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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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LAB CHRONICLE

OrderID:	Q3534	**OrderDate:**	11/4/2025 1:29:44 PM
Client:	Remington & Vernick Engineers	**Project:**	Edison Landfill
Contact:	Kyle Carlson	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3534-01	**MW-6**	**Water**			**11/03/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/07/25	
			SVOC-TCL BNA -20	8270E		11/06/25	11/06/25	
Q3534-01DL	**MW-6DL**	**Water**			**11/03/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/08/25	
Q3534-02	**MW-1**	**Water**			**11/03/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/07/25	
			SVOC-TCL BNA -20	8270E		11/06/25	11/06/25	
Q3534-02DL	**MW-1DL**	**Water**			**11/03/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/08/25	
Q3534-03	**MW-11**	**Water**			**11/03/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/07/25	
			SVOC-TCL BNA -20	8270E		11/06/25	11/06/25	
Q3534-03DL	**MW-11DL**	**Water**			**11/03/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/08/25	
Q3534-04	**MW-5**	**Water**			**11/04/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/07/25	
			SVOC-TCL BNA -20	8270E		11/06/25	11/06/25	
Q3534-05	**MW-EB-1**	**Water**			**11/03/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/07/25	
			SVOC-TCL BNA -20	8270E		11/06/25	11/06/25	
Q3534-05DL	**MW-EB-1DL**	**Water**			**11/03/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/10/25	
Q3534-06	**MW-EB-2**	**Water**			**11/04/25**			**11/04/25**

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LAB CHRONICLE

			SVOC-SIMGroup1	8270-Modified		11/06/25	11/07/25	
			SVOC-TCL BNA -20	8270E		11/06/25	11/06/25	
Q3534-07	**MW-EB-3**	**Water**			**11/03/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/07/25	
			SVOC-TCL BNA -20	8270E		11/06/25	11/06/25	
Q3534-09	**FB-1**	**Water**			**11/04/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/07/25	
			SVOC-TCL BNA -20	8270E		11/06/25	11/06/25	
Q3534-10	**EB-1**	**Water**			**11/04/25**			**11/04/25**
			SVOC-SIMGroup1	8270-Modified		11/06/25	11/08/25	
			SVOC-TCL BNA -20	8270E		11/06/25	11/06/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3534

Client: Remington & Vernick Engineers

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**MW-6**								
Q3534-01	MW-6	WATER	n-Nitrosodiphenylamine		11.900		0.61	5.3	ug/L
Q3534-01	MW-6	WATER	1,4-Dioxane		17.100		1.1	5.3	ug/L
			Total Svoc :		**29.00**				
Q3534-01	MW-6	WATER	2(3H)-Benzothiazolone	*	34.100	J	0	0	ug/L
Q3534-01	MW-6	WATER	4,7-Methano-5H-inden-5-one, 3,3	*	32.400	J	0	0	ug/L
Q3534-01	MW-6	WATER	Benzenesulfonamide, N-ethyl-4-m	*	8.900	J	0	0	ug/L
Q3534-01	MW-6	WATER	Benzoic acid, p-tert-butyl-	*	12.300	J	0	0	ug/L
Q3534-01	MW-6	WATER	Cyclohexanamine, N-cyclohexyl-	*	13.800	J	0	0	ug/L
Q3534-01	MW-6	WATER	Ethanol, 2-butoxy-, phosphate (3:	*	9.300	J	0	0	ug/L
Q3534-01	MW-6	WATER	Phenazine	*	9.600	J	0	0	ug/L
Q3534-01	MW-6	WATER	Phenol, 4,4-(1-methylethylidene)b	*	22.800	J	0	0	ug/L
Q3534-01	MW-6	WATER	Phenol, p-tert-butyl-	*	50.100	J	0	0	ug/L
Q3534-01	MW-6	WATER	Triethyl phosphate	*	5.700	J	0	0	ug/L
			Total Tics :		**199.00**				
			Total Concentration:		**228.00**				
Client ID :	**MW-1**								
Q3534-02	MW-1	WATER	1,4-Dioxane		75.500		1.1	5.3	ug/L
			Total Svoc :		**75.50**				
Q3534-02	MW-1	WATER	Benzophenone	*	5.200	J	0	0	ug/L
			Total Tics :		**5.20**				
			Total Concentration:		**80.70**				
Client ID :	**MW-11**								
Q3534-03	MW-11	WATER	1,4-Dioxane		5.900		1	5.1	ug/L
			Total Svoc :		**5.90**				
			Total Concentration:		**5.90**				
Client ID :	**MW-5**								
Q3534-04	MW-5	WATER	Bis(2-ethylhexyl)phthalate		3.000	J	1.7	5.3	ug/L
Q3534-04	MW-5	WATER	1,4-Dioxane		3.900	J	1.1	5.3	ug/L
			Total Svoc :		**6.90**				
Q3534-04	MW-5	WATER	n-Hexadecanoic acid	*	4.500	J	0	0	ug/L
Q3534-04	MW-5	WATER	Phenol, 4,4-(1-methylethylidene)b	*	2.300	J	0	0	ug/L
Q3534-04	MW-5	WATER	Amobarbital	*	19.500	J	0	0	ug/L
Q3534-04	MW-5	WATER	Benzoic acid, p-tert-butyl-	*	3.800	J	0	0	ug/L
Q3534-04	MW-5	WATER	Benzophenone	*	4.600	J	0	0	ug/L
			Total Tics :		**34.70**				
			Total Concentration:		**41.60**				

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Hit Summary Sheet
SW-846

SDG No.: Q3534

Client: Remington & Vernick Engineers

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**MW-EB-1**								
Q3534-05	MW-EB-1	WATER	n-Nitrosodiphenylamine		3.900	J	0.6	5.2	ug/L
Q3534-05	MW-EB-1	WATER	1,4-Dioxane		7.500		1	5.2	ug/L
			Total Svoc :		**11.40**				
Q3534-05	MW-EB-1	WATER	Phenobarbital	*	11.300	J	0	0	ug/L
Q3534-05	MW-EB-1	WATER	Phenol, 4-(1,1-dimethylpropyl)-	*	120.000	J	0	0	ug/L
Q3534-05	MW-EB-1	WATER	Phenol, 4,4-(1-methylethylidene)b	*	11.100	J	0	0	ug/L
Q3534-05	MW-EB-1	WATER	Phenol, p-tert-butyl-	*	280.000	J	0	0	ug/L
Q3534-05	MW-EB-1	WATER	Triethylamine	*	9.800	J	0	0	ug/L
Q3534-05	MW-EB-1	WATER	2(3H)-Benzothiazolone	*	27.300	J	0	0	ug/L
Q3534-05	MW-EB-1	WATER	Indane	*	42.900	J	0	0	ug/L
			Total Tics :		**502.40**				
			Total Concentration:		**513.80**				
Client ID :	**MW-EB-2**								
Q3534-06	MW-EB-2	WATER	1,4-Dioxane		3.600	J	1	5.1	ug/L
			Total Svoc :		**3.60**				
Q3534-06	MW-EB-2	WATER	Amobarbital	*	15.800	J	0	0	ug/L
Q3534-06	MW-EB-2	WATER	Benzophenone	*	7.400	J	0	0	ug/L
Q3534-06	MW-EB-2	WATER	Hexanoic acid, 2-ethyl-	*	38.500	J	0	0	ug/L
Q3534-06	MW-EB-2	WATER	n-Hexadecanoic acid	*	7.300	J	0	0	ug/L
Q3534-06	MW-EB-2	WATER	Phenobarbital	*	3.100	J	0	0	ug/L
Q3534-06	MW-EB-2	WATER	Phenol, 2-(1,1,3,3-tetramethylbuty	*	3.500	J	0	0	ug/L
Q3534-06	MW-EB-2	WATER	Tributyl phosphate	*	3.200	J	0	0	ug/L
Q3534-06	MW-EB-2	WATER	Benzoic acid	*	6.100	J	4.3	10.2	ug/L
			Total Tics :		**84.90**				
			Total Concentration:		**88.50**				
Client ID :	**MW-EB-3**								
Q3534-07	MW-EB-3	WATER	n-Nitrosodiphenylamine		2.200	J	0.6	5.2	ug/L
			Total Svoc :		**2.20**				
Q3534-07	MW-EB-3	WATER	Benzophenone	*	4.200	J	0	0	ug/L
Q3534-07	MW-EB-3	WATER	n-Hexadecanoic acid	*	4.600	J	0	0	ug/L
Q3534-07	MW-EB-3	WATER	Phenol, 4,4-(1-methylethylidene)b	*	4.300	J	0	0	ug/L
			Total Tics :		**13.10**				
			Total Concentration:		**15.30**				
Client ID :	**FB-1**								
Q3534-09	FB-1	WATER	Bis(2-ethylhexyl)phthalate		2.900	J	1.6	5	ug/L
			Total Svoc :		**2.90**				
Q3534-09	FB-1	WATER	1H-Benzotriazole, 4-methyl-	*	8.000	J	0	0	ug/L
Q3534-09	FB-1	WATER	Hexadecanoic acid, methyl ester	*	4.400	J	0	0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q3534

Client: Remington & Vernick Engineers

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Q3534-09	FB-1	WATER	Hexanoic acid, 2-ethyl-	*	89.500	J	0	0	ug/L
Q3534-09	FB-1	WATER	Methyl stearate	*	2.000	J	0	0	ug/L
Q3534-09	FB-1	WATER	n-Hexadecanoic acid	*	3.900	J	0	0	ug/L
Q3534-09	FB-1	WATER	Octadecanoic acid	*	2.300	J	0	0	ug/L
Q3534-09	FB-1	WATER	trans-13-Octadecenoic acid	*	7.200	J	0	0	ug/L
Q3534-09	FB-1	WATER	Benzoic acid	*	6.700	J	4.2	10	ug/L
			Total Tics :		**124.00**				
			Total Concentration:		**126.90**				

Client ID : EB-1

Q3534-10	EB-1	WATER	Bis(2-ethylhexyl)phthalate		2.800	J	1.6	5	ug/L
			Total Svoc :		**2.80**				
Q3534-10	EB-1	WATER	Benzidine	*	41.500	J	4.3	10	ug/L
			Total Tics :		**41.50**				
			Total Concentration:		**44.30**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3534

Client: Remington & Vernick Engineers

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170424BL	PB170424BL	2-Fluorophenol	150	138	92		15 (23)	110 (138)
		Phenol-d6	150	133	89		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.5	94		30 (67)	130 (132)
		2-Fluorobiphenyl	100	83.6	84		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	169	113	*	15 (44)	110 (137)
		Terphenyl-d14	100	89.5	90		30 (42)	130 (152)
PB170424BS	PB170424BS	2-Fluorophenol	150	132	88		15 (23)	110 (138)
		Phenol-d6	150	133	89		15 (10)	110 (134)
		Nitrobenzene-d5	100	85.8	86		30 (67)	130 (132)
		2-Fluorobiphenyl	100	77.1	77		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	157	105		15 (44)	110 (137)
		Terphenyl-d14	100	83.6	84		30 (42)	130 (152)
PB170424BSD	PB170424BSD	2-Fluorophenol	150	132	88		15 (23)	110 (138)
		Phenol-d6	150	134	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	86.1	86		30 (67)	130 (132)
		2-Fluorobiphenyl	100	76.6	77		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	155	103		15 (44)	110 (137)
		Terphenyl-d14	100	85.0	85		30 (42)	130 (152)
Q3534-01	MW-6	2-Fluorophenol	150	69.3	46		15 (23)	110 (138)
		Phenol-d6	150	44.1	29		15 (10)	110 (134)
		Nitrobenzene-d5	100	114	114		30 (67)	130 (132)
		2-Fluorobiphenyl	100	94.1	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	189	126	*	15 (44)	110 (137)
		Terphenyl-d14	100	91.5	92		30 (42)	130 (152)
Q3534-02	MW-1	2-Fluorophenol	150	78.6	52		15 (23)	110 (138)
		Phenol-d6	150	58.5	39		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.3	93		30 (67)	130 (132)
		2-Fluorobiphenyl	100	87.1	87		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	89		15 (44)	110 (137)
		Terphenyl-d14	100	75.7	76		30 (42)	130 (152)
Q3534-03	MW-11	2-Fluorophenol	150	77.8	52		15 (23)	110 (138)
		Phenol-d6	150	54.4	36		15 (10)	110 (134)
		Nitrobenzene-d5	100	103	103		30 (67)	130 (132)
		2-Fluorobiphenyl	100	86.9	87		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	188	125	*	15 (44)	110 (137)
		Terphenyl-d14	100	84.2	84		30 (42)	130 (152)
Q3534-04	MW-5	2-Fluorophenol	150	75.0	50		15 (23)	110 (138)
		Phenol-d6	150	48.2	32		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (67)	130 (132)
		2-Fluorobiphenyl	100	85.7	86		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	174	116	*	15 (44)	110 (137)
		Terphenyl-d14	100	91.4	91		30 (42)	130 (152)
Q3534-05	MW-EB-1	2-Fluorophenol	150	72.1	48		15 (23)	110 (138)
		Phenol-d6	150	48.7	32		15 (10)	110 (134)
		Nitrobenzene-d5	100	88.9	89		30 (67)	130 (132)
		2-Fluorobiphenyl	100	86.4	86		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	120	80		15 (44)	110 (137)
		Terphenyl-d14	100	66.2	66		30 (42)	130 (152)
Q3534-06	MW-EB-2	2-Fluorophenol	150	64.1	43		15 (23)	110 (138)
		Phenol-d6	150	42.4	28		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.9	91		30 (67)	130 (132)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: Q3534

Client: Remington & Vernick Engineers

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3534-06	MW-EB-2	2-Fluorobiphenyl	100	79.0	79		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	159	106		15 (44)	110 (137)
		Terphenyl-d14	100	79.5	79		30 (42)	130 (152)
Q3534-07	MW-EB-3	2-Fluorophenol	150	61.0	41		15 (23)	110 (138)
		Phenol-d6	150	41.5	28		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.2	96		30 (67)	130 (132)
		2-Fluorobiphenyl	100	82.1	82		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	169	113	*	15 (44)	110 (137)
		Terphenyl-d14	100	85.1	85		30 (42)	130 (152)
Q3534-09	FB-1	2-Fluorophenol	75	36.4	49		15 (23)	110 (138)
		Phenol-d6	75	23.9	32		15 (10)	110 (134)
		Nitrobenzene-d5	50	45.2	90		30 (67)	130 (132)
		2-Fluorobiphenyl	50	39.0	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	75	80.9	108		15 (44)	110 (137)
		Terphenyl-d14	50	43.1	86		30 (42)	130 (152)
Q3534-10	EB-1	2-Fluorophenol	75	42.8	57		15 (23)	110 (138)
		Phenol-d6	75	25.7	34		15 (10)	110 (134)
		Nitrobenzene-d5	50	49.6	99		30 (67)	130 (132)
		2-Fluorobiphenyl	50	42.9	86		30 (52)	130 (132)
		2,4,6-Tribromophenol	75	81.6	109		15 (44)	110 (137)
		Terphenyl-d14	50	46.5	93		30 (42)	130 (152)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3534 **Analytical Method:** 8270E

Client: Remington & Vernick Engineers **DataFile:** BP026078.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170424BS	Benzaldehyde	50	32.3	ug/L	65				20 (10)	160 (162)	
	Phenol	50	46.6	ug/L	93				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	41.7	ug/L	83				70 (62)	130 (103)	
	2-Chlorophenol	50	47.9	ug/L	96				70 (70)	130 (117)	
	2-Methylphenol	50	48.1	ug/L	96				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	38.4	ug/L	77				70 (65)	130 (100)	
	Acetophenone	50	47.6	ug/L	95				70 (60)	130 (104)	
	3+4-Methylphenols	50	47.9	ug/L	96				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	44.5	ug/L	89				70 (57)	130 (107)	
	Hexachloroethane	50	43.4	ug/L	87				20 (76)	160 (118)	
	Nitrobenzene	50	44.6	ug/L	89				70 (58)	130 (106)	
	Isophorone	50	44.2	ug/L	88				70 (61)	130 (102)	
	2-Nitrophenol	50	59.5	ug/L	119				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	52.0	ug/L	104				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	43.4	ug/L	87				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	50.0	ug/L	100				70 (66)	130 (115)	
	Naphthalene	50	41.9	ug/L	84				70 (64)	130 (107)	
	4-Chloroaniline	50	29.8	ug/L	60		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	42.1	ug/L	84				70 (69)	130 (101)	
	Caprolactam	50	54.1	ug/L	108				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	52.4	ug/L	105				70 (65)	130 (114)	
	2-Methylnaphthalene	50	39.6	ug/L	79				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	120	ug/L	120				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	51.4	ug/L	103				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	50.4	ug/L	101				70 (70)	130 (106)	
	1,1-Biphenyl	50	46.8	ug/L	94				70 (72)	130 (98)	
	2-Chloronaphthalene	50	41.3	ug/L	83				70 (59)	130 (106)	
	2-Nitroaniline	50	49.0	ug/L	98				70 (73)	130 (114)	
	Dimethylphthalate	50	46.9	ug/L	94				70 (64)	130 (103)	
	Acenaphthylene	50	50.0	ug/L	100				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	53.2	ug/L	106				70 (64)	130 (110)	
	3-Nitroaniline	50	38.2	ug/L	76				70 (28)	130 (100)	
	Acenaphthene	50	40.5	ug/L	81				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	110	ug/L	110				20 (36)	160 (166)	
	4-Nitrophenol	100	110	ug/L	110				20 (45)	160 (147)	
	Dibenzofuran	50	43.9	ug/L	88				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	53.2	ug/L	106				70 (60)	130 (115)	
	Diethylphthalate	50	47.7	ug/L	95				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	44.2	ug/L	88				70 (61)	130 (104)	
	Fluorene	50	45.1	ug/L	90				70 (64)	130 (107)	
	4-Nitroaniline	50	53.1	ug/L	106				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	57.8	ug/L	116				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	43.7	ug/L	87				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	43.3	ug/L	87				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3534 **Analytical Method:** 8270E

Client: Remington & Vernick Engineers **DataFile:** BP026078.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170424BS	Hexachlorobenzene	50	44.3	ug/L	89				70 (73)	130 (106)	
	Atrazine	50	50.8	ug/L	102				70 (76)	130 (120)	
	Pentachlorophenol	100	120	ug/L	120				20 (47)	160 (114)	
	Phenanthrene	50	43.1	ug/L	86				70 (62)	130 (109)	
	Anthracene	50	44.3	ug/L	89				70 (65)	130 (110)	
	Carbazole	50	45.9	ug/L	92				70 (62)	130 (106)	
	Di-n-butylphthalate	50	49.2	ug/L	98				70 (64)	130 (106)	
	Fluoranthene	50	46.3	ug/L	93				70 (64)	130 (110)	
	Pyrene	50	43.7	ug/L	87				70 (71)	130 (103)	
	Butylbenzylphthalate	50	52.6	ug/L	105				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	39.4	ug/L	79				70 (43)	130 (108)	
	Benzo(a)anthracene	50	44.1	ug/L	88				70 (62)	130 (107)	
	Chrysene	50	42.8	ug/L	86				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	48.9	ug/L	98				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	58.0	ug/L	116				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	47.0	ug/L	94				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	45.4	ug/L	91				70 (77)	130 (105)	
	Benzo(a)pyrene	50	48.9	ug/L	98				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	47.5	ug/L	95				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	48.3	ug/L	97				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	49.0	ug/L	98				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	44.7	ug/L	89				70 (72)	130 (101)	
	1,4-Dioxane	50	33.5	ug/L	67				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	57.8	ug/L	116				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3534 **Analytical Method:** 8270E

Client: Remington & Vernick Engineers **DataFile:** BP026079.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170424BSD	Benzaldehyde	50	32.9	ug/L	66	2			20 (10)	160 (162)	20 (20)
	Phenol	50	47.0	ug/L	94	1			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	41.7	ug/L	83	0			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	48.7	ug/L	97	2			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	49.2	ug/L	98	2			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	39.3	ug/L	79	2			70 (65)	130 (100)	20 (20)
	Acetophenone	50	47.3	ug/L	95	1			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	49.0	ug/L	98	2			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	45.4	ug/L	91	2			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	43.7	ug/L	87	1			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	44.5	ug/L	89	0			70 (58)	130 (106)	20 (20)
	Isophorone	50	43.9	ug/L	88	1			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	60.8	ug/L	122	2			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	51.8	ug/L	104	0			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	43.5	ug/L	87	0			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	50.6	ug/L	101	1			70 (66)	130 (115)	20 (20)
	Naphthalene	50	41.9	ug/L	84	0			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	29.5	ug/L	59	1	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	42.0	ug/L	84	0			70 (69)	130 (101)	20 (20)
	Caprolactam	50	53.5	ug/L	107	1			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	52.7	ug/L	105	1			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	39.9	ug/L	80	1			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	120	ug/L	120	0			20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	52.0	ug/L	104	1			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	51.3	ug/L	103	2			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	46.7	ug/L	93	0			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	41.1	ug/L	82	0			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	49.7	ug/L	99	1			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	47.1	ug/L	94	0			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	48.6	ug/L	97	3			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	53.9	ug/L	108	1			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	38.7	ug/L	77	1			70 (28)	130 (100)	20 (20)
	Acenaphthene	50	40.9	ug/L	82	1			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	110	ug/L	110	0			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	100	ug/L	100	10			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	43.6	ug/L	87	1			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	52.4	ug/L	105	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	47.6	ug/L	95	0			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	43.7	ug/L	87	1			70 (61)	130 (104)	20 (20)
	Fluorene	50	44.1	ug/L	88	2			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	51.9	ug/L	104	2			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	59.5	ug/L	119	3			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	43.9	ug/L	88	0			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	44.1	ug/L	88	2			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3534 **Analytical Method:** 8270E

Client: Remington & Vernick Engineers **DataFile:** BP026079.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170424BSD	Hexachlorobenzene	50	44.4	ug/L	89	0			70 (73)	130 (106)	20 (20)
	Atrazine	50	50.4	ug/L	101	1			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	120	ug/L	120	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	42.3	ug/L	85	2			70 (62)	130 (109)	20 (20)
	Anthracene	50	44.3	ug/L	89	0			70 (65)	130 (110)	20 (20)
	Carbazole	50	44.5	ug/L	89	3			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	49.1	ug/L	98	0			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	44.8	ug/L	90	3			70 (64)	130 (110)	20 (20)
	Pyrene	50	45.2	ug/L	90	3			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	53.9	ug/L	108	2			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	39.9	ug/L	80	1			70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	43.5	ug/L	87	1			70 (62)	130 (107)	20 (20)
	Chrysene	50	43.8	ug/L	88	2			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	50.1	ug/L	100	2			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	59.3	ug/L	119	2			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	47.1	ug/L	94	0			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	45.2	ug/L	90	0			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	48.2	ug/L	96	1			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	47.1	ug/L	94	1			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	48.0	ug/L	96	1			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	49.0	ug/L	98	0			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	45.4	ug/L	91	2			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	32.9	ug/L	66	2			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	57.8	ug/L	116	0			70 (63)	130 (116)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170424BL

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3534

Lab File ID: BP026077.D

Lab Sample ID: PB170424BL

Instrument ID: BNA_P

Date Extracted: 11/06/2025

Matrix: (soil/water) Water

Date Analyzed: 11/06/2025

Level: (low/med) LOW

Time Analyzed: 14:13

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170424BS	PB170424BS	BP026078.D	11/06/2025
PB170424BSD	PB170424BSD	BP026079.D	11/06/2025
FB-1	Q3534-09	BP026080.D	11/06/2025
EB-1	Q3534-10	BP026081.D	11/06/2025
MW-11	Q3534-03	BP026082.D	11/06/2025
MW-5	Q3534-04	BP026083.D	11/06/2025
MW-EB-2	Q3534-06	BP026084.D	11/06/2025
MW-1	Q3534-02	BF144191.D	11/06/2025
MW-EB-1	Q3534-05	BF144192.D	11/06/2025
MW-EB-3	Q3534-07	BG064706.D	11/06/2025
MW-6	Q3534-01	BG064711.D	11/06/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3534

Lab File ID: BF144168.D DFTPP Injection Date: 11/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0% of mass 69	0.1 (0.6) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	15.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF144169.D	11/05/2025	12:50
SSTDICC005	SSTDICC005	BF144170.D	11/05/2025	13:20
SSTDICC010	SSTDICC010	BF144171.D	11/05/2025	13:50
SSTDICC020	SSTDICC020	BF144172.D	11/05/2025	14:20
SSTDICCC040	SSTDICCC040	BF144173.D	11/05/2025	14:50
SSTDICC050	SSTDICC050	BF144174.D	11/05/2025	15:49
SSTDICC060	SSTDICC060	BF144175.D	11/05/2025	16:19
SSTDICC080	SSTDICC080	BF144176.D	11/05/2025	16:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3534

Lab File ID: BF144179.D DFTPP Injection Date: 11/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.4) 1
69	Mass 69 relative abundance	23.2
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144180.D	11/06/2025	11:13
MW-1	Q3534-02	BF144191.D	11/06/2025	16:54
MW-EB-1	Q3534-05	BF144192.D	11/06/2025	17:24

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3534

Lab File ID: BG064568.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	92.7
443	15.0 - 24.0% of mass 442	17.5 (18.9) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064569.D	10/24/2025	09:00
SSTDICC005	SSTDICC005	BG064570.D	10/24/2025	09:41
SSTDICC010	SSTDICC010	BG064571.D	10/24/2025	11:02
SSTDICC020	SSTDICC020	BG064572.D	10/24/2025	12:23
SSTDICCC040	SSTDICCC040	BG064573.D	10/24/2025	13:03
SSTDICC060	SSTDICC060	BG064574.D	10/24/2025	13:44
SSTDICC080	SSTDICC080	BG064575.D	10/24/2025	14:24
SSTDICC050	SSTDICC050	BG064576.D	10/24/2025	15:32

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3534

Lab File ID: BG064698.D | DFTPP Injection Date: 11/06/2025

Instrument ID: BNA_G | DFTPP Injection Time: 11:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	29
70	Less than 2.0% of mass 69	0.1 (0.3) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69 | 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064699.D	11/06/2025	12:13
MW-EB-3	Q3534-07	BG064706.D	11/06/2025	17:09
MW-6	Q3534-01	BG064711.D	11/06/2025	20:33

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3534

Lab File ID: BP026027.D DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	32.9
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	75
443	15.0 - 24.0% of mass 442	14.4 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP026028.D	10/29/2025	09:26
SSTDICC005	SSTDICC005	BP026029.D	10/29/2025	10:07
SSTDICC010	SSTDICC010	BP026030.D	10/29/2025	10:48
SSTDICC020	SSTDICC020	BP026031.D	10/29/2025	11:29
SSTDICCC040	SSTDICCC040	BP026032.D	10/29/2025	12:10
SSTDICC050	SSTDICC050	BP026033.D	10/29/2025	12:51
SSTDICC060	SSTDICC060	BP026034.D	10/29/2025	13:32
SSTDICC080	SSTDICC080	BP026035.D	10/29/2025	14:13

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3534

Lab File ID: BP026075.D DFTPP Injection Date: 11/06/2025

Instrument ID: BNA_P DFTPP Injection Time: 12:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	31.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.9
442	Greater than 50% of mass 198	84.8
443	15.0 - 24.0% of mass 442	16.4 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP026076.D	11/06/2025	13:25
PB170424BL	PB170424BL	BP026077.D	11/06/2025	14:13
PB170424BS	PB170424BS	BP026078.D	11/06/2025	14:54
PB170424BSD	PB170424BSD	BP026079.D	11/06/2025	15:35
FB-1	Q3534-09	BP026080.D	11/06/2025	17:04
EB-1	Q3534-10	BP026081.D	11/06/2025	17:45
MW-11	Q3534-03	BP026082.D	11/06/2025	18:26
MW-5	Q3534-04	BP026083.D	11/06/2025	19:07
MW-EB-2	Q3534-06	BP026084.D	11/06/2025	19:48

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3534

Client ID : SSTDCCC040 Date Analyzed: 11/06/2025

Lab File ID: BF144180.D Time Analyzed: 11:13

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	77162	6.875	299960	8.16	175155	9.92
	UPPER LIMIT	154324	7.375	599920	8.657	350310	10.416
	LOWER LIMIT	38581	6.375	149980	7.657	87577.5	9.416
	EPA SAMPLE NO.						
01	MW-1	63903	6.88	245141	8.16	136285	9.91
02	MW-EB-1	62761	6.88	229494	8.16	120957	9.91

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3534

Client ID: SSTDCCC040

Date Analyzed: 11/06/2025

Lab File ID: BF144180.D

Time Analyzed: 11:13

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	301670	11.404	184652	14.057	216041	15.539
	UPPER LIMIT	603340	11.904	369304	14.557	432082	16.039
	LOWER LIMIT	150835	10.904	92326	13.557	108021	15.039
	EPA SAMPLE NO.						
01	MW-1	213036	11.40	155402	14.05	207385	15.53
02	MW-EB-1	183106	11.40	157153	14.05	214152	15.54

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3534

Client ID : SSTDCCC040 Date Analyzed: 11/06/2025

Lab File ID: BG064699.D Time Analyzed: 12:13

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	39621	8.206	163730	11.03	142094	14.82
	UPPER LIMIT	79242	8.706	327460	11.526	284188	15.322
	LOWER LIMIT	19810.5	7.706	81865	10.526	71047	14.322
	EPA SAMPLE NO.						
01	MW-6	30988	8.20	121821	11.02	100117	14.82
02	MW-EB-3	33315	8.20	133129	11.02	109224	14.82

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3534

Client ID: SSTDCCC040

Date Analyzed: 11/06/2025

Lab File ID: BG064699.D

Time Analyzed: 12:13

Instrument ID: BNA_G

GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	344911	17.56	295235	21.831	328268	25.157
	UPPER LIMIT	689822	18.06	590470	22.331	656536	25.657
	LOWER LIMIT	172456	17.06	147618	21.331	164134	24.657
	EPA SAMPLE NO.						
01	MW-6	237813	17.56	285660	21.83	321269	25.15
02	MW-EB-3	255947	17.56	309555	21.83	340594	25.16

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3534

Client ID : SSTDCCC040 Date Analyzed: 11/06/2025

Lab File ID: BP026076.D Time Analyzed: 13:25

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	311598	7.684	1312780	10.45	873597	14.33
	UPPER LIMIT	623196	8.184	2625560	10.954	1747190	14.825
	LOWER LIMIT	155799	7.184	656390	9.954	436799	13.825
	EPA SAMPLE NO.						
01	PB170424BL	281412	7.66	1090240	10.44	699934	14.31
02	PB170424BS	267481	7.68	1101030	10.45	743151	14.32
03	PB170424BSD	300293	7.68	1260020	10.45	853804	14.33
04	MW-11	246596	7.68	961848	10.45	600974	14.32
05	MW-5	318473	7.68	1283460	10.45	829933	14.32
06	MW-EB-2	311269	7.68	1204040	10.45	734309	14.32
07	FB-1	311794	7.68	1217060	10.44	769070	14.31
08	EB-1	277359	7.68	1074840	10.45	656338	14.32

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3534

Client ID: SSTDCCC040 Date Analyzed: 11/06/2025

Lab File ID: BP026076.D Time Analyzed: 13:25

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1797850	17.142	1874910	21.583	2126000	24.918
	UPPER LIMIT	3595700	17.642	3749820	22.083	4252000	25.418
	LOWER LIMIT	898925	16.642	937455	21.083	1063000	24.418
	EPA SAMPLE NO.						
01	PB170424BL	1528540	17.14	1747810	21.59	1979390	24.94
02	PB170424BS	1605700	17.14	1768370	21.59	1900240	24.92
03	PB170424BSD	1821990	17.13	1872000	21.57	1998600	24.90
04	MW-11	1364170	17.13	1768110	21.58	2046410	24.91
05	MW-5	1657810	17.14	1728940	21.58	2004700	24.90
06	MW-EB-2	1476010	17.13	1673940	21.57	1952860	24.90
07	FB-1	1563790	17.12	1705420	21.57	2009790	24.89
08	EB-1	1338850	17.13	1519420	21.57	1841620	24.90

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **BG064711.D**

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-6	SDG No.:	Q3534
Lab Sample ID:	Q3534-01	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	950 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	4.10	U	1	4.10	10.5	ug/L	11/06/25 20:33	PB170424
108-95-2	Phenol	0.96	U	1	0.96	5.30	ug/L	11/06/25 20:33	PB170424
111-44-4	bis(2-Chloroethyl)ether	0.85	U	1	0.85	5.30	ug/L	11/06/25 20:33	PB170424
95-57-8	2-Chlorophenol	0.61	U	1	0.61	5.30	ug/L	11/06/25 20:33	PB170424
95-48-7	2-Methylphenol	1.20	U	1	1.20	5.30	ug/L	11/06/25 20:33	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.30	ug/L	11/06/25 20:33	PB170424
98-86-2	Acetophenone	0.78	U	1	0.78	5.30	ug/L	11/06/25 20:33	PB170424
65794-96-9	3+4-Methylphenols	1.20	U	1	1.20	10.5	ug/L	11/06/25 20:33	PB170424
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1	1.50	2.60	ug/L	11/06/25 20:33	PB170424
67-72-1	Hexachloroethane	0.68	U	1	0.68	5.30	ug/L	11/06/25 20:33	PB170424
98-95-3	Nitrobenzene	0.80	U	1	0.80	5.30	ug/L	11/06/25 20:33	PB170424
78-59-1	Isophorone	0.79	U	1	0.79	5.30	ug/L	11/06/25 20:33	PB170424
88-75-5	2-Nitrophenol	1.90	U	1	1.90	5.30	ug/L	11/06/25 20:33	PB170424
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.30	ug/L	11/06/25 20:33	PB170424
111-91-1	bis(2-Chloroethoxy)methane	0.72	U	1	0.72	5.30	ug/L	11/06/25 20:33	PB170424
120-83-2	2,4-Dichlorophenol	0.55	U	1	0.55	5.30	ug/L	11/06/25 20:33	PB170424
91-20-3	Naphthalene	0.53	U	1	0.53	5.30	ug/L	11/06/25 20:33	PB170424
106-47-8	4-Chloroaniline	0.88	UQ	1	0.88	5.30	ug/L	11/06/25 20:33	PB170424
87-68-3	Hexachlorobutadiene	0.57	U	1	0.57	5.30	ug/L	11/06/25 20:33	PB170424
105-60-2	Caprolactam	1.20	U	1	1.20	10.5	ug/L	11/06/25 20:33	PB170424
59-50-7	4-Chloro-3-methylphenol	0.62	U	1	0.62	5.30	ug/L	11/06/25 20:33	PB170424
91-57-6	2-Methylnaphthalene	0.59	U	1	0.59	5.30	ug/L	11/06/25 20:33	PB170424
77-47-4	Hexachlorocyclopentadiene	3.80	U	1	3.80	10.5	ug/L	11/06/25 20:33	PB170424
88-06-2	2,4,6-Trichlorophenol	0.54	U	1	0.54	5.30	ug/L	11/06/25 20:33	PB170424
95-95-4	2,4,5-Trichlorophenol	0.65	U	1	0.65	5.30	ug/L	11/06/25 20:33	PB170424
92-52-4	1,1-Biphenyl	0.56	U	1	0.56	5.30	ug/L	11/06/25 20:33	PB170424
91-58-7	2-Chloronaphthalene	0.64	U	1	0.64	5.30	ug/L	11/06/25 20:33	PB170424
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.30	ug/L	11/06/25 20:33	PB170424
131-11-3	Dimethylphthalate	0.64	U	1	0.64	5.30	ug/L	11/06/25 20:33	PB170424
208-96-8	Acenaphthylene	0.79	U	1	0.79	5.30	ug/L	11/06/25 20:33	PB170424
606-20-2	2,6-Dinitrotoluene	0.97	U	1	0.97	5.30	ug/L	11/06/25 20:33	PB170424
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.30	ug/L	11/06/25 20:33	PB170424
83-32-9	Acenaphthene	0.58	U	1	0.58	5.30	ug/L	11/06/25 20:33	PB170424
51-28-5	2,4-Dinitrophenol	6.30	U	1	6.30	10.5	ug/L	11/06/25 20:33	PB170424
100-02-7	4-Nitrophenol	2.50	U	1	2.50	10.5	ug/L	11/06/25 20:33	PB170424
132-64-9	Dibenzofuran	0.64	U	1	0.64	5.30	ug/L	11/06/25 20:33	PB170424
121-14-2	2,4-Dinitrotoluene	1.30	U	1	1.30	5.30	ug/L	11/06/25 20:33	PB170424
84-66-2	Diethylphthalate	0.73	U	1	0.73	5.30	ug/L	11/06/25 20:33	PB170424
7005-72-3	4-Chlorophenyl-phenylether	0.72	U	1	0.72	5.30	ug/L	11/06/25 20:33	PB170424
86-73-7	Fluorene	0.66	U	1	0.66	5.30	ug/L	11/06/25 20:33	PB170424
100-01-6	4-Nitroaniline	1.60	U	1	1.60	5.30	ug/L	11/06/25 20:33	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	1	3.00	10.5	ug/L	11/06/25 20:33	PB170424

Raw Data: **BG064711.D**

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-6	SDG No.:	Q3534
Lab Sample ID:	Q3534-01	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	950 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	11.9		1	0.61	5.30	ug/L	11/06/25 20:33	PB170424
101-55-3	4-Bromophenyl-phenylether	0.42	U	1	0.42	5.30	ug/L	11/06/25 20:33	PB170424
118-74-1	Hexachlorobenzene	0.55	U	1	0.55	5.30	ug/L	11/06/25 20:33	PB170424
1912-24-9	Atrazine	1.10	U	1	1.10	5.30	ug/L	11/06/25 20:33	PB170424
87-86-5	Pentachlorophenol	1.70	U	1	1.70	10.5	ug/L	11/06/25 20:33	PB170424
85-01-8	Phenanthrene	0.53	U	1	0.53	5.30	ug/L	11/06/25 20:33	PB170424
120-12-7	Anthracene	0.64	U	1	0.64	5.30	ug/L	11/06/25 20:33	PB170424
86-74-8	Carbazole	0.76	U	1	0.76	5.30	ug/L	11/06/25 20:33	PB170424
84-74-2	Di-n-butylphthalate	1.30	U	1	1.30	5.30	ug/L	11/06/25 20:33	PB170424
206-44-0	Fluoranthene	0.86	U	1	0.86	5.30	ug/L	11/06/25 20:33	PB170424
129-00-0	Pyrene	0.53	U	1	0.53	5.30	ug/L	11/06/25 20:33	PB170424
85-68-7	Butylbenzylphthalate	2.00	U	1	2.00	5.30	ug/L	11/06/25 20:33	PB170424
91-94-1	3,3-Dichlorobenzidine	0.98	U	1	0.98	10.5	ug/L	11/06/25 20:33	PB170424
56-55-3	Benzo(a)anthracene	0.47	U	1	0.47	5.30	ug/L	11/06/25 20:33	PB170424
218-01-9	Chrysene	0.46	U	1	0.46	5.30	ug/L	11/06/25 20:33	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	1.70	U	1	1.70	5.30	ug/L	11/06/25 20:33	PB170424
117-84-0	Di-n-octyl phthalate	2.50	U	1	2.50	10.5	ug/L	11/06/25 20:33	PB170424
205-99-2	Benzo(b)fluoranthene	0.52	U	1	0.52	5.30	ug/L	11/06/25 20:33	PB170424
207-08-9	Benzo(k)fluoranthene	0.51	U	1	0.51	5.30	ug/L	11/06/25 20:33	PB170424
50-32-8	Benzo(a)pyrene	0.58	U	1	0.58	5.30	ug/L	11/06/25 20:33	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	0.62	U	1	0.62	5.30	ug/L	11/06/25 20:33	PB170424
53-70-3	Dibenzo(a,h)anthracene	0.71	U	1	0.71	5.30	ug/L	11/06/25 20:33	PB170424
191-24-2	Benzo(g,h,i)perylene	0.73	U	1	0.73	5.30	ug/L	11/06/25 20:33	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	0.55	U	1	0.55	5.30	ug/L	11/06/25 20:33	PB170424
123-91-1	1,4-Dioxane	17.1		1	1.10	5.30	ug/L	11/06/25 20:33	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	0.76	U	1	0.76	5.30	ug/L	11/06/25 20:33	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	69.3			15 (23) - 110 (138)	46%	SPK: 150		
13127-88-3	Phenol-d6	44.1			15 (10) - 110 (134)	29%	SPK: 150		
4165-60-0	Nitrobenzene-d5	114			30 (67) - 130 (132)	114%	SPK: 100		
321-60-8	2-Fluorobiphenyl	94.1			30 (52) - 130 (132)	94%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	189	*		15 (44) - 110 (137)	126%	SPK: 150		
1718-51-0	Terphenyl-d14	91.5			30 (42) - 130 (152)	92%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	31000							
1146-65-2	Naphthalene-d8	122000							
15067-26-2	Acenaphthene-d10	100000							
1517-22-2	Phenanthrene-d10	238000							
1719-03-5	Chrysene-d12	286000							
1520-96-3	Perylene-d12	321000							
TENTATIVE IDENTIFIED COMPOUNDS									
000078-40-0	Triethyl phosphate	5.70	J			9.65	ug/L		
000098-54-4	Phenol, p-tert-butyl-	50.1	J			12.3	ug/L		

Raw Data: **BG064711.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-6	SDG No.:	Q3534
Lab Sample ID:	Q3534-01	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	950 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
014888-58-5	4,7-Methano-5H-inden-5-one, 3,3a,4	32.4	J			12.4	ug/L		
000101-83-7	Cyclohexanamine, N-cyclohexyl-	13.8	J			14.3	ug/L		
000098-73-7	Benzoic acid, p-tert-butyl-	12.3	J			14.6	ug/L		
000934-34-9	2(3H)-Benzothiazolone	34.1	J			16.5	ug/L		
000080-39-7	Benzenesulfonamide, N-ethyl-4-meth	8.90	J			16.8	ug/L		
000092-82-0	Phenazine	9.60	J			17.2	ug/L		
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	22.8	J			20.0	ug/L		
000078-51-3	Ethanol, 2-butoxy-, phosphate (3:1	9.30	J			20.9	ug/L		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Quant Time: Nov 07 00:34:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.197	152	30988	20.000	ng	-0.03
21) Naphthalene-d8	11.023	136	121821	20.000	ng	#-0.03
39) Acenaphthene-d10	14.819	164	100117	20.000	ng	-0.03
64) Phenanthrene-d10	17.557	188	237813	20.000	ng	#-0.03
76) Chrysene-d12	21.828	240	285660	20.000	ng	#-0.03
86) Perylene-d12	25.148	264	321269	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.735	112	128027	69.347	ng	-0.01
7) Phenol-d6	7.339	99	111653	44.073	ng	-0.01
23) Nitrobenzene-d5	9.361	82	230500	113.646	ng	-0.03
42) 2,4,6-Tribromophenol	16.300	330	273023	188.945	ng	-0.02
45) 2-Fluorobiphenyl	13.450	172	621801	94.139	ng	-0.03
79) Terphenyl-d14	20.148	244	1385592	91.537	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.567	88	13278	16.245	ng	# 78
13) 1,4-Dichlorobenzene	8.232	146	7055	3.120	ng	94
66) n-Nitrosodiphenylamine	16.059	169	72525	11.290	ng	100

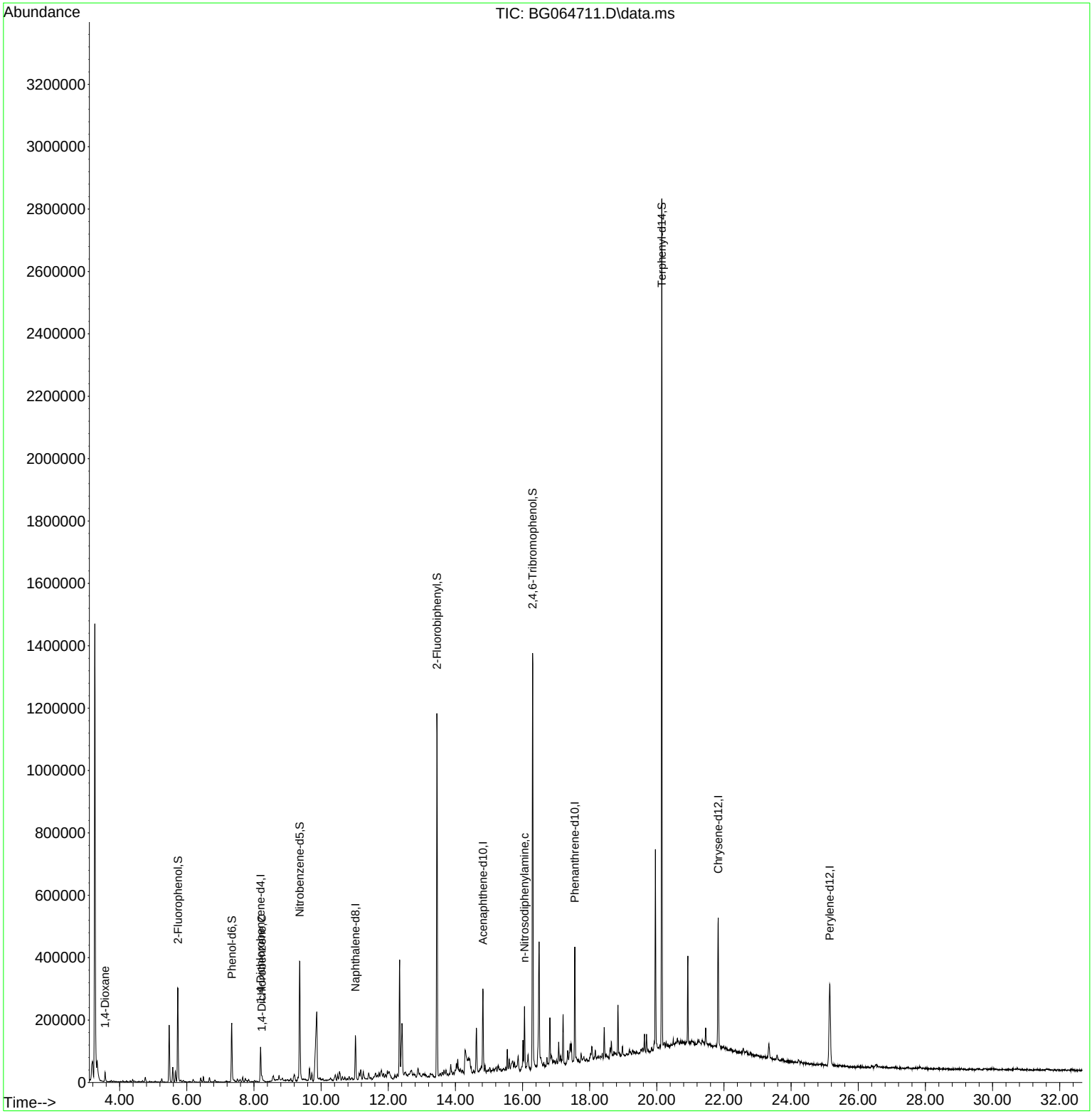
(#) = qualifier out of range (m) = manual integration (+) = signals summed

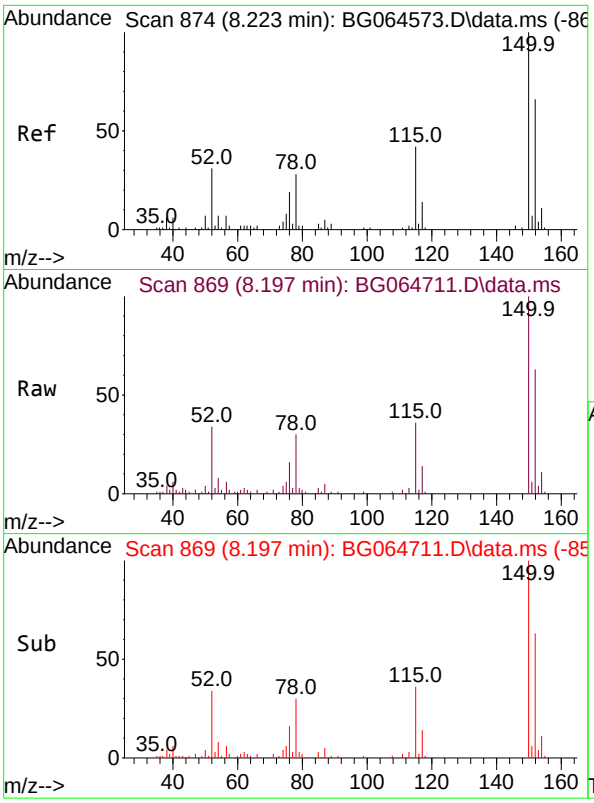
Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Quant Time: Nov 07 00:34:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration



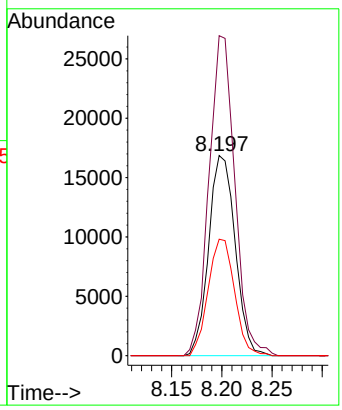


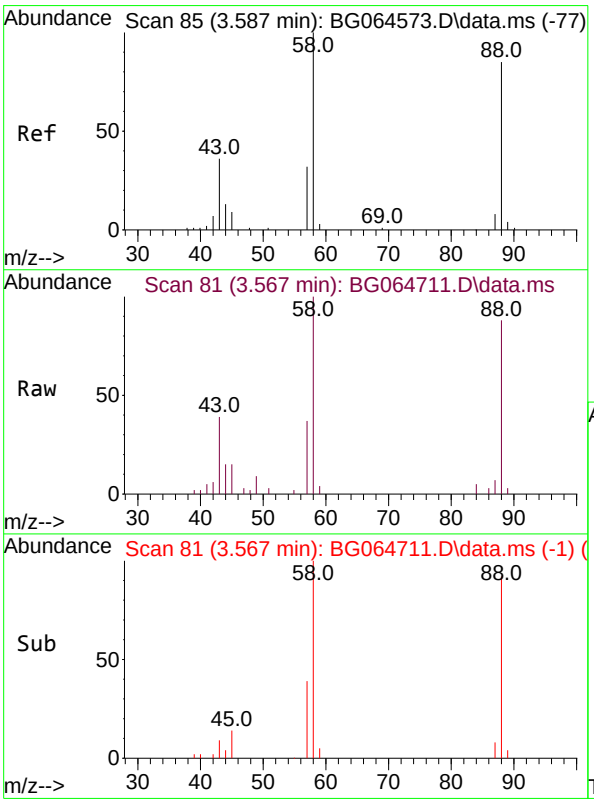
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.197 min Scan# 8
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Instrument :
BNA_G
ClientSampleId :
MW-6

Tgt Ion:152 Resp: 30988

Ion	Ratio	Lower	Upper
152	100		
150	160.0	122.2	183.4
115	58.2	50.8	76.2

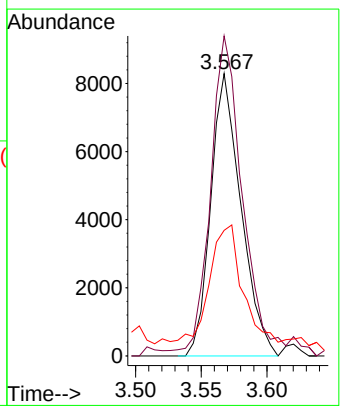


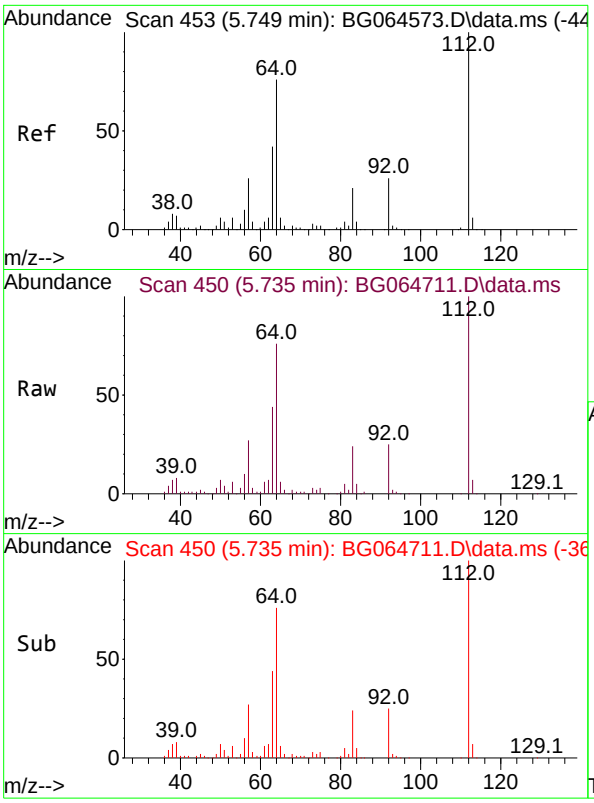


#2
1,4-Dioxane
Concen: 16.245 ng
RT: 3.567 min Scan# 81
Delta R.T. -0.020 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion: 88 Resp: 13278

Ion	Ratio	Lower	Upper
88	100		
58	123.0	92.4	138.6
43	0.0	33.0	49.6#



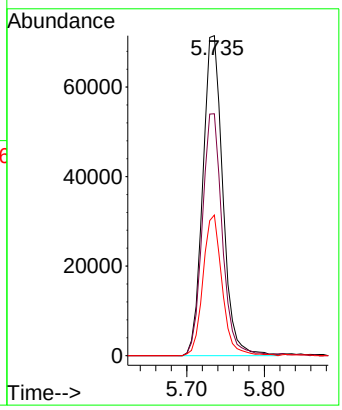


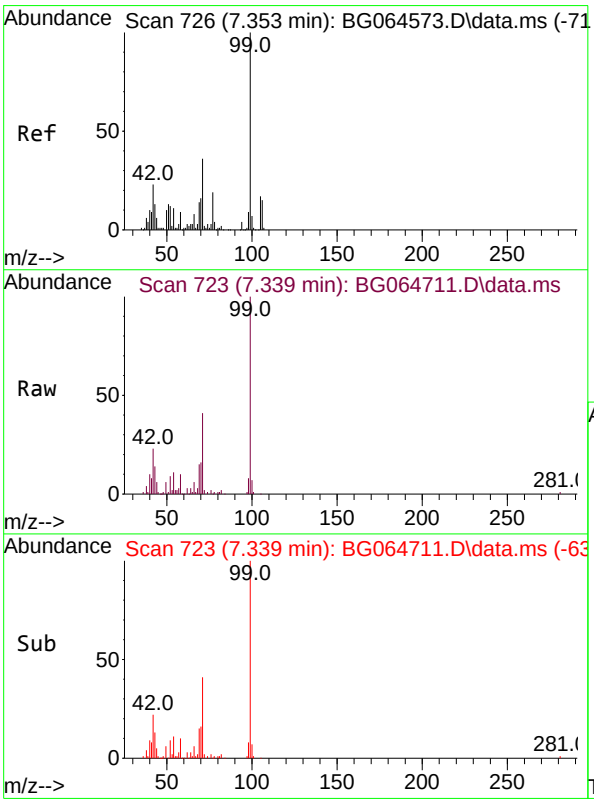
#5
2-Fluorophenol
Concen: 69.347 ng
RT: 5.735 min Scan# 4
Delta R.T. -0.014 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Instrument :
BNA_G
ClientSampleId :
MW-6

Tgt Ion:112 Resp: 128027

Ion	Ratio	Lower	Upper
112	100		
64	75.6	60.7	91.1
63	43.9	33.4	50.0

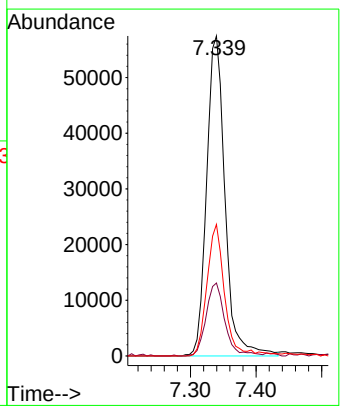


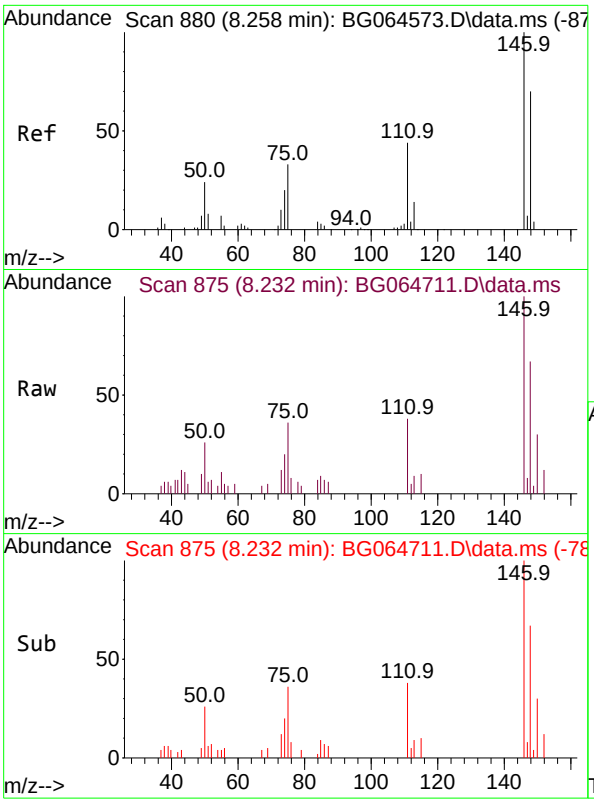


#7
Phenol-d6
Concen: 44.073 ng
RT: 7.339 min Scan# 723
Delta R.T. -0.014 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion: 99 Resp: 111653

Ion	Ratio	Lower	Upper
99	100		
42	22.8	18.3	27.5
71	41.1	28.6	43.0



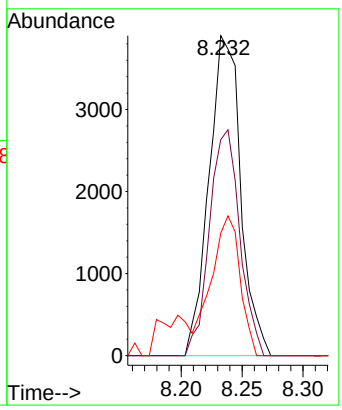


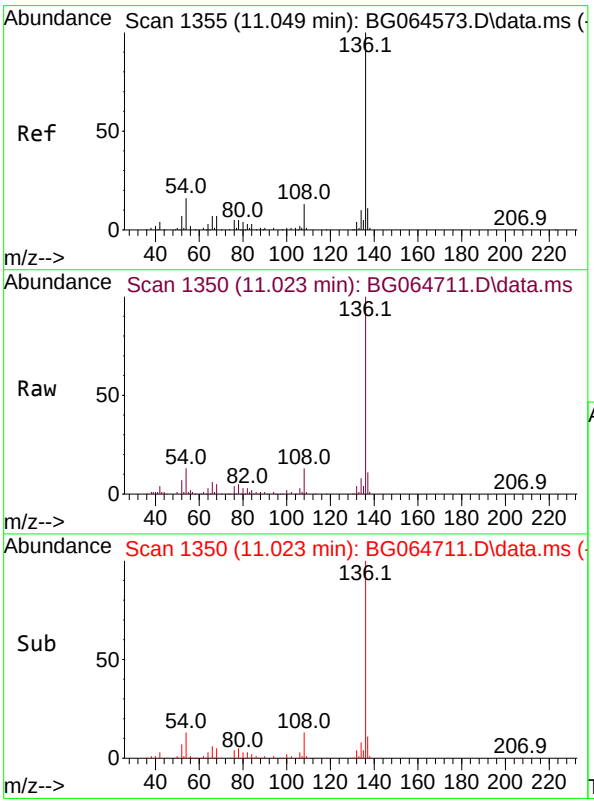
#13
1,4-Dichlorobenzene
Concen: 3.120 ng
RT: 8.232 min Scan# 8
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Instrument :
BNA_G
ClientSampleId :
MW-6

Tgt Ion:146 Resp: 7055

Ion	Ratio	Lower	Upper
146	100		
148	67.5	56.2	84.4
111	38.3	35.4	53.0

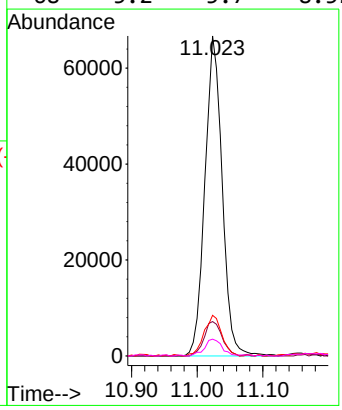


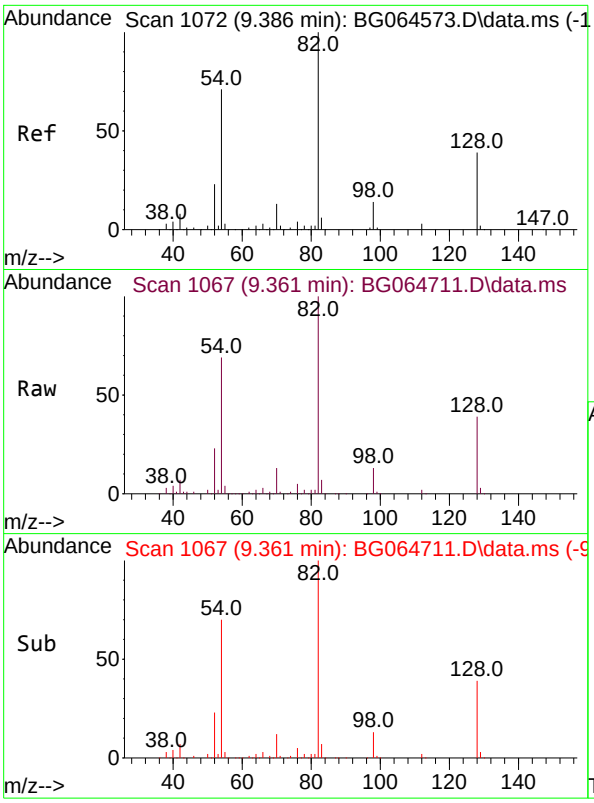


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.023 min Scan# 1350
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:136 Resp: 121821

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	12.7	12.6	19.0
68	5.2	5.7	8.5#



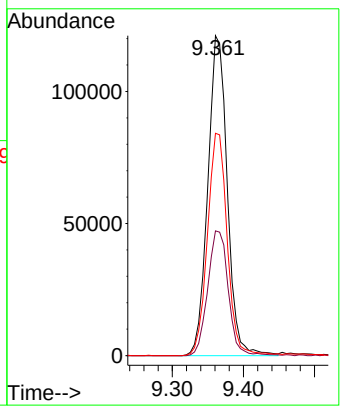


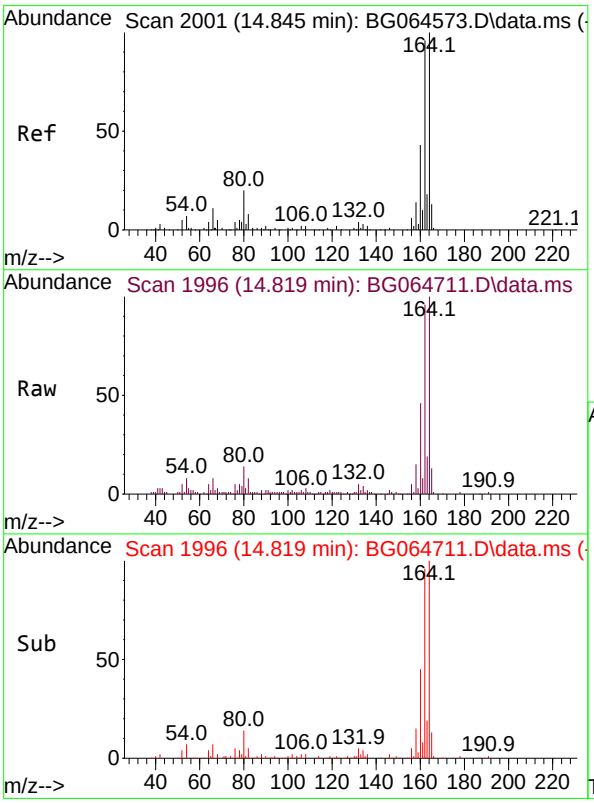
#23
Nitrobenzene-d5
Concen: 113.646 ng
RT: 9.361 min Scan# 1(
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Instrument :
BNA_G
ClientSampleId :
MW-6

Tgt Ion: 82 Resp: 230500

Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.3	46.9
54	69.5	56.6	84.8

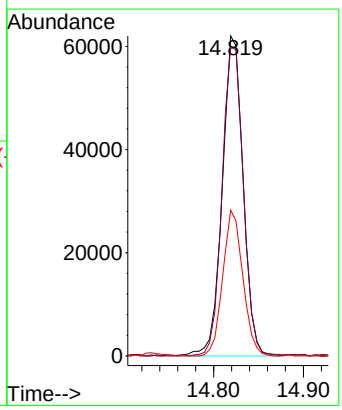


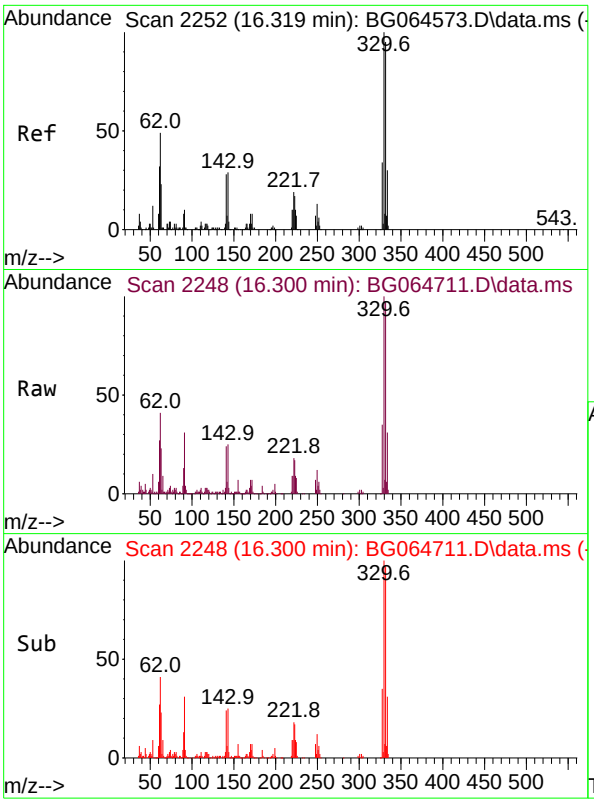


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.819 min Scan# 1996
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:164 Resp: 100117

Ion	Ratio	Lower	Upper
164	100		
162	96.4	77.0	115.6
160	45.5	34.4	51.6



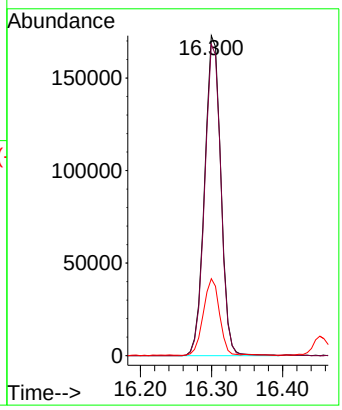


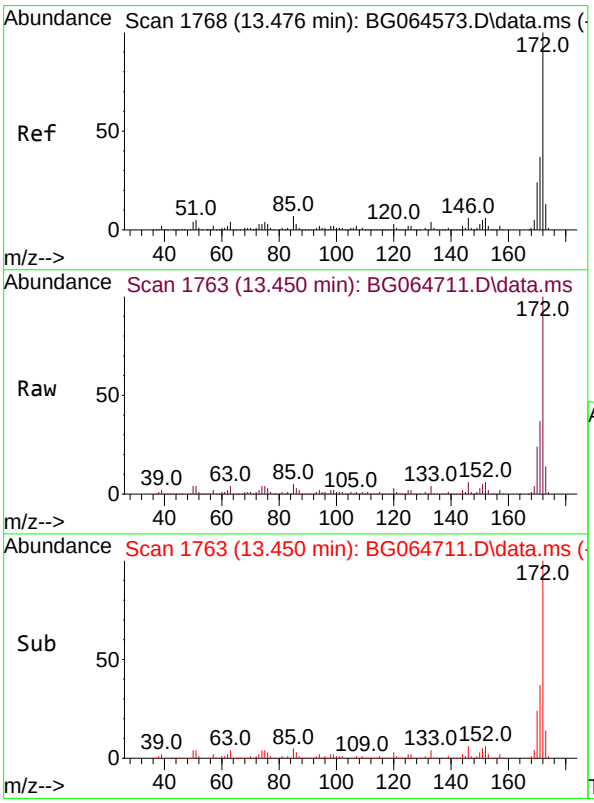
#42
2,4,6-Tribromophenol
Concen: 188.945 ng
RT: 16.300 min Scan# 2
Delta R.T. -0.020 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Instrument :
BNA_G
ClientSampleId :
MW-6

Tgt Ion:330 Resp: 273023

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.0	117.0
141	23.7	21.8	32.6

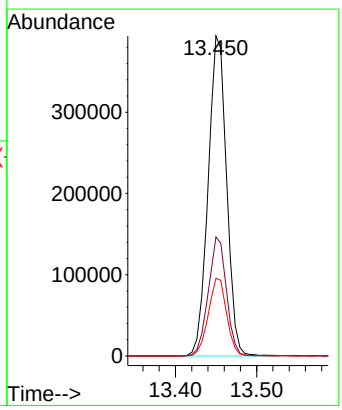


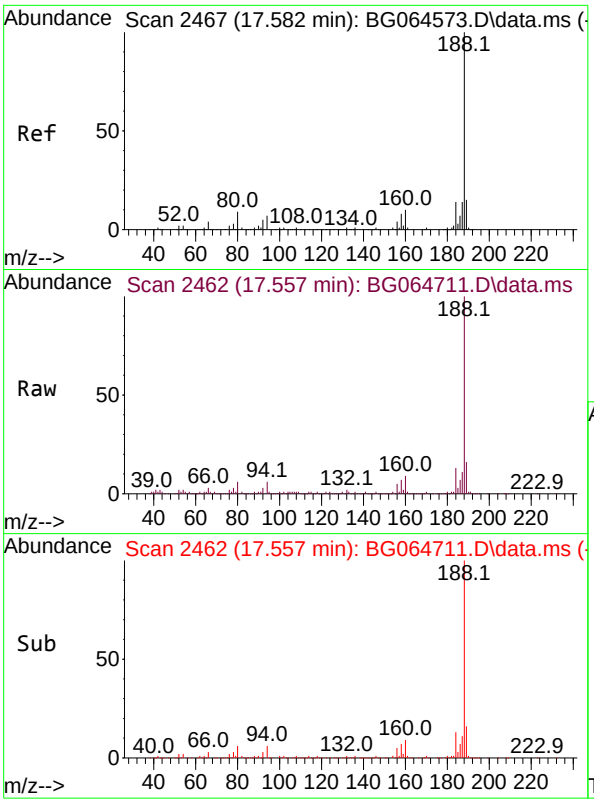


#45
2-Fluorobiphenyl
Concen: 94.139 ng
RT: 13.450 min Scan# 1763
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:172 Resp: 621801

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.0
170	24.2	19.1	28.7



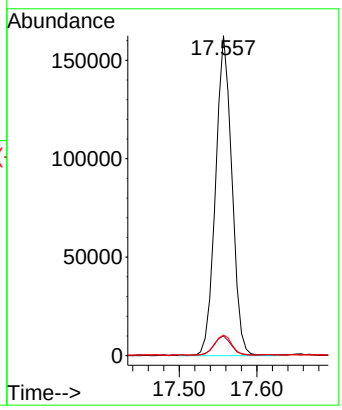


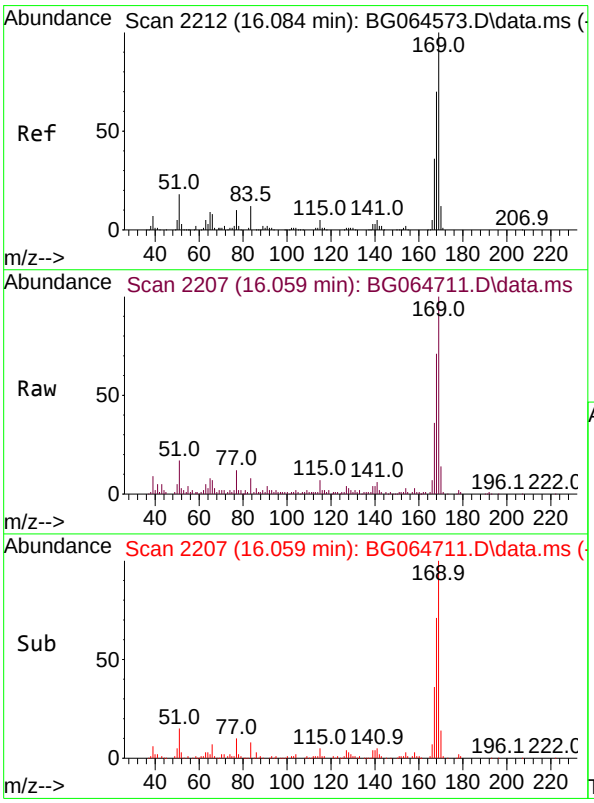
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 2
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Instrument :
BNA_G
ClientSampleId :
MW-6

Tgt Ion:188 Resp: 237813

Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.7	8.5
80	6.4	6.8	10.2#

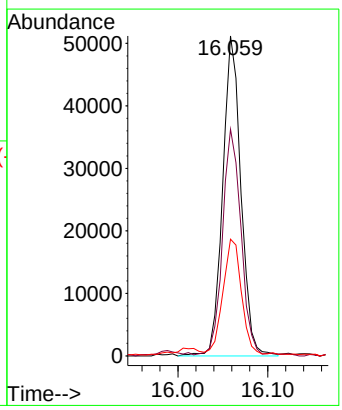


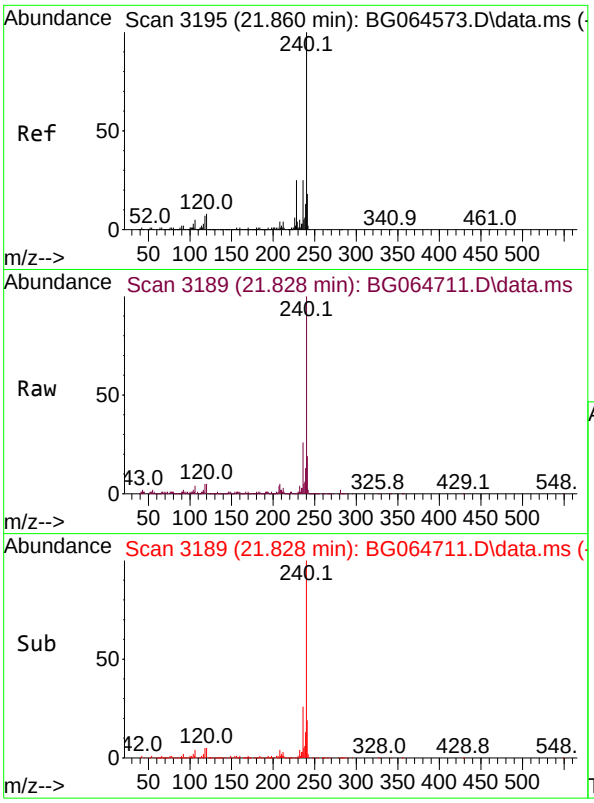


#66
n-Nitrosodiphenylamine
Concen: 11.290 ng
RT: 16.059 min Scan# 2207
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:169 Resp: 72525

Ion	Ratio	Lower	Upper
169	100		
168	70.8	56.3	84.5
167	36.5	29.0	43.6



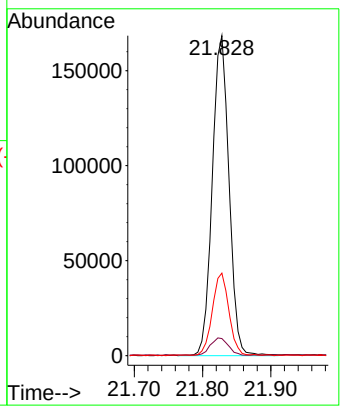


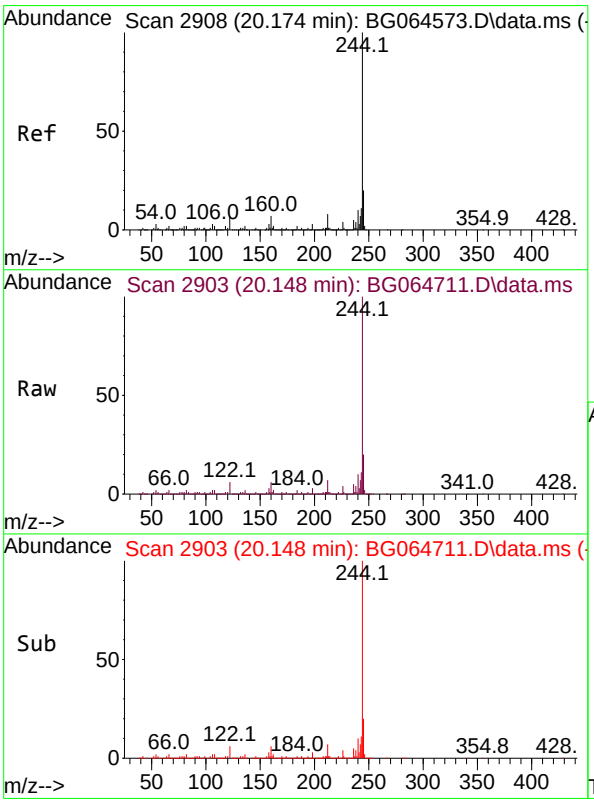
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.828 min Scan# 31
Delta R.T. -0.031 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Instrument :
BNA_G
ClientSampleId :
MW-6

Tgt Ion:240 Resp: 285660

Ion	Ratio	Lower	Upper
240	100		
120	5.3	6.5	9.7#
236	25.8	20.2	30.2

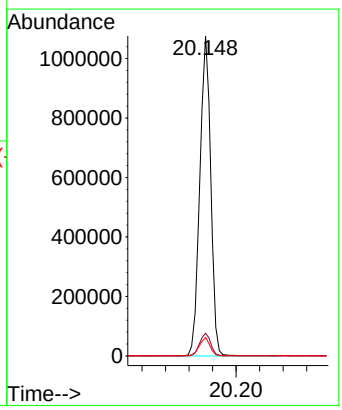


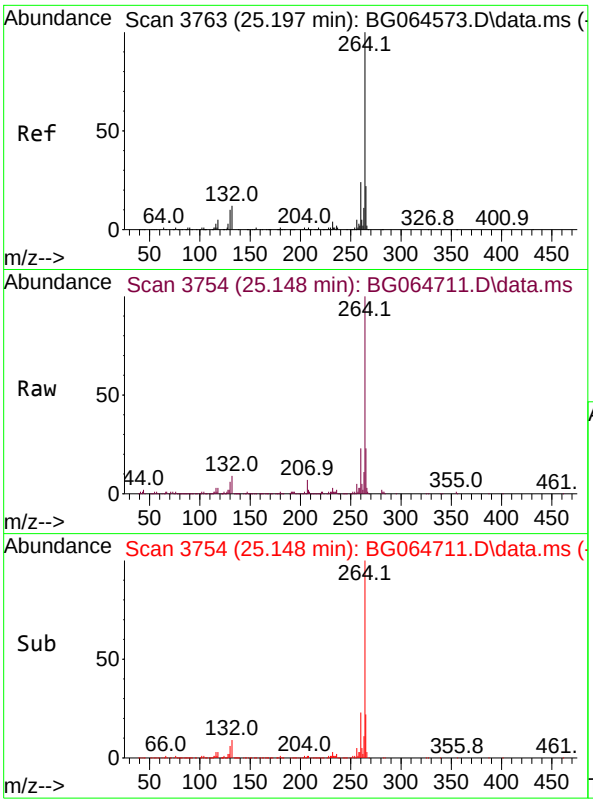


#79
Terphenyl-d14
Concen: 91.537 ng
RT: 20.148 min Scan# 2903
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:244 Resp: 1385592

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	5.8	5.6	8.4



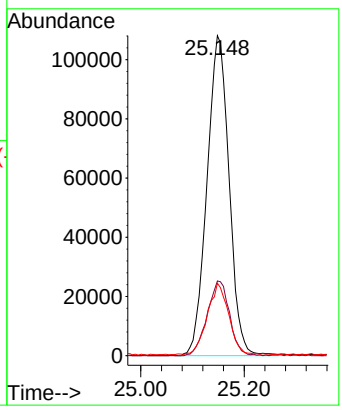


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.148 min Scan# 3
Delta R.T. -0.049 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Instrument :
BNA_G
ClientSampleId :
MW-6

Tgt Ion:264 Resp: 321269

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	22.6	17.6	26.4



Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064711.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.191	7	17	23	rBV4	59729	182200	5.26%	0.781%
2	3.262	23	29	38	rVV	1463767	2622964	75.66%	11.239%
3	3.332	38	41	58	rVB2	63403	160422	4.63%	0.687%
4	3.567	75	81	88	rBV	29939	48768	1.41%	0.209%
5	5.477	396	406	416	rBV	183320	315105	9.09%	1.350%
6	5.583	418	424	432	rBV	47969	79852	2.30%	0.342%
7	5.659	432	437	443	rBV	34938	61101	1.76%	0.262%
8	5.730	443	449	460	rVV	300008	522339	15.07%	2.238%
9	7.339	715	723	735	rBV	189175	373137	10.76%	1.599%
10	8.197	862	869	883	rBV2	111489	238694	6.88%	1.023%
11	9.202	1031	1040	1050	rBV6	22464	67260	1.94%	0.288%
12	9.361	1060	1067	1081	rVB	379376	732764	21.14%	3.140%
13	9.654	1111	1117	1124	rBV2	38322	71382	2.06%	0.306%
14	9.725	1124	1129	1136	rVB5	26523	53933	1.56%	0.231%
15	9.872	1136	1154	1160	rBV2	223232	769588	22.20%	3.297%
16	10.430	1238	1249	1255	rBV10	17631	50452	1.46%	0.216%
17	10.547	1264	1269	1277	rVB7	28262	71850	2.07%	0.308%
18	11.023	1343	1350	1360	rVB	141916	265958	7.67%	1.140%
19	11.135	1360	1369	1373	rBV6	20796	44119	1.27%	0.189%
20	11.182	1373	1377	1384	rVB4	30662	63603	1.83%	0.273%
21	11.258	1384	1390	1398	rBV5	24388	54394	1.57%	0.233%
22	11.417	1412	1417	1425	rBV5	20400	47011	1.36%	0.201%
23	11.799	1474	1482	1488	rBV10	19949	49173	1.42%	0.211%
24	12.339	1566	1574	1579	rBV	374203	632362	18.24%	2.709%
25	12.410	1579	1586	1596	rVB3	166722	409407	11.81%	1.754%
26	12.886	1659	1667	1673	rBV6	28862	76534	2.21%	0.328%
27	13.450	1756	1763	1771	rBV	1164209	1815142	52.36%	7.777%
28	13.661	1795	1799	1805	rVV6	17692	37576	1.08%	0.161%
29	13.861	1828	1833	1843	rVB8	33971	66956	1.93%	0.287%
30	14.073	1865	1869	1873	rVB	33808	44357	1.28%	0.190%
31	14.290	1901	1906	1916	rBV3	77247	294660	8.50%	1.263%
32	14.625	1957	1963	1973	rVB	141697	262850	7.58%	1.126%
33	14.819	1990	1996	2003	rVB	264423	448448	12.94%	1.921%
34	14.884	2004	2007	2013	rVB2	25090	35749	1.03%	0.153%
35	15.547	2115	2120	2124	rBV	67365	92906	2.68%	0.398%
36	15.606	2125	2130	2135	rVB4	31302	49876	1.44%	0.214%

Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.871	2170	2175	2182	rVB4	46107	93819	2.71%	0.402%
38	16.012	2195	2199	2203	rBV	85798	124628	3.59%	0.534%
39	16.059	2203	2207	2214	rVB	197416	285521	8.24%	1.223%
40	16.164	2218	2225	2233	rVB5	45428	106811	3.08%	0.458%
41	16.300	2241	2248	2262	rBV2	1330634	2232791	64.40%	9.567%
42	16.493	2270	2281	2287	rBV	400081	850948	24.54%	3.646%
43	16.728	2316	2321	2324	rBV5	29901	47330	1.37%	0.203%
44	16.817	2331	2336	2340	rBV	146580	220617	6.36%	0.945%
45	17.075	2376	2380	2385	rBV	67833	97589	2.81%	0.418%
46	17.210	2398	2403	2409	rVB	158346	238823	6.89%	1.023%
47	17.345	2422	2426	2431	rBV	35537	53355	1.54%	0.229%
48	17.416	2432	2438	2442	rVV3	57090	134812	3.89%	0.578%
49	17.451	2442	2444	2450	rVB	58989	81294	2.34%	0.348%
50	17.557	2457	2462	2467	rBV	361512	524728	15.14%	2.248%
51	18.062	2545	2548	2556	rVB3	41899	82686	2.39%	0.354%
52	18.168	2563	2566	2571	rVB6	27344	41532	1.20%	0.178%
53	18.432	2607	2611	2617	rBV2	95008	126740	3.66%	0.543%
54	18.609	2637	2641	2644	rBV5	34355	60066	1.73%	0.257%
55	18.644	2644	2647	2652	rVB2	47627	70826	2.04%	0.303%
56	18.844	2676	2681	2685	rBV	160727	217566	6.28%	0.932%
57	19.631	2811	2815	2822	rVB	58498	73689	2.13%	0.316%
58	19.696	2822	2826	2831	rBV2	57981	86535	2.50%	0.371%
59	19.960	2866	2871	2877	rVB	623929	812260	23.43%	3.480%
60	20.148	2897	2903	2909	rBV	2722110	3466898	100.00%	14.855%
61	20.924	3030	3035	3040	rVB	279564	332247	9.58%	1.424%
62	21.452	3123	3125	3132	rVB3	52821	70030	2.02%	0.300%
63	21.828	3183	3189	3202	rVB	419570	749005	21.60%	3.209%
64	23.338	3441	3446	3453	rVB7	46404	101049	2.91%	0.433%
65	25.148	3745	3754	3765	rVB	254466	741618	21.39%	3.178%

Sum of corrected areas: 23338705

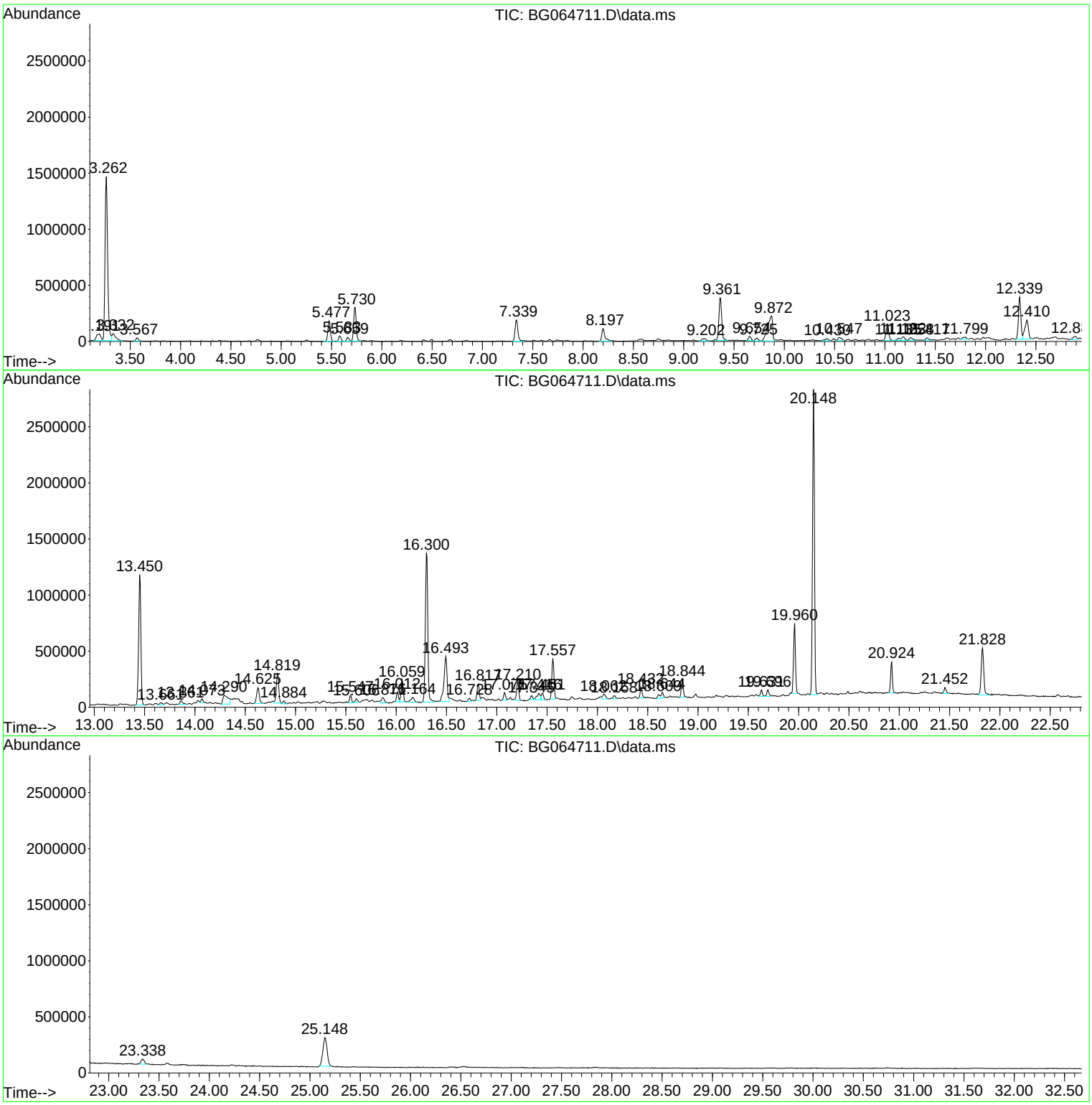
Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

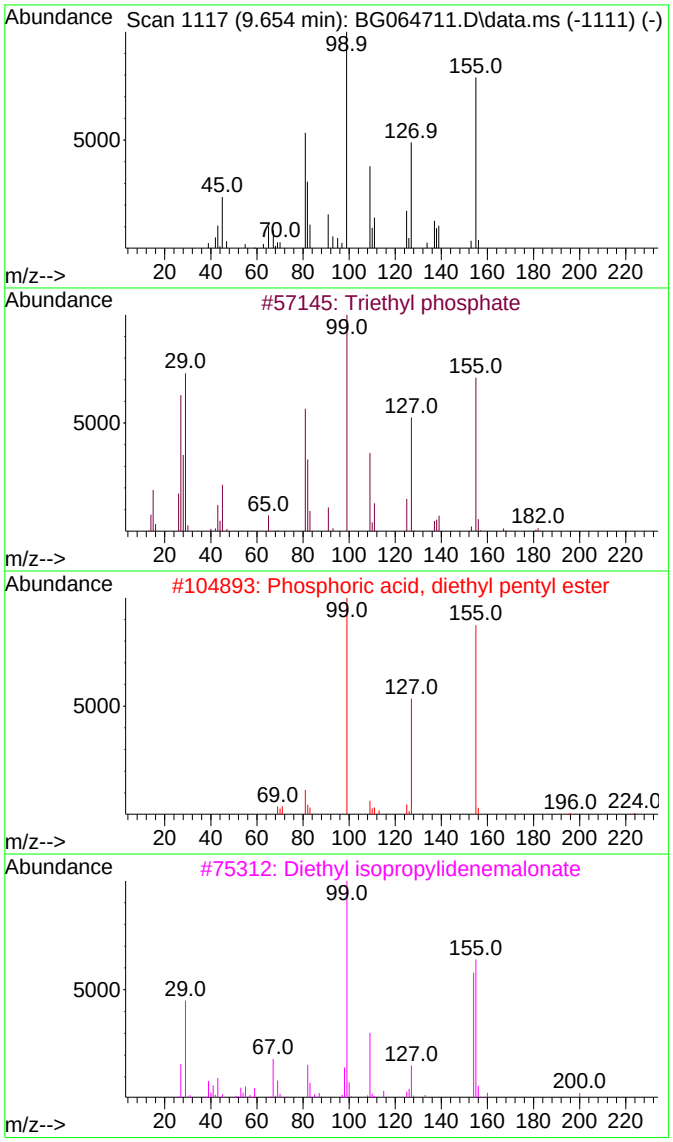
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

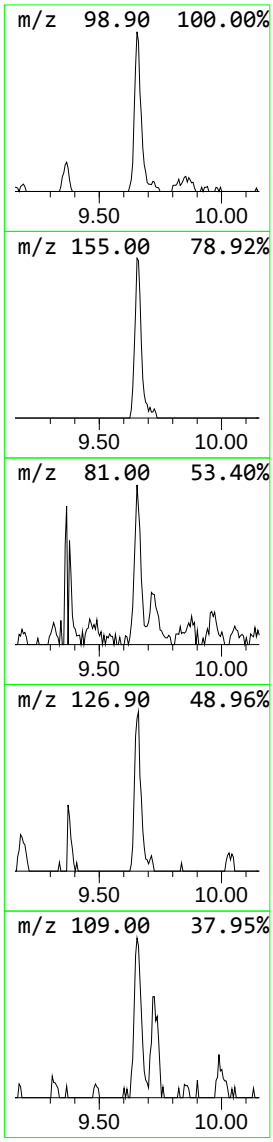
****

Peak Number 7 Triethyl phosphate Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.654	5.37 ng	71382	Naphthalene-d8	11.023

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethyl phosphate	182	C6H15O4P	000078-40-0	90
2	Phosphoric acid, diethyl pentyl ...	224	C9H21O4P	020195-08-8	64
3	Diethyl isopropylidenemalonate	200	C10H16O4	006802-75-1	36
4	2,2,4-Trimethyl-5-oxo-2,5-dihydr...	170	C8H10O4	094072-56-7	25
5	2,4-Diamino-5-nitropyrimidine	155	C4H5N5O2	018620-73-0	22





Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

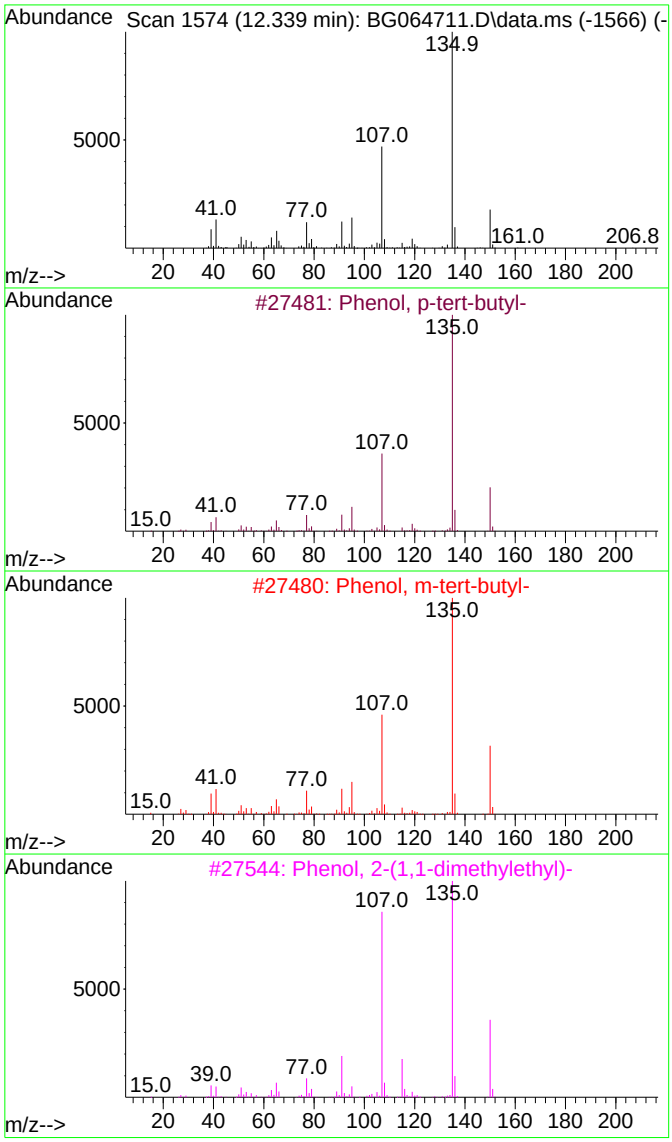
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

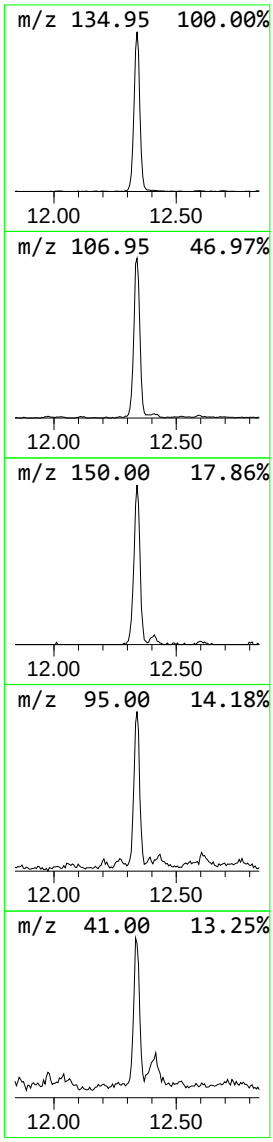
****

Peak Number 10 Phenol, p-tert-butyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	47.55 ng	632362	Naphthalene-d8	11.023

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	94
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	91
3	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	72
4	p-Anisic acid, 4-nitrophenyl ester	273	C14H11NO5	1000307-63-9	59
5	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	59





Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

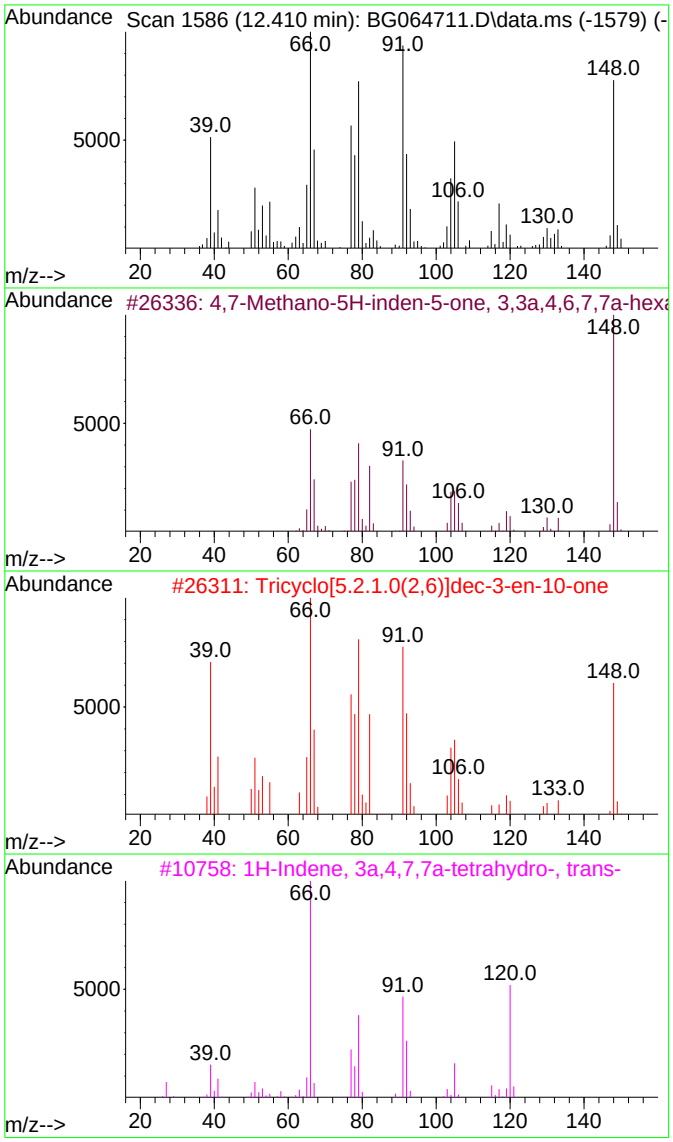
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

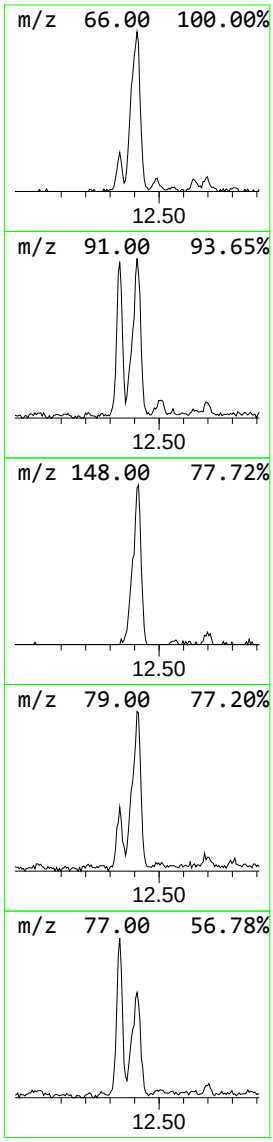
****

Peak Number 11 4,7-Methano-5H-inden-5-one,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	30.79 ng	409407	Naphthalene-d8	11.023

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,7-Methano-5H-inden-5-one, 3,3a...	148	C10H12O	014888-58-5	96
2	Tricyclo[5.2.1.0(2,6)]dec-3-en-1...	148	C10H12O	1000289-10-5	95
3	1H-Indene, 3a,4,7,7a-tetrahydro-...	120	C9H12	066563-20-0	53
4	2,5-Norbornadiene	92	C7H8	000121-46-0	50
5	6(5H)-Pteridinone	148	C6H4N4O	002432-26-0	49





Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

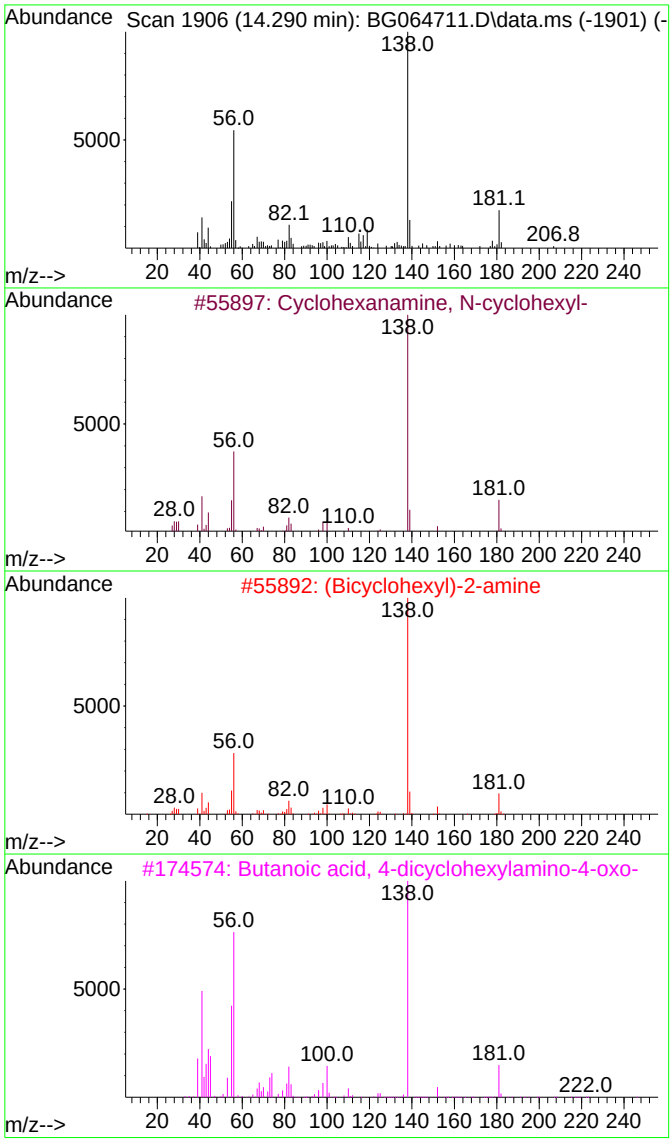
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

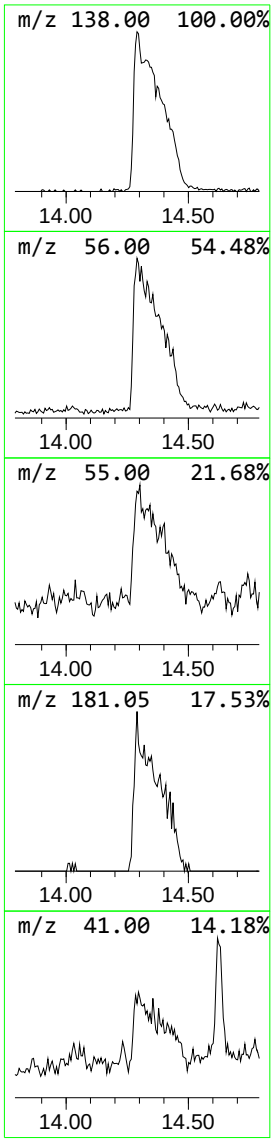
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclohexanamine, N-cyclohexyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.290	13.14 ng	294660	Acenaphthene-d10	14.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanamine, N-cyclohexyl-	181	C12H23N	000101-83-7	93
2	(Bicyclohexyl)-2-amine	181	C12H23N	006283-14-3	76
3	Butanoic acid, 4-dicyclohexylami...	281	C16H27NO3	328013-95-2	56
4	Pyrrolidine-1-acetonitrile, 2,5-...	138	C6H6N2O2	061516-81-2	45
5	3-(Decahydroisoquinolin-3-yl)-pr...	197	C12H23NO	1000194-40-6	43





Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

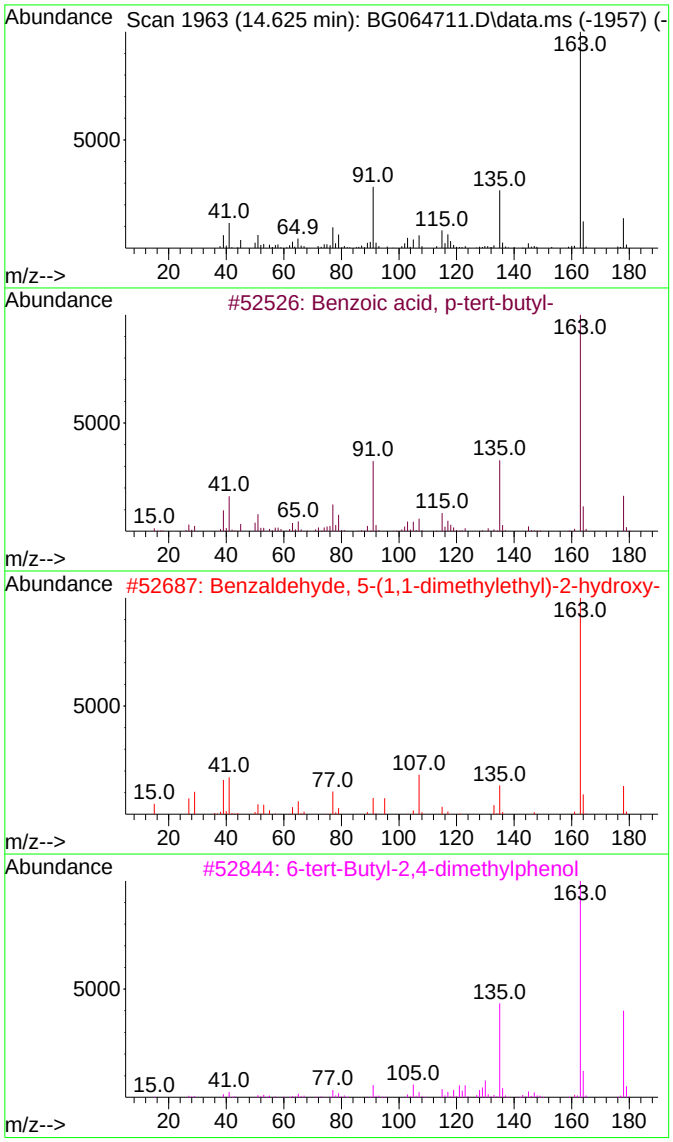
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

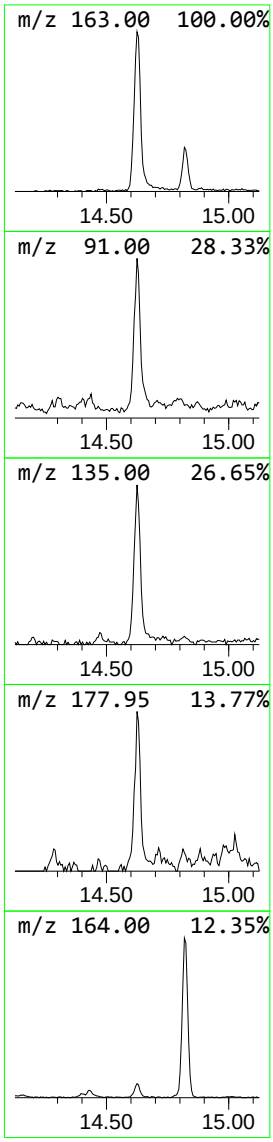
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzoic acid, p-tert-butyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.625	11.72 ng	262850	Acenaphthene-d10	14.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, p-tert-butyl-	178	C11H14O2	000098-73-7	93
2	Benzaldehyde, 5-(1,1-dimethyleth...	178	C11H14O2	002725-53-3	72
3	6-tert-Butyl-2,4-dimethylphenol	178	C12H18O	001879-09-0	72
4	3-tert-Butylbenzoic acid	178	C11H14O2	007498-54-6	60
5	4-tert-Butyl-2,6-dimethylphenol	178	C12H18O	000879-97-0	59





Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

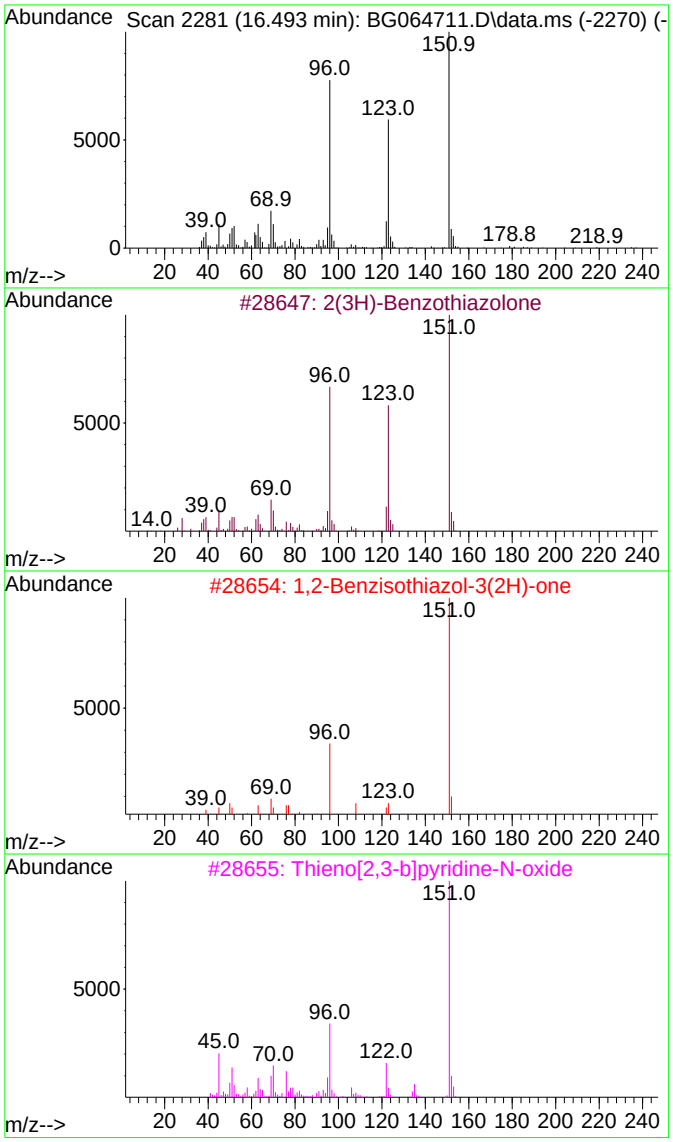
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

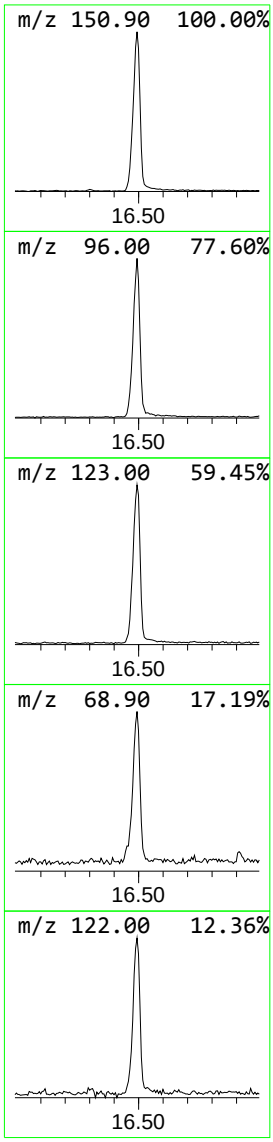
****

Peak Number 15 2(3H)-Benzothiazolone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.493	32.43 ng	850948	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Benzothiazolone	151	C7H5NOS	000934-34-9	96
2	1,2-Benzisothiazol-3(2H)-one	151	C7H5NOS	002634-33-5	59
3	Thieno[2,3-b]pyridine-N-oxide	151	C7H5NOS	025557-50-0	53
4	Thieno[3,2-b]pyridin-7-ol	151	C7H5NOS	107818-20-2	49
5	t-Butylhydroquinone	166	C10H14O2	001948-33-0	38





Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

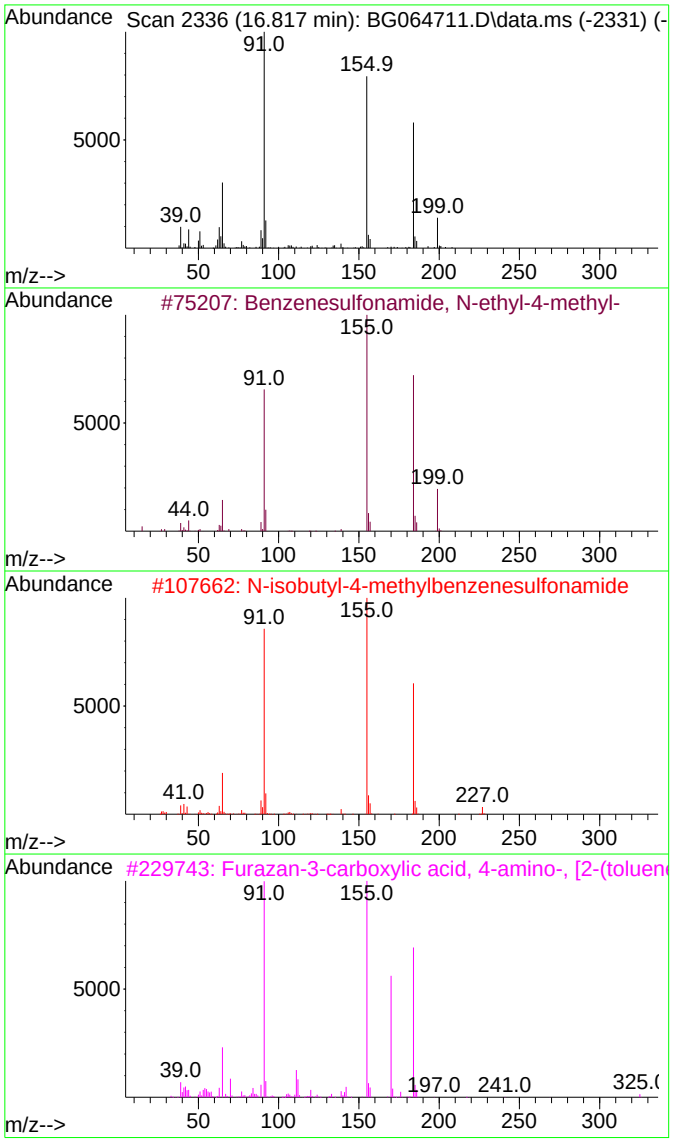
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

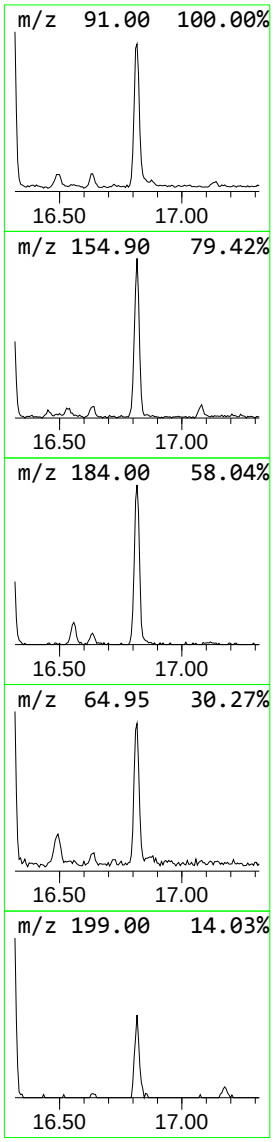
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzenesulfonamide, N-ethyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.817	8.41 ng	220617	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, N-ethyl-4-me...	199	C9H13NO2S	000080-39-7	94
2	N-isobutyl-4-methylbenzenesulfon...	227	C11H17NO2S	023705-38-6	90
3	Furazan-3-carboxylic acid, 4-ami...	325	C12H15N5O4S	1000304-69-4	83
4	benzenesulfonamide, 4-methyl-N-[...	369	C16H19NO5S2	1000402-61-7	78
5	4-Methyl-N-(2-oxobutyl)benzenesu...	241	C11H15NO3S	1000192-14-5	64





Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

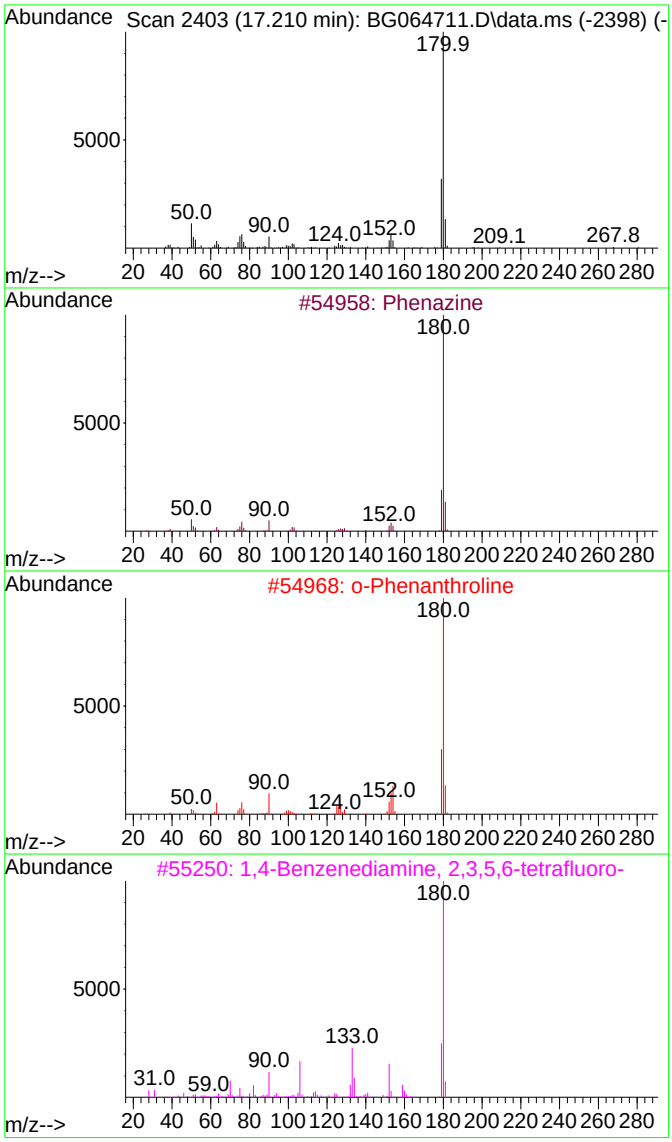
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

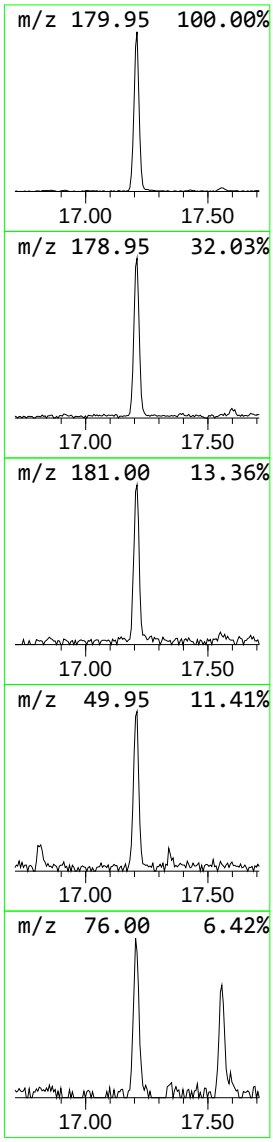
****

Peak Number 17 Phenazine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.210	9.10 ng	238823	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenazine	180	C12H8N2	000092-82-0	93
2	o-Phenanthroline	180	C12H8N2	000066-71-7	80
3	1,4-Benzenediamine, 2,3,5,6-tetr...	180	C6H4F4N2	001198-64-7	72
4	1-Phenazinecarboxylic acid	224	C13H8N2O2	002538-68-3	64
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64





Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

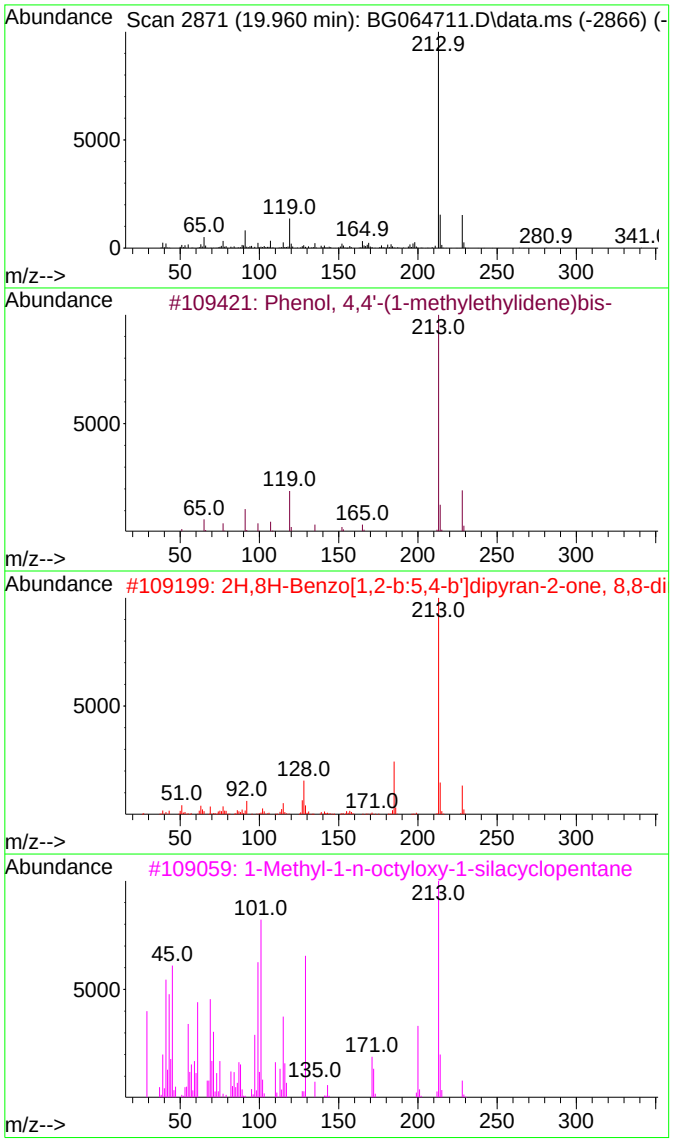
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

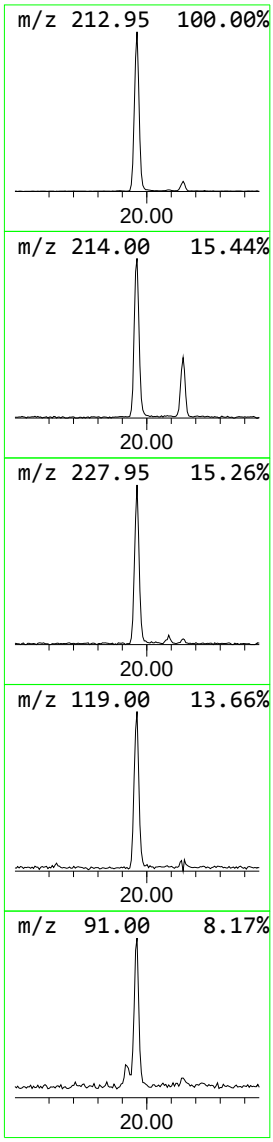
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Phenol, 4,4'-(1-methylethyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.960	21.69 ng	812260	Chrysene-d12	21.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	95
2	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	50
3	1-Methyl-1-n-octyloxy-1-silacycl...	228	C13H28OSi	1010216-91-0	50
4	As-Indacen-1(2H)-one, 3,6,7,8-te...	228	C16H20O	055591-18-9	43
5	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	43





Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

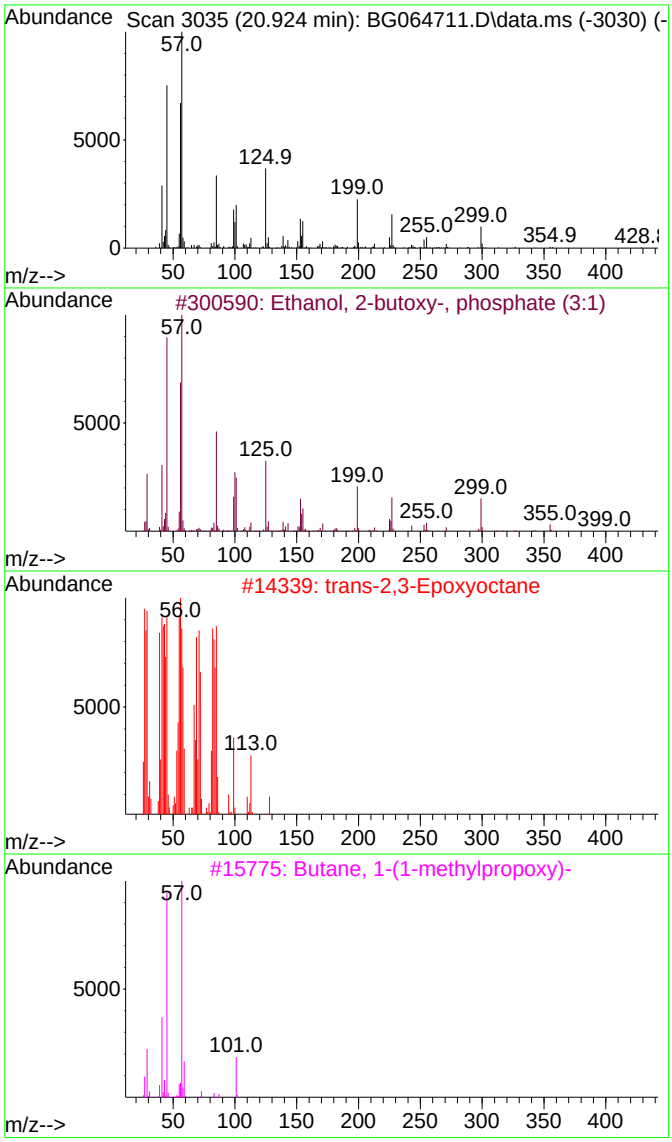
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

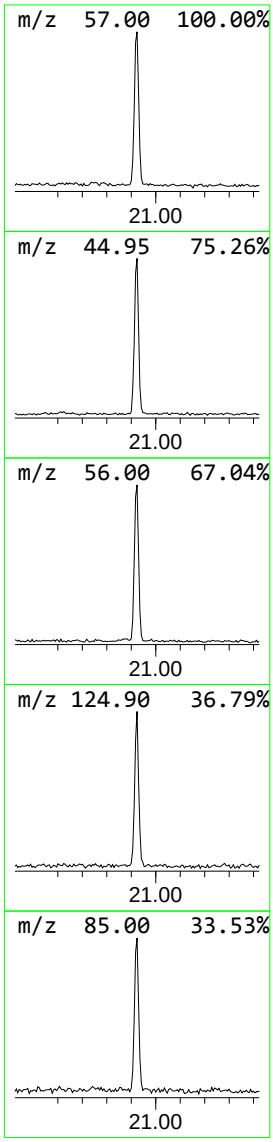
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Ethanol, 2-butoxy-, phospha... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.924	8.87 ng	332247	Chrysene-d12	21.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-, phosphate (3:1)	398	C18H39O7P	000078-51-3	90
2	trans-2,3-Epoxyoctane	128	C8H16O	028180-70-3	43
3	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	27
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	27
5	Di-sec-Butyl ether	130	C8H18O	006863-58-7	27





Tentatively Identified Compound (LSC) summary

Sample Results: **BG064711.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Triethyl phosphate	9.654	5.4	ng	71382	2	11.023	265958	20.0
Phenol, p-tert-...	12.339	47.5	ng	632362	2	11.023	265958	20.0
4,7-Methano-5H-...	12.410	30.8	ng	409407	2	11.023	265958	20.0
Cyclohexanamine...	14.290	13.1	ng	294660	3	14.819	448448	20.0
Benzoic acid, p...	14.625	11.7	ng	262850	3	14.819	448448	20.0
2(3H)-Benzothia...	16.493	32.4	ng	850948	4	17.557	524728	20.0
Benzenesulfonam...	16.817	8.4	ng	220617	4	17.557	524728	20.0
Phenazine	17.210	9.1	ng	238823	4	17.557	524728	20.0
Phenol, 4,4'-(1...	19.960	21.7	ng	812260	5	21.828	749005	20.0
Ethanol, 2-buto...	20.924	8.9	ng	332247	5	21.828	749005	20.0

Raw Data: **BF144191.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-02	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	940 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	4.20	U	1	4.20	10.6	ug/L	11/06/25 16:54	PB170424
108-95-2	Phenol	0.97	U	1	0.97	5.30	ug/L	11/06/25 16:54	PB170424
111-44-4	bis(2-Chloroethyl)ether	0.86	U	1	0.86	5.30	ug/L	11/06/25 16:54	PB170424
95-57-8	2-Chlorophenol	0.62	U	1	0.62	5.30	ug/L	11/06/25 16:54	PB170424
95-48-7	2-Methylphenol	1.20	U	1	1.20	5.30	ug/L	11/06/25 16:54	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1	1.40	5.30	ug/L	11/06/25 16:54	PB170424
98-86-2	Acetophenone	0.79	U	1	0.79	5.30	ug/L	11/06/25 16:54	PB170424
65794-96-9	3+4-Methylphenols	1.20	U	1	1.20	10.6	ug/L	11/06/25 16:54	PB170424
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1	1.50	2.70	ug/L	11/06/25 16:54	PB170424
67-72-1	Hexachloroethane	0.69	U	1	0.69	5.30	ug/L	11/06/25 16:54	PB170424
98-95-3	Nitrobenzene	0.81	U	1	0.81	5.30	ug/L	11/06/25 16:54	PB170424
78-59-1	Isophorone	0.80	U	1	0.80	5.30	ug/L	11/06/25 16:54	PB170424
88-75-5	2-Nitrophenol	1.90	U	1	1.90	5.30	ug/L	11/06/25 16:54	PB170424
105-67-9	2,4-Dimethylphenol	2.00	U	1	2.00	5.30	ug/L	11/06/25 16:54	PB170424
111-91-1	bis(2-Chloroethoxy)methane	0.72	U	1	0.72	5.30	ug/L	11/06/25 16:54	PB170424
120-83-2	2,4-Dichlorophenol	0.55	U	1	0.55	5.30	ug/L	11/06/25 16:54	PB170424
91-20-3	Naphthalene	0.53	U	1	0.53	5.30	ug/L	11/06/25 16:54	PB170424
106-47-8	4-Chloroaniline	0.89	UQ	1	0.89	5.30	ug/L	11/06/25 16:54	PB170424
87-68-3	Hexachlorobutadiene	0.57	U	1	0.57	5.30	ug/L	11/06/25 16:54	PB170424
105-60-2	Caprolactam	1.20	U	1	1.20	10.6	ug/L	11/06/25 16:54	PB170424
59-50-7	4-Chloro-3-methylphenol	0.63	U	1	0.63	5.30	ug/L	11/06/25 16:54	PB170424
91-57-6	2-Methylnaphthalene	0.60	U	1	0.60	5.30	ug/L	11/06/25 16:54	PB170424
77-47-4	Hexachlorocyclopentadiene	3.90	U	1	3.90	10.6	ug/L	11/06/25 16:54	PB170424
88-06-2	2,4,6-Trichlorophenol	0.54	U	1	0.54	5.30	ug/L	11/06/25 16:54	PB170424
95-95-4	2,4,5-Trichlorophenol	0.66	U	1	0.66	5.30	ug/L	11/06/25 16:54	PB170424
92-52-4	1,1-Biphenyl	0.56	U	1	0.56	5.30	ug/L	11/06/25 16:54	PB170424
91-58-7	2-Chloronaphthalene	0.65	U	1	0.65	5.30	ug/L	11/06/25 16:54	PB170424
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.30	ug/L	11/06/25 16:54	PB170424
131-11-3	Dimethylphthalate	0.65	U	1	0.65	5.30	ug/L	11/06/25 16:54	PB170424
208-96-8	Acenaphthylene	0.80	U	1	0.80	5.30	ug/L	11/06/25 16:54	PB170424
606-20-2	2,6-Dinitrotoluene	0.98	U	1	0.98	5.30	ug/L	11/06/25 16:54	PB170424
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.30	ug/L	11/06/25 16:54	PB170424
83-32-9	Acenaphthene	0.59	U	1	0.59	5.30	ug/L	11/06/25 16:54	PB170424
51-28-5	2,4-Dinitrophenol	6.40	U	1	6.40	10.6	ug/L	11/06/25 16:54	PB170424
100-02-7	4-Nitrophenol	2.50	U	1	2.50	10.6	ug/L	11/06/25 16:54	PB170424
132-64-9	Dibenzofuran	0.65	U	1	0.65	5.30	ug/L	11/06/25 16:54	PB170424
121-14-2	2,4-Dinitrotoluene	1.30	U	1	1.30	5.30	ug/L	11/06/25 16:54	PB170424
84-66-2	Diethylphthalate	0.73	U	1	0.73	5.30	ug/L	11/06/25 16:54	PB170424
7005-72-3	4-Chlorophenyl-phenylether	0.72	U	1	0.72	5.30	ug/L	11/06/25 16:54	PB170424
86-73-7	Fluorene	0.67	U	1	0.67	5.30	ug/L	11/06/25 16:54	PB170424
100-01-6	4-Nitroaniline	1.60	U	1	1.60	5.30	ug/L	11/06/25 16:54	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	1	3.10	10.6	ug/L	11/06/25 16:54	PB170424

Raw Data: **BF144191.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-02	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	940 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.62	U	1	0.62	5.30	ug/L	11/06/25 16:54	PB170424
101-55-3	4-Bromophenyl-phenylether	0.43	U	1	0.43	5.30	ug/L	11/06/25 16:54	PB170424
118-74-1	Hexachlorobenzene	0.55	U	1	0.55	5.30	ug/L	11/06/25 16:54	PB170424
1912-24-9	Atrazine	1.10	U	1	1.10	5.30	ug/L	11/06/25 16:54	PB170424
87-86-5	Pentachlorophenol	1.70	U	1	1.70	10.6	ug/L	11/06/25 16:54	PB170424
85-01-8	Phenanthrene	0.53	U	1	0.53	5.30	ug/L	11/06/25 16:54	PB170424
120-12-7	Anthracene	0.65	U	1	0.65	5.30	ug/L	11/06/25 16:54	PB170424
86-74-8	Carbazole	0.77	U	1	0.77	5.30	ug/L	11/06/25 16:54	PB170424
84-74-2	Di-n-butylphthalate	1.30	U	1	1.30	5.30	ug/L	11/06/25 16:54	PB170424
206-44-0	Fluoranthene	0.87	U	1	0.87	5.30	ug/L	11/06/25 16:54	PB170424
129-00-0	Pyrene	0.53	U	1	0.53	5.30	ug/L	11/06/25 16:54	PB170424
85-68-7	Butylbenzylphthalate	2.10	U	1	2.10	5.30	ug/L	11/06/25 16:54	PB170424
91-94-1	3,3-Dichlorobenzidine	0.99	U	1	0.99	10.6	ug/L	11/06/25 16:54	PB170424
56-55-3	Benzo(a)anthracene	0.48	U	1	0.48	5.30	ug/L	11/06/25 16:54	PB170424
218-01-9	Chrysene	0.47	U	1	0.47	5.30	ug/L	11/06/25 16:54	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	1.70	U	1	1.70	5.30	ug/L	11/06/25 16:54	PB170424
117-84-0	Di-n-octyl phthalate	2.50	U	1	2.50	10.6	ug/L	11/06/25 16:54	PB170424
205-99-2	Benzo(b)fluoranthene	0.52	U	1	0.52	5.30	ug/L	11/06/25 16:54	PB170424
207-08-9	Benzo(k)fluoranthene	0.51	U	1	0.51	5.30	ug/L	11/06/25 16:54	PB170424
50-32-8	Benzo(a)pyrene	0.59	U	1	0.59	5.30	ug/L	11/06/25 16:54	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	0.63	U	1	0.63	5.30	ug/L	11/06/25 16:54	PB170424
53-70-3	Dibenzo(a,h)anthracene	0.71	U	1	0.71	5.30	ug/L	11/06/25 16:54	PB170424
191-24-2	Benzo(g,h,i)perylene	0.73	U	1	0.73	5.30	ug/L	11/06/25 16:54	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	0.55	U	1	0.55	5.30	ug/L	11/06/25 16:54	PB170424
123-91-1	1,4-Dioxane	75.5		1	1.10	5.30	ug/L	11/06/25 16:54	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	0.77	U	1	0.77	5.30	ug/L	11/06/25 16:54	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	78.6			15 (23) - 110 (138)	52%	SPK: 150		
13127-88-3	Phenol-d6	58.5			15 (10) - 110 (134)	39%	SPK: 150		
4165-60-0	Nitrobenzene-d5	93.3			30 (67) - 130 (132)	93%	SPK: 100		
321-60-8	2-Fluorobiphenyl	87.1			30 (52) - 130 (132)	87%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	133			15 (44) - 110 (137)	89%	SPK: 150		
1718-51-0	Terphenyl-d14	75.7			30 (42) - 130 (152)	76%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	63900							
1146-65-2	Naphthalene-d8	245000							
15067-26-2	Acenaphthene-d10	136000							
1517-22-2	Phenanthrene-d10	213000							
1719-03-5	Chrysene-d12	155000							
1520-96-3	Perylene-d12	207000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	5.20	J			10.6	ug/L		

Raw Data: **BF144191.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	11/03/25
Project:	Edison Landfill			Date Received:	11/04/25
Client Sample ID:	MW-1			SDG No.:	Q3534
Lab Sample ID:	Q3534-02			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	940 mL	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date:	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **BF144191.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144191.D
Acq On : 06 Nov 2025 16:54
Operator : RC/JU
Sample : Q3534-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

Quant Time: Nov 06 17:27:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63903	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	245141	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	136285	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	213036	20.000	ng	0.00
76) Chrysene-d12	14.051	240	155402	20.000	ng	0.00
86) Perylene-d12	15.533	264	207385	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	321066	78.623	ng	0.00
7) Phenol-d6	6.498	99	270663	58.496	ng	0.00
23) Nitrobenzene-d5	7.434	82	396092	93.319	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	228049	133.345	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	803818	87.111	ng	0.00
79) Terphenyl-d14	12.992	244	740183	75.656	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	119812	70.967	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

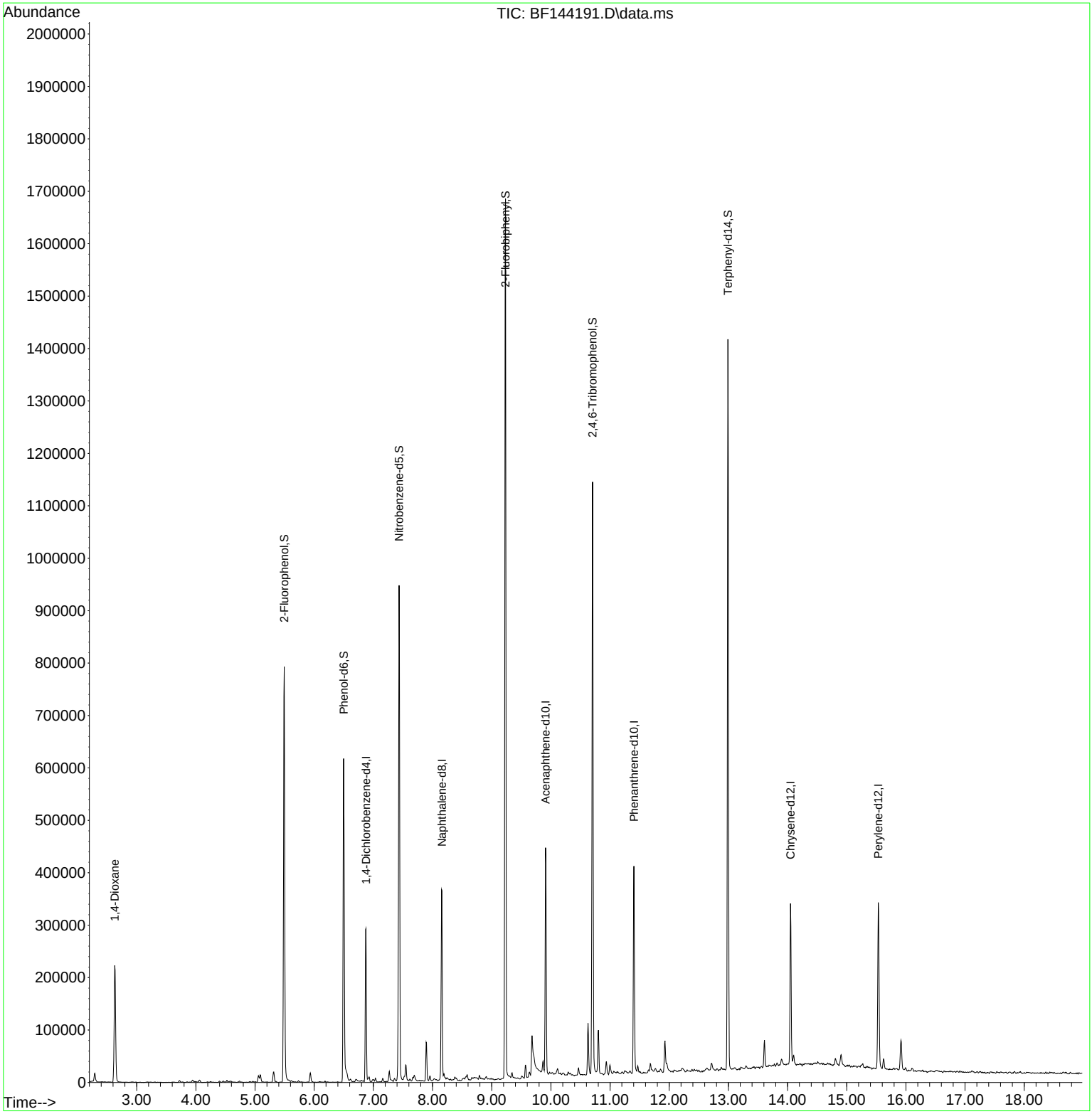
Sample Results: **BF144191.D**

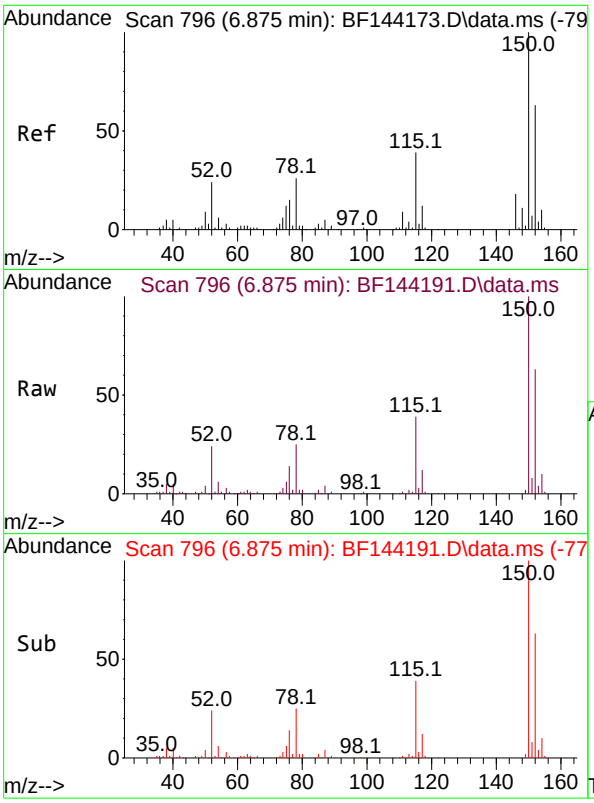
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144191.D
Acq On : 06 Nov 2025 16:54
Operator : RC/JU
Sample : Q3534-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 06 17:27:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
MW-1

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

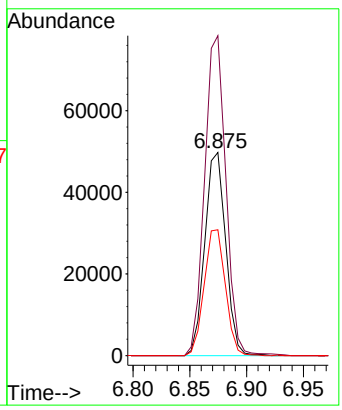
Tgt Ion:152 Resp: 6390

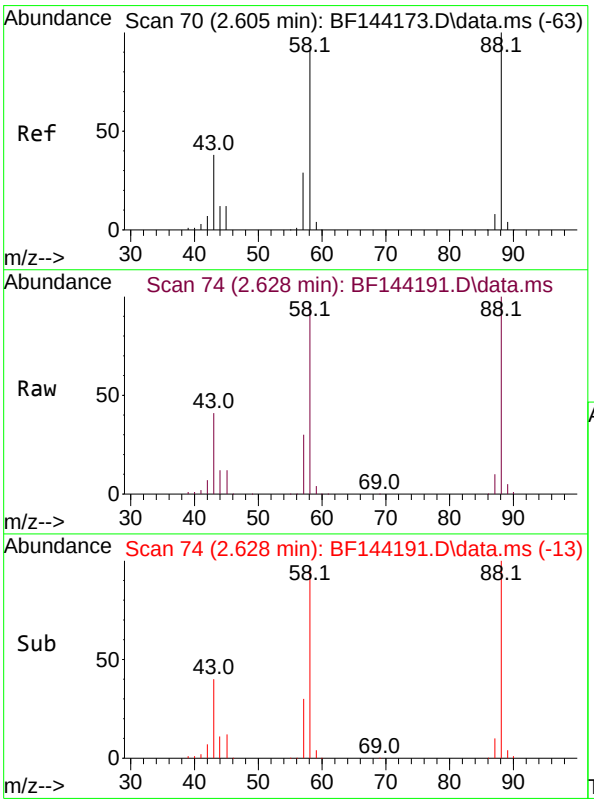
Ion	Ratio	Lower	Upper
152	100		
150	157.6	127.4	191.0
115	61.9	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
MW-1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

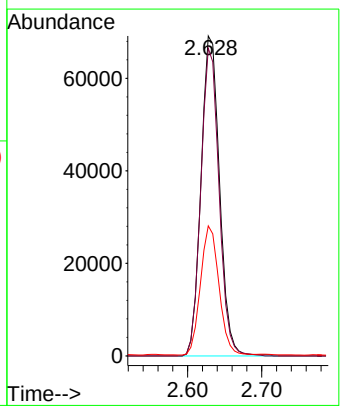


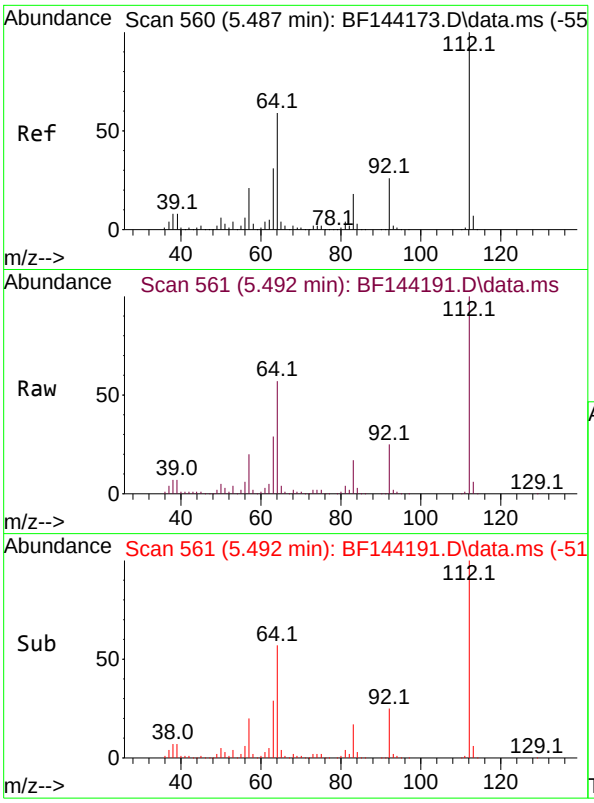


#2
1,4-Dioxane
Concen: 70.967 ng
RT: 2.628 min Scan# 74
Delta R.T. 0.012 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion: 88 Resp: 119812

Ion	Ratio	Lower	Upper
88	100		
58	94.6	73.1	109.7
43	40.2	31.0	46.6





#5
2-Fluorophenol
Concen: 78.623 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

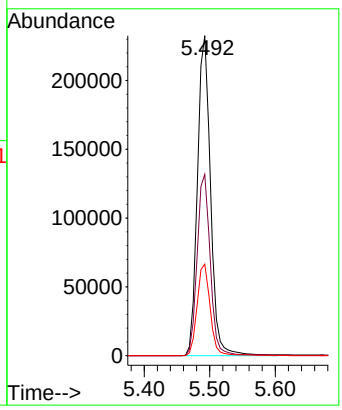
Tgt Ion:112 Resp: 32106

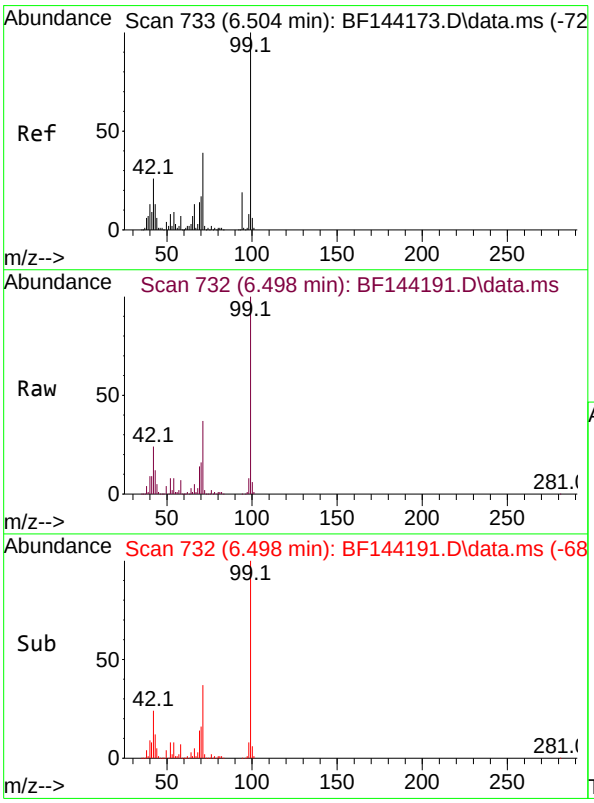
Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.2	70.8
63	28.6	24.4	36.6

Instrument :
BNA_F
ClientSampleId :
MW-1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

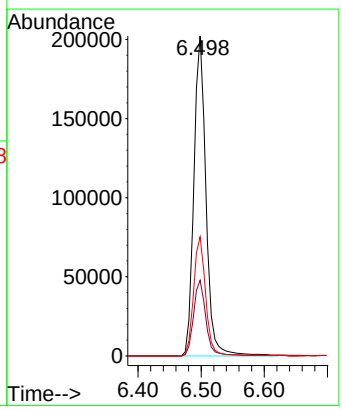


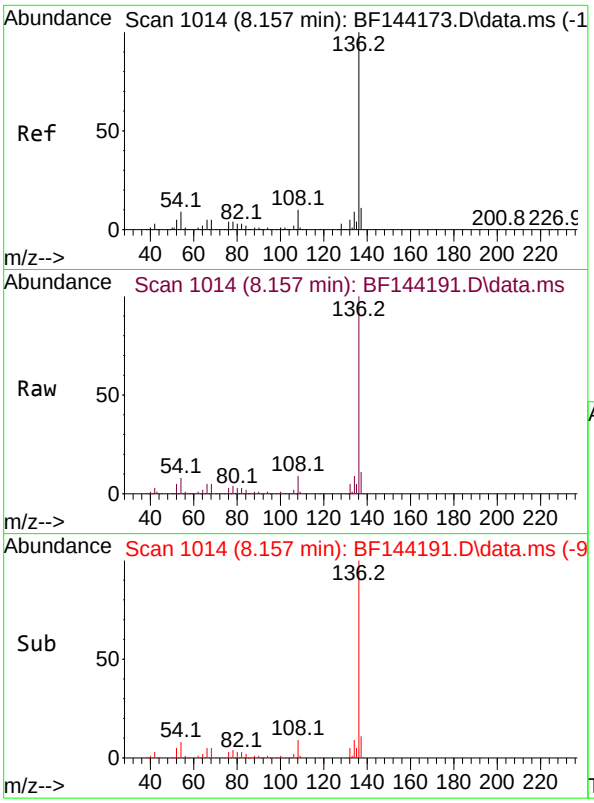


#7
Phenol-d6
Concen: 58.496 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion: 99 Resp: 270663

Ion	Ratio	Lower	Upper
99	100		
42	23.6	20.9	31.3
71	37.2	31.4	47.2

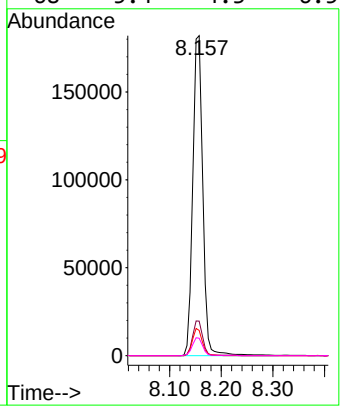




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion:136 Resp: 24514

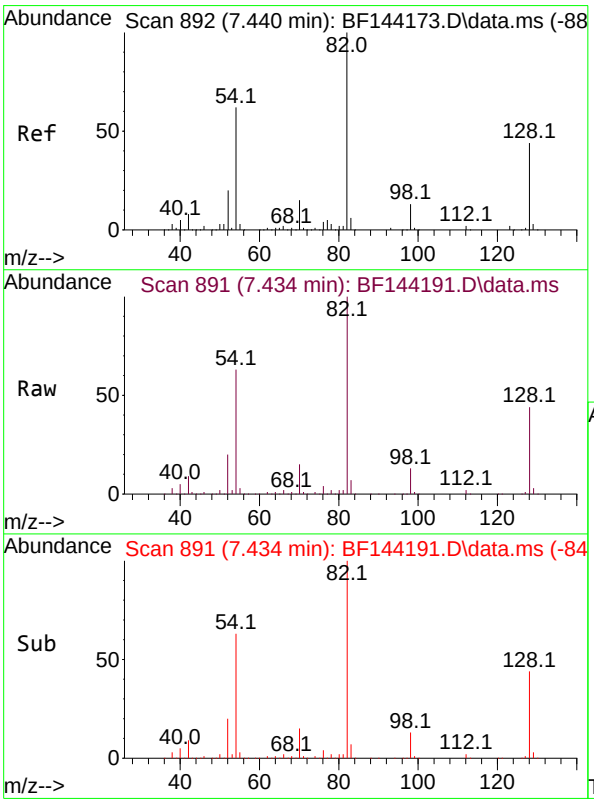
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.9	7.0	10.6
68	5.4	4.3	6.5



Instrument :
BNA_F
ClientSampleId :
MW-1

Manual Integrations
APPROVED

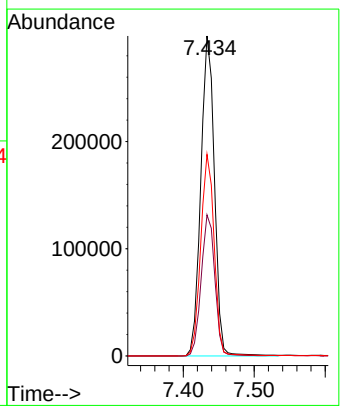
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

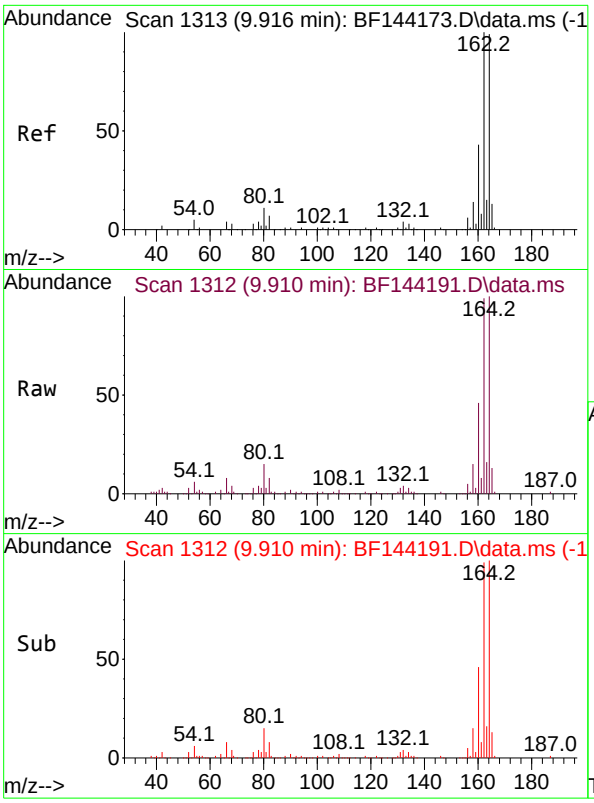


#23
Nitrobenzene-d5
Concen: 93.319 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion: 82 Resp: 396092

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.7	52.1
54	63.0	49.5	74.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

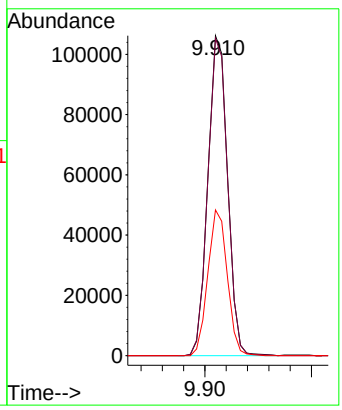
Tgt Ion:164 Resp: 13628

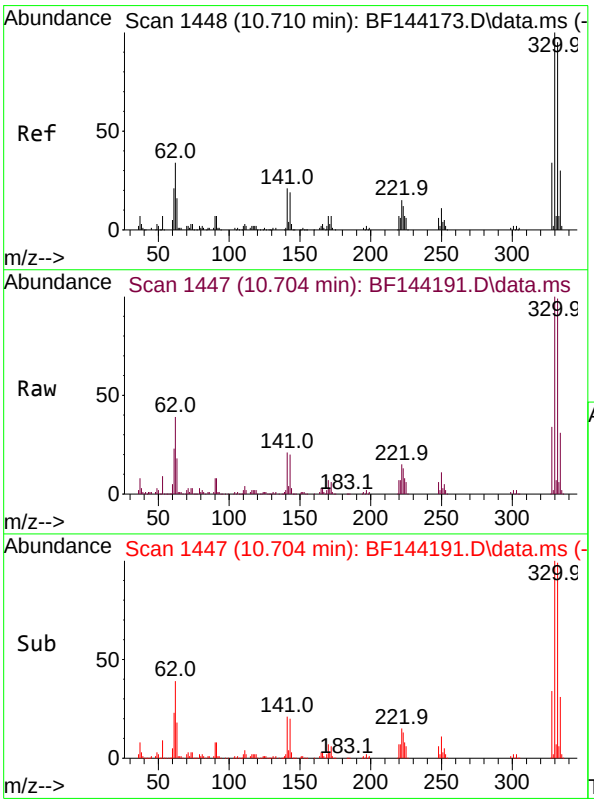
Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.1	121.7
160	45.5	34.5	51.7

Instrument :
BNA_F
ClientSampleId :
MW-1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

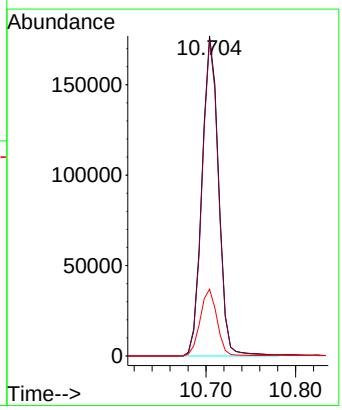


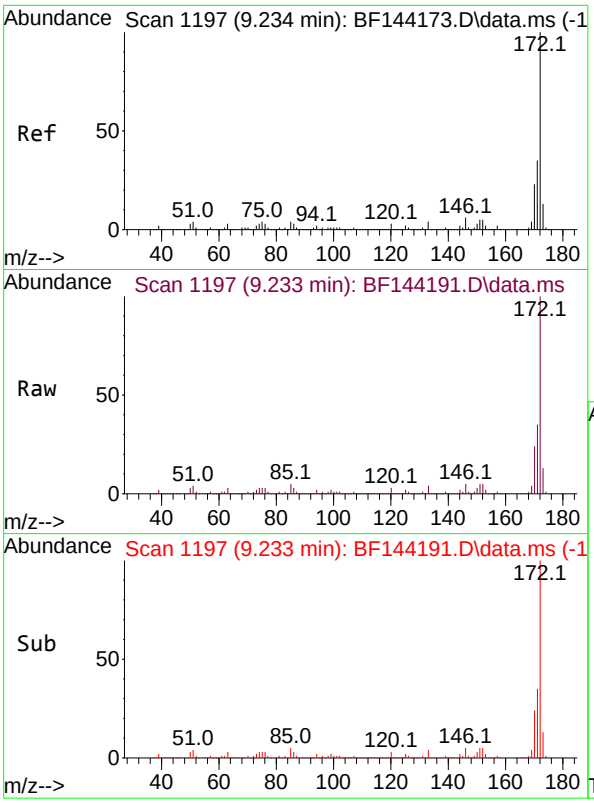


#42
2,4,6-Tribromophenol
Concen: 133.345 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion:330 Resp: 228049

Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.7	115.1
141	21.1	17.8	26.8





#45
2-Fluorobiphenyl
Concen: 87.111 ng
RT: 9.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

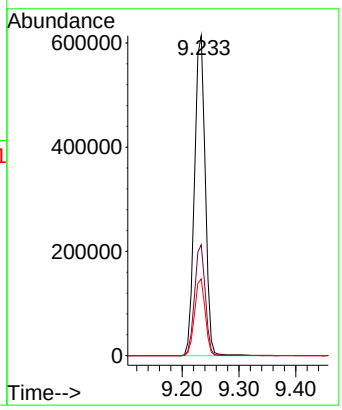
Tgt Ion:172 Resp: 80381

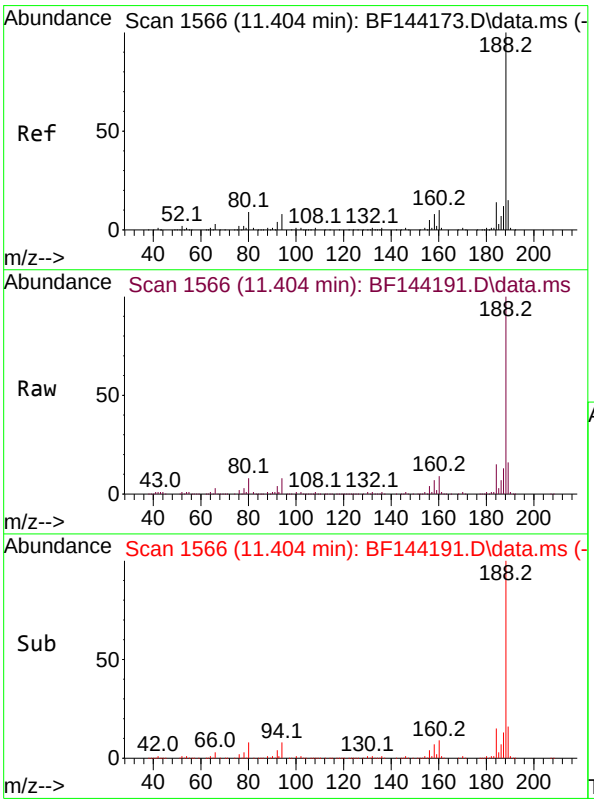
Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.1	42.1
170	24.0	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
MW-1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

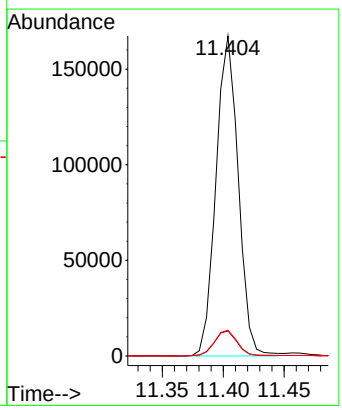


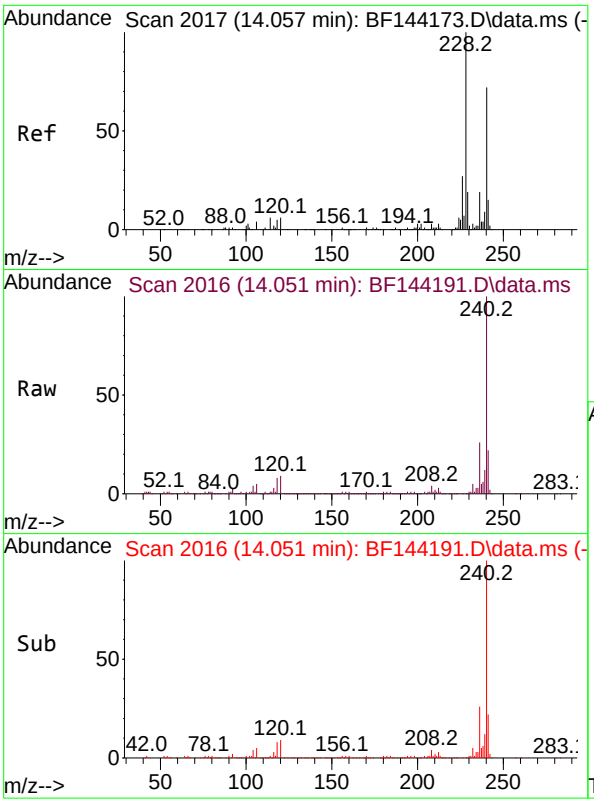


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion:188 Resp: 213036

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.2	9.2
80	8.0	6.9	10.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

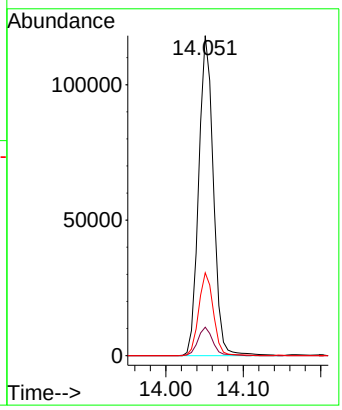
Tgt Ion:240 Resp: 15540

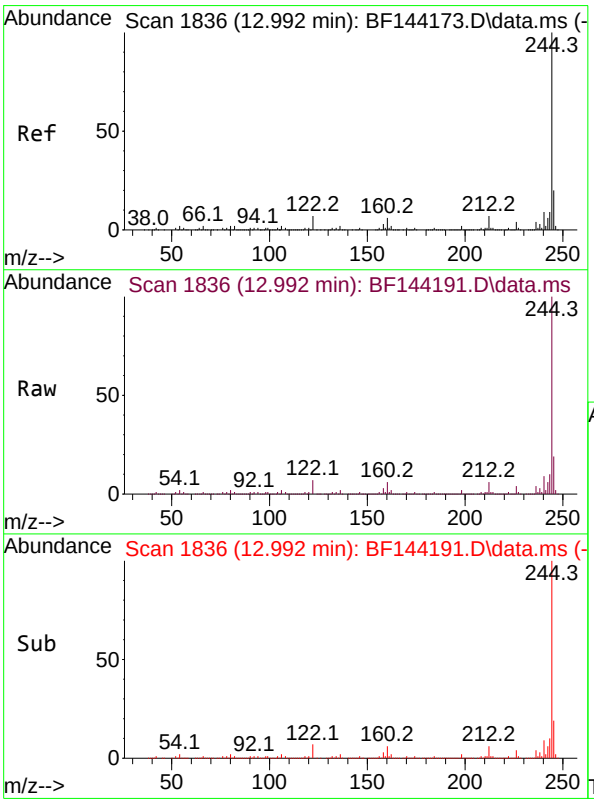
Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.6	10.0
236	25.9	21.4	32.2

Instrument :
BNA_F
ClientSampleId :
MW-1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

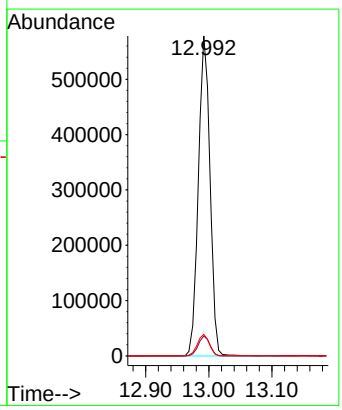


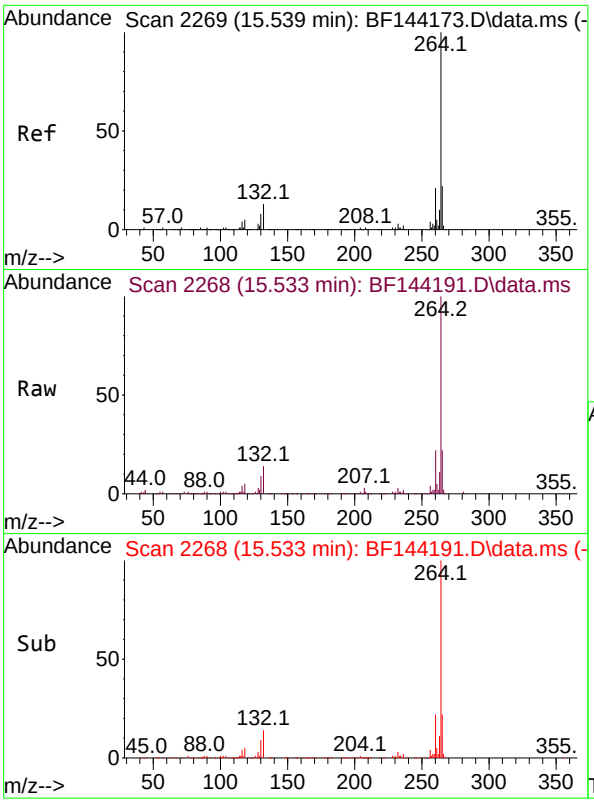


#79
Terphenyl-d14
Concen: 75.656 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion:244 Resp: 740183

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.3	7.9
122	6.7	5.6	8.4

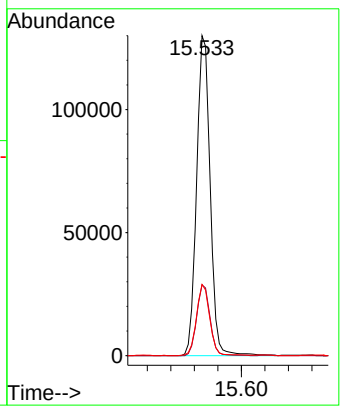




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion:264 Resp: 20738

Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.1	25.7
265	22.2	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
MW-1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

Sample Results: **BF144191.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144191.D
Acq On : 06 Nov 2025 16:54
Operator : RC/JU
Sample : Q3534-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144191.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.293	12	17	26	rVB	16693	27940	1.28%	0.211%
2	2.628	68	74	87	rBV	222520	383753	17.52%	2.893%
3	5.316	521	531	535	rBV	19758	33633	1.54%	0.254%
4	5.492	555	561	573	rBV	791613	1083977	49.47%	8.172%
5	5.934	631	636	646	rVB2	17966	29299	1.34%	0.221%
6	6.498	727	732	748	rBV	617150	856830	39.11%	6.459%
7	6.875	791	796	800	rBV	292375	382390	17.45%	2.883%
8	7.269	858	863	874	rBV2	19244	31979	1.46%	0.241%
9	7.434	883	891	902	rBV	945236	1269793	57.96%	9.573%
10	7.545	902	910	916	rVB	29038	49990	2.28%	0.377%
11	7.892	964	969	976	rBV	74025	99792	4.55%	0.752%
12	8.151	1006	1013	1018	rBV	363566	483697	22.08%	3.646%
13	9.233	1191	1197	1202	rBV	1677497	2190973	100.00%	16.517%
14	9.569	1251	1254	1258	rBV2	24604	31933	1.46%	0.241%
15	9.680	1269	1273	1299	rBV	75394	247733	11.31%	1.868%
16	9.869	1301	1305	1308	rVV3	25790	39896	1.82%	0.301%
17	9.910	1308	1312	1320	rVB	432186	560148	25.57%	4.223%
18	10.627	1429	1434	1441	rBV	98648	136747	6.24%	1.031%
19	10.704	1441	1447	1457	rVV	1130340	1467695	66.99%	11.065%
20	10.804	1459	1464	1472	rVB	83156	109267	4.99%	0.824%
21	10.939	1482	1487	1493	rVB	24565	38891	1.78%	0.293%
22	10.998	1493	1497	1505	rBV3	18493	32805	1.50%	0.247%
23	11.404	1561	1566	1574	rBV	394871	510449	23.30%	3.848%
24	11.680	1610	1613	1622	rVB	14554	22118	1.01%	0.167%
25	11.927	1650	1655	1667	rBV2	60203	118970	5.43%	0.897%
26	12.716	1785	1789	1799	rVB2	13319	26265	1.20%	0.198%
27	12.992	1830	1836	1841	rBV	1392580	1788803	81.64%	13.485%
28	13.610	1936	1941	1947	rBV	52148	69989	3.19%	0.528%
29	14.051	2011	2016	2021	rBV	305296	400157	18.26%	3.017%
30	14.104	2022	2025	2033	rVB5	18907	30279	1.38%	0.228%
31	14.810	2142	2145	2155	rVB10	13505	26868	1.23%	0.203%
32	14.904	2157	2161	2173	rVB4	22723	50166	2.29%	0.378%
33	15.533	2262	2268	2279	rVV	316779	506548	23.12%	3.819%
34	15.621	2279	2283	2289	rVB8	19076	29668	1.35%	0.224%
35	15.915	2328	2333	2342	rVB3	56116	95355	4.35%	0.719%

Sample Results: **BF144191.D**

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144191.D
Acq On    : 06 Nov 2025  16:54
Operator  : RC/JU
Sample    : Q3534-02
Misc      :
ALS Vial  : 13   Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
MW-1

```
Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON                            Filtering: 5
Sampling  : 1                              Min Area: 3 % of largest Peak
Start Thrs: 0.2                           Max Peaks: 100
Stop Thrs : 0                         Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method    : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title     : ASP BNA STANDARDS FOR 5 POINT CALIBRATION


                      Sum of corrected areas:    13264796
```

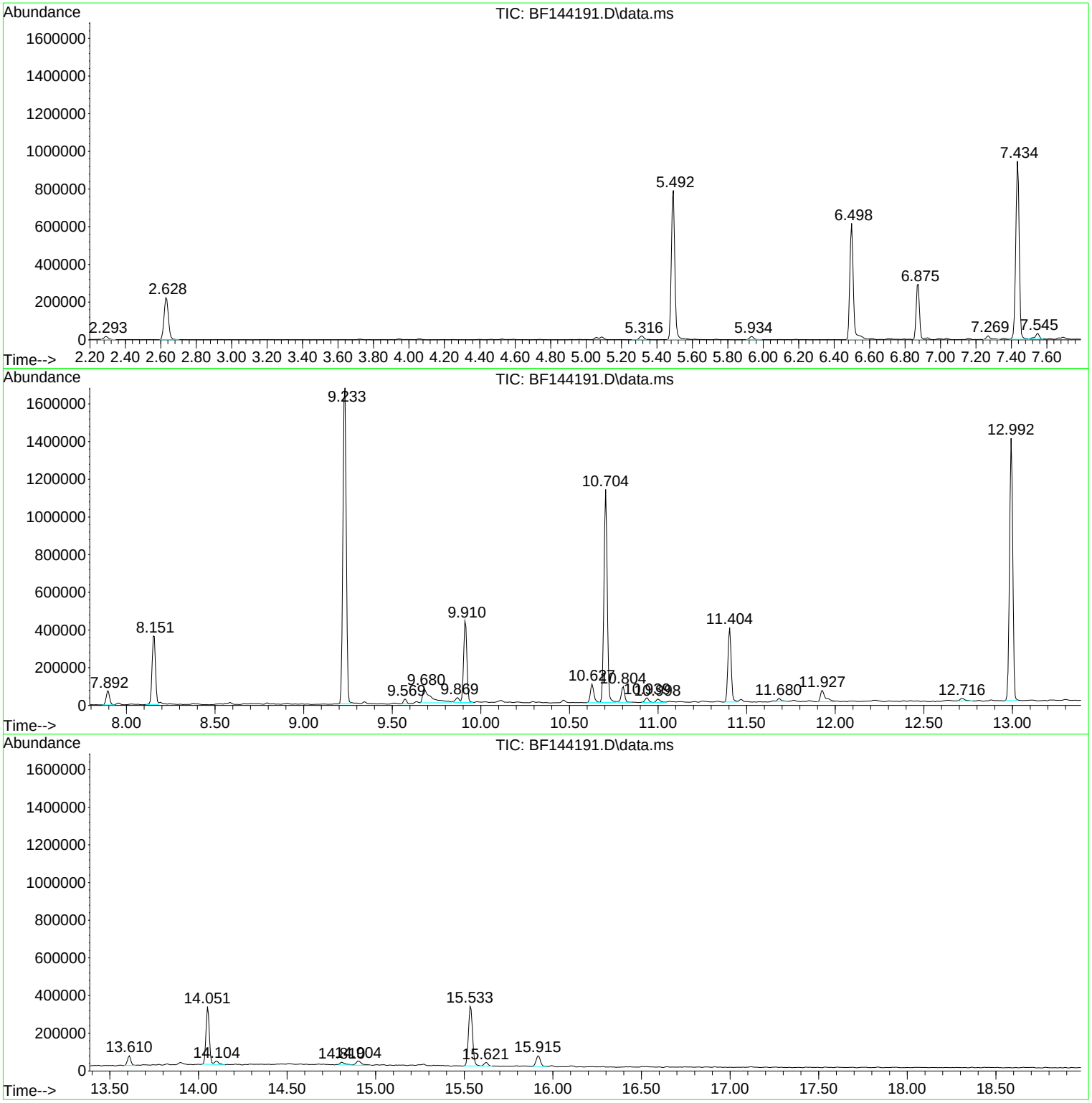
Sample Results: **BF144191.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144191.D
Acq On : 06 Nov 2025 16:54
Operator : RC/JU
Sample : Q3534-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **BF144191.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144191.D
Acq On : 06 Nov 2025 16:54
Operator : RC/JU
Sample : Q3534-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

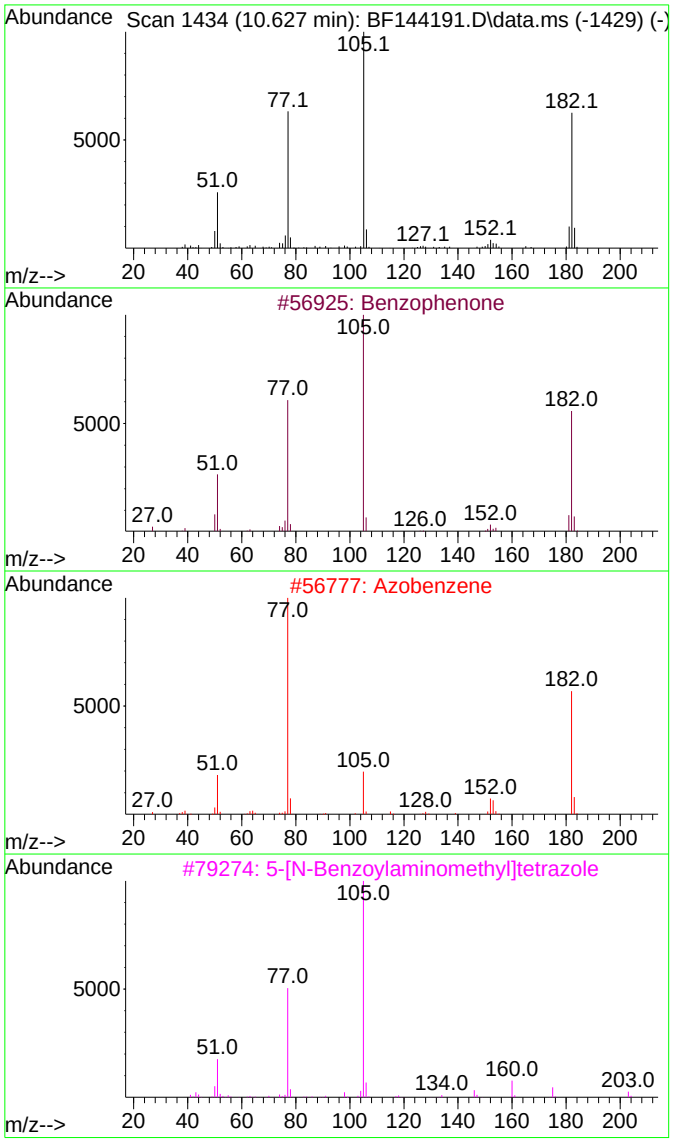
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

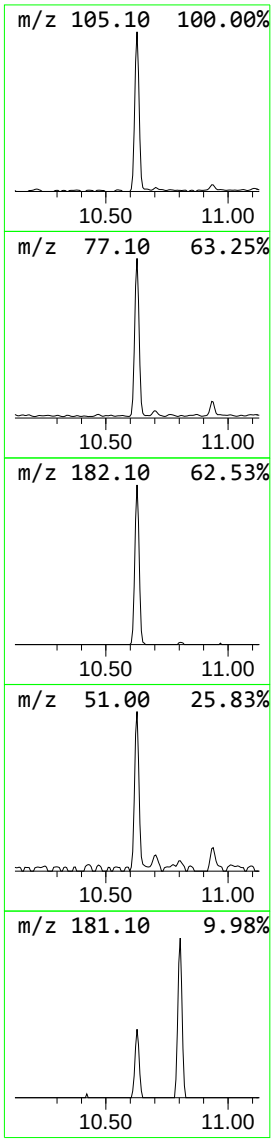
****

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	4.88 ng	136747	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	47
3	5-[N-Benzoylaminomethyl]tetrazole	203	C9H9N5O	1000227-36-3	43
4	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	43
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	43





Tentatively Identified Compound (LSC) summary

Sample Results: **BF144191.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144191.D
Acq On : 06 Nov 2025 16:54
Operator : RC/JU
Sample : Q3534-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Benzophenone	10.628	4.9	ng	136747	3	9.910	560148	20.0

Raw Data: **BP026082.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-11	SDG No.:	Q3534
Lab Sample ID:	Q3534-03	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	980 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	4.00	U	1	4.00	10.2	ug/L	11/06/25 18:26	PB170424
108-95-2	Phenol	0.93	U	1	0.93	5.10	ug/L	11/06/25 18:26	PB170424
111-44-4	bis(2-Chloroethyl)ether	0.83	U	1	0.83	5.10	ug/L	11/06/25 18:26	PB170424
95-57-8	2-Chlorophenol	0.59	U	1	0.59	5.10	ug/L	11/06/25 18:26	PB170424
95-48-7	2-Methylphenol	1.10	U	1	1.10	5.10	ug/L	11/06/25 18:26	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.10	ug/L	11/06/25 18:26	PB170424
98-86-2	Acetophenone	0.76	U	1	0.76	5.10	ug/L	11/06/25 18:26	PB170424
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.2	ug/L	11/06/25 18:26	PB170424
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1	1.40	2.60	ug/L	11/06/25 18:26	PB170424
67-72-1	Hexachloroethane	0.66	U	1	0.66	5.10	ug/L	11/06/25 18:26	PB170424
98-95-3	Nitrobenzene	0.78	U	1	0.78	5.10	ug/L	11/06/25 18:26	PB170424
78-59-1	Isophorone	0.77	U	1	0.77	5.10	ug/L	11/06/25 18:26	PB170424
88-75-5	2-Nitrophenol	1.80	U	1	1.80	5.10	ug/L	11/06/25 18:26	PB170424
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.10	ug/L	11/06/25 18:26	PB170424
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	1	0.69	5.10	ug/L	11/06/25 18:26	PB170424
120-83-2	2,4-Dichlorophenol	0.53	U	1	0.53	5.10	ug/L	11/06/25 18:26	PB170424
91-20-3	Naphthalene	0.51	U	1	0.51	5.10	ug/L	11/06/25 18:26	PB170424
106-47-8	4-Chloroaniline	0.86	UQ	1	0.86	5.10	ug/L	11/06/25 18:26	PB170424
87-68-3	Hexachlorobutadiene	0.55	U	1	0.55	5.10	ug/L	11/06/25 18:26	PB170424
105-60-2	Caprolactam	1.20	U	1	1.20	10.2	ug/L	11/06/25 18:26	PB170424
59-50-7	4-Chloro-3-methylphenol	0.60	U	1	0.60	5.10	ug/L	11/06/25 18:26	PB170424
91-57-6	2-Methylnaphthalene	0.57	U	1	0.57	5.10	ug/L	11/06/25 18:26	PB170424
77-47-4	Hexachlorocyclopentadiene	3.70	U	1	3.70	10.2	ug/L	11/06/25 18:26	PB170424
88-06-2	2,4,6-Trichlorophenol	0.52	U	1	0.52	5.10	ug/L	11/06/25 18:26	PB170424
95-95-4	2,4,5-Trichlorophenol	0.63	U	1	0.63	5.10	ug/L	11/06/25 18:26	PB170424
92-52-4	1,1-Biphenyl	0.54	U	1	0.54	5.10	ug/L	11/06/25 18:26	PB170424
91-58-7	2-Chloronaphthalene	0.62	U	1	0.62	5.10	ug/L	11/06/25 18:26	PB170424
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.10	ug/L	11/06/25 18:26	PB170424
131-11-3	Dimethylphthalate	0.62	U	1	0.62	5.10	ug/L	11/06/25 18:26	PB170424
208-96-8	Acenaphthylene	0.77	U	1	0.77	5.10	ug/L	11/06/25 18:26	PB170424
606-20-2	2,6-Dinitrotoluene	0.94	U	1	0.94	5.10	ug/L	11/06/25 18:26	PB170424
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.10	ug/L	11/06/25 18:26	PB170424
83-32-9	Acenaphthene	0.56	U	1	0.56	5.10	ug/L	11/06/25 18:26	PB170424
51-28-5	2,4-Dinitrophenol	6.10	U	1	6.10	10.2	ug/L	11/06/25 18:26	PB170424
100-02-7	4-Nitrophenol	2.40	U	1	2.40	10.2	ug/L	11/06/25 18:26	PB170424
132-64-9	Dibenzofuran	0.62	U	1	0.62	5.10	ug/L	11/06/25 18:26	PB170424
121-14-2	2,4-Dinitrotoluene	1.20	U	1	1.20	5.10	ug/L	11/06/25 18:26	PB170424
84-66-2	Diethylphthalate	0.70	U	1	0.70	5.10	ug/L	11/06/25 18:26	PB170424
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	1	0.69	5.10	ug/L	11/06/25 18:26	PB170424
86-73-7	Fluorene	0.64	U	1	0.64	5.10	ug/L	11/06/25 18:26	PB170424
100-01-6	4-Nitroaniline	1.50	U	1	1.50	5.10	ug/L	11/06/25 18:26	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	1	2.90	10.2	ug/L	11/06/25 18:26	PB170424

Raw Data: **BP026082.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-11	SDG No.:	Q3534
Lab Sample ID:	Q3534-03	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	980 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.59	U	1	0.59	5.10	ug/L	11/06/25 18:26	PB170424
101-55-3	4-Bromophenyl-phenylether	0.41	U	1	0.41	5.10	ug/L	11/06/25 18:26	PB170424
118-74-1	Hexachlorobenzene	0.53	U	1	0.53	5.10	ug/L	11/06/25 18:26	PB170424
1912-24-9	Atrazine	1.00	U	1	1.00	5.10	ug/L	11/06/25 18:26	PB170424
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.2	ug/L	11/06/25 18:26	PB170424
85-01-8	Phenanthrene	0.51	U	1	0.51	5.10	ug/L	11/06/25 18:26	PB170424
120-12-7	Anthracene	0.62	U	1	0.62	5.10	ug/L	11/06/25 18:26	PB170424
86-74-8	Carbazole	0.73	U	1	0.73	5.10	ug/L	11/06/25 18:26	PB170424
84-74-2	Di-n-butylphthalate	1.20	U	1	1.20	5.10	ug/L	11/06/25 18:26	PB170424
206-44-0	Fluoranthene	0.84	U	1	0.84	5.10	ug/L	11/06/25 18:26	PB170424
129-00-0	Pyrene	0.51	U	1	0.51	5.10	ug/L	11/06/25 18:26	PB170424
85-68-7	Butylbenzylphthalate	2.00	U	1	2.00	5.10	ug/L	11/06/25 18:26	PB170424
91-94-1	3,3-Dichlorobenzidine	0.95	U	1	0.95	10.2	ug/L	11/06/25 18:26	PB170424
56-55-3	Benzo(a)anthracene	0.46	U	1	0.46	5.10	ug/L	11/06/25 18:26	PB170424
218-01-9	Chrysene	0.45	U	1	0.45	5.10	ug/L	11/06/25 18:26	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1	1.60	5.10	ug/L	11/06/25 18:26	PB170424
117-84-0	Di-n-octyl phthalate	2.40	U	1	2.40	10.2	ug/L	11/06/25 18:26	PB170424
205-99-2	Benzo(b)fluoranthene	0.50	U	1	0.50	5.10	ug/L	11/06/25 18:26	PB170424
207-08-9	Benzo(k)fluoranthene	0.49	U	1	0.49	5.10	ug/L	11/06/25 18:26	PB170424
50-32-8	Benzo(a)pyrene	0.56	U	1	0.56	5.10	ug/L	11/06/25 18:26	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	1	0.60	5.10	ug/L	11/06/25 18:26	PB170424
53-70-3	Dibenzo(a,h)anthracene	0.68	U	1	0.68	5.10	ug/L	11/06/25 18:26	PB170424
191-24-2	Benzo(g,h,i)perylene	0.70	U	1	0.70	5.10	ug/L	11/06/25 18:26	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	1	0.53	5.10	ug/L	11/06/25 18:26	PB170424
123-91-1	1,4-Dioxane	5.90		1	1.00	5.10	ug/L	11/06/25 18:26	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	0.73	U	1	0.73	5.10	ug/L	11/06/25 18:26	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	77.8			15 (23) - 110 (138)	52%	SPK: 150		
13127-88-3	Phenol-d6	54.4			15 (10) - 110 (134)	36%	SPK: 150		
4165-60-0	Nitrobenzene-d5	103			30 (67) - 130 (132)	103%	SPK: 100		
321-60-8	2-Fluorobiphenyl	86.9			30 (52) - 130 (132)	87%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	188	*		15 (44) - 110 (137)	125%	SPK: 150		
1718-51-0	Terphenyl-d14	84.2			30 (42) - 130 (152)	84%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	247000							
1146-65-2	Naphthalene-d8	962000							
15067-26-2	Acenaphthene-d10	601000							
1517-22-2	Phenanthrene-d10	1360000							
1719-03-5	Chrysene-d12	1770000							
1520-96-3	Perylene-d12	2050000							

Raw Data: **BP026082.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	11/03/25
Project:	Edison Landfill			Date Received:	11/04/25
Client Sample ID:	MW-11			SDG No.:	Q3534
Lab Sample ID:	Q3534-03			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	980 mL	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date:	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **BP026082.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026082.D
Acq On : 06 Nov 2025 18:26
Operator : RC/JU
Sample : Q3534-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-11

Quant Time: Nov 07 01:01:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	246596	20.000	ng	-0.01
21) Naphthalene-d8	10.448	136	961848	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	600974	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1364168	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1768109	20.000	ng	0.01
86) Perylene-d12	24.907	264	2046411	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1162965	77.820	ng	0.00
7) Phenol-d6	6.855	99	1035158	54.421	ng	0.00
23) Nitrobenzene-d5	8.819	82	1589635	103.028	ng	0.00
42) 2,4,6-Tribromophenol	15.836	330	1219849	187.752	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	3634552	86.902	ng	0.00
79) Terphenyl-d14	19.871	244	7325193	84.172	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.225	88	36187	5.744	ng	# 85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

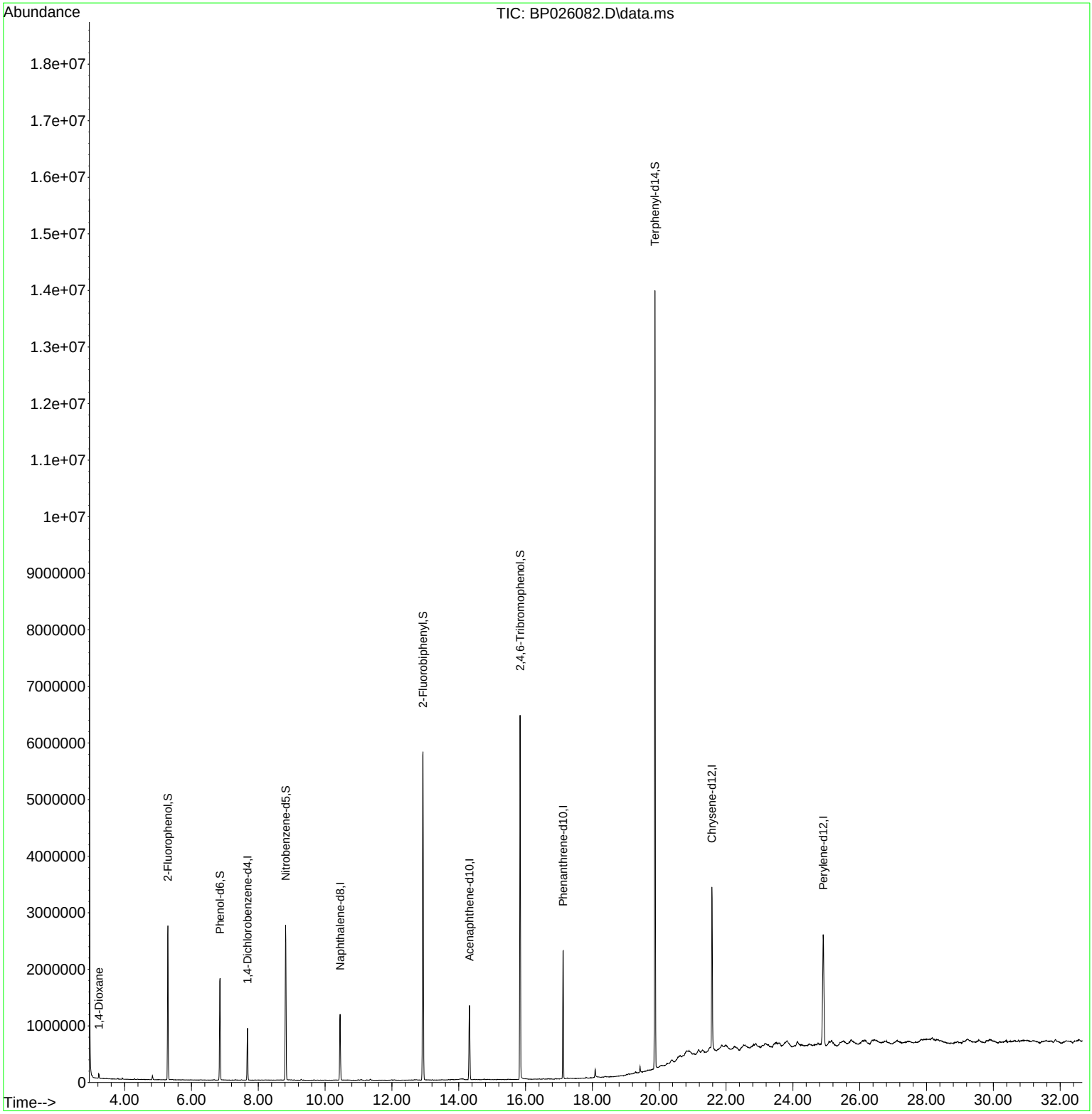
Quantitation Report (QT Reviewed)

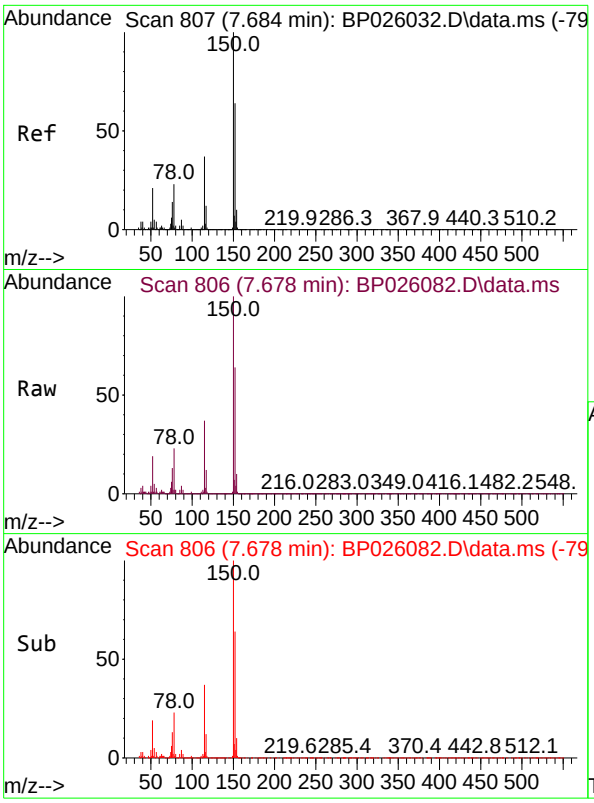
Sample Results: **BP026082.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026082.D
Acq On : 06 Nov 2025 18:26
Operator : RC/JU
Sample : Q3534-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-11

Quant Time: Nov 07 01:01:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



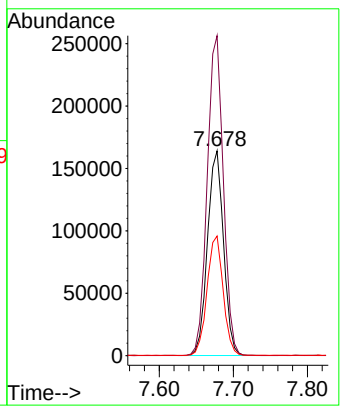


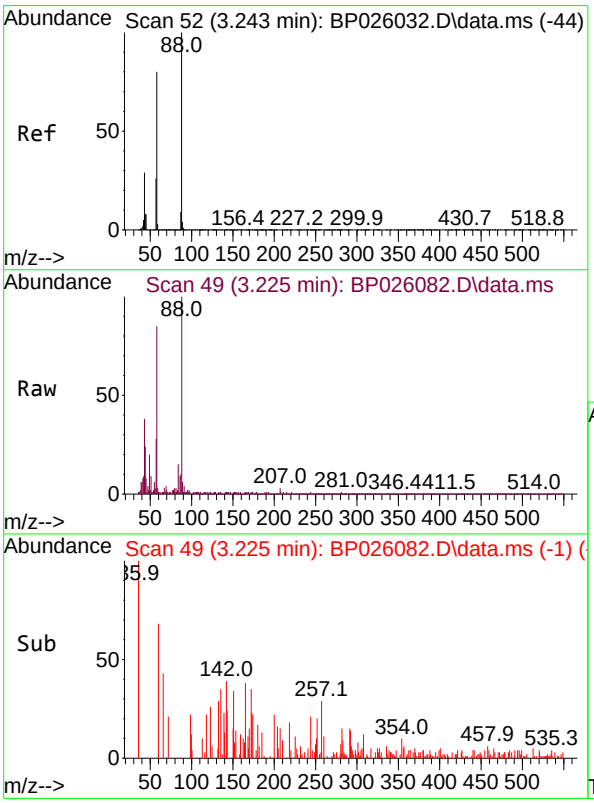
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 8(
Delta R.T. -0.012 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Instrument :
BNA_P
ClientSampleId :
MW-11

Tgt Ion:152 Resp: 246596

Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.7	188.5
115	58.4	46.4	69.6

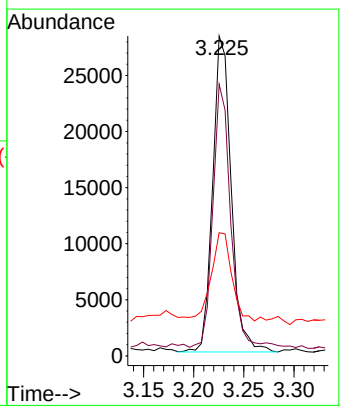


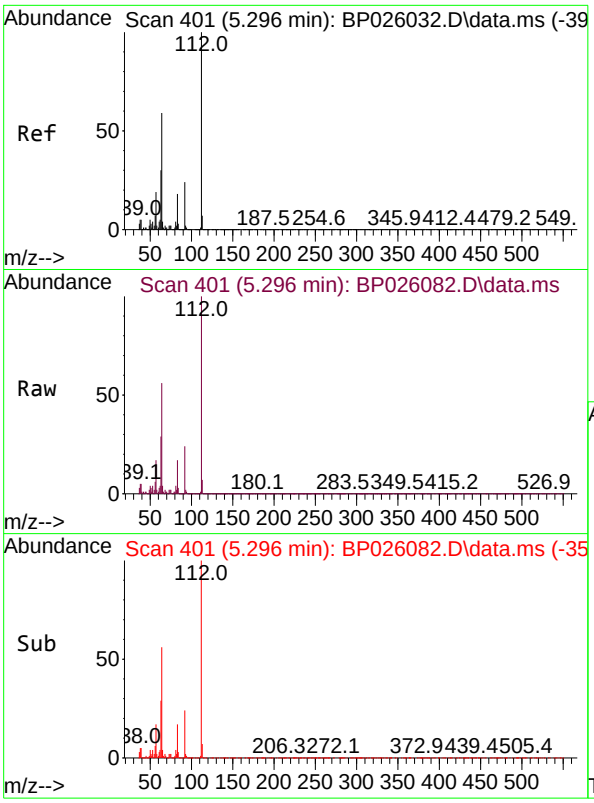


#2
1,4-Dioxane
Concen: 5.744 ng
RT: 3.225 min Scan# 49
Delta R.T. -0.012 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Tgt Ion: 88 Resp: 36187

Ion	Ratio	Lower	Upper
88	100		
58	81.1	65.4	98.0
43	0.0	23.1	34.7#



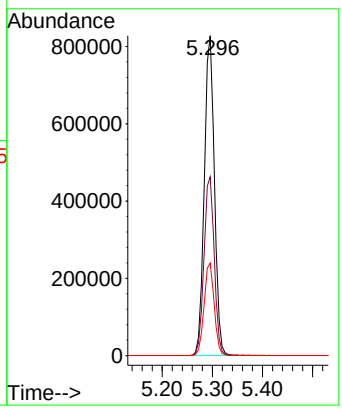


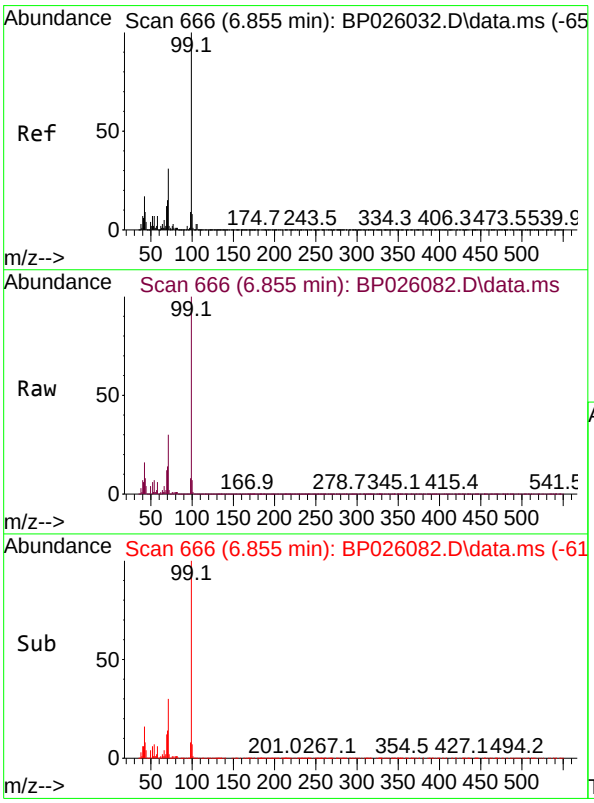
#5
2-Fluorophenol
Concen: 77.820 ng
RT: 5.296 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Instrument :
BNA_P
ClientSampleId :
MW-11

Tgt Ion:112 Resp: 1162965

Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.4	71.2
63	28.9	24.2	36.4

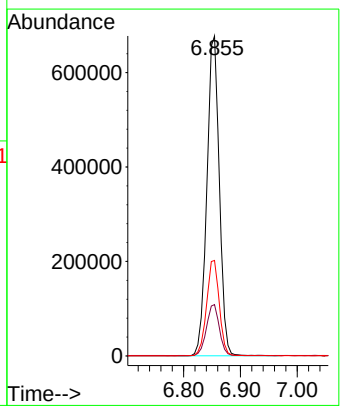


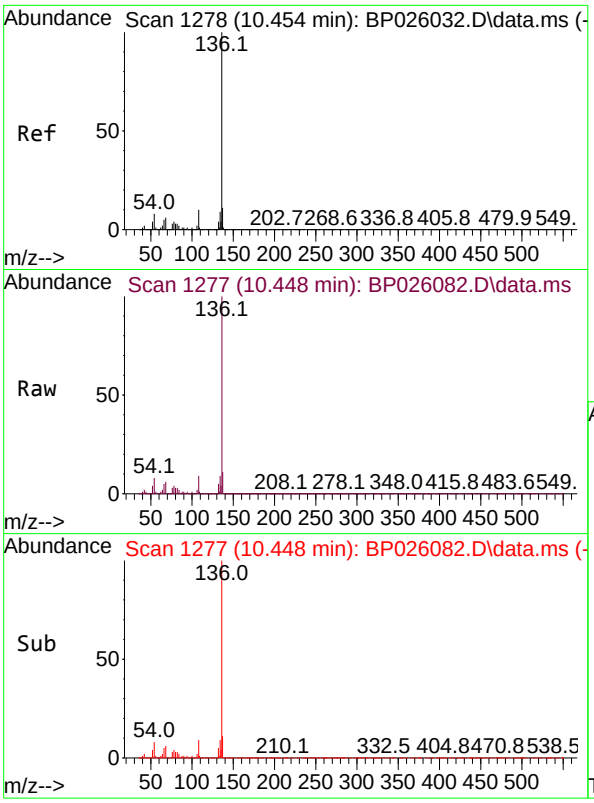


#7
Phenol-d6
Concen: 54.421 ng
RT: 6.855 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Tgt Ion: 99 Resp: 1035158

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.7	20.5
71	29.9	24.4	36.6



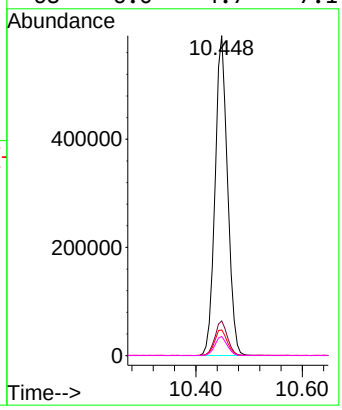


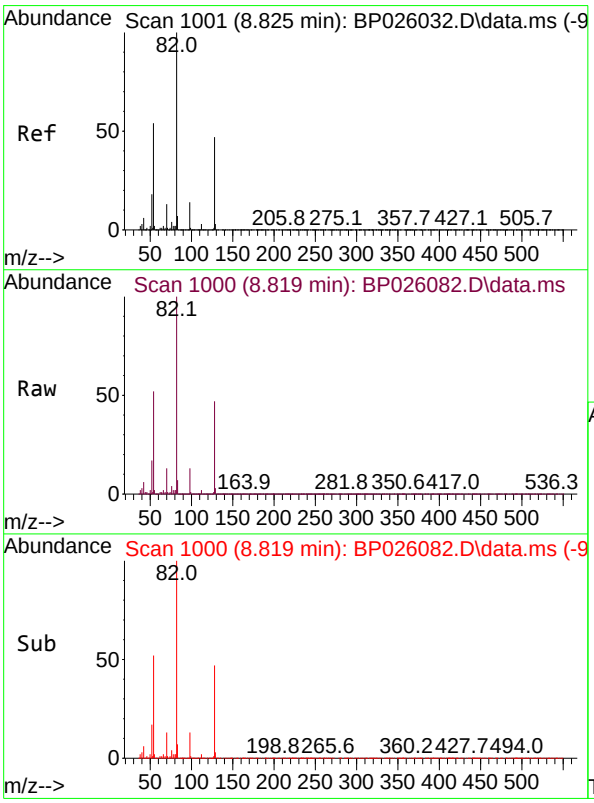
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.448 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Instrument :
BNA_P
ClientSampleId :
MW-11

Tgt Ion:136 Resp: 961848

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.0	6.6	10.0
68	6.0	4.7	7.1

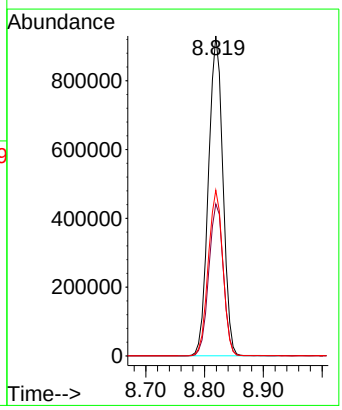


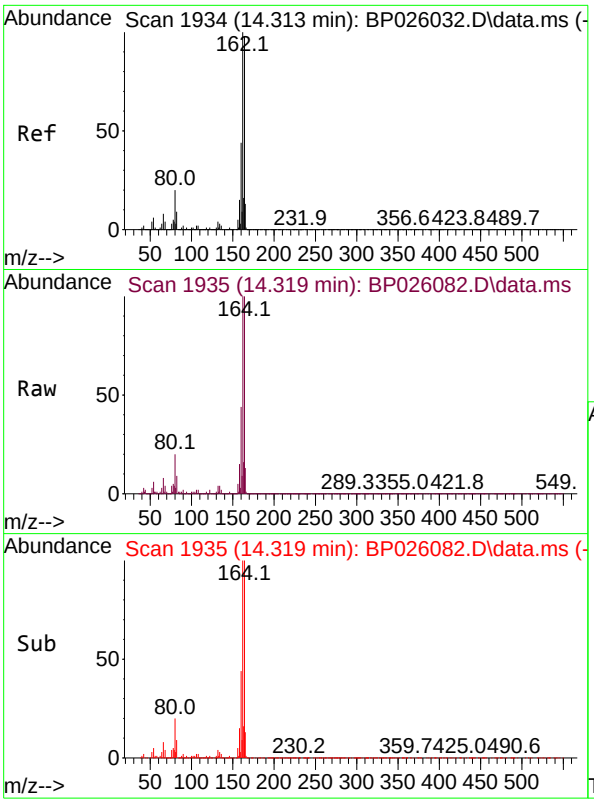


#23
Nitrobenzene-d5
Concen: 103.028 ng
RT: 8.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Tgt Ion: 82 Resp: 1589635

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.4	56.0
54	51.8	42.7	64.1



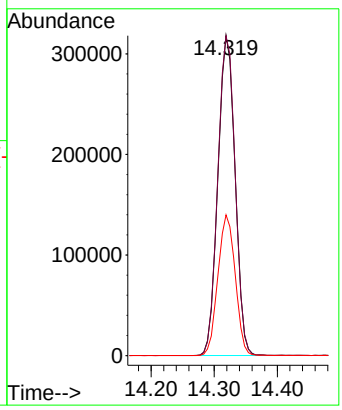


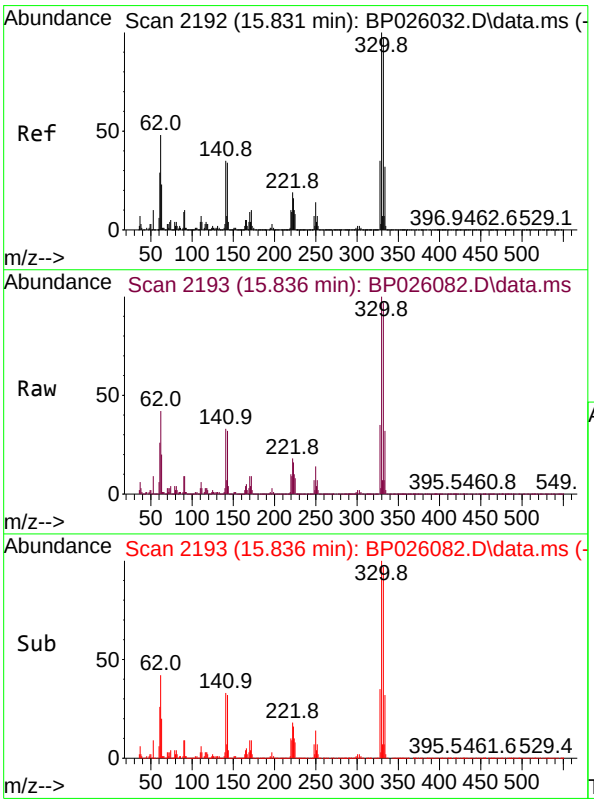
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Instrument :
BNA_P
ClientSampleId :
MW-11

Tgt Ion:164 Resp: 600974

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.5	122.3
160	44.0	36.2	54.4

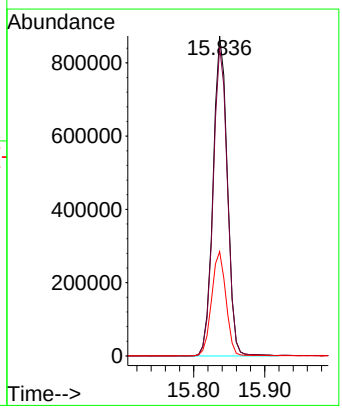


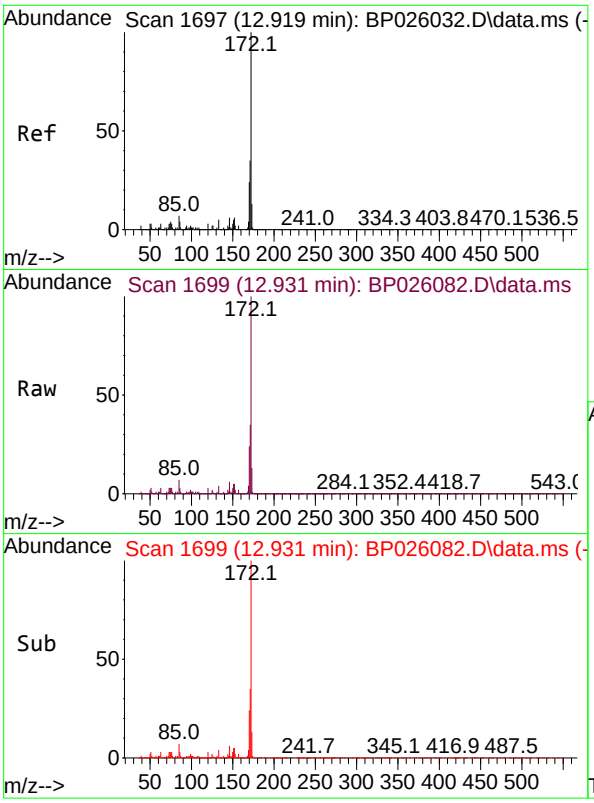


#42
2,4,6-Tribromophenol
Concen: 187.752 ng
RT: 15.836 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Tgt Ion:330 Resp: 1219849

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	32.9	28.6	42.8



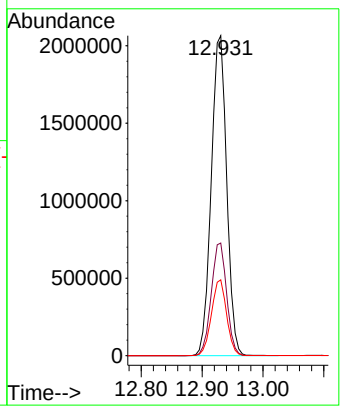


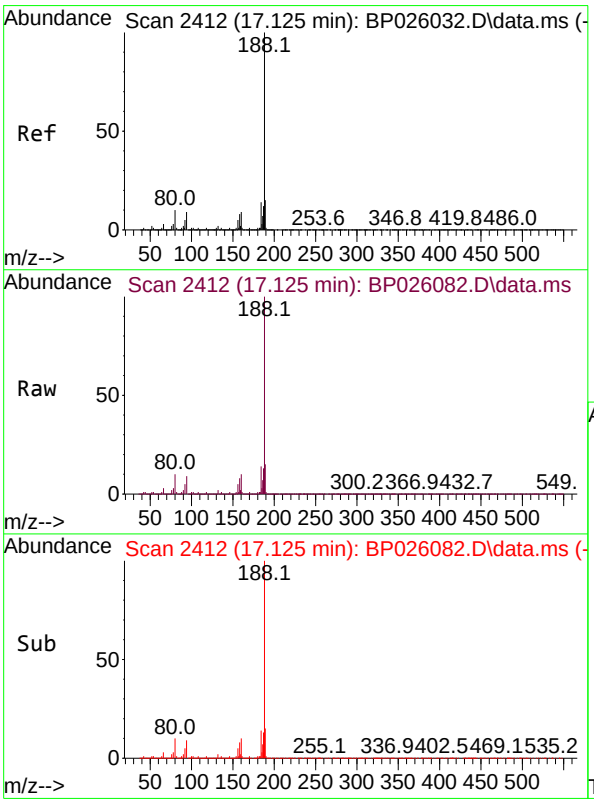
#45
2-Fluorobiphenyl
Concen: 86.902 ng
RT: 12.931 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Instrument :
BNA_P
ClientSampleId :
MW-11

Tgt Ion:172 Resp: 3634552

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.9	41.9
170	23.7	19.0	28.4

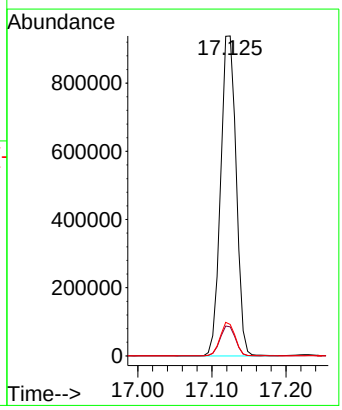


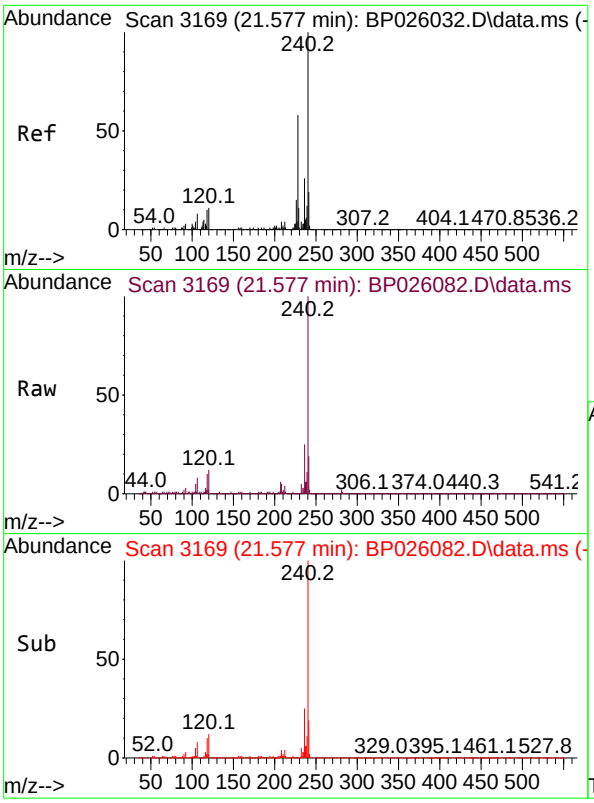


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Tgt Ion:188 Resp: 1364168

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.1	10.7
80	9.8	7.9	11.9



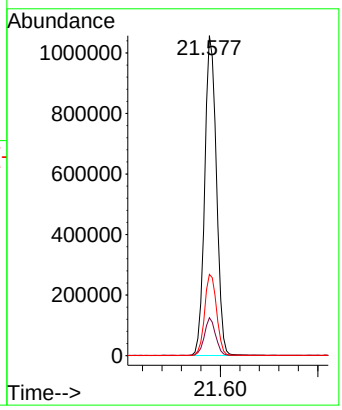


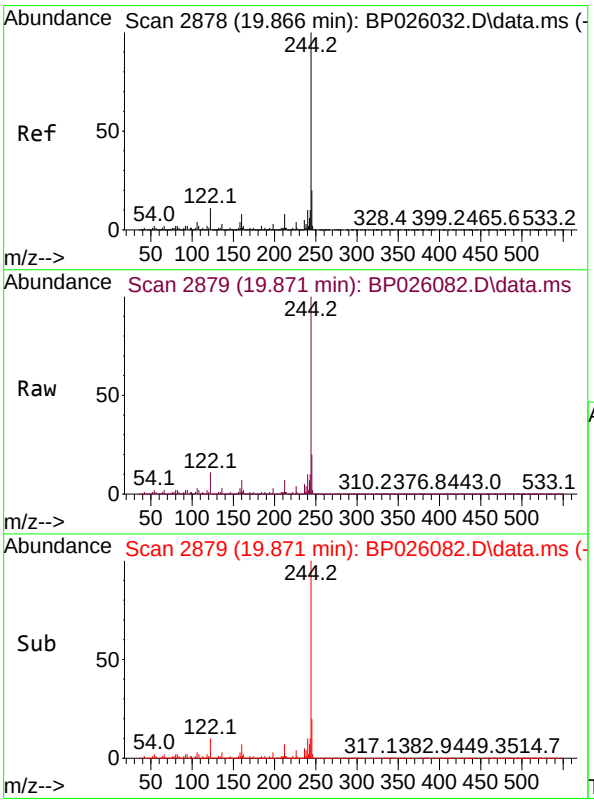
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Instrument :
BNA_P
ClientSampleId :
MW-11

Tgt Ion:240 Resp: 1768109

Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.9	13.3
236	25.4	20.6	31.0

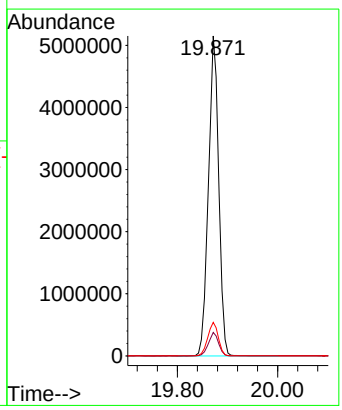


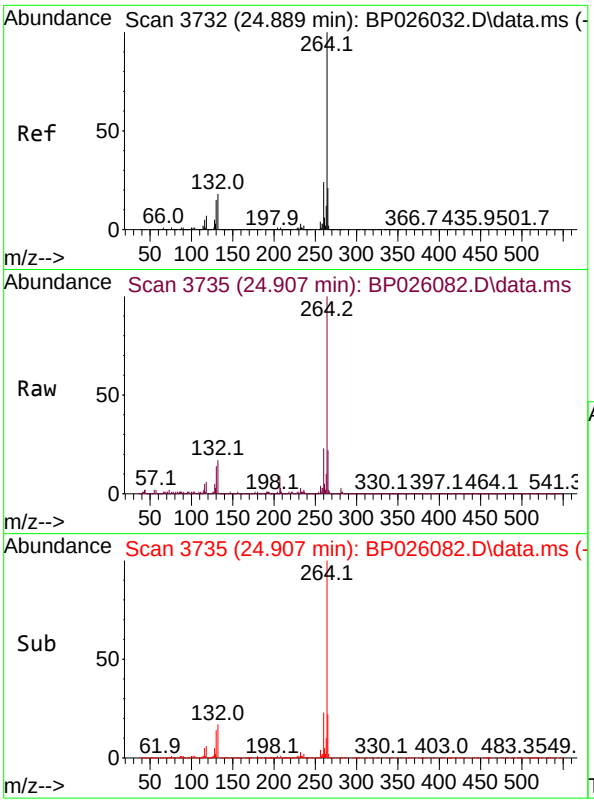


#79
Terphenyl-d14
Concen: 84.172 ng
RT: 19.871 min Scan# 2879
Delta R.T. 0.006 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Tgt Ion:244 Resp: 7325193

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	10.5	9.0	13.6



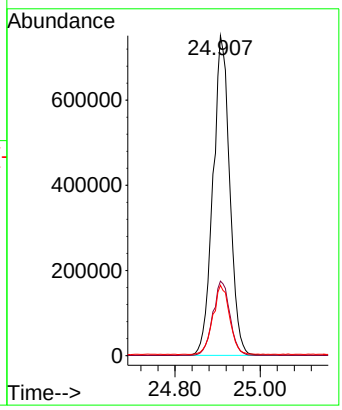


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.907 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP026082.D
Acq: 06 Nov 2025 18:26

Instrument :
BNA_P
ClientSampleId :
MW-11

Tgt Ion:264 Resp: 2046411

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.1	28.7
265	22.0	17.2	25.8



Sample Results: **BP026082.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026082.D
Acq On : 06 Nov 2025 18:26
Operator : RC/JU
Sample : Q3534-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-11

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026082.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.296	394	401	410	rBV	2723733	3852392	19.67%	5.516%
2	6.855	659	666	674	rBV	1797024	2785863	14.23%	3.989%
3	7.678	799	806	813	rBV	918906	1396402	7.13%	2.000%
4	8.819	991	1000	1009	rBV	2742184	4731996	24.16%	6.776%
5	10.448	1269	1277	1287	rVB	1164236	1896637	9.68%	2.716%
6	12.931	1690	1699	1707	rBV	5803413	10218047	52.18%	14.631%
7	14.319	1927	1935	1945	rBV	1314051	2511198	12.82%	3.596%
8	15.836	2186	2193	2212	rBV	6438923	9155436	46.75%	13.110%
9	17.125	2406	2412	2423	rVB2	2263886	3314265	16.92%	4.746%
10	18.083	2570	2575	2586	rBV3	144768	258273	1.32%	0.370%
11	19.871	2872	2879	2886	rBV	13760713	19583722	100.00%	28.042%
12	21.577	3163	3169	3178	rVB2	2860589	4790941	24.46%	6.860%
13	24.907	3727	3735	3748	rVB	1964653	5341210	27.27%	7.648%

Sum of corrected areas: 69836382

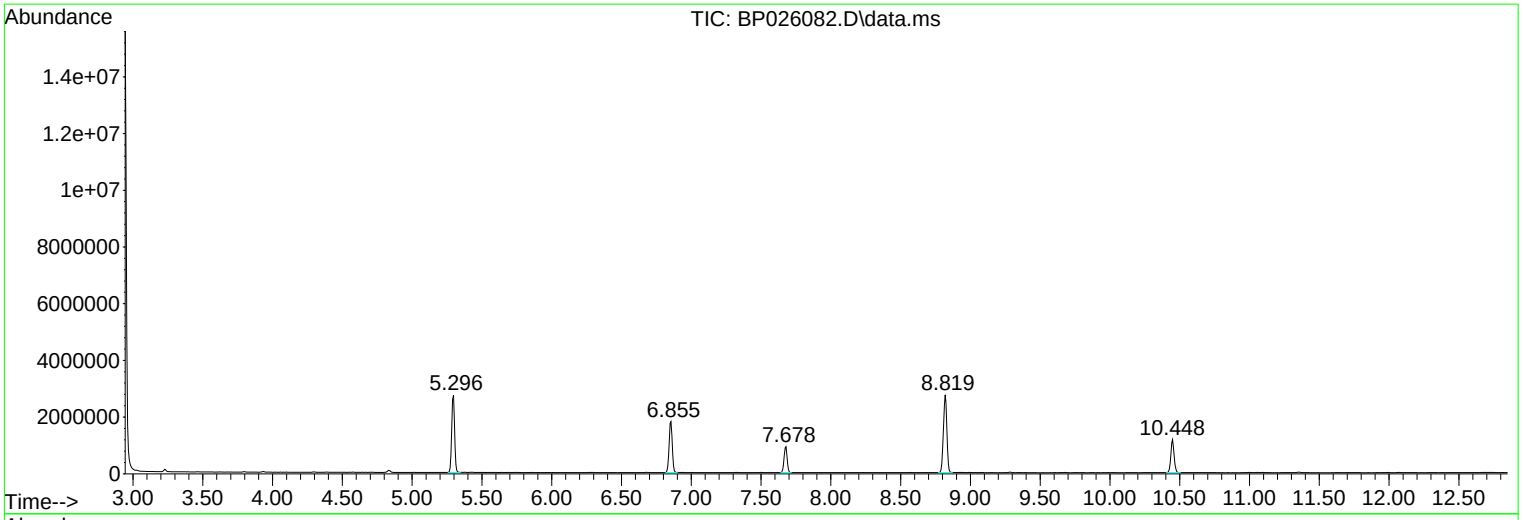
Sample Results: **BP026082.D**

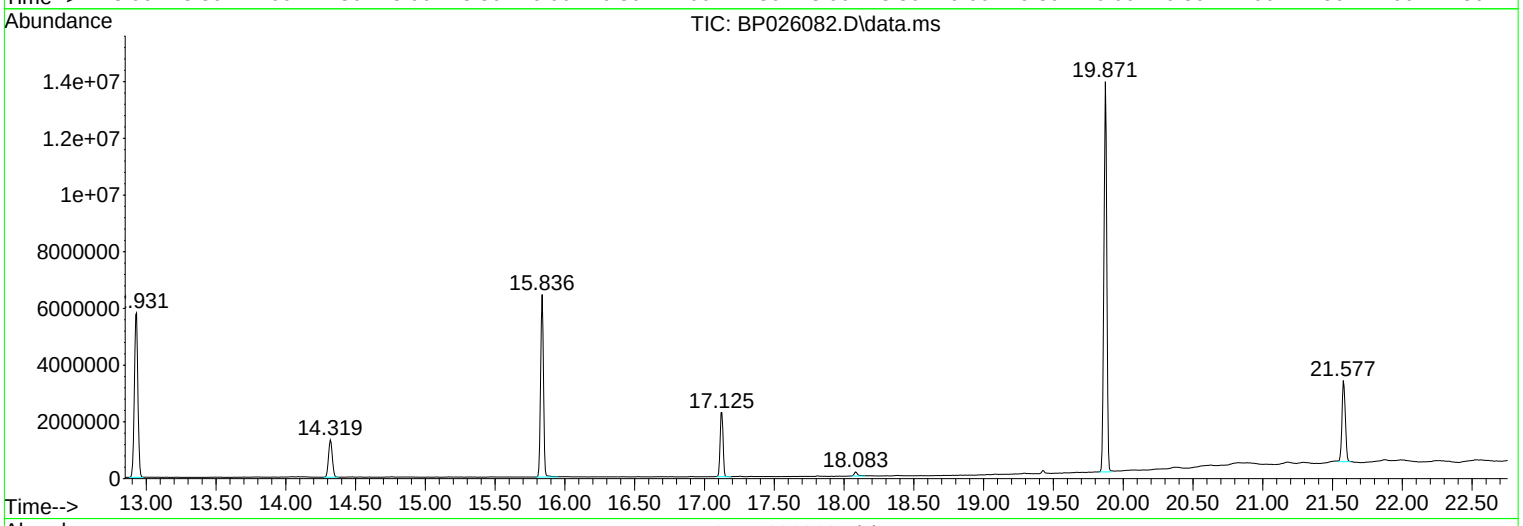
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026082.D
Acq On : 06 Nov 2025 18:26
Operator : RC/JU
Sample : Q3534-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

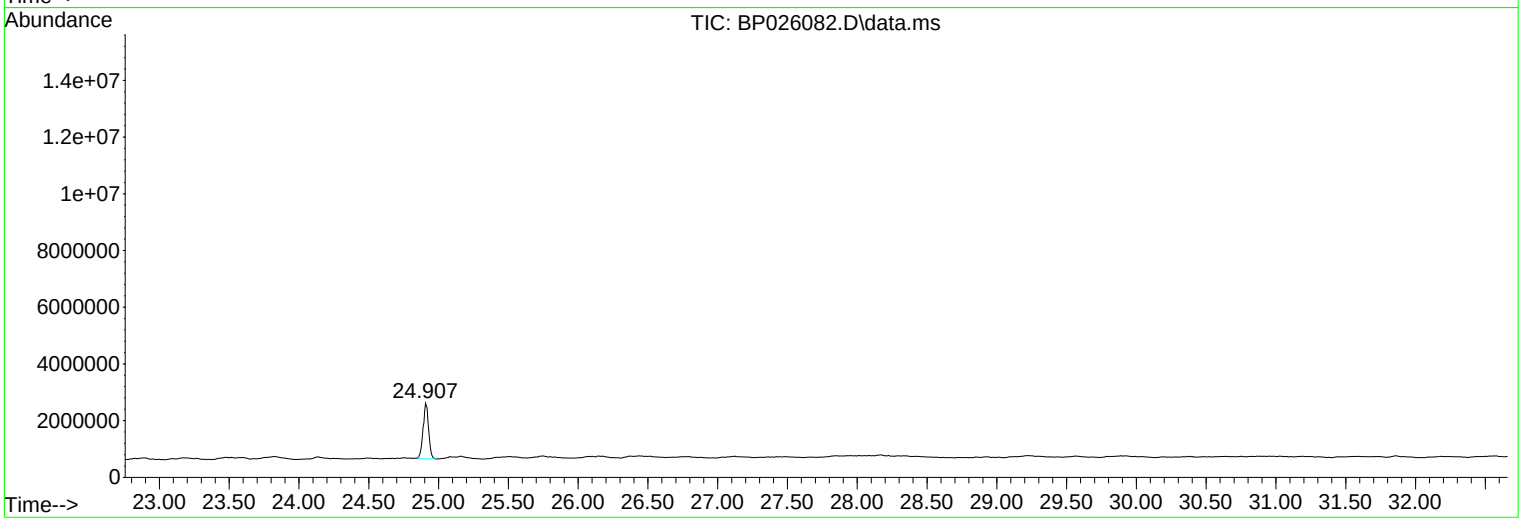
Instrument :
BNA_P
ClientSampleId :
MW-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **BP026082.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026082.D
Acq On : 06 Nov 2025 18:26
Operator : RC/JU
Sample : Q3534-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Sample Results: **BP026082.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026082.D
Acq On : 06 Nov 2025 18:26
Operator : RC/JU
Sample : Q3534-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc

Raw Data: **BP026083.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-5	SDG No.:	Q3534
Lab Sample ID:	Q3534-04	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	950 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	4.10	U	1	4.10	10.5	ug/L	11/06/25 19:07	PB170424
108-95-2	Phenol	0.96	U	1	0.96	5.30	ug/L	11/06/25 19:07	PB170424
111-44-4	bis(2-Chloroethyl)ether	0.85	U	1	0.85	5.30	ug/L	11/06/25 19:07	PB170424
95-57-8	2-Chlorophenol	0.61	U	1	0.61	5.30	ug/L	11/06/25 19:07	PB170424
95-48-7	2-Methylphenol	1.20	U	1	1.20	5.30	ug/L	11/06/25 19:07	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.30	ug/L	11/06/25 19:07	PB170424
98-86-2	Acetophenone	0.78	U	1	0.78	5.30	ug/L	11/06/25 19:07	PB170424
65794-96-9	3+4-Methylphenols	1.20	U	1	1.20	10.5	ug/L	11/06/25 19:07	PB170424
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1	1.50	2.60	ug/L	11/06/25 19:07	PB170424
67-72-1	Hexachloroethane	0.68	U	1	0.68	5.30	ug/L	11/06/25 19:07	PB170424
98-95-3	Nitrobenzene	0.80	U	1	0.80	5.30	ug/L	11/06/25 19:07	PB170424
78-59-1	Isophorone	0.79	U	1	0.79	5.30	ug/L	11/06/25 19:07	PB170424
88-75-5	2-Nitrophenol	1.90	U	1	1.90	5.30	ug/L	11/06/25 19:07	PB170424
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.30	ug/L	11/06/25 19:07	PB170424
111-91-1	bis(2-Chloroethoxy)methane	0.72	U	1	0.72	5.30	ug/L	11/06/25 19:07	PB170424
120-83-2	2,4-Dichlorophenol	0.55	U	1	0.55	5.30	ug/L	11/06/25 19:07	PB170424
91-20-3	Naphthalene	0.53	U	1	0.53	5.30	ug/L	11/06/25 19:07	PB170424
106-47-8	4-Chloroaniline	0.88	UQ	1	0.88	5.30	ug/L	11/06/25 19:07	PB170424
87-68-3	Hexachlorobutadiene	0.57	U	1	0.57	5.30	ug/L	11/06/25 19:07	PB170424
105-60-2	Caprolactam	1.20	U	1	1.20	10.5	ug/L	11/06/25 19:07	PB170424
59-50-7	4-Chloro-3-methylphenol	0.62	U	1	0.62	5.30	ug/L	11/06/25 19:07	PB170424
91-57-6	2-Methylnaphthalene	0.59	U	1	0.59	5.30	ug/L	11/06/25 19:07	PB170424
77-47-4	Hexachlorocyclopentadiene	3.80	U	1	3.80	10.5	ug/L	11/06/25 19:07	PB170424
88-06-2	2,4,6-Trichlorophenol	0.54	U	1	0.54	5.30	ug/L	11/06/25 19:07	PB170424
95-95-4	2,4,5-Trichlorophenol	0.65	U	1	0.65	5.30	ug/L	11/06/25 19:07	PB170424
92-52-4	1,1-Biphenyl	0.56	U	1	0.56	5.30	ug/L	11/06/25 19:07	PB170424
91-58-7	2-Chloronaphthalene	0.64	U	1	0.64	5.30	ug/L	11/06/25 19:07	PB170424
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.30	ug/L	11/06/25 19:07	PB170424
131-11-3	Dimethylphthalate	0.64	U	1	0.64	5.30	ug/L	11/06/25 19:07	PB170424
208-96-8	Acenaphthylene	0.79	U	1	0.79	5.30	ug/L	11/06/25 19:07	PB170424
606-20-2	2,6-Dinitrotoluene	0.97	U	1	0.97	5.30	ug/L	11/06/25 19:07	PB170424
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.30	ug/L	11/06/25 19:07	PB170424
83-32-9	Acenaphthene	0.58	U	1	0.58	5.30	ug/L	11/06/25 19:07	PB170424
51-28-5	2,4-Dinitrophenol	6.30	U	1	6.30	10.5	ug/L	11/06/25 19:07	PB170424
100-02-7	4-Nitrophenol	2.50	U	1	2.50	10.5	ug/L	11/06/25 19:07	PB170424
132-64-9	Dibenzofuran	0.64	U	1	0.64	5.30	ug/L	11/06/25 19:07	PB170424
121-14-2	2,4-Dinitrotoluene	1.30	U	1	1.30	5.30	ug/L	11/06/25 19:07	PB170424
84-66-2	Diethylphthalate	0.73	U	1	0.73	5.30	ug/L	11/06/25 19:07	PB170424
7005-72-3	4-Chlorophenyl-phenylether	0.72	U	1	0.72	5.30	ug/L	11/06/25 19:07	PB170424
86-73-7	Fluorene	0.66	U	1	0.66	5.30	ug/L	11/06/25 19:07	PB170424
100-01-6	4-Nitroaniline	1.60	U	1	1.60	5.30	ug/L	11/06/25 19:07	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	1	3.00	10.5	ug/L	11/06/25 19:07	PB170424

Raw Data: **BP026083.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-5	SDG No.:	Q3534
Lab Sample ID:	Q3534-04	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	950 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.61	U	1	0.61	5.30	ug/L	11/06/25 19:07	PB170424
101-55-3	4-Bromophenyl-phenylether	0.42	U	1	0.42	5.30	ug/L	11/06/25 19:07	PB170424
118-74-1	Hexachlorobenzene	0.55	U	1	0.55	5.30	ug/L	11/06/25 19:07	PB170424
1912-24-9	Atrazine	1.10	U	1	1.10	5.30	ug/L	11/06/25 19:07	PB170424
87-86-5	Pentachlorophenol	1.70	U	1	1.70	10.5	ug/L	11/06/25 19:07	PB170424
85-01-8	Phenanthrene	0.53	U	1	0.53	5.30	ug/L	11/06/25 19:07	PB170424
120-12-7	Anthracene	0.64	U	1	0.64	5.30	ug/L	11/06/25 19:07	PB170424
86-74-8	Carbazole	0.76	U	1	0.76	5.30	ug/L	11/06/25 19:07	PB170424
84-74-2	Di-n-butylphthalate	1.30	U	1	1.30	5.30	ug/L	11/06/25 19:07	PB170424
206-44-0	Fluoranthene	0.86	U	1	0.86	5.30	ug/L	11/06/25 19:07	PB170424
129-00-0	Pyrene	0.53	U	1	0.53	5.30	ug/L	11/06/25 19:07	PB170424
85-68-7	Butylbenzylphthalate	2.00	U	1	2.00	5.30	ug/L	11/06/25 19:07	PB170424
91-94-1	3,3-Dichlorobenzidine	0.98	U	1	0.98	10.5	ug/L	11/06/25 19:07	PB170424
56-55-3	Benzo(a)anthracene	0.47	U	1	0.47	5.30	ug/L	11/06/25 19:07	PB170424
218-01-9	Chrysene	0.46	U	1	0.46	5.30	ug/L	11/06/25 19:07	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	3.00	J	1	1.70	5.30	ug/L	11/06/25 19:07	PB170424
117-84-0	Di-n-octyl phthalate	2.50	U	1	2.50	10.5	ug/L	11/06/25 19:07	PB170424
205-99-2	Benzo(b)fluoranthene	0.52	U	1	0.52	5.30	ug/L	11/06/25 19:07	PB170424
207-08-9	Benzo(k)fluoranthene	0.51	U	1	0.51	5.30	ug/L	11/06/25 19:07	PB170424
50-32-8	Benzo(a)pyrene	0.58	U	1	0.58	5.30	ug/L	11/06/25 19:07	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	0.62	U	1	0.62	5.30	ug/L	11/06/25 19:07	PB170424
53-70-3	Dibenzo(a,h)anthracene	0.71	U	1	0.71	5.30	ug/L	11/06/25 19:07	PB170424
191-24-2	Benzo(g,h,i)perylene	0.73	U	1	0.73	5.30	ug/L	11/06/25 19:07	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	0.55	U	1	0.55	5.30	ug/L	11/06/25 19:07	PB170424
123-91-1	1,4-Dioxane	3.90	J	1	1.10	5.30	ug/L	11/06/25 19:07	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	0.76	U	1	0.76	5.30	ug/L	11/06/25 19:07	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	75.0			15 (23) - 110 (138)	50%	SPK: 150		
13127-88-3	Phenol-d6	48.2			15 (10) - 110 (134)	32%	SPK: 150		
4165-60-0	Nitrobenzene-d5	102			30 (67) - 130 (132)	102%	SPK: 100		
321-60-8	2-Fluorobiphenyl	85.7			30 (52) - 130 (132)	86%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	174	*		15 (44) - 110 (137)	116%	SPK: 150		
1718-51-0	Terphenyl-d14	91.4			30 (42) - 130 (152)	91%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	318000							
1146-65-2	Naphthalene-d8	1280000							
15067-26-2	Acenaphthene-d10	830000							
1517-22-2	Phenanthrene-d10	1660000							
1719-03-5	Chrysene-d12	1730000							
1520-96-3	Perylene-d12	2000000							
TENTATIVE IDENTIFIED COMPOUNDS									
000098-73-7	Benzoic acid, p-tert-butyl-	3.80	J			14.1	ug/L		
000119-61-9	Benzophenone	4.60	J			15.7	ug/L		

Raw Data: **BP026083.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-5	SDG No.:	Q3534
Lab Sample ID:	Q3534-04	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	950 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-43-2	Amobarbital	19.5	J			16.4	ug/L		
000057-10-3	n-Hexadecanoic acid	4.50	J			18.1	ug/L		
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	2.30	J			19.7	ug/L		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **BP026083.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026083.D
Acq On : 06 Nov 2025 19:07
Operator : RC/JU
Sample : Q3534-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-5

Quant Time: Nov 07 01:01:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	318473	20.000	ng	-0.01
21) Naphthalene-d8	10.449	136	1283462	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	829933	20.000	ng	0.00
64) Phenanthrene-d10	17.137	188	1657805	20.000	ng	0.01
76) Chrysene-d12	21.583	240	1728941	20.000	ng	0.02
86) Perylene-d12	24.901	264	2004698	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.290	112	1447269	74.987	ng	0.00
7) Phenol-d6	6.849	99	1183337	48.171	ng	0.00
23) Nitrobenzene-d5	8.819	82	2092316	101.627	ng	0.00
42) 2,4,6-Tribromophenol	15.842	330	1557099	173.543	ng	0.01
45) 2-Fluorobiphenyl	12.925	172	4951321	85.726	ng	0.00
79) Terphenyl-d14	19.872	244	7779259	91.414	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.231	88	30263	3.719	ng	# 83
32) Benzoic acid	9.672	122	6394	3.854	ng	95
84) Bis(2-ethylhexyl)phtha...	21.530	149	20473	2.875	ng	# 90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

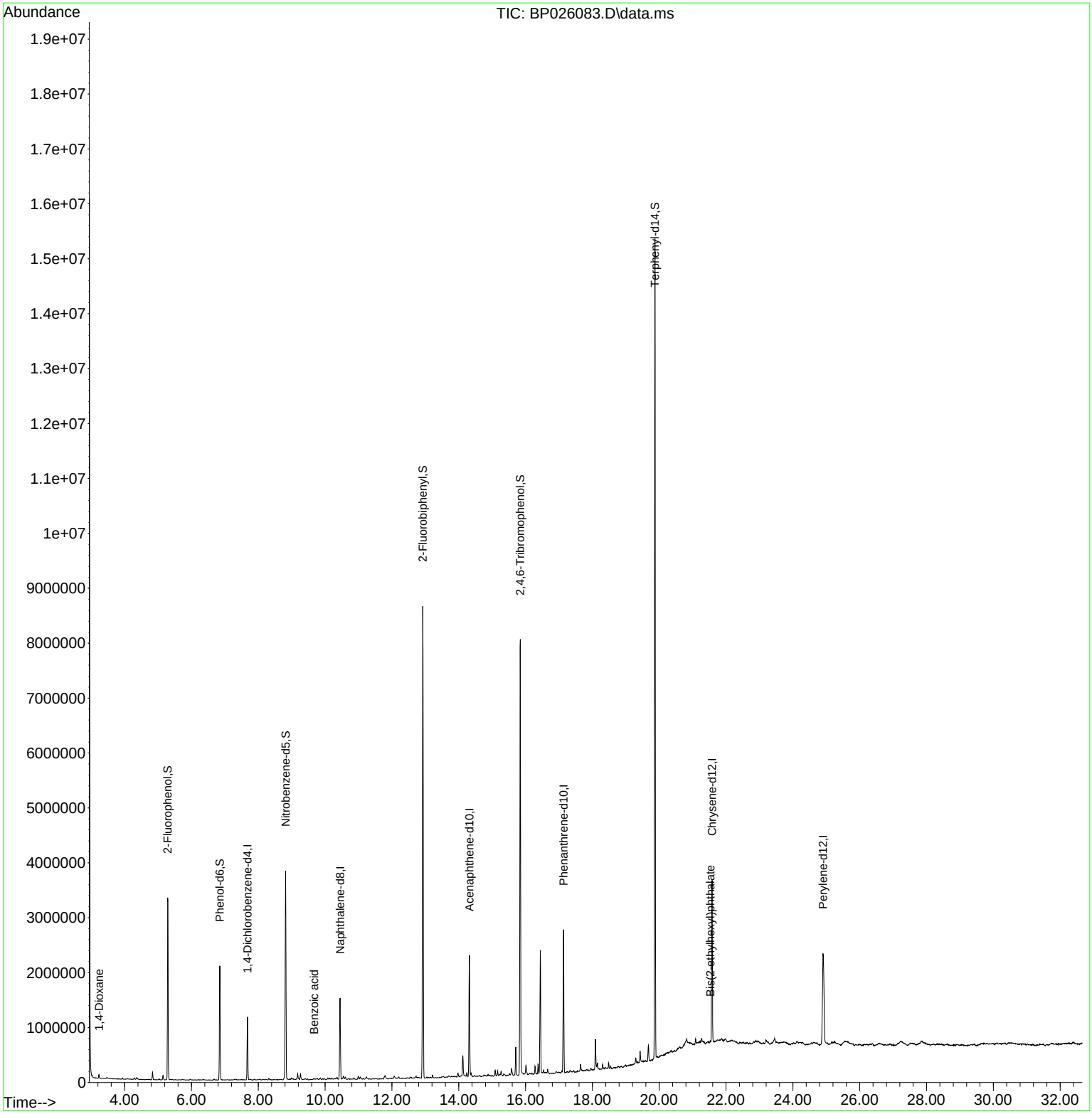
Quantitation Report (LSC Reviewed)

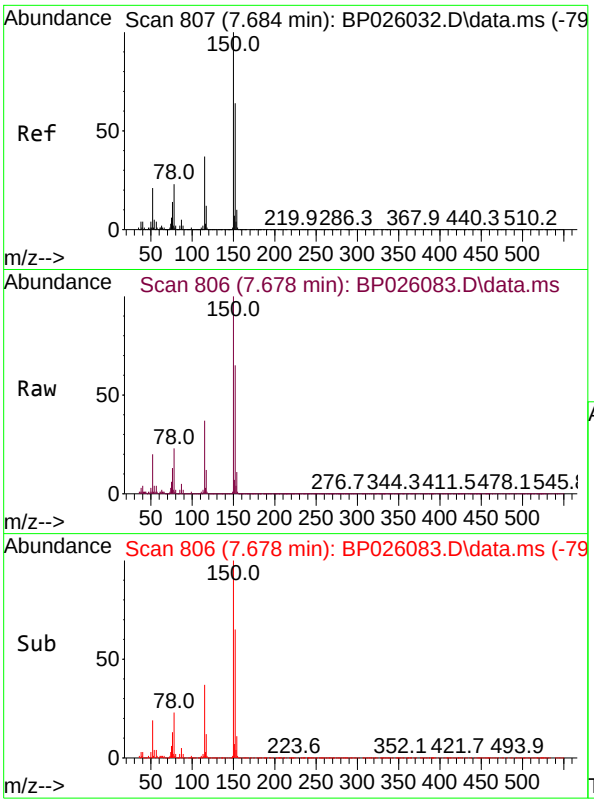
Sample Results: **BP026083.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026083.D
Acq On : 06 Nov 2025 19:07
Operator : RC/JU
Sample : Q3534-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-5

Quant Time: Nov 07 01:01:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



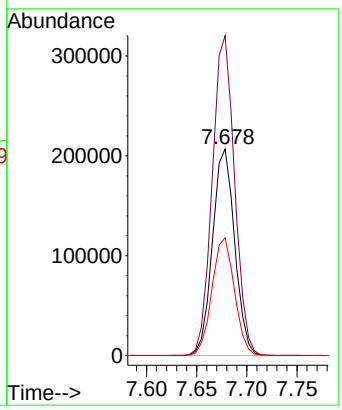


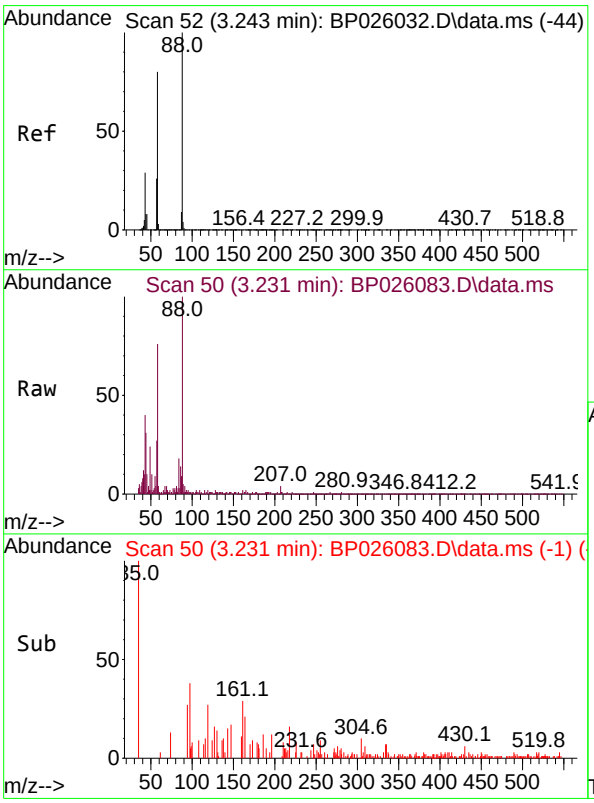
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Instrument :
BNA_P
ClientSampleId :
MW-5

Tgt Ion:152 Resp: 318473

Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.7	188.5
115	57.0	46.4	69.6

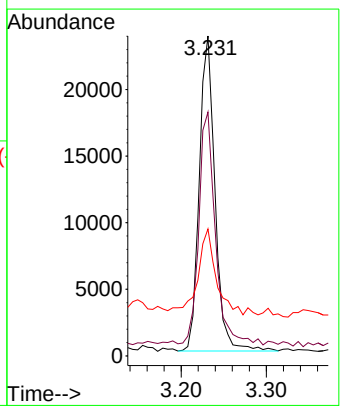


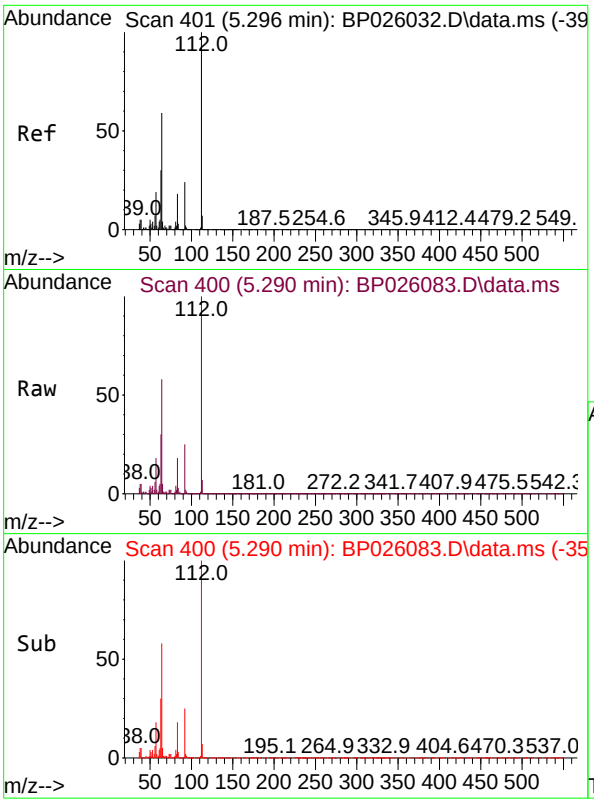


#2
1,4-Dioxane
Concen: 3.719 ng
RT: 3.231 min Scan# 50
Delta R.T. -0.006 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Tgt Ion: 88 Resp: 30263

Ion	Ratio	Lower	Upper
88	100		
58	78.5	65.4	98.0
43	0.0	23.1	34.7#



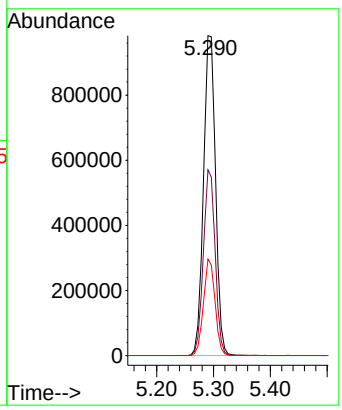


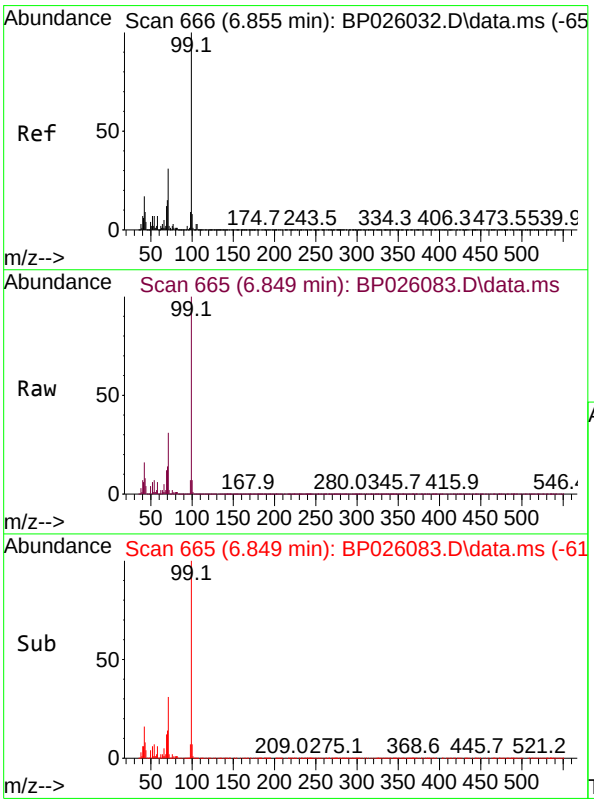
#5
2-Fluorophenol
Concen: 74.987 ng
RT: 5.290 min Scan# 40
Delta R.T. -0.006 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Instrument :
BNA_P
ClientSampleId :
MW-5

Tgt Ion:112 Resp: 1447269

Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.4	71.2
63	30.1	24.2	36.4

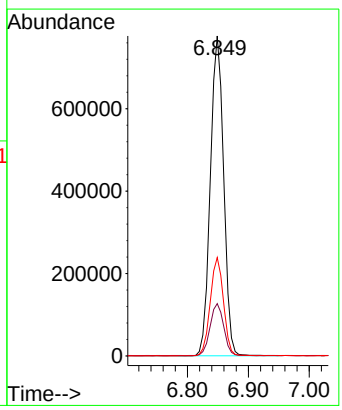


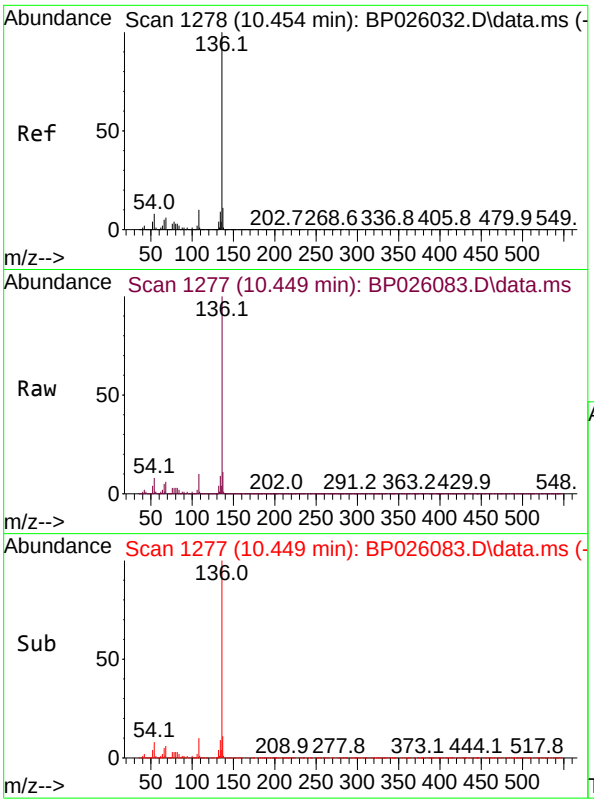


#7
Phenol-d6
Concen: 48.171 ng
RT: 6.849 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Tgt Ion: 99 Resp: 1183337

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.7	20.5
71	30.7	24.4	36.6



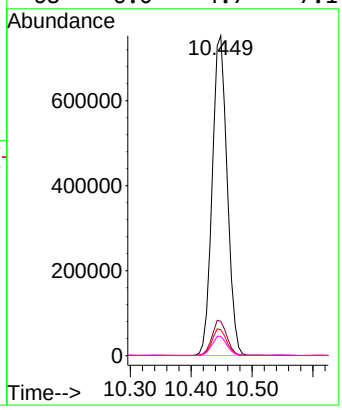


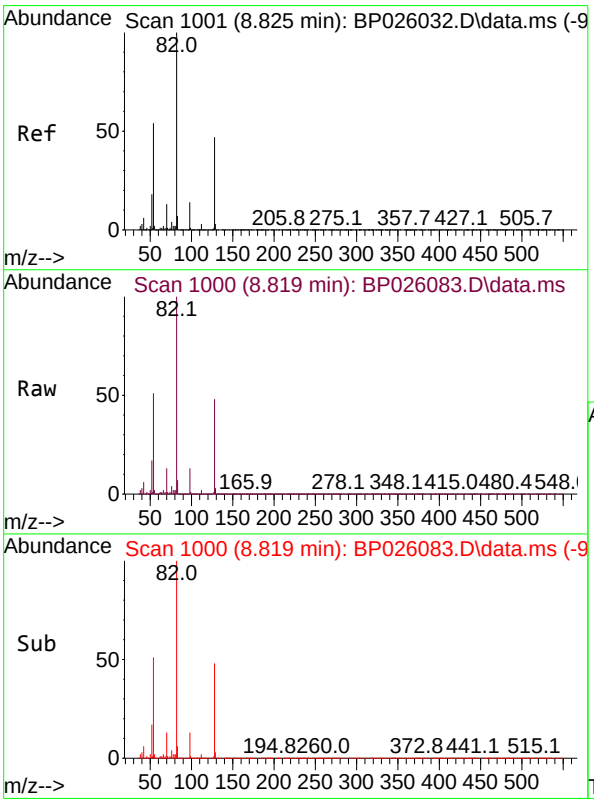
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Instrument :
BNA_P
ClientSampleId :
MW-5

Tgt Ion:136 Resp: 1283462

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.1	6.6	10.0
68	6.0	4.7	7.1

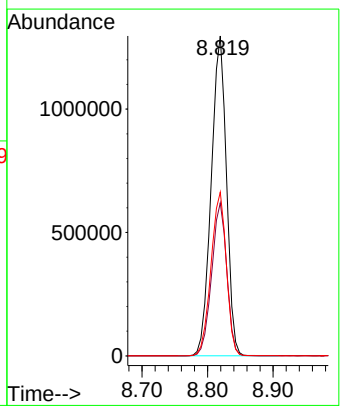


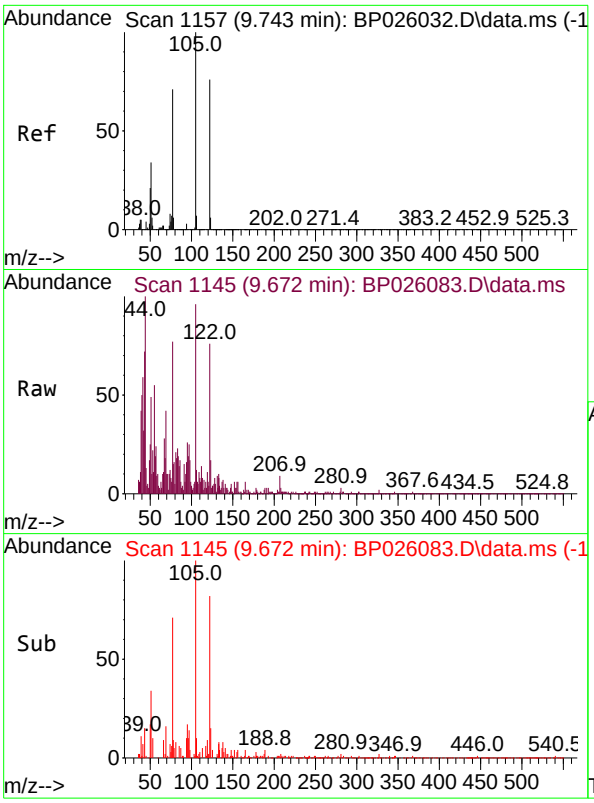


#23
Nitrobenzene-d5
Concen: 101.627 ng
RT: 8.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Tgt Ion: 82 Resp: 2092316

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.4	56.0
54	51.2	42.7	64.1



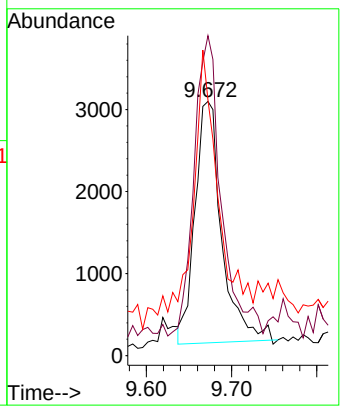


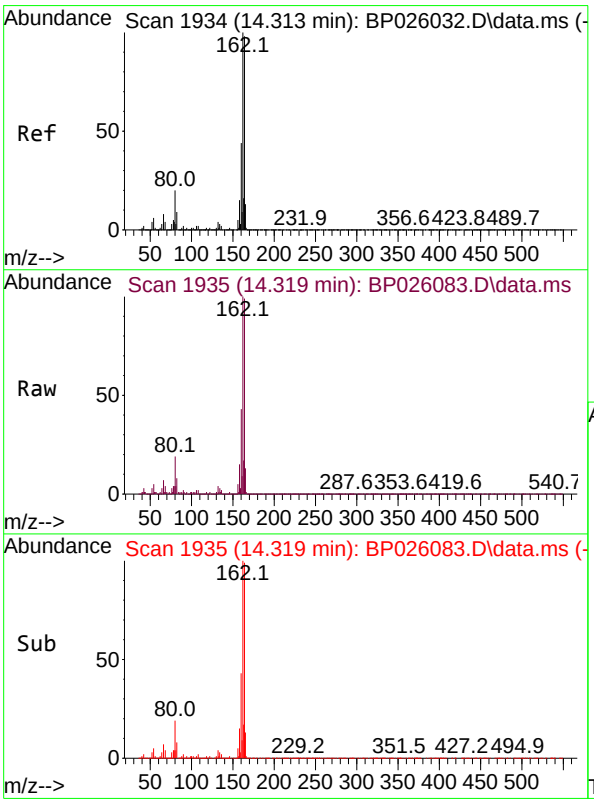
#32
Benzoic acid
Concen: 3.854 ng
RT: 9.672 min Scan# 1
Delta R.T. -0.106 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Instrument :
BNA_P
ClientSampleId :
MW-5

Tgt Ion:122 Resp: 6394

Ion	Ratio	Lower	Upper
122	100		
105	125.9	104.8	144.8
77	100.5	70.9	110.9

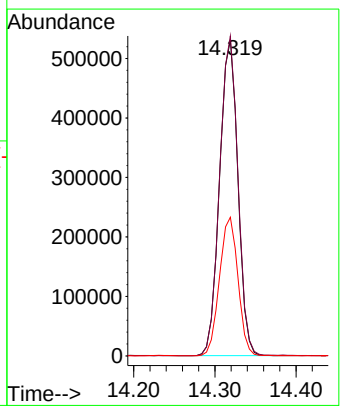


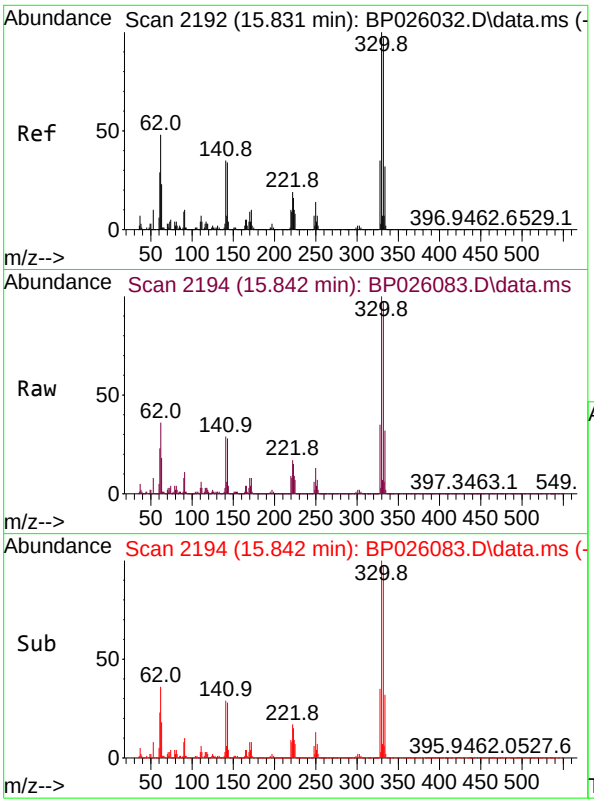


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Tgt Ion:164 Resp: 829933

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.5	122.3
160	43.9	36.2	54.4



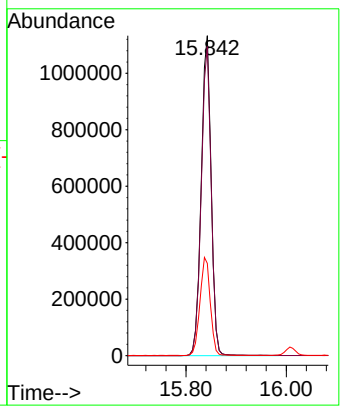


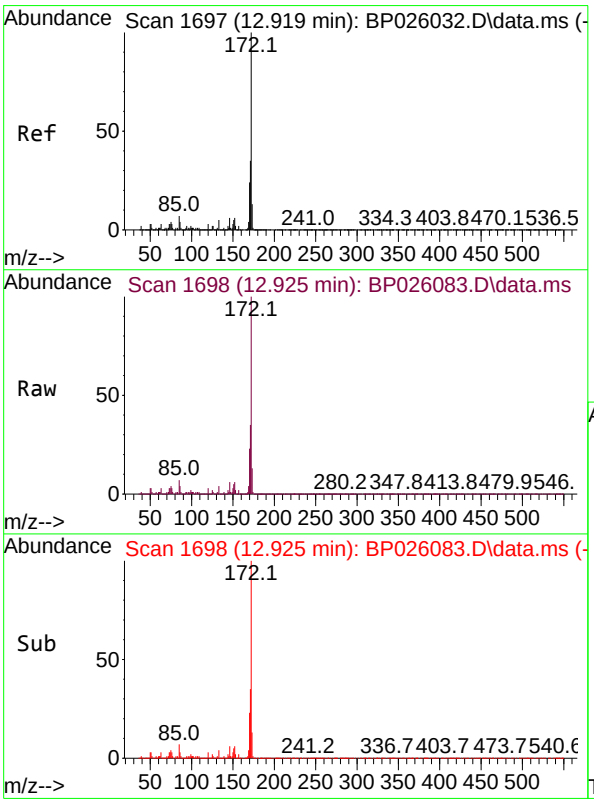
#42
2,4,6-Tribromophenol
Concen: 173.543 ng
RT: 15.842 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Instrument :
BNA_P
ClientSampleId :
MW-5

Tgt Ion:330 Resp: 1557099

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	32.1	28.6	42.8

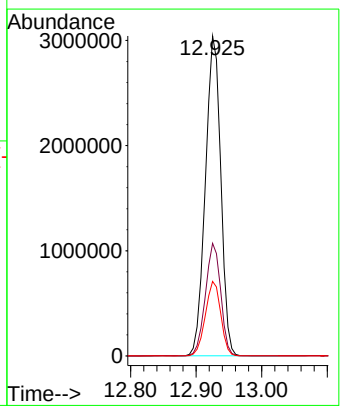


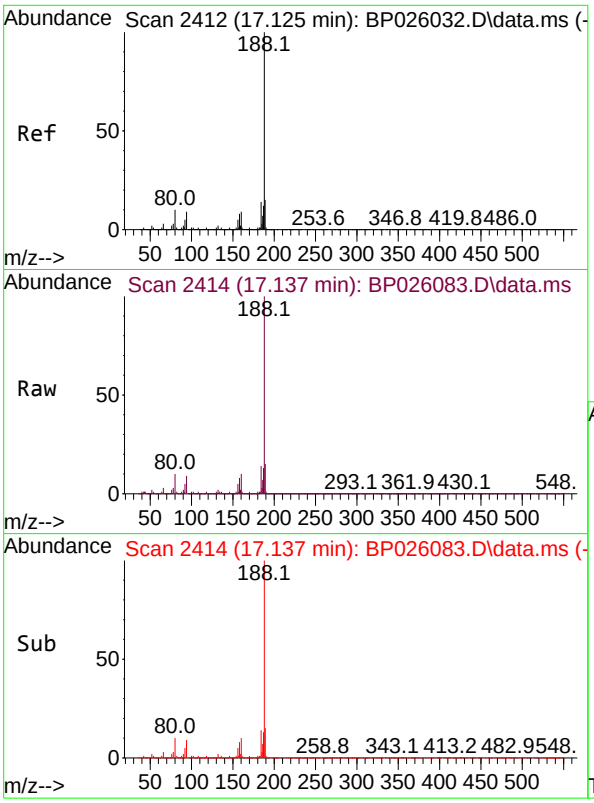


#45
2-Fluorobiphenyl
Concen: 85.726 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Tgt Ion:172 Resp: 4951321

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.9	41.9
170	23.3	19.0	28.4



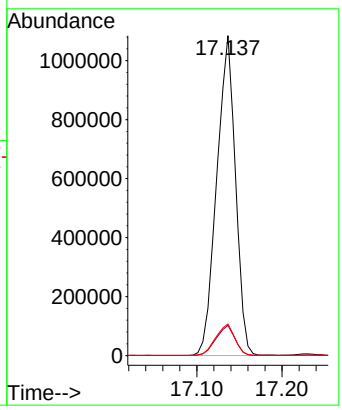


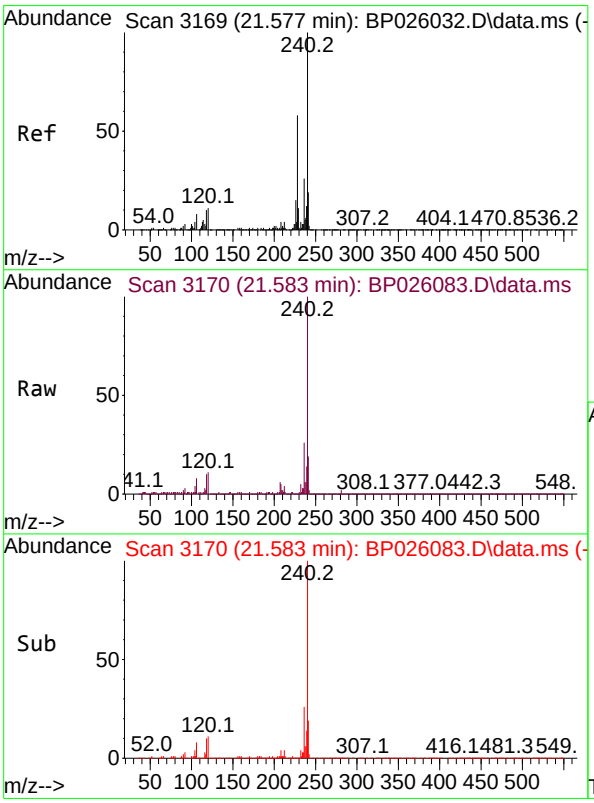
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.137 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Instrument :
BNA_P
ClientSampleId :
MW-5

Tgt Ion:188 Resp: 1657805

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.1	10.7
80	9.9	7.9	11.9

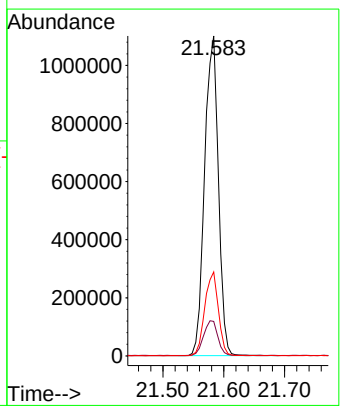


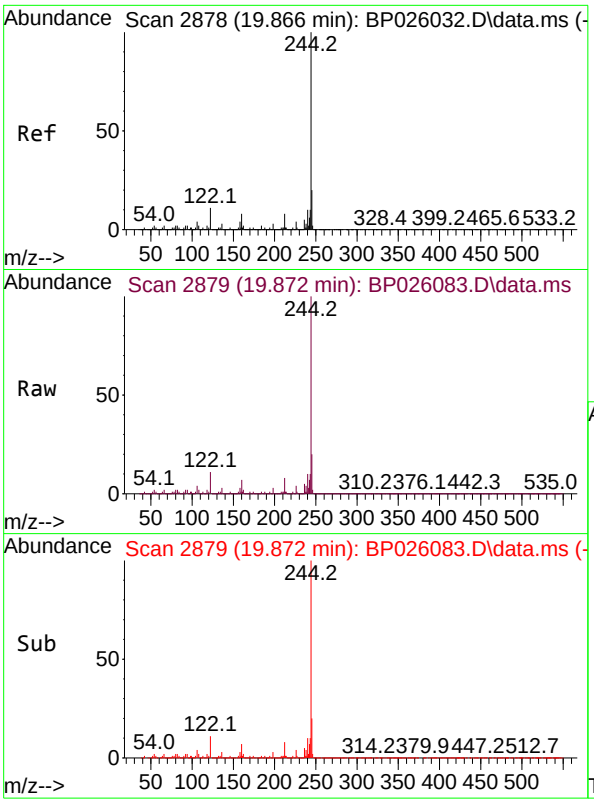


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.018 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Tgt Ion:240 Resp: 1728941

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	26.2	20.6	31.0



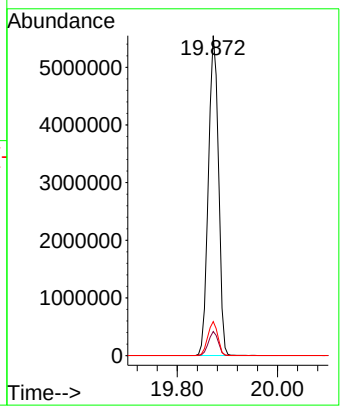


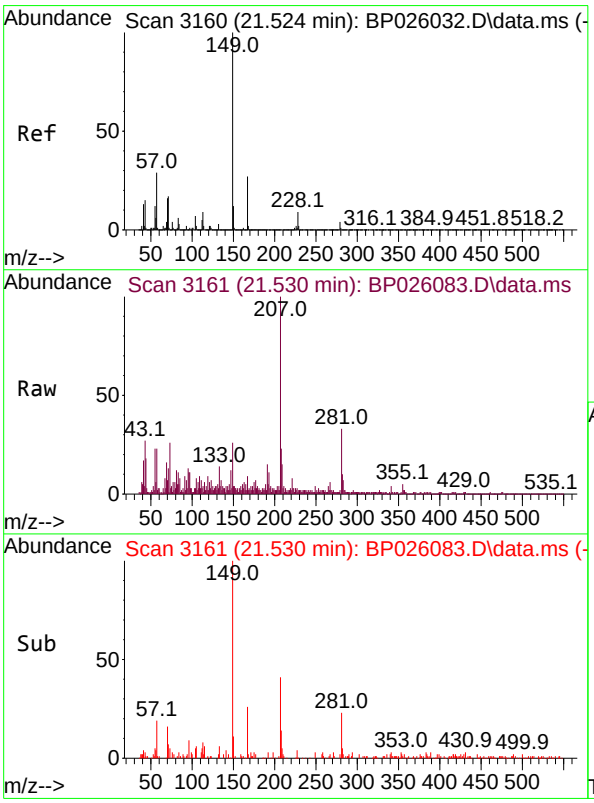
#79
Terphenyl-d14
Concen: 91.414 ng
RT: 19.872 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Instrument :
BNA_P
ClientSampleId :
MW-5

Tgt Ion:244 Resp: 7779259

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	10.6	9.0	13.6

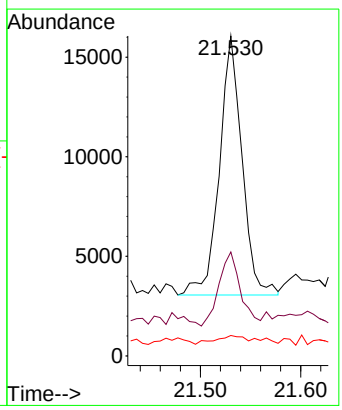


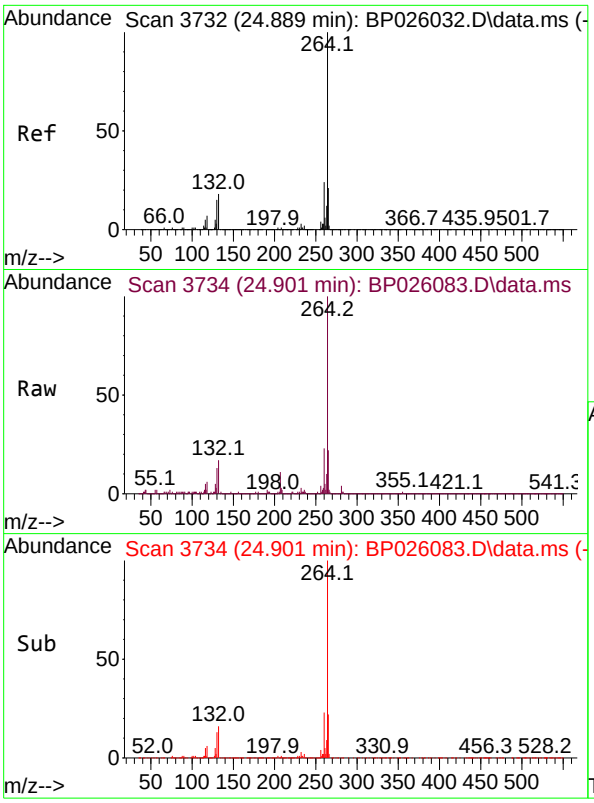


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.875 ng
RT: 21.530 min Scan# 3161
Delta R.T. 0.012 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Tgt Ion:149 Resp: 20473

Ion	Ratio	Lower	Upper
149	100		
167	32.5	21.5	32.3#
279	6.4	3.0	4.6#



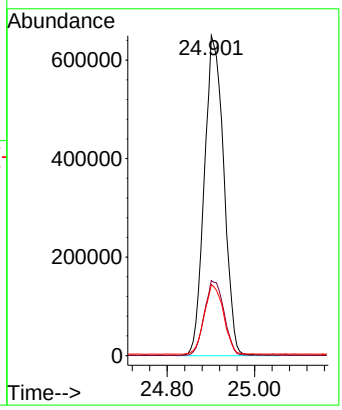


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.901 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026083.D
Acq: 06 Nov 2025 19:07

Instrument :
BNA_P
ClientSampleId :
MW-5

Tgt Ion:264 Resp: 2004698

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	22.2	17.2	25.8



Sample Results: **BP026083.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026083.D
Acq On : 06 Nov 2025 19:07
Operator : RC/JU
Sample : Q3534-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026083.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.290	394	400	409	rBV	3314898	4814663	23.24%	5.360%
2	6.849	657	665	673	rBV	2078612	3214541	15.52%	3.578%
3	7.678	799	806	813	rBV	1145764	1787867	8.63%	1.990%
4	8.819	992	1000	1011	rVB	3798951	6178665	29.82%	6.878%
5	10.449	1267	1277	1284	rBV	1477820	2547227	12.29%	2.836%
6	12.925	1690	1698	1707	rBV	8598422	13887928	67.03%	15.460%
7	14.119	1896	1901	1910	rBV	367878	629270	3.04%	0.701%
8	14.319	1928	1935	1941	rBV	2210208	3511643	16.95%	3.909%
9	15.578	2145	2149	2159	rVB	122249	232138	1.12%	0.258%
10	15.707	2165	2171	2179	rVB	512463	760107	3.67%	0.846%
11	15.842	2187	2194	2204	rBV	7932303	11931932	57.59%	13.283%
12	16.013	2218	2223	2231	rVB4	170162	318769	1.54%	0.355%
13	16.372	2280	2284	2289	rBV2	172534	245252	1.18%	0.273%
14	16.442	2289	2296	2308	rBV	2245147	3722799	17.97%	4.144%
15	17.137	2407	2414	2421	rVB	2605411	4026399	19.43%	4.482%
16	18.089	2571	2576	2583	rBV	547837	858206	4.14%	0.955%
17	19.425	2800	2803	2813	rBV	199666	311143	1.50%	0.346%
18	19.678	2841	2846	2853	rBV	292361	486838	2.35%	0.542%
19	19.872	2873	2879	2885	rBV	14921848	20718032	100.00%	23.063%
20	21.583	3164	3170	3176	rVB	2932573	4531390	21.87%	5.044%
21	24.901	3727	3734	3753	rVB	1636197	5116484	24.70%	5.696%

Sum of corrected areas: 89831293

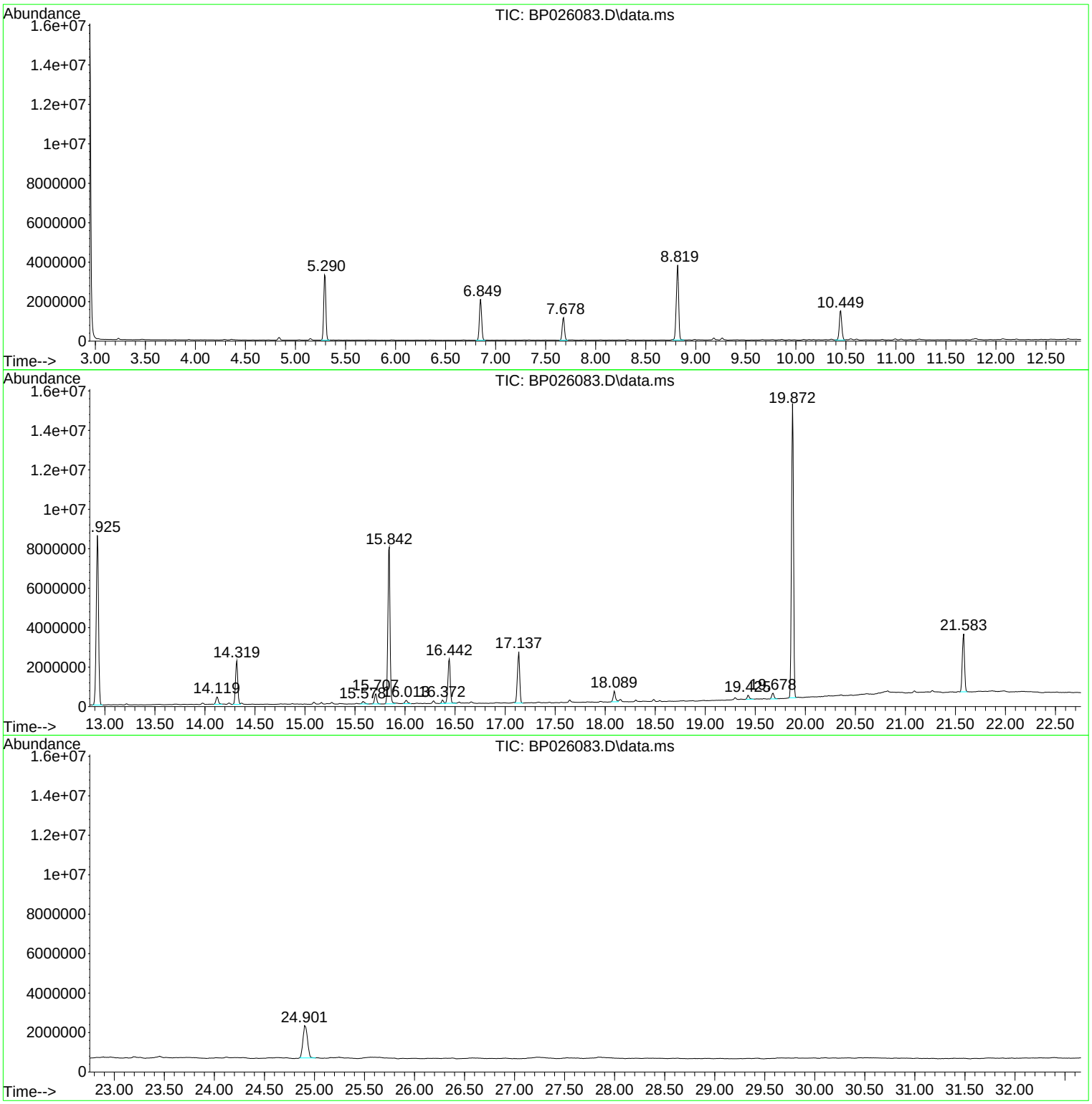
Sample Results: **BP026083.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026083.D
Acq On : 06 Nov 2025 19:07
Operator : RC/JU
Sample : Q3534-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **BP026083.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026083.D
Acq On : 06 Nov 2025 19:07
Operator : RC/JU
Sample : Q3534-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

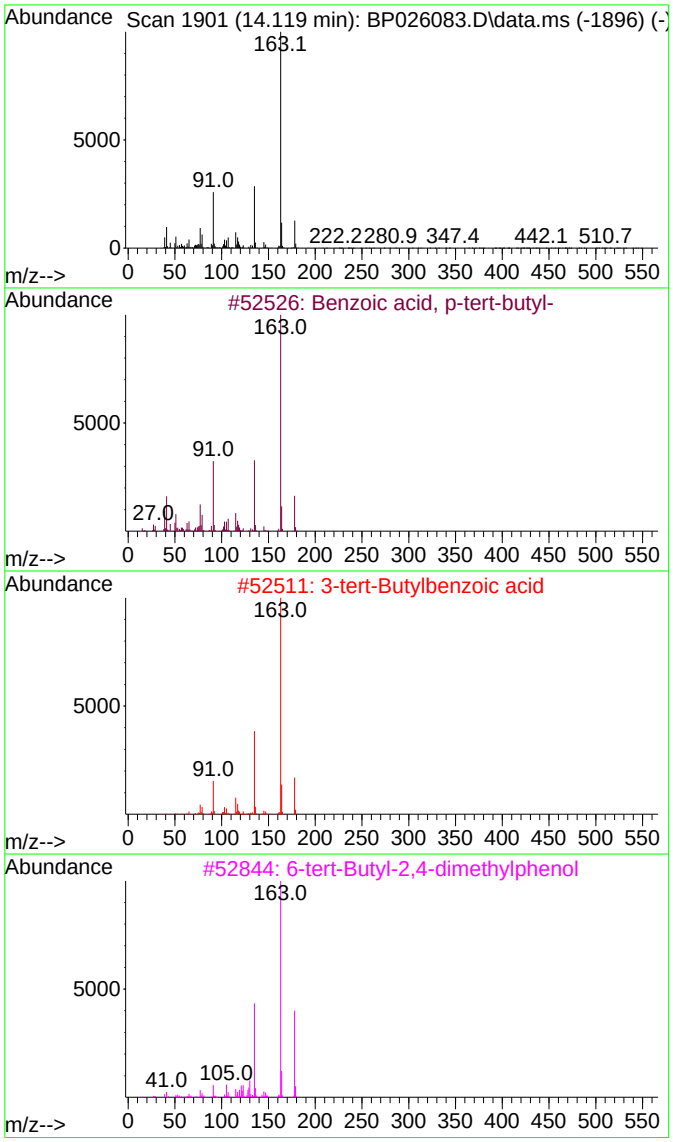
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

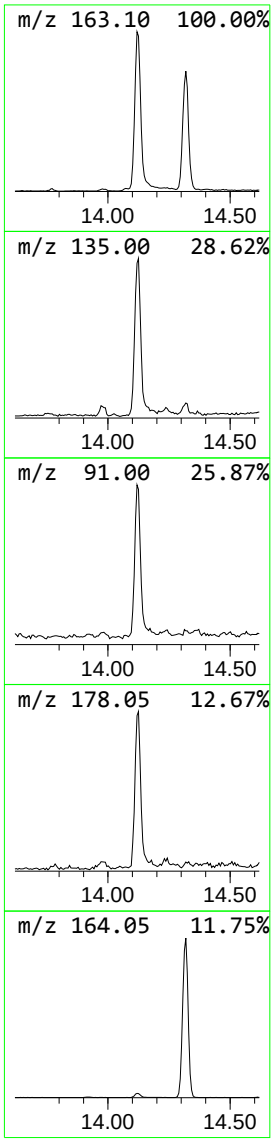
****

Peak Number 1 Benzoic acid, p-tert-butyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.119	3.58 ng	629270	Acenaphthene-d10	14.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, p-tert-butyl-	178	C11H14O2	000098-73-7	96
2	3-tert-Butylbenzoic acid	178	C11H14O2	007498-54-6	93
3	6-tert-Butyl-2,4-dimethylphenol	178	C12H18O	001879-09-0	72
4	Benzaldehyde, 5-(1,1-dimethyleth...	178	C11H14O2	002725-53-3	72
5	Benzoic acid, 4-acetyl-, methyl ...	178	C10H10O3	003609-53-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026083.D
Acq On : 06 Nov 2025 19:07
Operator : RC/JU
Sample : Q3534-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

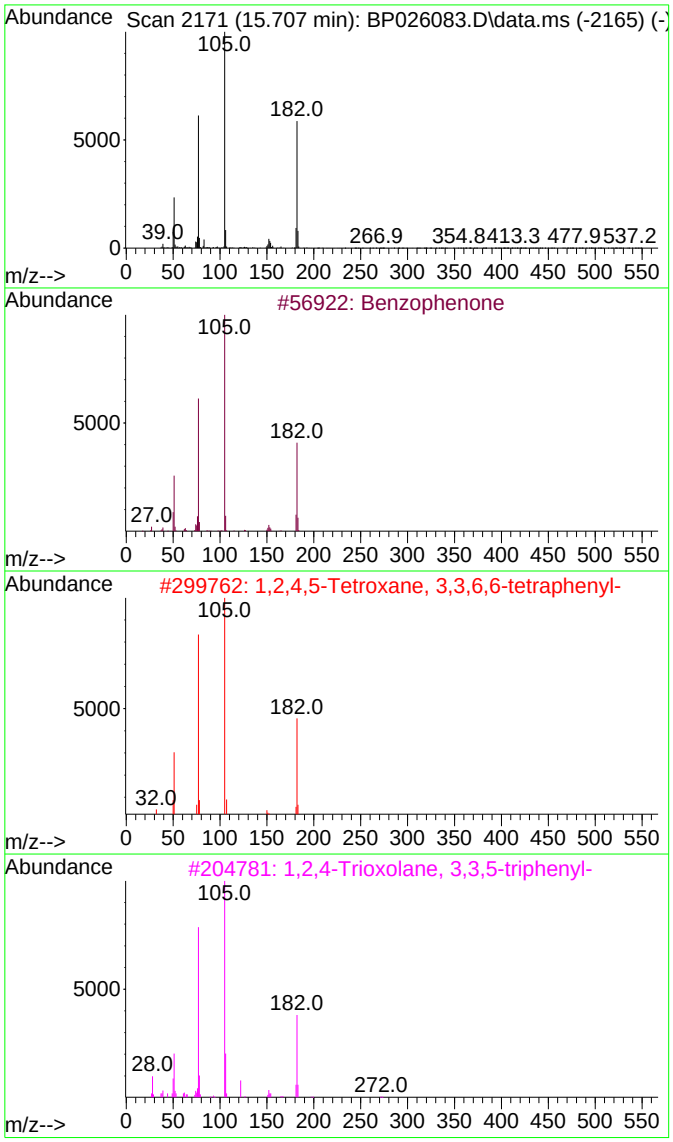
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

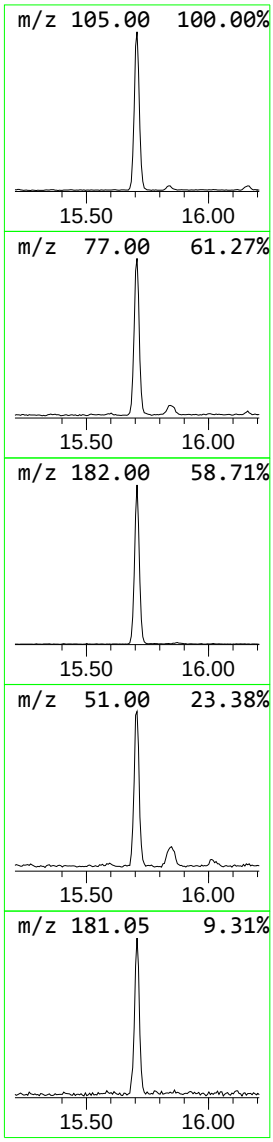
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.707	4.33 ng	760107	Acenaphthene-d10	14.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	50
4	Azobenzene	182	C12H10N2	000103-33-3	47
5	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42





Sample Results: **BP026083.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026083.D
Acq On : 06 Nov 2025 19:07
Operator : RC/JU
Sample : Q3534-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

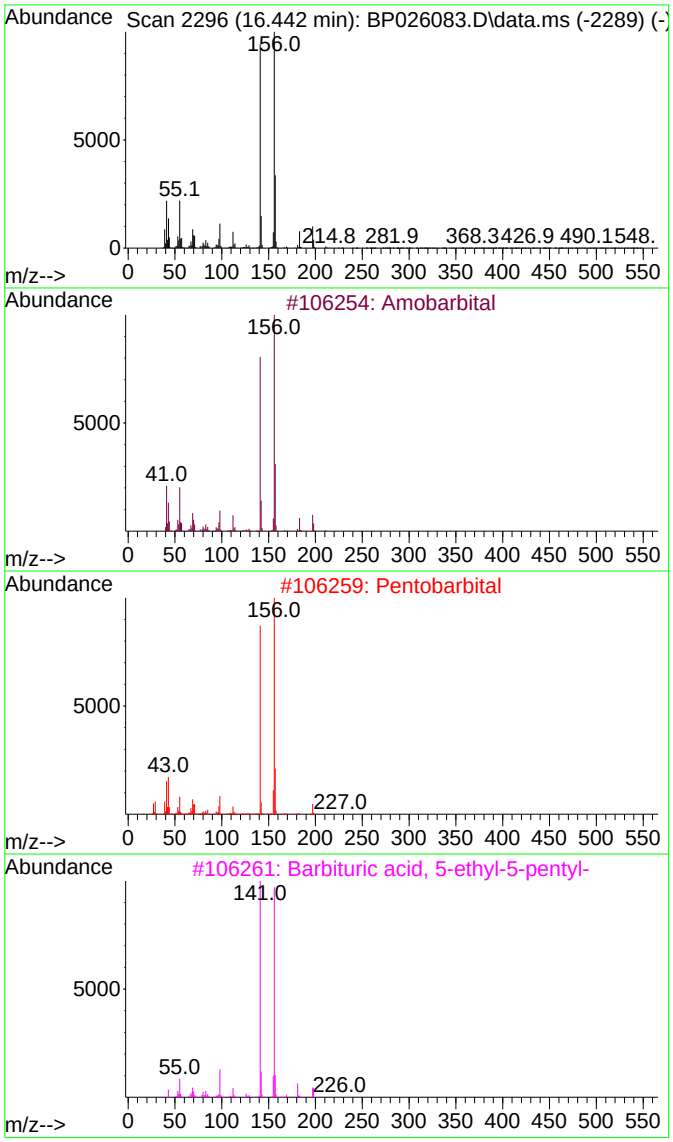
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

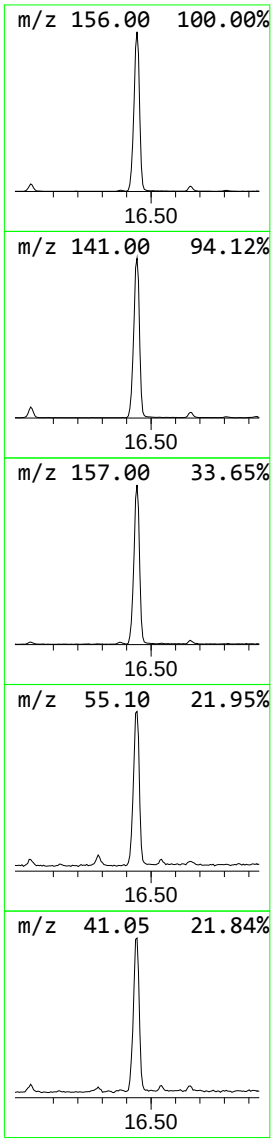
****

Peak Number 3 Amobarbital Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.442	18.49 ng	3722800	Phenanthrene-d10	17.137

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amobarbital	226	C11H18N2O3	000057-43-2	91
2	Pentobarbital	226	C11H18N2O3	000076-74-4	86
3	Barbituric acid, 5-ethyl-5-pentyl-	226	C11H18N2O3	000115-58-2	72
4	Butabarbital	212	C10H16N2O3	000125-40-6	72
5	Silane, trimethyl-2-thienyl-	156	C7H12SSi	018245-28-8	72





Sample Results: **BP026083.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026083.D
Acq On : 06 Nov 2025 19:07
Operator : RC/JU
Sample : Q3534-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

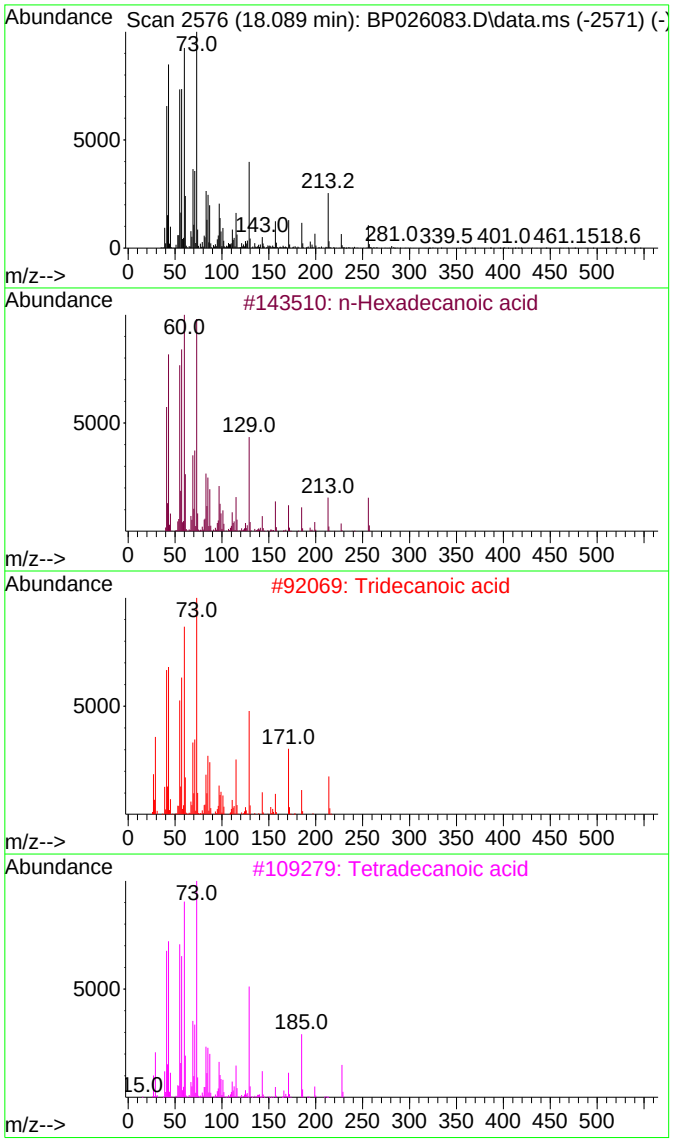
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

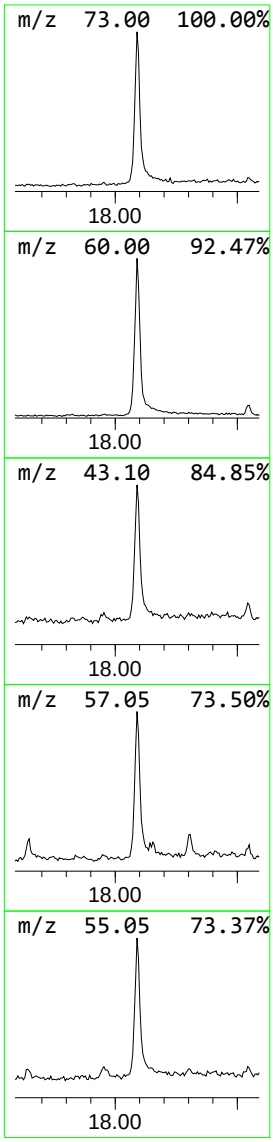
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.089	4.26 ng	858206	Phenanthrene-d10	17.137

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Octadecanoic acid	284	C18H36O2	000057-11-4	91





Sample Results: **BP026083.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026083.D
Acq On : 06 Nov 2025 19:07
Operator : RC/JU
Sample : Q3534-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-5

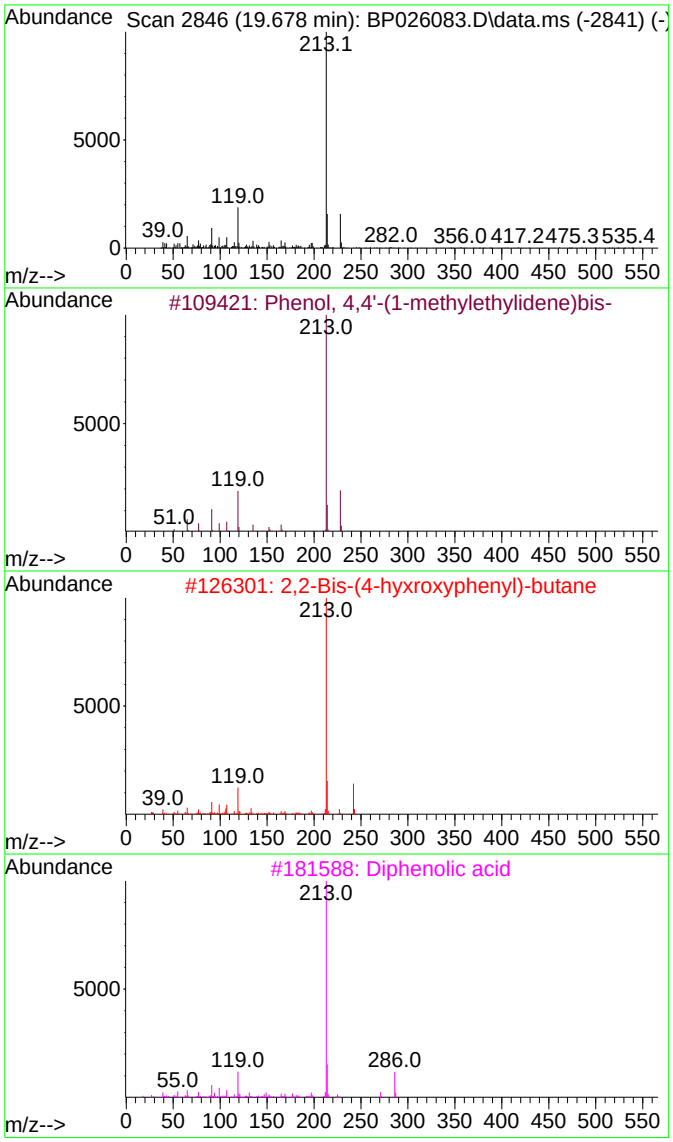
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

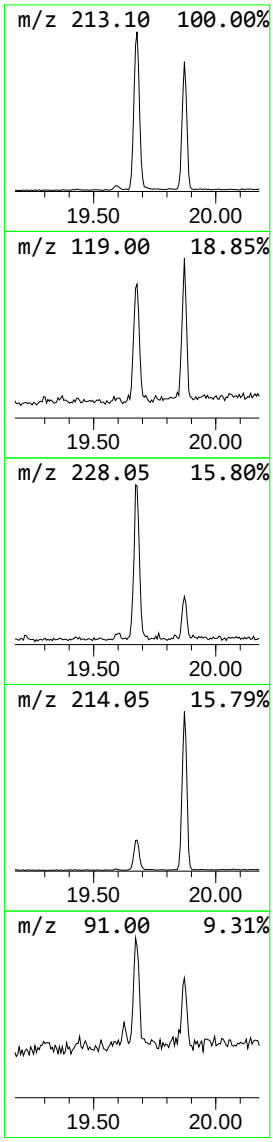
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenol, 4,4'-(1-methylethyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.678	2.15 ng	486838	Chrysene-d12	21.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	97
2	2,2-Bis-(4-hyxroxyphenyl)-butane	242	C16H18O2	000077-40-7	78
3	Diphenolic acid	286	C17H18O4	000126-00-1	59
4	2,2-Bis(4-propionoxyphenyl)propane	340	C21H24O4	003711-19-1	59
5	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	53





Sample Results: **BP026083.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026083.D
Acq On : 06 Nov 2025 19:07
Operator : RC/JU
Sample : Q3534-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Benzoic acid, p...	14.119	3.6	ng	629270	3	14.319	3511640	20.0
Benzophenone	15.707	4.3	ng	760107	3	14.319	3511640	20.0
Amobarbital	16.442	18.5	ng	3722800	4	17.137	4026400	20.0
n-Hexadecanoic ...	18.089	4.3	ng	858206	4	17.137	4026400	20.0
Phenol, 4,4'-(1...	19.678	2.1	ng	486838	5	21.583	4531390	20.0

Raw Data: **BF144192.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-05	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	960 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	4.10	U	1	4.10	10.4	ug/L	11/06/25 17:24	PB170424
108-95-2	Phenol	0.95	U	1	0.95	5.20	ug/L	11/06/25 17:24	PB170424
111-44-4	bis(2-Chloroethyl)ether	0.84	U	1	0.84	5.20	ug/L	11/06/25 17:24	PB170424
95-57-8	2-Chlorophenol	0.60	U	1	0.60	5.20	ug/L	11/06/25 17:24	PB170424
95-48-7	2-Methylphenol	1.20	U	1	1.20	5.20	ug/L	11/06/25 17:24	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.20	ug/L	11/06/25 17:24	PB170424
98-86-2	Acetophenone	0.77	U	1	0.77	5.20	ug/L	11/06/25 17:24	PB170424
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.4	ug/L	11/06/25 17:24	PB170424
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1	1.50	2.60	ug/L	11/06/25 17:24	PB170424
67-72-1	Hexachloroethane	0.68	U	1	0.68	5.20	ug/L	11/06/25 17:24	PB170424
98-95-3	Nitrobenzene	0.79	U	1	0.79	5.20	ug/L	11/06/25 17:24	PB170424
78-59-1	Isophorone	0.78	U	1	0.78	5.20	ug/L	11/06/25 17:24	PB170424
88-75-5	2-Nitrophenol	1.80	U	1	1.80	5.20	ug/L	11/06/25 17:24	PB170424
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.20	ug/L	11/06/25 17:24	PB170424
111-91-1	bis(2-Chloroethoxy)methane	0.71	U	1	0.71	5.20	ug/L	11/06/25 17:24	PB170424
120-83-2	2,4-Dichlorophenol	0.54	U	1	0.54	5.20	ug/L	11/06/25 17:24	PB170424
91-20-3	Naphthalene	0.52	U	1	0.52	5.20	ug/L	11/06/25 17:24	PB170424
106-47-8	4-Chloroaniline	0.88	UQ	1	0.88	5.20	ug/L	11/06/25 17:24	PB170424
87-68-3	Hexachlorobutadiene	0.56	U	1	0.56	5.20	ug/L	11/06/25 17:24	PB170424
105-60-2	Caprolactam	1.20	U	1	1.20	10.4	ug/L	11/06/25 17:24	PB170424
59-50-7	4-Chloro-3-methylphenol	0.61	U	1	0.61	5.20	ug/L	11/06/25 17:24	PB170424
91-57-6	2-Methylnaphthalene	0.58	U	1	0.58	5.20	ug/L	11/06/25 17:24	PB170424
77-47-4	Hexachlorocyclopentadiene	3.80	U	1	3.80	10.4	ug/L	11/06/25 17:24	PB170424
88-06-2	2,4,6-Trichlorophenol	0.53	U	1	0.53	5.20	ug/L	11/06/25 17:24	PB170424
95-95-4	2,4,5-Trichlorophenol	0.65	U	1	0.65	5.20	ug/L	11/06/25 17:24	PB170424
92-52-4	1,1-Biphenyl	0.55	U	1	0.55	5.20	ug/L	11/06/25 17:24	PB170424
91-58-7	2-Chloronaphthalene	0.64	U	1	0.64	5.20	ug/L	11/06/25 17:24	PB170424
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.20	ug/L	11/06/25 17:24	PB170424
131-11-3	Dimethylphthalate	0.64	U	1	0.64	5.20	ug/L	11/06/25 17:24	PB170424
208-96-8	Acenaphthylene	0.78	U	1	0.78	5.20	ug/L	11/06/25 17:24	PB170424
606-20-2	2,6-Dinitrotoluene	0.96	U	1	0.96	5.20	ug/L	11/06/25 17:24	PB170424
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.20	ug/L	11/06/25 17:24	PB170424
83-32-9	Acenaphthene	0.57	U	1	0.57	5.20	ug/L	11/06/25 17:24	PB170424
51-28-5	2,4-Dinitrophenol	6.20	U	1	6.20	10.4	ug/L	11/06/25 17:24	PB170424
100-02-7	4-Nitrophenol	2.50	U	1	2.50	10.4	ug/L	11/06/25 17:24	PB170424
132-64-9	Dibenzofuran	0.64	U	1	0.64	5.20	ug/L	11/06/25 17:24	PB170424
121-14-2	2,4-Dinitrotoluene	1.30	U	1	1.30	5.20	ug/L	11/06/25 17:24	PB170424
84-66-2	Diethylphthalate	0.72	U	1	0.72	5.20	ug/L	11/06/25 17:24	PB170424
7005-72-3	4-Chlorophenyl-phenylether	0.71	U	1	0.71	5.20	ug/L	11/06/25 17:24	PB170424
86-73-7	Fluorene	0.66	U	1	0.66	5.20	ug/L	11/06/25 17:24	PB170424
100-01-6	4-Nitroaniline	1.60	U	1	1.60	5.20	ug/L	11/06/25 17:24	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	1	3.00	10.4	ug/L	11/06/25 17:24	PB170424

Raw Data: **BF144192.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	11/03/25
Project:	Edison Landfill			Date Received:	11/04/25
Client Sample ID:	MW-EB-1			SDG No.:	Q3534
Lab Sample ID:	Q3534-05			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	960 mL	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date:	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3.90	J	1	0.60	5.20	ug/L	11/06/25 17:24	PB170424
101-55-3	4-Bromophenyl-phenylether	0.42	U	1	0.42	5.20	ug/L	11/06/25 17:24	PB170424
118-74-1	Hexachlorobenzene	0.54	U	1	0.54	5.20	ug/L	11/06/25 17:24	PB170424
1912-24-9	Atrazine	1.10	U	1	1.10	5.20	ug/L	11/06/25 17:24	PB170424
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.4	ug/L	11/06/25 17:24	PB170424
85-01-8	Phenanthrene	0.52	U	1	0.52	5.20	ug/L	11/06/25 17:24	PB170424
120-12-7	Anthracene	0.64	U	1	0.64	5.20	ug/L	11/06/25 17:24	PB170424
86-74-8	Carbazole	0.75	U	1	0.75	5.20	ug/L	11/06/25 17:24	PB170424
84-74-2	Di-n-butylphthalate	1.30	U	1	1.30	5.20	ug/L	11/06/25 17:24	PB170424
206-44-0	Fluoranthene	0.85	U	1	0.85	5.20	ug/L	11/06/25 17:24	PB170424
129-00-0	Pyrene	0.52	U	1	0.52	5.20	ug/L	11/06/25 17:24	PB170424
85-68-7	Butylbenzylphthalate	2.00	U	1	2.00	5.20	ug/L	11/06/25 17:24	PB170424
91-94-1	3,3-Dichlorobenzidine	0.97	U	1	0.97	10.4	ug/L	11/06/25 17:24	PB170424
56-55-3	Benzo(a)anthracene	0.47	U	1	0.47	5.20	ug/L	11/06/25 17:24	PB170424
218-01-9	Chrysene	0.46	U	1	0.46	5.20	ug/L	11/06/25 17:24	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	1.70	U	1	1.70	5.20	ug/L	11/06/25 17:24	PB170424
117-84-0	Di-n-octyl phthalate	2.40	U	1	2.40	10.4	ug/L	11/06/25 17:24	PB170424
205-99-2	Benzo(b)fluoranthene	0.51	U	1	0.51	5.20	ug/L	11/06/25 17:24	PB170424
207-08-9	Benzo(k)fluoranthene	0.50	U	1	0.50	5.20	ug/L	11/06/25 17:24	PB170424
50-32-8	Benzo(a)pyrene	0.57	U	1	0.57	5.20	ug/L	11/06/25 17:24	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	1	0.61	5.20	ug/L	11/06/25 17:24	PB170424
53-70-3	Dibenzo(a,h)anthracene	0.70	U	1	0.70	5.20	ug/L	11/06/25 17:24	PB170424
191-24-2	Benzo(g,h,i)perylene	0.72	U	1	0.72	5.20	ug/L	11/06/25 17:24	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	1	0.54	5.20	ug/L	11/06/25 17:24	PB170424
123-91-1	1,4-Dioxane	7.50		1	1.00	5.20	ug/L	11/06/25 17:24	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	1	0.75	5.20	ug/L	11/06/25 17:24	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	72.1			15 (23) - 110 (138)	48%	SPK: 150		
13127-88-3	Phenol-d6	48.7			15 (10) - 110 (134)	32%	SPK: 150		
4165-60-0	Nitrobenzene-d5	88.9			30 (67) - 130 (132)	89%	SPK: 100		
321-60-8	2-Fluorobiphenyl	86.4			30 (52) - 130 (132)	86%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	120			15 (44) - 110 (137)	80%	SPK: 150		
1718-51-0	Terphenyl-d14	66.2			30 (42) - 130 (152)	66%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	62800							
1146-65-2	Naphthalene-d8	229000							
15067-26-2	Acenaphthene-d10	121000							
1517-22-2	Phenanthrene-d10	183000							
1719-03-5	Chrysene-d12	157000							
1520-96-3	Perylene-d12	214000							
TENTATIVE IDENTIFIED COMPOUNDS									
000121-44-8	Triethylamine	9.80	J			2.22	ug/L		
000496-11-7	Indane	42.9	J			7.05	ug/L		

Raw Data: **BF144192.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-05	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	960 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000098-54-4	Phenol, p-tert-butyl-	280	J			8.73	ug/L		
000080-46-6	Phenol, 4-(1,1-dimethylpropyl)-	120	J			9.34	ug/L		
000934-34-9	2(3H)-Benzothiazolone	27.3	J			10.8	ug/L		
000050-06-6	Phenobarbital	11.3	J			12.2	ug/L		
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	11.1	J			12.9	ug/L		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Quant Time: Nov 07 00:00:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62761	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	229494	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	120957	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	183106	20.000	ng	0.00
76) Chrysene-d12	14.051	240	157153	20.000	ng	0.00
86) Perylene-d12	15.539	264	214152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	289194	72.107	ng	0.00
7) Phenol-d6	6.498	99	221314	48.701	ng	0.00
23) Nitrobenzene-d5	7.434	82	353190	88.885	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	182170	120.017	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	707859	86.432	ng	0.00
79) Terphenyl-d14	12.992	244	654961	66.199	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	11907	7.181	ng	97
13) 1,4-Dichlorobenzene	6.893	146	16898	3.475	ng	94
66) n-Nitrosodiphenylamine	10.569	169	21832	3.707	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

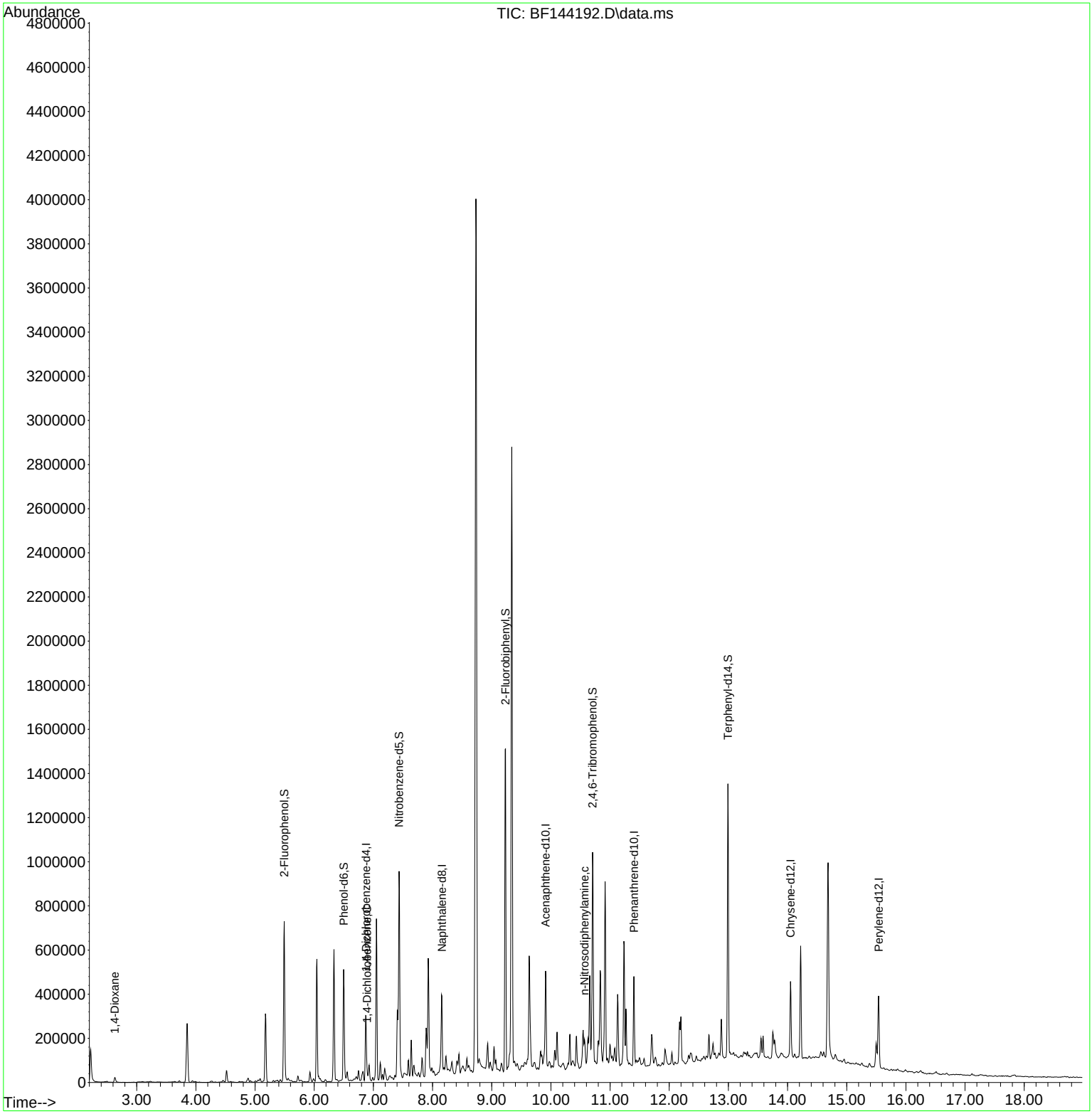
Quantitation Report (LSC Reviewed)

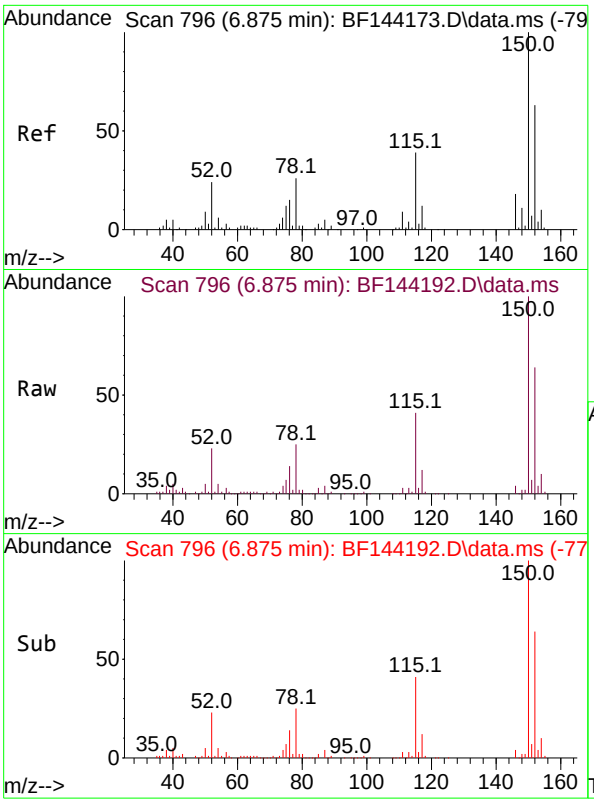
Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Quant Time: Nov 07 00:00:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



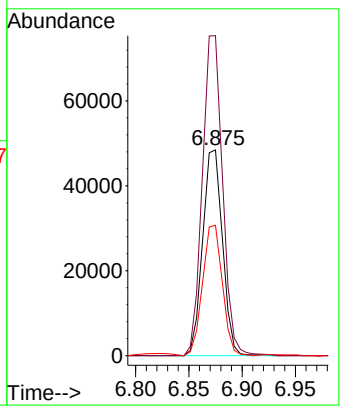


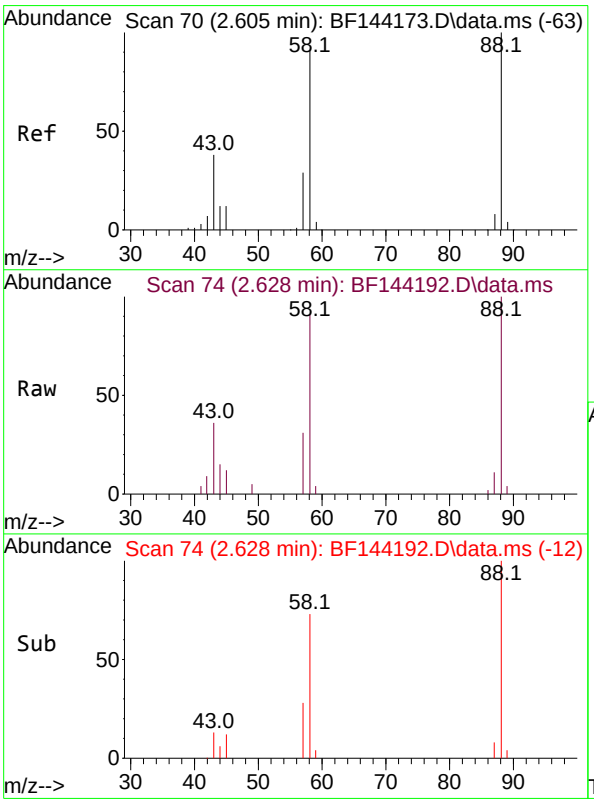
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Tgt Ion:152 Resp: 62761

Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.4	191.0
115	63.3	49.5	74.3

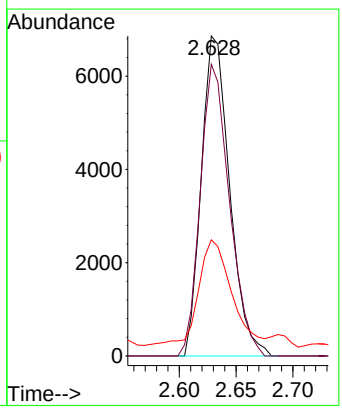


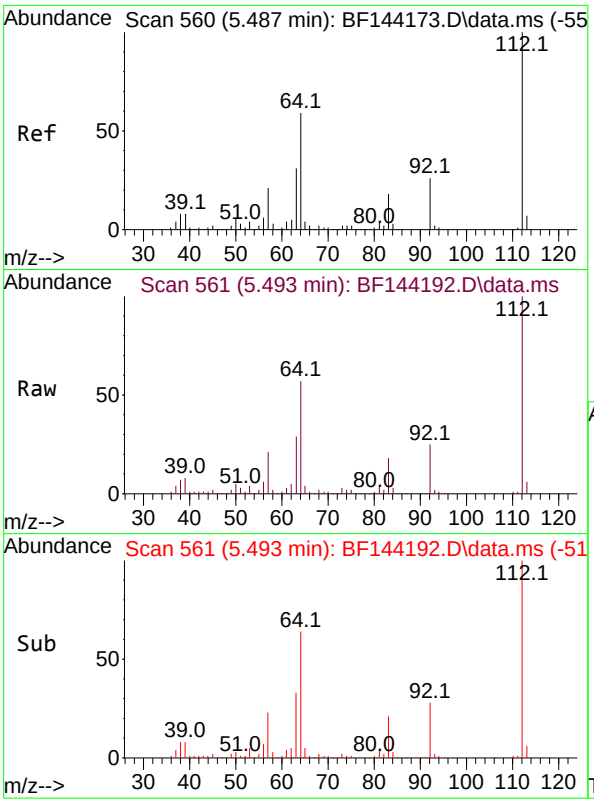


#2
1,4-Dioxane
Concen: 7.181 ng
RT: 2.628 min Scan# 74
Delta R.T. 0.012 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion: 88 Resp: 11907

Ion	Ratio	Lower	Upper
88	100		
58	93.7	73.1	109.7
43	36.6	31.0	46.6



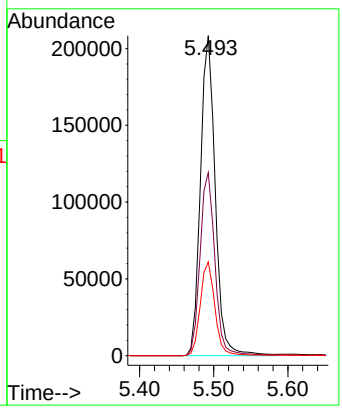


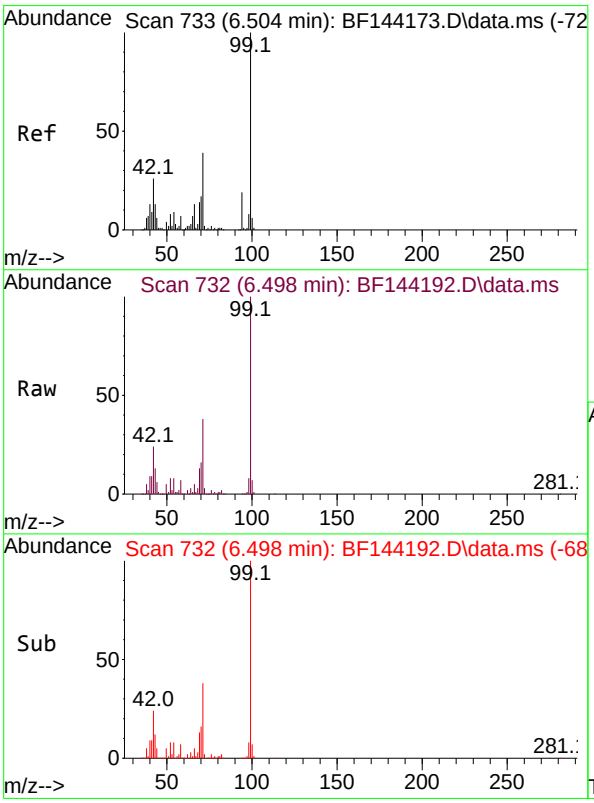
#5
2-Fluorophenol
Concen: 72.107 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Tgt Ion:112 Resp: 289194

Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.2	70.8
63	29.3	24.4	36.6

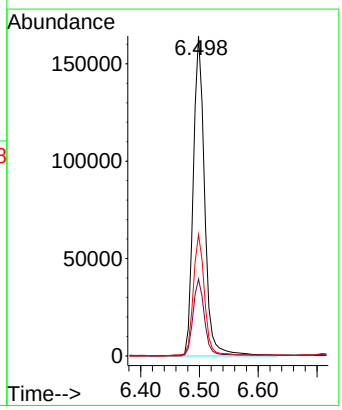


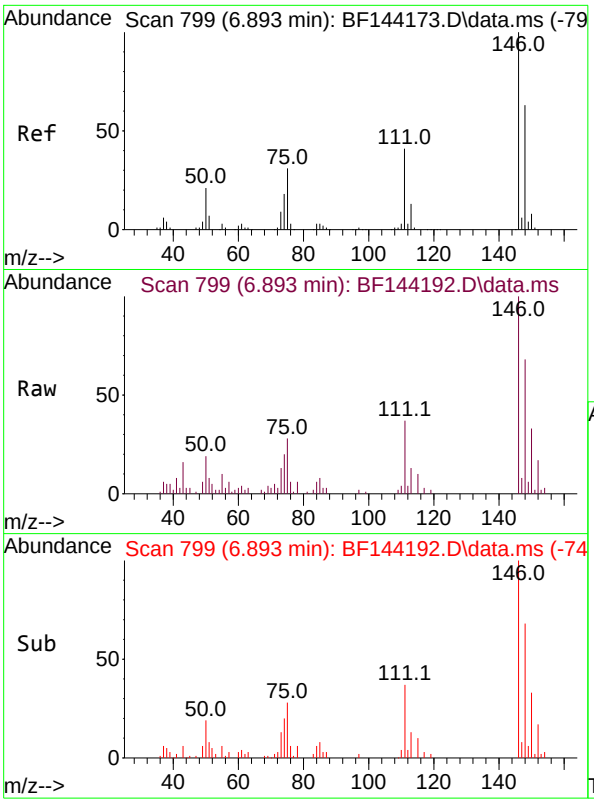


#7
Phenol-d6
Concen: 48.701 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion: 99 Resp: 221314

Ion	Ratio	Lower	Upper
99	100		
42	24.1	20.9	31.3
71	37.9	31.4	47.2



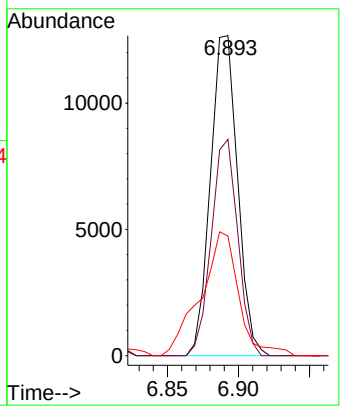


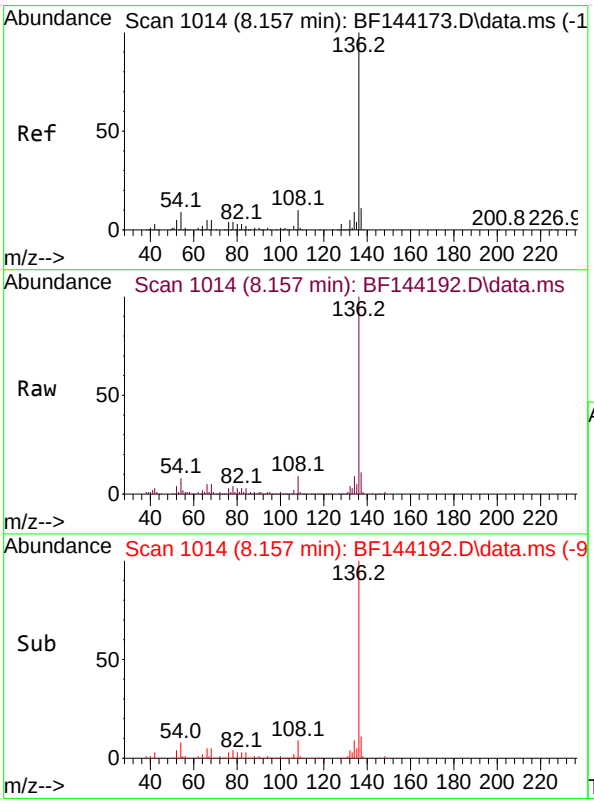
#13
1,4-Dichlorobenzene
Concen: 3.475 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Tgt Ion:146 Resp: 16898

Ion	Ratio	Lower	Upper
146	100		
148	67.6	50.2	75.2
111	37.4	32.6	48.8

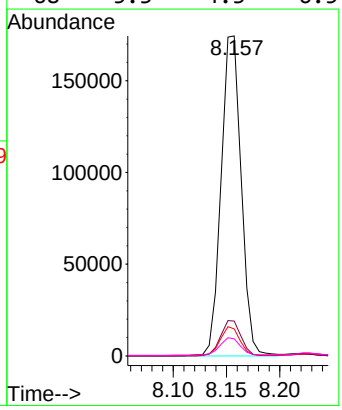


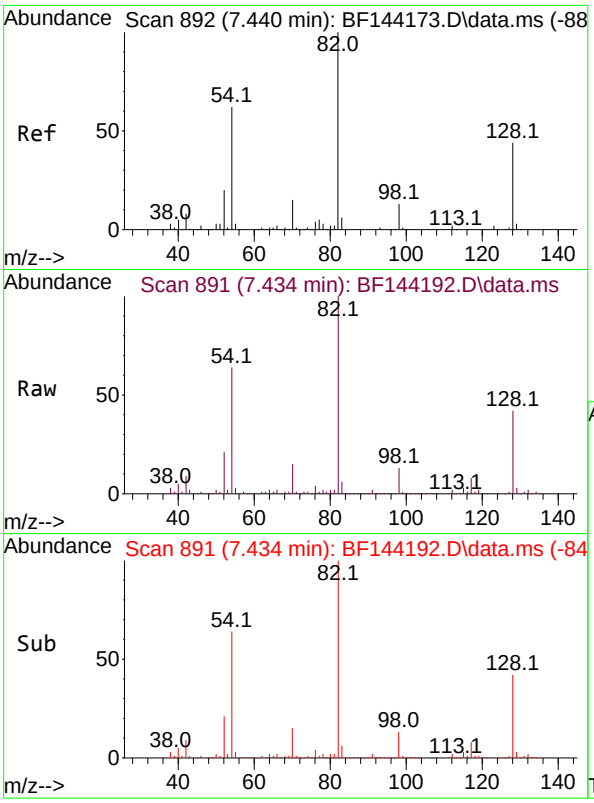


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion:136 Resp: 229494

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	7.0	10.6
68	5.3	4.3	6.5



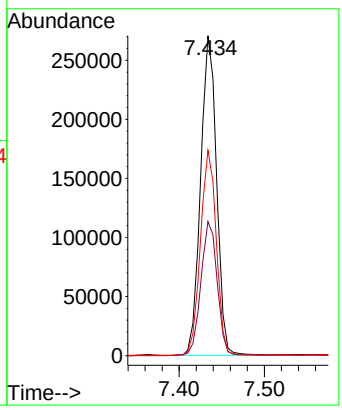


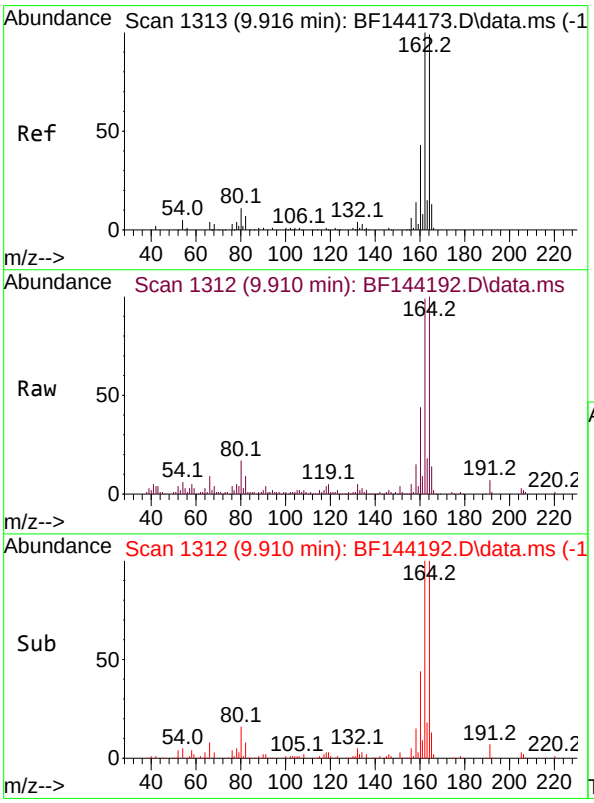
#23
Nitrobenzene-d5
Concen: 88.885 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Tgt Ion: 82 Resp: 353190

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.7	52.1
54	64.1	49.5	74.3

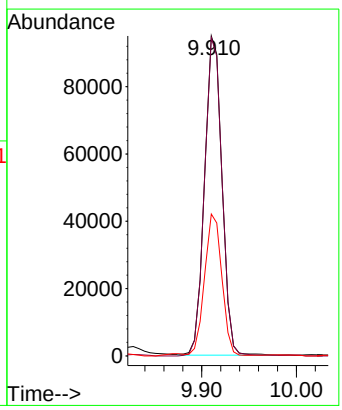


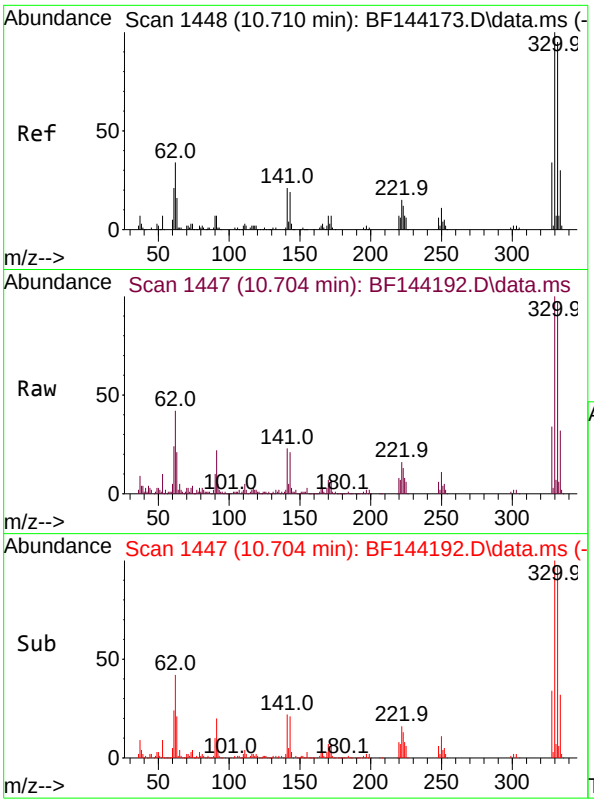


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion:164 Resp: 120957

Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.1	121.7
160	44.3	34.5	51.7



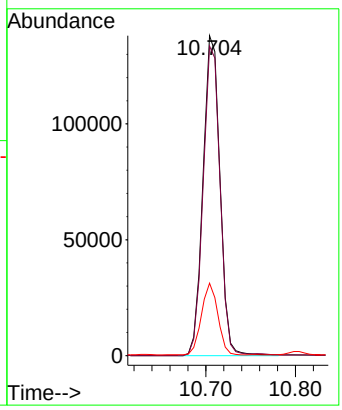


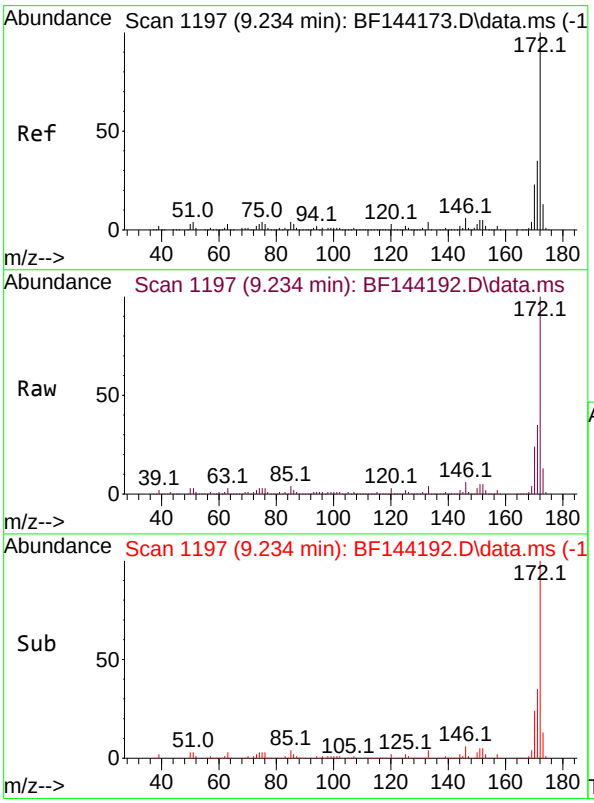
#42
2,4,6-Tribromophenol
Concen: 120.017 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Tgt Ion:330 Resp: 182170

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	21.5	17.8	26.8

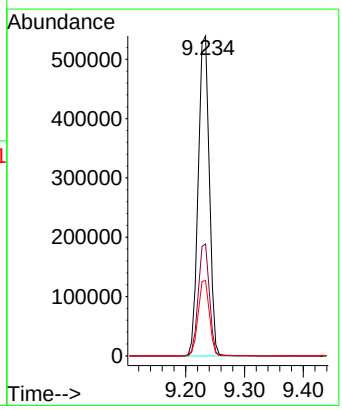


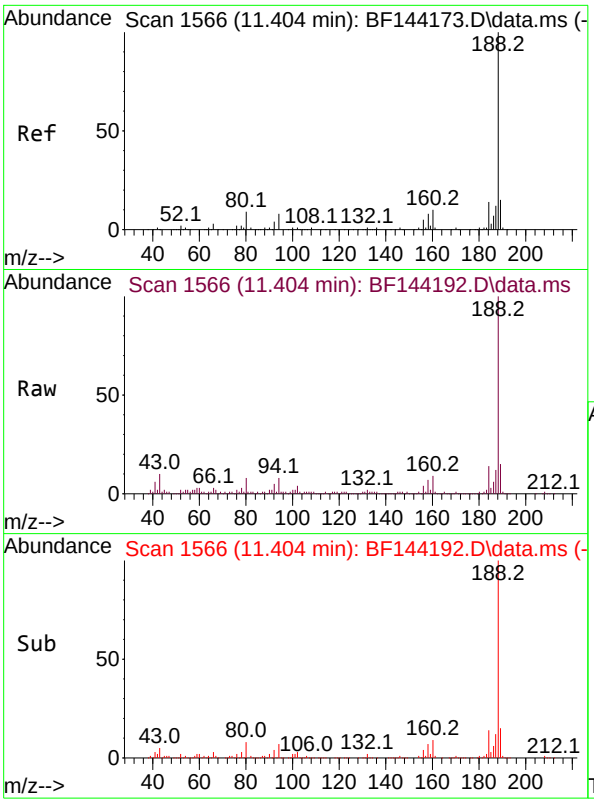


#45
2-Fluorobiphenyl
Concen: 86.432 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion:172 Resp: 707859

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	23.6	18.6	28.0



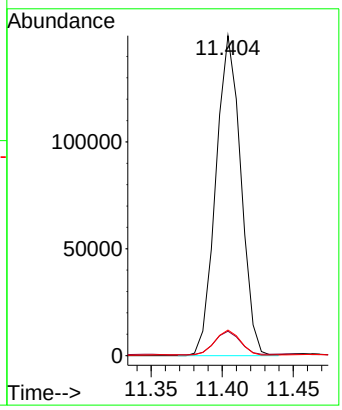


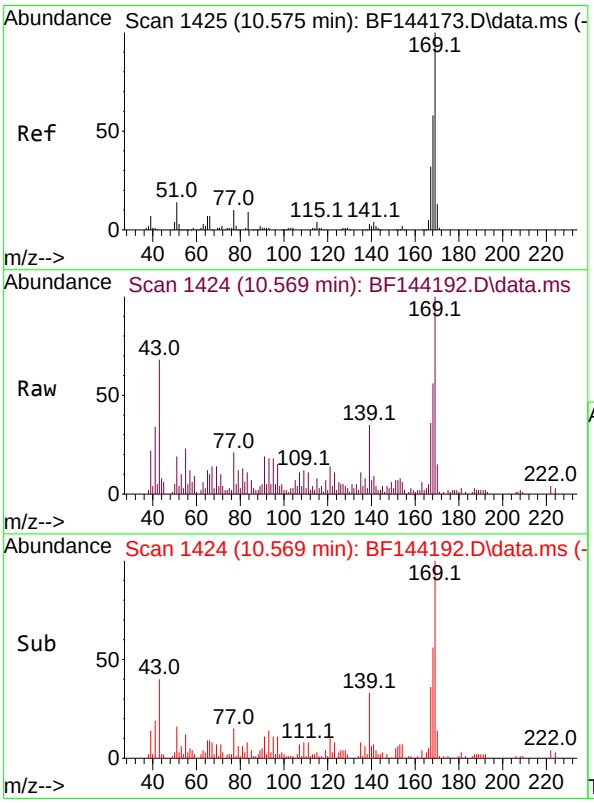
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Tgt Ion:188 Resp: 183106

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.2	9.2
80	8.0	6.9	10.3

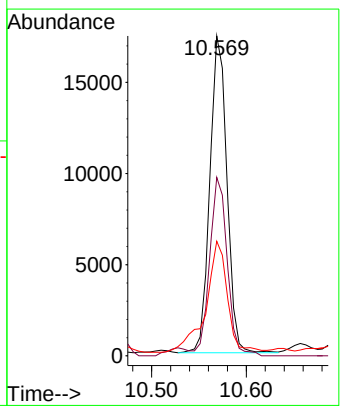


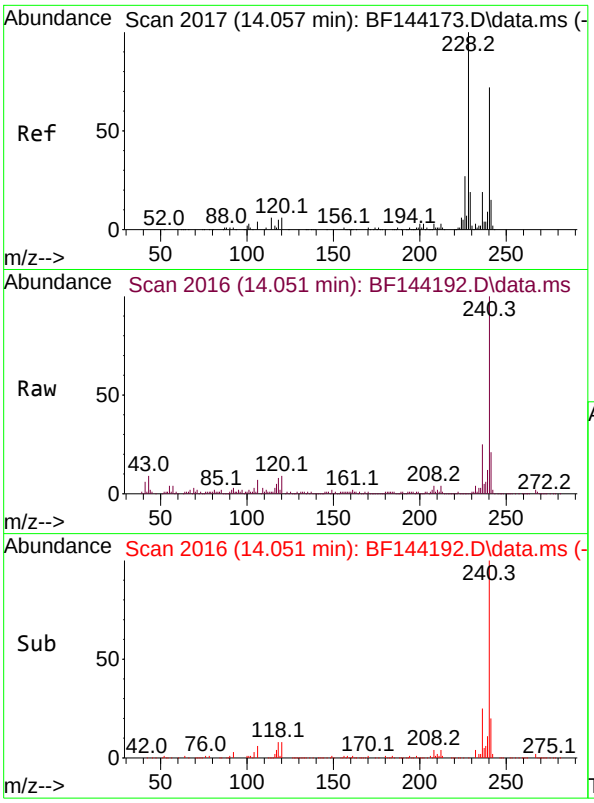


#66
n-Nitrosodiphenylamine
Concen: 3.707 ng
RT: 10.569 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion:169 Resp: 21832

Ion	Ratio	Lower	Upper
169	100		
168	55.8	46.2	69.2
167	35.8	25.7	38.5



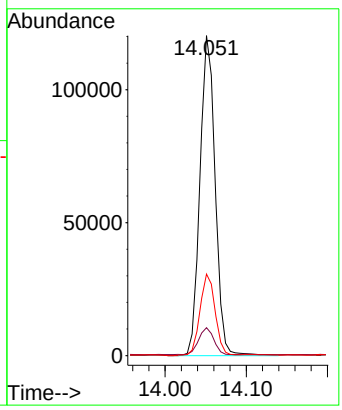


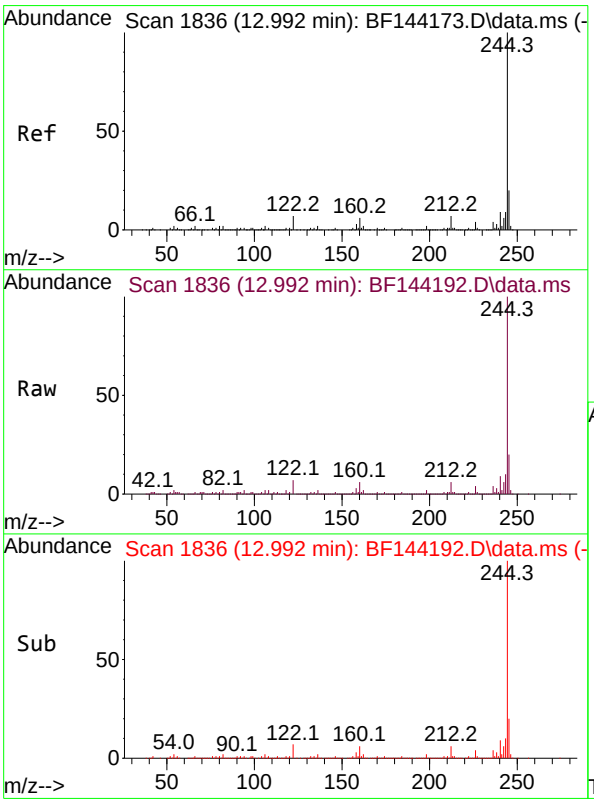
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Tgt Ion:240 Resp: 157153

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.6	10.0
236	25.5	21.4	32.2

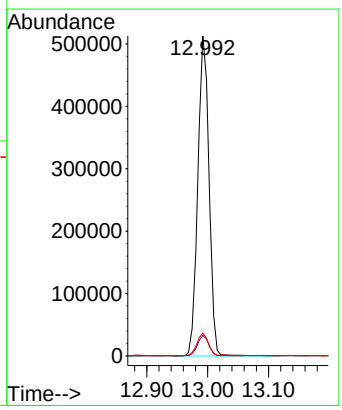


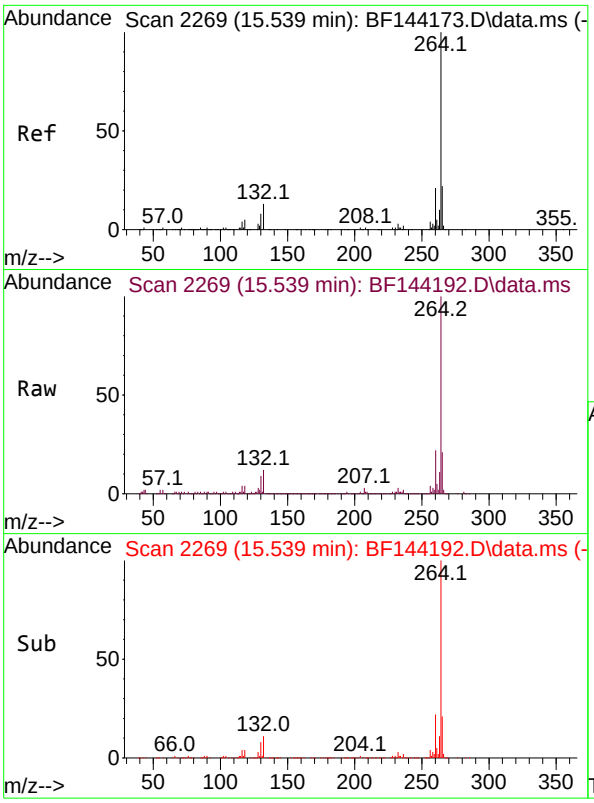


#79
Terphenyl-d14
Concen: 66.199 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion:244 Resp: 654961

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	7.1	5.6	8.4



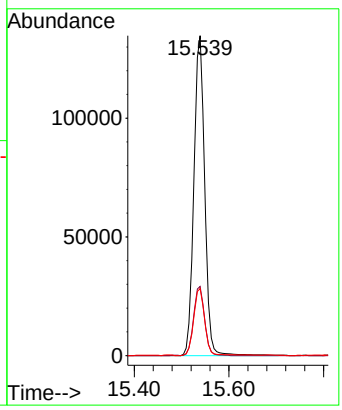


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Tgt Ion:264 Resp: 214152

Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.1	25.7
265	21.0	17.4	26.0



Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144192.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.222	3	5	20	rVB	144898	209686	3.05%	0.537%
2	3.852	274	282	290	rVB	266298	461324	6.71%	1.182%
3	4.516	391	395	403	rVB	51544	77906	1.13%	0.200%
4	5.175	502	507	517	rVB	309923	425652	6.19%	1.090%
5	5.493	554	561	569	rBV	726092	996173	14.50%	2.551%
6	6.046	650	655	659	rBV	553751	717643	10.44%	1.838%
7	6.334	695	704	709	rBV	599976	785018	11.42%	2.011%
8	6.498	727	732	738	rBV	500989	650826	9.47%	1.667%
9	6.822	780	787	791	rVV2	41045	75289	1.10%	0.193%
10	6.869	791	795	801	rVV2	295870	447492	6.51%	1.146%
11	6.928	801	805	812	rVB2	70606	102258	1.49%	0.262%
12	7.051	819	826	832	rBV	732095	921791	13.41%	2.361%
13	7.116	832	837	841	rBV2	78978	102663	1.49%	0.263%
14	7.193	846	850	857	rVB	51668	88814	1.29%	0.227%
15	7.404	881	886	888	rBV2	301525	407084	5.92%	1.043%
16	7.434	888	891	901	rVB	935760	1287981	18.74%	3.299%
17	7.593	914	918	921	rVB2	71406	85172	1.24%	0.218%
18	7.640	921	926	930	rBV	163233	191208	2.78%	0.490%
19	7.687	930	934	938	rBV3	47406	77220	1.12%	0.198%
20	7.822	951	957	964	rBV	86081	131489	1.91%	0.337%
21	7.893	964	969	972	rBV3	222362	354723	5.16%	0.909%
22	7.928	972	975	983	rVB	513137	670743	9.76%	1.718%
23	8.151	1006	1013	1018	rBV	350286	503630	7.33%	1.290%
24	8.228	1022	1026	1030	rVB3	62675	84289	1.23%	0.216%
25	8.328	1039	1043	1051	rVB2	54887	94461	1.37%	0.242%
26	8.416	1052	1058	1060	rBV3	57137	100609	1.46%	0.258%
27	8.445	1060	1063	1067	rVB	84770	107976	1.57%	0.277%
28	8.510	1067	1074	1081	rBV5	31599	92883	1.35%	0.238%
29	8.581	1082	1086	1089	rBV	56723	75172	1.09%	0.193%
30	8.734	1104	1112	1118	rBV	3955875	6872210	100.00%	17.602%
31	8.787	1118	1121	1129	rVB7	38766	86852	1.26%	0.222%
32	8.934	1140	1146	1150	rBV3	112632	172276	2.51%	0.441%
33	9.039	1160	1164	1167	rBV3	109407	147594	2.15%	0.378%
34	9.234	1191	1197	1201	rBV	1463248	1923497	27.99%	4.927%
35	9.339	1209	1215	1220	rVB	2789269	3906627	56.85%	10.006%
36	9.634	1261	1265	1273	rVB2	501232	806705	11.74%	2.066%

Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.828	1293	1298	1300	rBV2	80954	128609	1.87%	0.329%
38	9.910	1304	1312	1318	rVB3	432760	667546	9.71%	1.710%
39	10.069	1334	1339	1341	rBV	76130	107264	1.56%	0.275%
40	10.104	1341	1345	1351	rVB	153956	213194	3.10%	0.546%
41	10.322	1378	1382	1386	rVB	140744	167166	2.43%	0.428%
42	10.434	1396	1401	1409	rVB	146963	228689	3.33%	0.586%
43	10.545	1413	1420	1422	rBV2	167482	260516	3.79%	0.667%
44	10.628	1429	1434	1435	rBV2	112862	142959	2.08%	0.366%
45	10.657	1435	1439	1442	rVV	394349	530233	7.72%	1.358%
46	10.704	1442	1447	1453	rVB2	949557	1349638	19.64%	3.457%
47	10.804	1459	1464	1465	rBV2	103235	138415	2.01%	0.355%
48	10.833	1465	1469	1476	rVV2	416672	664454	9.67%	1.702%
49	10.916	1476	1483	1488	rVV	813704	1108252	16.13%	2.839%
50	10.998	1494	1497	1501	rBV	80825	115379	1.68%	0.296%
51	11.081	1507	1511	1515	rVV2	61955	89251	1.30%	0.229%
52	11.128	1515	1519	1526	rVB3	323961	474777	6.91%	1.216%
53	11.233	1531	1537	1541	rBV	555476	786790	11.45%	2.015%
54	11.269	1541	1543	1551	rVB	251046	296161	4.31%	0.759%
55	11.404	1561	1566	1570	rBV	404121	507550	7.39%	1.300%
56	11.704	1612	1617	1623	rBV	137717	222456	3.24%	0.570%
57	11.928	1651	1655	1666	rBV4	69924	138436	2.01%	0.355%
58	12.045	1672	1675	1681	rVB	55357	69864	1.02%	0.179%
59	12.175	1692	1697	1699	rBV	187445	275526	4.01%	0.706%
60	12.198	1699	1701	1706	rVB	201561	222957	3.24%	0.571%
61	12.363	1726	1729	1738	rVB5	40210	90077	1.31%	0.231%
62	12.669	1778	1781	1786	rVB	109043	141820	2.06%	0.363%
63	12.880	1813	1817	1826	rVB	176541	248792	3.62%	0.637%
64	12.992	1831	1836	1841	rBV	1232175	1576654	22.94%	4.038%
65	13.551	1927	1931	1934	rBV2	80393	104474	1.52%	0.268%
66	13.586	1934	1937	1947	rVB	98688	123519	1.80%	0.316%
67	13.751	1961	1965	1968	rBV2	115419	175724	2.56%	0.450%
68	14.051	2012	2016	2024	rVB	343497	467083	6.80%	1.196%
69	14.222	2040	2045	2052	rVB	509939	690276	10.04%	1.768%
70	14.686	2117	2124	2138	rVB	890063	1582868	23.03%	4.054%
71	15.498	2257	2262	2265	rBV	104670	174112	2.53%	0.446%
72	15.539	2265	2269	2280	rVB	329023	518627	7.55%	1.328%

Sum of corrected areas: 39043044

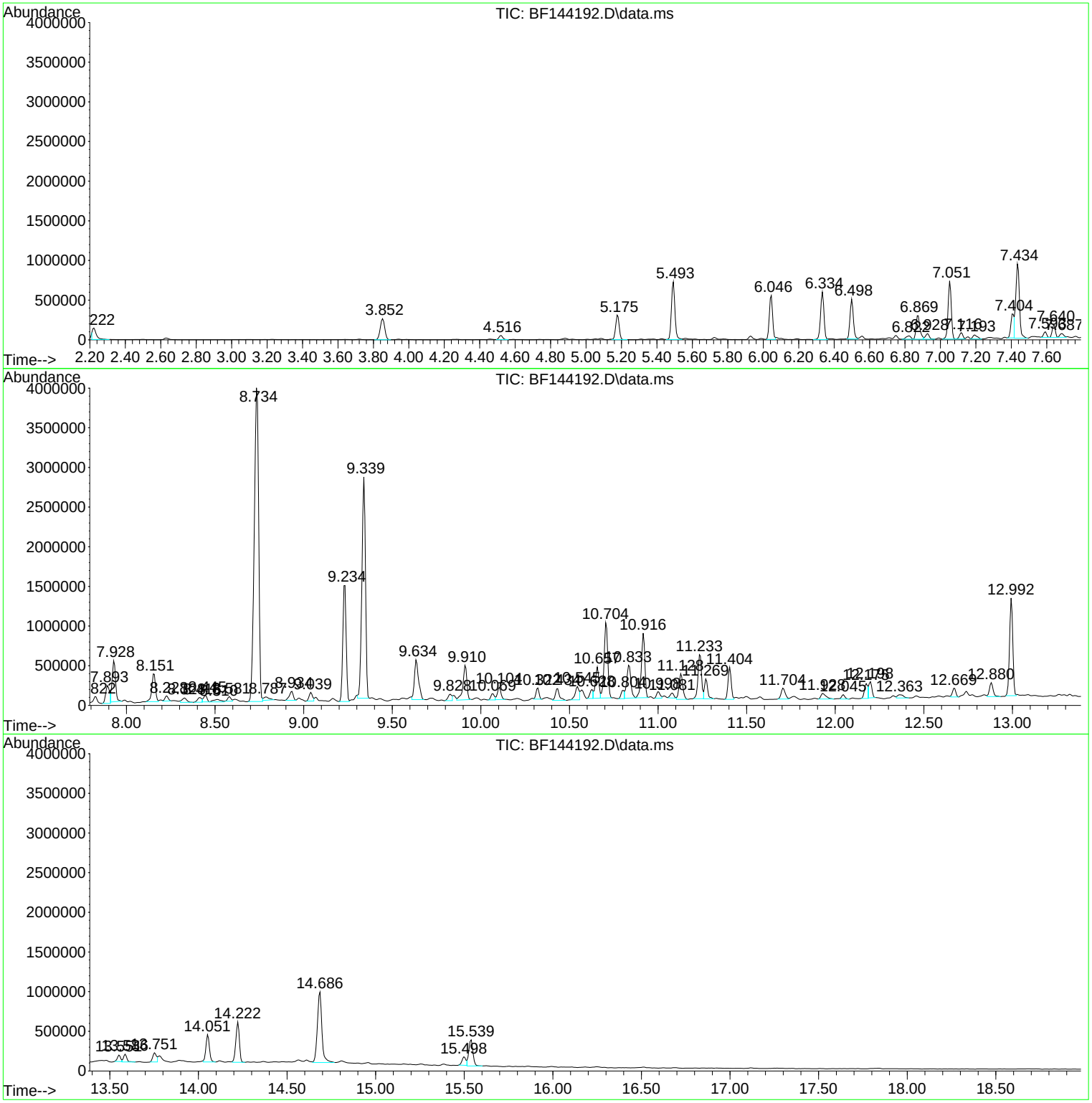
Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

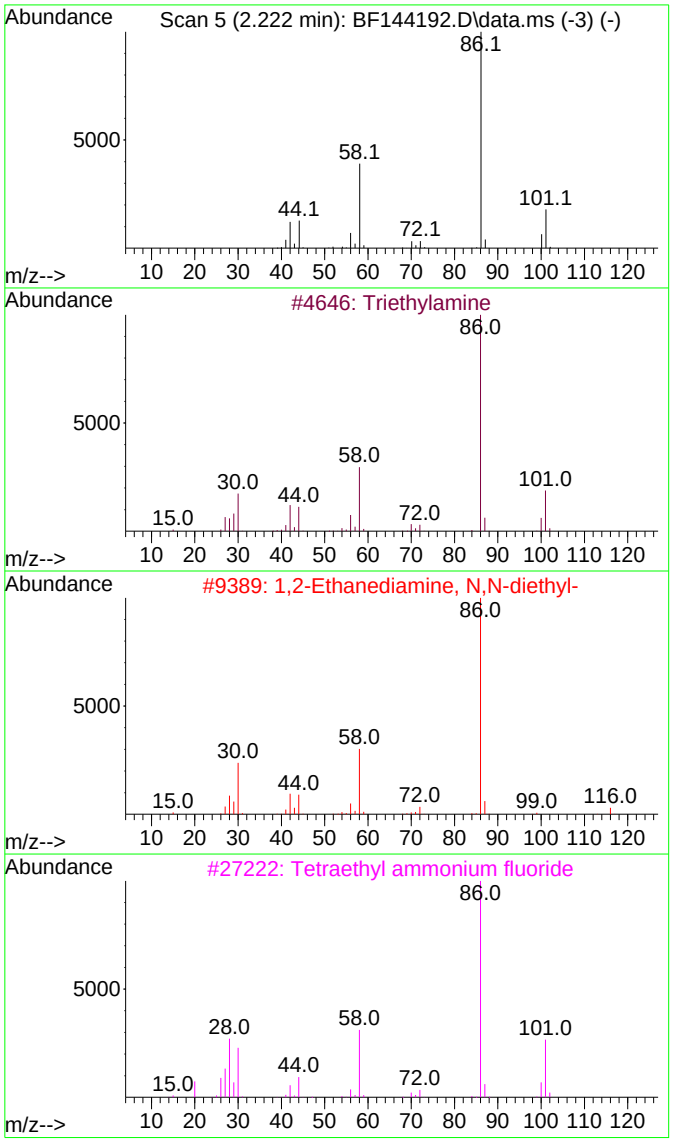
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

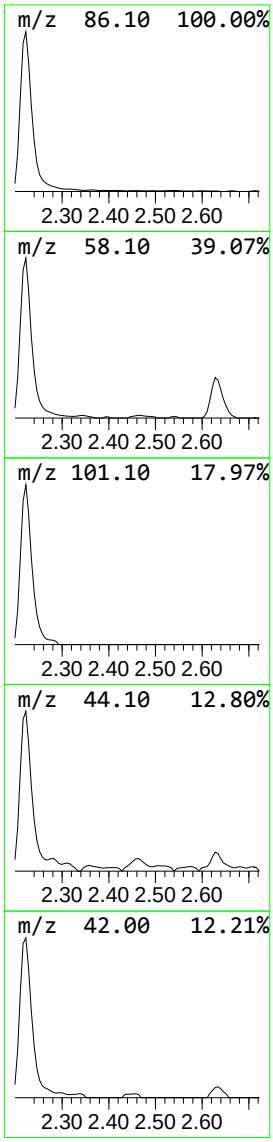
****

Peak Number 1 Triethylamine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.222	9.37 ng	209686	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethylamine	101	C6H15N	000121-44-8	91
2	1,2-Ethanediamine, N,N-diethyl-	116	C6H16N2	000100-36-7	72
3	Tetraethyl ammonium fluoride	149	C8H20FN	000665-46-3	64
4	1,2-Ethanediamine, N,N-diethyl-N...	130	C7H18N2	000104-79-0	64
5	Tetraethylammonium chloride	165	C8H20ClN	000056-34-8	64





Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

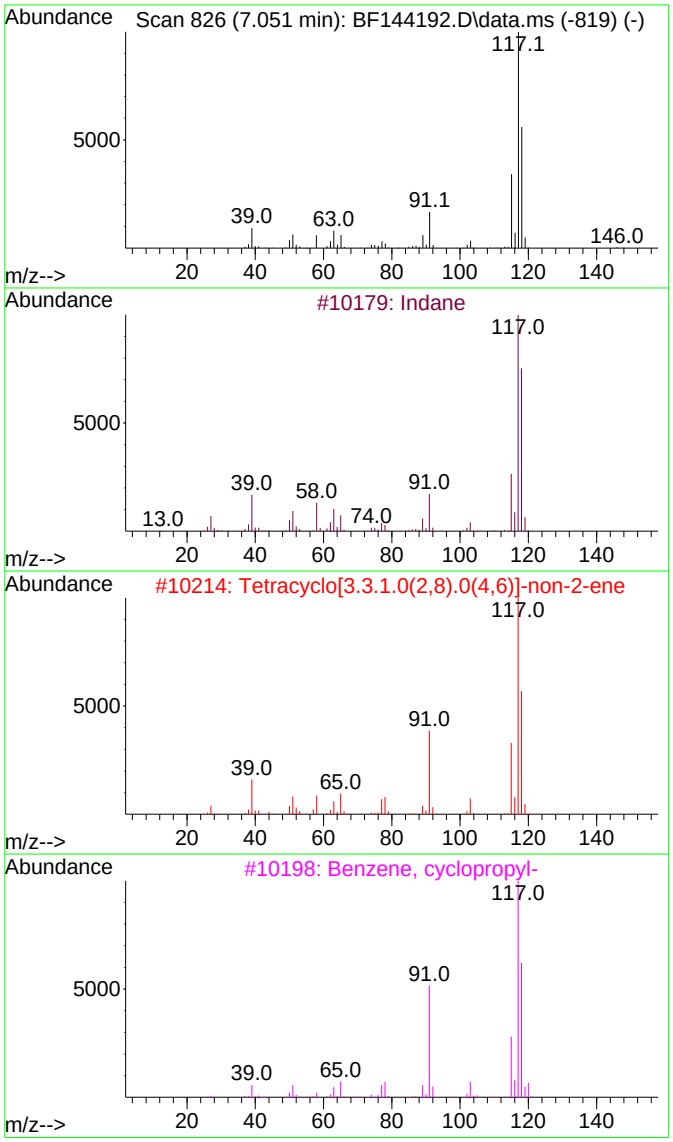
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

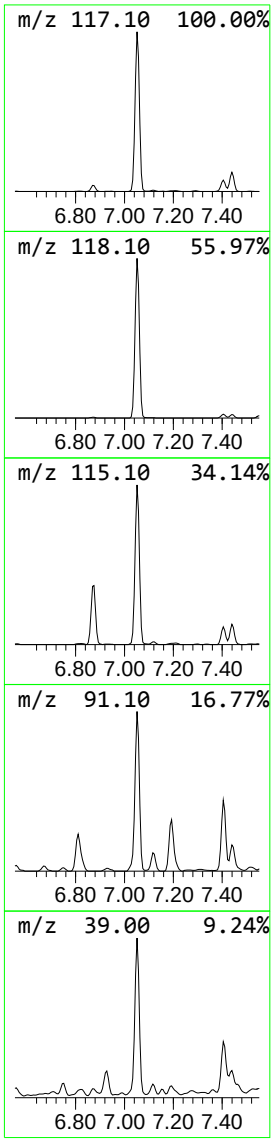
****

Peak Number 6 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.051	41.20 ng	921791	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

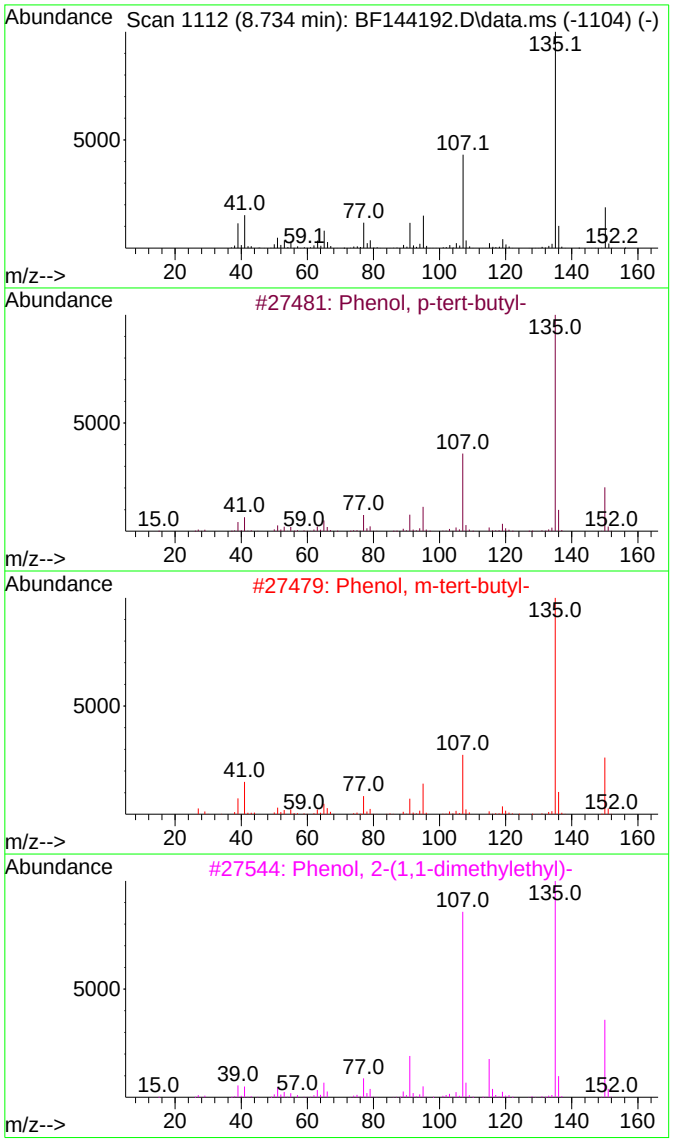
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

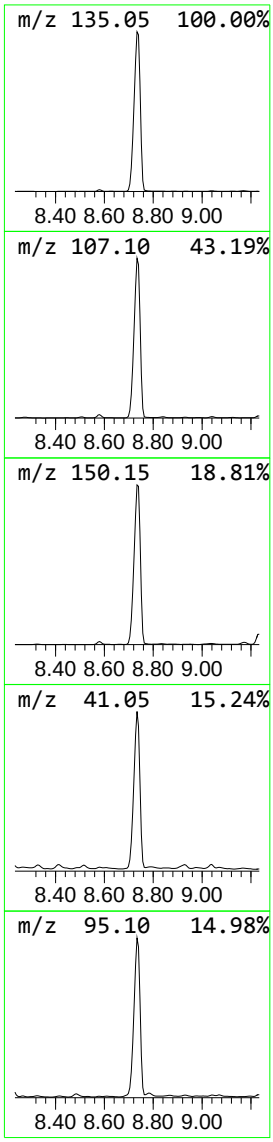
****

Peak Number 9 Phenol, p-tert-butyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.734	272.91 ng	6872210	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	96
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	93
3	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	74
4	Imidazo[1,2-c]pyrimidin-5-ol	135	C6H5N3O	055662-66-3	58
5	5-Cyano-1,2,3,4-tetrahydro-4,6-d...	150	C8H10N2O	027036-93-7	52





Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

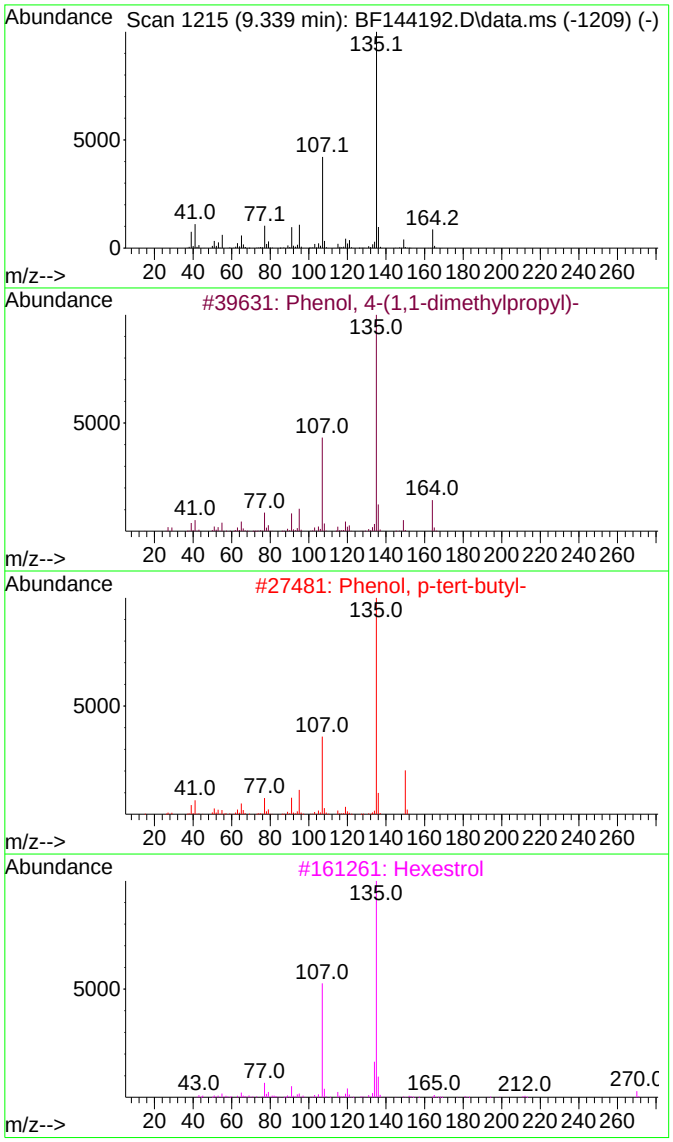
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

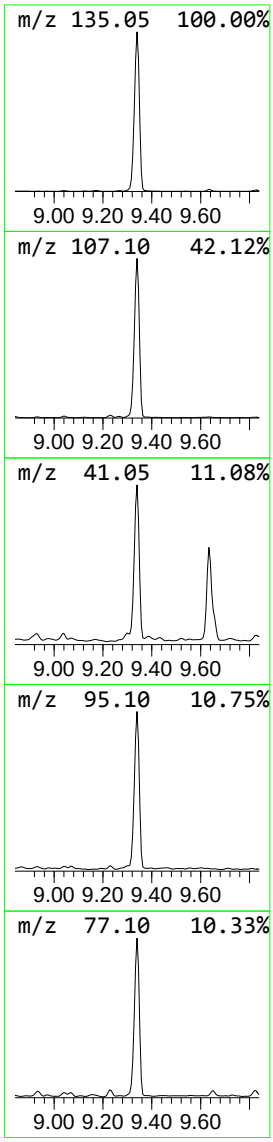
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenol, 4-(1,1-dimethylprop... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.339	117.04 ng	3906630	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	95
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	86
3	Hexestrol	270	C18H22O2	000084-16-2	72
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	64
5	4,4'-(1,2-diethylethylene)diphenol	270	C18H22O2	005635-50-7	64





Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

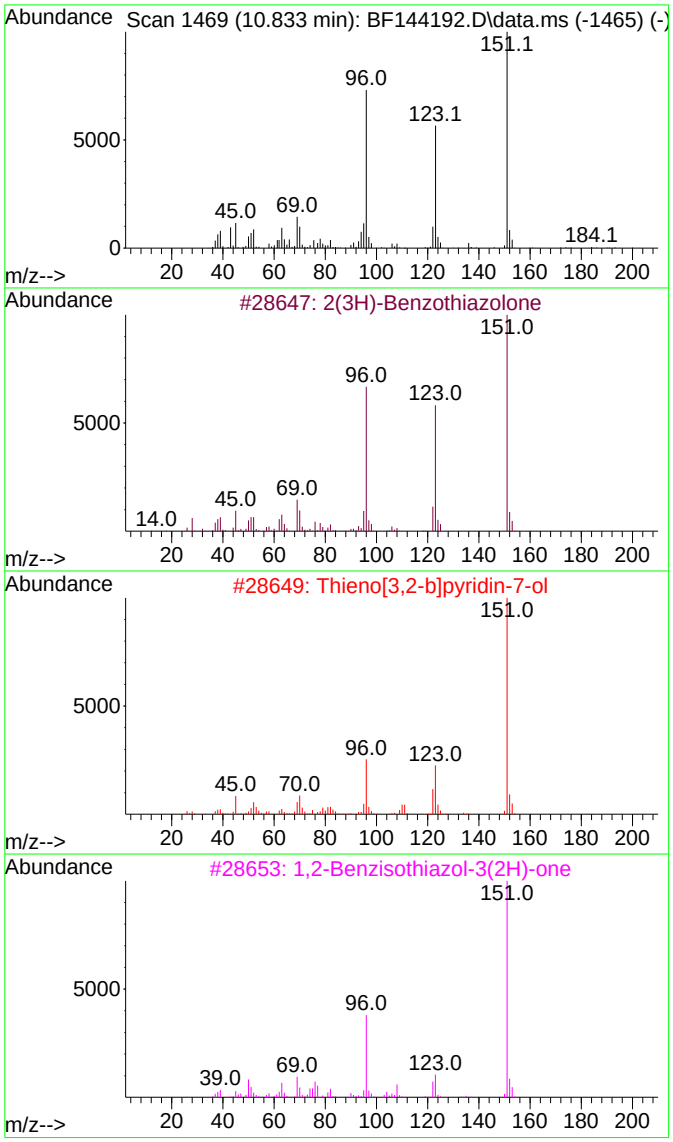
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

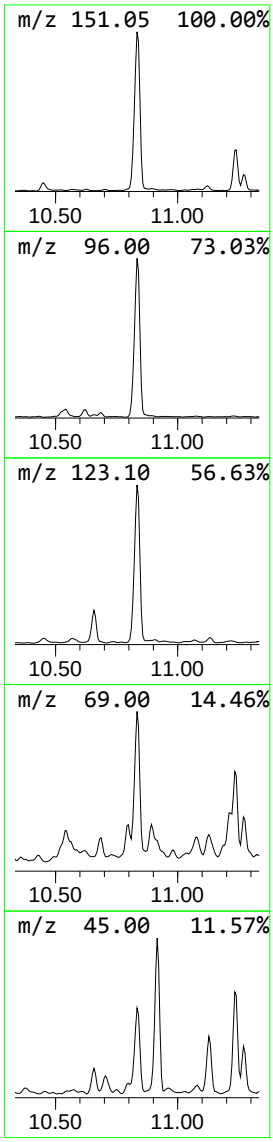
****

Peak Number 12 2(3H)-Benzothiazolone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.834	26.18 ng	664454	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Benzothiazolone	151	C7H5NOS	000934-34-9	94
2	Thieno[3,2-b]pyridin-7-ol	151	C7H5NOS	107818-20-2	58
3	1,2-Benzisothiazol-3(2H)-one	151	C7H5NOS	002634-33-5	49
4	6-Methyl-7-oxo-4,7-dihydro-triaz...	151	C5H5N5O	057250-39-2	47
5	2-Cyano-3-fluorophenylhydrazine	151	C7H6FN3	1000131-91-9	46





Sample Results: **BF144192.D**

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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On    : 06 Nov 2025  17:24
Operator  : RC/JU
Sample    : Q3534-05
Misc      :
ALS Vial  : 14   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

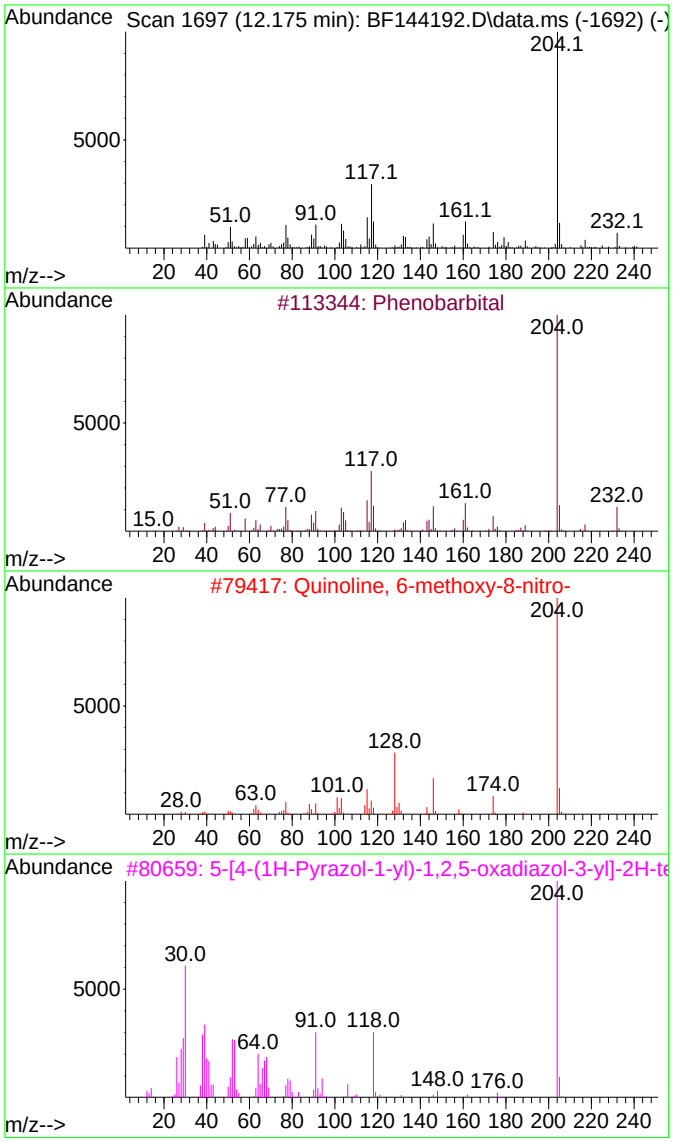
TIC Library    : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

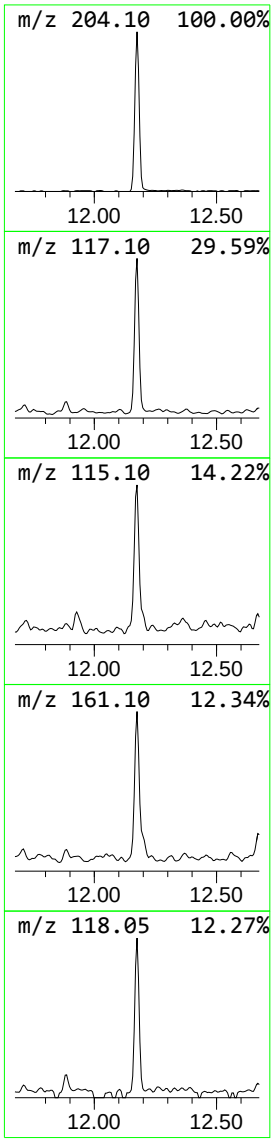
Instrument :
BNA_F
ClientSampleId :
MW-EB-1

```
*********************************************************************
Peak Number 17  Phenobarbital                    Concentration Rank 18
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.175	10.86 ng	275526	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenobarbital	232	C12H12N2O3	000050-06-6	96
2	Quinoline, 6-methoxy-8-nitro-	204	C10H8N2O3	000085-81-4	52
3	5-[4-(1H-Pyrazol-1-yl)-1,2,5-oxa...	204	C6H4N8O	1000460-43-6	47
4	2-Methyl-6-nitro-4-quinolinol	204	C10H8N2O3	001207-82-5	47
5	6-Hydroxy-8-nitrolepidine	204	C10H8N2O3	1000213-59-0	47





Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

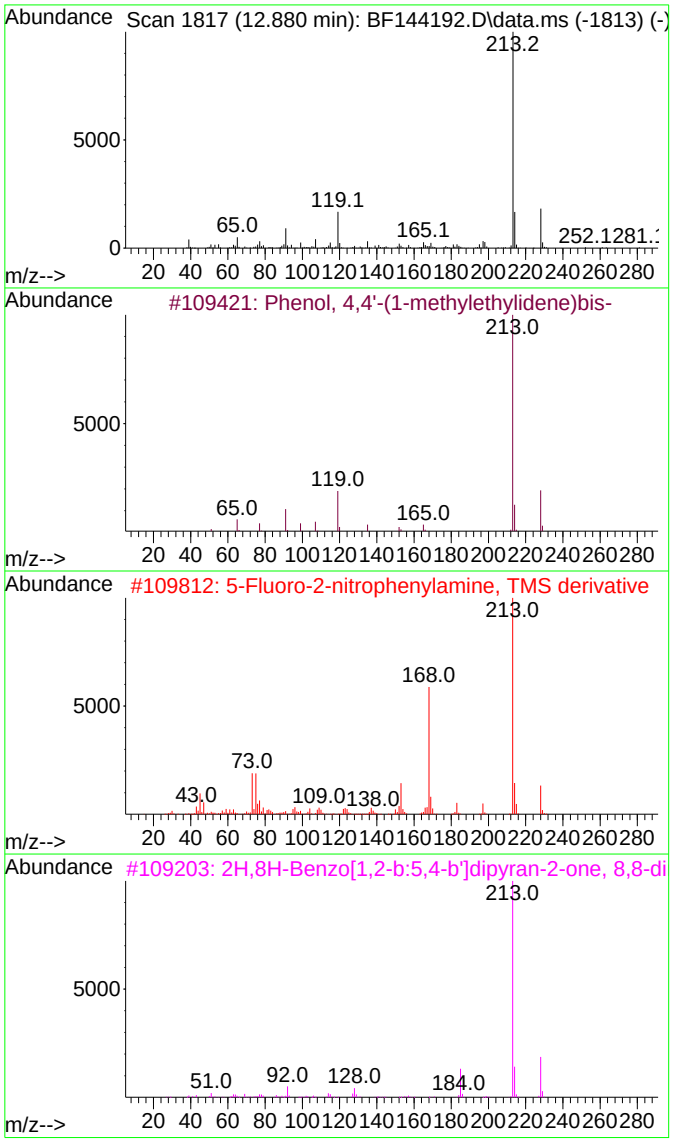
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

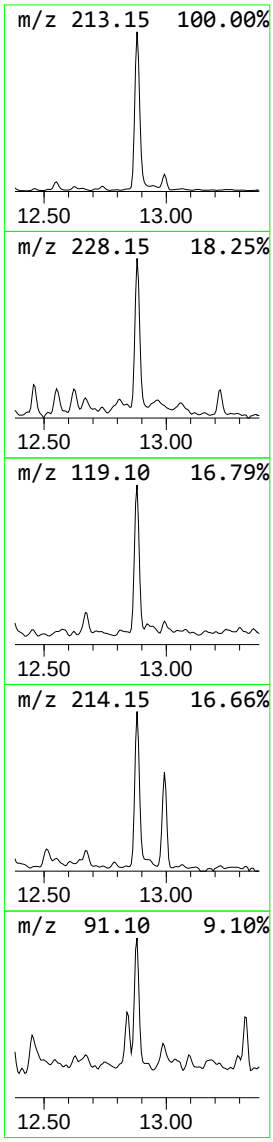
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Phenol, 4,4'-(1-methylethyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.880	10.65 ng	248792	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	96
2	5-Fluoro-2-nitrophenylamine, TMS...	228	C9H13FN2O2Si	1000484-54-5	59
3	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	59
4	4H-Pyrazolo[5,1-c]-1,4-benzodiaz...	213	C11H7N3O2	1000277-20-1	59
5	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	59





Sample Results: **BF144192.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144192.D
Acq On : 06 Nov 2025 17:24
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Triethylamine	2.222	9.4	ng	209686	1	6.875	447492	20.0
Indane	7.051	41.2	ng	921791	1	6.875	447492	20.0
Phenol, p-tert-...	8.734	272.9	ng	6872210	2	8.157	503630	20.0
Phenol, 4-(1,1-...	9.339	117.0	ng	3906630	3	9.910	667546	20.0
2(3H)-Benzothia...	10.834	26.2	ng	664454	4	11.404	507550	20.0
Phenobarbital	12.175	10.9	ng	275526	4	11.404	507550	20.0
Phenol, 4,4'-(1...	12.880	10.7	ng	248792	5	14.051	467083	20.0

Raw Data: **BP026084.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-2	SDG No.:	Q3534
Lab Sample ID:	Q3534-06	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	980 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	4.00	U	1	4.00	10.2	ug/L	11/06/25 19:48	PB170424
108-95-2	Phenol	0.93	U	1	0.93	5.10	ug/L	11/06/25 19:48	PB170424
111-44-4	bis(2-Chloroethyl)ether	0.83	U	1	0.83	5.10	ug/L	11/06/25 19:48	PB170424
95-57-8	2-Chlorophenol	0.59	U	1	0.59	5.10	ug/L	11/06/25 19:48	PB170424
95-48-7	2-Methylphenol	1.10	U	1	1.10	5.10	ug/L	11/06/25 19:48	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.10	ug/L	11/06/25 19:48	PB170424
98-86-2	Acetophenone	0.76	U	1	0.76	5.10	ug/L	11/06/25 19:48	PB170424
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.2	ug/L	11/06/25 19:48	PB170424
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1	1.40	2.60	ug/L	11/06/25 19:48	PB170424
67-72-1	Hexachloroethane	0.66	U	1	0.66	5.10	ug/L	11/06/25 19:48	PB170424
98-95-3	Nitrobenzene	0.78	U	1	0.78	5.10	ug/L	11/06/25 19:48	PB170424
78-59-1	Isophorone	0.77	U	1	0.77	5.10	ug/L	11/06/25 19:48	PB170424
88-75-5	2-Nitrophenol	1.80	U	1	1.80	5.10	ug/L	11/06/25 19:48	PB170424
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.10	ug/L	11/06/25 19:48	PB170424
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	1	0.69	5.10	ug/L	11/06/25 19:48	PB170424
120-83-2	2,4-Dichlorophenol	0.53	U	1	0.53	5.10	ug/L	11/06/25 19:48	PB170424
91-20-3	Naphthalene	0.51	U	1	0.51	5.10	ug/L	11/06/25 19:48	PB170424
106-47-8	4-Chloroaniline	0.86	UQ	1	0.86	5.10	ug/L	11/06/25 19:48	PB170424
87-68-3	Hexachlorobutadiene	0.55	U	1	0.55	5.10	ug/L	11/06/25 19:48	PB170424
105-60-2	Caprolactam	1.20	U	1	1.20	10.2	ug/L	11/06/25 19:48	PB170424
59-50-7	4-Chloro-3-methylphenol	0.60	U	1	0.60	5.10	ug/L	11/06/25 19:48	PB170424
91-57-6	2-Methylnaphthalene	0.57	U	1	0.57	5.10	ug/L	11/06/25 19:48	PB170424
77-47-4	Hexachlorocyclopentadiene	3.70	U	1	3.70	10.2	ug/L	11/06/25 19:48	PB170424
88-06-2	2,4,6-Trichlorophenol	0.52	U	1	0.52	5.10	ug/L	11/06/25 19:48	PB170424
95-95-4	2,4,5-Trichlorophenol	0.63	U	1	0.63	5.10	ug/L	11/06/25 19:48	PB170424
92-52-4	1,1-Biphenyl	0.54	U	1	0.54	5.10	ug/L	11/06/25 19:48	PB170424
91-58-7	2-Chloronaphthalene	0.62	U	1	0.62	5.10	ug/L	11/06/25 19:48	PB170424
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.10	ug/L	11/06/25 19:48	PB170424
131-11-3	Dimethylphthalate	0.62	U	1	0.62	5.10	ug/L	11/06/25 19:48	PB170424
208-96-8	Acenaphthylene	0.77	U	1	0.77	5.10	ug/L	11/06/25 19:48	PB170424
606-20-2	2,6-Dinitrotoluene	0.94	U	1	0.94	5.10	ug/L	11/06/25 19:48	PB170424
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.10	ug/L	11/06/25 19:48	PB170424
83-32-9	Acenaphthene	0.56	U	1	0.56	5.10	ug/L	11/06/25 19:48	PB170424
51-28-5	2,4-Dinitrophenol	6.10	U	1	6.10	10.2	ug/L	11/06/25 19:48	PB170424
100-02-7	4-Nitrophenol	2.40	U	1	2.40	10.2	ug/L	11/06/25 19:48	PB170424
132-64-9	Dibenzofuran	0.62	U	1	0.62	5.10	ug/L	11/06/25 19:48	PB170424
121-14-2	2,4-Dinitrotoluene	1.20	U	1	1.20	5.10	ug/L	11/06/25 19:48	PB170424
84-66-2	Diethylphthalate	0.70	U	1	0.70	5.10	ug/L	11/06/25 19:48	PB170424
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	1	0.69	5.10	ug/L	11/06/25 19:48	PB170424
86-73-7	Fluorene	0.64	U	1	0.64	5.10	ug/L	11/06/25 19:48	PB170424
100-01-6	4-Nitroaniline	1.50	U	1	1.50	5.10	ug/L	11/06/25 19:48	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	1	2.90	10.2	ug/L	11/06/25 19:48	PB170424

Raw Data: **BP026084.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-2	SDG No.:	Q3534
Lab Sample ID:	Q3534-06	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	980 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.59	U	1	0.59	5.10	ug/L	11/06/25 19:48	PB170424
101-55-3	4-Bromophenyl-phenylether	0.41	U	1	0.41	5.10	ug/L	11/06/25 19:48	PB170424
118-74-1	Hexachlorobenzene	0.53	U	1	0.53	5.10	ug/L	11/06/25 19:48	PB170424
1912-24-9	Atrazine	1.00	U	1	1.00	5.10	ug/L	11/06/25 19:48	PB170424
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.2	ug/L	11/06/25 19:48	PB170424
85-01-8	Phenanthrene	0.51	U	1	0.51	5.10	ug/L	11/06/25 19:48	PB170424
120-12-7	Anthracene	0.62	U	1	0.62	5.10	ug/L	11/06/25 19:48	PB170424
86-74-8	Carbazole	0.73	U	1	0.73	5.10	ug/L	11/06/25 19:48	PB170424
84-74-2	Di-n-butylphthalate	1.20	U	1	1.20	5.10	ug/L	11/06/25 19:48	PB170424
206-44-0	Fluoranthene	0.84	U	1	0.84	5.10	ug/L	11/06/25 19:48	PB170424
129-00-0	Pyrene	0.51	U	1	0.51	5.10	ug/L	11/06/25 19:48	PB170424
85-68-7	Butylbenzylphthalate	2.00	U	1	2.00	5.10	ug/L	11/06/25 19:48	PB170424
91-94-1	3,3-Dichlorobenzidine	0.95	U	1	0.95	10.2	ug/L	11/06/25 19:48	PB170424
56-55-3	Benzo(a)anthracene	0.46	U	1	0.46	5.10	ug/L	11/06/25 19:48	PB170424
218-01-9	Chrysene	0.45	U	1	0.45	5.10	ug/L	11/06/25 19:48	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1	1.60	5.10	ug/L	11/06/25 19:48	PB170424
117-84-0	Di-n-octyl phthalate	2.40	U	1	2.40	10.2	ug/L	11/06/25 19:48	PB170424
205-99-2	Benzo(b)fluoranthene	0.50	U	1	0.50	5.10	ug/L	11/06/25 19:48	PB170424
207-08-9	Benzo(k)fluoranthene	0.49	U	1	0.49	5.10	ug/L	11/06/25 19:48	PB170424
50-32-8	Benzo(a)pyrene	0.56	U	1	0.56	5.10	ug/L	11/06/25 19:48	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	1	0.60	5.10	ug/L	11/06/25 19:48	PB170424
53-70-3	Dibenzo(a,h)anthracene	0.68	U	1	0.68	5.10	ug/L	11/06/25 19:48	PB170424
191-24-2	Benzo(g,h,i)perylene	0.70	U	1	0.70	5.10	ug/L	11/06/25 19:48	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	1	0.53	5.10	ug/L	11/06/25 19:48	PB170424
123-91-1	1,4-Dioxane	3.60	J	1	1.00	5.10	ug/L	11/06/25 19:48	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	0.73	U	1	0.73	5.10	ug/L	11/06/25 19:48	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	64.1			15 (23) - 110 (138)	43%	SPK: 150		
13127-88-3	Phenol-d6	42.4			15 (10) - 110 (134)	28%	SPK: 150		
4165-60-0	Nitrobenzene-d5	90.9			30 (67) - 130 (132)	91%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.0			30 (52) - 130 (132)	79%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	159			15 (44) - 110 (137)	106%	SPK: 150		
1718-51-0	Terphenyl-d14	79.5			30 (42) - 130 (152)	79%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	311000							
1146-65-2	Naphthalene-d8	1200000							
15067-26-2	Acenaphthene-d10	734000							
1517-22-2	Phenanthrene-d10	1480000							
1719-03-5	Chrysene-d12	1670000							
1520-96-3	Perylene-d12	1950000							
TENTATIVE IDENTIFIED COMPOUNDS									
000149-57-5	Hexanoic acid, 2-ethyl-	38.5	J			9.01	ug/L		
65-85-0	Benzoic acid	6.10	J			9.68	ug/L		

Raw Data: **BP026084.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-2	SDG No.:	Q3534
Lab Sample ID:	Q3534-06	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	980 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
003884-95-5	Phenol, 2-(1,1,3,3-tetramethylbuty	3.50	J			15.3	ug/L		
000126-73-8	Tributyl phosphate	3.20	J			15.6	ug/L		
000119-61-9	Benzophenone	7.40	J			15.7	ug/L		
000057-43-2	Amobarbital	15.8	J			16.4	ug/L		
000057-10-3	n-Hexadecanoic acid	7.30	J			18.1	ug/L		
000050-06-6	Phenobarbital	3.10	J			18.5	ug/L		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **BP026084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Quant Time: Nov 07 01:02:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	311269	20.000	ng	-0.01
21) Naphthalene-d8	10.449	136	1204036	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	734309	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1476005	20.000	ng	0.00
76) Chrysene-d12	21.572	240	1673935	20.000	ng	0.00
86) Perylene-d12	24.895	264	1952856	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1208679	64.074	ng	0.00
7) Phenol-d6	6.849	99	1017253	42.368	ng	0.00
23) Nitrobenzene-d5	8.819	82	1756493	90.944	ng	0.00
42) 2,4,6-Tribromophenol	15.825	330	1265917	159.464	ng	0.00
45) 2-Fluorobiphenyl	12.925	172	4039177	79.040	ng	0.00
79) Terphenyl-d14	19.866	244	6548074	79.475	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.231	88	28071	3.530	ng	# 85
32) Benzoic acid	9.678	122	23950	6.009	ng	98

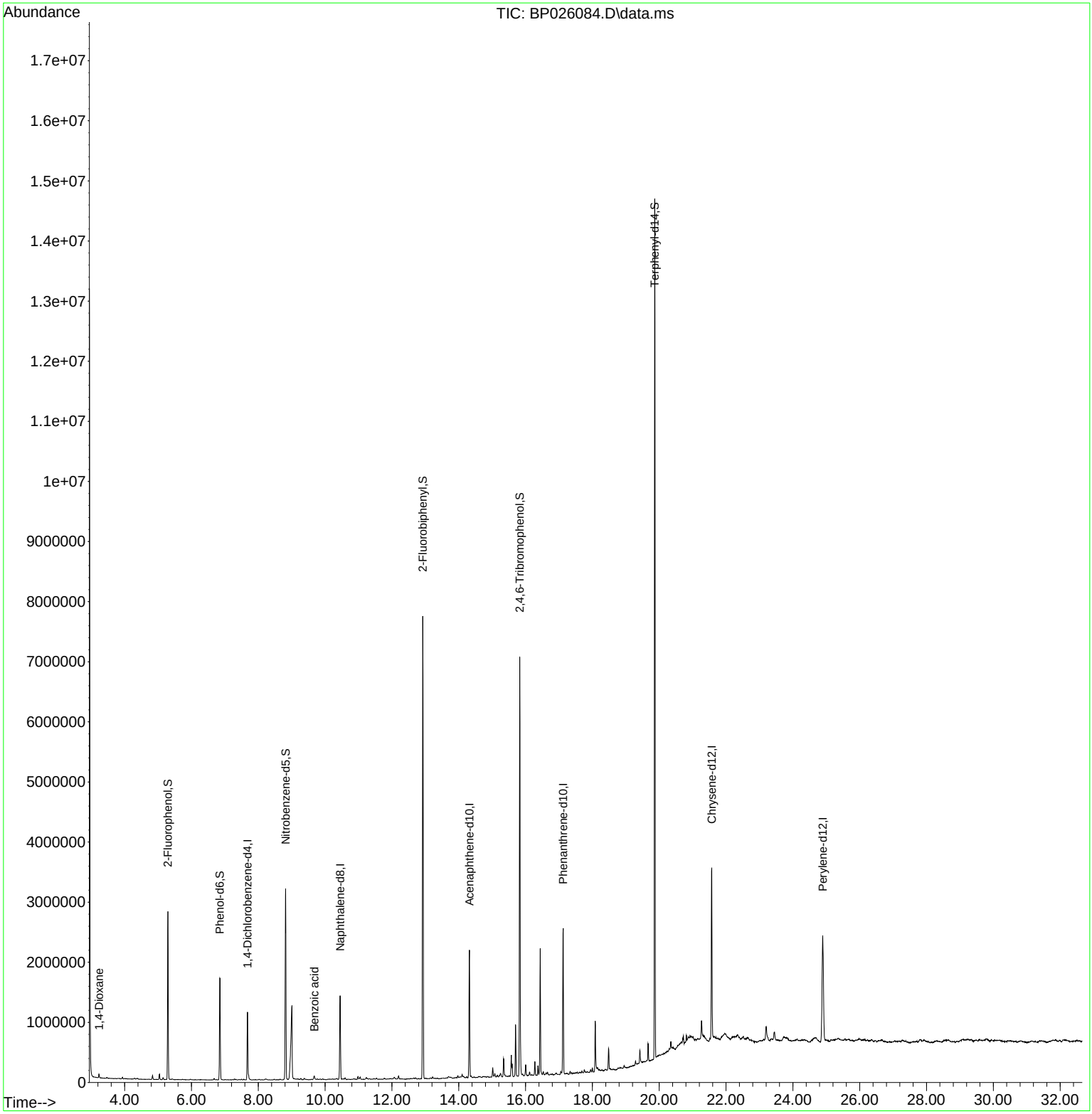
(#) = qualifier out of range (m) = manual integration (+) = signals summed

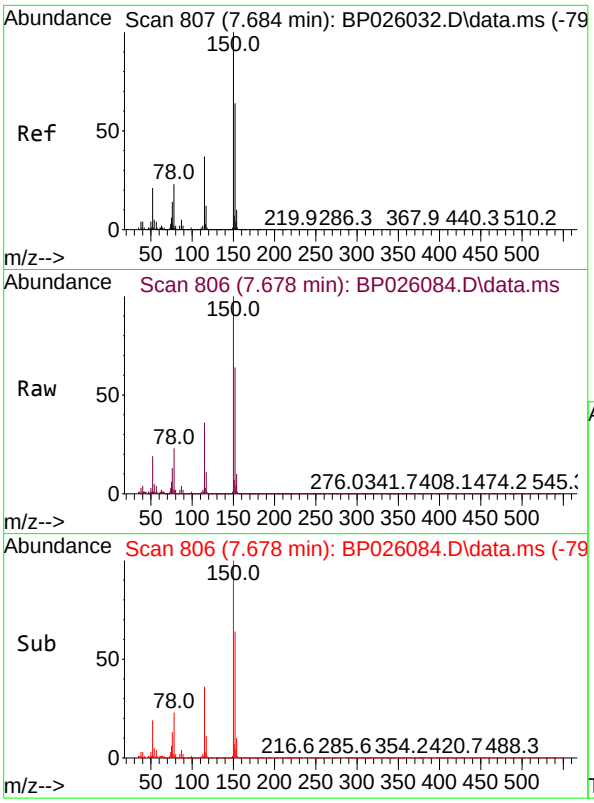
Sample Results: **BP026084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Quant Time: Nov 07 01:02:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



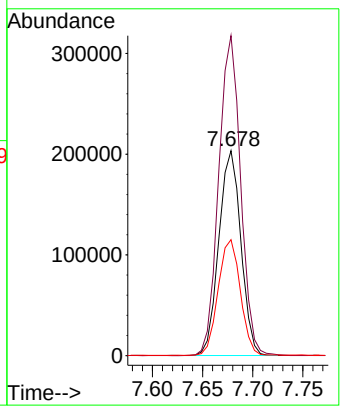


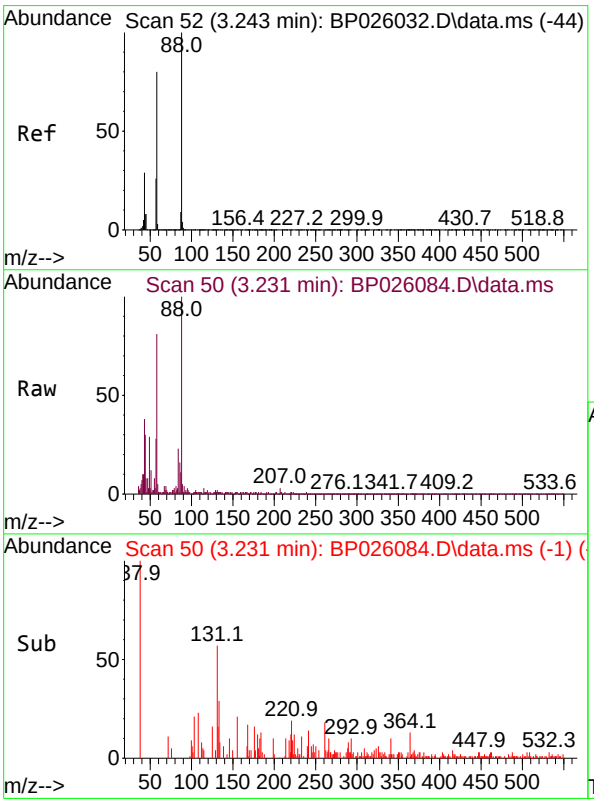
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Tgt Ion:152 Resp: 311269

Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.7	188.5
115	56.6	46.4	69.6

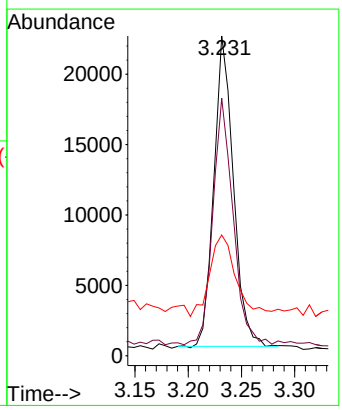


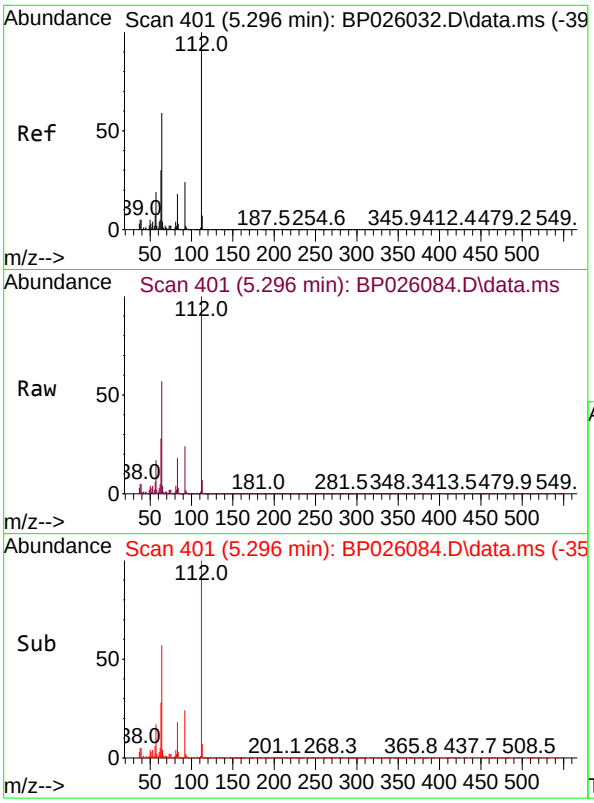


#2
1,4-Dioxane
Concen: 3.530 ng
RT: 3.231 min Scan# 50
Delta R.T. -0.006 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Tgt Ion: 88 Resp: 28071

Ion	Ratio	Lower	Upper
88	100		
58	82.3	65.4	98.0
43	0.0	23.1	34.7#



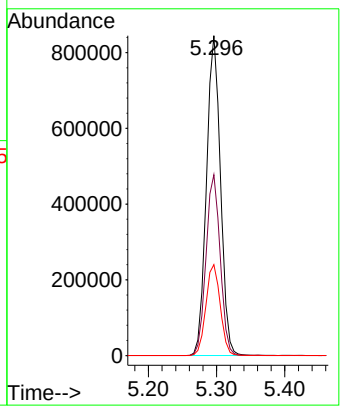


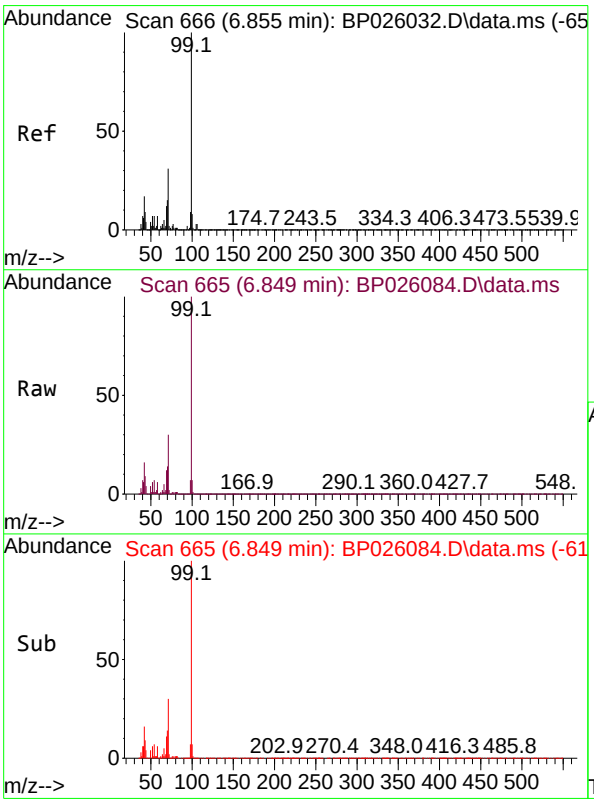
#5
2-Fluorophenol
Concen: 64.074 ng
RT: 5.296 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Tgt Ion:112 Resp: 1208679

Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.4	71.2
63	28.4	24.2	36.4

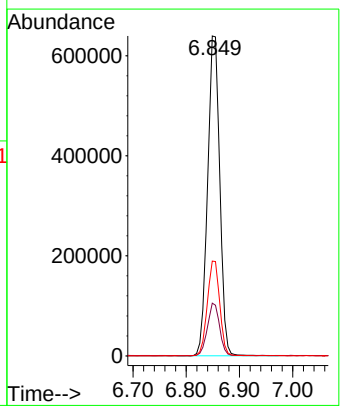


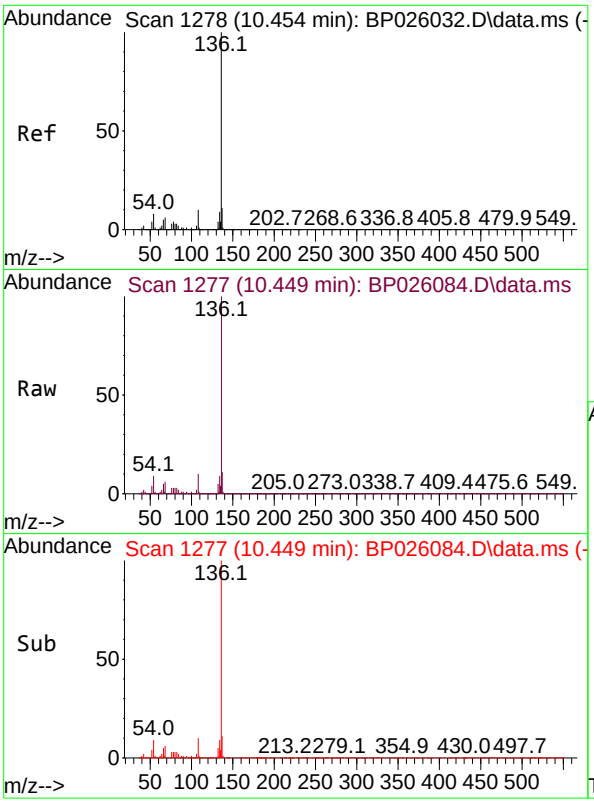


#7
Phenol-d6
Concen: 42.368 ng
RT: 6.849 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Tgt Ion: 99 Resp: 1017253

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.7	20.5
71	29.6	24.4	36.6



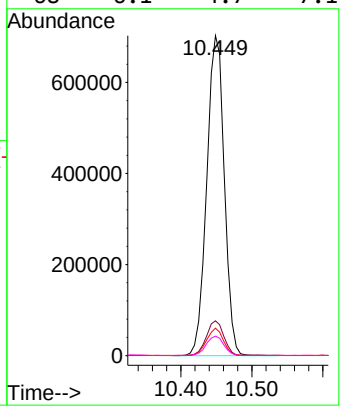


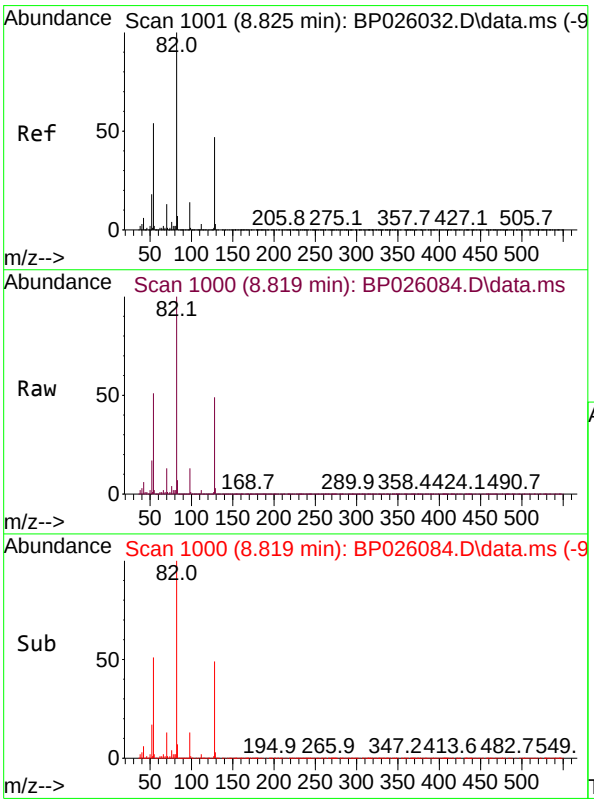
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Tgt Ion:136 Resp: 1204036

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.6	6.6	10.0
68	6.1	4.7	7.1

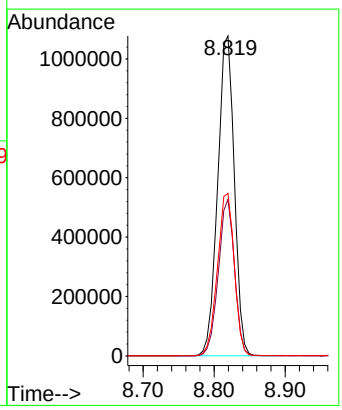


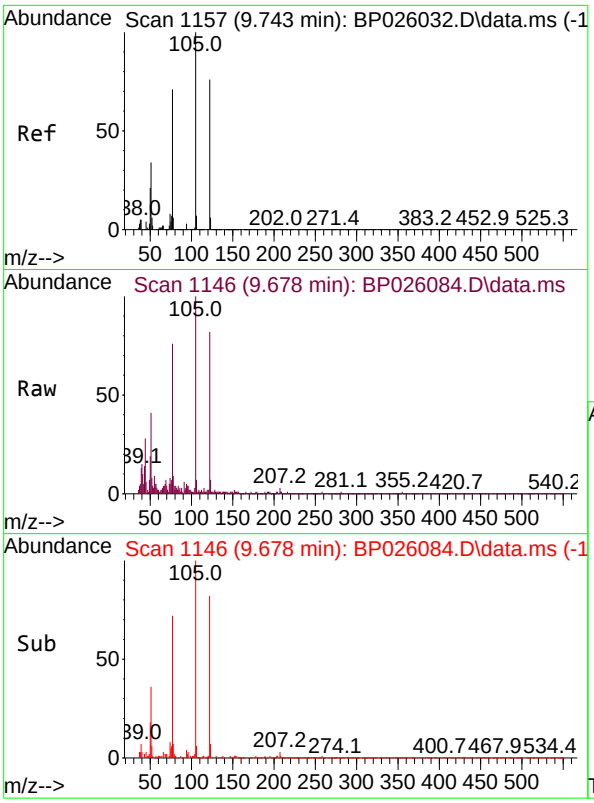


#23
Nitrobenzene-d5
Concen: 90.944 ng
RT: 8.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Tgt Ion: 82 Resp: 1756493

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.4	56.0
54	50.8	42.7	64.1



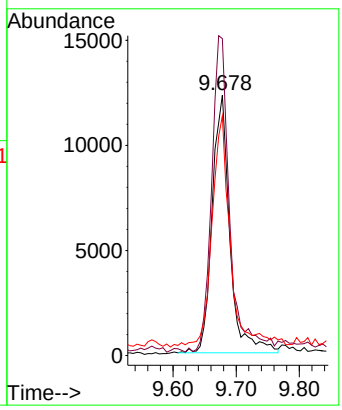


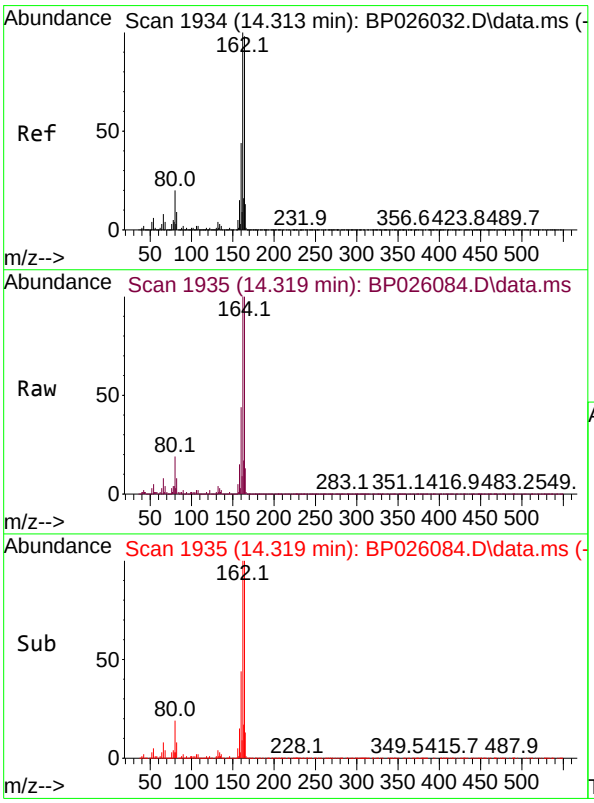
#32
Benzoic acid
Concen: 6.009 ng
RT: 9.678 min Scan# 1
Delta R.T. -0.100 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Tgt Ion:122 Resp: 23950

Ion	Ratio	Lower	Upper
122	100		
105	121.7	104.8	144.8
77	92.0	70.9	110.9

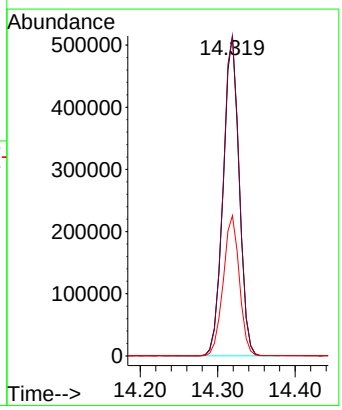


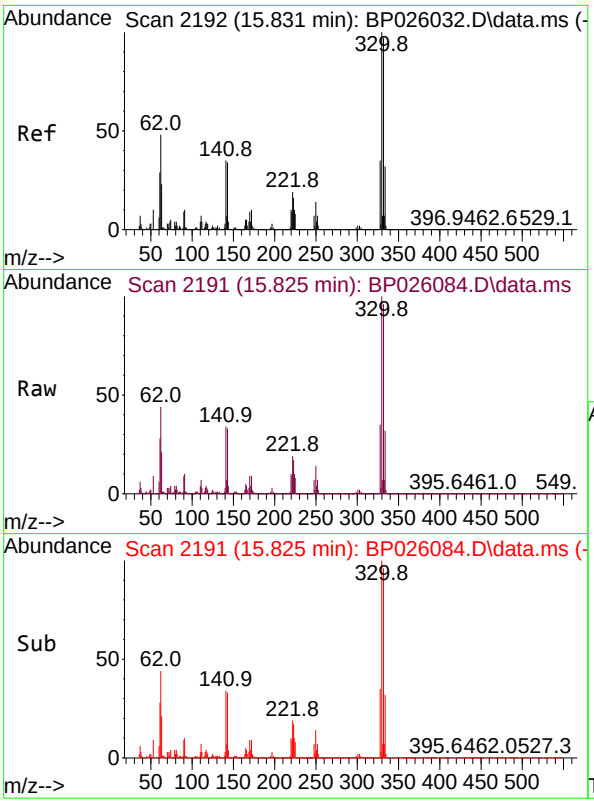


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Tgt Ion:164 Resp: 734309

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.5	122.3
160	43.9	36.2	54.4



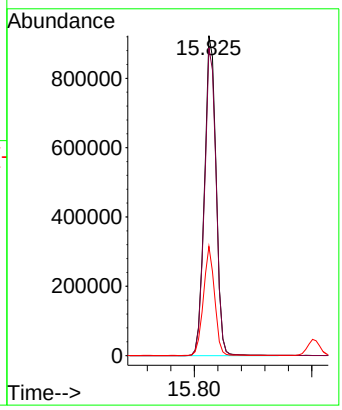


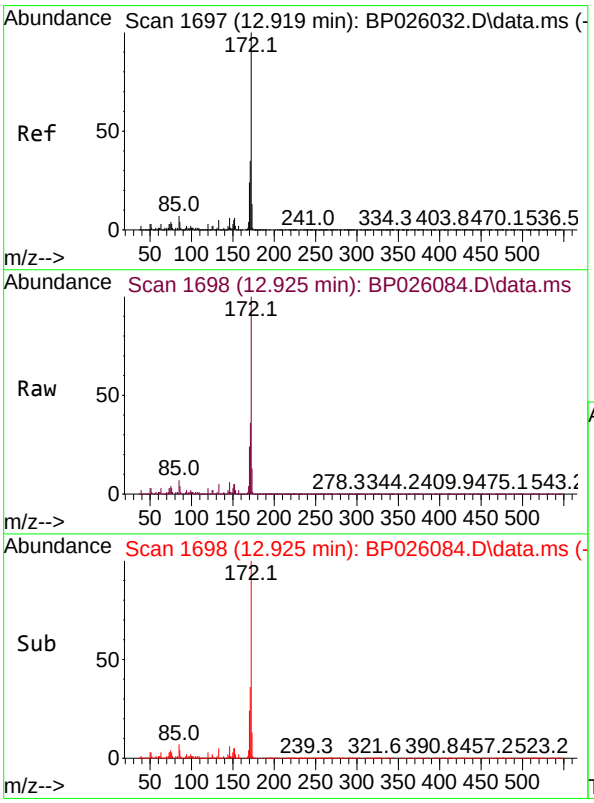
#42
2,4,6-Tribromophenol
Concen: 159.464 ng
RT: 15.825 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Tgt Ion:330 Resp: 1265917

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	32.7	28.6	42.8

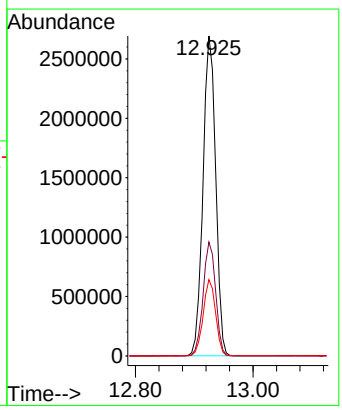


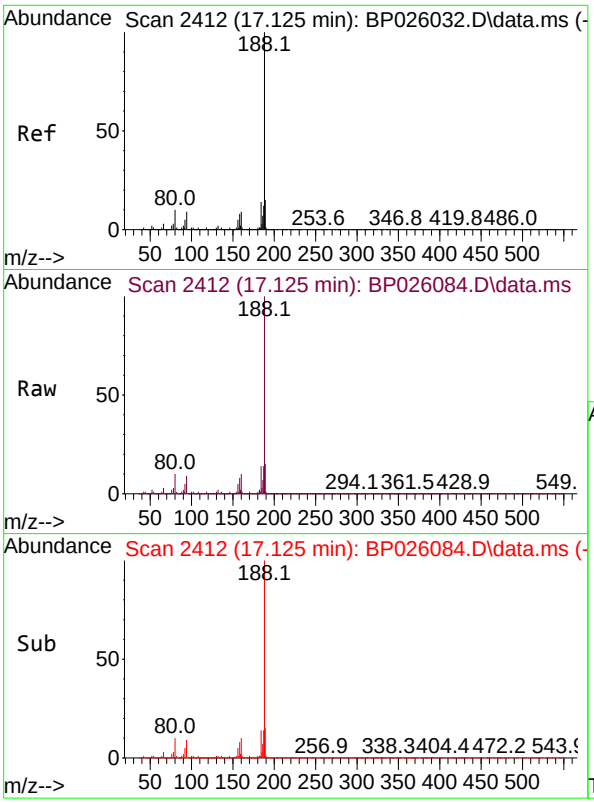


#45
2-Fluorobiphenyl
Concen: 79.040 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Tgt Ion:172 Resp: 4039177

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.9	41.9
170	23.8	19.0	28.4



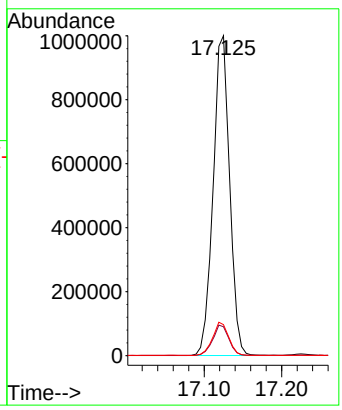


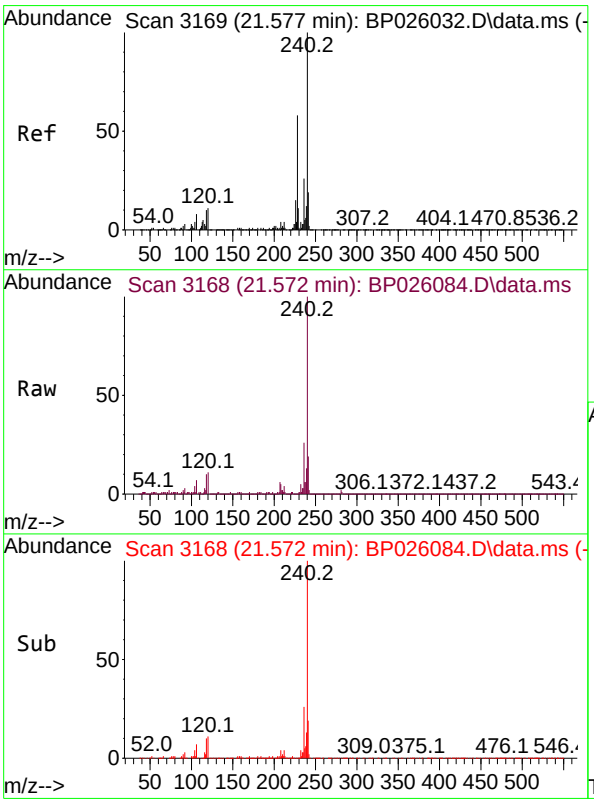
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Tgt Ion:188 Resp: 1476005

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.1	10.7
80	9.7	7.9	11.9

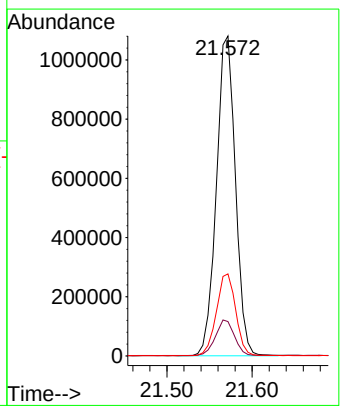


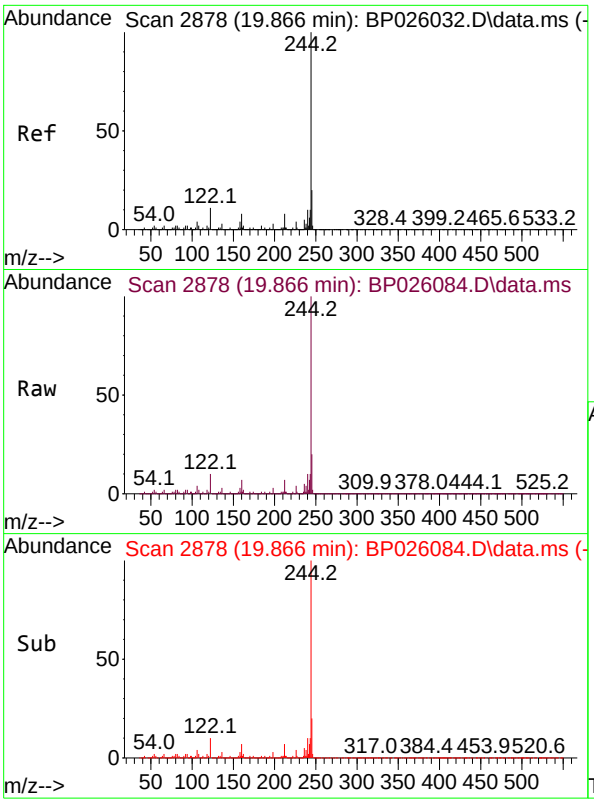


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3168
Delta R.T. 0.006 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Tgt Ion:240 Resp: 1673935

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.6	20.6	31.0



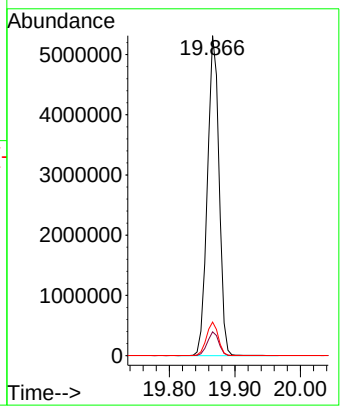


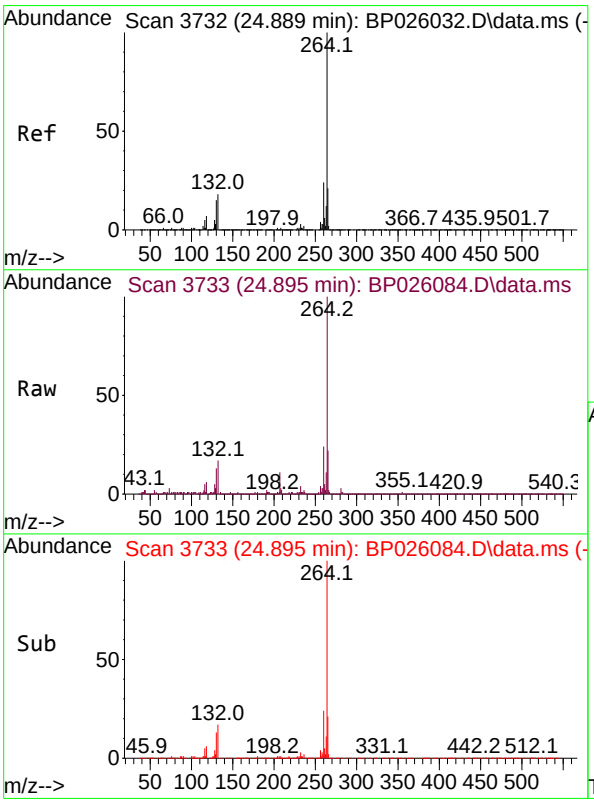
#79
Terphenyl-d14
Concen: 79.475 ng
RT: 19.866 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Tgt Ion:244 Resp: 6548074

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	10.5	9.0	13.6

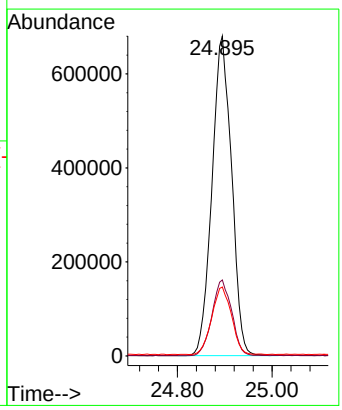




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.895 min Scan# 3733
Delta R.T. 0.012 min
Lab File: BP026084.D
Acq: 06 Nov 2025 19:48

Tgt Ion:264 Resp: 1952856

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.5	17.2	25.8



Sample Results: **BP026084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026084.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.296	394	401	410	rBV	2796871	4048681	23.01%	4.833%
2	6.849	658	665	675	rBV	1695173	2752932	15.64%	3.287%
3	7.678	798	806	824	rVB	1129024	1873663	10.65%	2.237%
4	8.819	992	1000	1009	rBV	3172683	5173099	29.40%	6.176%
5	9.008	1012	1032	1040	rBV	1231081	3532418	20.07%	4.217%
6	10.449	1270	1277	1284	rBV	1392306	2370314	13.47%	2.830%
7	12.925	1691	1698	1706	rBV	7696742	11383768	64.69%	13.590%
8	14.319	1927	1935	1941	rBV	2128399	3156599	17.94%	3.768%
9	15.019	2047	2054	2059	rBV	152879	260248	1.48%	0.311%
10	15.343	2104	2109	2121	rBV	303676	539576	3.07%	0.644%
11	15.572	2143	2148	2151	rBV	354362	488882	2.78%	0.584%
12	15.601	2151	2153	2158	rVB	207314	209866	1.19%	0.251%
13	15.701	2164	2170	2179	rVB	854913	1147721	6.52%	1.370%
14	15.825	2185	2191	2202	rBV	6971070	9776480	55.56%	11.672%
15	16.001	2217	2221	2227	rVB	177805	251041	1.43%	0.300%
16	16.278	2264	2268	2273	rVB	230369	303333	1.72%	0.362%
17	16.372	2280	2284	2288	rBV	160498	215237	1.22%	0.257%
18	16.437	2288	2295	2300	rBV	2091984	2782099	15.81%	3.321%
19	17.125	2405	2412	2420	rVB	2425255	3600897	20.46%	4.299%
20	18.084	2570	2575	2583	rBV	846769	1291907	7.34%	1.542%
21	18.484	2638	2643	2649	rBV	346618	546453	3.11%	0.652%
22	19.419	2799	2802	2812	rBV	201342	304437	1.73%	0.363%
23	19.666	2841	2844	2850	rVB	291658	358011	2.03%	0.427%
24	19.866	2873	2878	2884	rBV	14301037	17596876	100.00%	21.008%
25	21.266	3113	3116	3125	rVB2	263633	384213	2.18%	0.459%
26	21.572	3162	3168	3178	rBV2	2829743	4459858	25.34%	5.324%
27	24.895	3724	3733	3745	rVB	1737157	4954677	28.16%	5.915%

Sum of corrected areas: 83763286

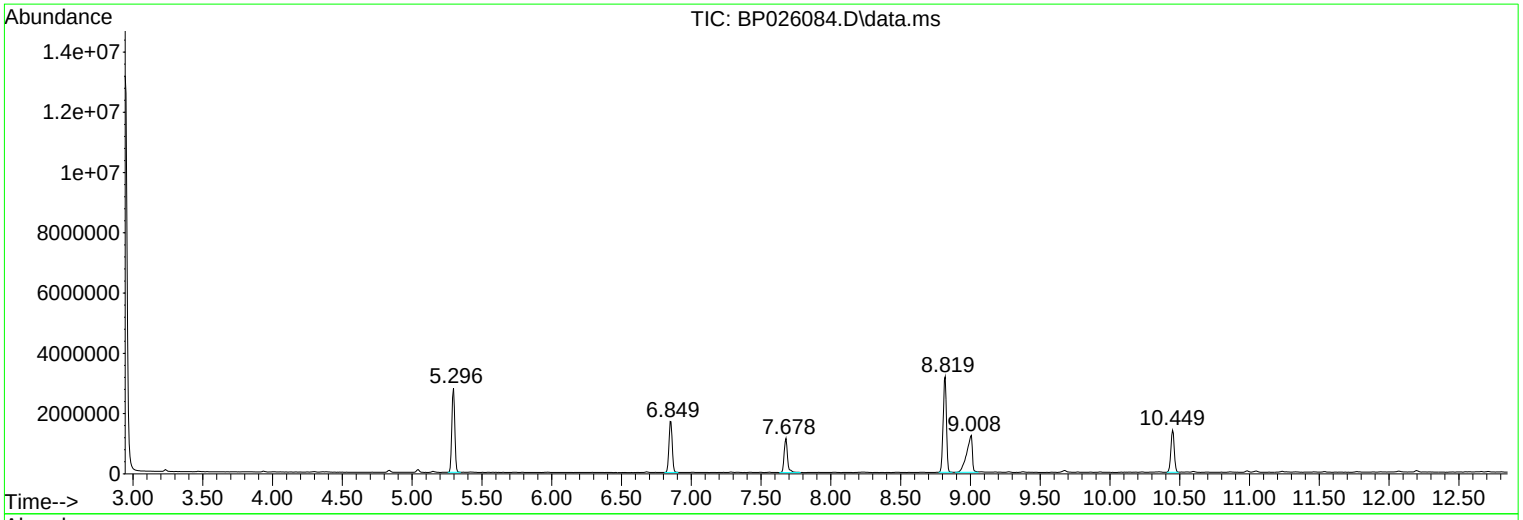
Sample Results: **BP026084.D**

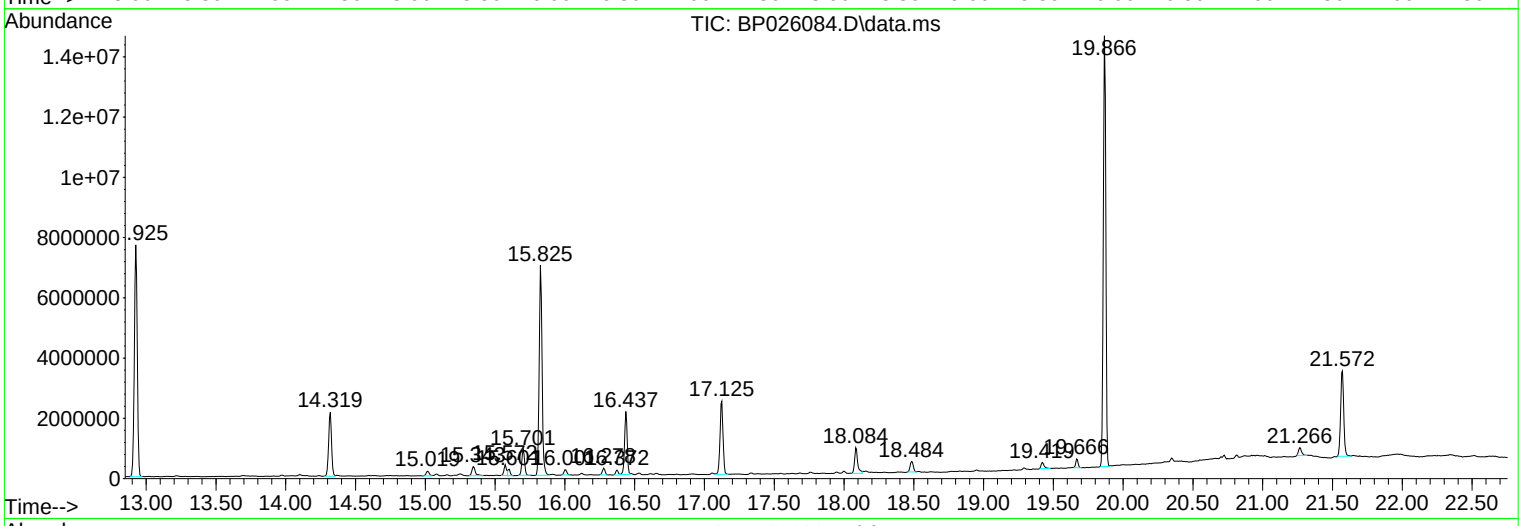
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

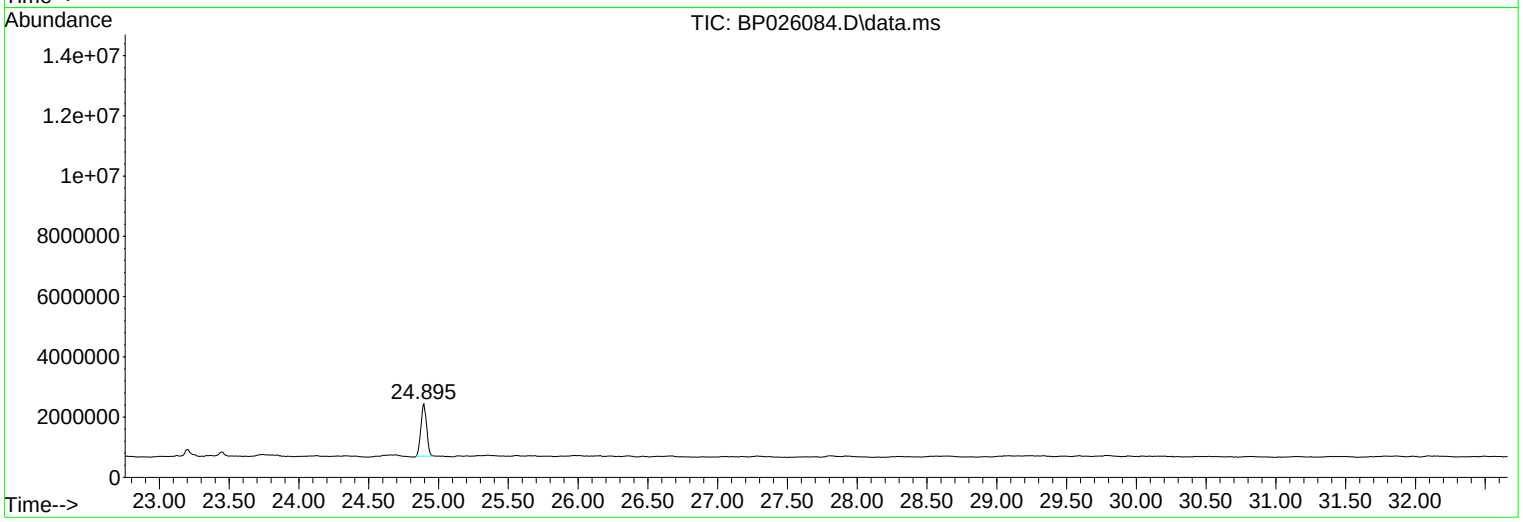
Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Sample Results: **BP026084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

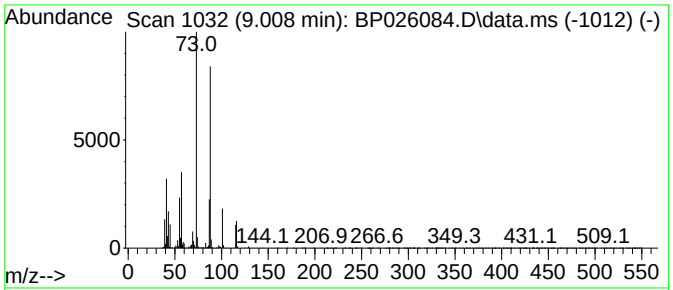
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

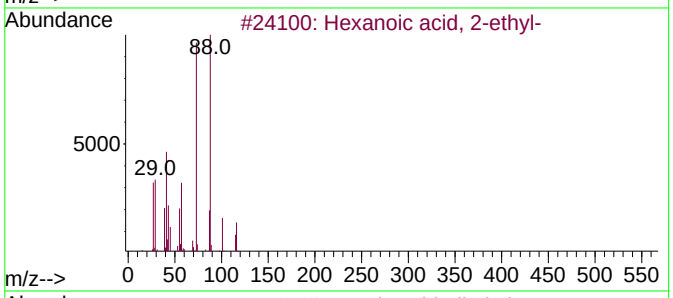
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

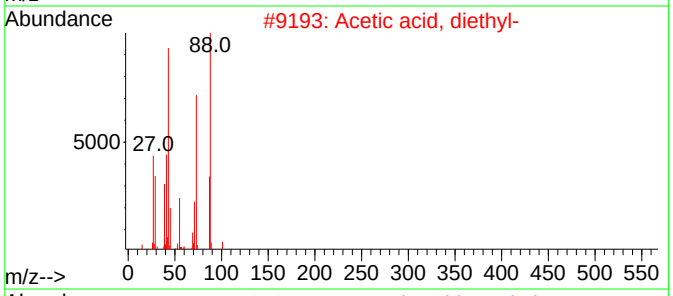
****
Peak Number 1 Hexanoic acid, 2-ethyl- Concentration Rank 1

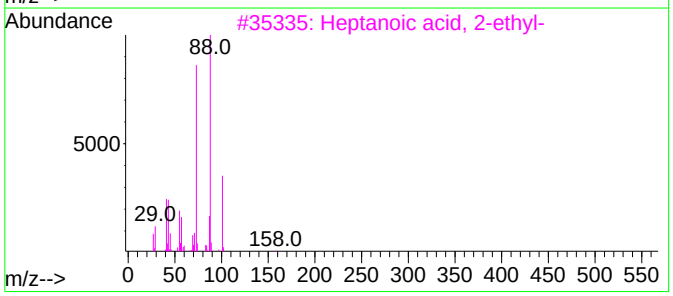
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.008	37.71 ng	3532420	1,4-Dichlorobenzene-d4	7.678

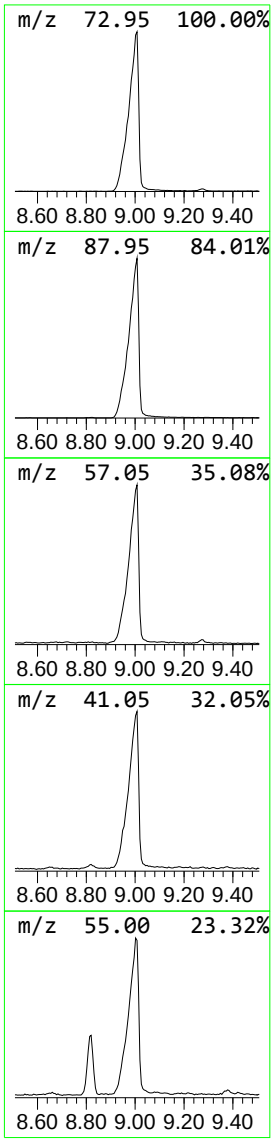
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	59
3	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	59
4	2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	56
5	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	45











Sample Results: **BP026084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

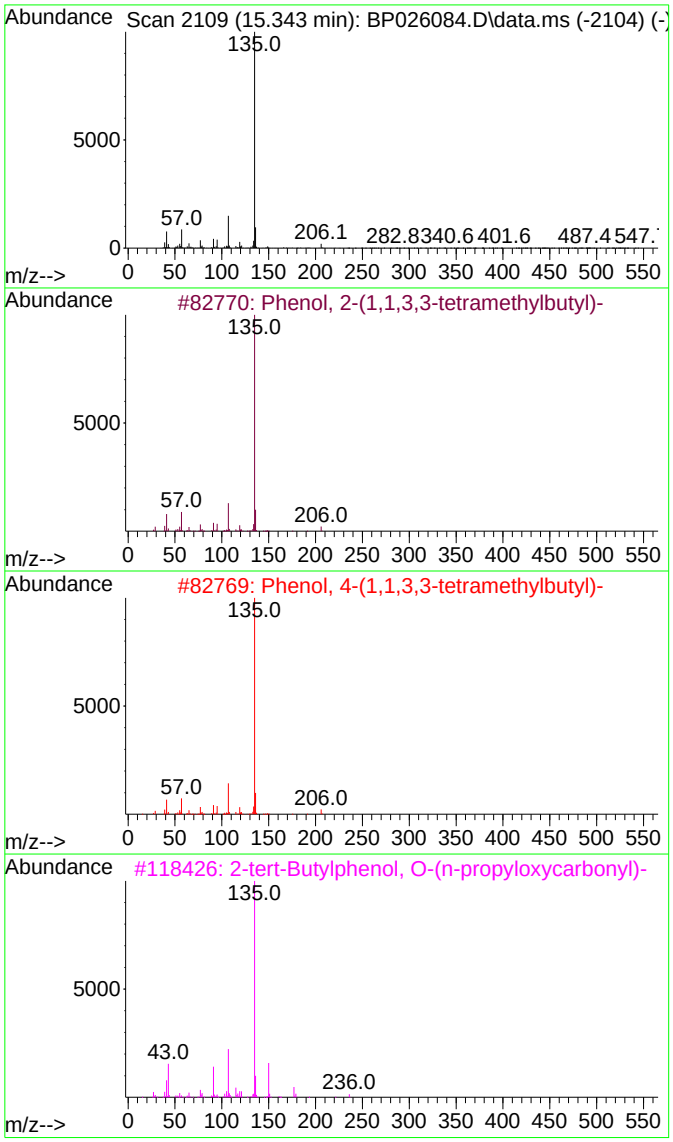
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

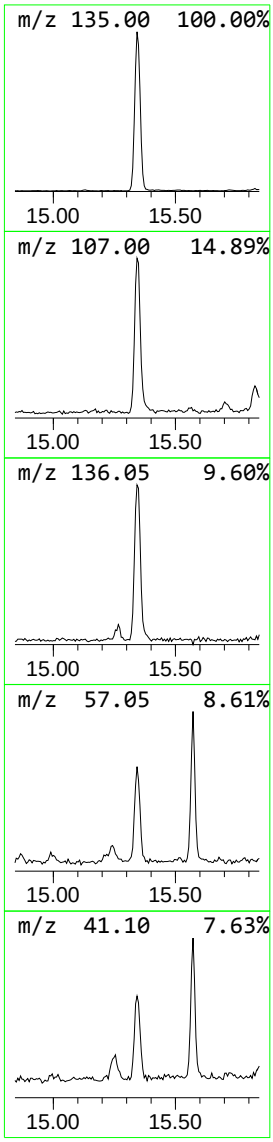
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Phenol, 2-(1,1,3,3-tetramet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.342	3.42 ng	539576	Acenaphthene-d10	14.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1,3,3-tetramethylbu...	206	C14H22O	003884-95-5	97
2	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	95
3	2-tert-Butylphenol, O-(n-propylo...	236	C14H20O3	1000487-37-9	78
4	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
5	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	78





Sample Results: **BP026084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

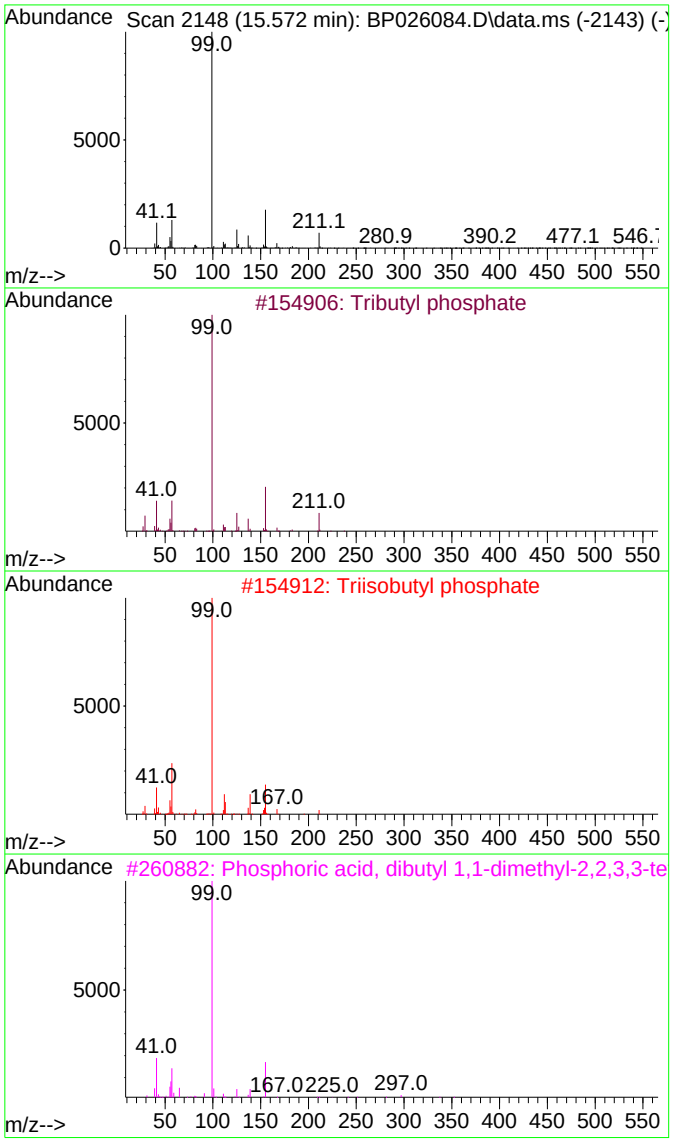
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

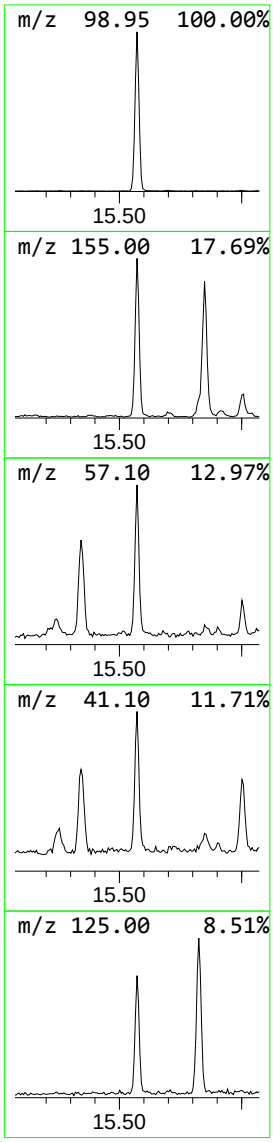
****

Peak Number 3 Tributyl phosphate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.572	3.10 ng	488882	Acenaphthene-d10	14.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl phosphate	266	C12H27O4P	000126-73-8	91
2	Triisobutyl phosphate	266	C12H27O4P	000126-71-6	78
3	Phosphoric acid, dibutyl 1,1-dim...	352	C13H25F4O4P	1000298-93-9	72
4	Phosphoric acid, dibutyl 3-trifl...	348	C14H28F3O4P	1000298-93-8	39
5	Fumaric acid, 4-chlorophenyl hep...	324	C17H21ClO4	1000405-84-2	38





Sample Results: **BP026084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

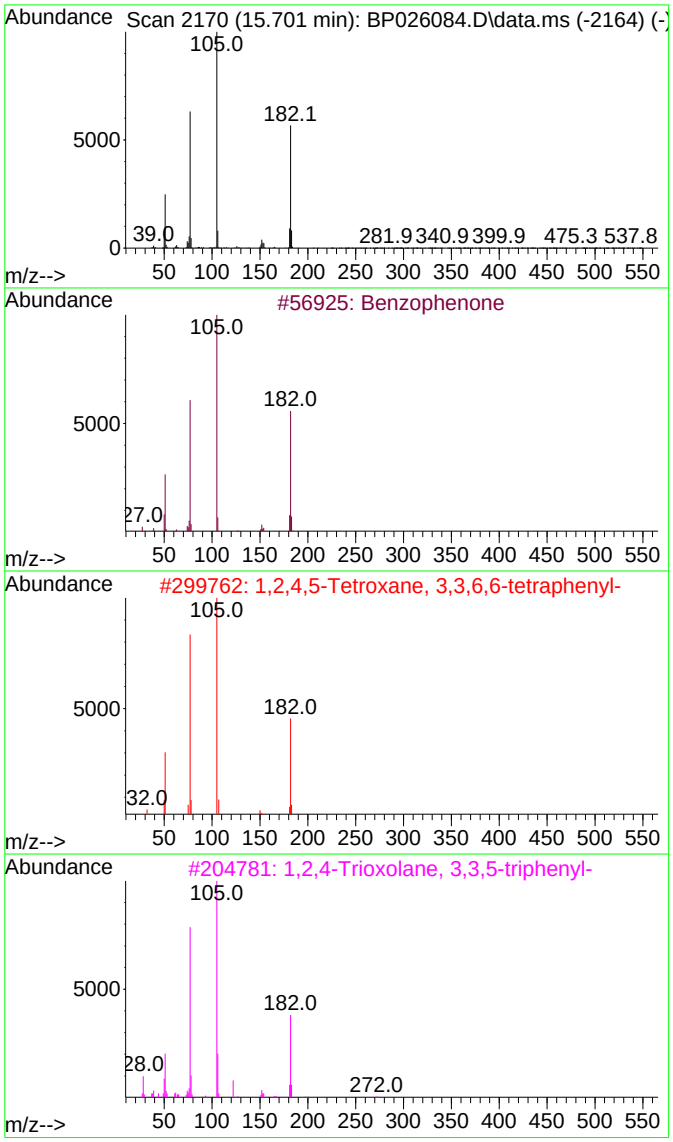
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

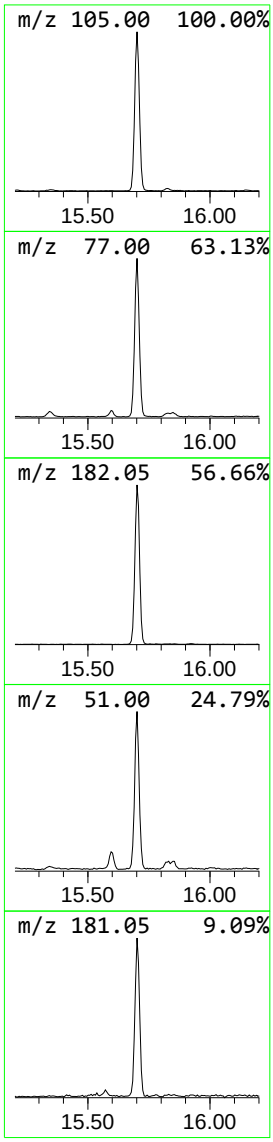
****

Peak Number 4 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.701	7.27 ng	1147720	Acenaphthene-d10	14.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45
4	Azobenzene	182	C12H10N2	000103-33-3	40
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	27





Sample Results: **BP026084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

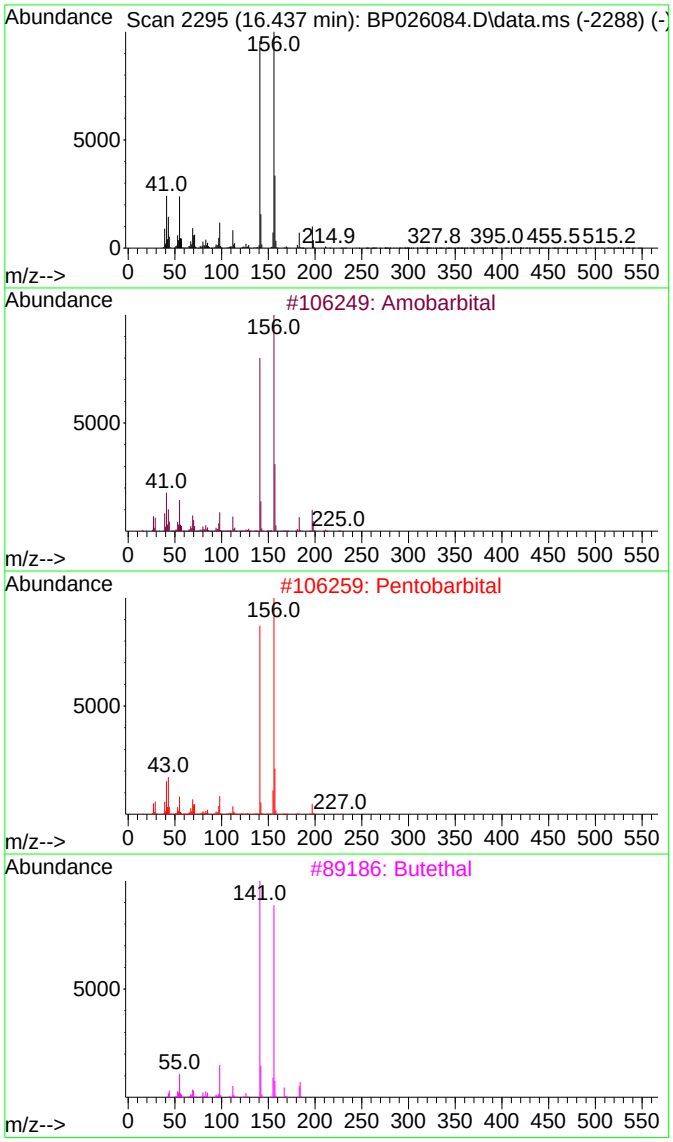
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

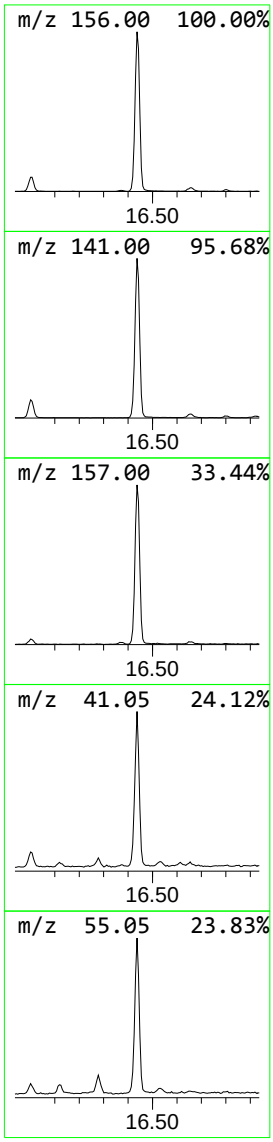
****

Peak Number 5 Amobarbital Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.437	15.45 ng	2782100	Phenanthrene-d10	17.125

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amobarbital	226	C11H18N2O3	000057-43-2	94
2	Pentobarbital	226	C11H18N2O3	000076-74-4	86
3	Butethal	212	C10H16N2O3	000077-28-1	80
4	Butabarbital	212	C10H16N2O3	000125-40-6	72
5	3,4-Dihydro-4,4,6-trimethyl-2-py...	156	C7H12N2S	005392-23-4	59





Sample Results: **BP026084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

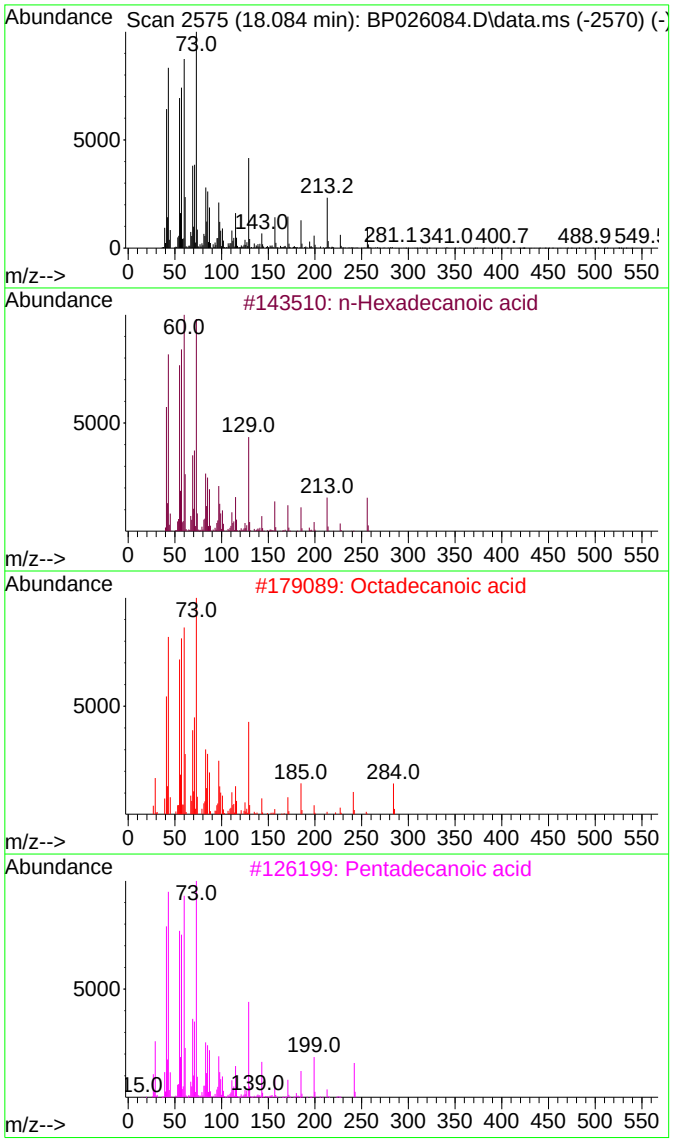
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

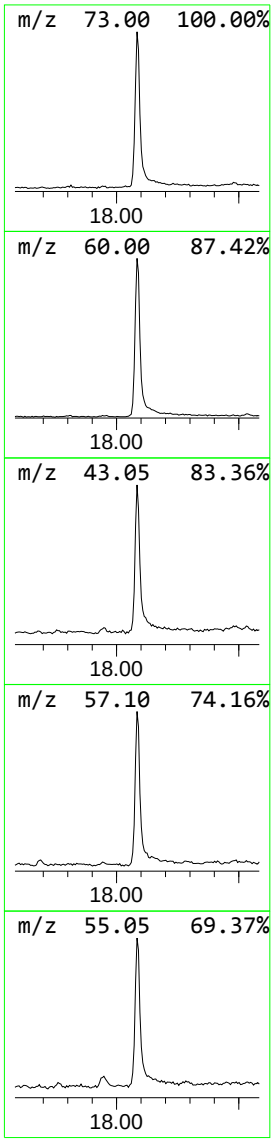
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.084	7.18 ng	1291910	Phenanthrene-d10	17.125

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	92
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	91





Sample Results: **BP026084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

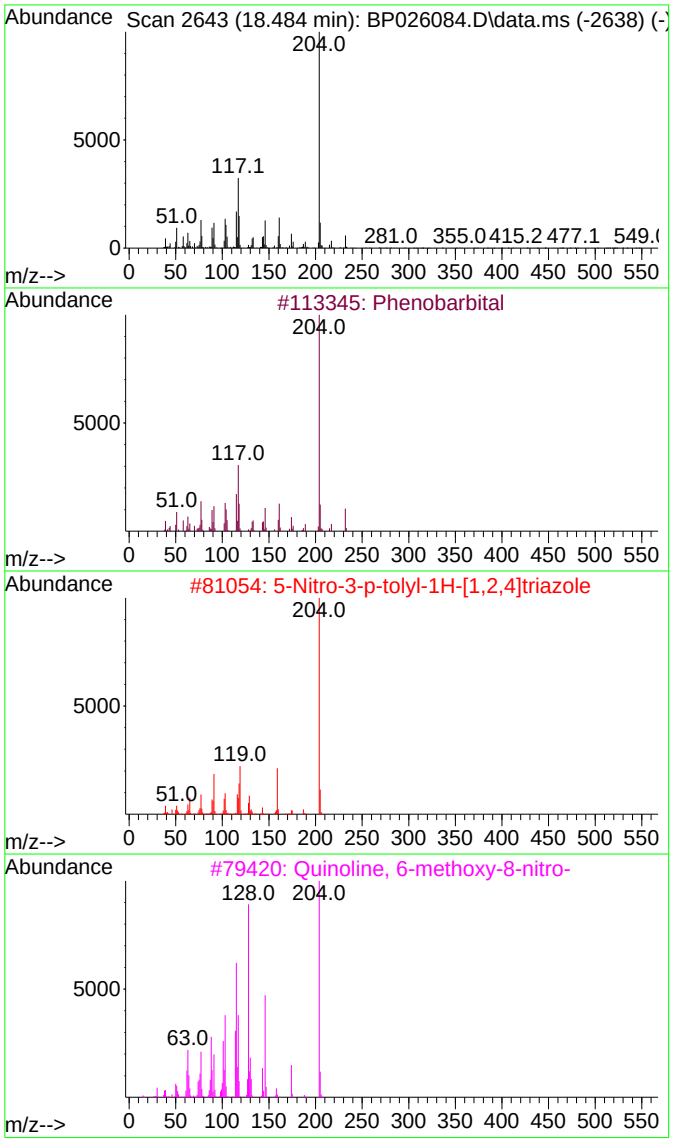
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

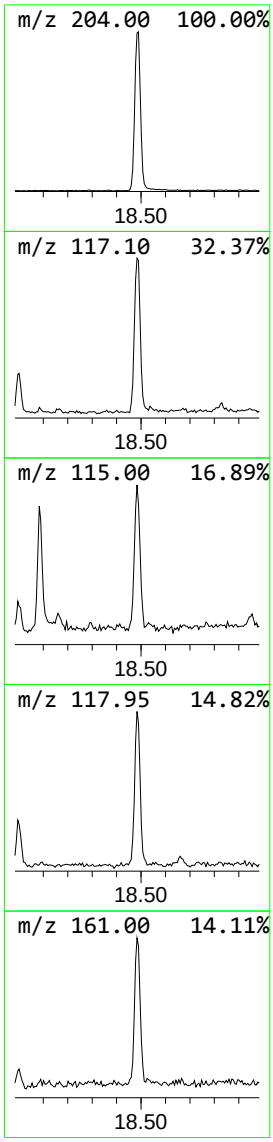
****

Peak Number 7 Phenobarbital Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.483	3.04 ng	546453	Phenanthrene-d10	17.125

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenobarbital	232	C12H12N2O3	000050-06-6	95
2	5-Nitro-3-p-tolyl-1H-[1,2,4]tria...	204	C9H8N4O2	1010296-48-9	53
3	Quinoline, 6-methoxy-8-nitro-	204	C10H8N2O3	000085-81-4	50
4	Quinoline, 6-methoxy-5-nitro-	204	C10H8N2O3	006623-91-2	49
5	4-tert-Butyl-N-[2-(2-fluoro-phen...	315	C19H22FNO2	329919-98-4	47





Sample Results: **BP026084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026084.D
Acq On : 06 Nov 2025 19:48
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-EB-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Hexanoic acid, ...	9.008	37.7	ng	3532420	1	7.678	1873660	20.0
Phenol, 2-(1,1,...	15.342	3.4	ng	539576	3	14.319	3156600	20.0
Tributyl phosphate	15.572	3.1	ng	488882	3	14.319	3156600	20.0
Benzophenone	15.701	7.3	ng	1147720	3	14.319	3156600	20.0
Amobarbital	16.437	15.4	ng	2782100	4	17.125	3600900	20.0
n-Hexadecanoic ...	18.084	7.2	ng	1291910	4	17.125	3600900	20.0
Phenobarbital	18.483	3.0	ng	546453	4	17.125	3600900	20.0

Raw Data: **BG064706.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-3	SDG No.:	Q3534
Lab Sample ID:	Q3534-07	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	970 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	4.00	U	1	4.00	10.3	ug/L	11/06/25 17:09	PB170424
108-95-2	Phenol	0.94	U	1	0.94	5.20	ug/L	11/06/25 17:09	PB170424
111-44-4	bis(2-Chloroethyl)ether	0.84	U	1	0.84	5.20	ug/L	11/06/25 17:09	PB170424
95-57-8	2-Chlorophenol	0.60	U	1	0.60	5.20	ug/L	11/06/25 17:09	PB170424
95-48-7	2-Methylphenol	1.20	U	1	1.20	5.20	ug/L	11/06/25 17:09	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.20	ug/L	11/06/25 17:09	PB170424
98-86-2	Acetophenone	0.76	U	1	0.76	5.20	ug/L	11/06/25 17:09	PB170424
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.3	ug/L	11/06/25 17:09	PB170424
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1	1.50	2.60	ug/L	11/06/25 17:09	PB170424
67-72-1	Hexachloroethane	0.67	U	1	0.67	5.20	ug/L	11/06/25 17:09	PB170424
98-95-3	Nitrobenzene	0.78	U	1	0.78	5.20	ug/L	11/06/25 17:09	PB170424
78-59-1	Isophorone	0.77	U	1	0.77	5.20	ug/L	11/06/25 17:09	PB170424
88-75-5	2-Nitrophenol	1.80	U	1	1.80	5.20	ug/L	11/06/25 17:09	PB170424
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.20	ug/L	11/06/25 17:09	PB170424
111-91-1	bis(2-Chloroethoxy)methane	0.70	U	1	0.70	5.20	ug/L	11/06/25 17:09	PB170424
120-83-2	2,4-Dichlorophenol	0.54	U	1	0.54	5.20	ug/L	11/06/25 17:09	PB170424
91-20-3	Naphthalene	0.52	U	1	0.52	5.20	ug/L	11/06/25 17:09	PB170424
106-47-8	4-Chloroaniline	0.87	UQ	1	0.87	5.20	ug/L	11/06/25 17:09	PB170424
87-68-3	Hexachlorobutadiene	0.56	U	1	0.56	5.20	ug/L	11/06/25 17:09	PB170424
105-60-2	Caprolactam	1.20	U	1	1.20	10.3	ug/L	11/06/25 17:09	PB170424
59-50-7	4-Chloro-3-methylphenol	0.61	U	1	0.61	5.20	ug/L	11/06/25 17:09	PB170424
91-57-6	2-Methylnaphthalene	0.58	U	1	0.58	5.20	ug/L	11/06/25 17:09	PB170424
77-47-4	Hexachlorocyclopentadiene	3.70	U	1	3.70	10.3	ug/L	11/06/25 17:09	PB170424
88-06-2	2,4,6-Trichlorophenol	0.53	U	1	0.53	5.20	ug/L	11/06/25 17:09	PB170424
95-95-4	2,4,5-Trichlorophenol	0.64	U	1	0.64	5.20	ug/L	11/06/25 17:09	PB170424
92-52-4	1,1-Biphenyl	0.55	U	1	0.55	5.20	ug/L	11/06/25 17:09	PB170424
91-58-7	2-Chloronaphthalene	0.63	U	1	0.63	5.20	ug/L	11/06/25 17:09	PB170424
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.20	ug/L	11/06/25 17:09	PB170424
131-11-3	Dimethylphthalate	0.63	U	1	0.63	5.20	ug/L	11/06/25 17:09	PB170424
208-96-8	Acenaphthylene	0.77	U	1	0.77	5.20	ug/L	11/06/25 17:09	PB170424
606-20-2	2,6-Dinitrotoluene	0.95	U	1	0.95	5.20	ug/L	11/06/25 17:09	PB170424
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.20	ug/L	11/06/25 17:09	PB170424
83-32-9	Acenaphthene	0.57	U	1	0.57	5.20	ug/L	11/06/25 17:09	PB170424
51-28-5	2,4-Dinitrophenol	6.20	U	1	6.20	10.3	ug/L	11/06/25 17:09	PB170424
100-02-7	4-Nitrophenol	2.50	U	1	2.50	10.3	ug/L	11/06/25 17:09	PB170424
132-64-9	Dibenzofuran	0.63	U	1	0.63	5.20	ug/L	11/06/25 17:09	PB170424
121-14-2	2,4-Dinitrotoluene	1.30	U	1	1.30	5.20	ug/L	11/06/25 17:09	PB170424
84-66-2	Diethylphthalate	0.71	U	1	0.71	5.20	ug/L	11/06/25 17:09	PB170424
7005-72-3	4-Chlorophenyl-phenylether	0.70	U	1	0.70	5.20	ug/L	11/06/25 17:09	PB170424
86-73-7	Fluorene	0.65	U	1	0.65	5.20	ug/L	11/06/25 17:09	PB170424
100-01-6	4-Nitroaniline	1.50	U	1	1.50	5.20	ug/L	11/06/25 17:09	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	1	3.00	10.3	ug/L	11/06/25 17:09	PB170424

Raw Data: **BG064706.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-3	SDG No.:	Q3534
Lab Sample ID:	Q3534-07	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	970 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2.20	J	1	0.60	5.20	ug/L	11/06/25 17:09	PB170424
101-55-3	4-Bromophenyl-phenylether	0.41	U	1	0.41	5.20	ug/L	11/06/25 17:09	PB170424
118-74-1	Hexachlorobenzene	0.54	U	1	0.54	5.20	ug/L	11/06/25 17:09	PB170424
1912-24-9	Atrazine	1.00	U	1	1.00	5.20	ug/L	11/06/25 17:09	PB170424
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.3	ug/L	11/06/25 17:09	PB170424
85-01-8	Phenanthrene	0.52	U	1	0.52	5.20	ug/L	11/06/25 17:09	PB170424
120-12-7	Anthracene	0.63	U	1	0.63	5.20	ug/L	11/06/25 17:09	PB170424
86-74-8	Carbazole	0.74	U	1	0.74	5.20	ug/L	11/06/25 17:09	PB170424
84-74-2	Di-n-butylphthalate	1.30	U	1	1.30	5.20	ug/L	11/06/25 17:09	PB170424
206-44-0	Fluoranthene	0.85	U	1	0.85	5.20	ug/L	11/06/25 17:09	PB170424
129-00-0	Pyrene	0.52	U	1	0.52	5.20	ug/L	11/06/25 17:09	PB170424
85-68-7	Butylbenzylphthalate	2.00	U	1	2.00	5.20	ug/L	11/06/25 17:09	PB170424
91-94-1	3,3-Dichlorobenzidine	0.96	U	1	0.96	10.3	ug/L	11/06/25 17:09	PB170424
56-55-3	Benzo(a)anthracene	0.46	U	1	0.46	5.20	ug/L	11/06/25 17:09	PB170424
218-01-9	Chrysene	0.45	U	1	0.45	5.20	ug/L	11/06/25 17:09	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1	1.60	5.20	ug/L	11/06/25 17:09	PB170424
117-84-0	Di-n-octyl phthalate	2.40	U	1	2.40	10.3	ug/L	11/06/25 17:09	PB170424
205-99-2	Benzo(b)fluoranthene	0.51	U	1	0.51	5.20	ug/L	11/06/25 17:09	PB170424
207-08-9	Benzo(k)fluoranthene	0.49	U	1	0.49	5.20	ug/L	11/06/25 17:09	PB170424
50-32-8	Benzo(a)pyrene	0.57	U	1	0.57	5.20	ug/L	11/06/25 17:09	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	1	0.61	5.20	ug/L	11/06/25 17:09	PB170424
53-70-3	Dibenzo(a,h)anthracene	0.69	U	1	0.69	5.20	ug/L	11/06/25 17:09	PB170424
191-24-2	Benzo(g,h,i)perylene	0.71	U	1	0.71	5.20	ug/L	11/06/25 17:09	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	1	0.54	5.20	ug/L	11/06/25 17:09	PB170424
123-91-1	1,4-Dioxane	1.00	U	1	1.00	5.20	ug/L	11/06/25 17:09	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	0.74	U	1	0.74	5.20	ug/L	11/06/25 17:09	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	61.0			15 (23) - 110 (138)	41%	SPK: 150		
13127-88-3	Phenol-d6	41.5			15 (10) - 110 (134)	28%	SPK: 150		
4165-60-0	Nitrobenzene-d5	96.2			30 (67) - 130 (132)	96%	SPK: 100		
321-60-8	2-Fluorobiphenyl	82.1			30 (52) - 130 (132)	82%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	169	*		15 (44) - 110 (137)	113%	SPK: 150		
1718-51-0	Terphenyl-d14	85.1			30 (42) - 130 (152)	85%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	33300							
1146-65-2	Naphthalene-d8	133000							
15067-26-2	Acenaphthene-d10	109000							
1517-22-2	Phenanthrene-d10	256000							
1719-03-5	Chrysene-d12	310000							
1520-96-3	Perylene-d12	341000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	4.20	J			16.2	ug/L		
000057-10-3	n-Hexadecanoic acid	4.60	J			18.4	ug/L		

Raw Data: **BG064706.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-3	SDG No.:	Q3534
Lab Sample ID:	Q3534-07	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	970 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	4.30	J			19.9	ug/L		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **BG064706.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064706.D
Acq On : 6 Nov 2025 17:09
Operator : RC/JU
Sample : Q3534-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Quant Time: Nov 07 00:31:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.204	152	33315	20.000	ng	-0.02
21) Naphthalene-d8	11.024	136	133129	20.000	ng	#-0.02
39) Acenaphthene-d10	14.820	164	109224	20.000	ng	-0.02
64) Phenanthrene-d10	17.558	188	255947	20.000	ng	#-0.02
76) Chrysene-d12	21.829	240	309555	20.000	ng	#-0.03
86) Perylene-d12	25.155	264	340594	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.730	112	121020	60.973	ng	-0.02
7) Phenol-d6	7.334	99	113146	41.543	ng	-0.02
23) Nitrobenzene-d5	9.361	82	213261	96.215	ng	-0.02
42) 2,4,6-Tribromophenol	16.300	330	267052	169.403	ng	-0.02
45) 2-Fluorobiphenyl	13.451	172	591707	82.114	ng	-0.02
79) Terphenyl-d14	20.149	244	1395468	85.073	ng	-0.02
Target Compounds						Qvalue
66) n-Nitrosodiphenylamine	16.060	169	15042	2.176	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

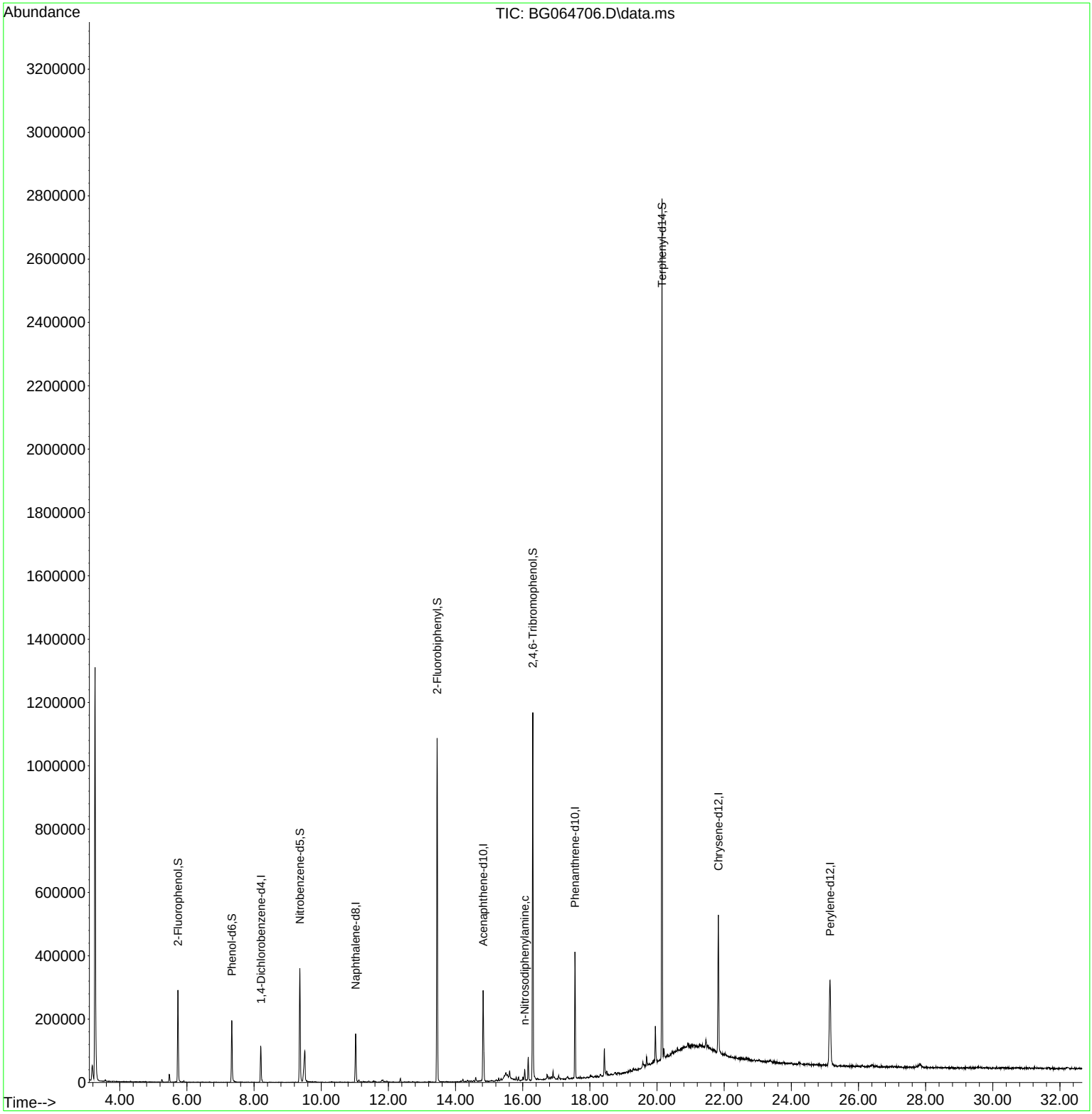
Quantitation Report (LSC Reviewed)

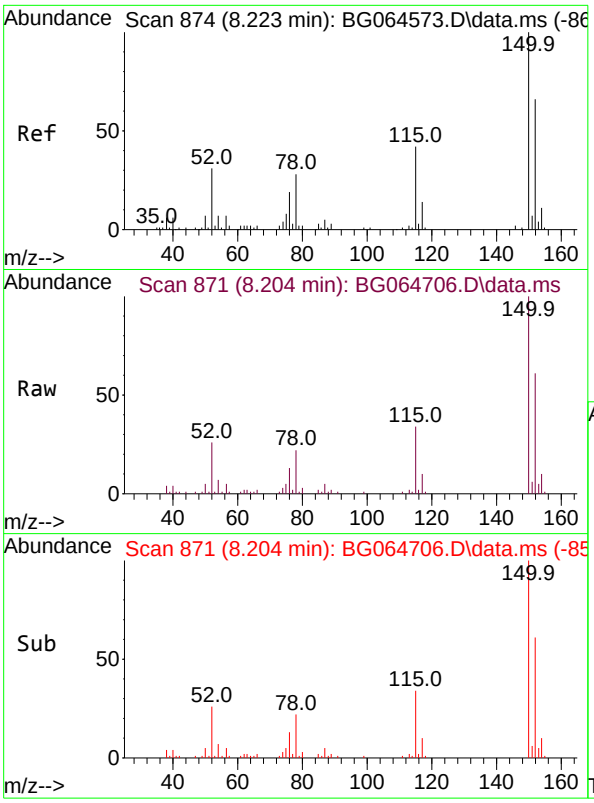
Sample Results: **BG064706.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064706.D
Acq On : 6 Nov 2025 17:09
Operator : RC/JU
Sample : Q3534-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Quant Time: Nov 07 00:31:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration



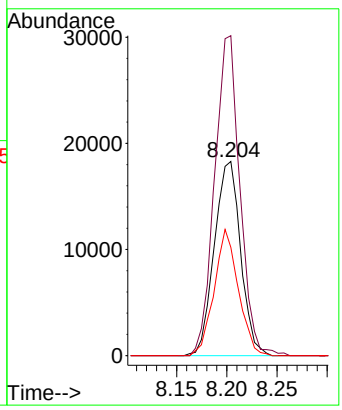


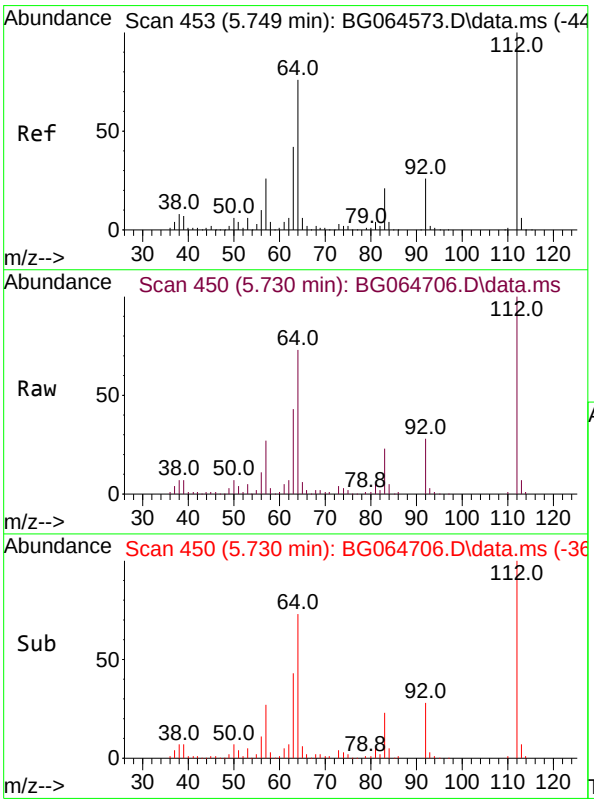
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.204 min Scan# 8
Delta R.T. -0.019 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Tgt Ion:152 Resp: 33315

Ion	Ratio	Lower	Upper
152	100		
150	164.8	122.2	183.4
115	55.7	50.8	76.2

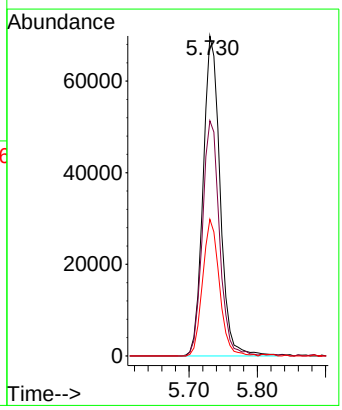


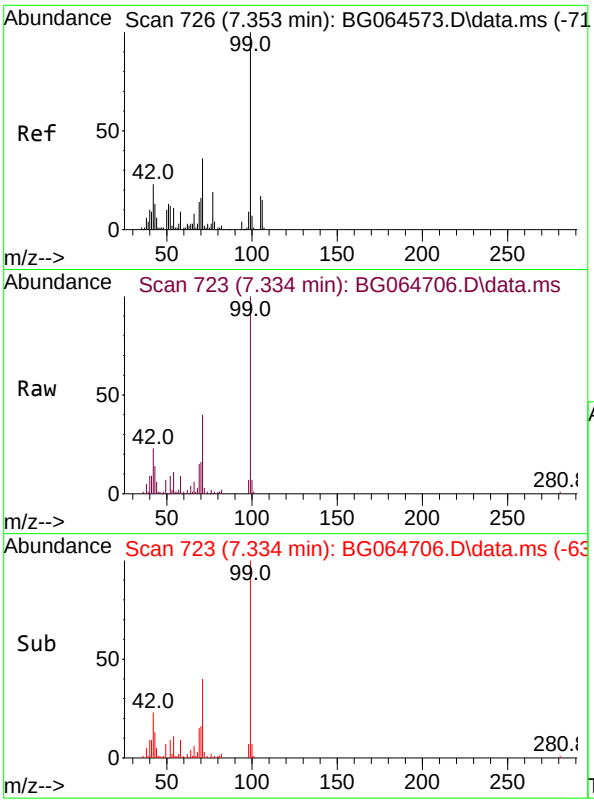


#5
2-Fluorophenol
Concen: 60.973 ng
RT: 5.730 min Scan# 450
Delta R.T. -0.019 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion:112 Resp: 121020

Ion	Ratio	Lower	Upper
112	100		
64	73.5	60.7	91.1
63	42.7	33.4	50.0



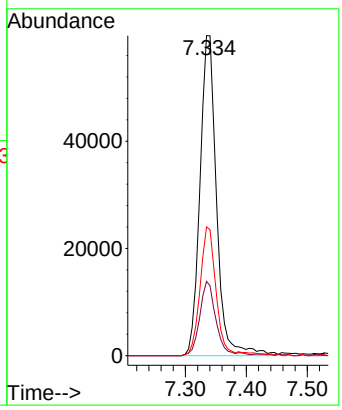


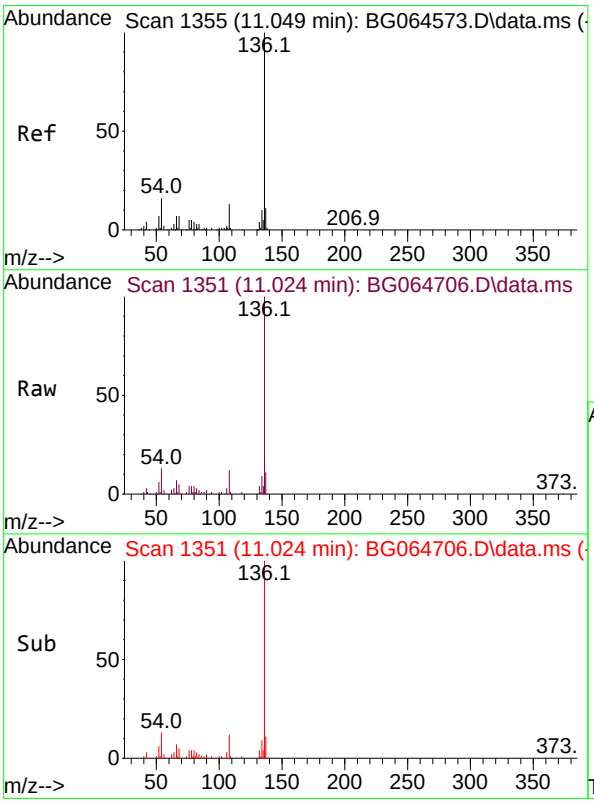
#7
Phenol-d6
Concen: 41.543 ng
RT: 7.334 min Scan# 7
Delta R.T. -0.019 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Tgt Ion: 99 Resp: 113146

Ion	Ratio	Lower	Upper
99	100		
42	23.2	18.3	27.5
71	40.2	28.6	43.0

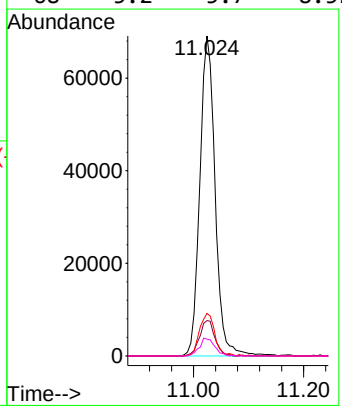


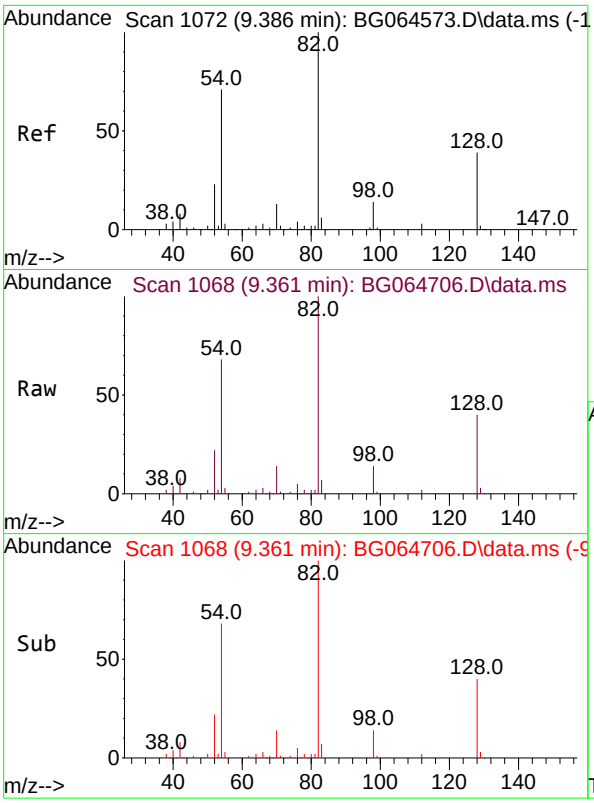


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.024 min Scan# 1351
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion:136 Resp: 133129

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	13.3	12.6	19.0
68	5.2	5.7	8.5#



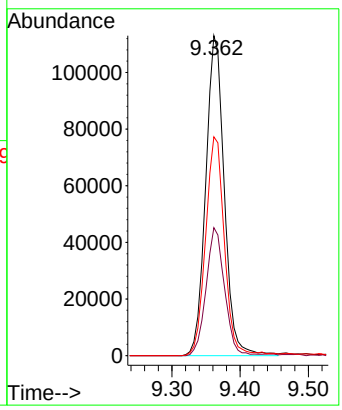


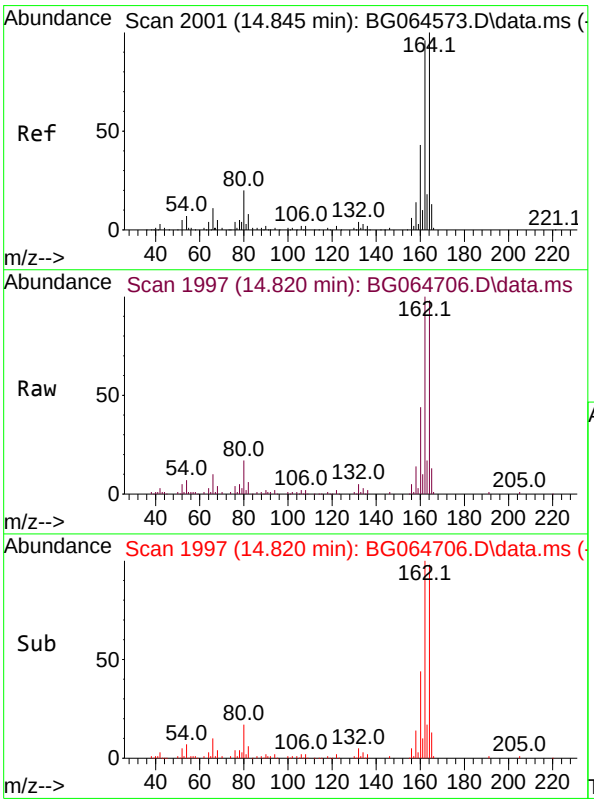
#23
Nitrobenzene-d5
Concen: 96.215 ng
RT: 9.361 min Scan# 1(
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Tgt Ion: 82 Resp: 213261

Ion	Ratio	Lower	Upper
82	100		
128	40.0	31.3	46.9
54	68.4	56.6	84.8

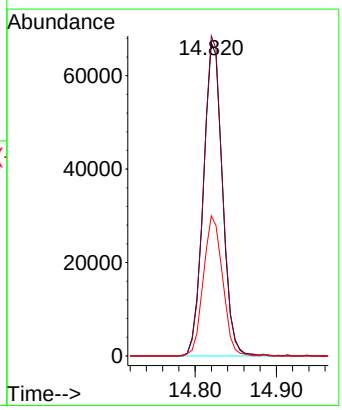


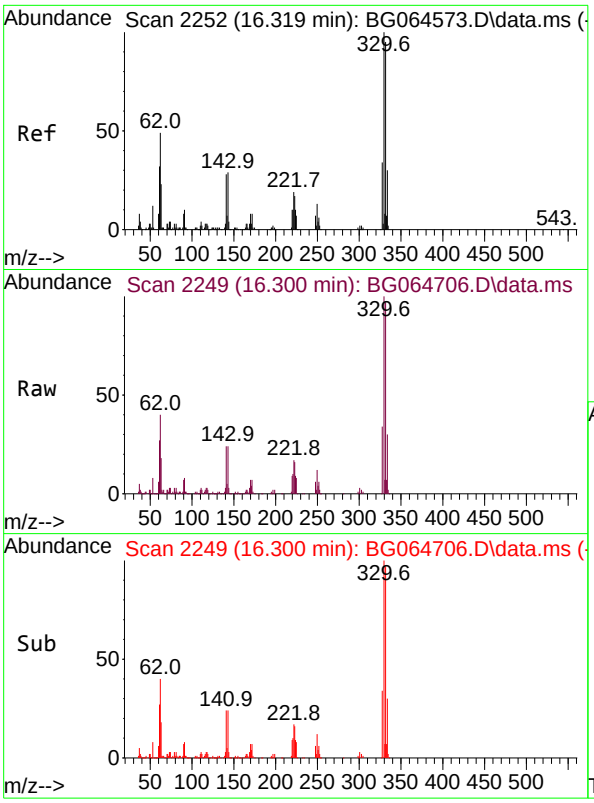


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.820 min Scan# 1997
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion:164 Resp: 109224

Ion	Ratio	Lower	Upper
164	100		
162	102.2	77.0	115.6
160	44.7	34.4	51.6



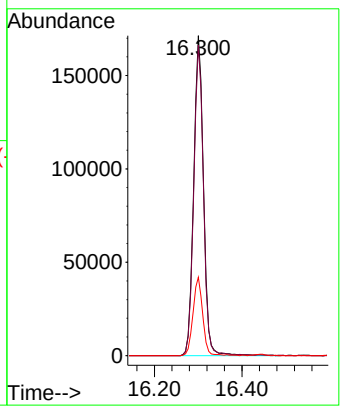


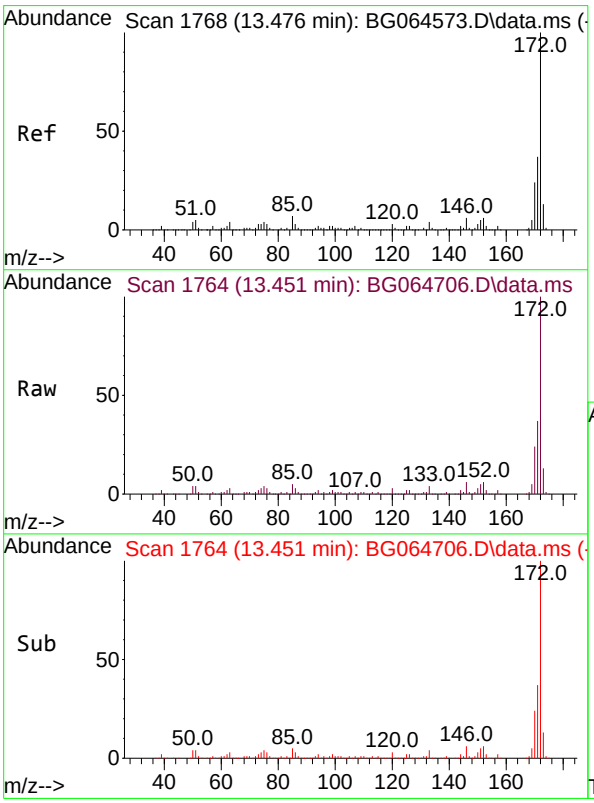
#42
2,4,6-Tribromophenol
Concen: 169.403 ng
RT: 16.300 min Scan# 2
Delta R.T. -0.019 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Tgt Ion:330 Resp: 267052

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.0	117.0
141	24.0	21.8	32.6

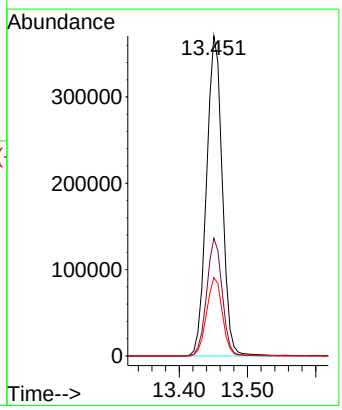


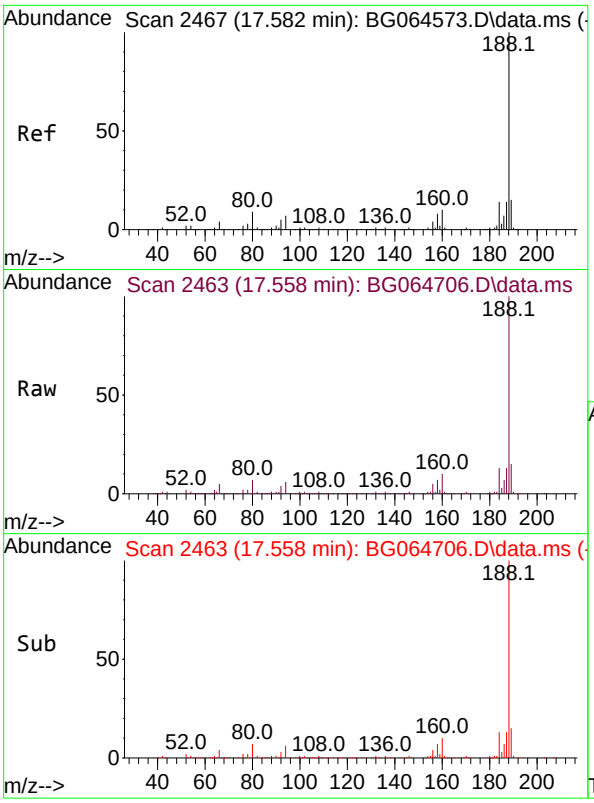


#45
2-Fluorobiphenyl
Concen: 82.114 ng
RT: 13.451 min Scan# 1764
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion:172 Resp: 591707

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.5	19.1	28.7



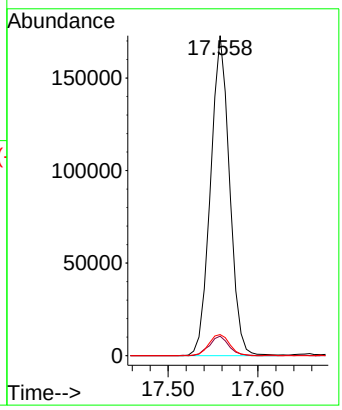


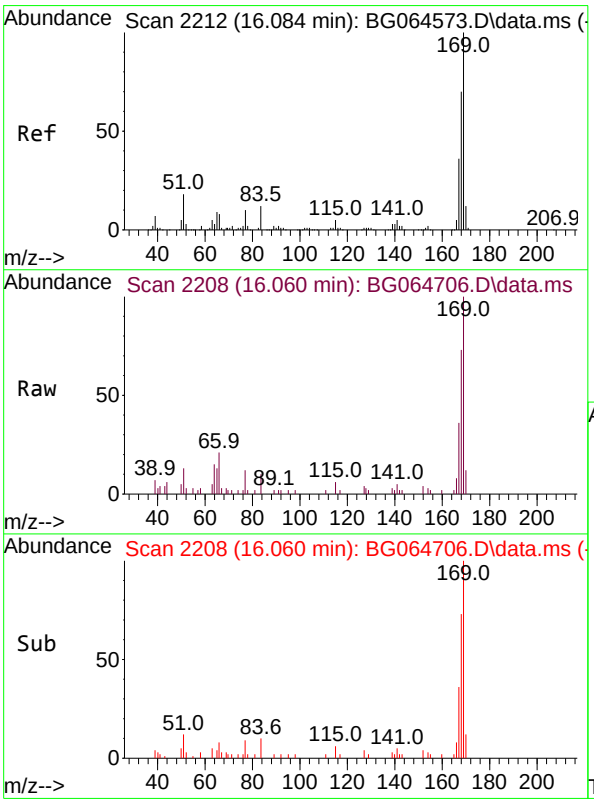
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.558 min Scan# 24
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Tgt Ion:188 Resp: 255947

Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.7	8.5
80	6.6	6.8	10.2#

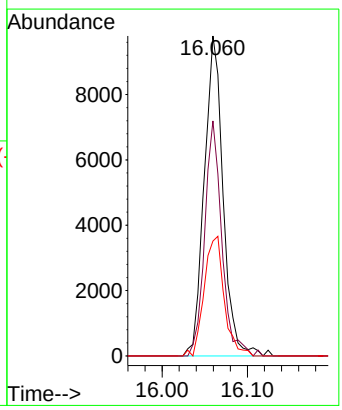


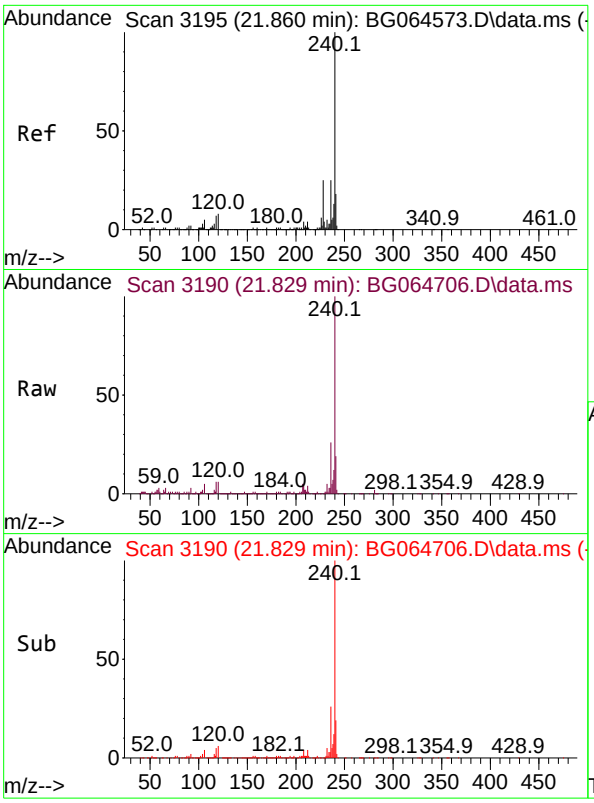


#66
n-Nitrosodiphenylamine
Concen: 2.176 ng
RT: 16.060 min Scan# 2208
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion:169 Resp: 15042

Ion	Ratio	Lower	Upper
169	100		
168	73.4	56.3	84.5
167	35.9	29.0	43.6



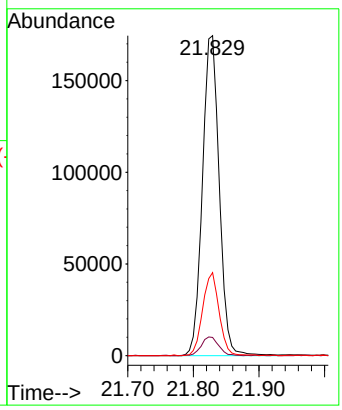


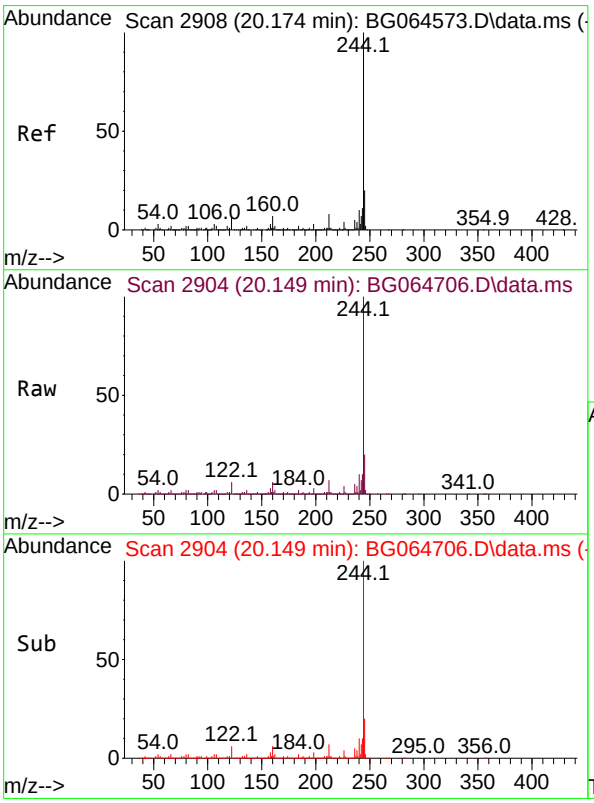
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.829 min Scan# 3
Delta R.T. -0.031 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Tgt Ion:240 Resp: 309555

Ion	Ratio	Lower	Upper
240	100		
120	5.7	6.5	9.7#
236	25.9	20.2	30.2

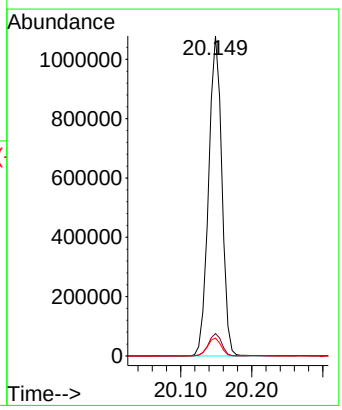


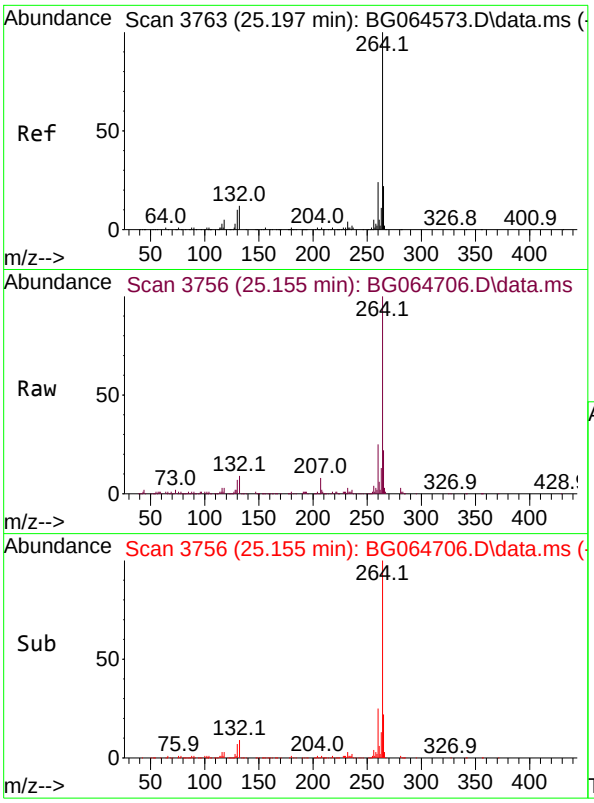


#79
Terphenyl-d14
Concen: 85.073 ng
RT: 20.149 min Scan# 2904
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion:244 Resp: 1395468

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	5.6	5.6	8.4#



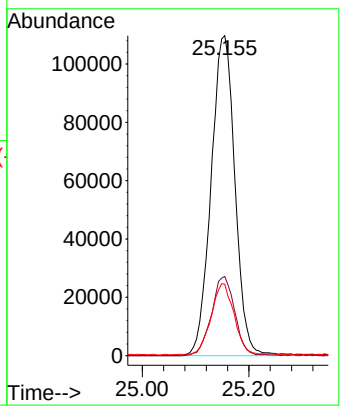


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.155 min Scan# 3
Delta R.T. -0.042 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Tgt Ion:264 Resp: 340594

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.4
265	22.3	17.6	26.4



Sample Results: **BG064706.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064706.D
Acq On : 6 Nov 2025 17:09
Operator : RC/JU
Sample : Q3534-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064706.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.175	9	15	24	rBV2	45897	119823	3.43%	0.786%
2	3.263	24	30	54	rVB	1306321	2382427	68.17%	15.629%
3	5.472	401	406	414	rVB	24903	41740	1.19%	0.274%
4	5.730	442	450	462	rBV	290804	497362	14.23%	3.263%
5	7.334	716	723	735	rBV	194681	360401	10.31%	2.364%
6	8.198	864	870	884	rBV	114633	211622	6.06%	1.388%
7	9.362	1060	1068	1079	rBV	359976	679349	19.44%	4.457%
8	9.508	1081	1093	1105	rVB2	97076	267394	7.65%	1.754%
9	11.024	1343	1351	1363	rBV	153259	293242	8.39%	1.924%
10	13.451	1755	1764	1780	rBV	1086370	1731669	49.55%	11.360%
11	14.820	1991	1997	2009	rVB2	286784	545148	15.60%	3.576%
12	15.460	2094	2106	2107	rBV3	14238	36122	1.03%	0.237%
13	15.613	2127	2132	2137	rVB3	22483	37703	1.08%	0.247%
14	16.060	2203	2208	2215	rVB2	35919	54472	1.56%	0.357%
15	16.165	2221	2226	2234	rVB	73275	111651	3.19%	0.732%
16	16.300	2242	2249	2265	rBV	1160727	1808221	51.74%	11.862%
17	17.558	2457	2463	2471	rBV	399775	603291	17.26%	3.958%
18	18.433	2607	2612	2620	rBV2	84694	134267	3.84%	0.881%
19	19.691	2823	2826	2831	rBV5	28342	40363	1.15%	0.265%
20	19.949	2866	2870	2878	rVB	110230	164118	4.70%	1.077%
21	20.149	2898	2904	2910	rBV	2716773	3494897	100.00%	22.928%
22	20.202	2911	2913	2921	rVB2	28405	42714	1.22%	0.280%
23	21.829	3183	3190	3202	rVB2	436507	785254	22.47%	5.152%
24	25.155	3747	3756	3768	rVB	265596	799944	22.89%	5.248%

Sum of corrected areas: 15243194

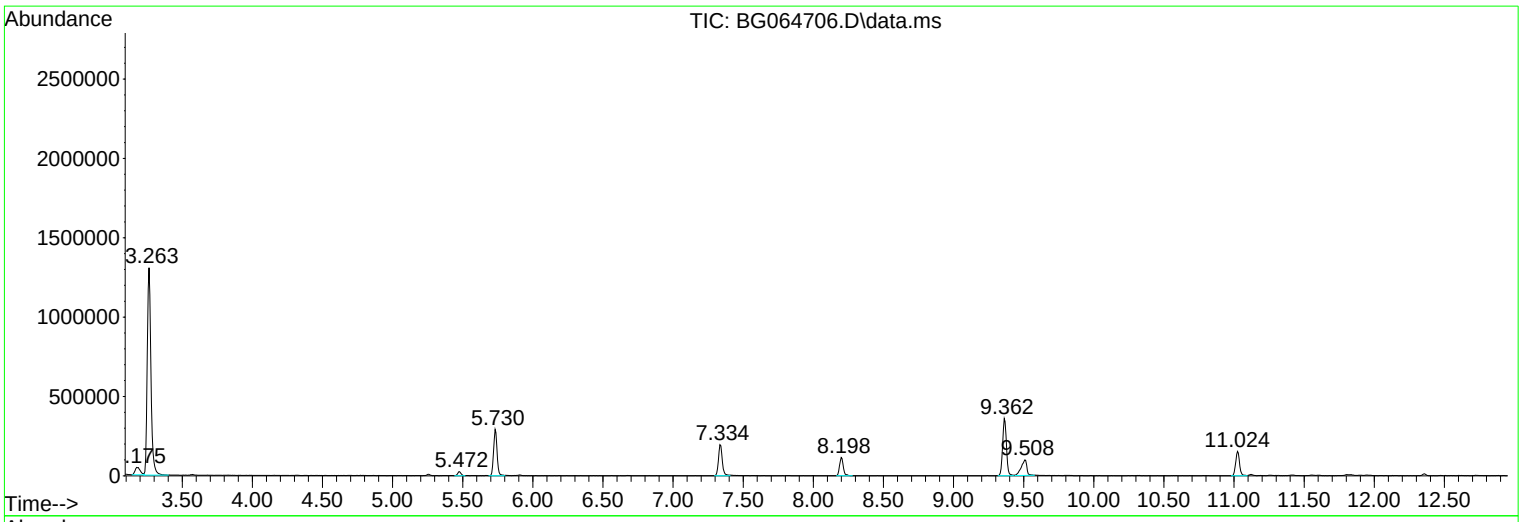
Sample Results: **BG064706.D**

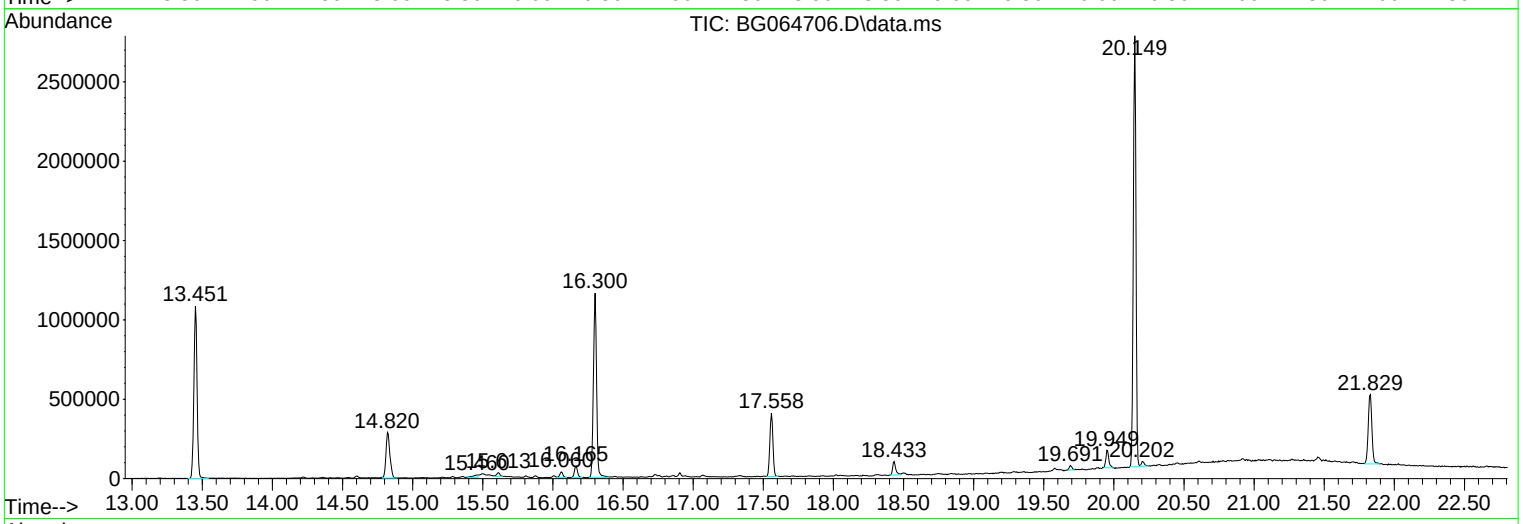
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064706.D
Acq On : 6 Nov 2025 17:09
Operator : RC/JU
Sample : Q3534-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

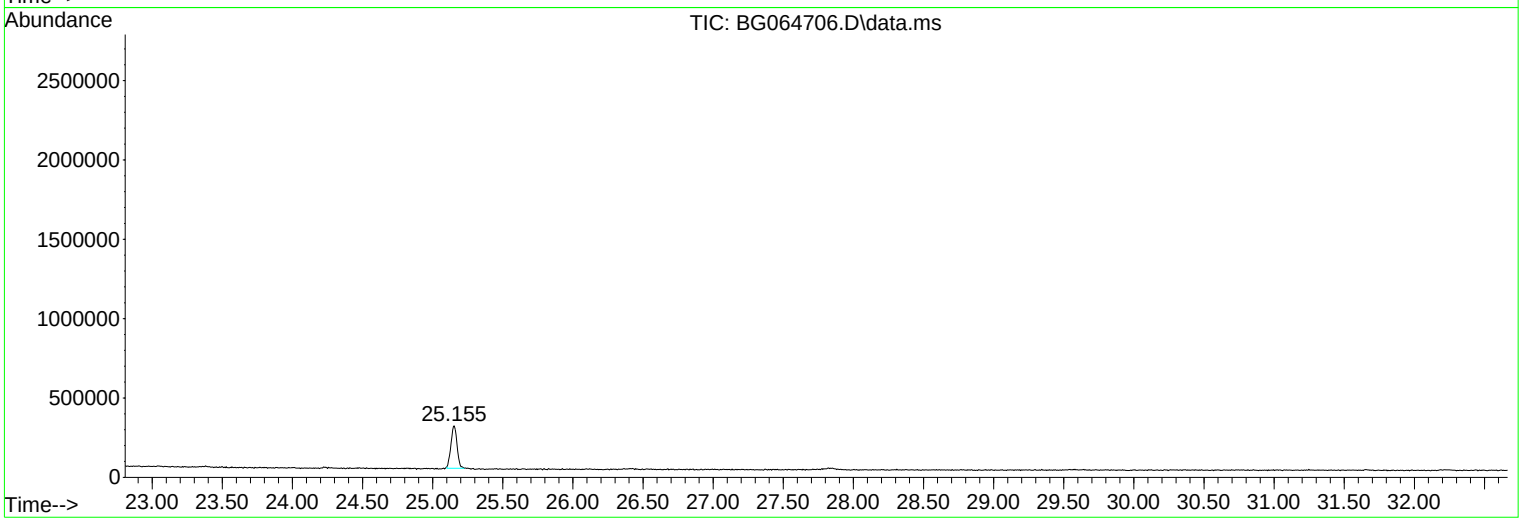
Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Sample Results: **BG064706.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064706.D
Acq On : 6 Nov 2025 17:09
Operator : RC/JU
Sample : Q3534-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

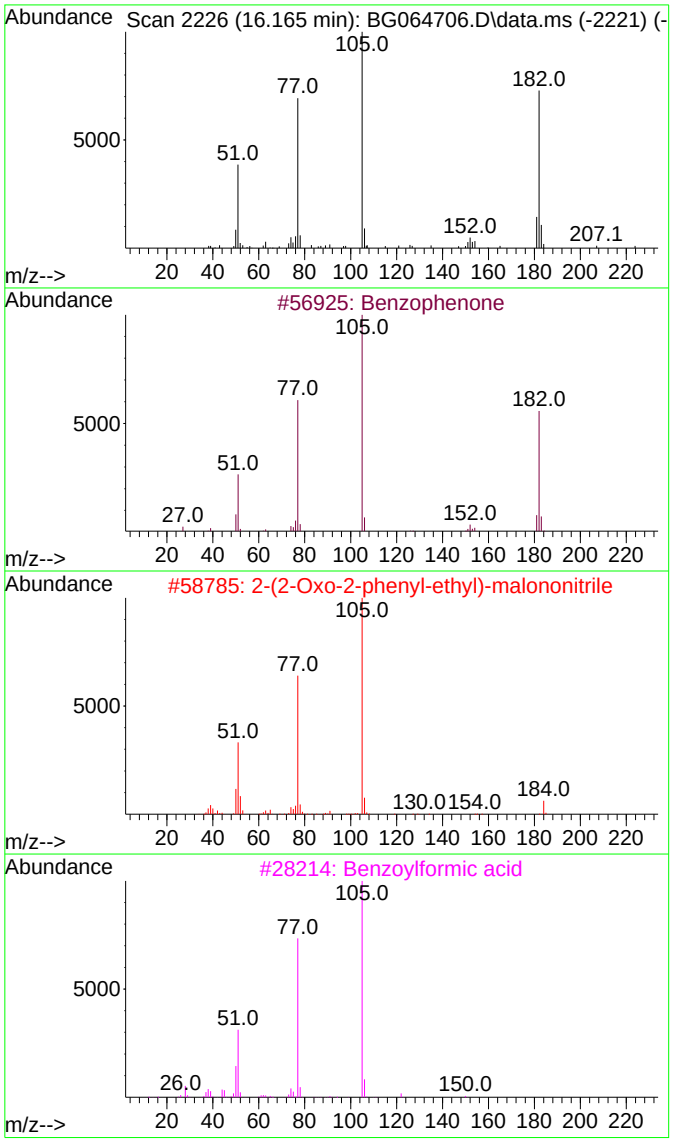
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

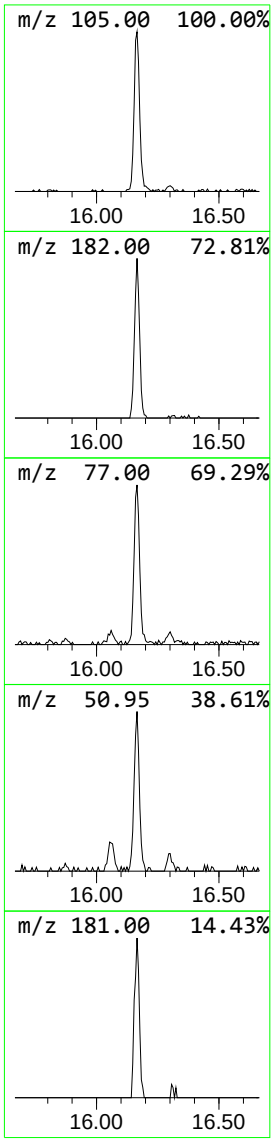
****

Peak Number 5 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.165	4.10 ng	111651	Acenaphthene-d10	14.820

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	49
3	Benzoylformic acid	150	C8H6O3	000611-73-4	49
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	47
5	Ethanone, 2-hydroxy-1-phenyl-	136	C8H8O2	000582-24-1	47





Sample Results: **BG064706.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064706.D
Acq On : 6 Nov 2025 17:09
Operator : RC/JU
Sample : Q3534-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

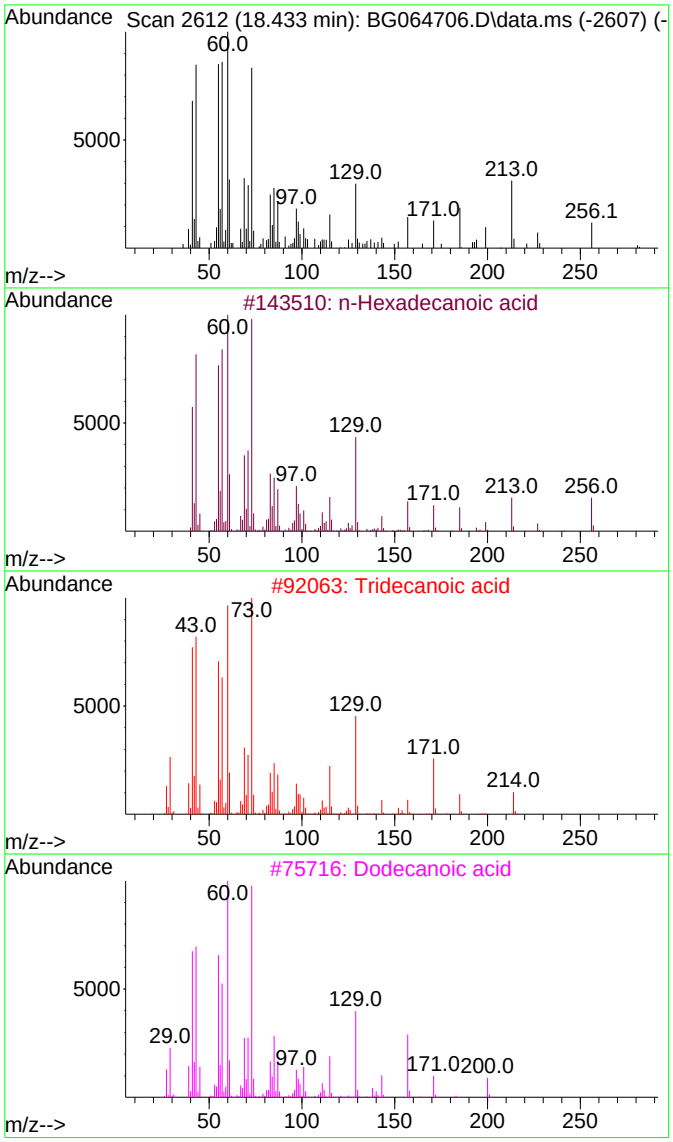
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

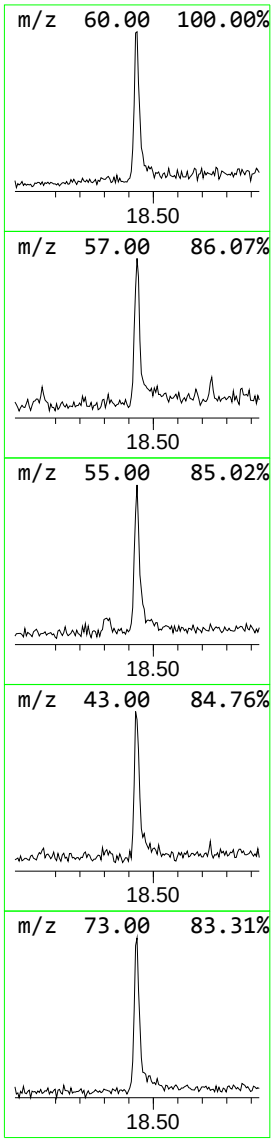
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.433	4.45 ng	134267	Phenanthrene-d10	17.558

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	64
3	Dodecanoic acid	200	C12H24O2	000143-07-7	53
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	52
5	Undecanoic acid	186	C11H22O2	000112-37-8	50





Sample Results: **BG064706.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064706.D
Acq On : 6 Nov 2025 17:09
Operator : RC/JU
Sample : Q3534-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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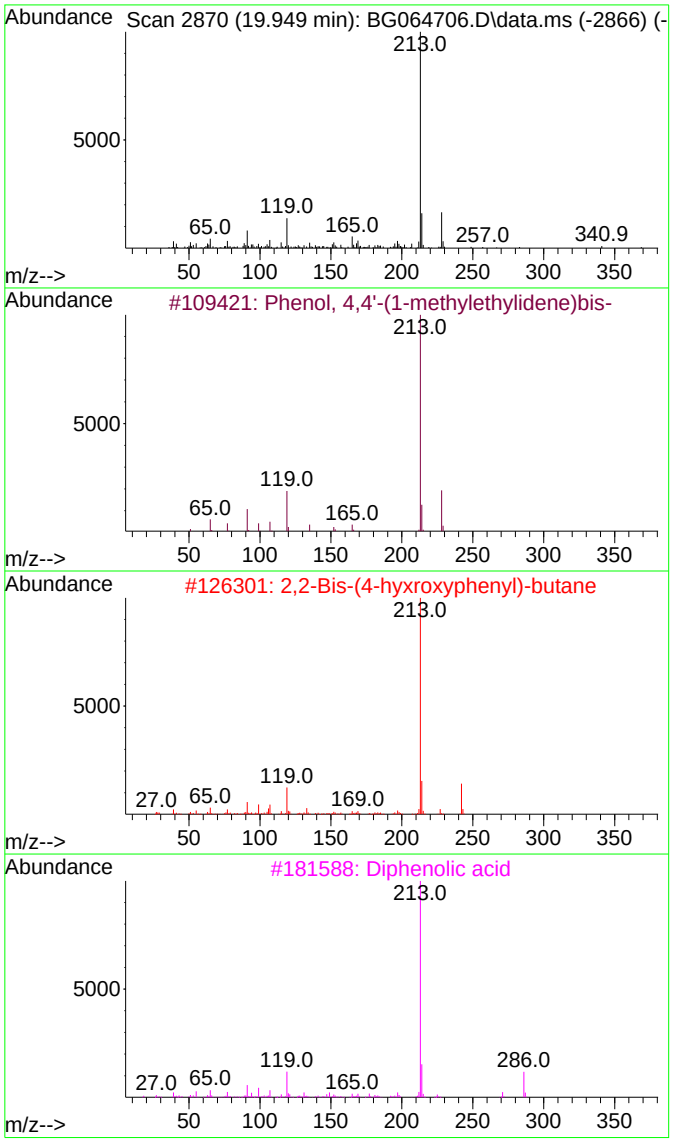
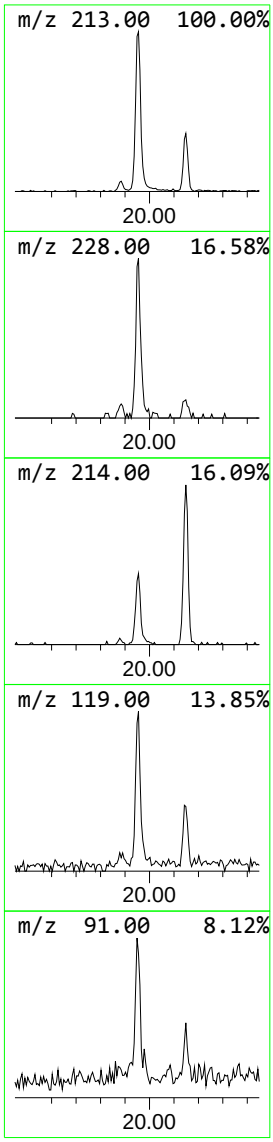
Peak Number 7 Phenol, 4,4'-(1-methylethyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.949	4.18 ng	164118	Chrysene-d12	21.829

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	93
2	2,2-Bis-(4-hyxroxyphenyl)-butane	242	C16H18O2	000077-40-7	72
3	Diphenolic acid	286	C17H18O4	000126-00-1	72
4	1-Bromo-4-(trimethylsilyl)benzene	228	C9H13BrSi	006999-03-7	64
5	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	59





Sample Results: **BG064706.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064706.D
Acq On : 6 Nov 2025 17:09
Operator : RC/JU
Sample : Q3534-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-EB-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Benzophenone	16.165	4.1	ng	111651	3	14.820	545148	20.0
n-Hexadecanoic ...	18.433	4.5	ng	134267	4	17.558	603291	20.0
Phenol, 4,4'-(1...	19.949	4.2	ng	164118	5	21.829	785254	20.0

Raw Data: **BP026080.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	FB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-09	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	500 mL Final Vol: 500 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	3.90	U	1	3.90	10.0	ug/L	11/06/25 17:04	PB170424
108-95-2	Phenol	0.91	U	1	0.91	5.00	ug/L	11/06/25 17:04	PB170424
111-44-4	bis(2-Chloroethyl)ether	0.81	U	1	0.81	5.00	ug/L	11/06/25 17:04	PB170424
95-57-8	2-Chlorophenol	0.58	U	1	0.58	5.00	ug/L	11/06/25 17:04	PB170424
95-48-7	2-Methylphenol	1.10	U	1	1.10	5.00	ug/L	11/06/25 17:04	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.00	ug/L	11/06/25 17:04	PB170424
98-86-2	Acetophenone	0.74	U	1	0.74	5.00	ug/L	11/06/25 17:04	PB170424
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.0	ug/L	11/06/25 17:04	PB170424
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1	1.40	2.50	ug/L	11/06/25 17:04	PB170424
67-72-1	Hexachloroethane	0.65	U	1	0.65	5.00	ug/L	11/06/25 17:04	PB170424
98-95-3	Nitrobenzene	0.76	U	1	0.76	5.00	ug/L	11/06/25 17:04	PB170424
78-59-1	Isophorone	0.75	U	1	0.75	5.00	ug/L	11/06/25 17:04	PB170424
88-75-5	2-Nitrophenol	1.80	U	1	1.80	5.00	ug/L	11/06/25 17:04	PB170424
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.00	ug/L	11/06/25 17:04	PB170424
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	1	0.68	5.00	ug/L	11/06/25 17:04	PB170424
120-83-2	2,4-Dichlorophenol	0.52	U	1	0.52	5.00	ug/L	11/06/25 17:04	PB170424
91-20-3	Naphthalene	0.50	U	1	0.50	5.00	ug/L	11/06/25 17:04	PB170424
106-47-8	4-Chloroaniline	0.84	UQ	1	0.84	5.00	ug/L	11/06/25 17:04	PB170424
87-68-3	Hexachlorobutadiene	0.54	U	1	0.54	5.00	ug/L	11/06/25 17:04	PB170424
105-60-2	Caprolactam	1.10	U	1	1.10	10.0	ug/L	11/06/25 17:04	PB170424
59-50-7	4-Chloro-3-methylphenol	0.59	U	1	0.59	5.00	ug/L	11/06/25 17:04	PB170424
91-57-6	2-Methylnaphthalene	0.56	U	1	0.56	5.00	ug/L	11/06/25 17:04	PB170424
77-47-4	Hexachlorocyclopentadiene	3.60	U	1	3.60	10.0	ug/L	11/06/25 17:04	PB170424
88-06-2	2,4,6-Trichlorophenol	0.51	U	1	0.51	5.00	ug/L	11/06/25 17:04	PB170424
95-95-4	2,4,5-Trichlorophenol	0.62	U	1	0.62	5.00	ug/L	11/06/25 17:04	PB170424
92-52-4	1,1-Biphenyl	0.53	U	1	0.53	5.00	ug/L	11/06/25 17:04	PB170424
91-58-7	2-Chloronaphthalene	0.61	U	1	0.61	5.00	ug/L	11/06/25 17:04	PB170424
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.00	ug/L	11/06/25 17:04	PB170424
131-11-3	Dimethylphthalate	0.61	U	1	0.61	5.00	ug/L	11/06/25 17:04	PB170424
208-96-8	Acenaphthylene	0.75	U	1	0.75	5.00	ug/L	11/06/25 17:04	PB170424
606-20-2	2,6-Dinitrotoluene	0.92	U	1	0.92	5.00	ug/L	11/06/25 17:04	PB170424
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.00	ug/L	11/06/25 17:04	PB170424
83-32-9	Acenaphthene	0.55	U	1	0.55	5.00	ug/L	11/06/25 17:04	PB170424
51-28-5	2,4-Dinitrophenol	6.00	U	1	6.00	10.0	ug/L	11/06/25 17:04	PB170424
100-02-7	4-Nitrophenol	2.40	U	1	2.40	10.0	ug/L	11/06/25 17:04	PB170424
132-64-9	Dibenzofuran	0.61	U	1	0.61	5.00	ug/L	11/06/25 17:04	PB170424
121-14-2	2,4-Dinitrotoluene	1.20	U	1	1.20	5.00	ug/L	11/06/25 17:04	PB170424
84-66-2	Diethylphthalate	0.69	U	1	0.69	5.00	ug/L	11/06/25 17:04	PB170424
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	1	0.68	5.00	ug/L	11/06/25 17:04	PB170424
86-73-7	Fluorene	0.63	U	1	0.63	5.00	ug/L	11/06/25 17:04	PB170424
100-01-6	4-Nitroaniline	1.50	U	1	1.50	5.00	ug/L	11/06/25 17:04	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	1	2.90	10.0	ug/L	11/06/25 17:04	PB170424

Raw Data: **BP026080.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	FB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-09	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	500 mL Final Vol: 500 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.58	U	1	0.58	5.00	ug/L	11/06/25 17:04	PB170424
101-55-3	4-Bromophenyl-phenylether	0.40	U	1	0.40	5.00	ug/L	11/06/25 17:04	PB170424
118-74-1	Hexachlorobenzene	0.52	U	1	0.52	5.00	ug/L	11/06/25 17:04	PB170424
1912-24-9	Atrazine	1.00	U	1	1.00	5.00	ug/L	11/06/25 17:04	PB170424
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.0	ug/L	11/06/25 17:04	PB170424
85-01-8	Phenanthrene	0.50	U	1	0.50	5.00	ug/L	11/06/25 17:04	PB170424
120-12-7	Anthracene	0.61	U	1	0.61	5.00	ug/L	11/06/25 17:04	PB170424
86-74-8	Carbazole	0.72	U	1	0.72	5.00	ug/L	11/06/25 17:04	PB170424
84-74-2	Di-n-butylphthalate	1.20	U	1	1.20	5.00	ug/L	11/06/25 17:04	PB170424
206-44-0	Fluoranthene	0.82	U	1	0.82	5.00	ug/L	11/06/25 17:04	PB170424
129-00-0	Pyrene	0.50	U	1	0.50	5.00	ug/L	11/06/25 17:04	PB170424
85-68-7	Butylbenzylphthalate	1.90	U	1	1.90	5.00	ug/L	11/06/25 17:04	PB170424
91-94-1	3,3-Dichlorobenzidine	0.93	U	1	0.93	10.0	ug/L	11/06/25 17:04	PB170424
56-55-3	Benzo(a)anthracene	0.45	U	1	0.45	5.00	ug/L	11/06/25 17:04	PB170424
218-01-9	Chrysene	0.44	U	1	0.44	5.00	ug/L	11/06/25 17:04	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	2.90	J	1	1.60	5.00	ug/L	11/06/25 17:04	PB170424
117-84-0	Di-n-octyl phthalate	2.30	U	1	2.30	10.0	ug/L	11/06/25 17:04	PB170424
205-99-2	Benzo(b)fluoranthene	0.49	U	1	0.49	5.00	ug/L	11/06/25 17:04	PB170424
207-08-9	Benzo(k)fluoranthene	0.48	U	1	0.48	5.00	ug/L	11/06/25 17:04	PB170424
50-32-8	Benzo(a)pyrene	0.55	U	1	0.55	5.00	ug/L	11/06/25 17:04	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	1	0.59	5.00	ug/L	11/06/25 17:04	PB170424
53-70-3	Dibenzo(a,h)anthracene	0.67	U	1	0.67	5.00	ug/L	11/06/25 17:04	PB170424
191-24-2	Benzo(g,h,i)perylene	0.69	U	1	0.69	5.00	ug/L	11/06/25 17:04	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	1	0.52	5.00	ug/L	11/06/25 17:04	PB170424
123-91-1	1,4-Dioxane	1.00	U	1	1.00	5.00	ug/L	11/06/25 17:04	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	1	0.72	5.00	ug/L	11/06/25 17:04	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	36.4			15 (23) - 110 (138)	49%	SPK: 75		
13127-88-3	Phenol-d6	23.9			15 (10) - 110 (134)	32%	SPK: 75		
4165-60-0	Nitrobenzene-d5	45.2			30 (67) - 130 (132)	90%	SPK: 50		
321-60-8	2-Fluorobiphenyl	39.0			30 (52) - 130 (132)	78%	SPK: 50		
118-79-6	2,4,6-Tribromophenol	80.9			15 (44) - 110 (137)	108%	SPK: 75		
1718-51-0	Terphenyl-d14	43.1			30 (42) - 130 (152)	86%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	312000							
1146-65-2	Naphthalene-d8	1220000							
15067-26-2	Acenaphthene-d10	769000							
1517-22-2	Phenanthrene-d10	1560000							
1719-03-5	Chrysene-d12	1710000							
1520-96-3	Perylene-d12	2010000							
TENTATIVE IDENTIFIED COMPOUNDS									
000149-57-5	Hexanoic acid, 2-ethyl-	89.5	J			9.04	ug/L		
65-85-0	Benzoic acid	6.70	J			9.70	ug/L		

Raw Data: **BP026080.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	FB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-09	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	500 mL Final Vol: 500 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
029878-31-7	1H-Benzotriazole, 4-methyl-	8.00	J			15.0	ug/L		
000112-39-0	Hexadecanoic acid, methyl ester	4.40	J			17.9	ug/L		
000057-10-3	n-Hexadecanoic acid	3.90	J			18.1	ug/L		
000112-61-8	Methyl stearate	2.00	J			19.2	ug/L		
000693-71-0	trans-13-Octadecenoic acid	7.20	J			19.3	ug/L		
000057-11-4	Octadecanoic acid	2.30	J			19.4	ug/L		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **BP026080.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On : 06 Nov 2025 17:04
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-1

Quant Time: Nov 07 01:00:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	311794	20.000	ng	-0.01
21) Naphthalene-d8	10.443	136	1217060	20.000	ng	-0.01
39) Acenaphthene-d10	14.313	164	769070	20.000	ng	0.00
64) Phenanthrene-d10	17.119	188	1563789	20.000	ng	0.00
76) Chrysene-d12	21.566	240	1705423	20.000	ng	0.00
86) Perylene-d12	24.889	264	2009785	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1377067	72.878	ng	0.00
7) Phenol-d6	6.855	99	1149647	47.802	ng	0.00
23) Nitrobenzene-d5	8.819	82	1765997	90.457	ng	0.00
42) 2,4,6-Tribromophenol	15.825	330	1346021	161.890	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	4173637	77.980	ng	-0.01
79) Terphenyl-d14	19.866	244	7228578	86.115	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.696	122	29767	6.654	ng	98
84) Bis(2-ethylhexyl)phtha...	21.519	149	24169	2.930	ng #	86

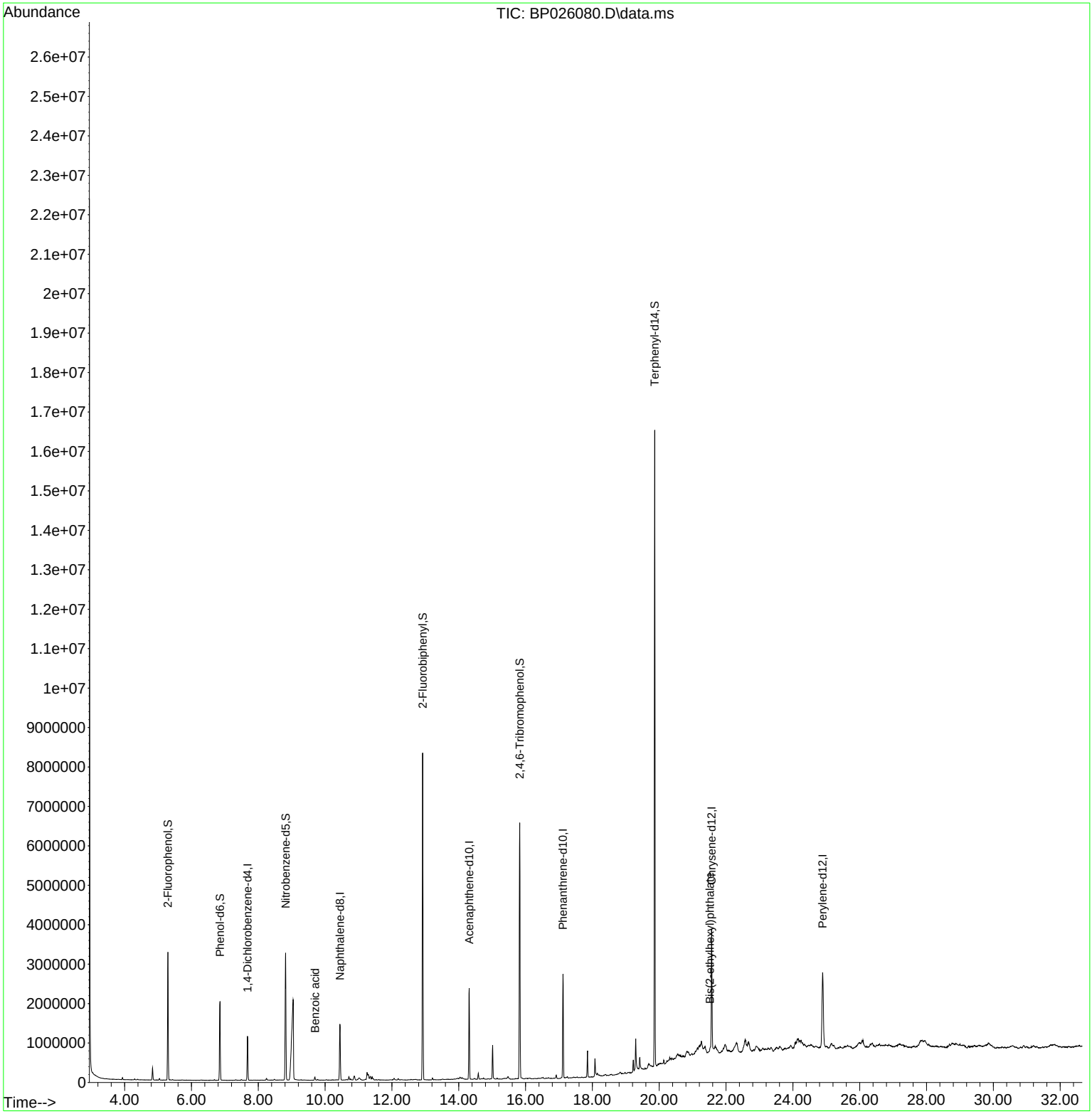
(#) = qualifier out of range (m) = manual integration (+) = signals summed

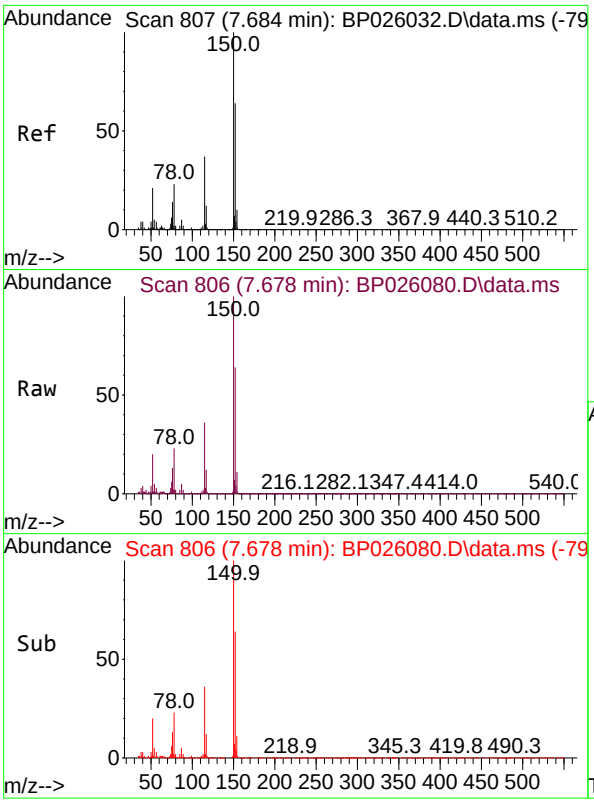
Sample Results: **BP026080.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On : 06 Nov 2025 17:04
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-1

Quant Time: Nov 07 01:00:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



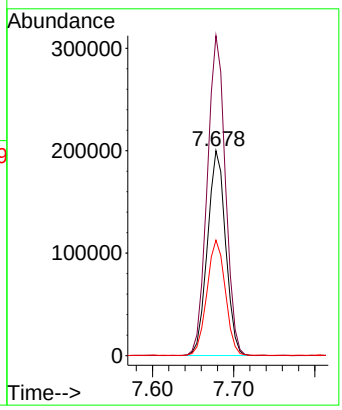


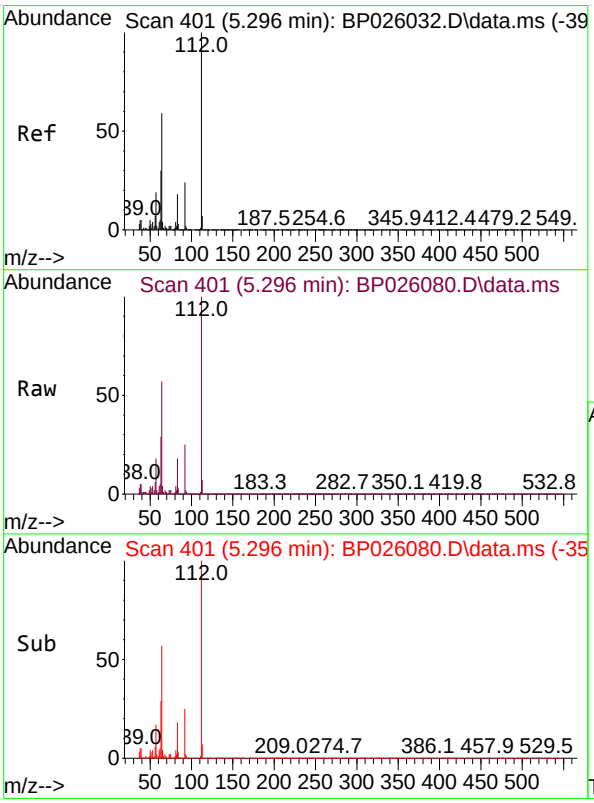
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Instrument :
BNA_P
ClientSampleId :
FB-1

Tgt Ion:152 Resp: 311794

Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.7	188.5
115	56.3	46.4	69.6

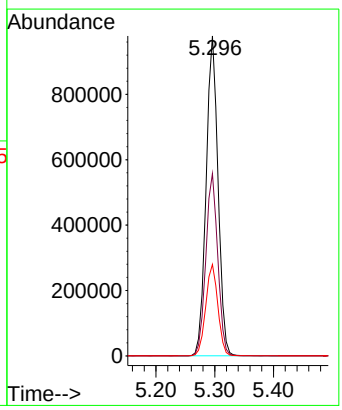


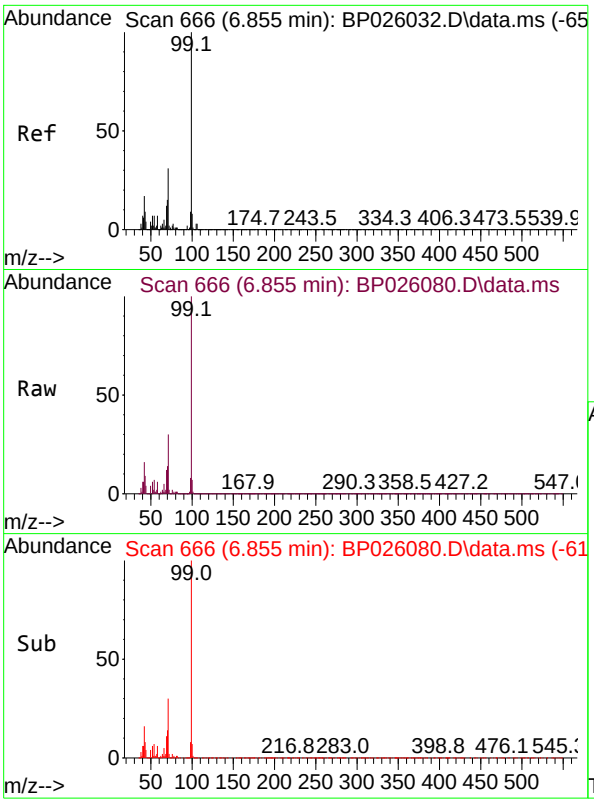


#5
2-Fluorophenol
Concen: 72.878 ng
RT: 5.296 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Tgt Ion:112 Resp: 1377067

Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.4	71.2
63	28.6	24.2	36.4



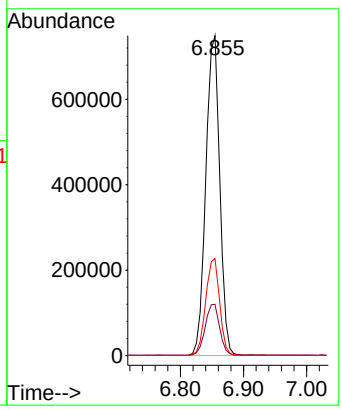


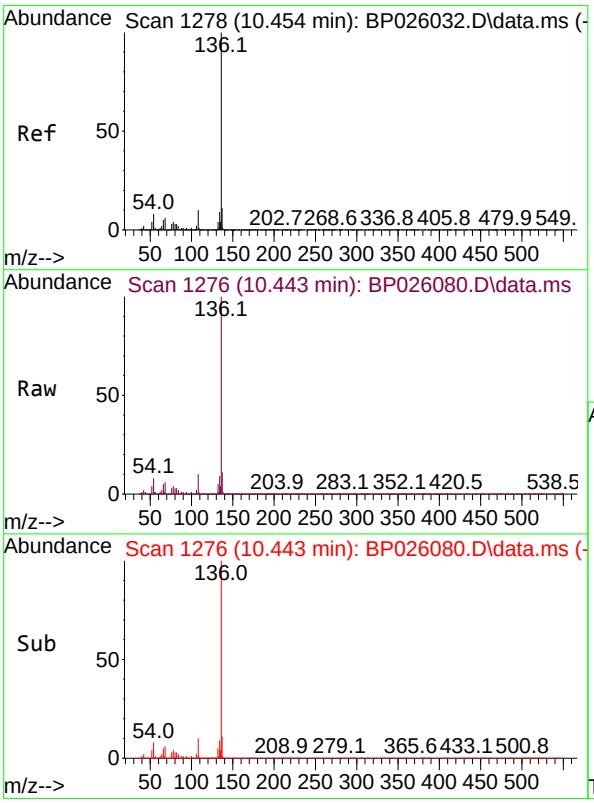
#7
Phenol-d6
Concen: 47.802 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Instrument :
BNA_P
ClientSampleId :
FB-1

Tgt Ion: 99 Resp: 1149647

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.7	20.5
71	30.3	24.4	36.6

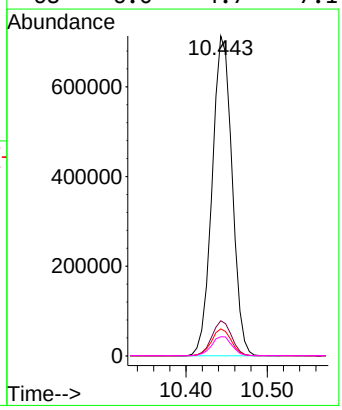


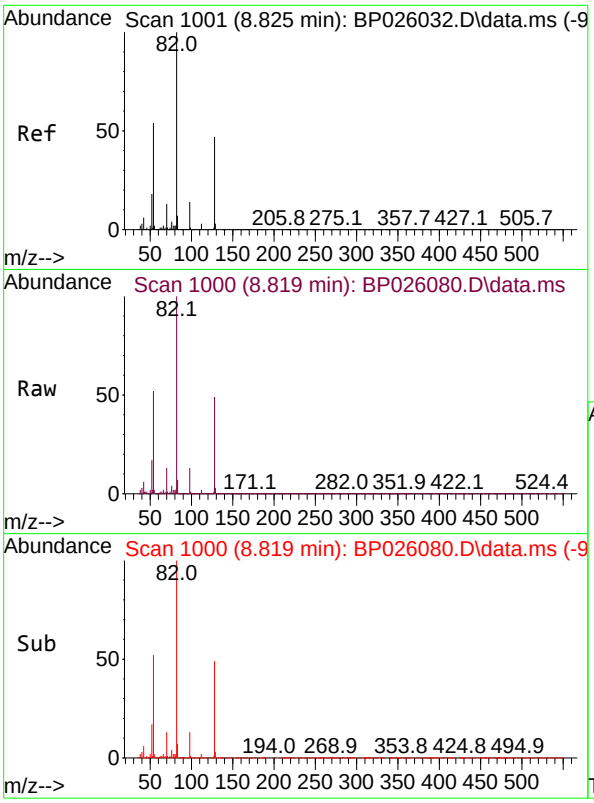


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.443 min Scan# 1276
Delta R.T. -0.011 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Tgt Ion:136 Resp: 1217060

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.4	6.6	10.0
68	6.0	4.7	7.1



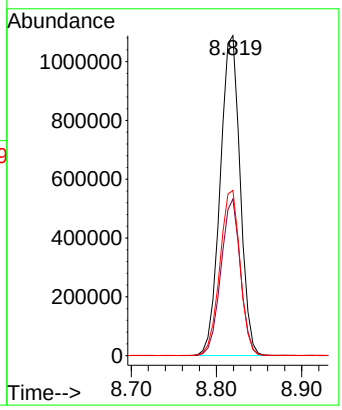


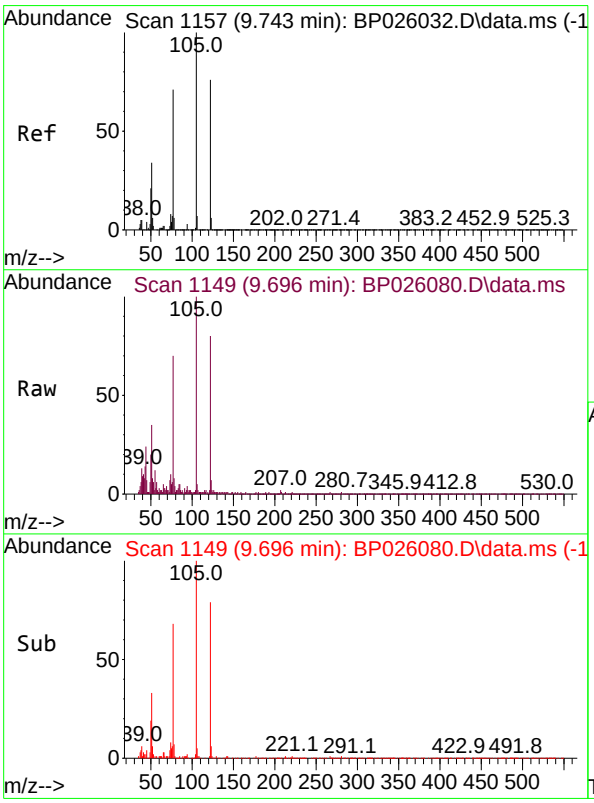
#23
Nitrobenzene-d5
Concen: 90.457 ng
RT: 8.819 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Instrument :
BNA_P
ClientSampleId :
FB-1

Tgt Ion: 82 Resp: 1765997

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.4	56.0
54	51.6	42.7	64.1

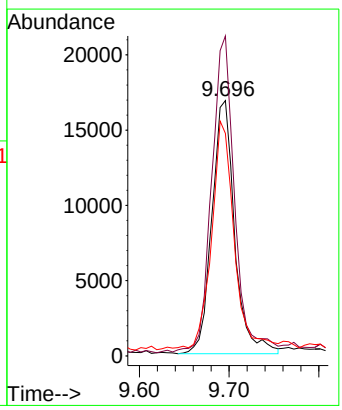


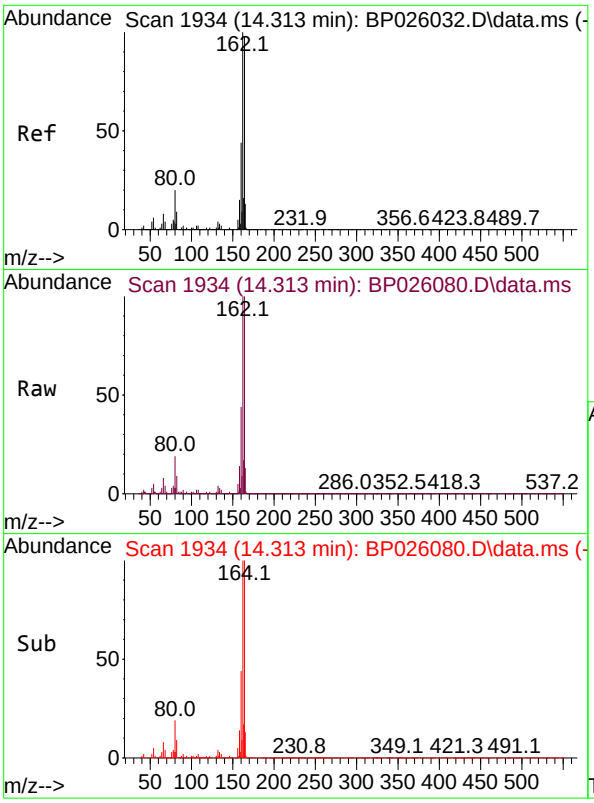


#32
Benzoic acid
Concen: 6.654 ng
RT: 9.696 min Scan# 1149
Delta R.T. -0.082 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Tgt Ion:122 Resp: 29767

Ion	Ratio	Lower	Upper
122	100		
105	125.4	104.8	144.8
77	87.2	70.9	110.9



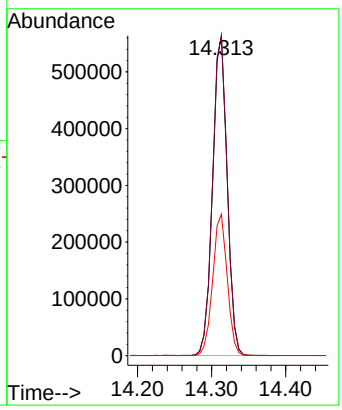


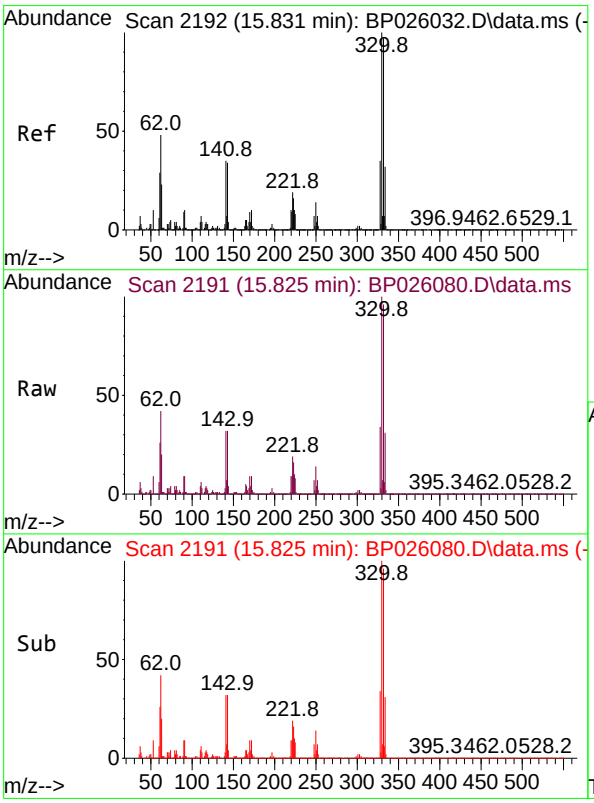
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Instrument :
BNA_P
ClientSampleId :
FB-1

Tgt Ion:164 Resp: 769070

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.5	122.3
160	44.2	36.2	54.4

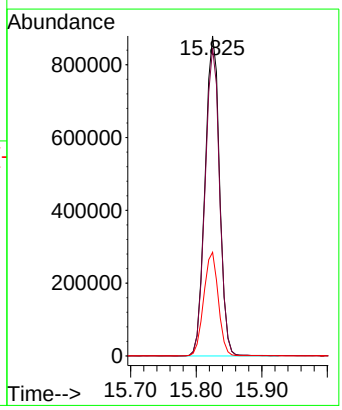


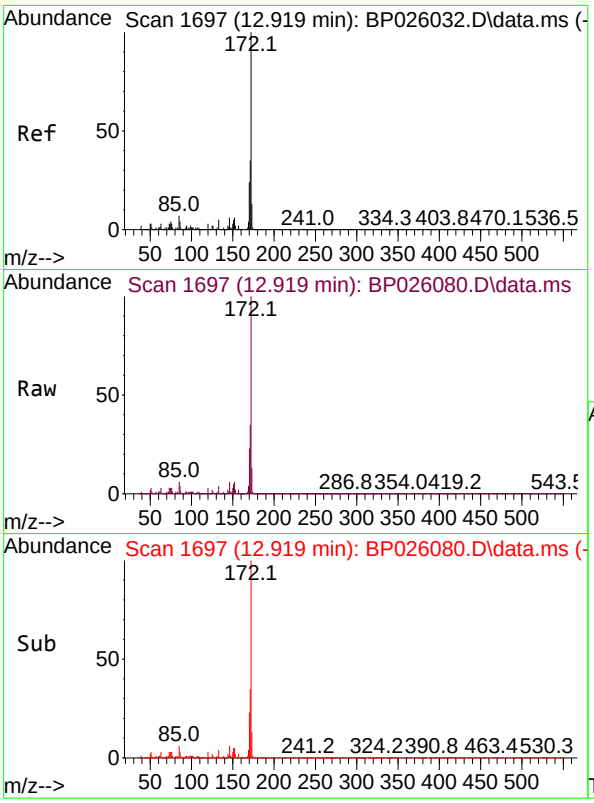


#42
2,4,6-Tribromophenol
Concen: 161.890 ng
RT: 15.825 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Tgt Ion:330 Resp: 1346021

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	32.5	28.6	42.8



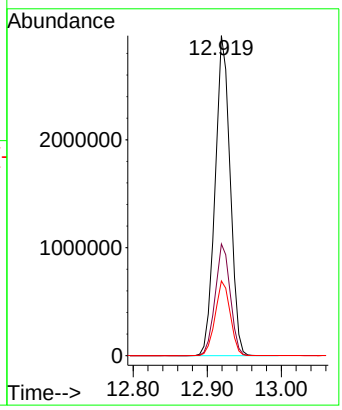


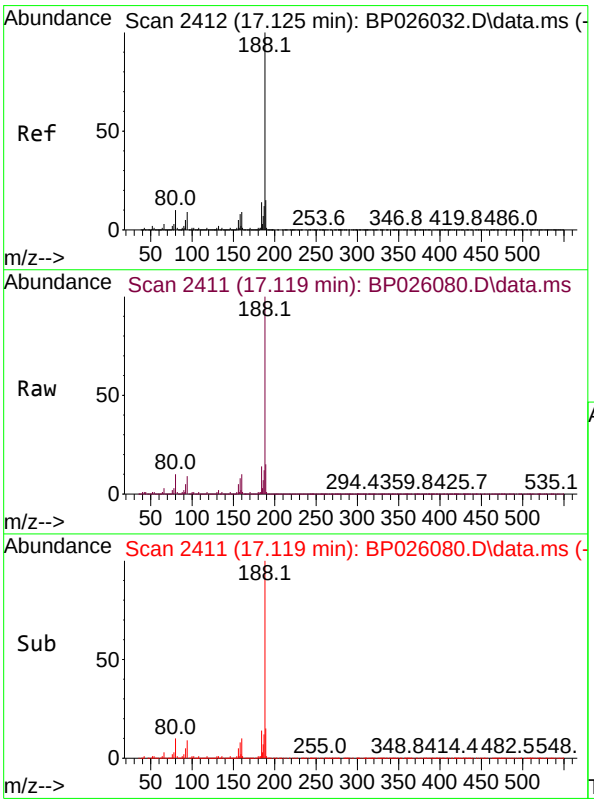
#45
2-Fluorobiphenyl
Concen: 77.980 ng
RT: 12.919 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Instrument :
BNA_P
ClientSampleId :
FB-1

Tgt Ion:172 Resp: 4173637

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.3	19.0	28.4

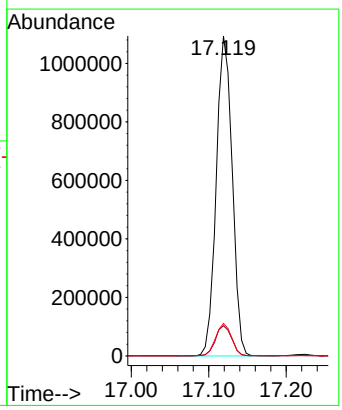


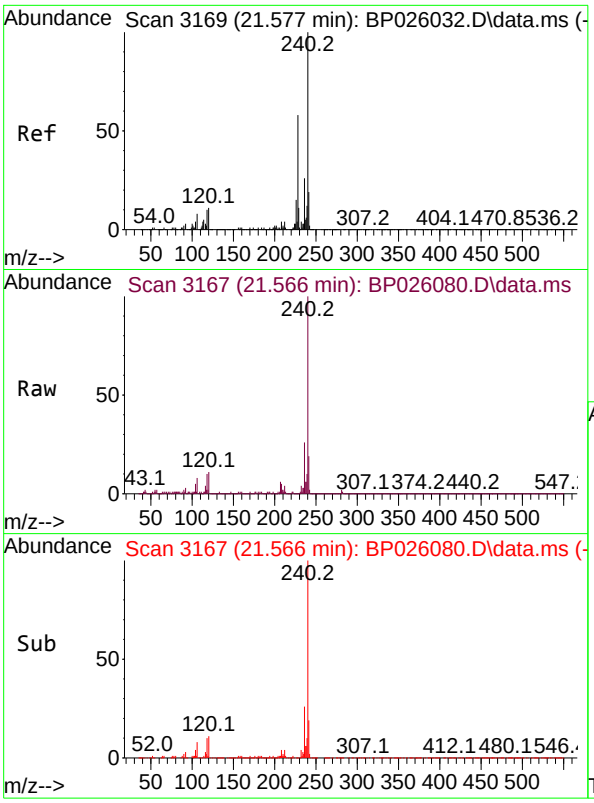


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Tgt Ion:188 Resp: 1563789

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.1	10.7
80	10.2	7.9	11.9



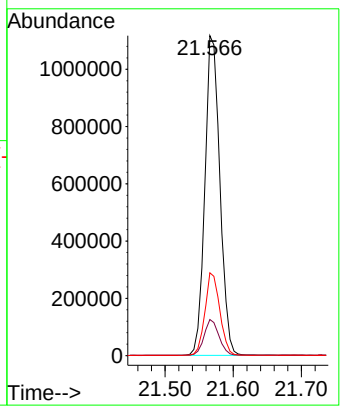


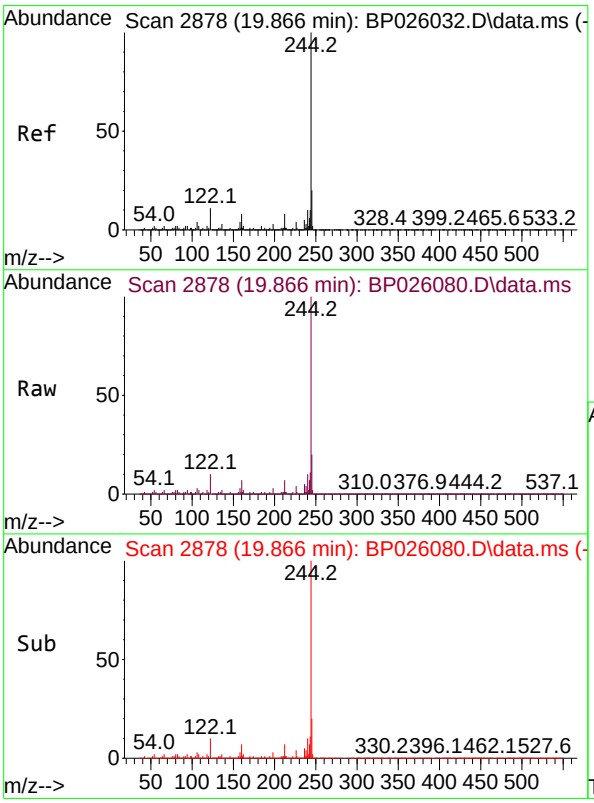
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Instrument :
BNA_P
ClientSampleId :
FB-1

Tgt Ion:240 Resp: 1705423

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.9	20.6	31.0

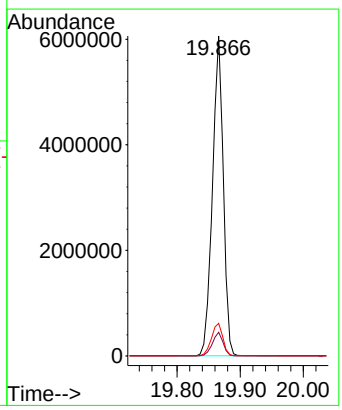


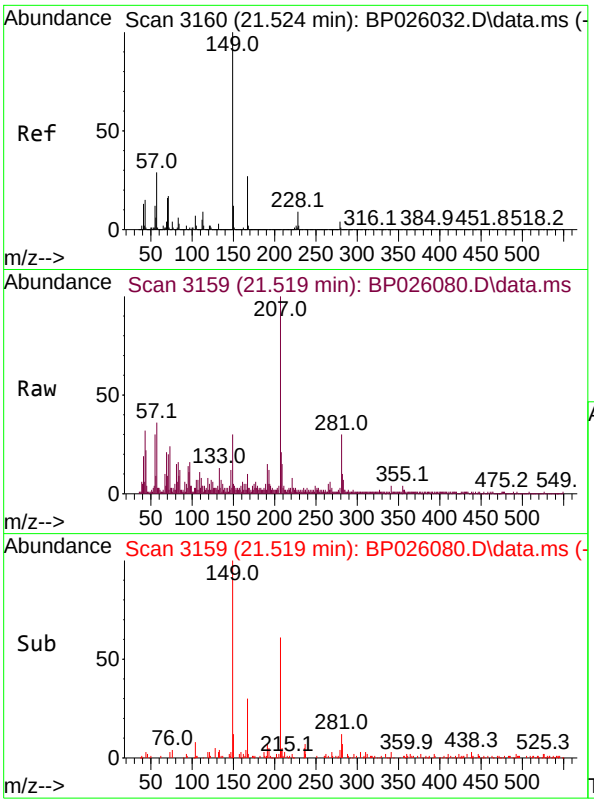


#79
Terphenyl-d14
Concen: 86.115 ng
RT: 19.866 min Scan# 2878
Delta R.T. 0.000 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Tgt Ion:244 Resp: 7228578

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	10.2	9.0	13.6



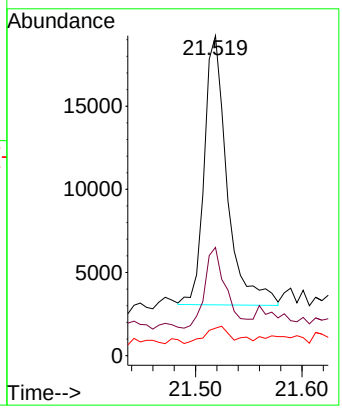


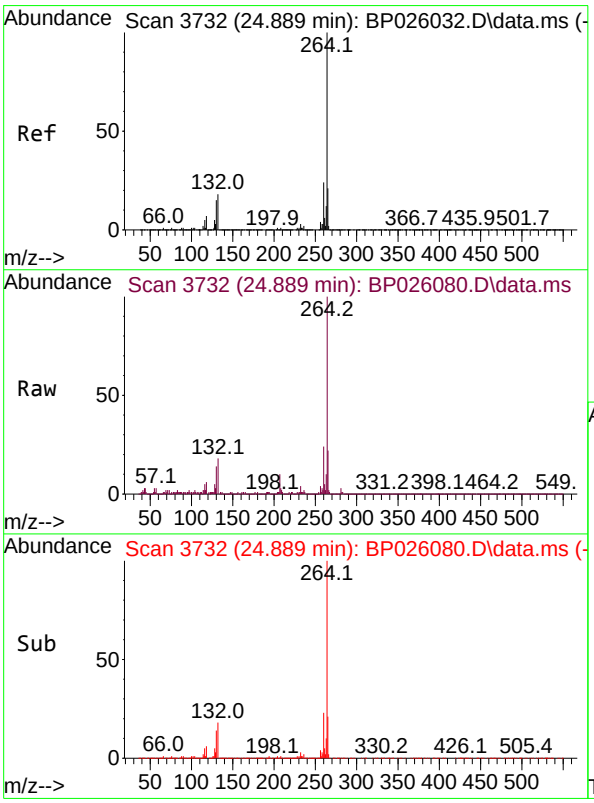
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.930 ng
RT: 21.519 min Scan# 3
Delta R.T. 0.001 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Instrument :
BNA_P
ClientSampleId :
FB-1

Tgt Ion:149 Resp: 24169

Ion	Ratio	Lower	Upper
149	100		
167	33.8	21.5	32.3#
279	8.6	3.0	4.6#

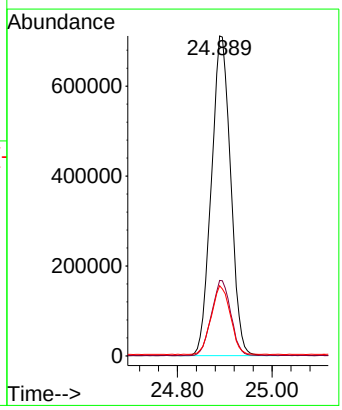




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.006 min
Lab File: BP026080.D
Acq: 06 Nov 2025 17:04

Tgt Ion:264 Resp: 2009785

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.9	17.2	25.8



Sample Results: **BP026080.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On : 06 Nov 2025 17:04
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026080.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.837	316	323	329	rBV2	310246	446527	2.30%	0.497%
2	5.296	394	401	410	rBV	3245233	4596128	23.71%	5.119%
3	6.855	658	666	673	rBV	2002448	3106676	16.03%	3.460%
4	7.678	799	806	814	rBV	1118251	1753116	9.04%	1.952%
5	8.819	991	1000	1010	rVB	3222017	5252766	27.10%	5.850%
6	9.043	1017	1038	1056	rBV	2035950	7847720	40.48%	8.740%
7	10.443	1268	1276	1285	rBV	1416994	2414436	12.46%	2.689%
8	10.872	1341	1349	1359	rVB6	100669	247869	1.28%	0.276%
9	11.019	1367	1374	1393	rVB9	53664	228252	1.18%	0.254%
10	11.254	1409	1414	1418	rBV3	184637	359186	1.85%	0.400%
11	12.919	1690	1697	1706	rBV	8292106	11711828	60.42%	13.043%
12	14.313	1927	1934	1942	rVB	2309514	3200455	16.51%	3.564%
13	14.584	1975	1980	1987	rBV	150307	223023	1.15%	0.248%
14	15.013	2047	2053	2069	rVB	858416	1275868	6.58%	1.421%
15	15.825	2184	2191	2200	rBV	6487063	9974613	51.46%	11.108%
16	17.119	2405	2411	2421	rVB2	2627431	3798726	19.60%	4.230%
17	17.854	2530	2536	2541	rBV	667999	839639	4.33%	0.935%
18	18.078	2569	2574	2583	rBV2	454644	738157	3.81%	0.822%
19	19.225	2765	2769	2773	rBV	301417	384984	1.99%	0.429%
20	19.295	2777	2781	2793	rVV	809818	1364282	7.04%	1.519%
21	19.419	2797	2802	2812	rVV	294939	547347	2.82%	0.610%
22	19.866	2872	2878	2889	rBV	16132659	19384266	100.00%	21.587%
23	21.566	3162	3167	3180	rVB	3043972	4780759	24.66%	5.324%
24	24.889	3725	3732	3746	rVB	1886389	5317440	27.43%	5.922%

Sum of corrected areas: 89794063

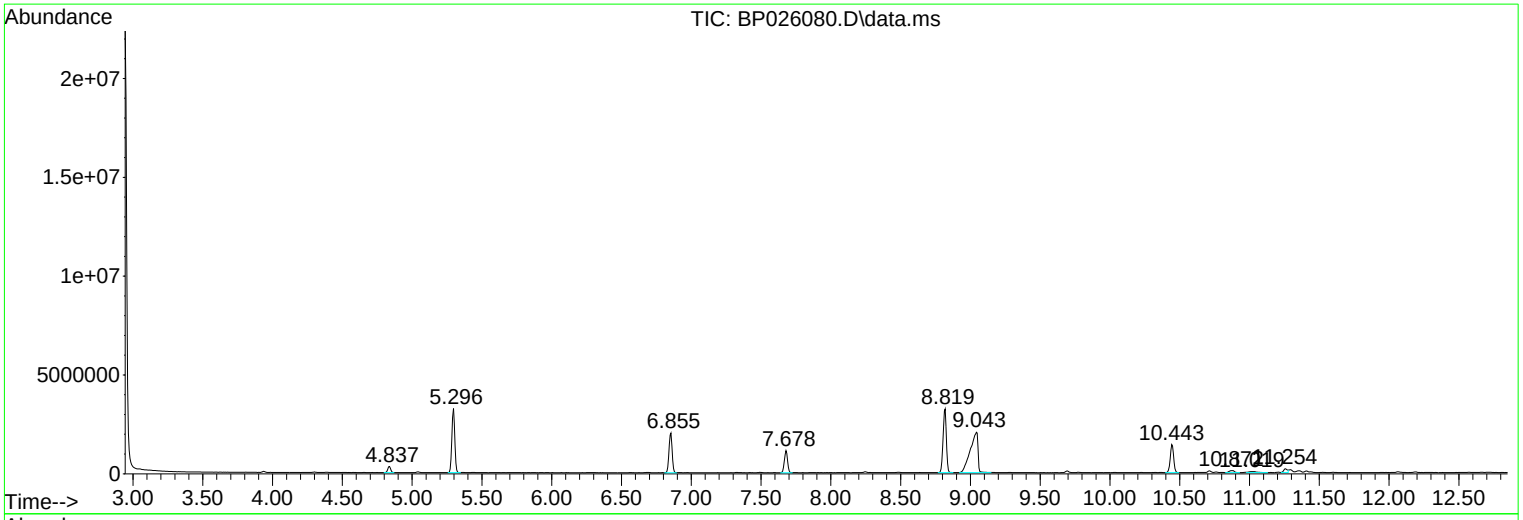
Sample Results: **BP026080.D**

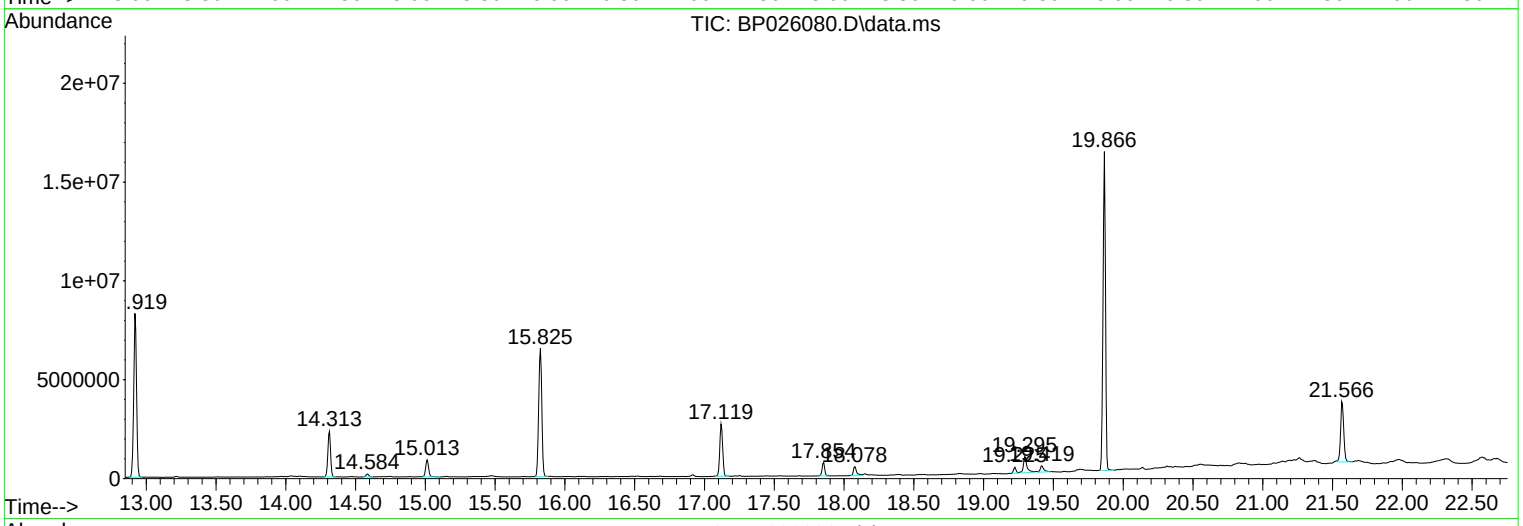
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On : 06 Nov 2025 17:04
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

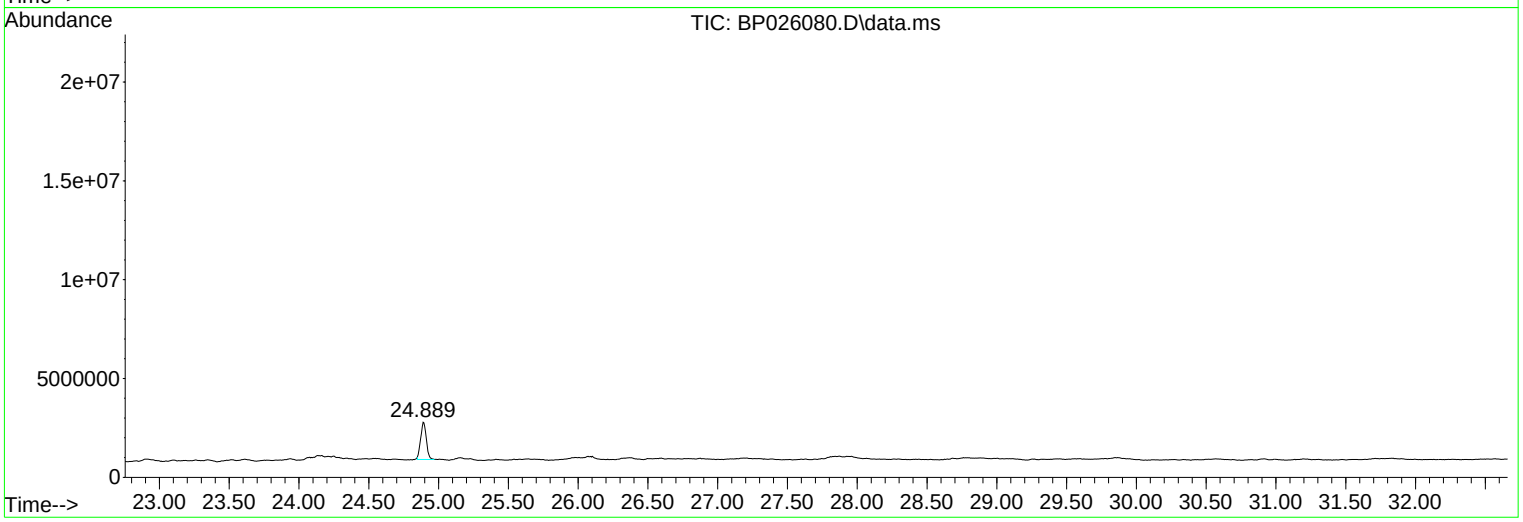
Instrument :
BNA_P
ClientSampleId :
FB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Sample Results: **BP026080.D**

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On    : 06 Nov 2025  17:04
Operator  : RC/JU
Sample    : Q3534-09
Misc      :
ALS Vial  : 6   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

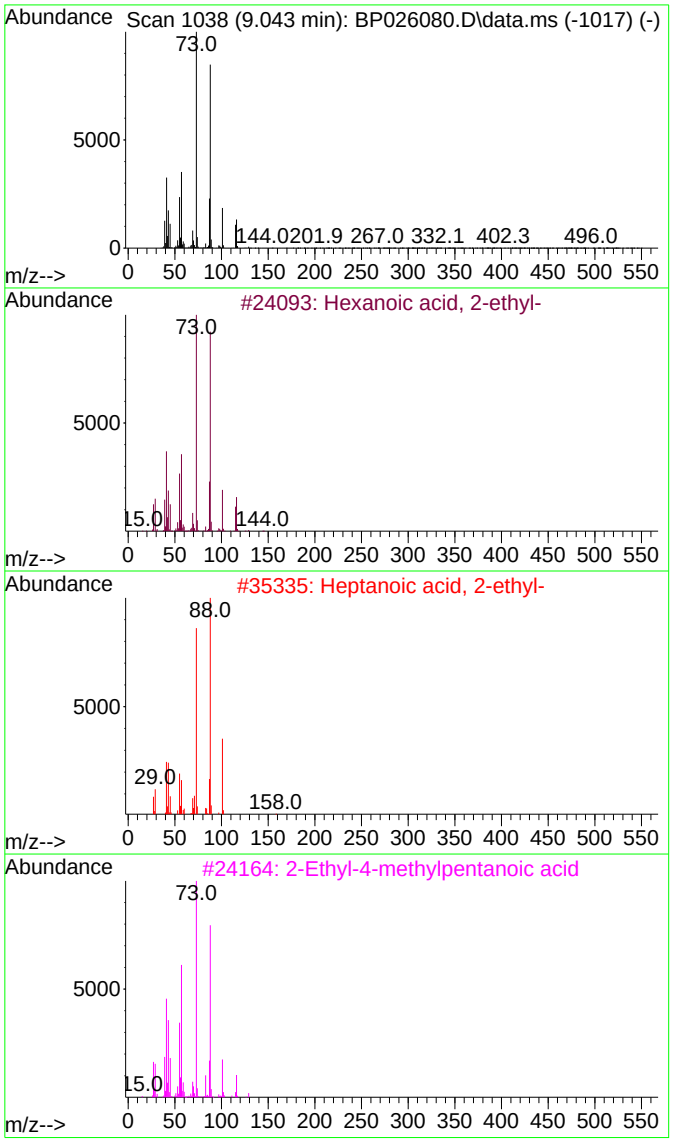
TIC Library    : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

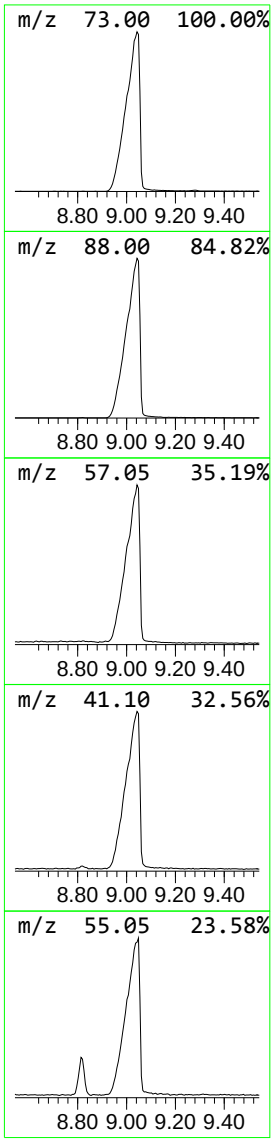
Instrument :
BNA_P
ClientSampleId :
FB-1

```
*********************************************************************
Peak Number  2  Hexanoic acid, 2-ethyl-         Concentration Rank  1
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.043	89.53 ng	7847720	1,4-Dichlorobenzene-d4	7.678

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	91
2	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	59
3	2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	56
4	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	47
5	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	45





Sample Results: **BP026080.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On : 06 Nov 2025 17:04
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-1

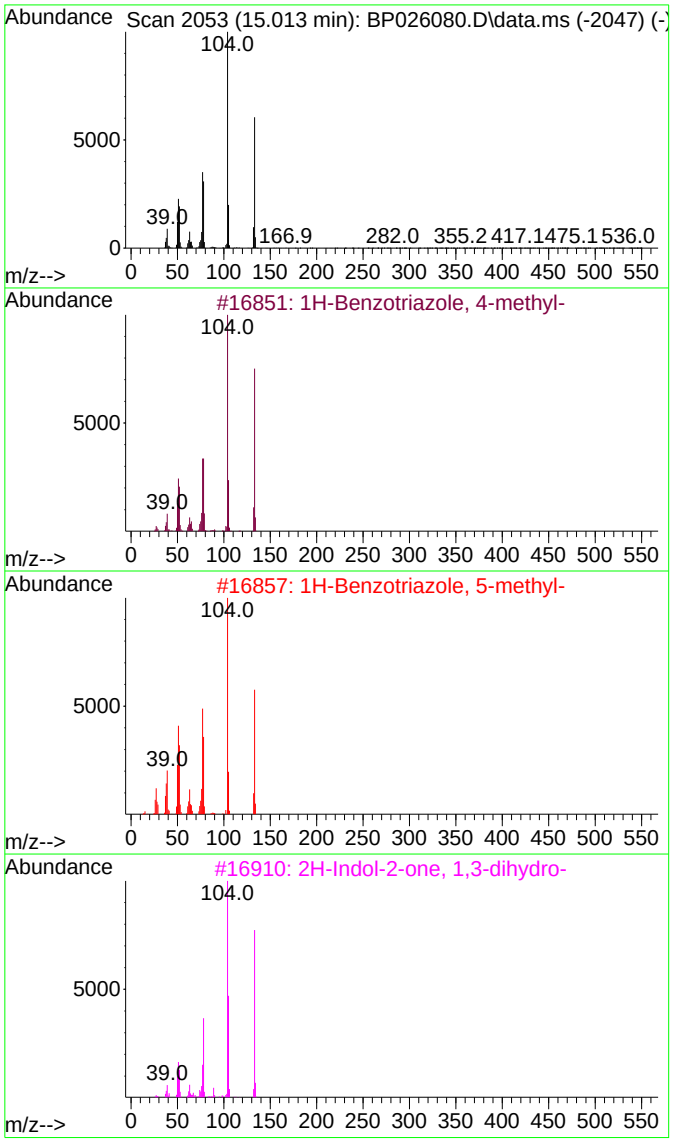
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

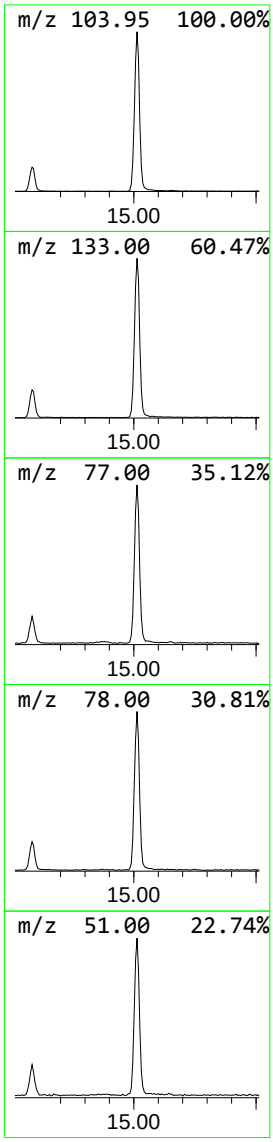
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Benzotriazole, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.013	7.97 ng	1275870	Acenaphthene-d10	14.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzotriazole, 4-methyl-	133	C7H7N3	029878-31-7	98
2	1H-Benzotriazole, 5-methyl-	133	C7H7N3	000136-85-6	97
3	2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	83
4	Benzene, 1-azido-2-methyl-	133	C7H7N3	031656-92-5	72
5	1H-Indol-5-ol	133	C8H7NO	001953-54-4	58





Sample Results: **BP026080.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On : 06 Nov 2025 17:04
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-1

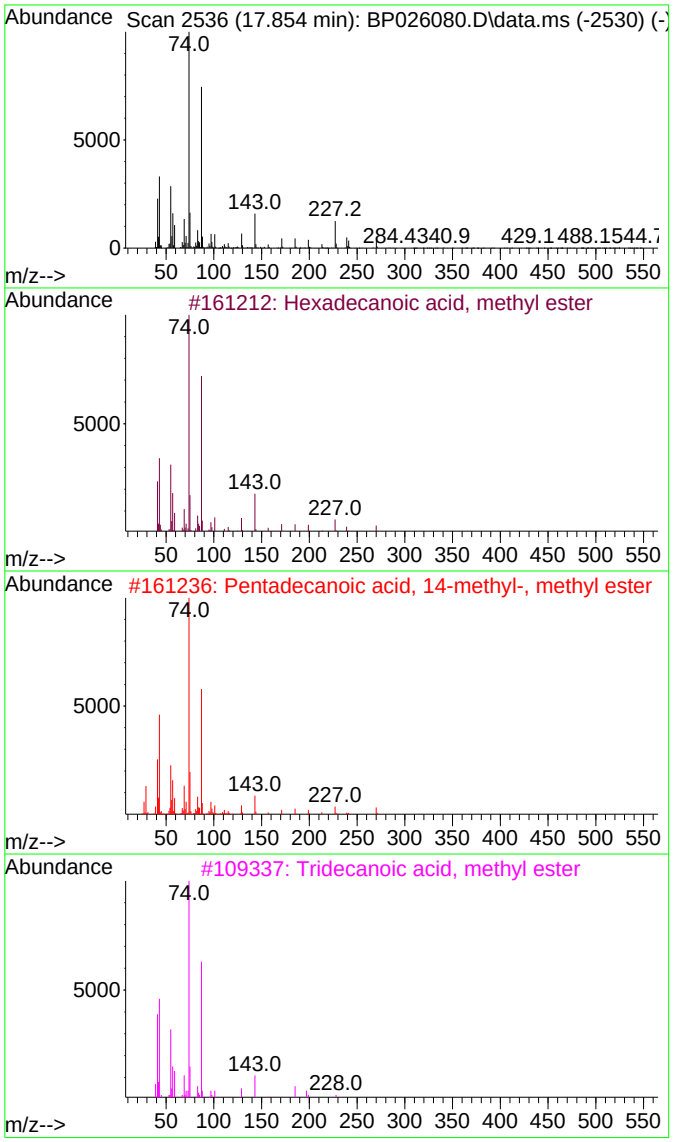
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

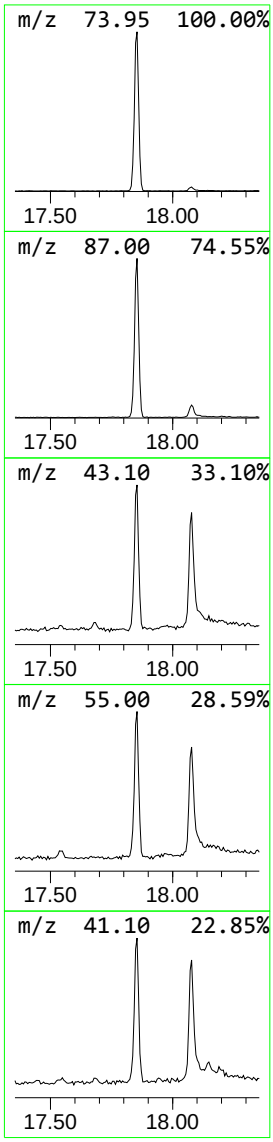
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.854	4.42 ng	839639	Phenanthrene-d10	17.119

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	92
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Methyl stearate	298	C19H38O2	000112-61-8	83





Sample Results: **BP026080.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On : 06 Nov 2025 17:04
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

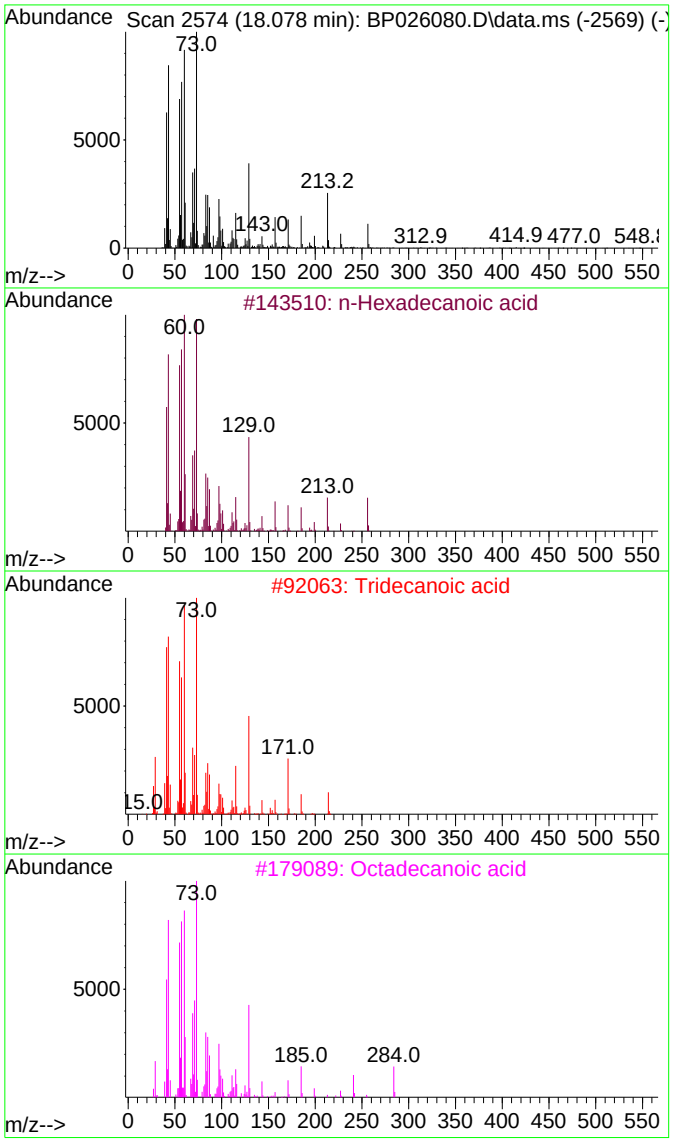
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

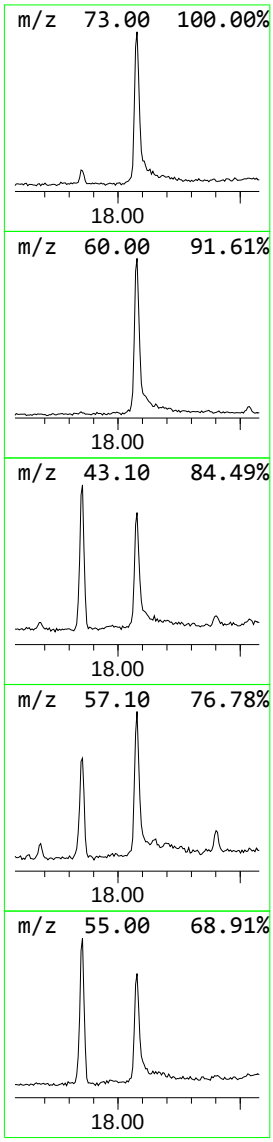
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.078	3.89 ng	738157	Phenanthrene-d10	17.119

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





Sample Results: **BP026080.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On : 06 Nov 2025 17:04
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

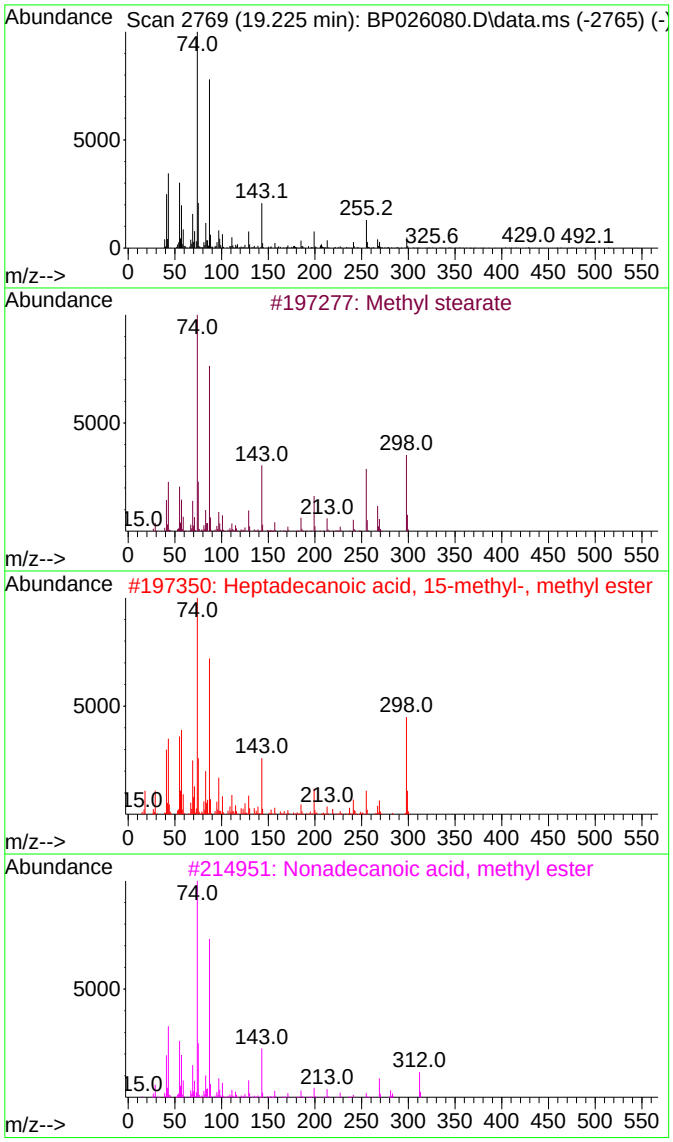
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

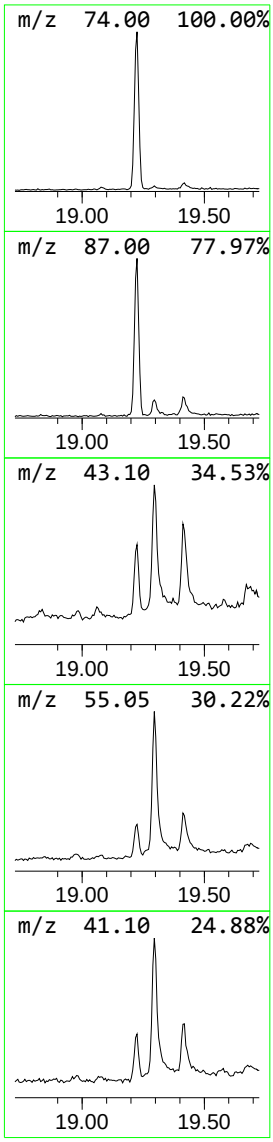
****

Peak Number 8 Methyl stearate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.225	2.03 ng	384984	Phenanthrene-d10	17.119

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	91
3	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	90
4	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	90
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	86





Sample Results: **BP026080.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On : 06 Nov 2025 17:04
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

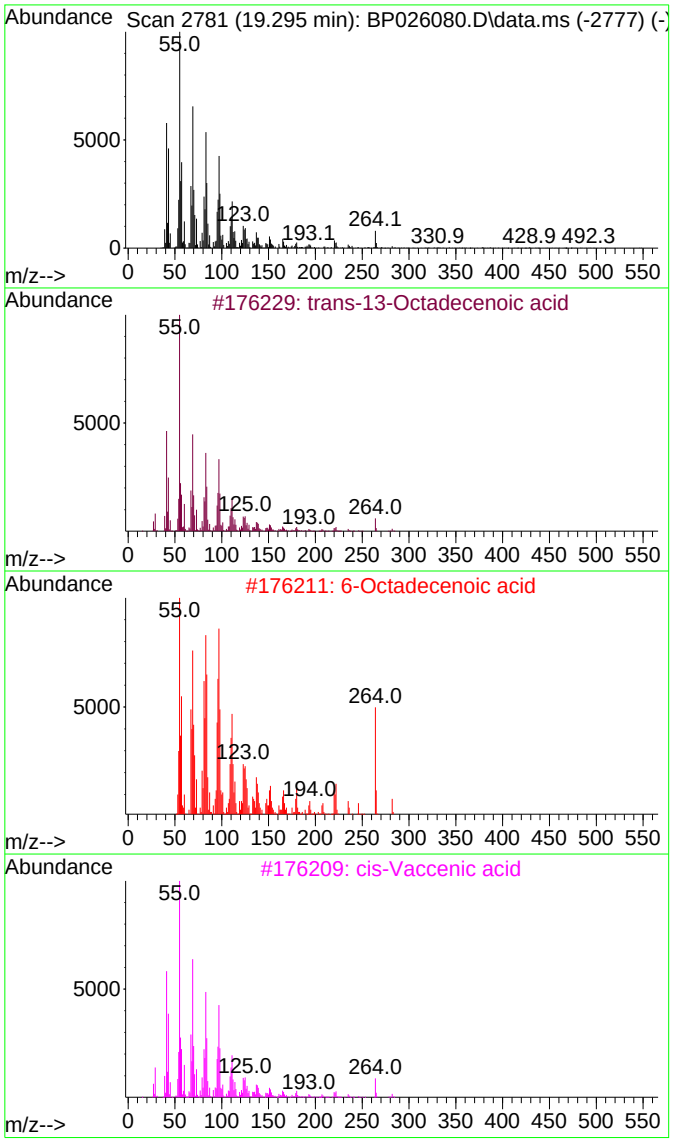
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

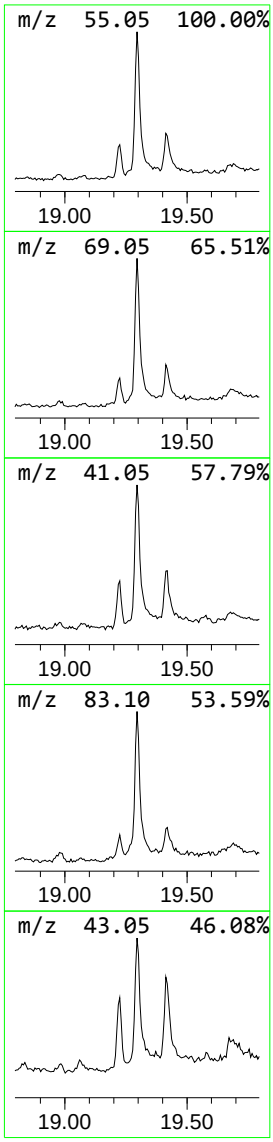
****

Peak Number 9 trans-13-Octadecenoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.295	7.18 ng	1364280	Phenanthrene-d10	17.119

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	97
2	6-Octadecenoic acid	282	C18H34O2	1000336-66-8	93
3	cis-Vaccenic acid	282	C18H34O2	000506-17-2	93
4	Palmitoleic acid	254	C16H30O2	000373-49-9	93
5	(E)-Hexadec-9-enoic acid	254	C16H30O2	010030-73-6	93





Sample Results: **BP026080.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On : 06 Nov 2025 17:04
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

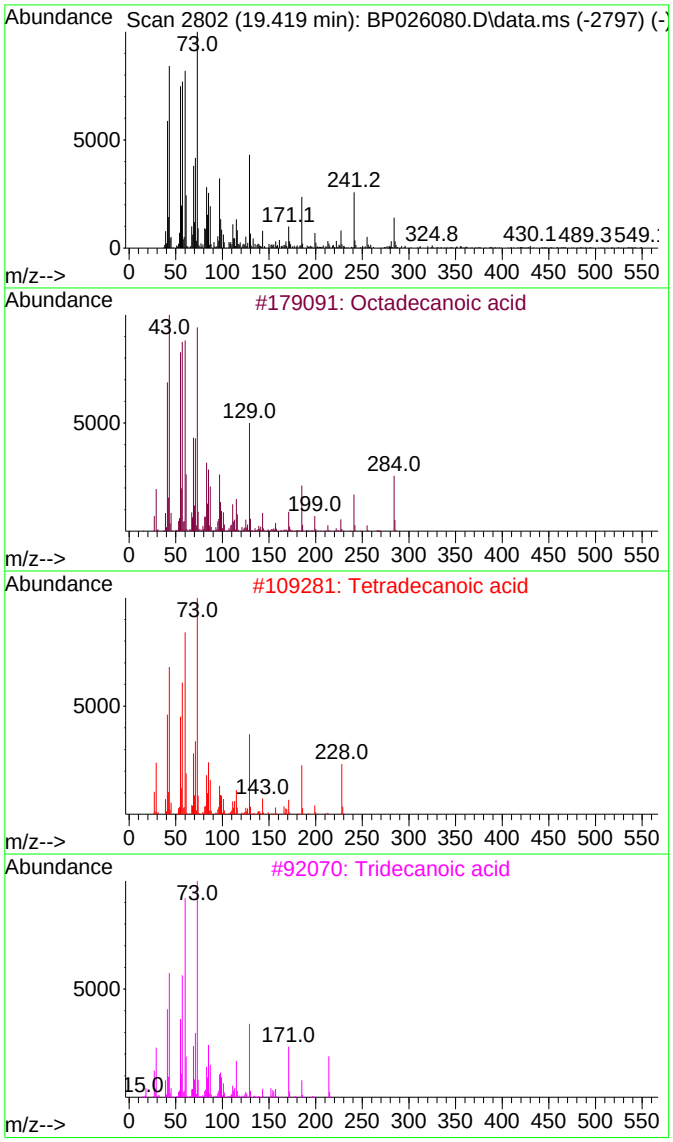
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

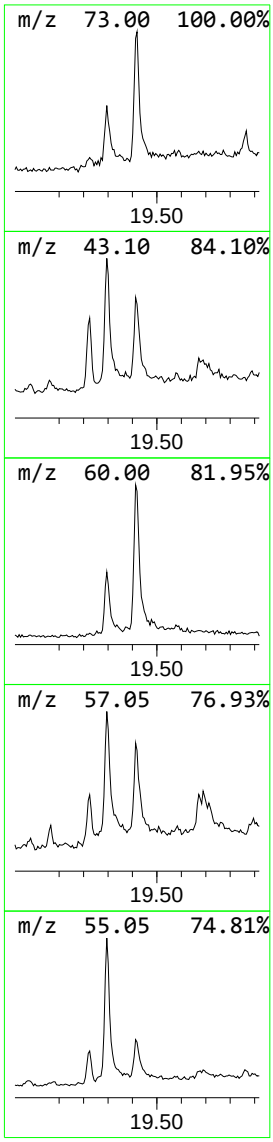
****

Peak Number 10 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.419	2.29 ng	547347	Chrysene-d12	21.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	Tridecanoic acid	214	C13H26O2	000638-53-9	76
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72





Tentatively Identified Compound (LSC) summary

Sample Results: **BP026080.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026080.D
Acq On : 06 Nov 2025 17:04
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Hexanoic acid, ...	9.043	89.5	ng	7847720	1	7.678	1753120	20.0
1H-Benzotriazol...	15.013	8.0	ng	1275870	3	14.313	3200460	20.0
Hexadecanoic ac...	17.854	4.4	ng	839639	4	17.119	3798730	20.0
n-Hexadecanoic ...	18.078	3.9	ng	738157	4	17.119	3798730	20.0
Methyl stearate	19.225	2.0	ng	384984	4	17.119	3798730	20.0
trans-13-Octade...	19.295	7.2	ng	1364280	4	17.119	3798730	20.0
Octadecanoic acid	19.419	2.3	ng	547347	5	21.566	4780760	20.0

Raw Data: **BP026081.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	EB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-10	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	500 mL Final Vol: 500 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	3.90	U	1	3.90	10.0	ug/L	11/06/25 17:45	PB170424
108-95-2	Phenol	0.91	U	1	0.91	5.00	ug/L	11/06/25 17:45	PB170424
111-44-4	bis(2-Chloroethyl)ether	0.81	U	1	0.81	5.00	ug/L	11/06/25 17:45	PB170424
95-57-8	2-Chlorophenol	0.58	U	1	0.58	5.00	ug/L	11/06/25 17:45	PB170424
95-48-7	2-Methylphenol	1.10	U	1	1.10	5.00	ug/L	11/06/25 17:45	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.00	ug/L	11/06/25 17:45	PB170424
98-86-2	Acetophenone	0.74	U	1	0.74	5.00	ug/L	11/06/25 17:45	PB170424
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.0	ug/L	11/06/25 17:45	PB170424
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1	1.40	2.50	ug/L	11/06/25 17:45	PB170424
67-72-1	Hexachloroethane	0.65	U	1	0.65	5.00	ug/L	11/06/25 17:45	PB170424
98-95-3	Nitrobenzene	0.76	U	1	0.76	5.00	ug/L	11/06/25 17:45	PB170424
78-59-1	Isophorone	0.75	U	1	0.75	5.00	ug/L	11/06/25 17:45	PB170424
88-75-5	2-Nitrophenol	1.80	U	1	1.80	5.00	ug/L	11/06/25 17:45	PB170424
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.00	ug/L	11/06/25 17:45	PB170424
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	1	0.68	5.00	ug/L	11/06/25 17:45	PB170424
120-83-2	2,4-Dichlorophenol	0.52	U	1	0.52	5.00	ug/L	11/06/25 17:45	PB170424
91-20-3	Naphthalene	0.50	U	1	0.50	5.00	ug/L	11/06/25 17:45	PB170424
106-47-8	4-Chloroaniline	0.84	UQ	1	0.84	5.00	ug/L	11/06/25 17:45	PB170424
87-68-3	Hexachlorobutadiene	0.54	U	1	0.54	5.00	ug/L	11/06/25 17:45	PB170424
105-60-2	Caprolactam	1.10	U	1	1.10	10.0	ug/L	11/06/25 17:45	PB170424
59-50-7	4-Chloro-3-methylphenol	0.59	U	1	0.59	5.00	ug/L	11/06/25 17:45	PB170424
91-57-6	2-Methylnaphthalene	0.56	U	1	0.56	5.00	ug/L	11/06/25 17:45	PB170424
77-47-4	Hexachlorocyclopentadiene	3.60	U	1	3.60	10.0	ug/L	11/06/25 17:45	PB170424
88-06-2	2,4,6-Trichlorophenol	0.51	U	1	0.51	5.00	ug/L	11/06/25 17:45	PB170424
95-95-4	2,4,5-Trichlorophenol	0.62	U	1	0.62	5.00	ug/L	11/06/25 17:45	PB170424
92-52-4	1,1-Biphenyl	0.53	U	1	0.53	5.00	ug/L	11/06/25 17:45	PB170424
91-58-7	2-Chloronaphthalene	0.61	U	1	0.61	5.00	ug/L	11/06/25 17:45	PB170424
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.00	ug/L	11/06/25 17:45	PB170424
131-11-3	Dimethylphthalate	0.61	U	1	0.61	5.00	ug/L	11/06/25 17:45	PB170424
208-96-8	Acenaphthylene	0.75	U	1	0.75	5.00	ug/L	11/06/25 17:45	PB170424
606-20-2	2,6-Dinitrotoluene	0.92	U	1	0.92	5.00	ug/L	11/06/25 17:45	PB170424
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.00	ug/L	11/06/25 17:45	PB170424
83-32-9	Acenaphthene	0.55	U	1	0.55	5.00	ug/L	11/06/25 17:45	PB170424
51-28-5	2,4-Dinitrophenol	6.00	U	1	6.00	10.0	ug/L	11/06/25 17:45	PB170424
100-02-7	4-Nitrophenol	2.40	U	1	2.40	10.0	ug/L	11/06/25 17:45	PB170424
132-64-9	Dibenzofuran	0.61	U	1	0.61	5.00	ug/L	11/06/25 17:45	PB170424
121-14-2	2,4-Dinitrotoluene	1.20	U	1	1.20	5.00	ug/L	11/06/25 17:45	PB170424
84-66-2	Diethylphthalate	0.69	U	1	0.69	5.00	ug/L	11/06/25 17:45	PB170424
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	1	0.68	5.00	ug/L	11/06/25 17:45	PB170424
86-73-7	Fluorene	0.63	U	1	0.63	5.00	ug/L	11/06/25 17:45	PB170424
100-01-6	4-Nitroaniline	1.50	U	1	1.50	5.00	ug/L	11/06/25 17:45	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	1	2.90	10.0	ug/L	11/06/25 17:45	PB170424

Raw Data: **BP026081.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	EB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-10	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	500 mL Final Vol: 500 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.58	U	1	0.58	5.00	ug/L	11/06/25 17:45	PB170424
101-55-3	4-Bromophenyl-phenylether	0.40	U	1	0.40	5.00	ug/L	11/06/25 17:45	PB170424
118-74-1	Hexachlorobenzene	0.52	U	1	0.52	5.00	ug/L	11/06/25 17:45	PB170424
1912-24-9	Atrazine	1.00	U	1	1.00	5.00	ug/L	11/06/25 17:45	PB170424
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.0	ug/L	11/06/25 17:45	PB170424
85-01-8	Phenanthrene	0.50	U	1	0.50	5.00	ug/L	11/06/25 17:45	PB170424
120-12-7	Anthracene	0.61	U	1	0.61	5.00	ug/L	11/06/25 17:45	PB170424
86-74-8	Carbazole	0.72	U	1	0.72	5.00	ug/L	11/06/25 17:45	PB170424
84-74-2	Di-n-butylphthalate	1.20	U	1	1.20	5.00	ug/L	11/06/25 17:45	PB170424
206-44-0	Fluoranthene	0.82	U	1	0.82	5.00	ug/L	11/06/25 17:45	PB170424
129-00-0	Pyrene	0.50	U	1	0.50	5.00	ug/L	11/06/25 17:45	PB170424
85-68-7	Butylbenzylphthalate	1.90	U	1	1.90	5.00	ug/L	11/06/25 17:45	PB170424
91-94-1	3,3-Dichlorobenzidine	0.93	U	1	0.93	10.0	ug/L	11/06/25 17:45	PB170424
56-55-3	Benzo(a)anthracene	0.45	U	1	0.45	5.00	ug/L	11/06/25 17:45	PB170424
218-01-9	Chrysene	0.44	U	1	0.44	5.00	ug/L	11/06/25 17:45	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	2.80	J	1	1.60	5.00	ug/L	11/06/25 17:45	PB170424
117-84-0	Di-n-octyl phthalate	2.30	U	1	2.30	10.0	ug/L	11/06/25 17:45	PB170424
205-99-2	Benzo(b)fluoranthene	0.49	U	1	0.49	5.00	ug/L	11/06/25 17:45	PB170424
207-08-9	Benzo(k)fluoranthene	0.48	U	1	0.48	5.00	ug/L	11/06/25 17:45	PB170424
50-32-8	Benzo(a)pyrene	0.55	U	1	0.55	5.00	ug/L	11/06/25 17:45	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	1	0.59	5.00	ug/L	11/06/25 17:45	PB170424
53-70-3	Dibenzo(a,h)anthracene	0.67	U	1	0.67	5.00	ug/L	11/06/25 17:45	PB170424
191-24-2	Benzo(g,h,i)perylene	0.69	U	1	0.69	5.00	ug/L	11/06/25 17:45	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	1	0.52	5.00	ug/L	11/06/25 17:45	PB170424
123-91-1	1,4-Dioxane	1.00	U	1	1.00	5.00	ug/L	11/06/25 17:45	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	1	0.72	5.00	ug/L	11/06/25 17:45	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	42.8			15 (23) - 110 (138)	57%	SPK: 75		
13127-88-3	Phenol-d6	25.7			15 (10) - 110 (134)	34%	SPK: 75		
4165-60-0	Nitrobenzene-d5	49.6			30 (67) - 130 (132)	99%	SPK: 50		
321-60-8	2-Fluorobiphenyl	42.9			30 (52) - 130 (132)	86%	SPK: 50		
118-79-6	2,4,6-Tribromophenol	81.6			15 (44) - 110 (137)	109%	SPK: 75		
1718-51-0	Terphenyl-d14	46.5			30 (42) - 130 (152)	93%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	277000							
1146-65-2	Naphthalene-d8	1070000							
15067-26-2	Acenaphthene-d10	656000							
1517-22-2	Phenanthrene-d10	1340000							
1719-03-5	Chrysene-d12	1520000							
1520-96-3	Perylene-d12	1840000							
TENTATIVE IDENTIFIED COMPOUNDS									
92-87-5	Benzidine	41.5	J			19.4	ug/L		

Raw Data: **BP026081.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	11/04/25
Project:	Edison Landfill			Date Received:	11/04/25
Client Sample ID:	EB-1			SDG No.:	Q3534
Lab Sample ID:	Q3534-10			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	500 mL	Final Vol:	500 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date:	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **BP026081.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026081.D
Acq On : 06 Nov 2025 17:45
Operator : RC/JU
Sample : Q3534-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-1

Quant Time: Nov 07 01:01:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	277359	20.000	ng	-0.01
21) Naphthalene-d8	10.449	136	1074842	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	656338	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1338846	20.000	ng	0.00
76) Chrysene-d12	21.572	240	1519419	20.000	ng	0.00
86) Perylene-d12	24.901	264	1841615	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1437672	85.532	ng	0.00
7) Phenol-d6	6.849	99	1101390	51.481	ng	0.00
23) Nitrobenzene-d5	8.819	82	1711143	99.245	ng	0.00
42) 2,4,6-Tribromophenol	15.837	330	1158129	163.217	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	3915612	85.725	ng	0.00
79) Terphenyl-d14	19.860	244	6948205	92.908	ng	0.00
Target Compounds						Qvalue
77) Benzidine	19.442	184	1600987	41.512	ng	99
84) Bis(2-ethylhexyl)phtha...	21.519	149	15838	2.842	ng #	95

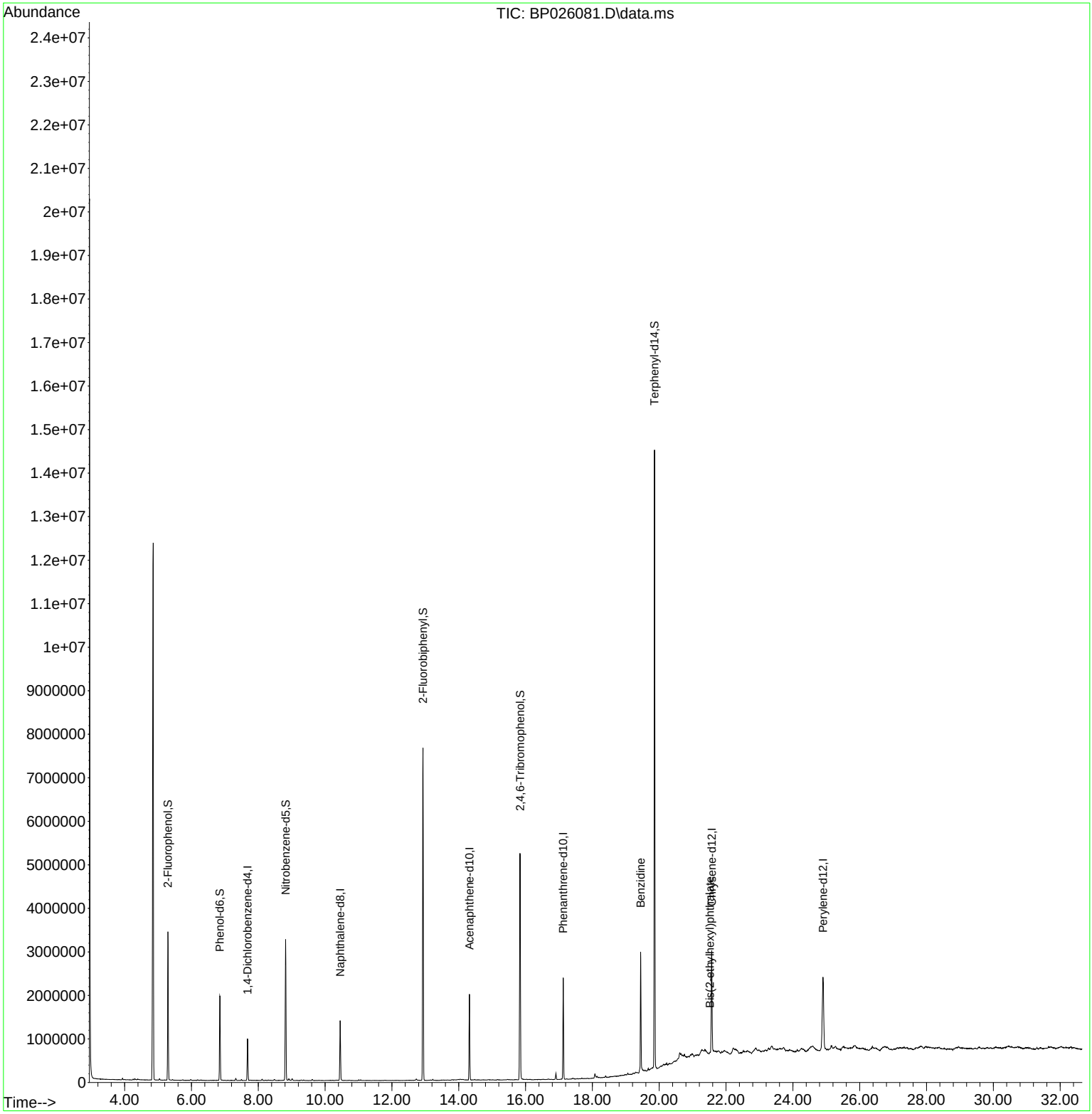
(#) = qualifier out of range (m) = manual integration (+) = signals summed

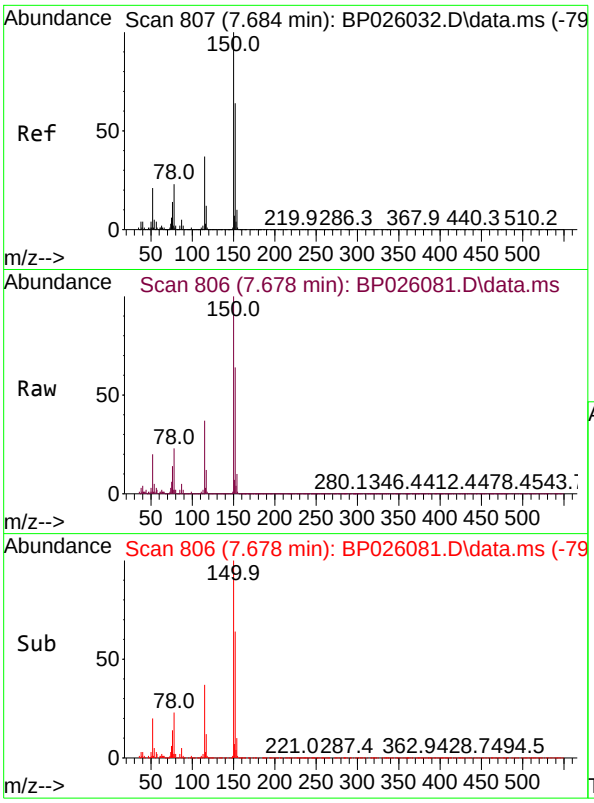
Sample Results: **BP026081.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026081.D
Acq On : 06 Nov 2025 17:45
Operator : RC/JU
Sample : Q3534-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-1

Quant Time: Nov 07 01:01:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



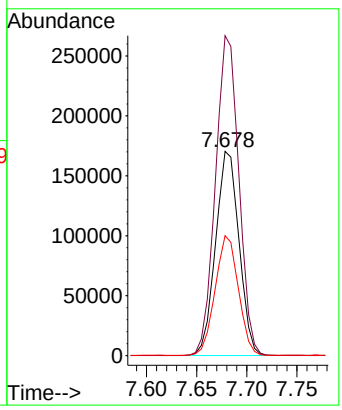


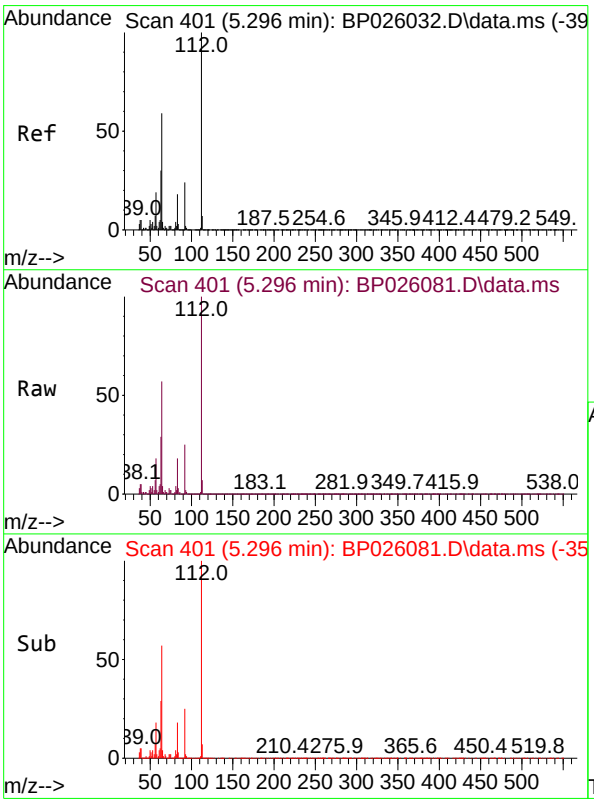
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Instrument :
BNA_P
ClientSampleId :
EB-1

Tgt Ion:152 Resp: 277359

Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.7	188.5
115	58.7	46.4	69.6

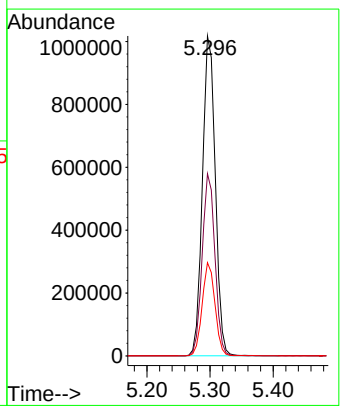


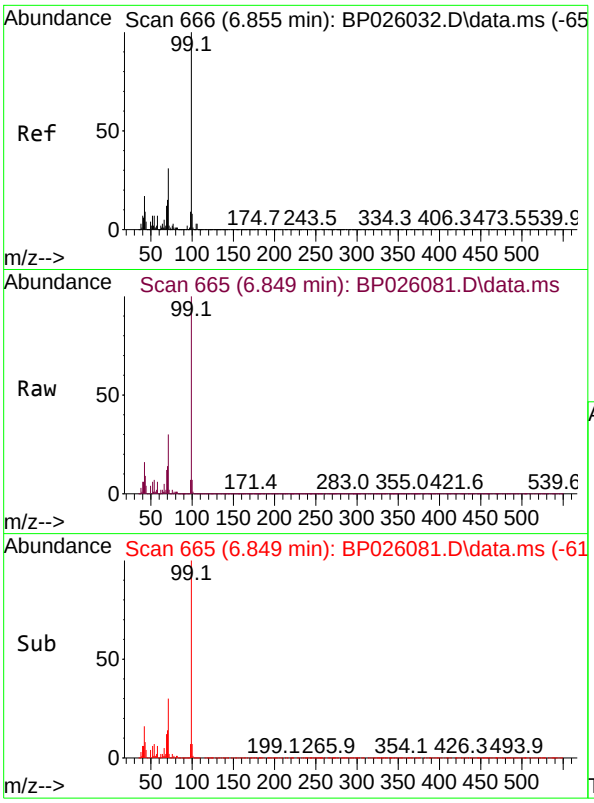


#5
2-Fluorophenol
Concen: 85.532 ng
RT: 5.296 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Tgt Ion:112 Resp: 1437672

Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.4	71.2
63	29.1	24.2	36.4



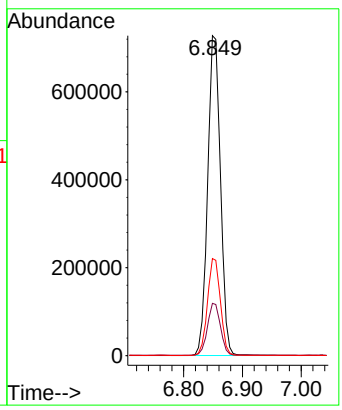


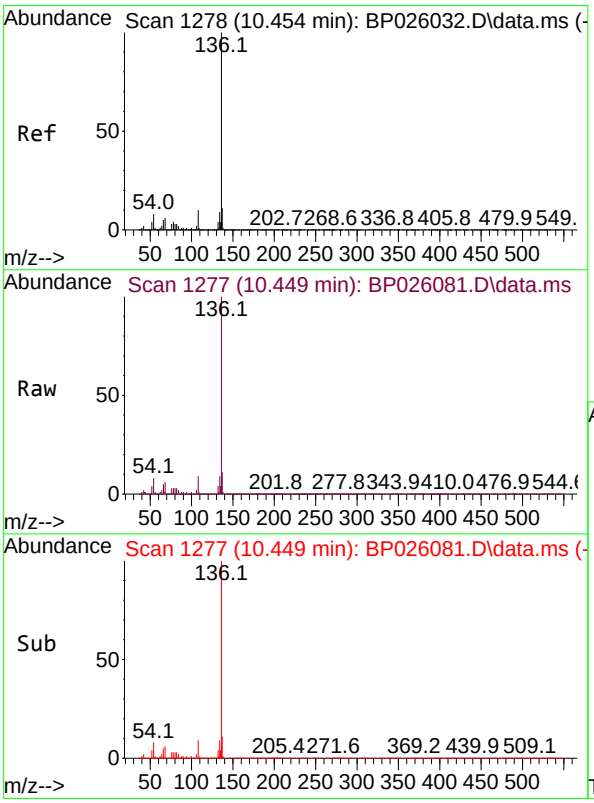
#7
Phenol-d6
Concen: 51.481 ng
RT: 6.849 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Instrument :
BNA_P
ClientSampleId :
EB-1

Tgt Ion: 99 Resp: 1101390

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.7	20.5
71	30.3	24.4	36.6

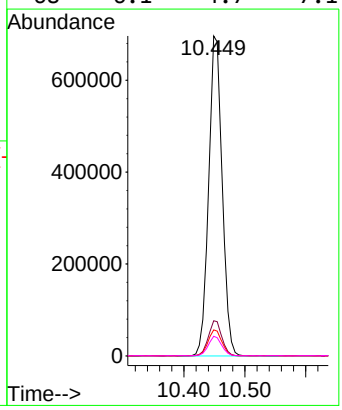


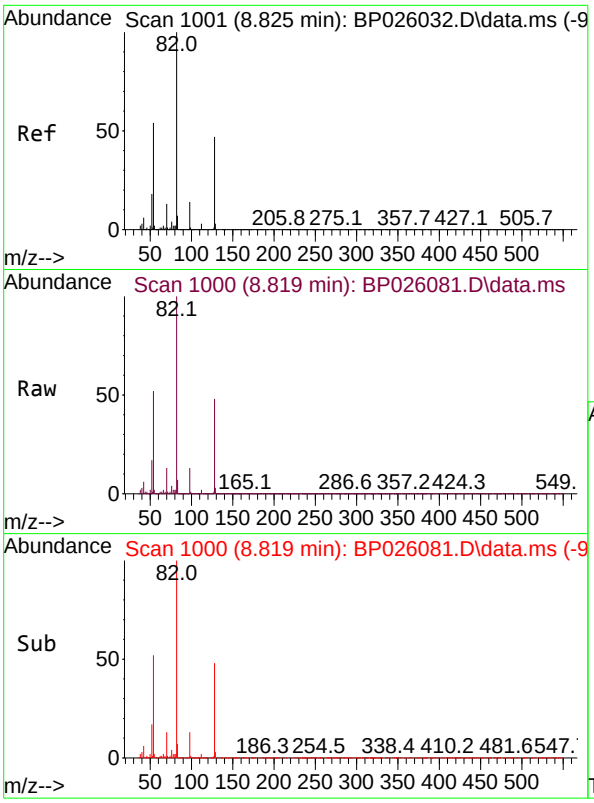


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1277
Delta R.T. -0.005 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Tgt Ion:136 Resp: 1074842

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.1	6.6	10.0
68	6.1	4.7	7.1



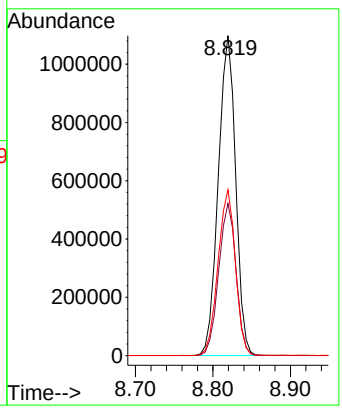


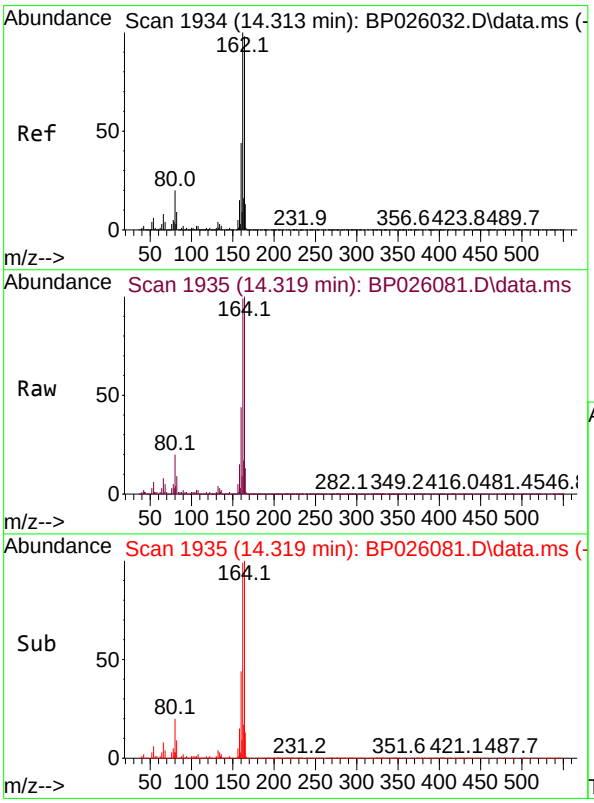
#23
Nitrobenzene-d5
Concen: 99.245 ng
RT: 8.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Instrument :
BNA_P
ClientSampleId :
EB-1

Tgt Ion: 82 Resp: 1711143

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.4	56.0
54	51.9	42.7	64.1

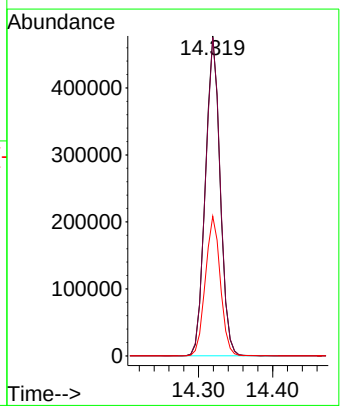


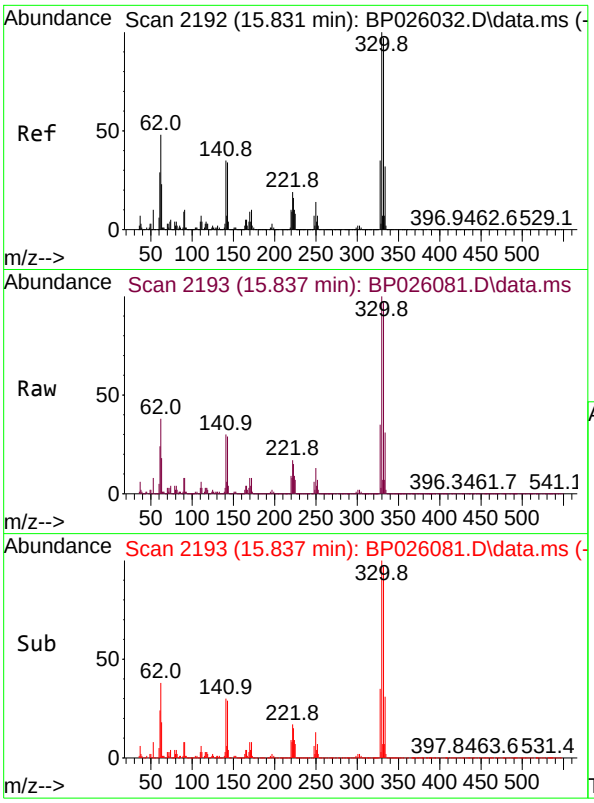


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Tgt Ion:164 Resp: 656338

Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.5	122.3
160	43.6	36.2	54.4



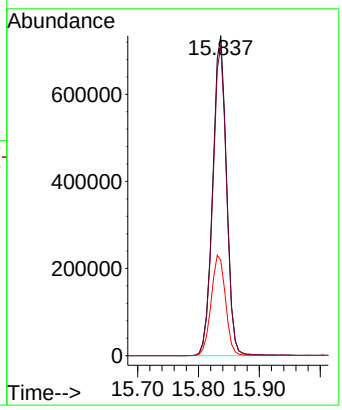


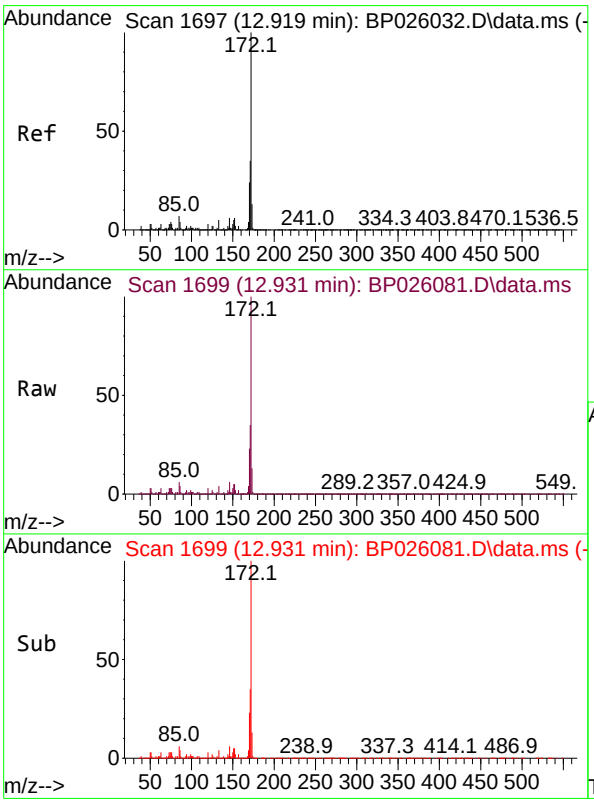
#42
2,4,6-Tribromophenol
Concen: 163.217 ng
RT: 15.837 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Instrument :
BNA_P
ClientSampleId :
EB-1

Tgt Ion:330 Resp: 1158129

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	32.7	28.6	42.8

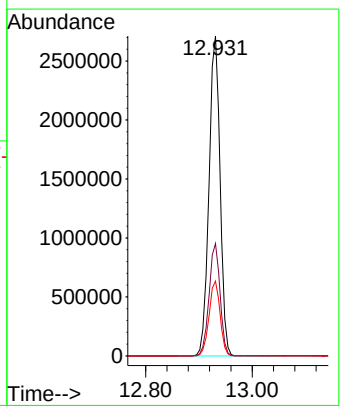


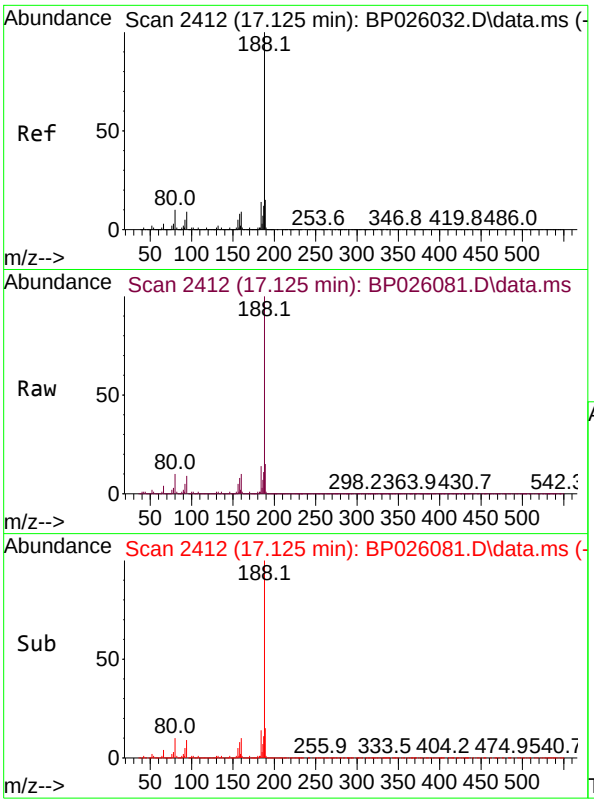


#45
2-Fluorobiphenyl
Concen: 85.725 ng
RT: 12.931 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Tgt Ion:172 Resp: 3915612

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.9	41.9
170	23.4	19.0	28.4



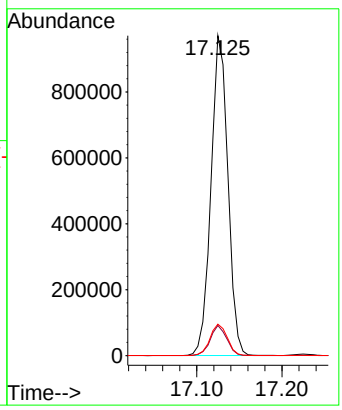


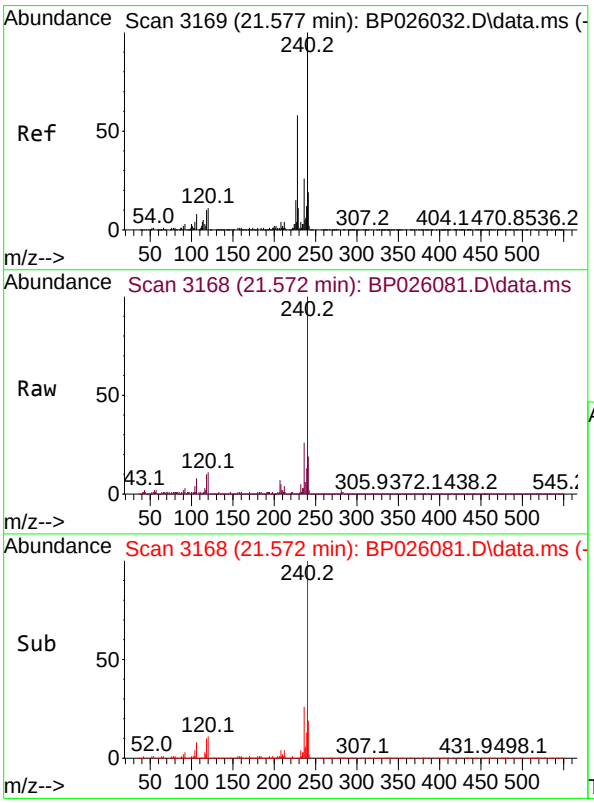
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Instrument :
BNA_P
ClientSampleId :
EB-1

Tgt Ion:188 Resp: 1338846

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.1	10.7
80	9.8	7.9	11.9

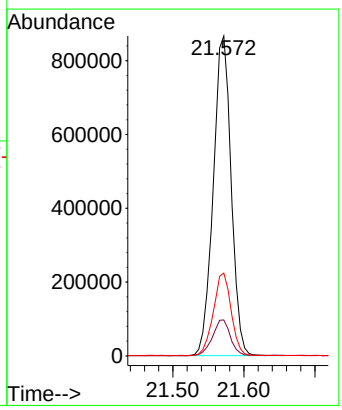


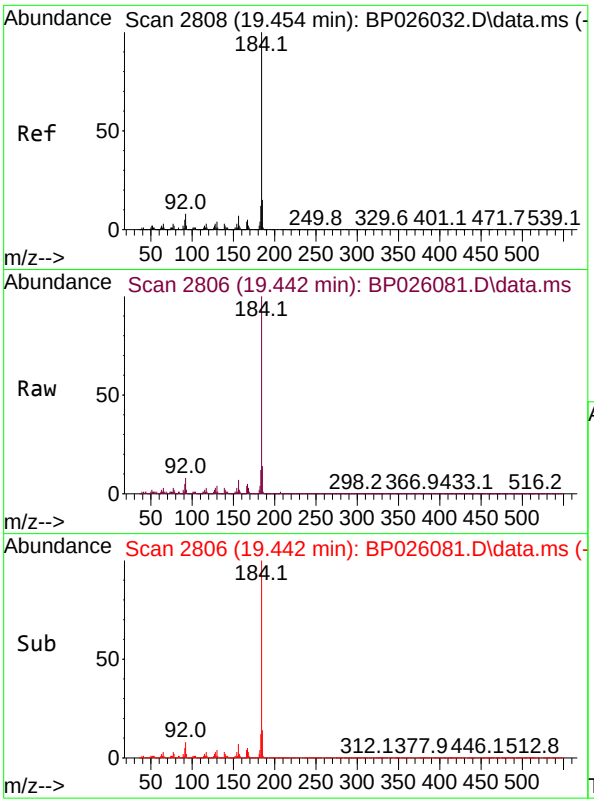


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3168
Delta R.T. 0.006 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Tgt Ion:240 Resp: 1519419

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	25.9	20.6	31.0



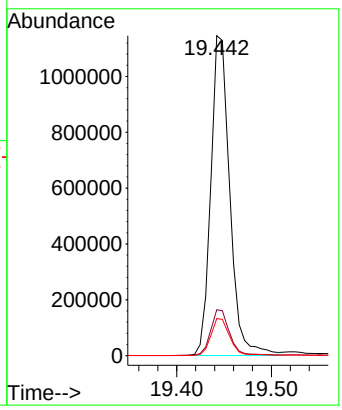


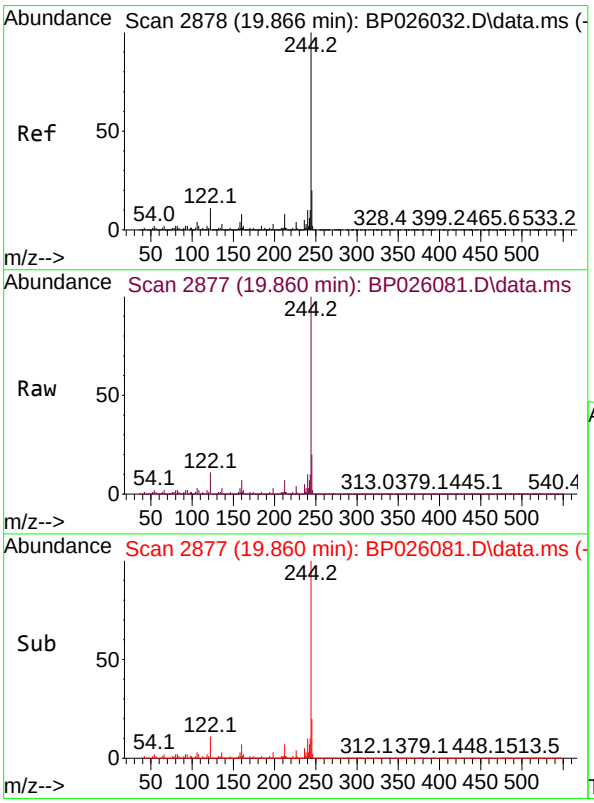
#77
Benzidine
Concen: 41.512 ng
RT: 19.442 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Instrument :
BNA_P
ClientSampleId :
EB-1

Tgt Ion:184 Resp: 1600987

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.9	17.9
183	11.6	9.2	13.8

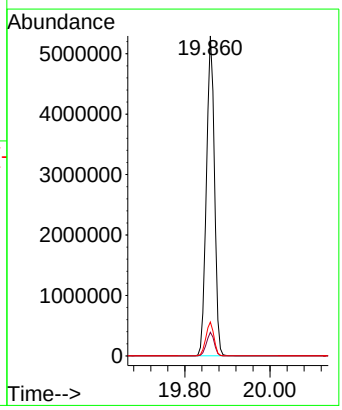


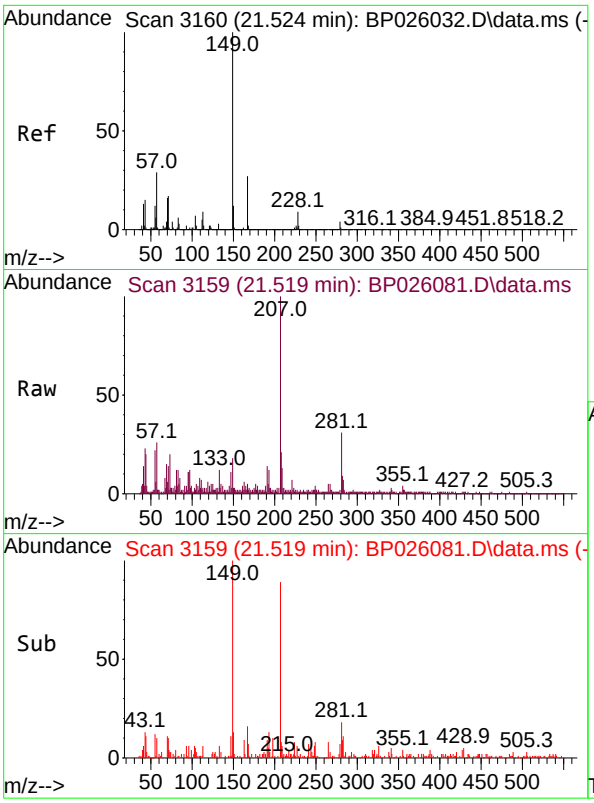


#79
Terphenyl-d14
Concen: 92.908 ng
RT: 19.860 min Scan# 2877
Delta R.T. -0.006 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Tgt Ion:244 Resp: 6948205

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	10.6	9.0	13.6



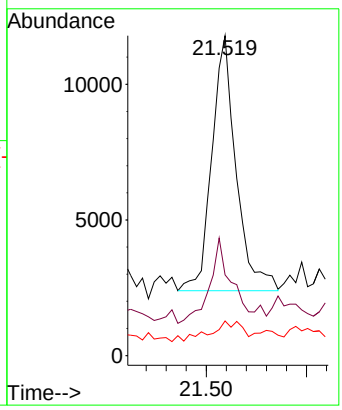


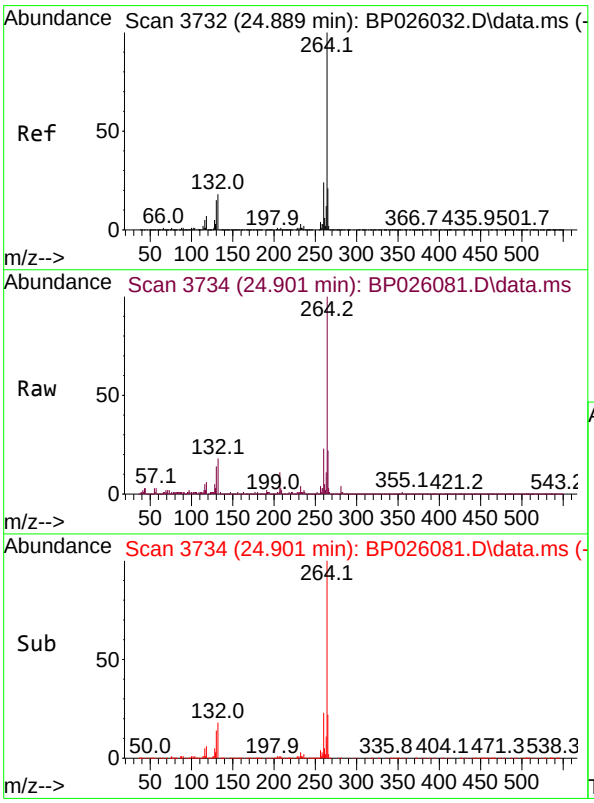
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.842 ng
RT: 21.519 min Scan# 3
Delta R.T. 0.001 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Instrument :
BNA_P
ClientSampleId :
EB-1

Tgt Ion:149 Resp: 15838

Ion	Ratio	Lower	Upper
149	100		
167	25.2	21.5	32.3
279	10.8	3.0	4.6#

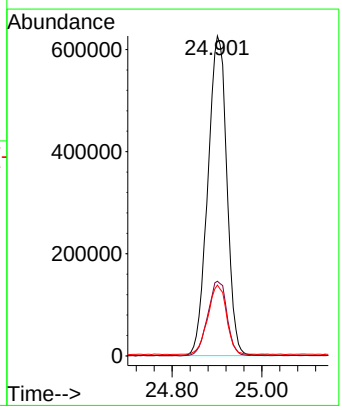




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.901 min Scan# 3734
Delta R.T. 0.018 min
Lab File: BP026081.D
Acq: 06 Nov 2025 17:45

Tgt Ion:264 Resp: 1841615

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.1	28.7
265	22.1	17.2	25.8



Sample Results: **BP026081.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026081.D
Acq On : 06 Nov 2025 17:45
Operator : RC/JU
Sample : Q3534-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026081.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.855	317	326	331	rBV	12342431	19885082	100.00%	21.125%
2	5.296	395	401	408	rBV	3409556	4773446	24.01%	5.071%
3	6.849	659	665	674	rBV	1936686	2976072	14.97%	3.162%
4	7.678	798	806	813	rBV	961665	1557990	7.83%	1.655%
5	8.819	992	1000	1009	rBV	3235484	5085393	25.57%	5.402%
6	10.449	1270	1277	1294	rVB	1376759	2157045	10.85%	2.292%
7	12.931	1691	1699	1705	rBV	7634552	11010923	55.37%	11.697%
8	14.319	1929	1935	1947	rVB	1974724	2751816	13.84%	2.923%
9	15.831	2185	2192	2203	rBV	5204682	8634212	43.42%	9.173%
10	16.907	2369	2375	2382	rVB3	141536	213900	1.08%	0.227%
11	17.125	2405	2412	2420	rVB2	2329717	3252226	16.36%	3.455%
12	18.072	2568	2573	2581	rBV3	98173	227016	1.14%	0.241%
13	19.442	2798	2806	2817	rBV	2767161	3975709	19.99%	4.224%
14	19.860	2871	2877	2890	rVB	14215331	18654675	93.81%	19.818%
15	21.572	3161	3168	3178	rBV2	2346404	4209997	21.17%	4.472%
16	24.901	3725	3734	3745	rVB	1642197	4765476	23.97%	5.063%

Sum of corrected areas: 94130978

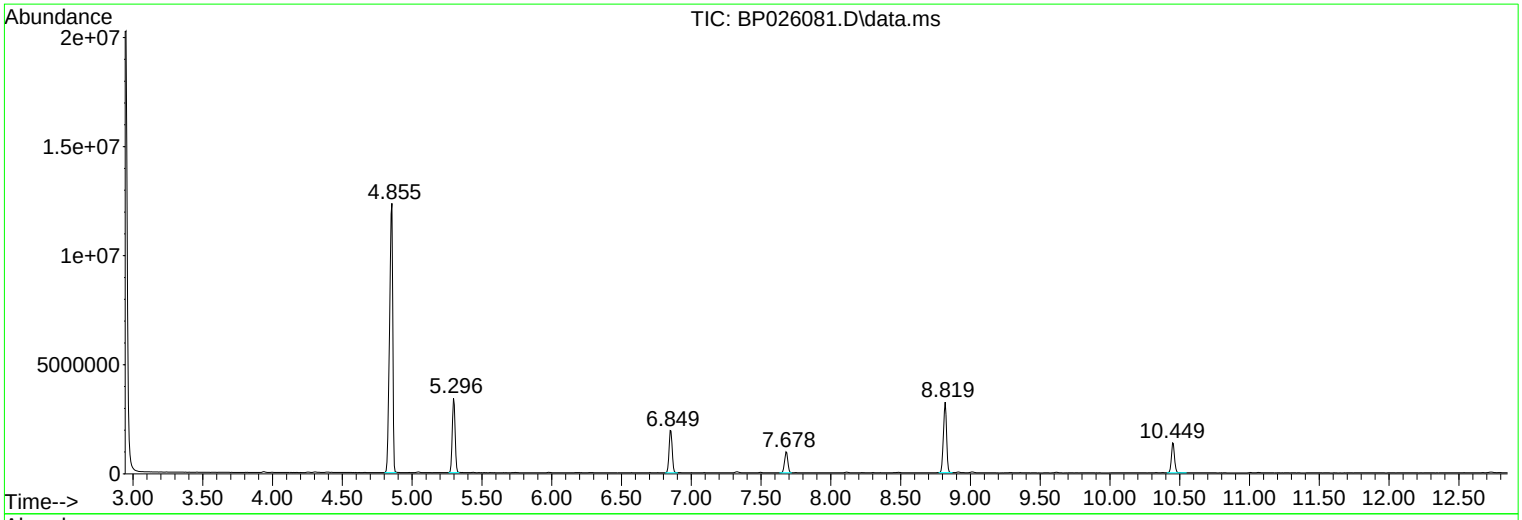
Sample Results: **BP026081.D**

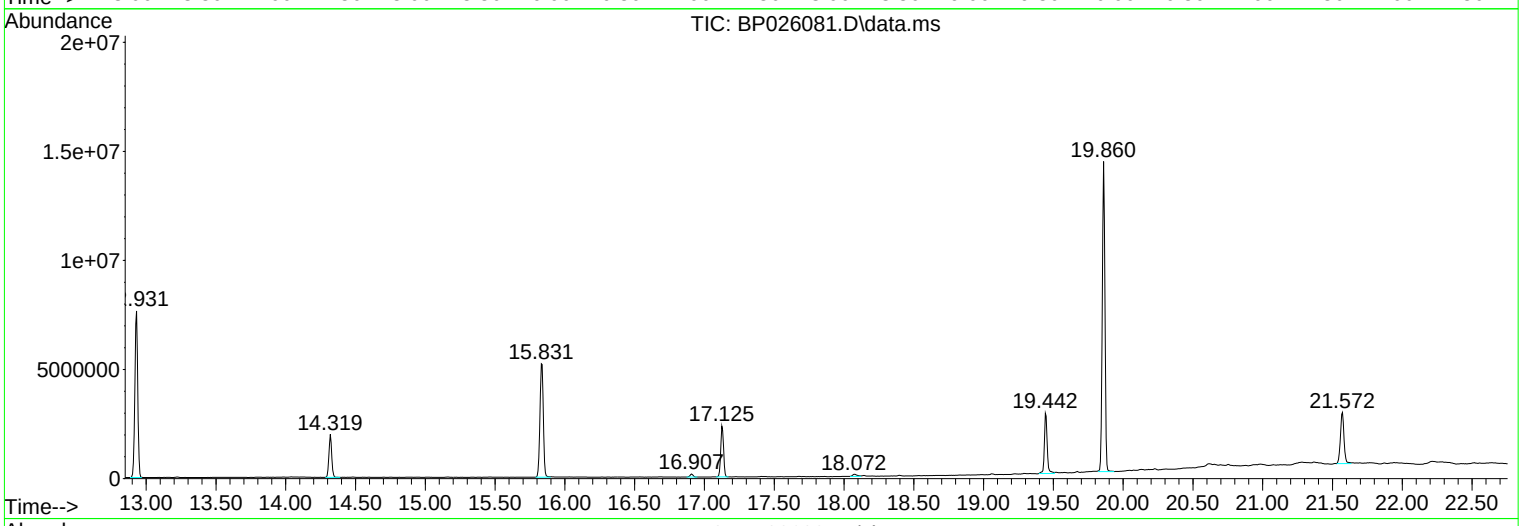
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026081.D
Acq On : 06 Nov 2025 17:45
Operator : RC/JU
Sample : Q3534-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

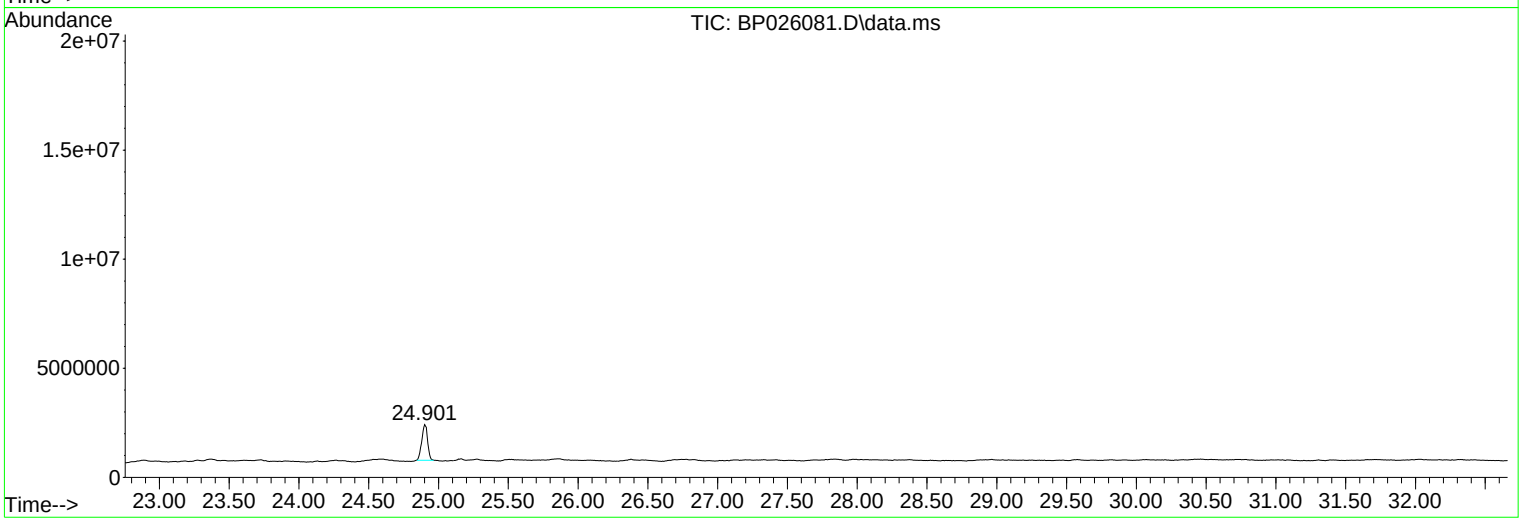
Instrument :
BNA_P
ClientSampleId :
EB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **BP026081.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026081.D
Acq On : 06 Nov 2025 17:45
Operator : RC/JU
Sample : Q3534-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Sample Results: **BP026081.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026081.D
Acq On : 06 Nov 2025 17:45
Operator : RC/JU
Sample : Q3534-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc

CALIBRATION SUMMARY

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3534

Instrument ID: BNA_F Calibration Date(s): 11/05/2025 11/05/2025

Calibration Time(s): 12:50 16:49

LAB FILE ID: RRF2.5 = BF144169.D RRF005 = BF144170.D RRF010 = BF144171.D
RRF020 = BF144172.D RRF040 = BF144173.D RRF050 = BF144174.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.332	1.303	1.316	1.315	1.157	1.278	5.6
Benzaldehyde			1.033	0.917	0.816	0.672	0.818	17.0
Phenol-d6		1.566	1.518	1.511	1.460	1.281	1.448	7.1
Phenol		1.845	1.896	1.840	1.858	1.562	1.769	7.6
bis(2-Chloroethyl)ether		1.278	1.333	1.342	1.316	1.155	1.289	5.2
2-Chlorophenol		1.242	1.309	1.292	1.281	1.152	1.253	4.6
2-Methylphenol		1.031	1.054	1.007	1.033	0.895	0.997	5.4
2,2-oxybis(1-Chloropropane)		2.408	2.470	2.496	2.418	2.147	2.374	5.5
Acetophenone		0.479	0.464	0.434	0.434	0.380	0.429	8.3
3+4-Methylphenols			1.330	1.223	1.215	1.030	1.175	9.2
n-Nitroso-di-n-propylamine	0.998	1.010	1.023	0.996	0.950	0.813	0.953	7.4
Nitrobenzene-d5		0.343	0.352	0.349	0.360	0.321	0.346	4.1
Hexachloroethane		0.512	0.513	0.532	0.532	0.467	0.515	4.9
Nitrobenzene		0.370	0.390	0.376	0.388	0.342	0.376	4.9
Isophorone		0.659	0.668	0.669	0.673	0.581	0.655	5.1
2-Nitrophenol		0.167	0.187	0.191	0.197	0.174	0.186	6.5
2,4-Dimethylphenol		0.281	0.278	0.265	0.298	0.260	0.279	5.1
bis(2-Chloroethoxy)methane		0.426	0.417	0.412	0.423	0.372	0.409	5.0
2,4-Dichlorophenol		0.334	0.342	0.330	0.331	0.289	0.322	6.2
Naphthalene		1.019	1.008	0.982	0.969	0.850	0.951	6.7
4-Chloroaniline		0.358	0.364	0.355	0.362	0.309	0.347	6.1
Hexachlorobutadiene		0.256	0.250	0.252	0.259	0.232	0.249	4.0
Caprolactam			0.094	0.093	0.092	0.075	0.088	8.1
4-Chloro-3-methylphenol		0.283	0.307	0.304	0.297	0.259	0.288	5.8
2-Methylnaphthalene		0.702	0.672	0.665	0.647	0.559	0.636	8.0
Hexachlorocyclopentadiene			0.121	0.142	0.200	0.204	0.195	27.8
2,4,6-Trichlorophenol		0.440	0.449	0.449	0.456	0.409	0.446	5.5
2-Fluorobiphenyl		1.598	1.428	1.361	1.350	1.177	1.354	10.7
2,4,5-Trichlorophenol		0.497	0.489	0.497	0.489	0.438	0.481	5.1
1,1-Biphenyl		1.535	1.446	1.425	1.408	1.239	1.396	7.5
2-Chloronaphthalene		1.303	1.216	1.206	1.204	1.068	1.191	7.1
2-Nitroaniline		0.302	0.347	0.349	0.361	0.326	0.344	6.8
Dimethylphthalate		1.437	1.343	1.359	1.345	1.168	1.325	6.7
Acenaphthylene		1.727	1.686	1.677	1.645	1.440	1.623	6.6

All other compounds must meet a minimum RRF of 0.010.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3534

Instrument ID: BNA_F Calibration Date(s): 11/05/2025 11/05/2025

Calibration Time(s): 12:50 16:49

LAB FILE ID: RRF2.5 = BF144169.D RRF005 = BF144170.D RRF010 = BF144171.D
RRF020 = BF144172.D RRF040 = BF144173.D RRF050 = BF144174.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.251	0.271	0.271	0.276	0.252	0.268	5.2
3-Nitroaniline		0.271	0.301	0.302	0.315	0.264	0.293	7.1
Acenaphthene		1.138	1.162	1.120	1.096	0.956	1.085	6.9
2,4-Dinitrophenol			0.202	0.166	0.140	0.133	0.162	15.0
4-Nitrophenol			0.273	0.202	0.204	0.185	0.212	14.6
Dibenzofuran		1.644	1.600	1.586	1.551	1.337	1.520	8.0
2,4-Dinitrotoluene		0.322	0.377	0.372	0.385	0.328	0.359	7.1
Diethylphthalate		1.294	1.273	1.254	1.254	1.075	1.221	6.3
4-Chlorophenyl-phenylether		0.711	0.701	0.678	0.685	0.570	0.658	7.9
Fluorene		1.295	1.223	1.197	1.180	0.997	1.156	8.9
4-Nitroaniline		0.273	0.290	0.293	0.288	0.254	0.279	5.1
4,6-Dinitro-2-methylphenol			0.147	0.138	0.130	0.120	0.136	7.0
n-Nitrosodiphenylamine		0.695	0.676	0.635	0.646	0.577	0.643	6.1
2,4,6-Tribromophenol		0.242	0.257	0.257	0.265	0.227	0.251	5.3
4-Bromophenyl-phenylether		0.264	0.260	0.255	0.263	0.228	0.255	5.2
Hexachlorobenzene		0.306	0.306	0.305	0.300	0.273	0.301	4.7
Atrazine		0.215	0.211	0.215	0.206	0.180	0.205	6.3
Pentachlorophenol			0.135	0.144	0.156	0.137	0.150	8.8
Phenanthrene		1.103	1.042	0.986	1.009	0.892	0.996	6.9
Anthracene		1.120	1.059	1.027	1.022	0.897	1.013	7.4
Carbazole		0.938	0.917	0.882	0.878	0.762	0.861	7.4
Di-n-butylphthalate		1.075	1.101	1.077	1.070	0.917	1.041	6.3
Fluoranthene		1.117	1.066	1.053	1.054	0.910	1.029	6.8
Pyrene		1.763	1.745	1.631	1.704	1.372	1.613	8.8
Terphenyl-d14		1.403	1.415	1.274	1.317	1.042	1.259	10.7
Butylbenzylphthalate		0.565	0.590	0.550	0.590	0.499	0.559	5.6
3,3-Dichlorobenzidine			0.453	0.461	0.482	0.441	0.475	6.8
Benzo(a)anthracene		1.455	1.340	1.330	1.430	1.290	1.386	5.4
Chrysene		1.276	1.245	1.279	1.403	1.164	1.280	5.7
Bis(2-ethylhexyl)phthalate		0.773	0.739	0.755	0.816	0.705	0.765	4.9
Di-n-octyl phthalate			1.163	1.272	1.410	1.269	1.320	7.9
Benzo(b)fluoranthene		1.199	1.133	1.114	1.233	1.002	1.137	6.4
Benzo(k)fluoranthene		1.077	1.094	1.083	1.041	0.999	1.064	4.4
Benzo(a)pyrene		1.064	1.050	1.058	1.077	0.963	1.049	4.2
Indeno(1,2,3-cd)pyrene		1.450	1.411	1.447	1.485	1.311	1.436	4.6

All other compounds must meet a minimum RRF of 0.010.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3534

Instrument ID: BNA_F Calibration Date(s): 11/05/2025 11/05/2025

Calibration Time(s): 12:50 16:49

LAB FILE ID: RRF2.5 = BF144169.D RRF005 = BF144170.D RRF010 = BF144171.D
RRF020 = BF144172.D RRF040 = BF144173.D RRF050 = BF144174.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.155	1.155	1.175	1.198	1.040	1.153	4.8
Benzo(g,h,i)perylene		1.095	1.125	1.153	1.191	1.028	1.139	5.7
1,2,4,5-Tetrachlorobenzene		0.677	0.662	0.659	0.675	0.588	0.655	6.6
1,4-Dioxane		0.526	0.487	0.518	0.554	0.500	0.528	5.7
2,3,4,6-Tetrachlorophenol		0.308	0.347	0.336	0.358	0.316	0.340	6.6

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF144169.D 5 =BF144170.D 10 =BF144171.D 20 =BF144172.D 40 =BF144173.D 50 =BF144174.D 60 =BF144175.D 80 =BF1441
76.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane	0.526	0.487	0.518	0.554	0.500	0.573	0.540	0.528		5.68
3)		Pyridine	1.374	1.406	1.491	1.520	1.378	1.607	1.543	1.474		6.12
4)		n-Nitrosodimet...		0.719	0.726	0.775	0.723	0.868	0.810	0.770		7.79
5)	S	2-Fluorophenol	1.332	1.303	1.316	1.315	1.157	1.330	1.193	1.278		5.62
6)		Aniline	2.194	2.169	2.114	2.067	1.841	2.139	1.920	2.063		6.46
7)	S	Phenol-d6	1.566	1.518	1.511	1.460	1.281	1.461	1.339	1.448		7.08
8)		2-Chlorophenol	1.242	1.309	1.292	1.281	1.152	1.293	1.204	1.253		4.59
9)		Benzaldehyde		1.033	0.917	0.816	0.672	0.786	0.683	0.818		16.99
10)	C	Phenol	1.845	1.896	1.840	1.858	1.562	1.790	1.594	1.769		7.60
11)		bis(2-Chloroet...	1.278	1.333	1.342	1.316	1.155	1.341	1.259	1.289		5.22
12)		1,3-Dichlorobe...	1.677	1.573	1.583	1.541	1.397	1.586	1.468	1.547		5.86
13)	C	1,4-Dichlorobe...	1.669	1.563	1.583	1.591	1.372	1.604	1.464	1.549		6.40
14)		1,2-Dichlorobe...	1.651	1.510	1.488	1.485	1.325	1.533	1.404	1.485		6.88
15)		Benzyl Alcohol		1.140	1.188	1.161	1.050	1.197	1.145	1.147		4.61
16)		2,2'-oxybis(1-...	2.408	2.470	2.496	2.418	2.147	2.442	2.238	2.374		5.50
17)		2-Methylphenol	1.031	1.054	1.007	1.033	0.895	1.002	0.958	0.997		5.44
18)		Hexachloroethane	0.512	0.513	0.532	0.532	0.467	0.543	0.504	0.515		4.90
19)	P	n-Nitroso-di-n...	0.998	1.010	1.023	0.996	0.950	0.813	0.937	0.900	0.953	7.38
20)		3+4-Methylphenols		1.330	1.223	1.215	1.030	1.175	1.080	1.175		9.16
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone	0.479	0.464	0.434	0.434	0.380	0.421	0.391	0.429		8.34
23)	S	Nitrobenzene-d5	0.343	0.352	0.349	0.360	0.321	0.361	0.338	0.346		4.07
24)		Nitrobenzene	0.370	0.390	0.376	0.388	0.342	0.398	0.368	0.376		4.90
25)		Isophorone	0.659	0.668	0.669	0.673	0.581	0.675	0.659	0.655		5.05
26)	C	2-Nitrophenol	0.167	0.187	0.191	0.197	0.174	0.200	0.186	0.186		6.47
27)		2,4-Dimethylph...	0.281	0.278	0.265	0.298	0.260	0.295	0.275	0.279		5.08
28)		bis(2-Chloroet...	0.426	0.417	0.412	0.423	0.372	0.423	0.390	0.409		5.02
29)	C	2,4-Dichloroph...	0.334	0.342	0.330	0.331	0.289	0.326	0.297	0.322		6.20
30)		1,2,4-Trichlor...	0.350	0.349	0.332	0.337	0.296	0.335	0.312	0.330		5.96
31)		Naphthalene	1.019	1.008	0.982	0.969	0.850	0.952	0.880	0.951		6.71
32)		Benzoic acid		0.268	0.220	0.180	0.165	0.190	0.204	0.204		17.90
33)		4-Chloroaniline	0.358	0.364	0.355	0.362	0.309	0.355	0.326	0.347		6.07
34)	C	Hexachlorobuta...	0.256	0.250	0.252	0.259	0.232	0.254	0.238	0.249		4.03
35)		Caprolactam		0.094	0.093	0.092	0.075	0.087	0.088	0.088		8.10
36)	C	4-Chloro-3-met...	0.283	0.307	0.304	0.297	0.259	0.290	0.277	0.288		5.77
37)		2-Methylnaphth...	0.702	0.672	0.665	0.647	0.559	0.623	0.583	0.636		7.98
38)		1-Methylnaphth...	0.667	0.681	0.632	0.620	0.536	0.600	0.561	0.614		8.61

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.677	0.662	0.659	0.675	0.588	0.716	0.611	0.655	6.57
41)	P	Hexachlorocycl...		0.121	0.142	0.200	0.204	0.253	0.248	0.195	27.78
42)	S	2,4,6-Tribromo...	0.242	0.257	0.257	0.265	0.227	0.261	0.249	0.251	5.27
43)	C	2,4,6-Trichlor...	0.440	0.449	0.449	0.456	0.409	0.489	0.431	0.446	5.49
44)		2,4,5-Trichlor...	0.497	0.489	0.497	0.489	0.438	0.502	0.456	0.481	5.05
45)	S	2-Fluorobiphenyl	1.598	1.428	1.361	1.350	1.177	1.381	1.183	1.354	10.72
46)		1,1'-Biphenyl	1.535	1.446	1.425	1.408	1.239	1.450	1.270	1.396	7.52
47)		2-Chloronaphth...	1.303	1.216	1.206	1.204	1.068	1.252	1.087	1.191	7.12
48)		2-Nitroaniline	0.302	0.347	0.349	0.361	0.326	0.374	0.345	0.344	6.84
49)		Acenaphthylene	1.727	1.686	1.677	1.645	1.440	1.678	1.506	1.623	6.57
50)		Dimethylphthalate	1.437	1.343	1.359	1.345	1.168	1.375	1.247	1.325	6.71
51)		2,6-Dinitrotol...	0.251	0.271	0.271	0.276	0.252	0.290	0.266	0.268	5.16
52)	C	Acenaphthene	1.138	1.162	1.120	1.096	0.956	1.117	1.007	1.085	6.90
53)		3-Nitroaniline	0.271	0.301	0.302	0.315	0.264	0.316	0.283	0.293	7.07
54)	P	2,4-Dinitrophenol		0.202	0.166	0.140	0.133	0.168	0.164	0.162	14.99
55)		Dibenzofuran	1.644	1.600	1.586	1.551	1.337	1.562	1.359	1.520	7.99
56)	P	4-Nitrophenol		0.273	0.202	0.204	0.185	0.211	0.198	0.212	14.64
57)		2,4-Dinitrotol...	0.322	0.377	0.372	0.385	0.328	0.377	0.353	0.359	7.07
58)		Fluorene	1.295	1.223	1.197	1.180	0.997	1.149	1.048	1.156	8.88
59)		2,3,4,6-Tetrac...	0.308	0.347	0.336	0.358	0.316	0.372	0.345	0.340	6.58
60)		Diethylphthalate	1.294	1.273	1.254	1.254	1.075	1.237	1.163	1.221	6.27
61)		4-Chlorophenyl...	0.711	0.701	0.678	0.685	0.570	0.659	0.605	0.658	7.92
62)		4-Nitroaniline	0.273	0.290	0.293	0.288	0.254	0.288	0.268	0.279	5.10
63)		Azobenzene	1.157	1.203	1.145	1.164	0.995	1.197	1.096	1.137	6.33
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.147	0.138	0.130	0.120	0.142	0.138	0.136	6.99
66)	c	n-Nitrosodiphe...	0.695	0.676	0.635	0.646	0.577	0.660	0.614	0.643	6.12
67)		4-Bromophenyl-...	0.264	0.260	0.255	0.263	0.228	0.266	0.252	0.255	5.18
68)		Hexachlorobenzene	0.306	0.306	0.305	0.300	0.273	0.319	0.296	0.301	4.74
69)		Atrazine	0.215	0.211	0.215	0.206	0.180	0.210	0.196	0.205	6.26
70)	C	Pentachlorophenol		0.135	0.144	0.156	0.137	0.162	0.165	0.150	8.76
71)		Phenanthrene	1.103	1.042	0.986	1.009	0.892	1.003	0.937	0.996	6.87
72)		Anthracene	1.120	1.059	1.027	1.022	0.897	1.027	0.936	1.013	7.37
73)		Carbazole	0.938	0.917	0.882	0.878	0.762	0.854	0.794	0.861	7.36
74)		Di-n-butylphth...	1.075	1.101	1.077	1.070	0.917	1.059	0.986	1.041	6.27
75)	C	Fluoranthene	1.117	1.066	1.053	1.054	0.910	1.043	0.958	1.029	6.84
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.707	0.519	0.624	0.512	0.635	0.553	0.592	12.98
78)		Pyrene	1.763	1.745	1.631	1.704	1.372	1.569	1.504	1.613	8.79
79)	S	Terphenyl-d14	1.403	1.415	1.274	1.317	1.042	1.208	1.155	1.259	10.71
80)		Butylbenzylpht...	0.565	0.590	0.550	0.590	0.499	0.570	0.549	0.559	5.60
81)		Benzo(a)anthra...	1.455	1.340	1.330	1.430	1.290	1.493	1.366	1.386	5.37
82)		3,3'-Dichlorob...		0.453	0.461	0.482	0.441	0.532	0.481	0.475	6.77
83)		Chrysene	1.276	1.245	1.279	1.403	1.164	1.326	1.263	1.280	5.72
84)		Bis(2-ethylhex...	0.773	0.739	0.755	0.816	0.705	0.803	0.764	0.765	4.92
85)	c	Di-n-octyl pht...		1.163	1.272	1.410	1.269	1.442	1.364	1.320	7.91

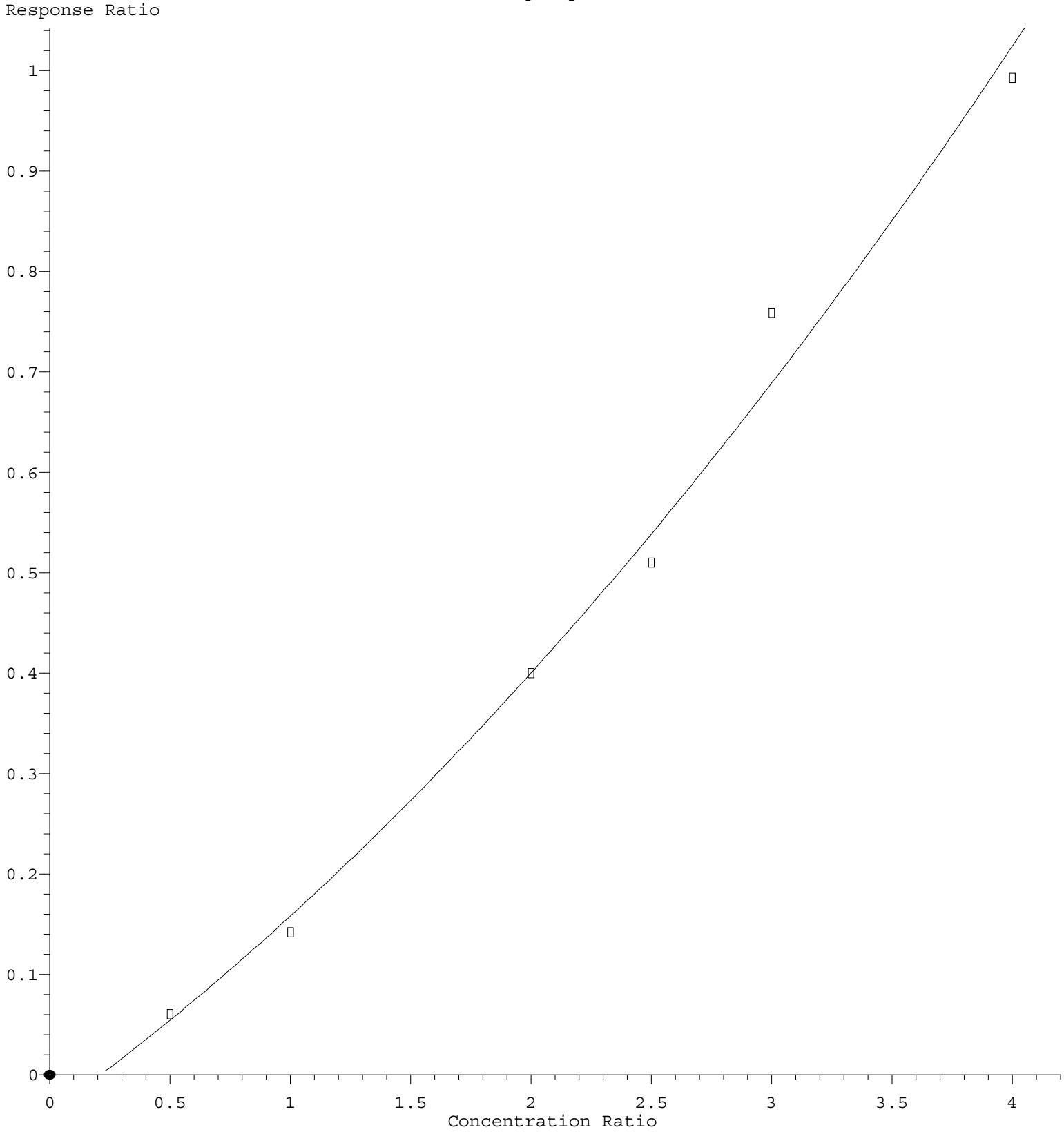
Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

86) I	Perylene-d12	----------ISTD----------								
87)	Indeno(1,2,3-c...	1.450	1.411	1.447	1.485	1.311	1.521	1.425	1.436	4.62
88)	Benzo(b)fluora...	1.199	1.133	1.114	1.233	1.002	1.134	1.143	1.137	6.40
89)	Benzo(k)fluora...	1.077	1.094	1.083	1.041	0.999	1.134	1.021	1.064	4.36
90) C	Benzo(a)pyrene	1.064	1.050	1.058	1.077	0.963	1.103	1.029	1.049	4.23
91)	Dibenzo(a,h)an...	1.155	1.155	1.175	1.198	1.040	1.209	1.138	1.153	4.85
92)	Benzo(g,h,i)pe...	1.095	1.125	1.153	1.191	1.028	1.228	1.150	1.139	5.70

(#) = Out of Range

Hexachlorocyclopentadiene



R = 2.331e-002 A*A + 1.722e-001 A - 3.751e-002
Coef of Det (r^2) = 0.992660 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110525.M
Calibration Table Last Updated: Wed Nov 05 18:37:33 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144169.D
Acq On : 05 Nov 2025 12:50
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 05 17:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85230	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	335743	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	195513	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	365872	20.000	ng	0.00
76) Chrysene-d12	14.057	240	241412	20.000	ng	0.00
86) Perylene-d12	15.539	264	241479	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.275	70	10629	2.616	ng	# 98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

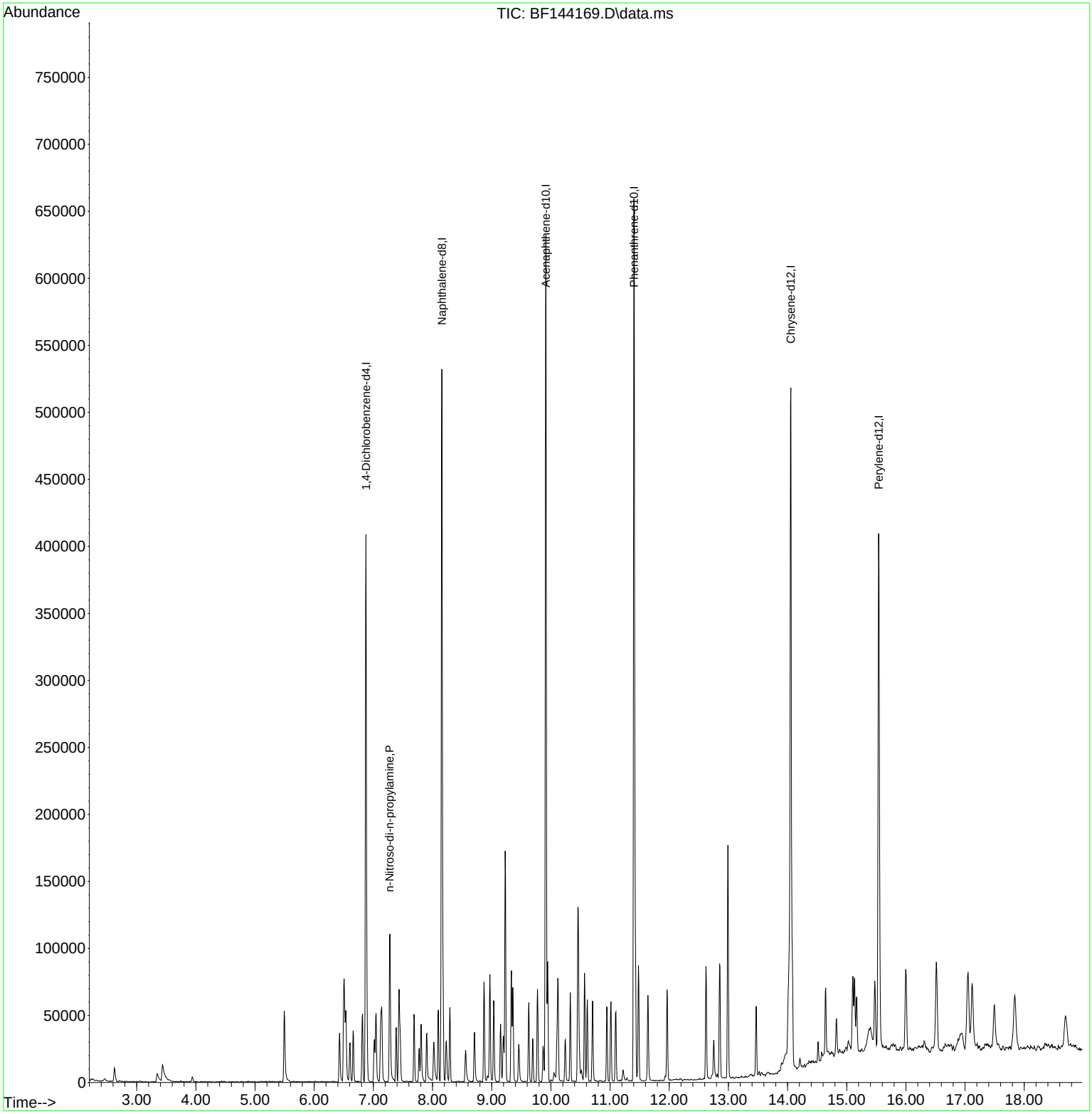
Quantitation Report (QT Reviewed)

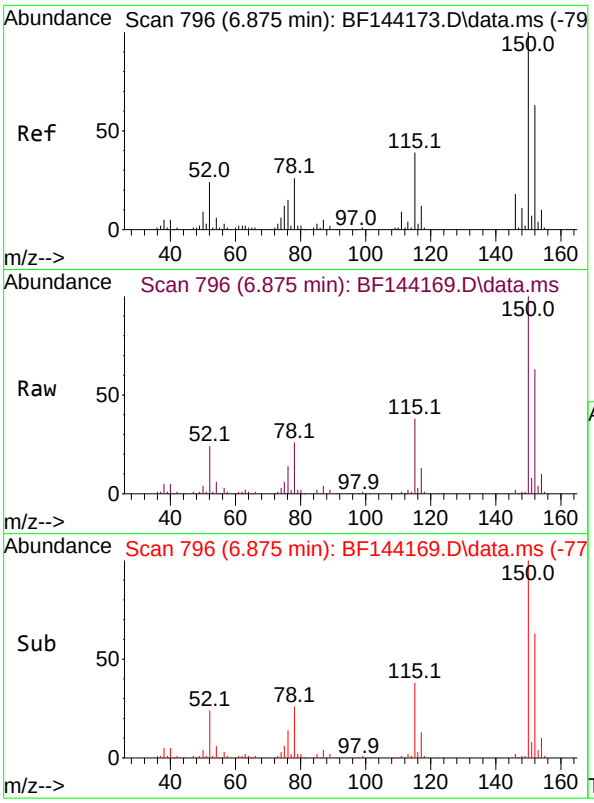
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144169.D
Acq On : 05 Nov 2025 12:50
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 05 17:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



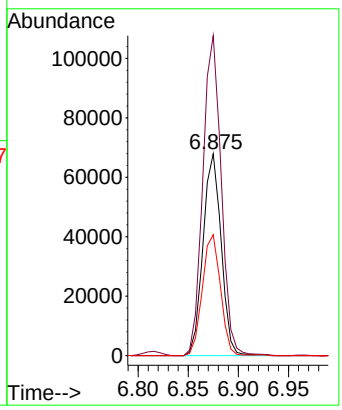


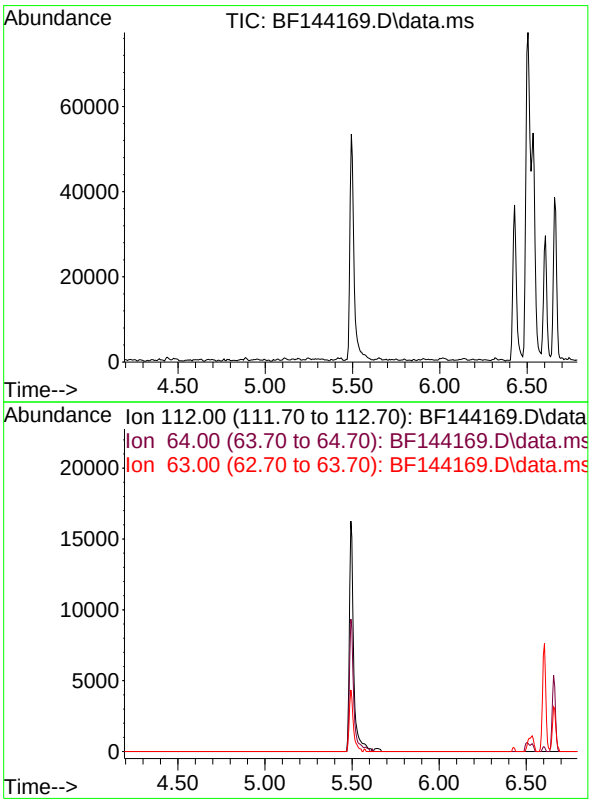
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 85230

Ion	Ratio	Lower	Upper
152	100		
150	158.5	127.4	191.0
115	59.9	49.5	74.3



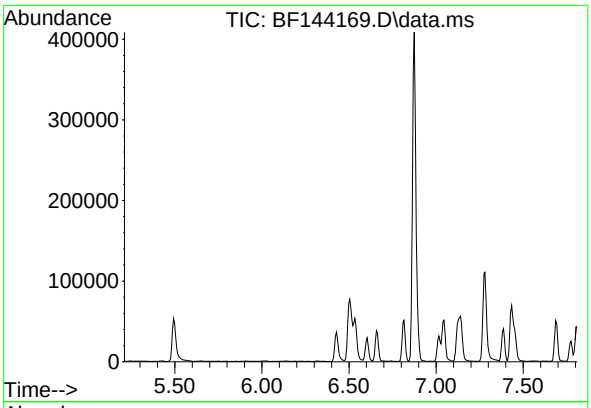


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.0
63	30.5



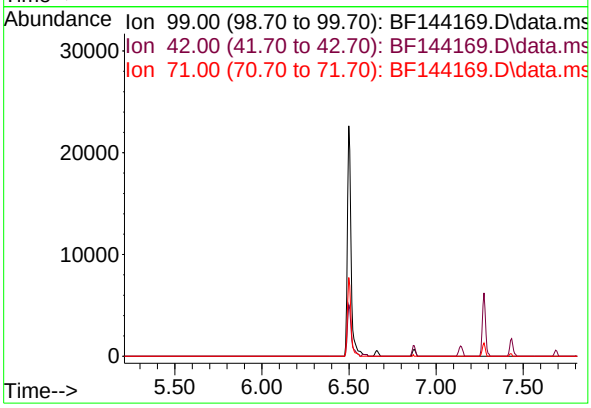
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.51 min

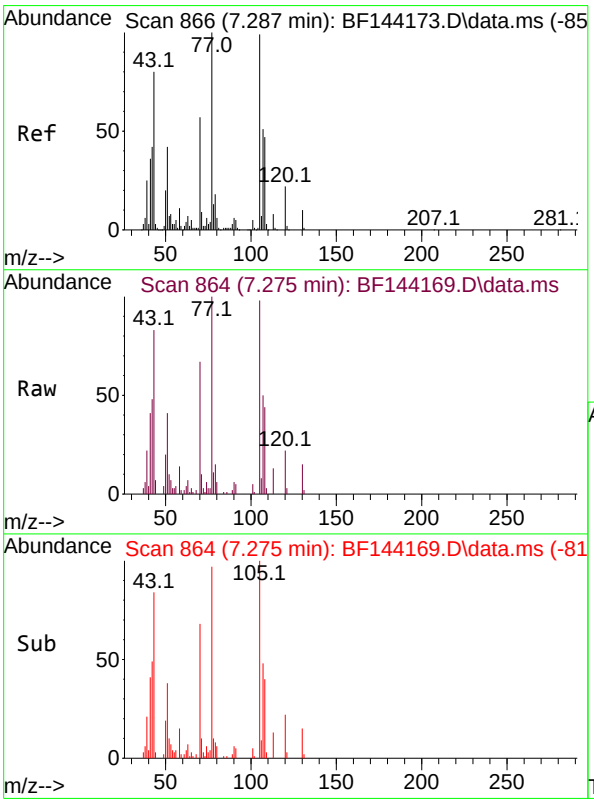
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	26.1
71	39.3

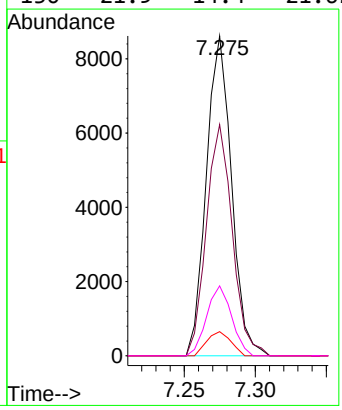


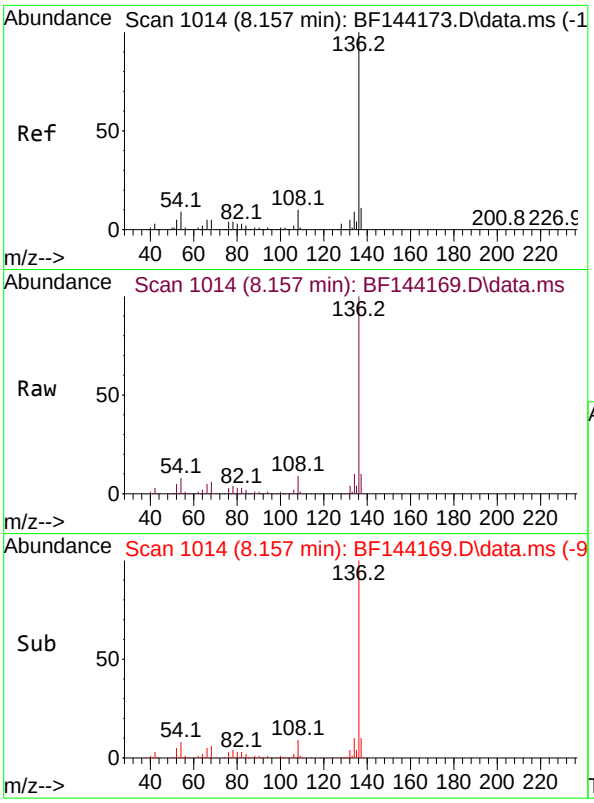


#19
n-Nitroso-di-n-propylamine
Concen: 2.616 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.023 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion: 70 Resp: 10629

Ion	Ratio	Lower	Upper
70	100		
42	72.3	58.3	87.5
101	7.6	7.0	10.6
130	21.9	14.4	21.6#



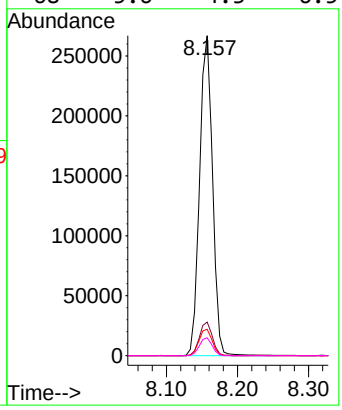


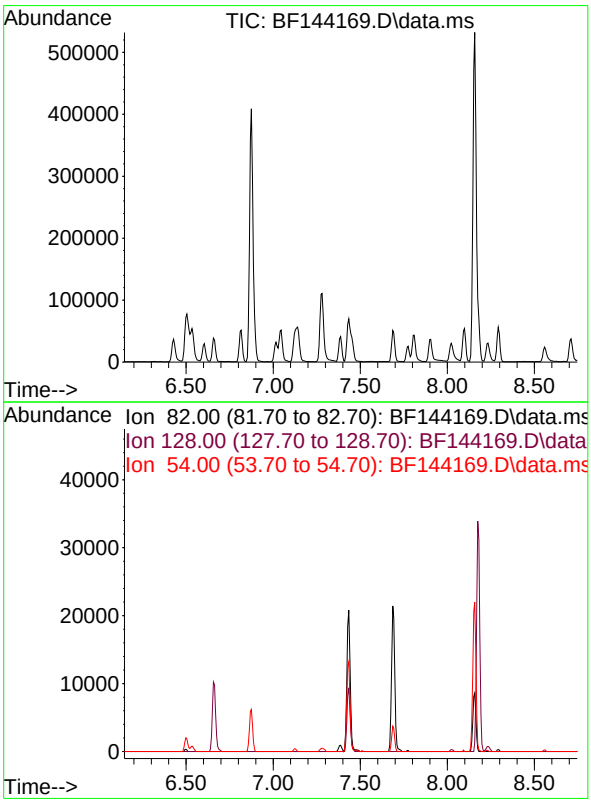
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 335743

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.2	7.0	10.6
68	5.6	4.3	6.5



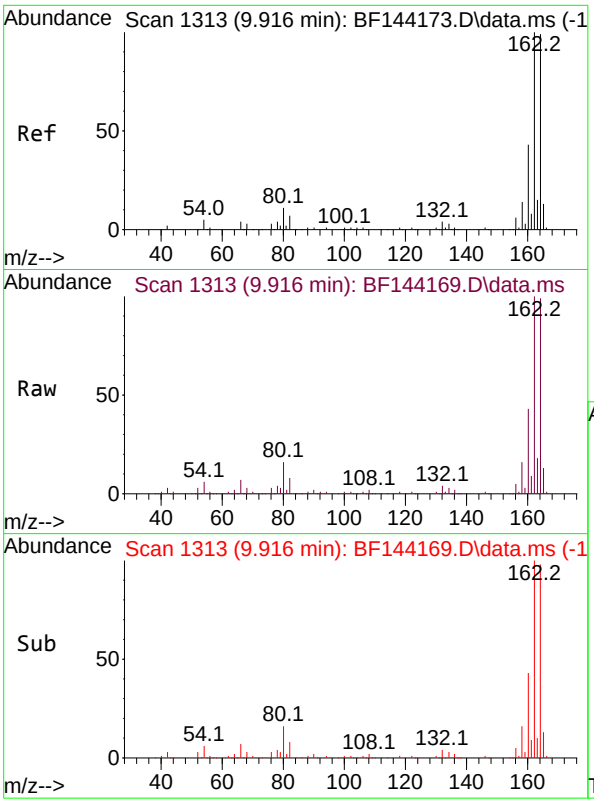


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	43.4
54	61.9

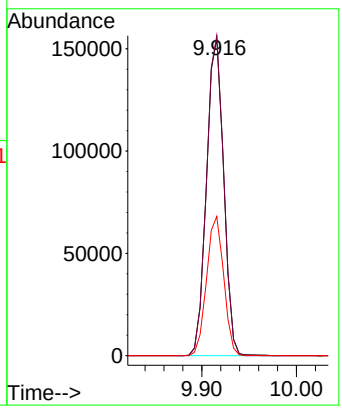


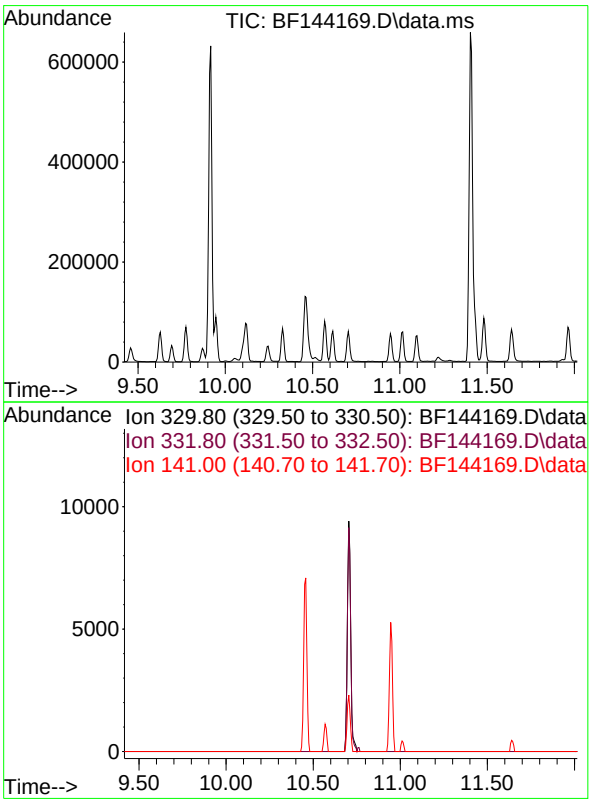
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 195513

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.1	121.7
160	43.9	34.5	51.7



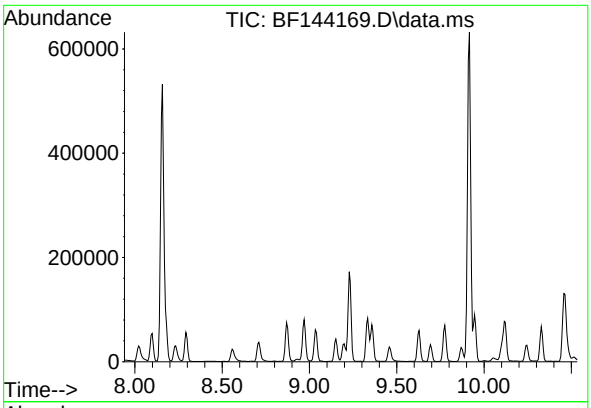


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.9
141	22.3



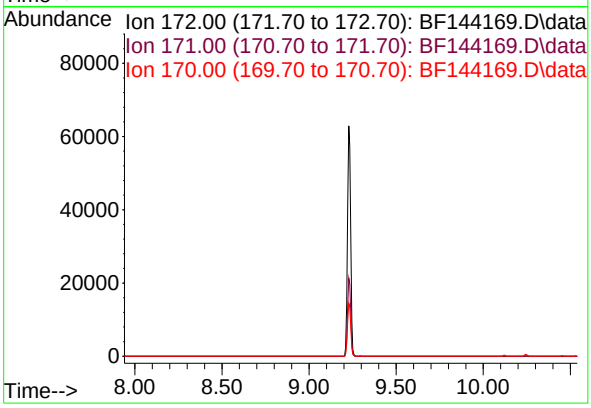
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.24 min

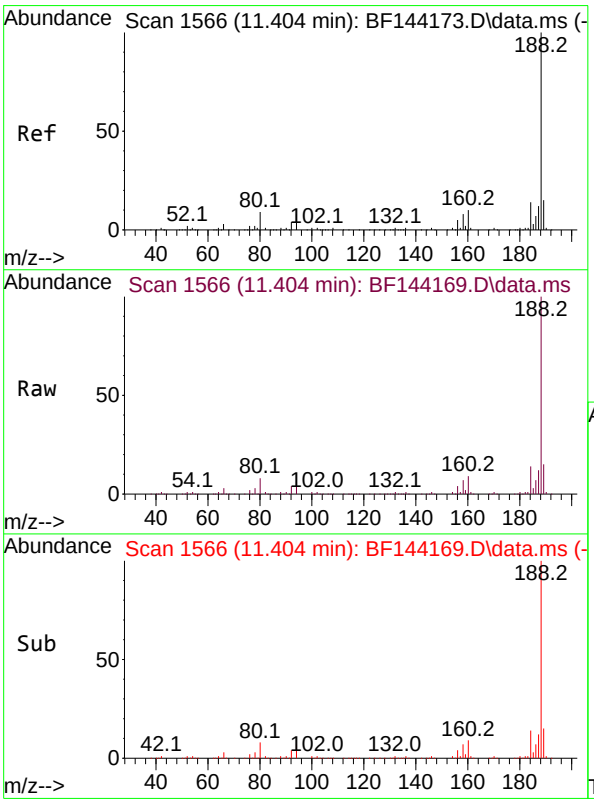
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.1
170	23.3

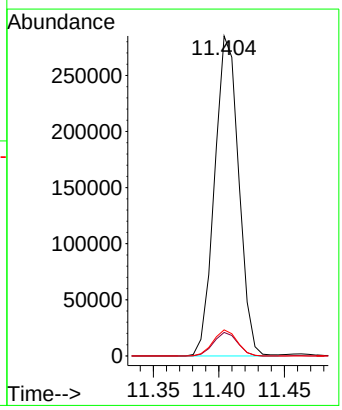


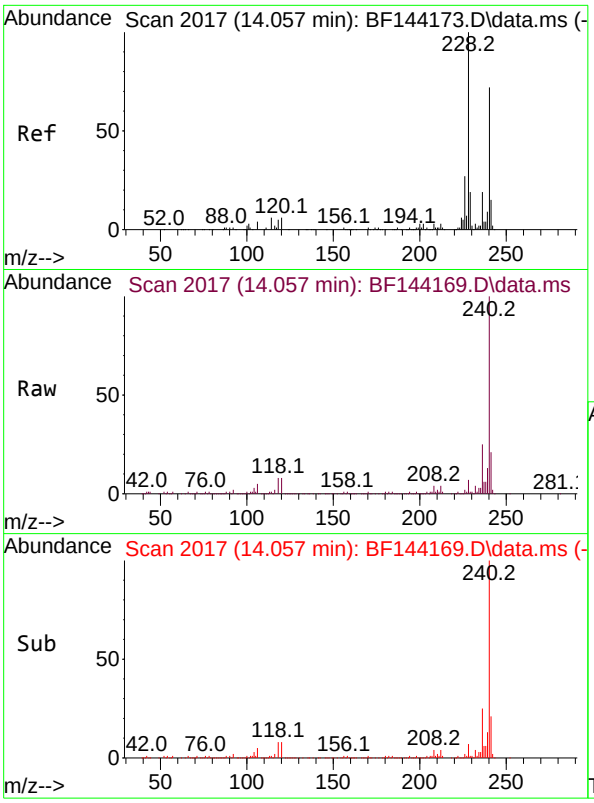


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion:188 Resp: 365872

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	8.2	6.9	10.3



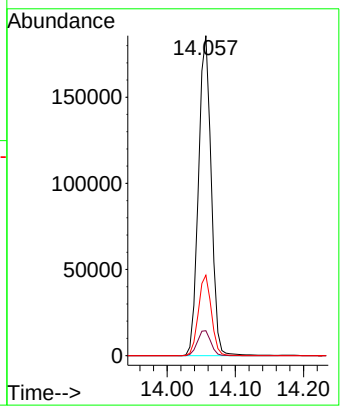


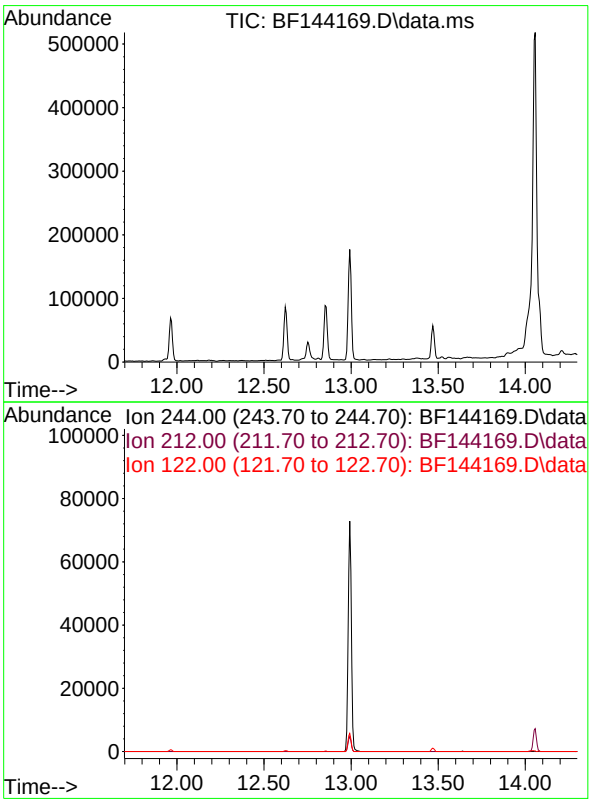
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 241412

Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.6	10.0
236	25.1	21.4	32.2



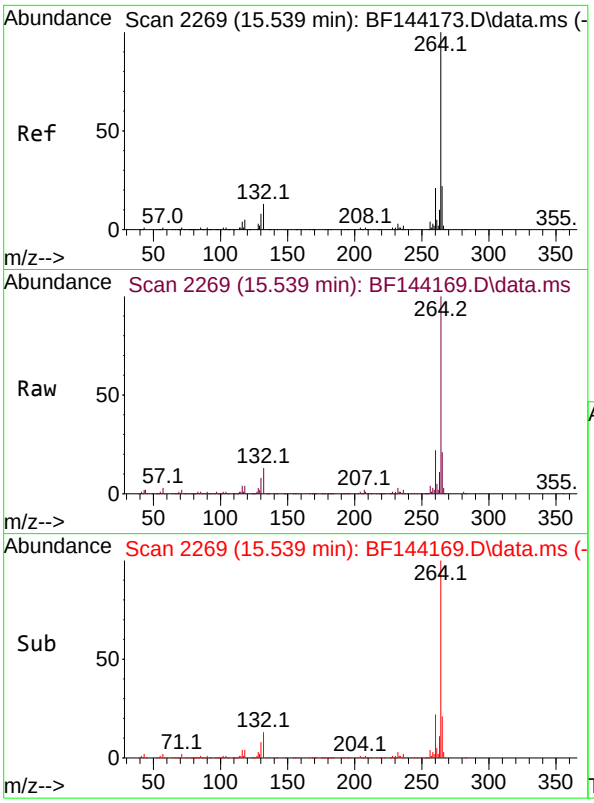


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.6
122	7.0

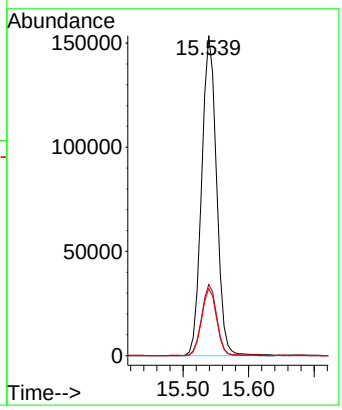


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 241479

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.1	25.7
265	20.9	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144170.D
Acq On : 05 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 17:23:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85379	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	330889	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	188001	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	326565	20.000	ng	0.00
76) Chrysene-d12	14.051	240	215706	20.000	ng	-0.01
86) Perylene-d12	15.539	264	241361	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	56869	10.423	ng	0.00
7) Phenol-d6	6.498	99	66870	10.817	ng	-0.01
23) Nitrobenzene-d5	7.434	82	56744	9.904	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	22758	9.647	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	150248	11.803	ng	-0.01
79) Terphenyl-d14	12.992	244	151347	11.145	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	11227	4.977	ng	98
3) Pyridine	3.410	79	29321	4.659	ng	98
6) Aniline	6.534	93	46833	5.317	ng	97
8) 2-Chlorophenol	6.657	128	26502	4.953	ng	98
10) Phenol	6.510	94	39383	5.214	ng	97
11) bis(2-Chloroethyl)ether	6.604	93	27288	4.958	ng	99
12) 1,3-Dichlorobenzene	6.816	146	35799	5.422	ng	97
13) 1,4-Dichlorobenzene	6.893	146	35623	5.385	ng	99
14) 1,2-Dichlorobenzene	7.046	146	35243	5.559	ng	92
16) 2,2'-oxybis(1-Chloropr...	7.140	45	51408	5.072	ng	92
17) 2-Methylphenol	7.122	107	21999	5.168	ng	94
18) Hexachloroethane	7.387	117	10929	4.973	ng	92
19) n-Nitroso-di-n-propyla...	7.275	70	21555	5.296	ng	99
22) Acetophenone	7.281	105	39609	5.580	ng	97
24) Nitrobenzene	7.451	77	30574	4.915	ng	98
25) Isophorone	7.687	82	54487	5.028	ng	97
26) 2-Nitrophenol	7.775	139	13789	4.478	ng	97
27) 2,4-Dimethylphenol	7.804	122	23283	5.045	ng	96
28) bis(2-Chloroethoxy)met...	7.898	93	35235	5.207	ng	97
29) 2,4-Dichlorophenol	8.016	162	27603	5.189	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	28937	5.298	ng	91
31) Naphthalene	8.175	128	84320	5.357	ng	100
33) 4-Chloroaniline	8.228	127	29602	5.157	ng	99
34) Hexachlorobutadiene	8.292	225	21207	5.152	ng	97
36) 4-Chloro-3-methylphenol	8.704	107	23428	4.914	ng	95
37) 2-Methylnaphthalene	8.869	142	58087	5.520	ng	99
38) 1-Methylnaphthalene	8.969	142	55152	5.431	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	31823	5.165	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	20685	4.933	ng	99
44) 2,4,5-Trichlorophenol	9.192	196	23346	5.165	ng	99
46) 1,1'-Biphenyl	9.334	154	72127	5.496	ng	98
47) 2-Chloronaphthalene	9.357	162	61232	5.470	ng	98
48) 2-Nitroaniline	9.457	65	14208	4.399	ng	90
49) Acenaphthylene	9.775	152	81168	5.321	ng	100
50) Dimethylphthalate	9.628	163	67538	5.423	ng	97
51) 2,6-Dinitrotoluene	9.692	165	11809	4.684	ng	94

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144170.D
Acq On : 05 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Quant Time: Nov 05 17:23:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Acenaphthene	9.945	154	53468	5.241 ng		96
53) 3-Nitroaniline	9.869	138	12750	4.626 ng		88
55) Dibenzofuran	10.116	168	77278	5.409 ng		98
57) 2,4-Dinitrotoluene	10.098	165	15136	4.485 ng	#	93
58) Fluorene	10.463	166	60881	5.605 ng		94
59) 2,3,4,6-Tetrachlorophenol	10.239	232	14470	4.525 ng		96
60) Diethylphthalate	10.328	149	60815	5.297 ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	33416	5.401 ng		97
62) 4-Nitroaniline	10.475	138	12847	4.895 ng		91
63) Azobenzene	10.616	77	54383	5.089 ng		93
66) n-Nitrosodiphenylamine	10.569	169	56733	5.401 ng		97
67) 4-Bromophenyl-phenylether	10.945	248	21547	5.169 ng		96
68) Hexachlorobenzene	11.010	284	24951	5.082 ng		99
69) Atrazine	11.098	200	17546	5.253 ng		93
71) Phenanthrene	11.428	178	90035	5.537 ng		99
72) Anthracene	11.481	178	91416	5.529 ng		99
73) Carbazole	11.639	167	76605	5.449 ng		97
74) Di-n-butylphthalate	11.963	149	87751	5.163 ng		100
75) Fluoranthene	12.622	202	91198	5.430 ng		97
78) Pyrene	12.851	202	95053	5.465 ng		98
80) Butylbenzylphthalate	13.469	149	30478	5.056 ng		92
81) Benzo(a)anthracene	14.045	228	78472	5.249 ng		96
83) Chrysene	14.080	228	68808	4.986 ng		99
84) Bis(2-ethylhexyl)phtha...	14.027	149	41706	5.054 ng		99
87) Indeno(1,2,3-cd)pyrene	17.033	276	87482	5.049 ng		98
88) Benzo(b)fluoranthene	15.098	252	72360m	5.273 ng		
89) Benzo(k)fluoranthene	15.127	252	64984	5.060 ng		99
90) Benzo(a)pyrene	15.474	252	64190	5.071 ng	#	97
91) Dibenzo(a,h)anthracene	17.051	278	69714	5.010 ng		98
92) Benzo(g,h,i)perylene	17.492	276	66099	4.810 ng		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

ICAL Form

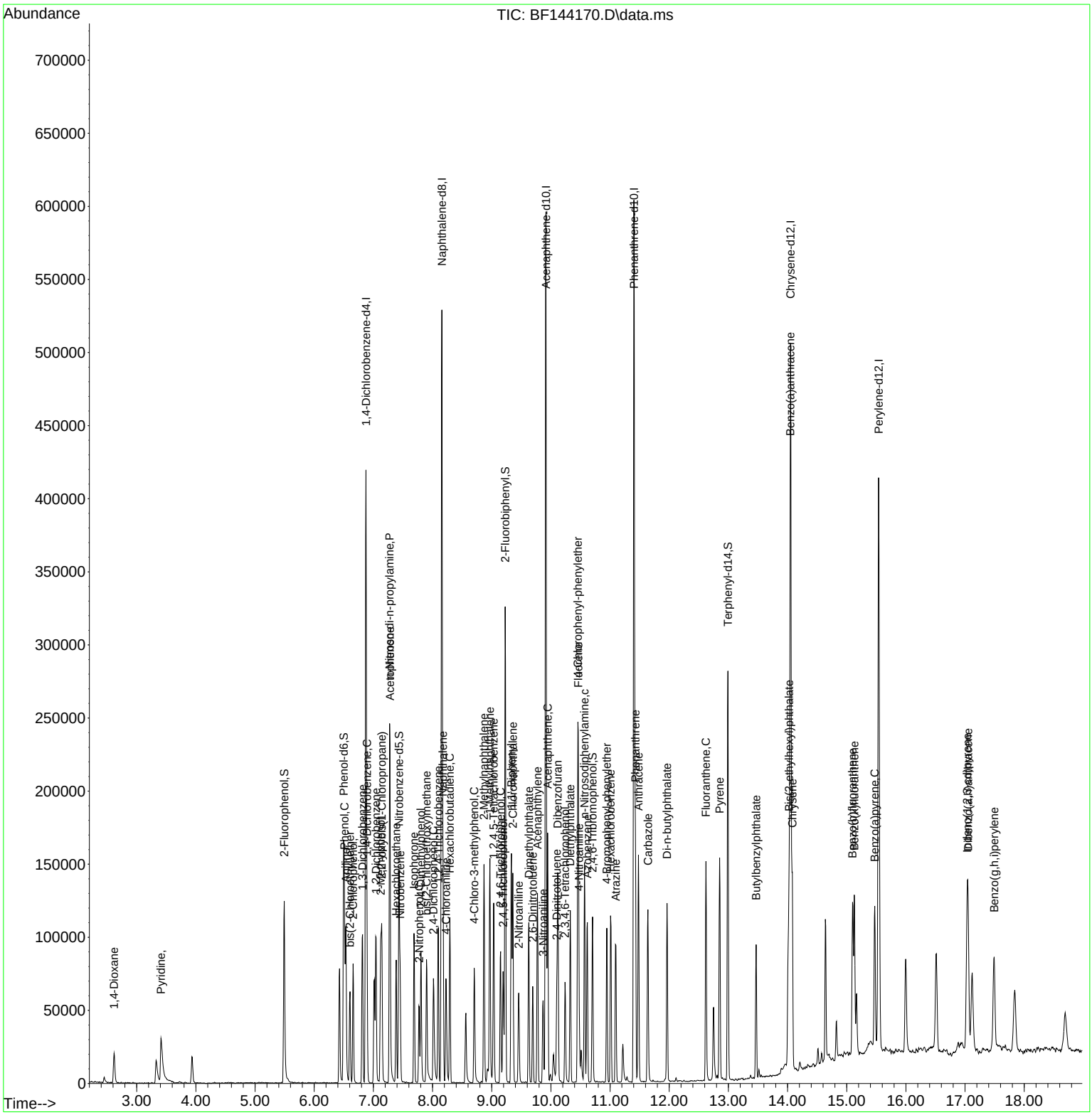
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144170.D
Acq On : 05 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

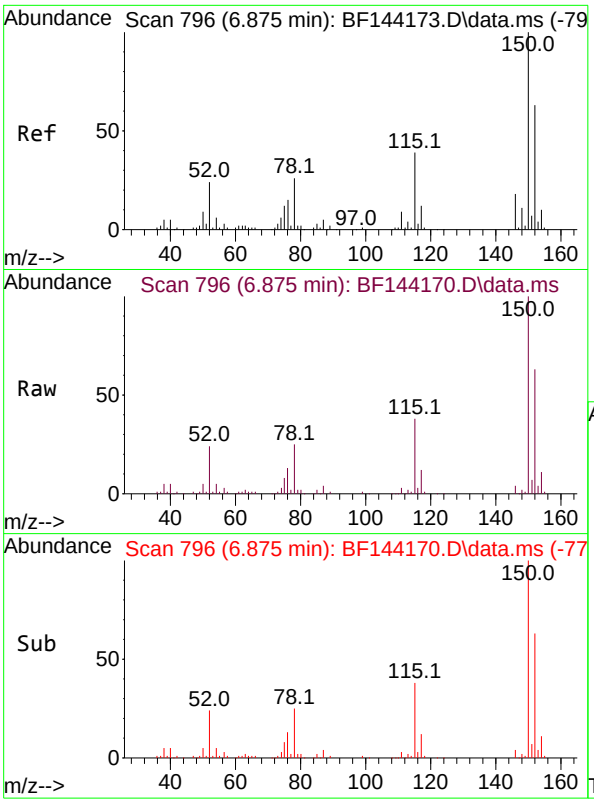
Quant Time: Nov 05 17:23:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

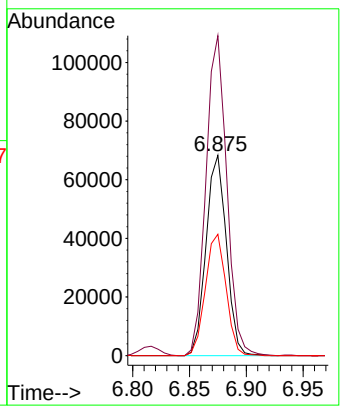
Tgt Ion:152 Resp: 85379

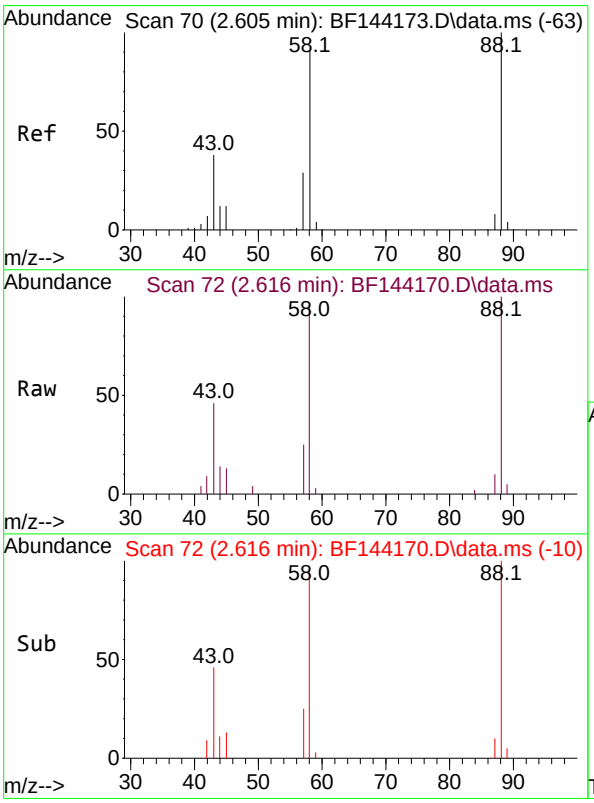
Ion	Ratio	Lower	Upper
152	100		
150	159.8	127.4	191.0
115	60.6	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

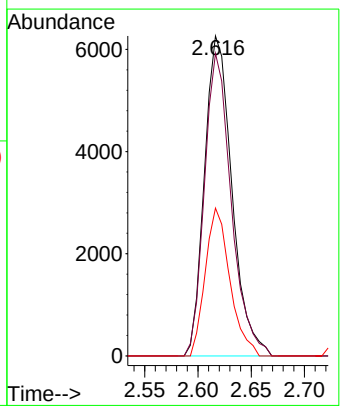


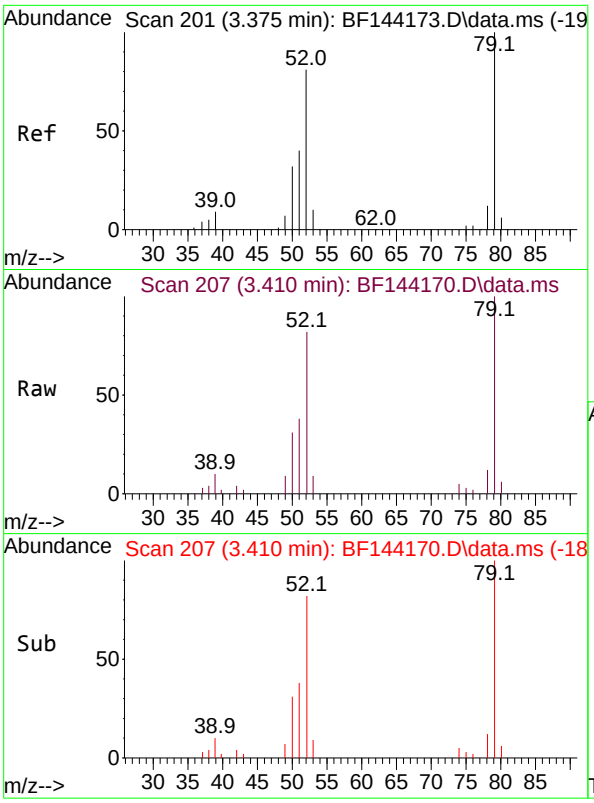


#2
1,4-Dioxane
Concen: 4.977 ng
RT: 2.616 min Scan# 72
Delta R.T. 0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 88 Resp: 11227

Ion	Ratio	Lower	Upper
88	100		
58	92.4	73.1	109.7
43	41.5	31.0	46.6





#3
Pyridine
Concen: 4.659 ng
RT: 3.410 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

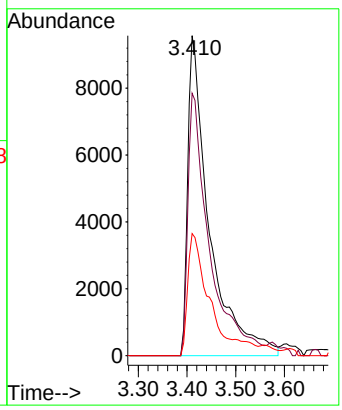
Tgt Ion: 79 Resp: 2932

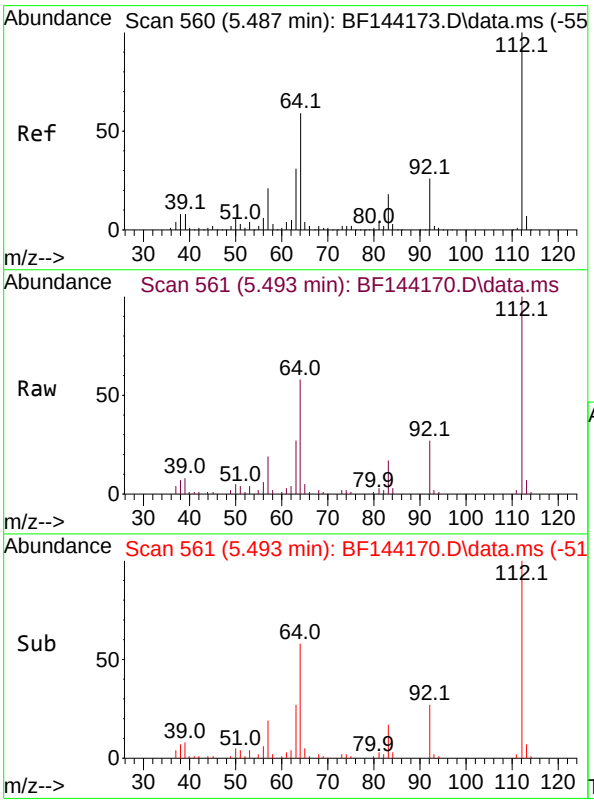
Ion	Ratio	Lower	Upper
79	100		
52	82.0	64.5	96.7
51	38.1	31.7	47.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

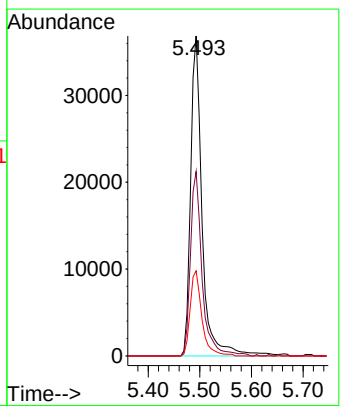


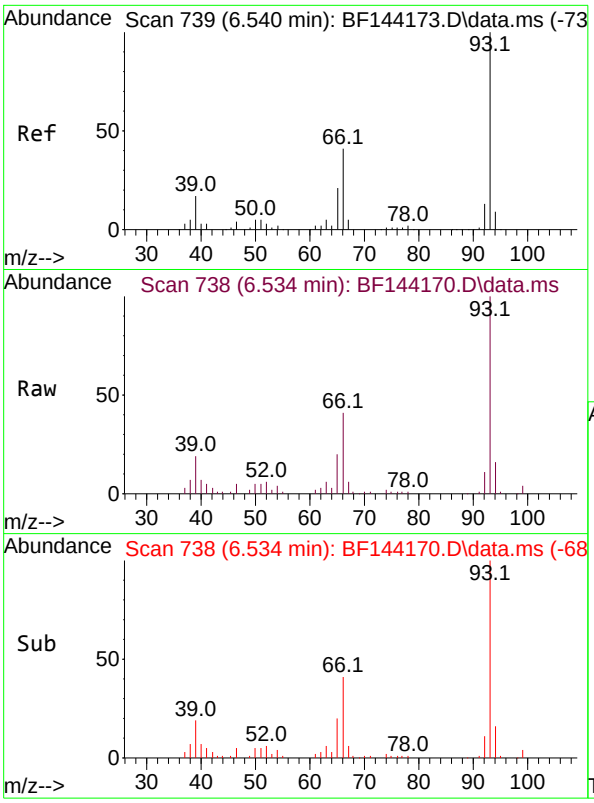


#5
2-Fluorophenol
Concen: 10.423 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:112 Resp: 56869

Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.2	70.8
63	26.6	24.4	36.6





#6
Aniline
Concen: 5.317 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 93 Resp: 4683

Ion	Ratio	Lower	Upper
93	100		
66	40.7	34.3	51.5
65	19.9	16.9	25.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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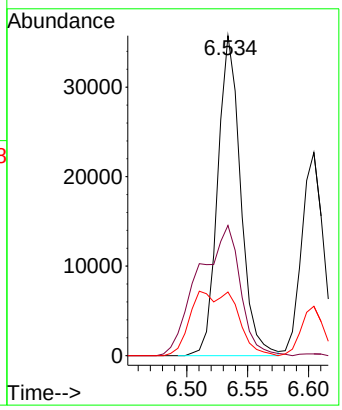
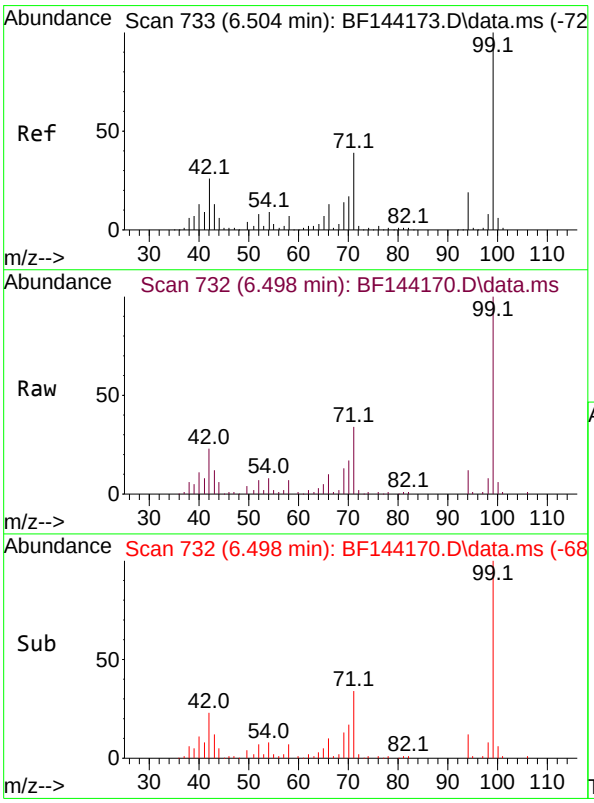
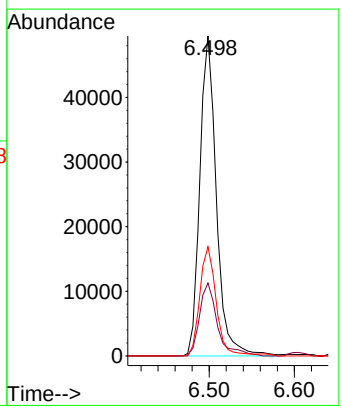


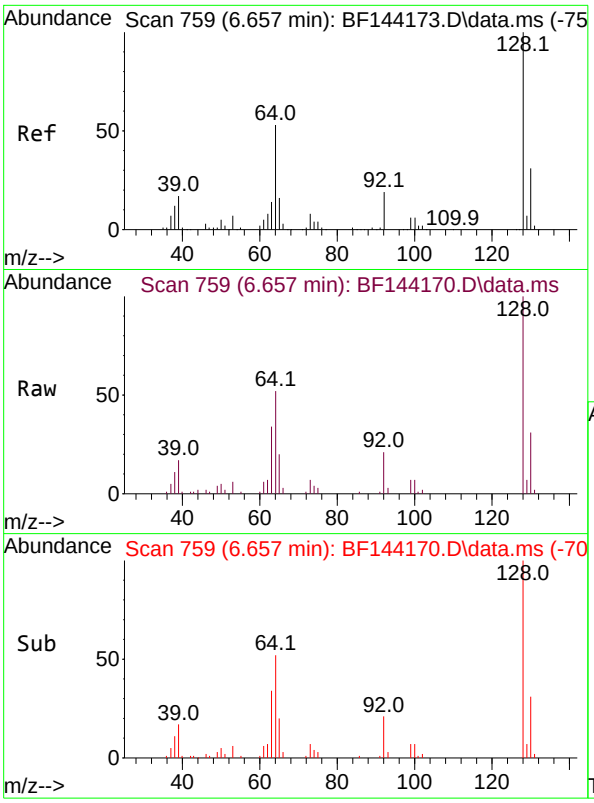


#7
Phenol-d6
Concen: 10.817 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 99 Resp: 66870

Ion	Ratio	Lower	Upper
99	100		
42	22.8	20.9	31.3
71	34.1	31.4	47.2





#8
2-Chlorophenol
Concen: 4.953 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:128 Resp: 2650

Ion	Ratio	Lower	Upper
128	100		
130	30.8	10.5	50.5
64	51.7	33.2	73.2

Instrument :
BNA_F
ClientSampleId :
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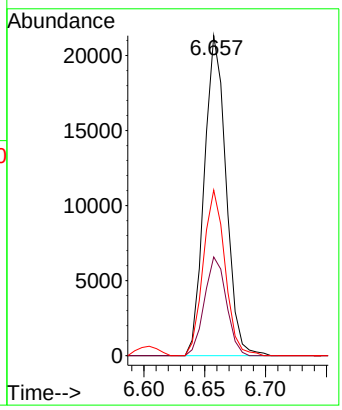
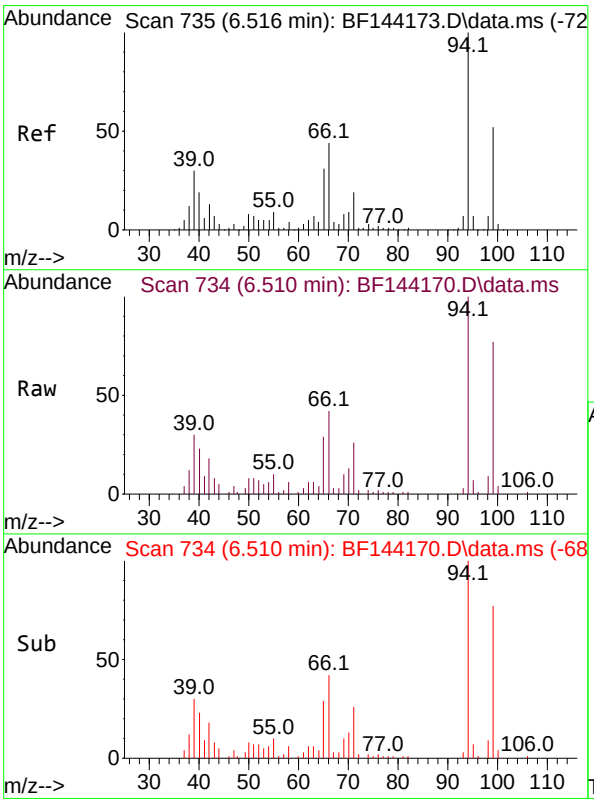
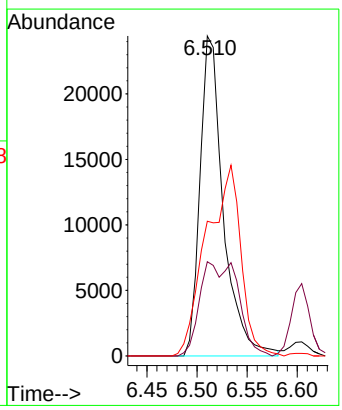


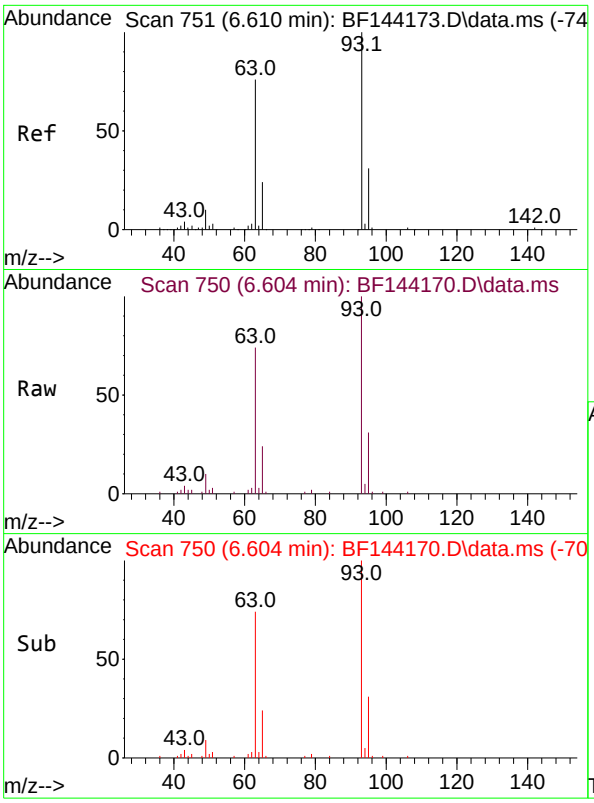


#10
Phenol
Concen: 5.214 ng
RT: 6.510 min Scan# 734
Delta R.T. -0.017 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 94 Resp: 39383

Ion	Ratio	Lower	Upper
94	100		
65	29.4	10.8	50.8
66	42.1	24.3	64.3





#11
bis(2-Chloroethyl)ether
Concen: 4.958 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 93 Resp: 2728

Ion	Ratio	Lower	Upper
93	100		
63	74.4	55.2	95.2
95	30.7	11.2	51.2

Instrument :
BNA_F
ClientSampleId :
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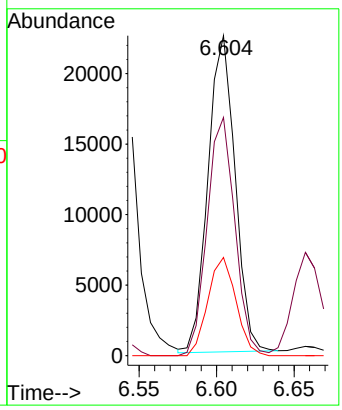
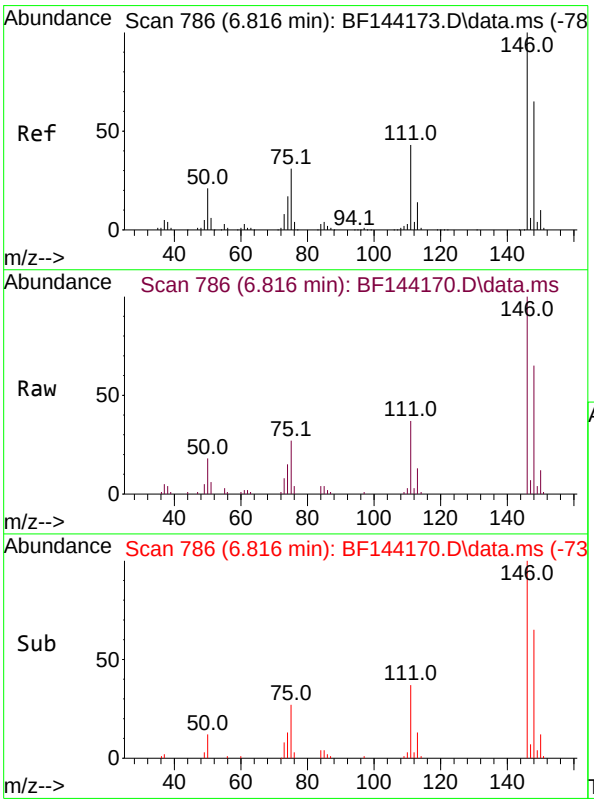
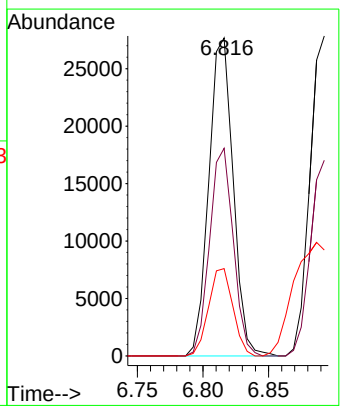


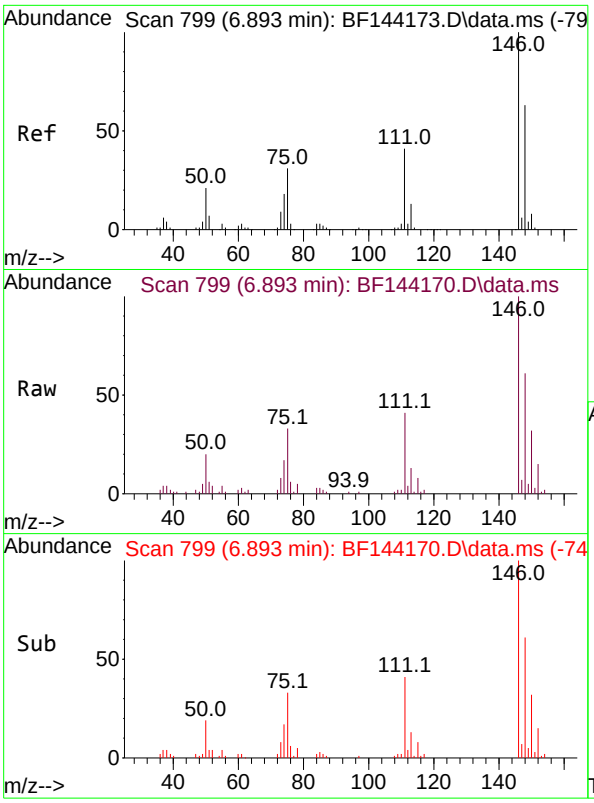


#12
1,3-Dichlorobenzene
Concen: 5.422 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:146 Resp: 35799

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.8	77.8
75	27.4	25.0	37.4





#13
1,4-Dichlorobenzene
Concen: 5.385 ng
RT: 6.893 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:146 Resp: 3562

Ion	Ratio	Lower	Upper
146	100		
148	61.1	50.2	75.2
111	40.6	32.6	48.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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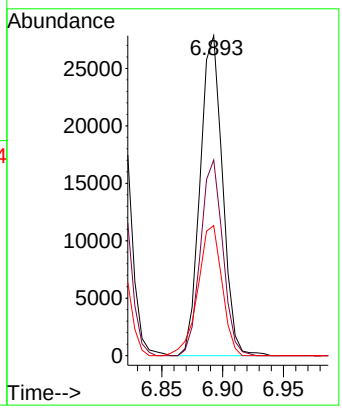
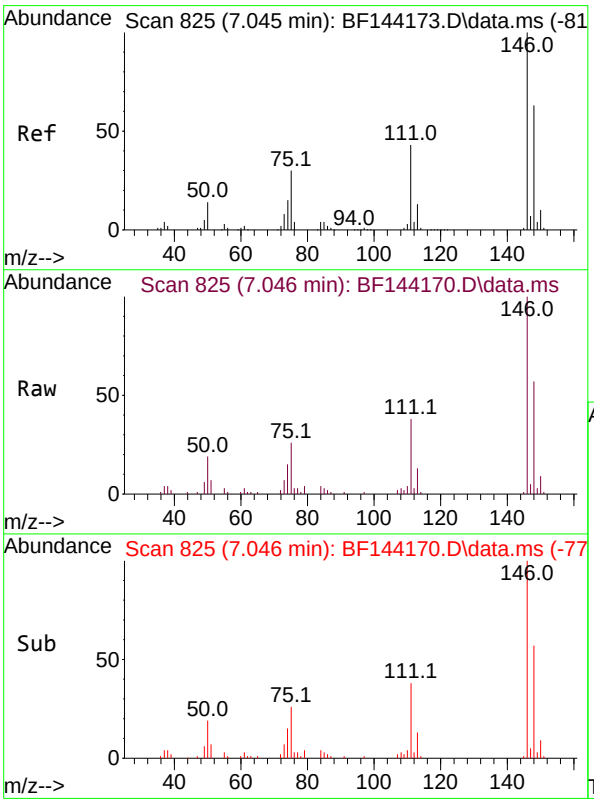
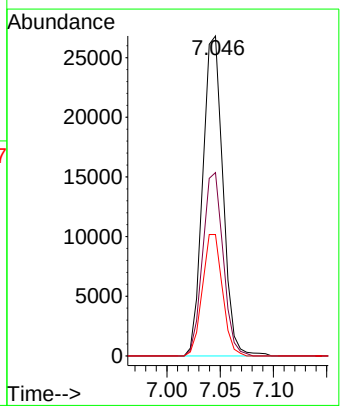


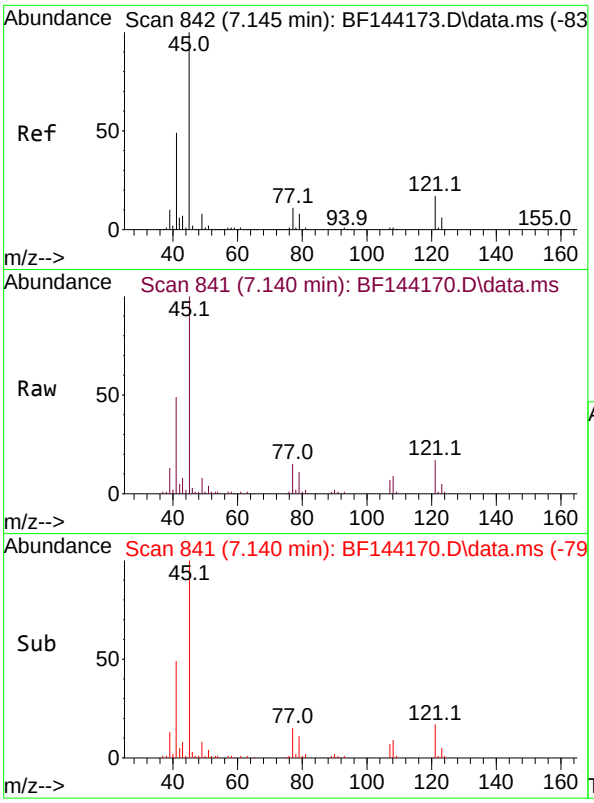


#14
1,2-Dichlorobenzene
Concen: 5.559 ng
RT: 7.046 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:146 Resp: 35243

Ion	Ratio	Lower	Upper
146	100		
148	57.3	50.7	76.1
111	37.9	34.2	51.4





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.072 ng
RT: 7.140 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 45 Resp: 51408

Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	31.8
79	11.5	0.0	29.1

Instrument :
BNA_F
ClientSampleId :
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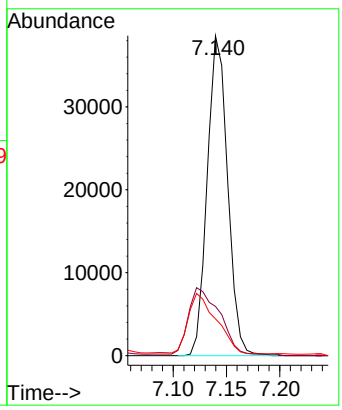
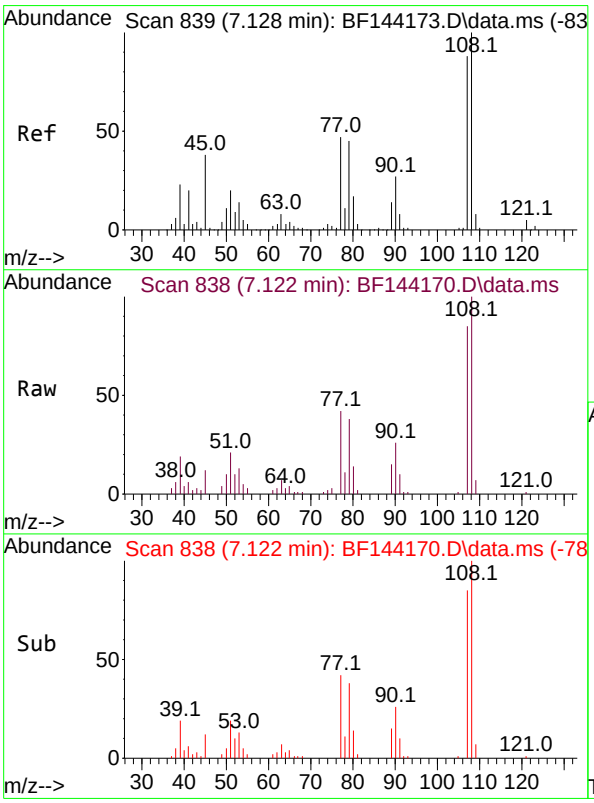
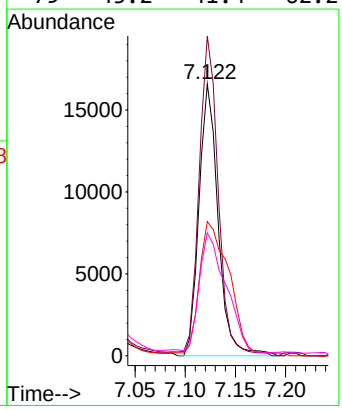


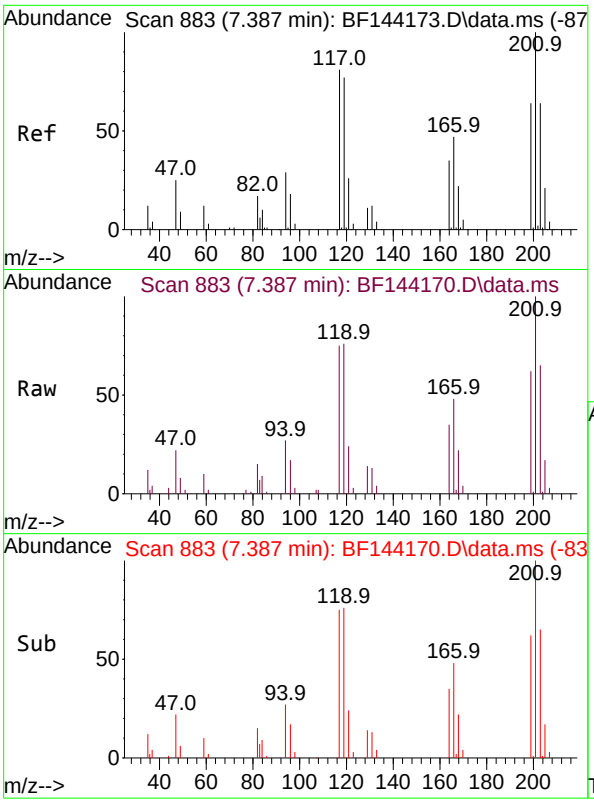


#17
2-Methylphenol
Concen: 5.168 ng
RT: 7.122 min Scan# 838
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:107 Resp: 21999

Ion	Ratio	Lower	Upper
107	100		
108	117.7	91.0	136.4
77	49.4	42.7	64.1
79	45.2	41.4	62.2





#18
Hexachloroethane
Concen: 4.973 ng
RT: 7.387 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:117 Resp: 1092

Ion	Ratio	Lower	Upper
117	100		
119	102.0	75.8	113.8
201	133.4	98.9	148.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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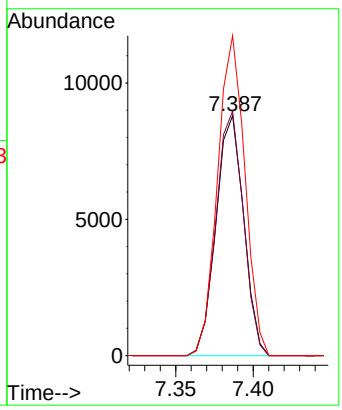
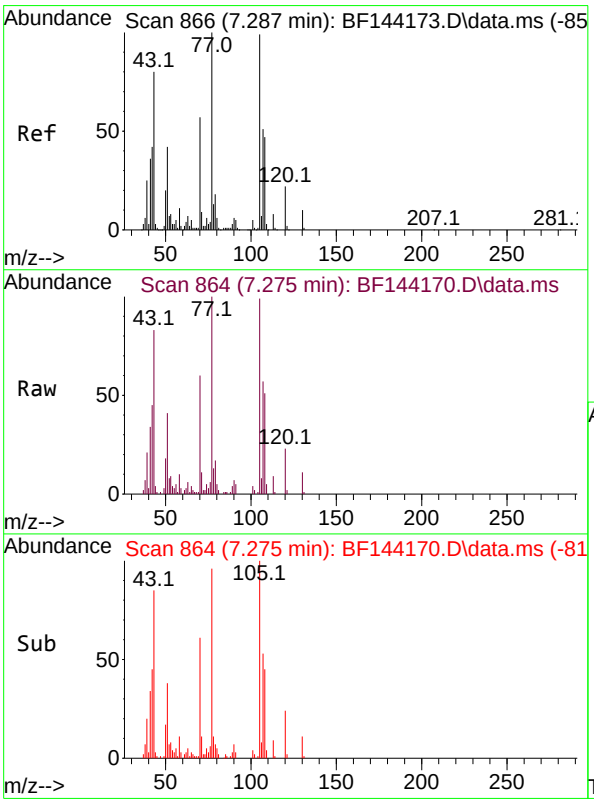
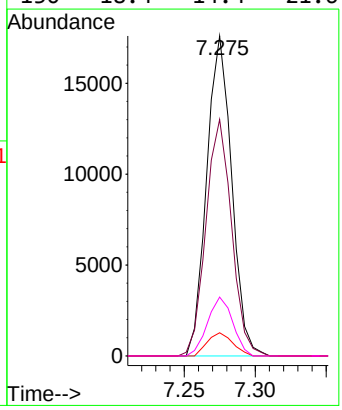


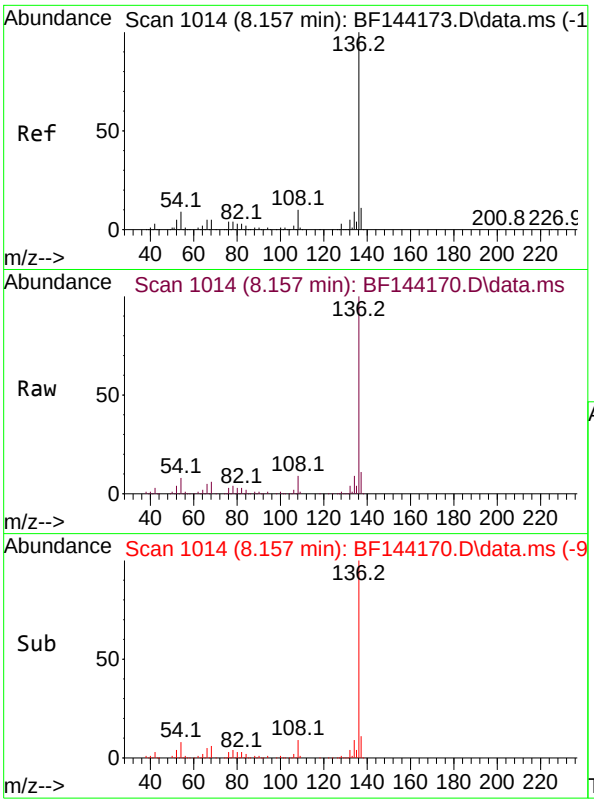


#19
n-Nitroso-di-n-propylamine
Concen: 5.296 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.023 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 70 Resp: 21555

Ion	Ratio	Lower	Upper
70	100		
42	73.9	58.3	87.5
101	7.3	7.0	10.6
130	18.4	14.4	21.6

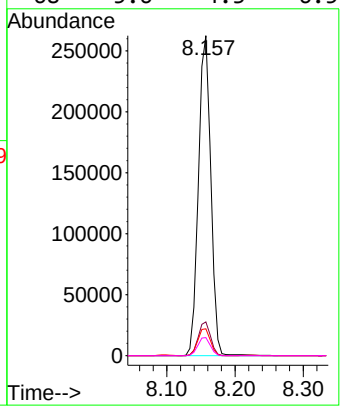




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:136 Resp: 330889

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.4	7.0	10.6
68	5.6	4.3	6.5



Instrument :
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ClientSampleId :
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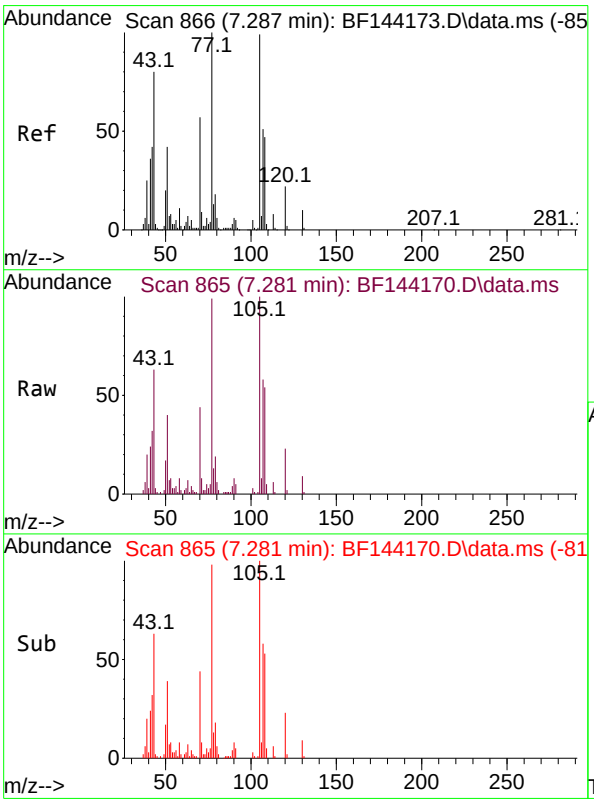
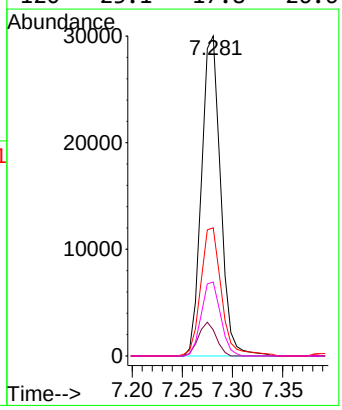
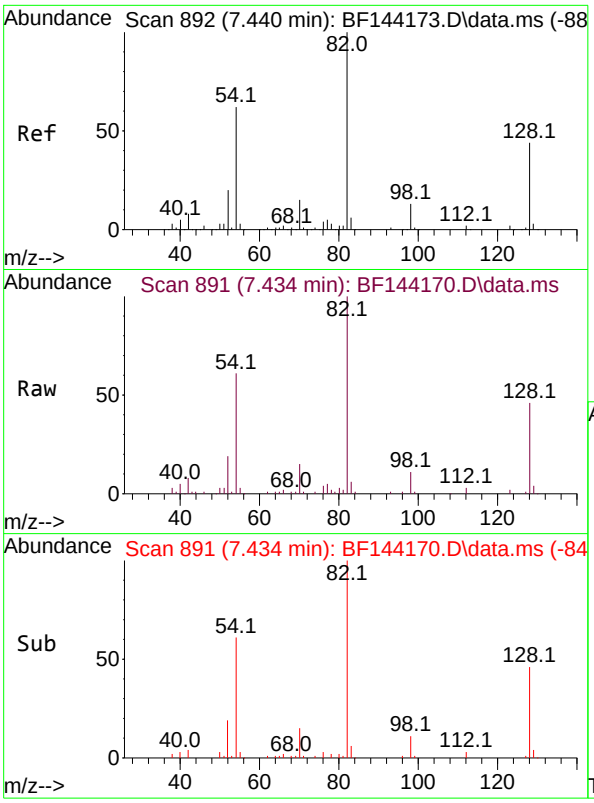


#22
Acetophenone
Concen: 5.580 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:105 Resp: 39609

Ion	Ratio	Lower	Upper
105	100		
71	8.1	7.2	10.8
51	40.0	34.0	51.0
120	23.1	17.8	26.6





#23
Nitrobenzene-d5
Concen: 9.904 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 82 Resp: 5674

Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.7	52.1
54	60.6	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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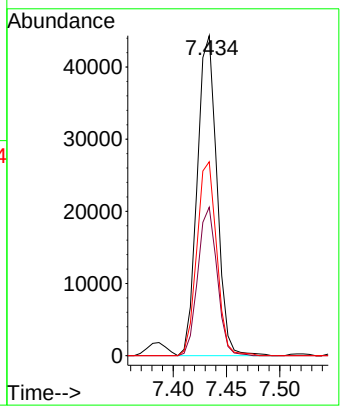
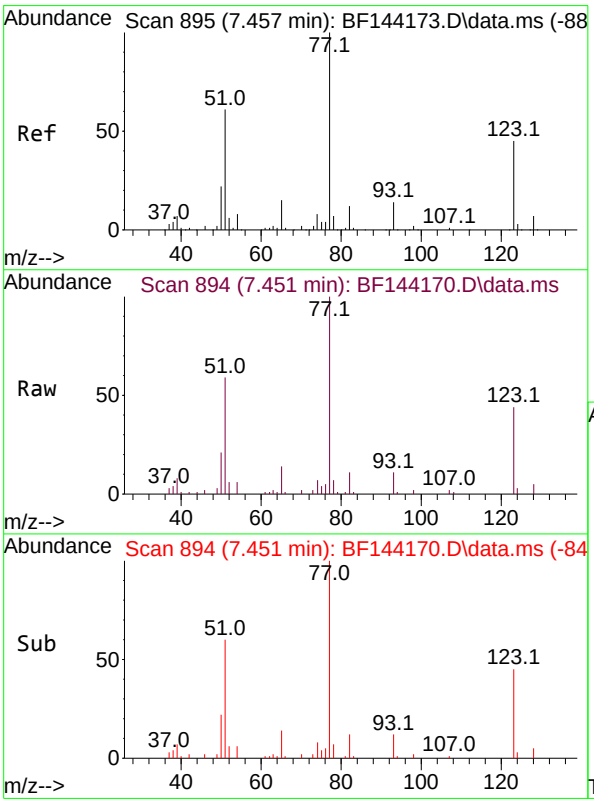
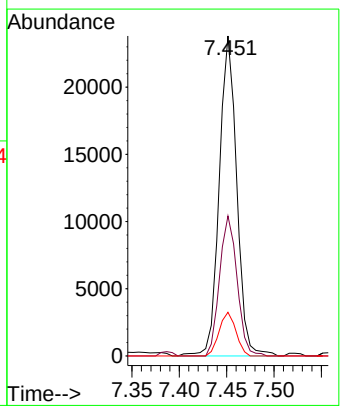


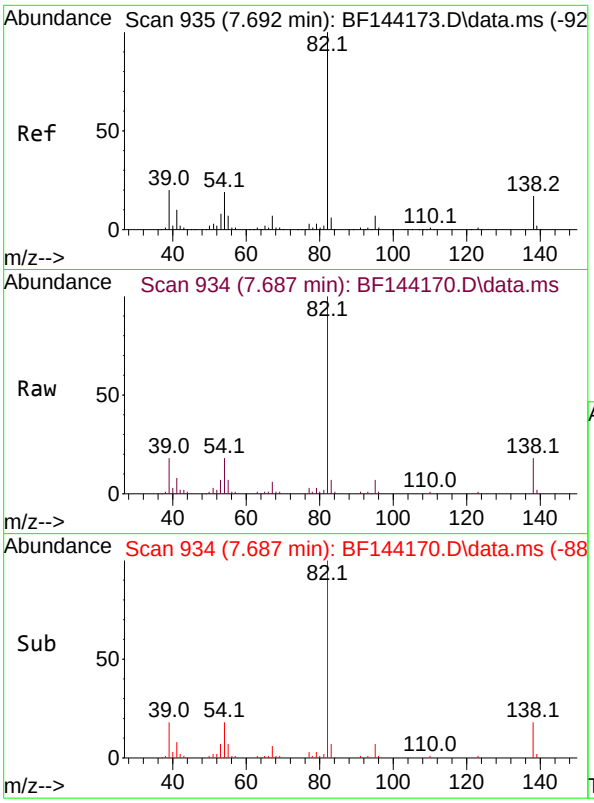


#24
Nitrobenzene
Concen: 4.915 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 77 Resp: 30574

Ion	Ratio	Lower	Upper
77	100		
123	43.7	35.8	53.8
65	13.6	12.2	18.2





#25
Isophorone
Concen: 5.028 ng
RT: 7.687 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 82 Resp: 5448

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.5	8.3
138	18.4	13.7	20.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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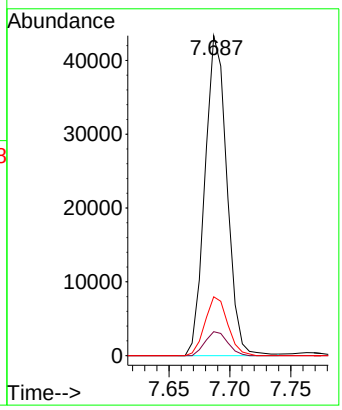
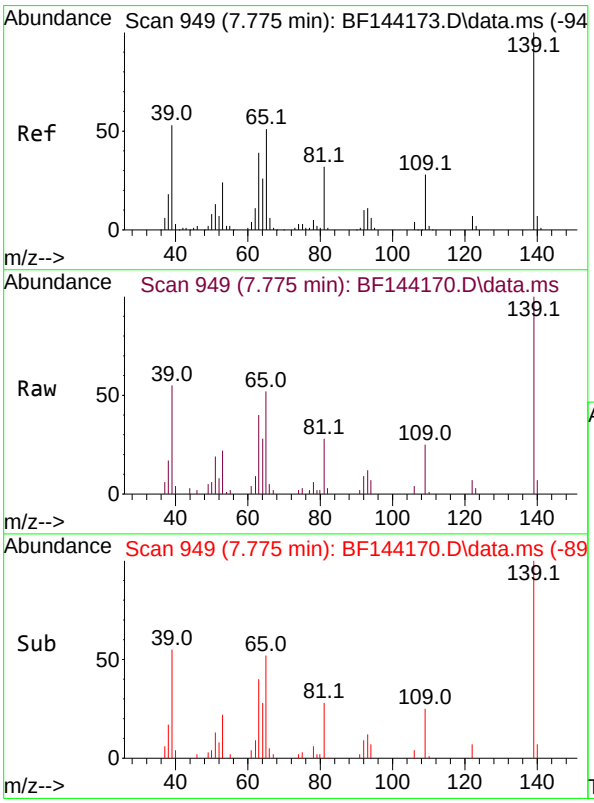
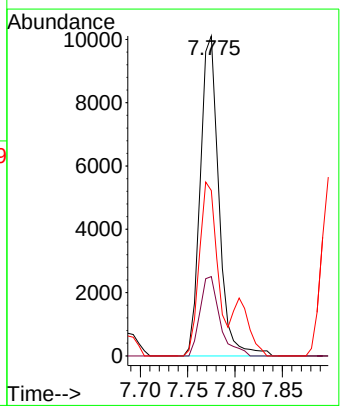


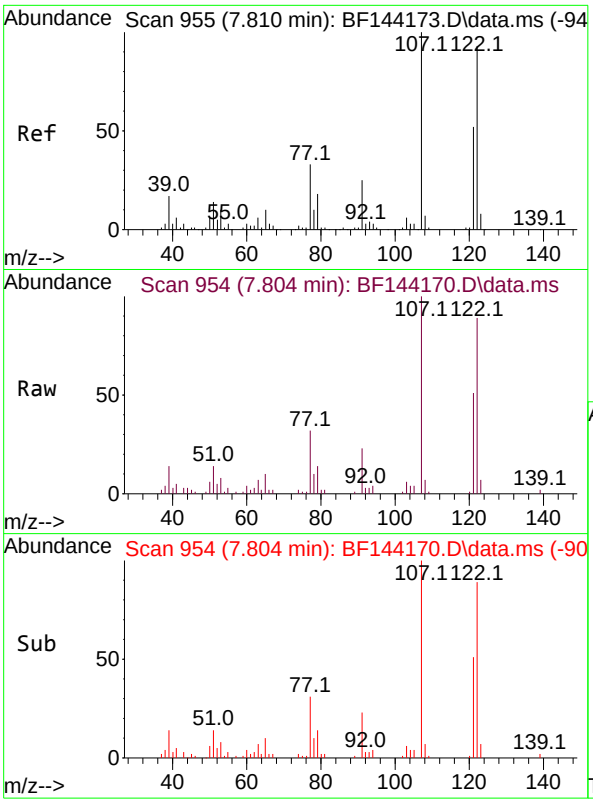


#26
2-Nitrophenol
Concen: 4.478 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:139 Resp: 13789

Ion	Ratio	Lower	Upper
139	100		
109	24.8	22.2	33.2
65	51.7	40.7	61.1





#27
2,4-Dimethylphenol
Concen: 5.045 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:122 Resp: 2328

Ion	Ratio	Lower	Upper
122	100		
107	112.2	86.2	129.4
121	57.7	44.6	66.8

Instrument :
BNA_F
ClientSampleId :
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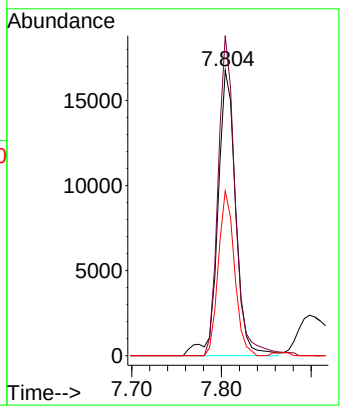
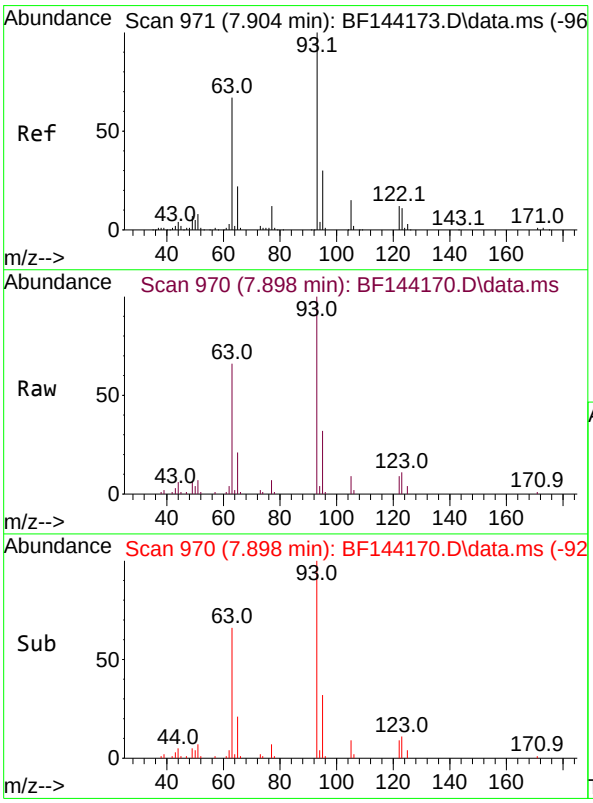
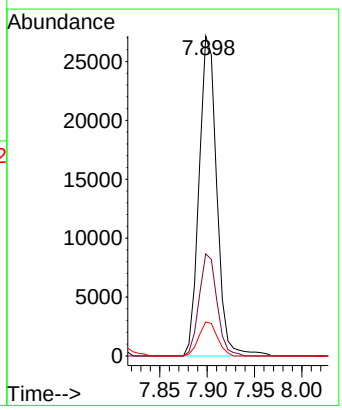


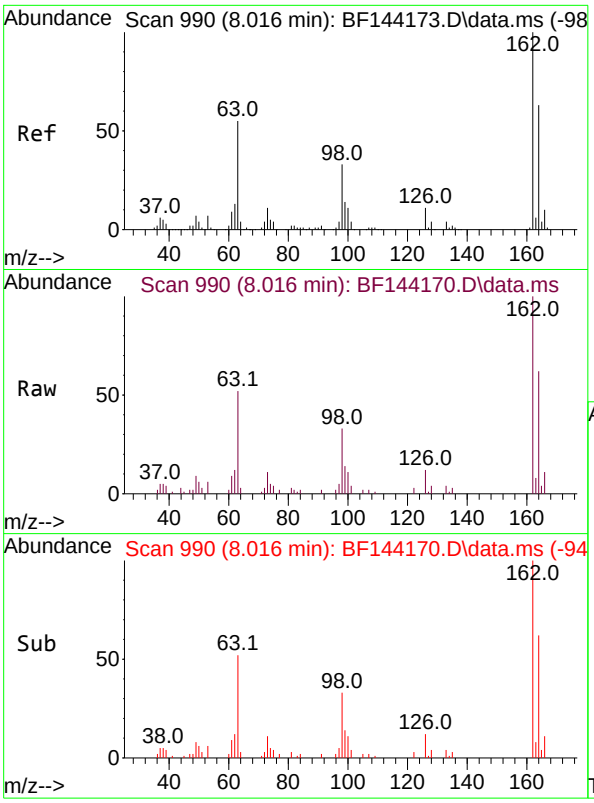


#28
bis(2-Chloroethoxy)methane
Concen: 5.207 ng
RT: 7.898 min Scan# 970
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 93 Resp: 35235

Ion	Ratio	Lower	Upper
93	100		
95	31.9	24.2	36.4
123	10.6	9.0	13.4





#29
2,4-Dichlorophenol
Concen: 5.189 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:162 Resp: 2760

Ion	Ratio	Lower	Upper
162	100		
164	62.0	42.9	82.9
98	33.3	13.3	53.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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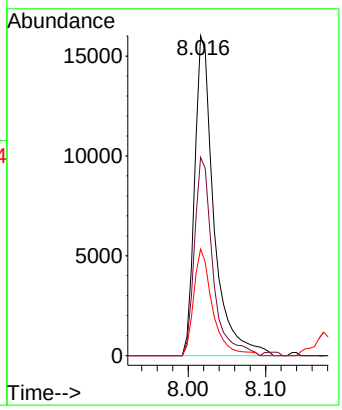
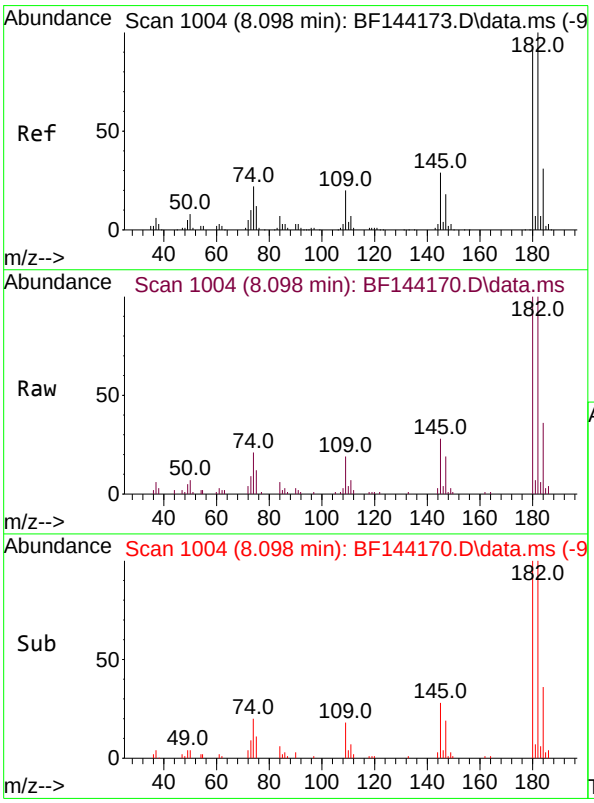
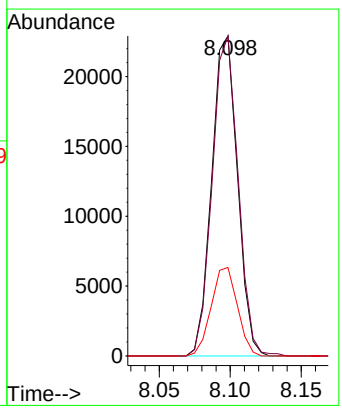


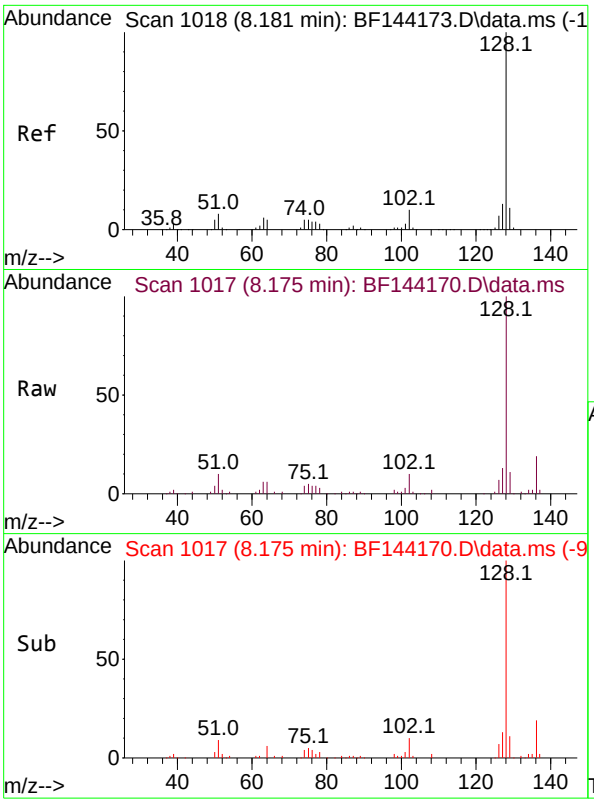


#30
1,2,4-Trichlorobenzene
Concen: 5.298 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:180 Resp: 28937

Ion	Ratio	Lower	Upper
180	100		
182	100.0	87.7	131.5
145	27.6	25.4	38.0





#31
Naphthalene
Concen: 5.357 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:128 Resp: 8432

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	12.9	10.3	15.5

Instrument :
BNA_F
ClientSampleId :
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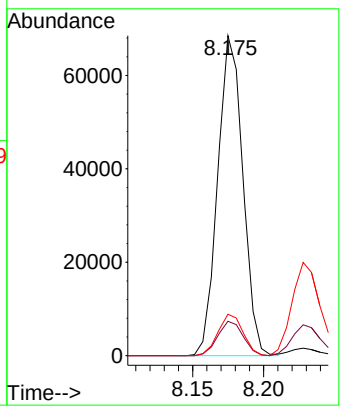
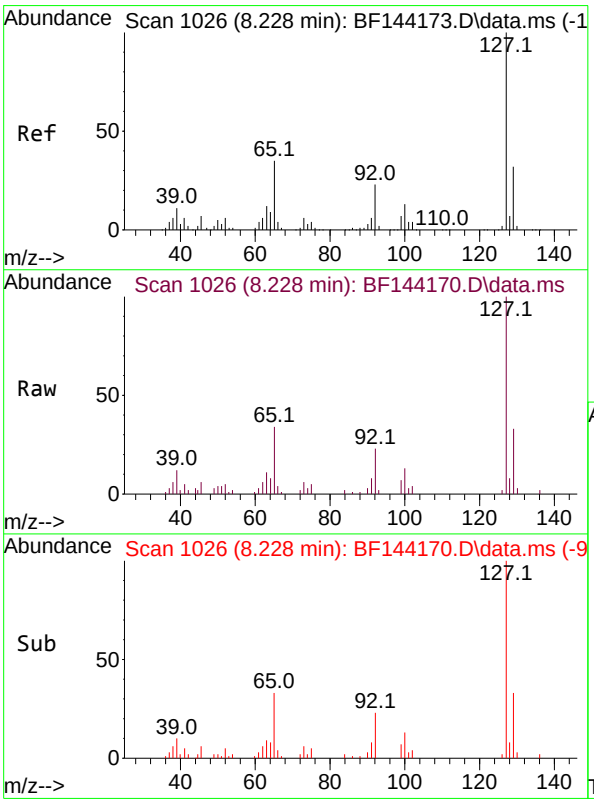
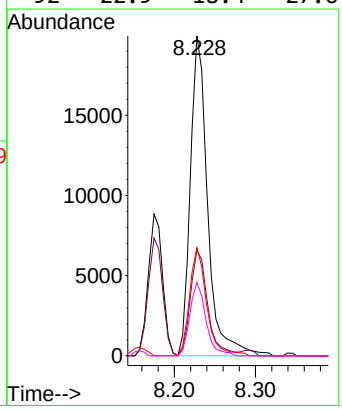


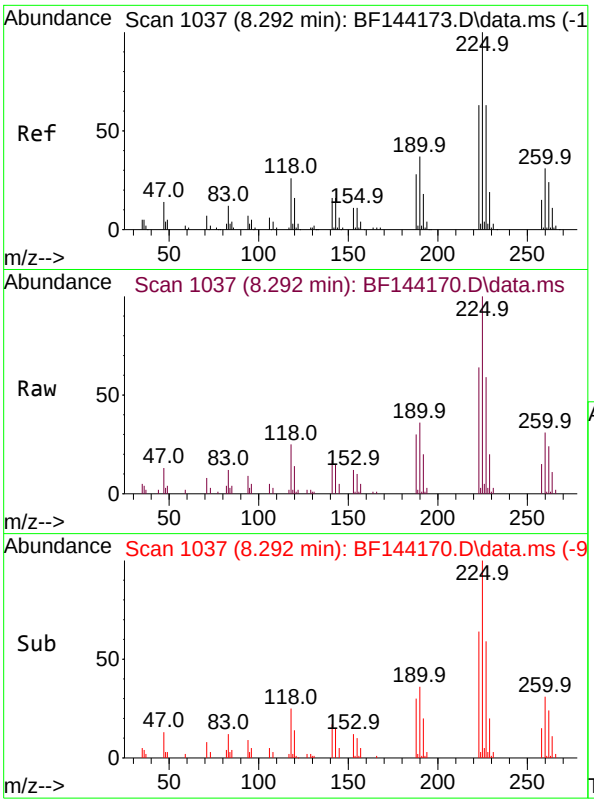


#33
4-Chloroaniline
Concen: 5.157 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:127 Resp: 29602

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.3	37.9
65	33.8	27.6	41.4
92	22.9	18.4	27.6





#34
Hexachlorobutadiene
Concen: 5.152 ng
RT: 8.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:225 Resp: 2120

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.2	75.4
227	59.1	50.1	75.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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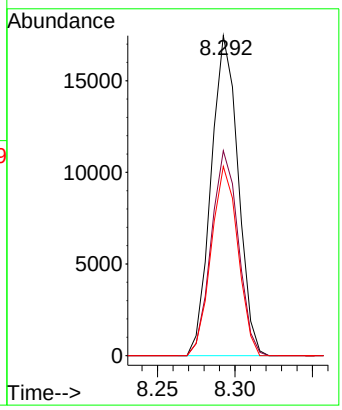
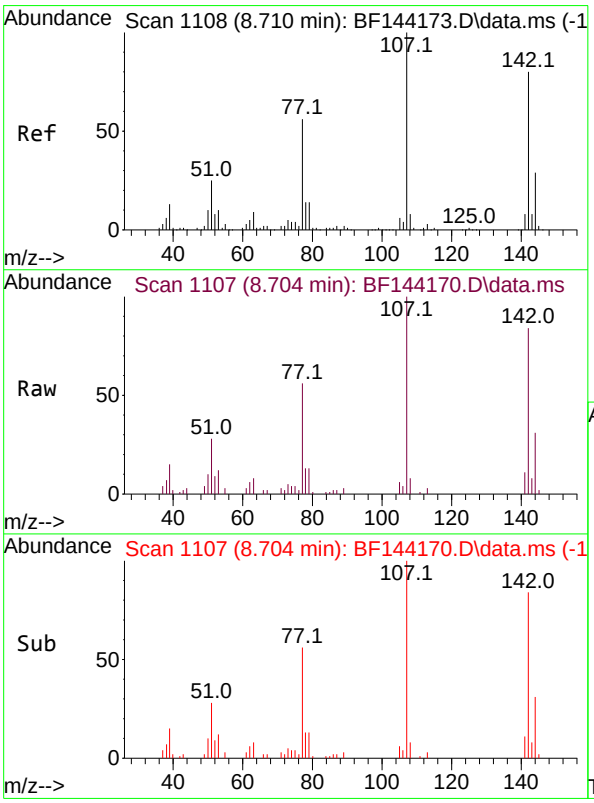
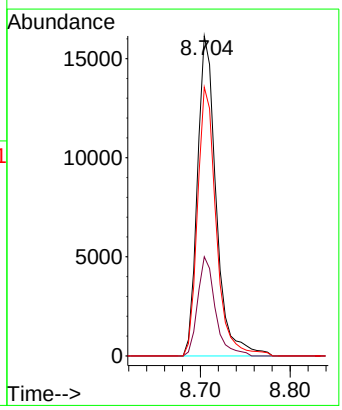


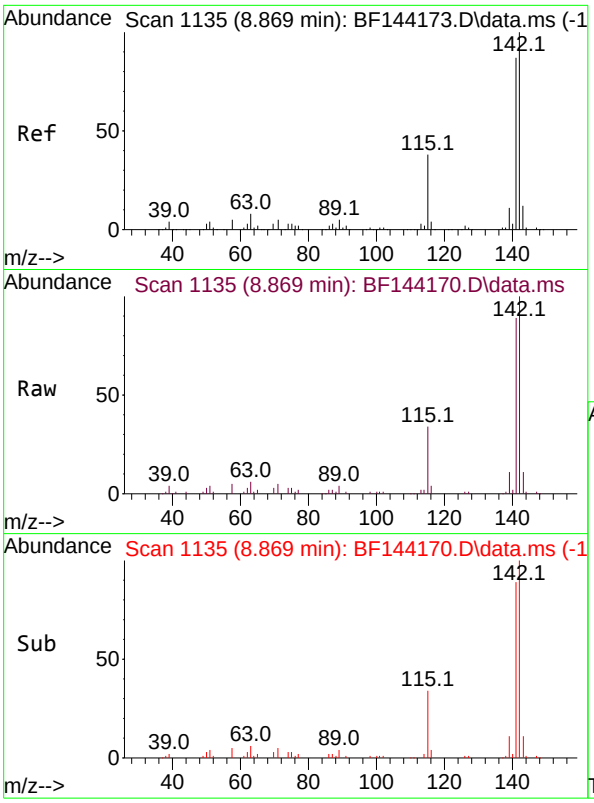


#36
4-Chloro-3-methylphenol
Concen: 4.914 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:107 Resp: 23428

Ion	Ratio	Lower	Upper
107	100		
144	31.0	23.3	34.9
142	84.0	63.8	95.6





#37
2-Methylnaphthalene
Concen: 5.520 ng
RT: 8.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:142 Resp: 5808

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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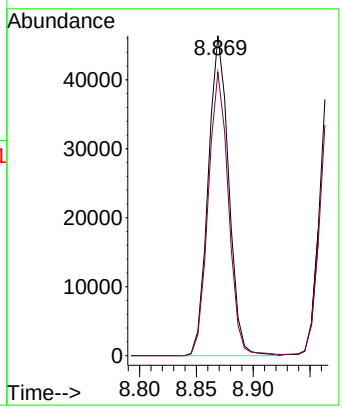
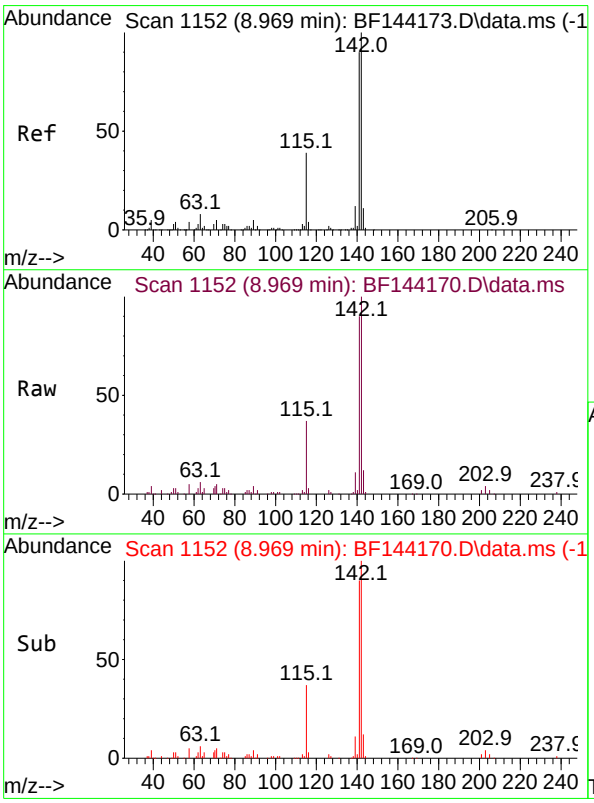
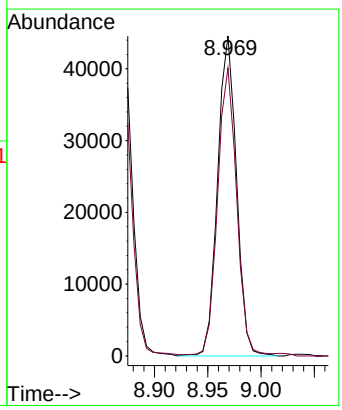


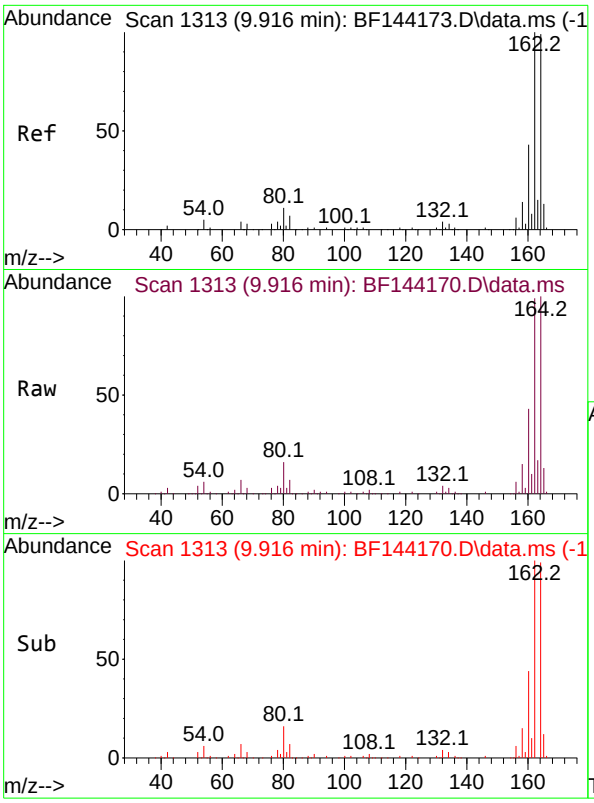


#38
1-Methylnaphthalene
Concen: 5.431 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:142 Resp: 55152

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.1	108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:164 Resp: 18800

Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.1	121.7
160	43.3	34.5	51.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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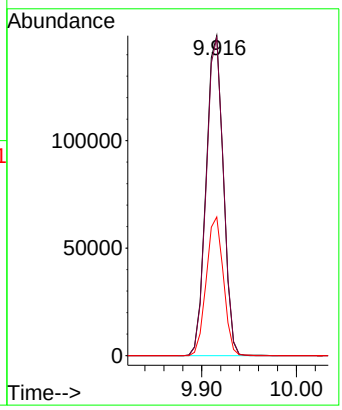
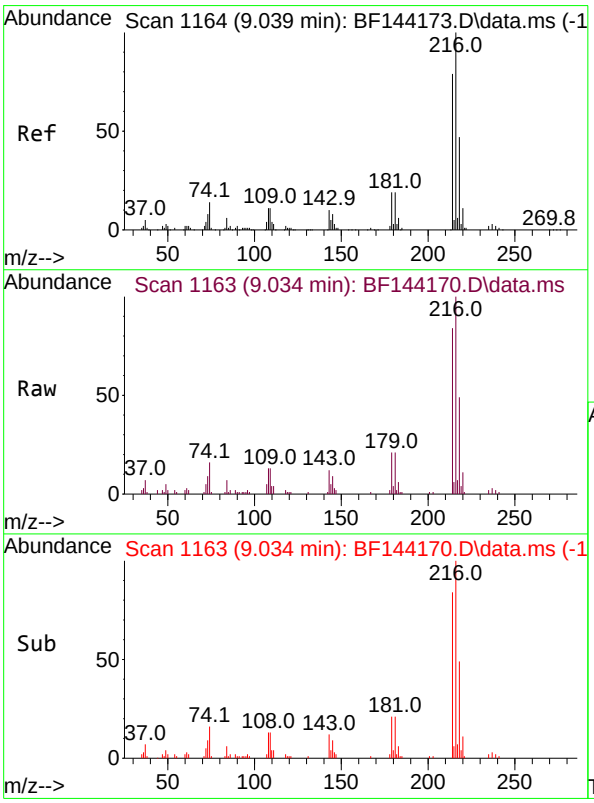
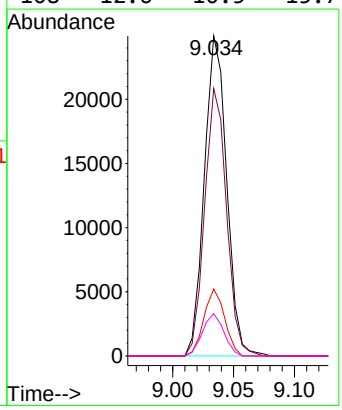


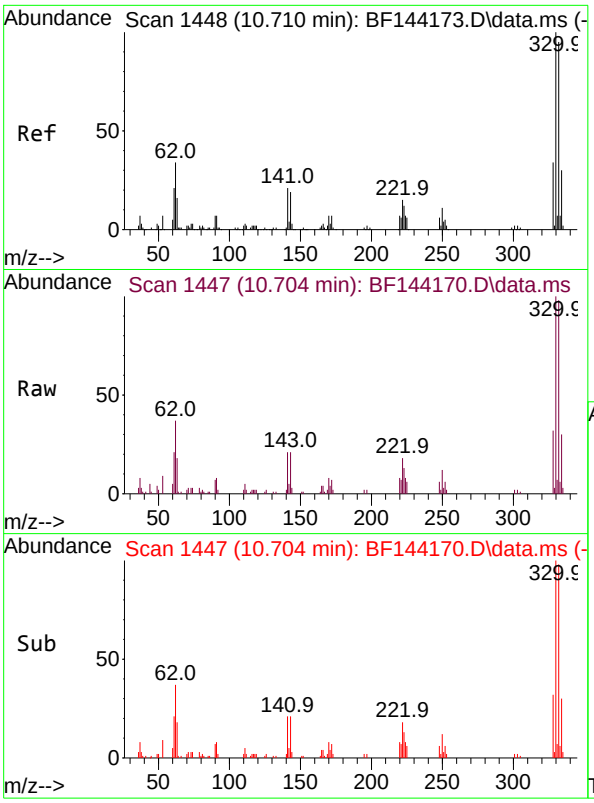


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.165 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:216 Resp: 31823

Ion	Ratio	Lower	Upper
216	100		
214	81.6	63.4	95.2
179	19.4	15.0	22.4
108	12.6	10.5	15.7





#42
2,4,6-Tribromophenol
Concen: 9.647 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:330 Resp: 22758

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.7	115.1
141	21.8	17.8	26.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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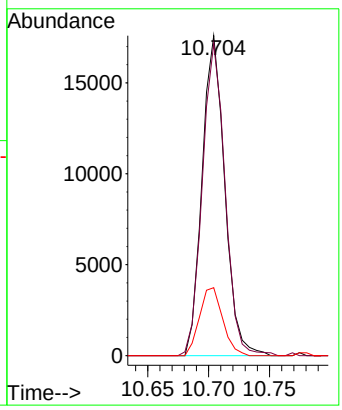
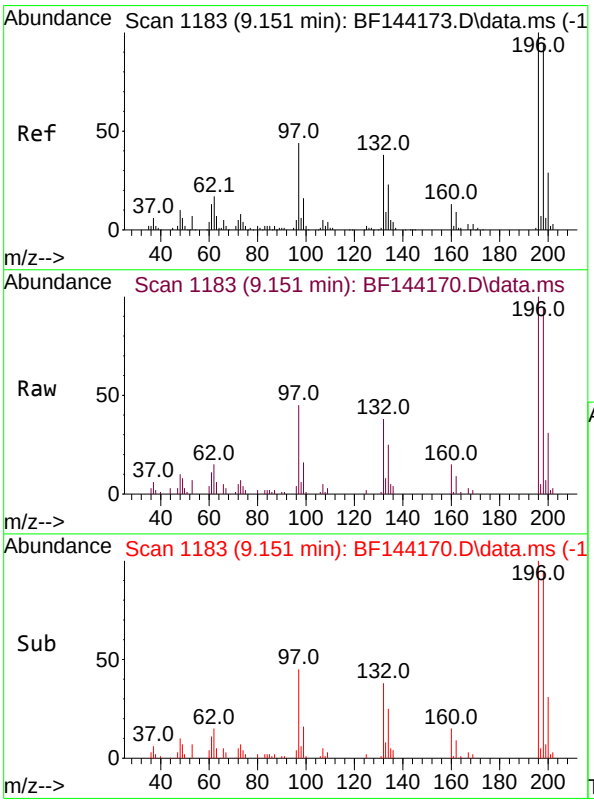
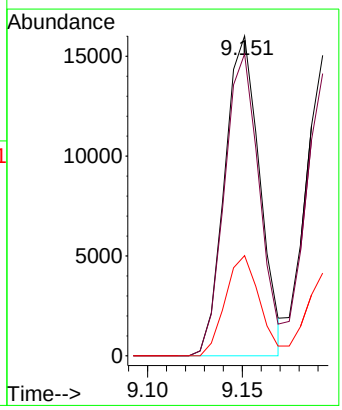


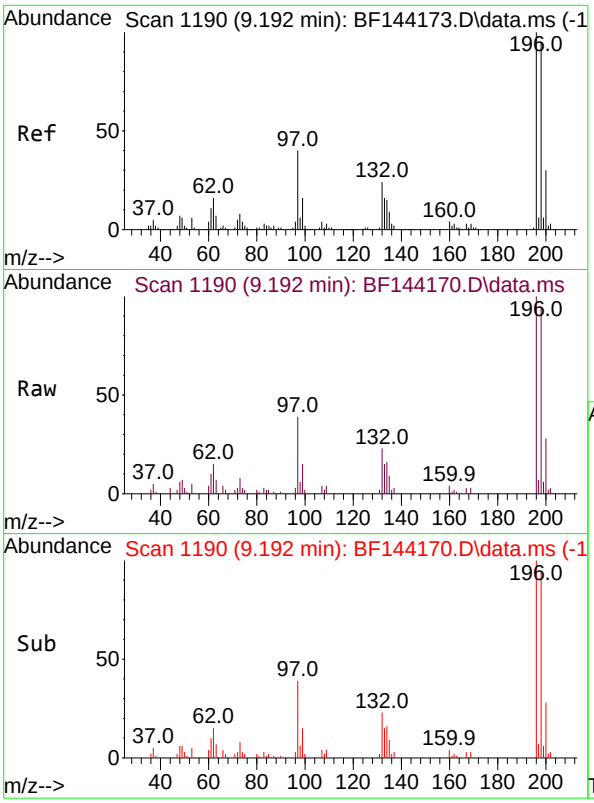


#43
2,4,6-Trichlorophenol
Concen: 4.933 ng
RT: 9.151 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:196 Resp: 20685

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.3	112.9
200	31.3	23.4	35.2

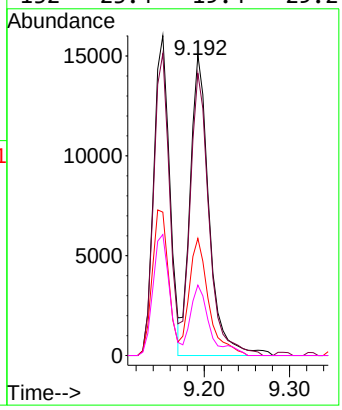




#44
2,4,5-Trichlorophenol
Concen: 5.165 ng
RT: 9.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:196 Resp: 2334

Ion	Ratio	Lower	Upper
196	100		
198	93.9	76.1	114.1
97	39.0	31.9	47.9
132	23.4	19.4	29.2



Instrument :
BNA_F
ClientSampleId :
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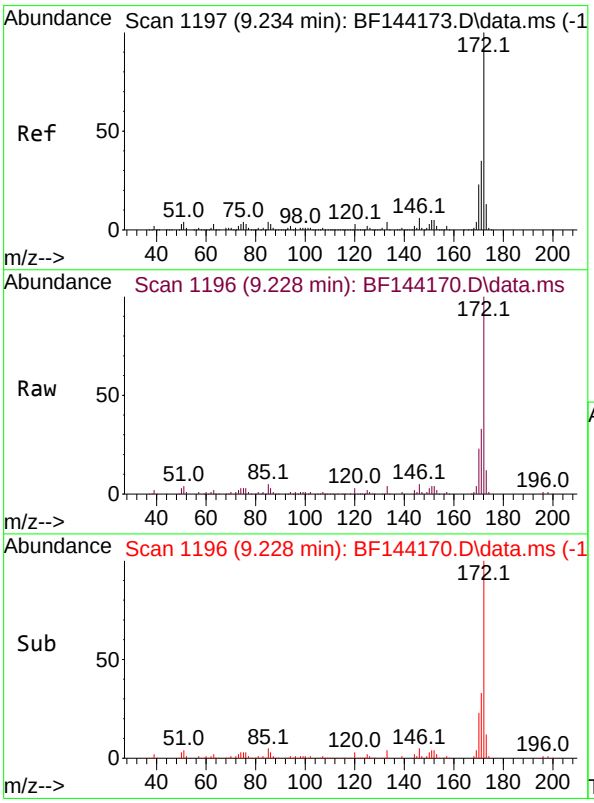
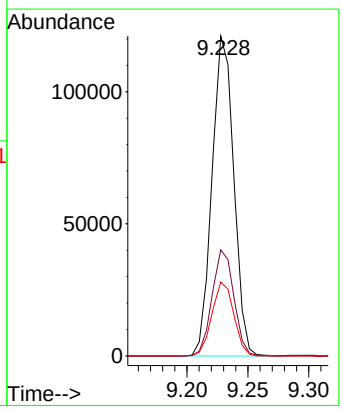
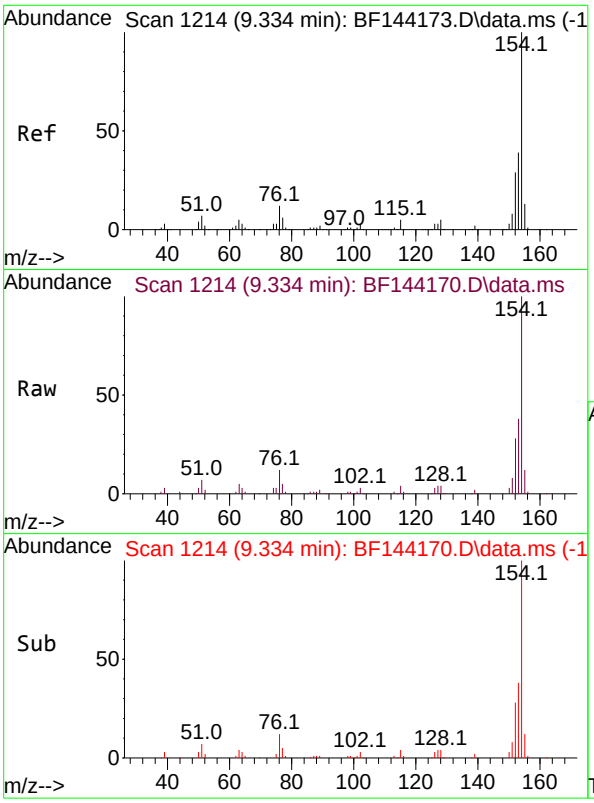


#45
2-Fluorobiphenyl
Concen: 11.803 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:172 Resp: 150248

Ion	Ratio	Lower	Upper
172	100		
171	33.1	28.1	42.1
170	23.1	18.6	28.0





#46
1,1'-Biphenyl
Concen: 5.496 ng
RT: 9.334 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:154 Resp: 7212

Ion	Ratio	Lower	Upper
154	100		
153	38.1	19.2	59.2
76	11.5	0.0	31.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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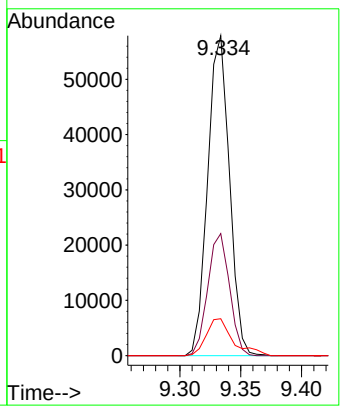
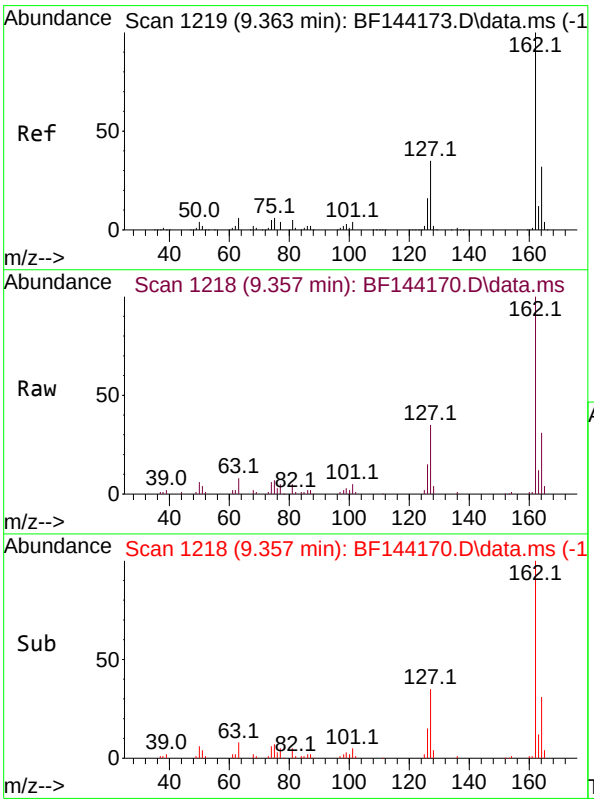
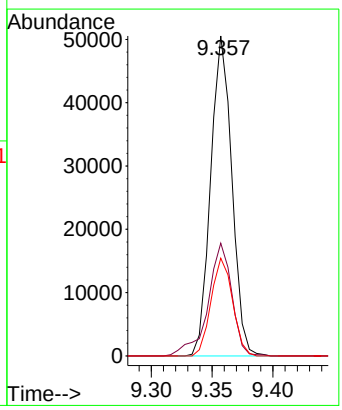


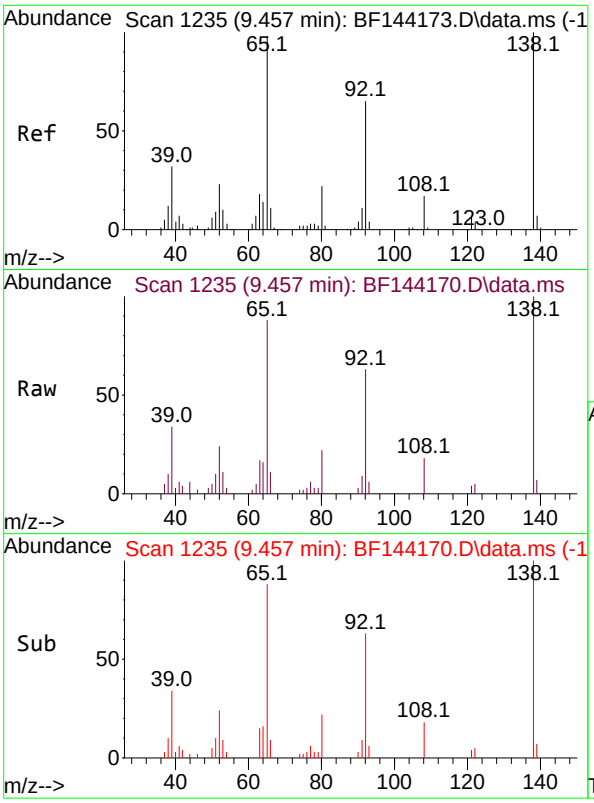


#47
2-Chloronaphthalene
Concen: 5.470 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:162 Resp: 61232

Ion	Ratio	Lower	Upper
162	100		
127	35.2	28.8	43.2
164	30.5	25.8	38.8





#48
2-Nitroaniline
Concen: 4.399 ng
RT: 9.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 65 Resp: 1420

Ion	Ratio	Lower	Upper
65	100		
92	72.4	53.0	79.6
138	114.3	81.6	122.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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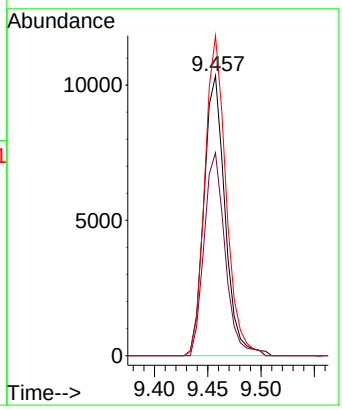
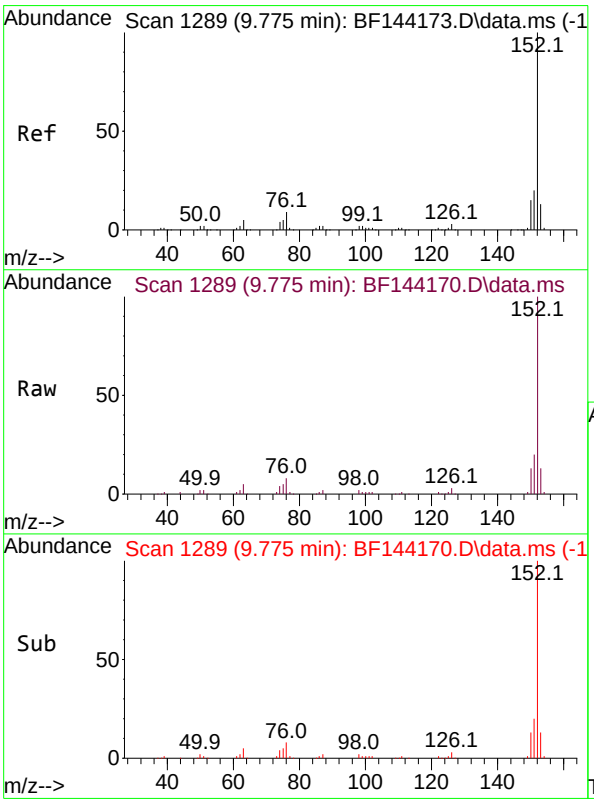
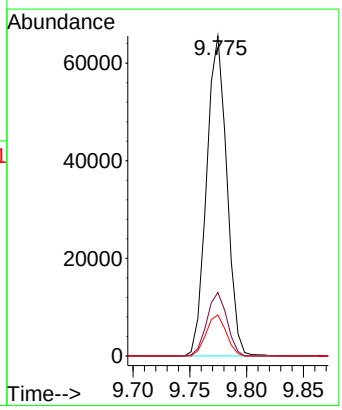


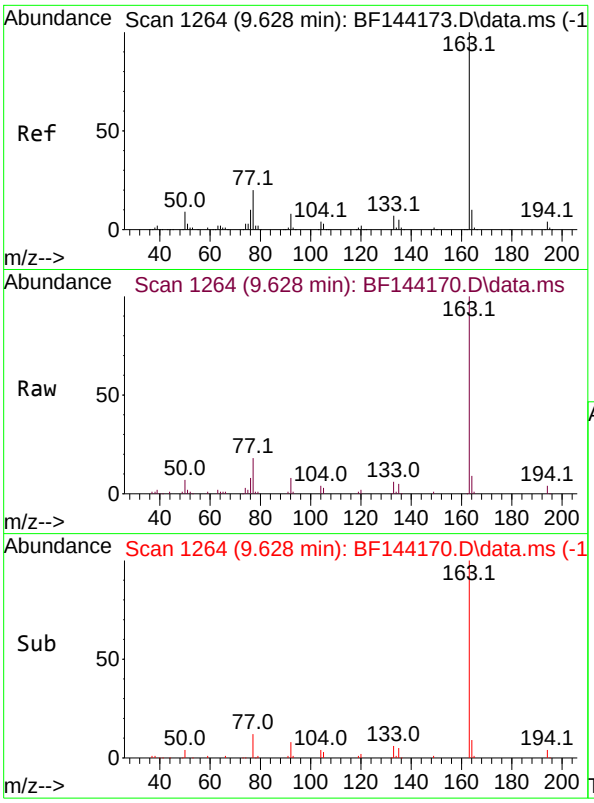


#49
Acenaphthylene
Concen: 5.321 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:152 Resp: 81168

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	12.8	10.5	15.7





#50
Dimethylphthalate
Concen: 5.423 ng
RT: 9.628 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:163 Resp: 6753

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	8.5	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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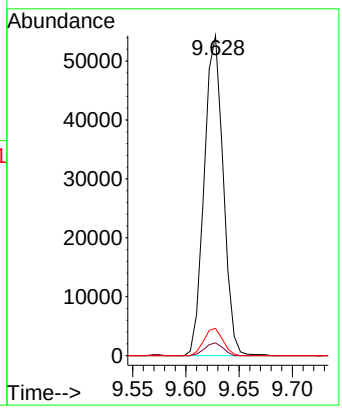
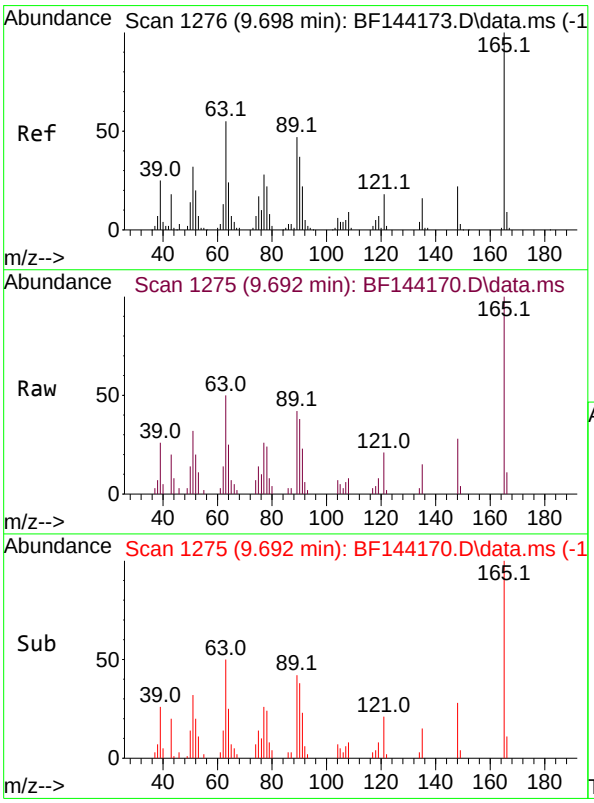
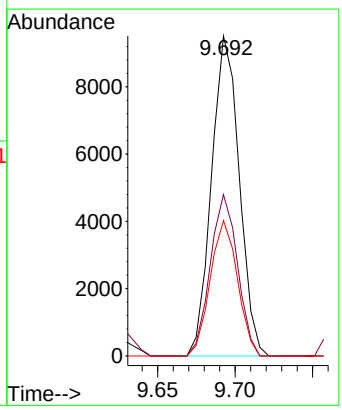


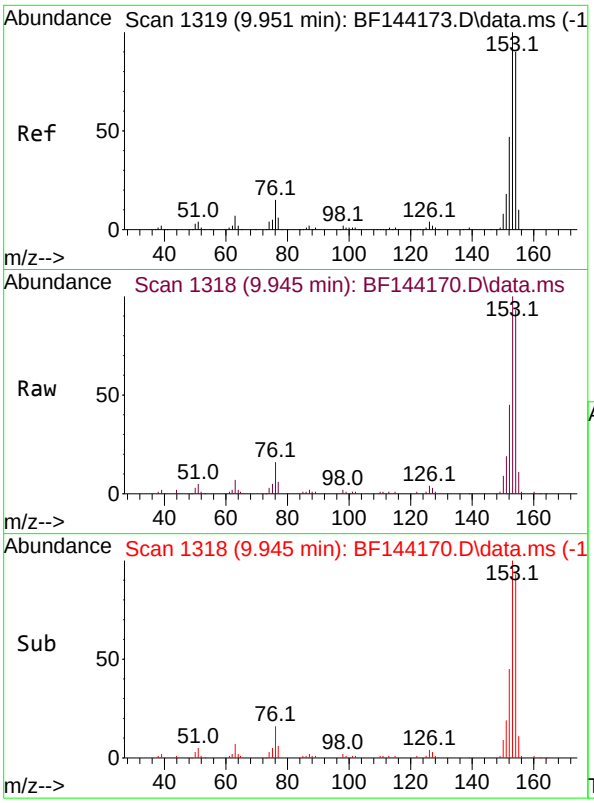


#51
2,6-Dinitrotoluene
Concen: 4.684 ng
RT: 9.692 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:165 Resp: 11809

Ion	Ratio	Lower	Upper
165	100		
63	50.5	43.8	65.8
89	42.3	37.5	56.3





#52
Acenaphthene
Concen: 5.241 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:154 Resp: 5346

Ion	Ratio	Lower	Upper
154	100		
153	107.4	89.0	133.4
152	48.5	42.2	63.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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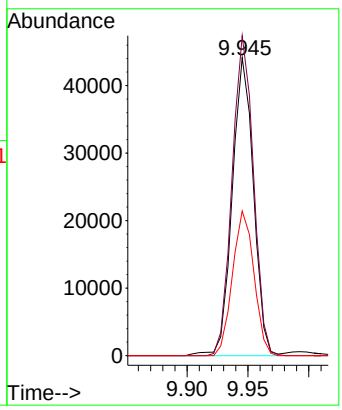
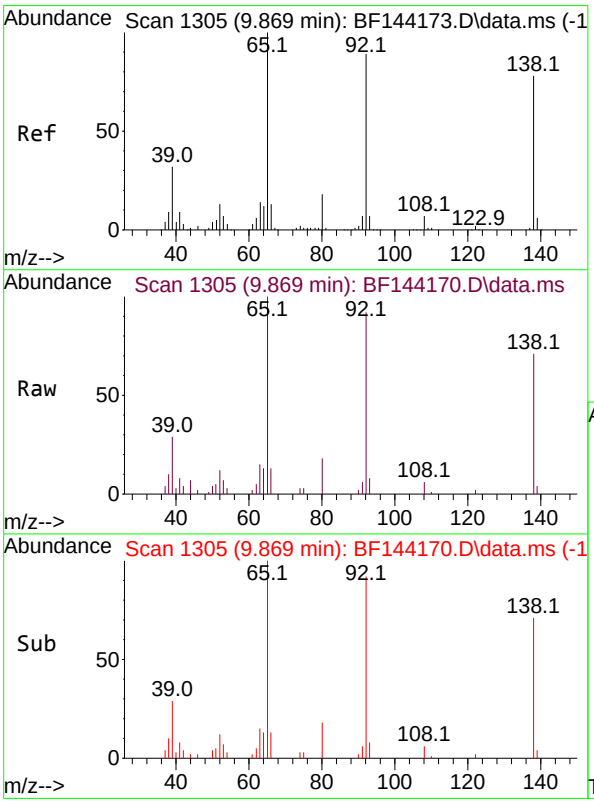
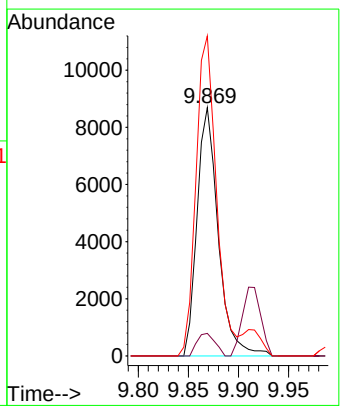


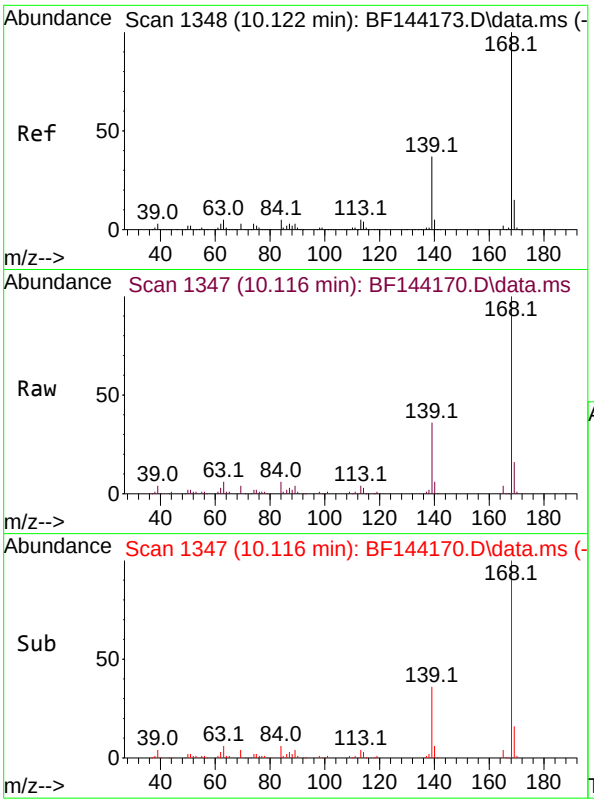


#53
3-Nitroaniline
Concen: 4.626 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:138 Resp: 12750

Ion	Ratio	Lower	Upper
138	100		
108	9.0	7.5	11.3
92	128.9	91.8	137.6





#55
Dibenzofuran
Concen: 5.409 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:168 Resp: 7727

Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.2	45.2
169	15.7	12.2	18.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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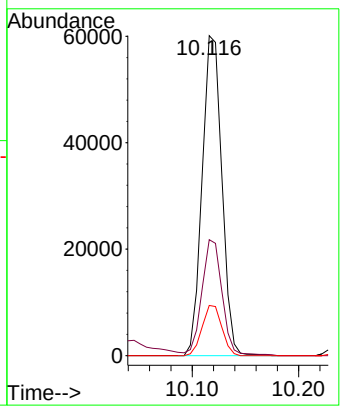
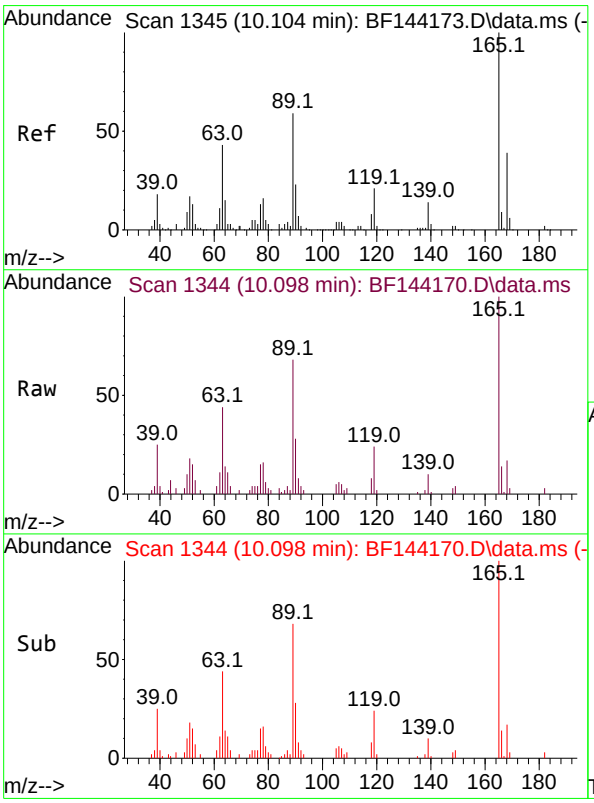
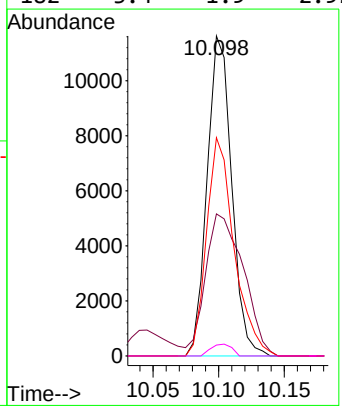


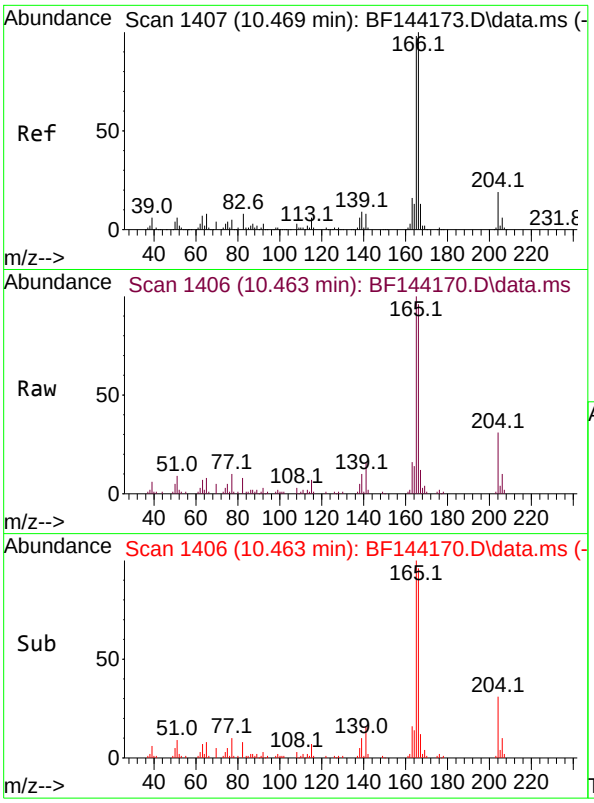


#57
2,4-Dinitrotoluene
Concen: 4.485 ng
RT: 10.098 min Scan# 1344
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:165 Resp: 15136

Ion	Ratio	Lower	Upper
165	100		
63	44.4	35.5	53.3
89	68.2	47.4	71.2
182	3.4	1.9	2.9#





#58
Fluorene
Concen: 5.605 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:166 Resp: 6088

Ion	Ratio	Lower	Upper
166	100		
165	104.5	78.6	118.0
167	12.9	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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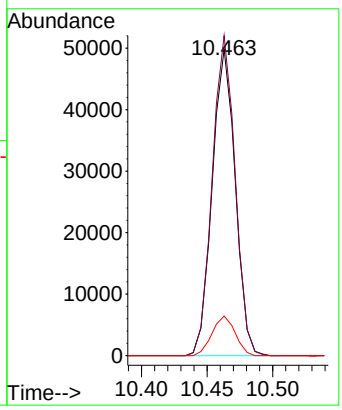
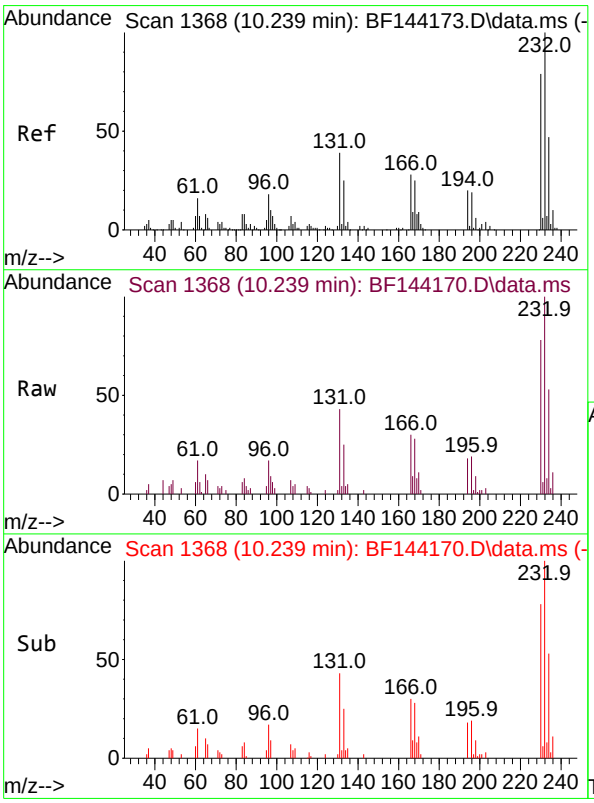
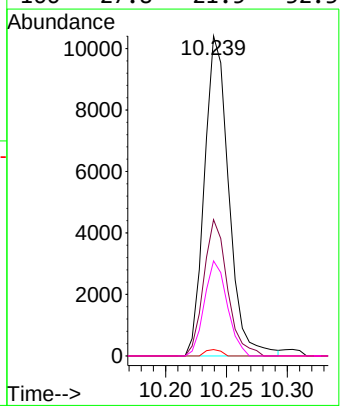


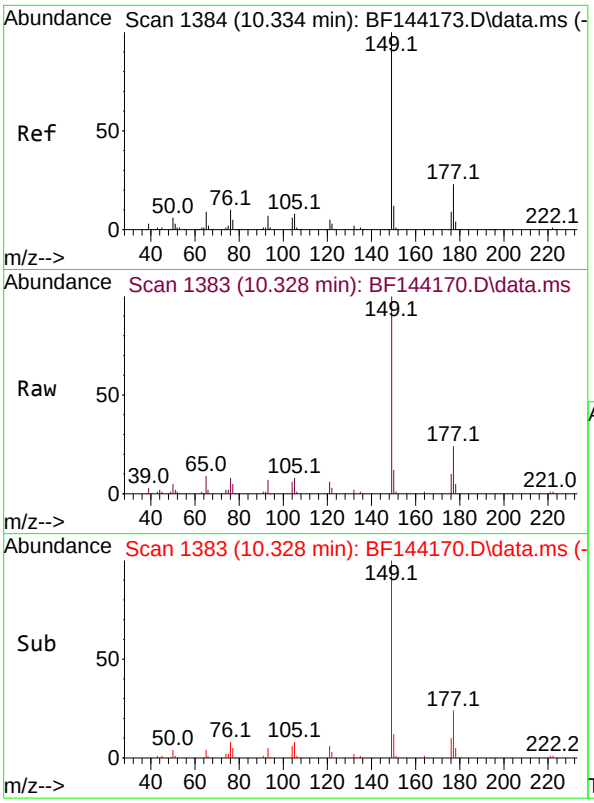


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.525 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:232 Resp: 14470

Ion	Ratio	Lower	Upper
232	100		
131	41.4	30.3	45.5
130	1.3	1.2	1.8
166	27.8	21.5	32.3





#60
Diethylphthalate
Concen: 5.297 ng
RT: 10.328 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:149 Resp: 6081

Ion	Ratio	Lower	Upper
149	100		
177	23.8	18.3	27.5
150	12.1	9.8	14.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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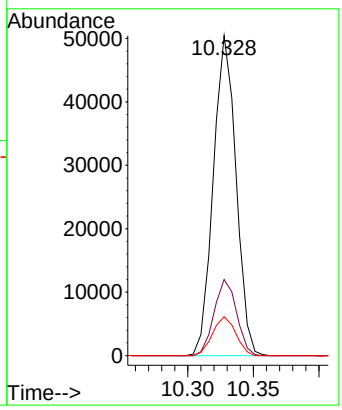
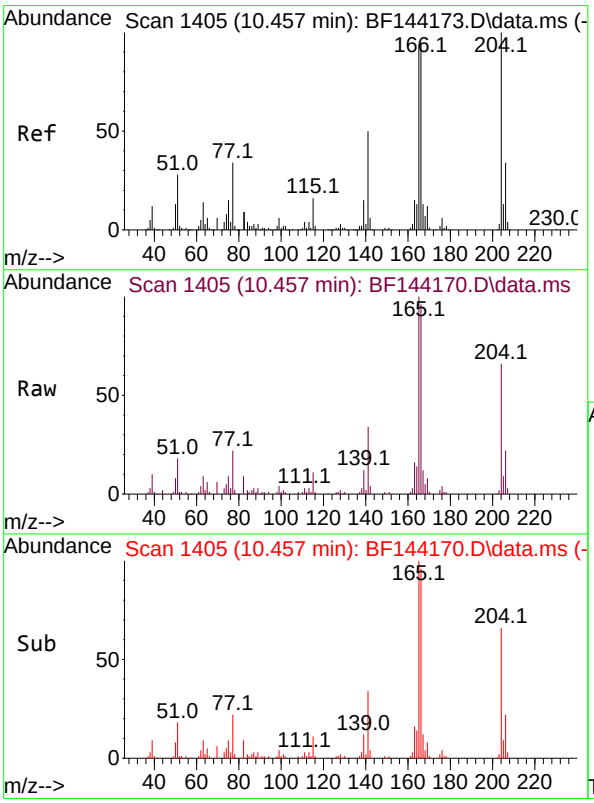
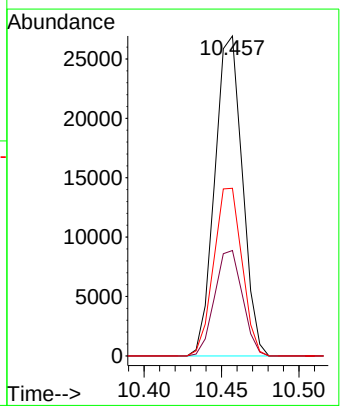


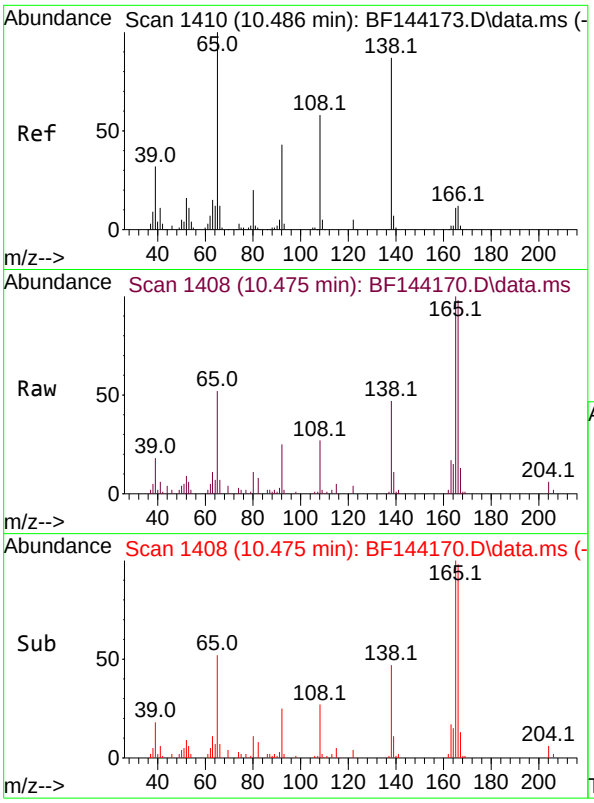


#61
4-Chlorophenyl-phenylether
Concen: 5.401 ng
RT: 10.457 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:204 Resp: 33416

Ion	Ratio	Lower	Upper
204	100		
206	32.9	27.4	41.2
141	52.4	40.0	60.0





#62
4-Nitroaniline
Concen: 4.895 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:138 Resp: 1284

Ion	Ratio	Lower	Upper
138	100		
92	52.6	29.4	69.4
108	56.2	46.4	86.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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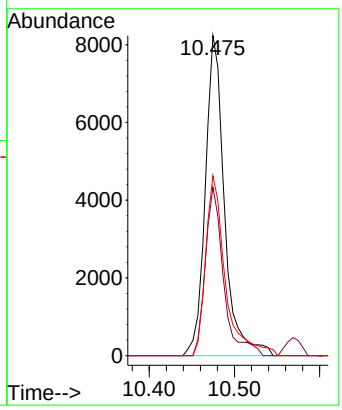
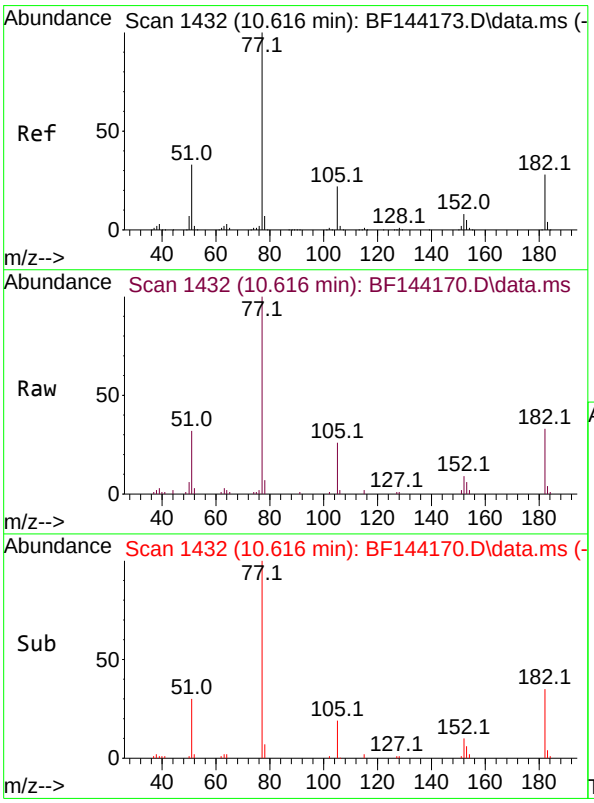
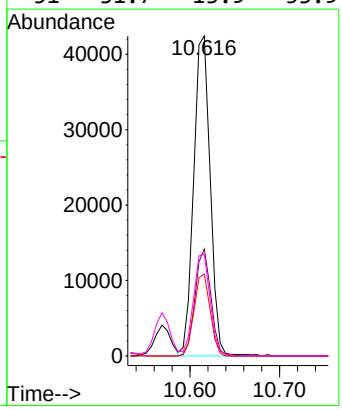


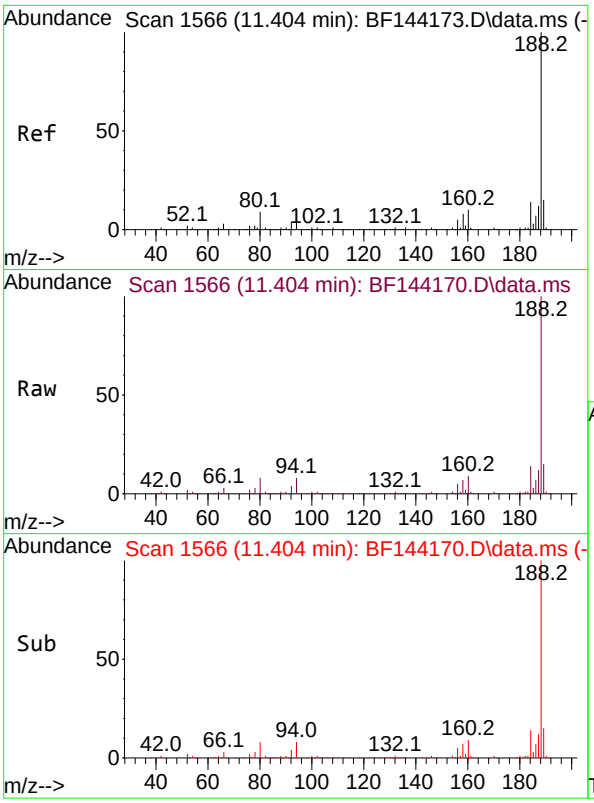


#63
Azobenzene
Concen: 5.089 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 77 Resp: 54383

Ion	Ratio	Lower	Upper
77	100		
182	33.4	8.1	48.1
105	25.6	2.0	42.0
51	31.7	13.9	53.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:188 Resp: 32656

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.2	9.2
80	8.3	6.9	10.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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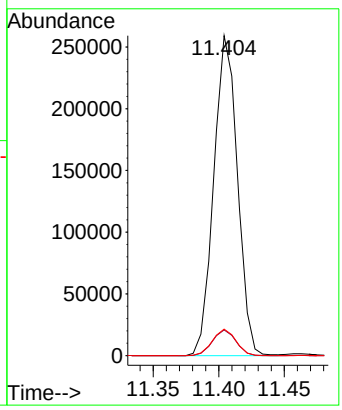
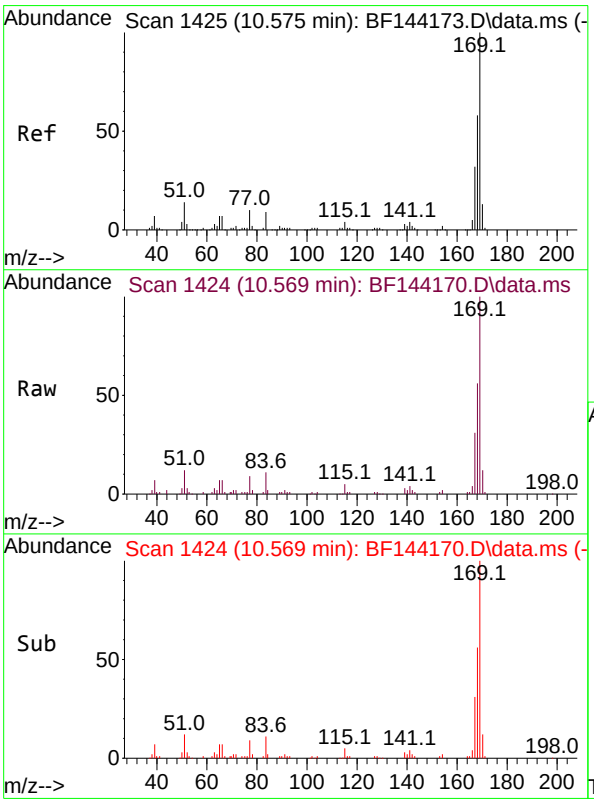
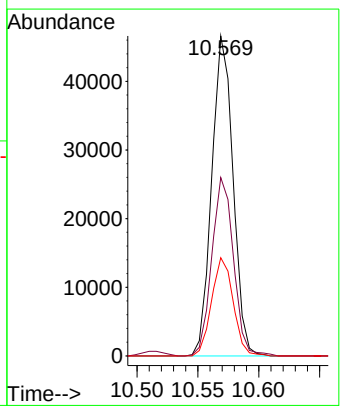


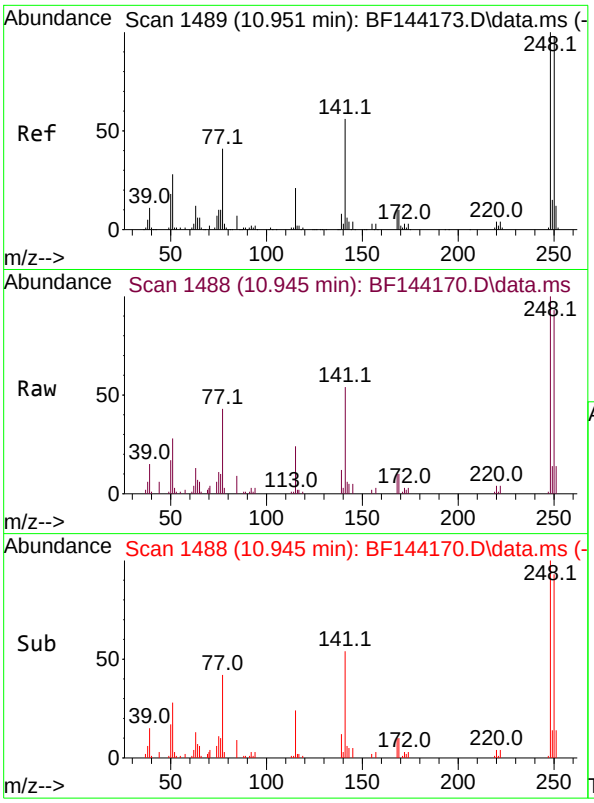


#66
n-Nitrosodiphenylamine
Concen: 5.401 ng
RT: 10.569 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:169 Resp: 56733

Ion	Ratio	Lower	Upper
169	100		
168	55.7	46.2	69.2
167	30.7	25.7	38.5





#67
4-Bromophenyl-phenylether
Concen: 5.169 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:248 Resp: 2154

Ion	Ratio	Lower	Upper
248	100		
250	92.8	78.4	117.6
141	54.2	45.1	67.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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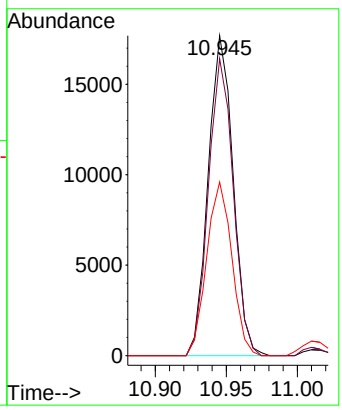
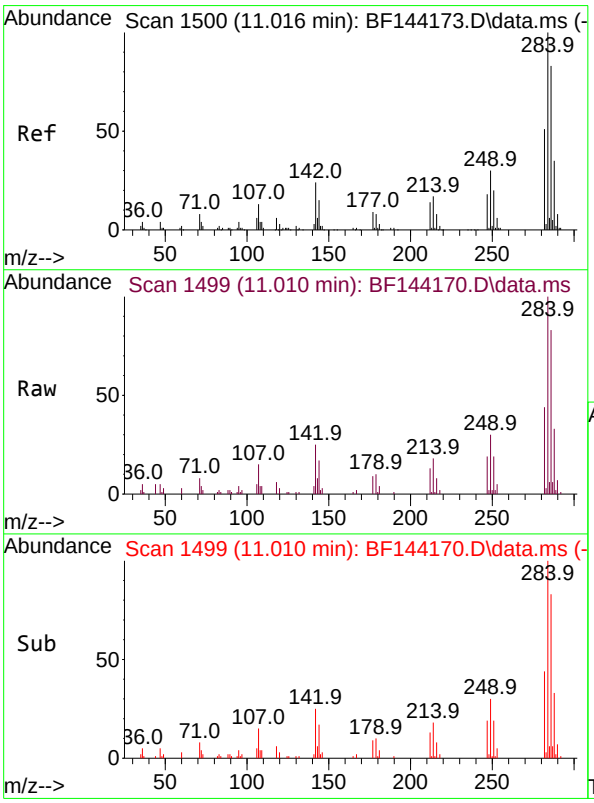
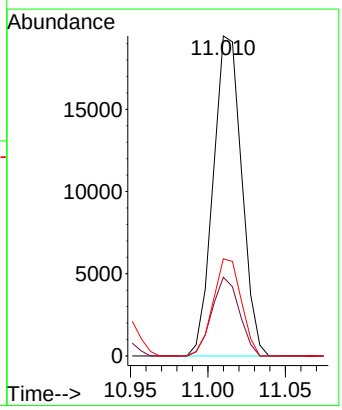


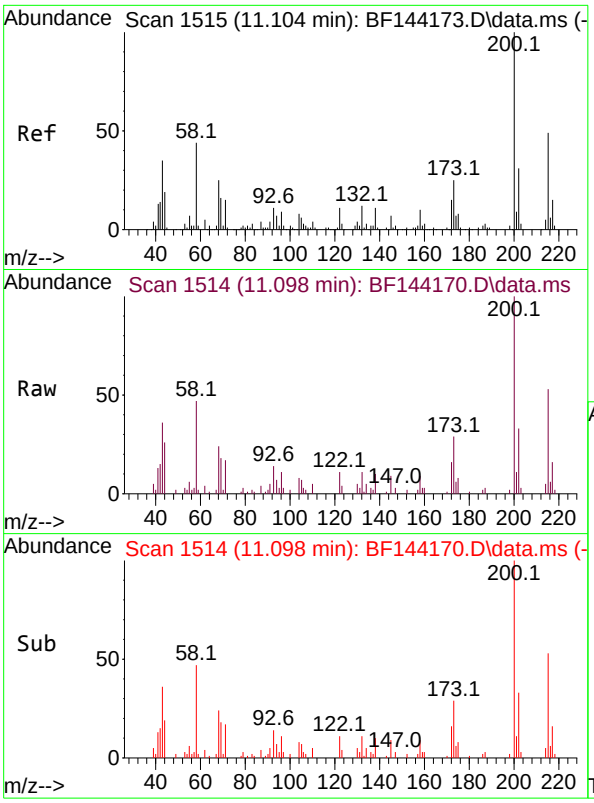


#68
Hexachlorobenzene
Concen: 5.082 ng
RT: 11.010 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:284 Resp: 24951

Ion	Ratio	Lower	Upper
284	100		
142	24.6	19.2	28.8
249	30.3	23.8	35.8





#69
Atrazine
Concen: 5.253 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:200 Resp: 1754

Ion	Ratio	Lower	Upper
200	100		
173	29.3	5.0	45.0
215	53.3	28.7	68.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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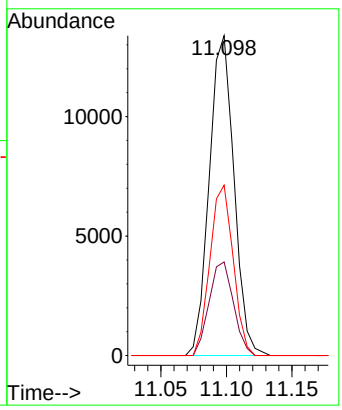
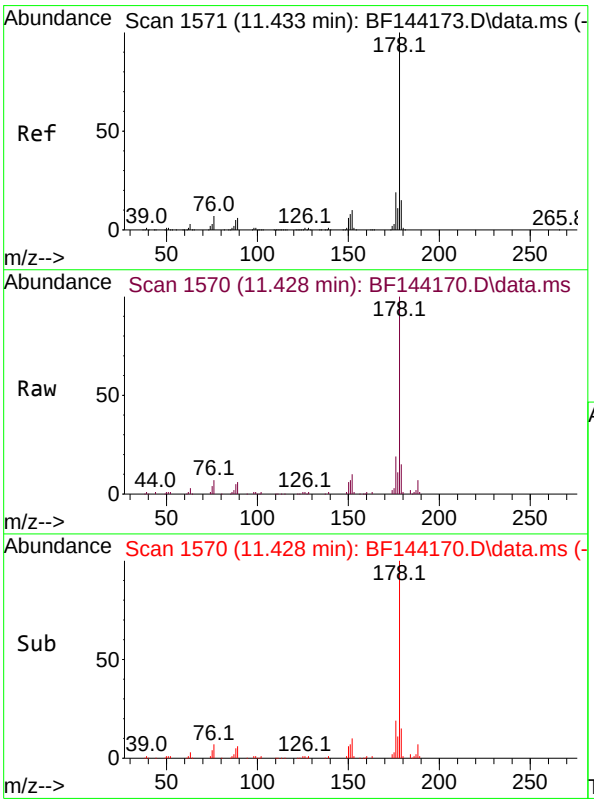
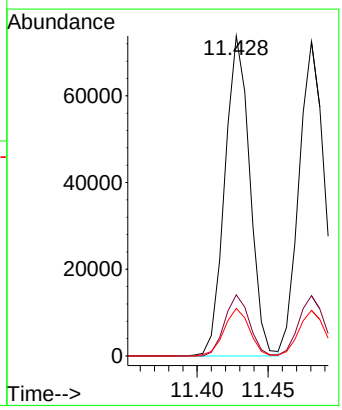


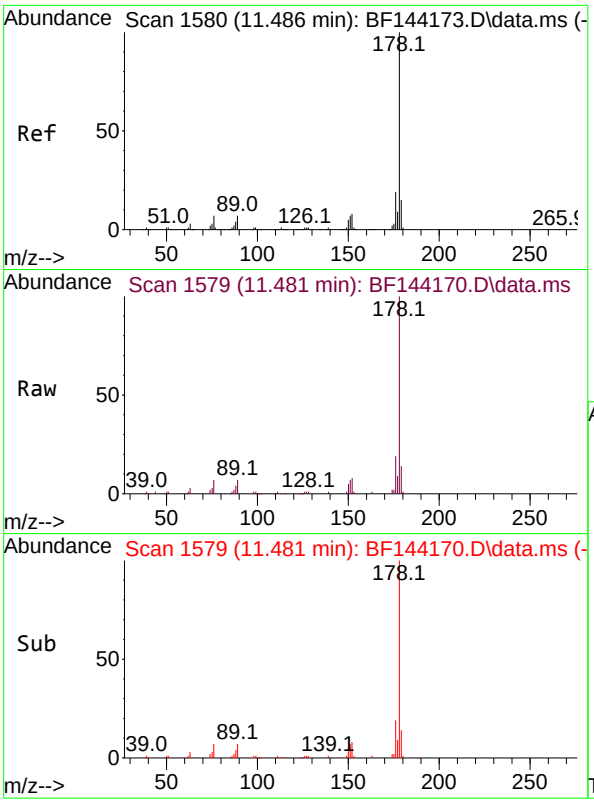


#71
Phenanthrene
Concen: 5.537 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:178 Resp: 90035

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	14.8	12.2	18.4





#72
Anthracene
Concen: 5.529 ng
RT: 11.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:178 Resp: 9141

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	14.5	12.0	18.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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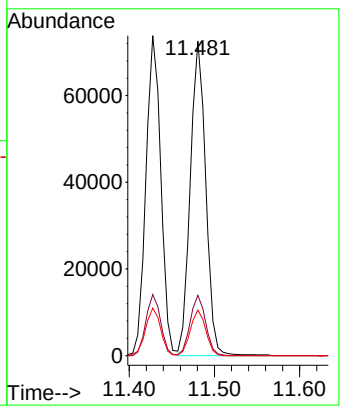
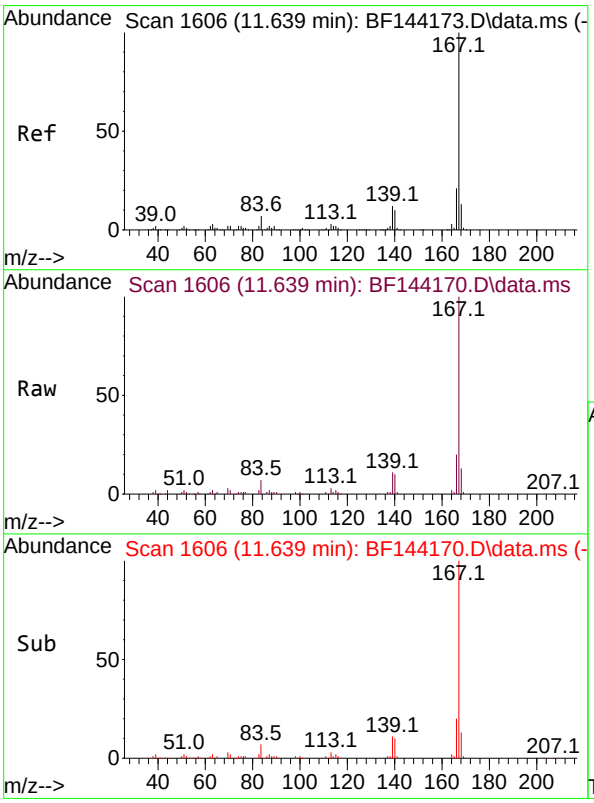
Supervised By :Jagrut Upadhyay 11/06/2025

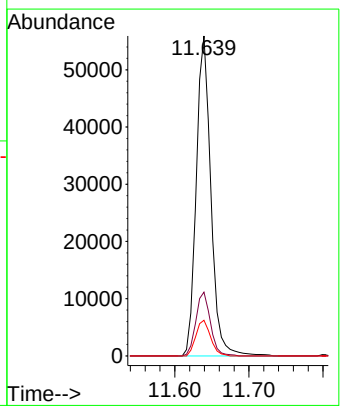


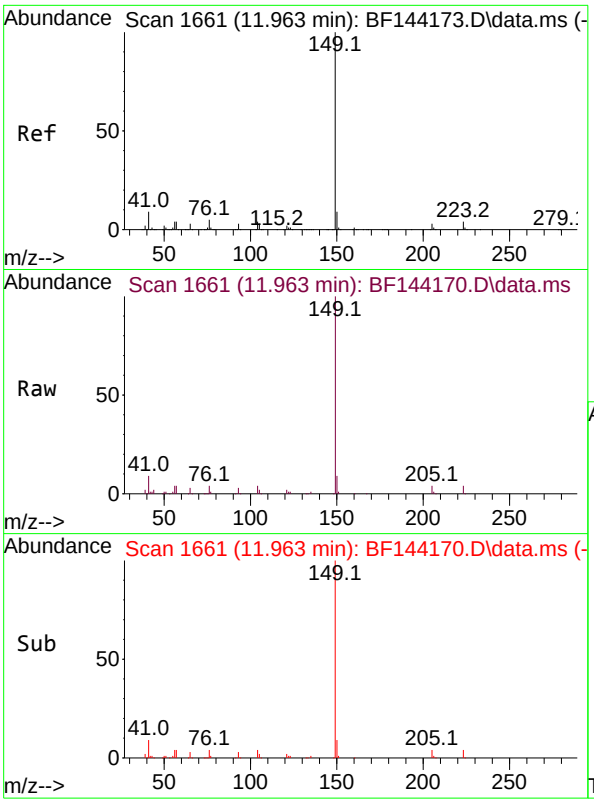


#73
Carbazole
Concen: 5.449 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:167 Resp: 76605

Ion	Ratio	Lower	Upper
167	100		
166	19.9	17.2	25.8
139	11.1	9.9	14.9





#74
Di-n-butylphthalate
Concen: 5.163 ng
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

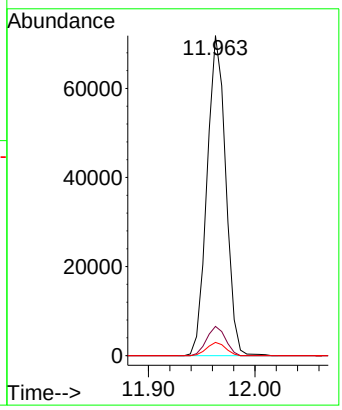
Tgt Ion:149 Resp: 8775

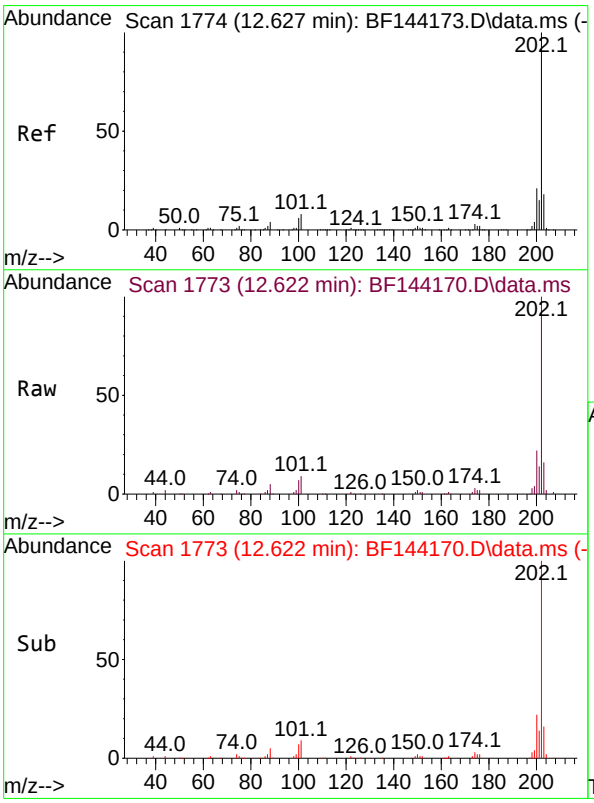
Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.1	3.4	5.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

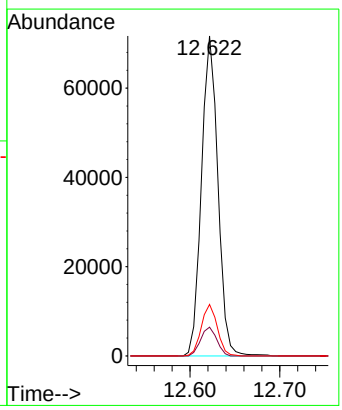


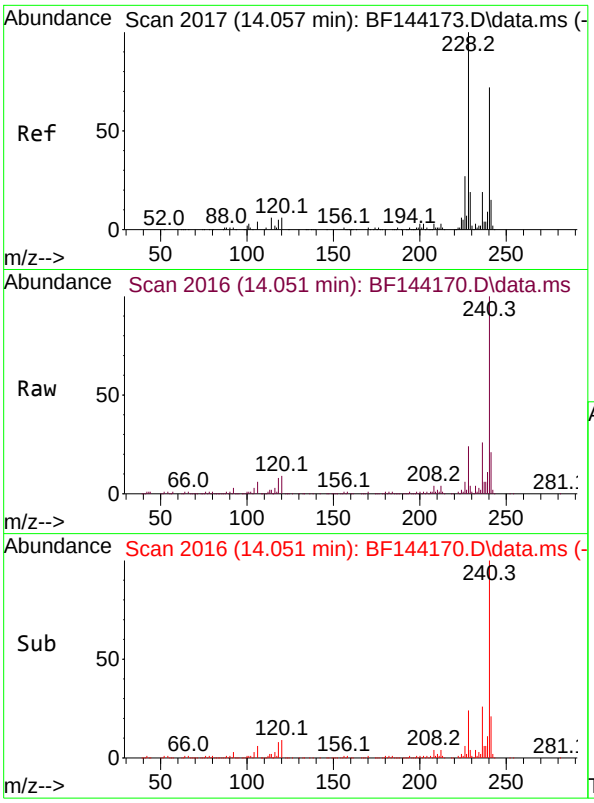


#75
Fluoranthene
Concen: 5.430 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:202 Resp: 91198

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	27.9
203	16.1	0.0	37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:240 Resp: 21570

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.6	10.0
236	25.9	21.4	32.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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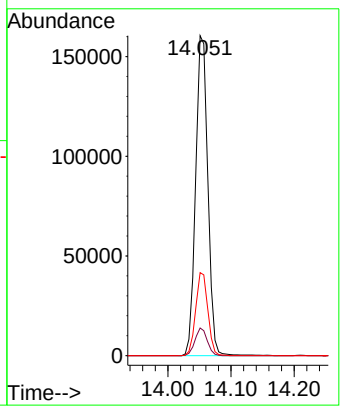
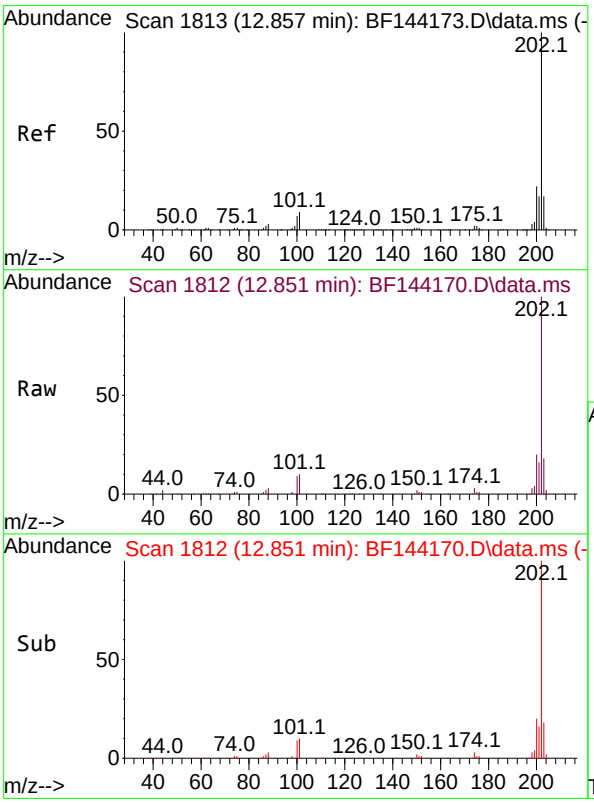
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

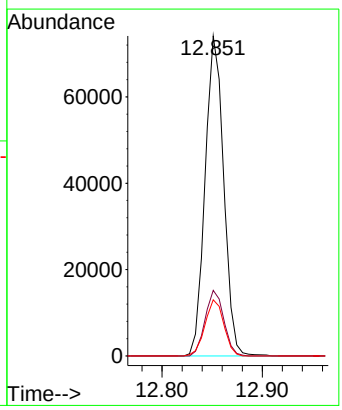


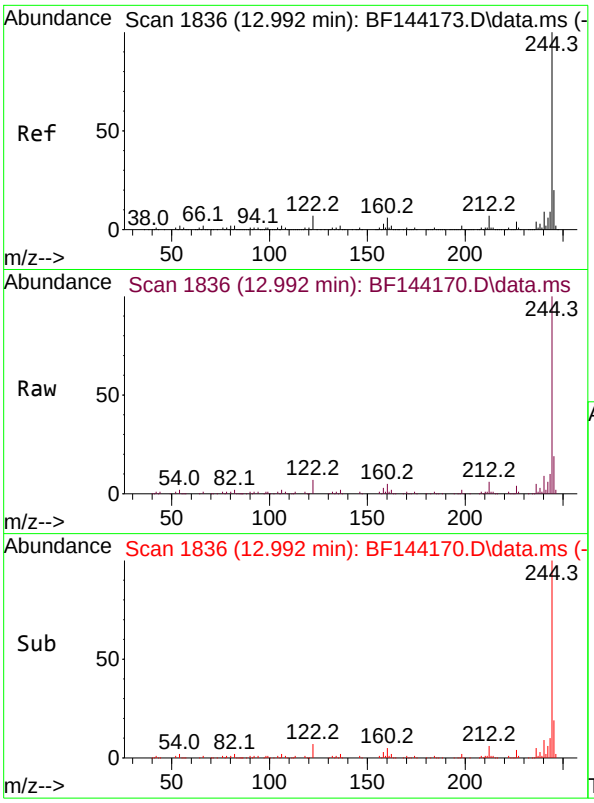


#78
Pyrene
Concen: 5.465 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:202 Resp: 95053

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.2	25.8
203	17.5	13.7	20.5





#79
Terphenyl-d14
Concen: 11.145 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

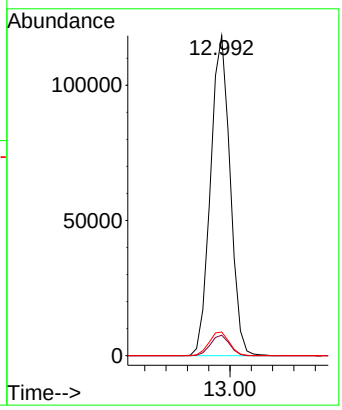
Tgt Ion:244 Resp: 15134

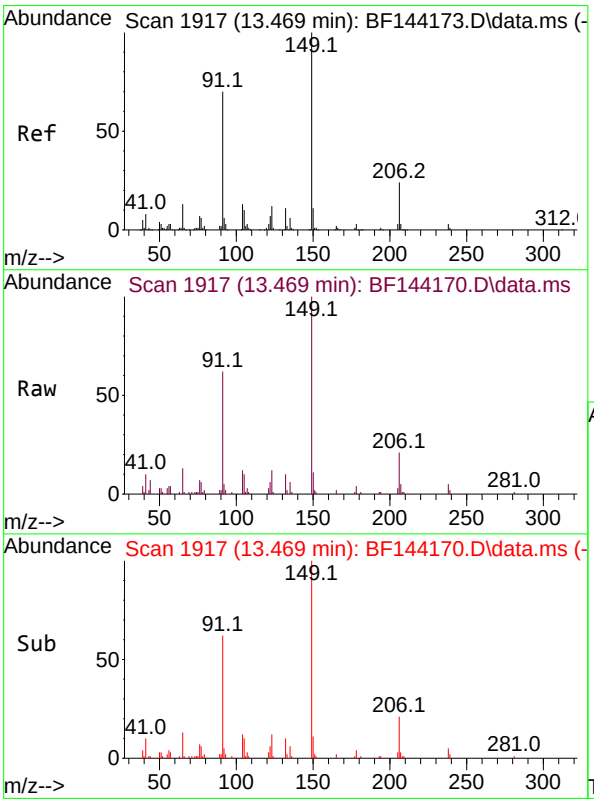
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	7.4	5.6	8.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

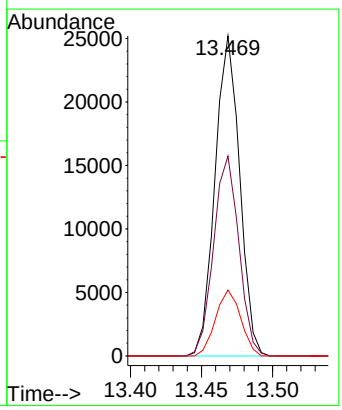


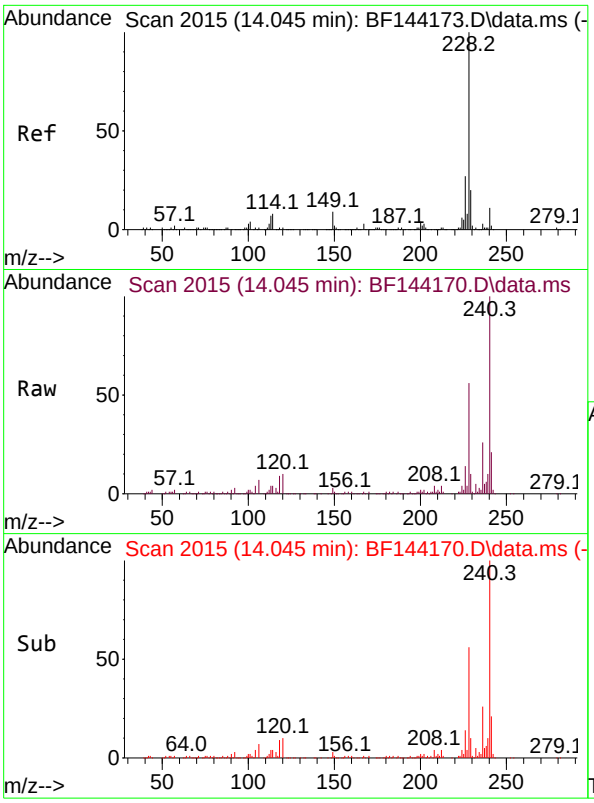


#80
Butylbenzylphthalate
Concen: 5.056 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:149 Resp: 30478

Ion	Ratio	Lower	Upper
149	100		
91	62.4	56.1	84.1
206	20.6	18.8	28.2





#81
Benzo(a)anthracene
Concen: 5.249 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:228 Resp: 7847

Ion	Ratio	Lower	Upper
228	100		
226	25.0	21.8	32.8
229	18.0	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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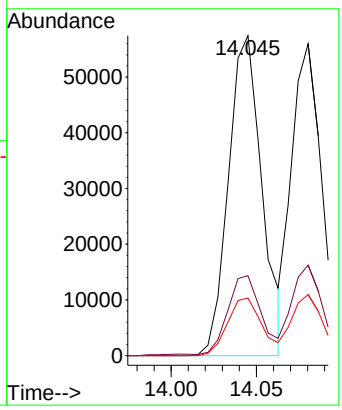
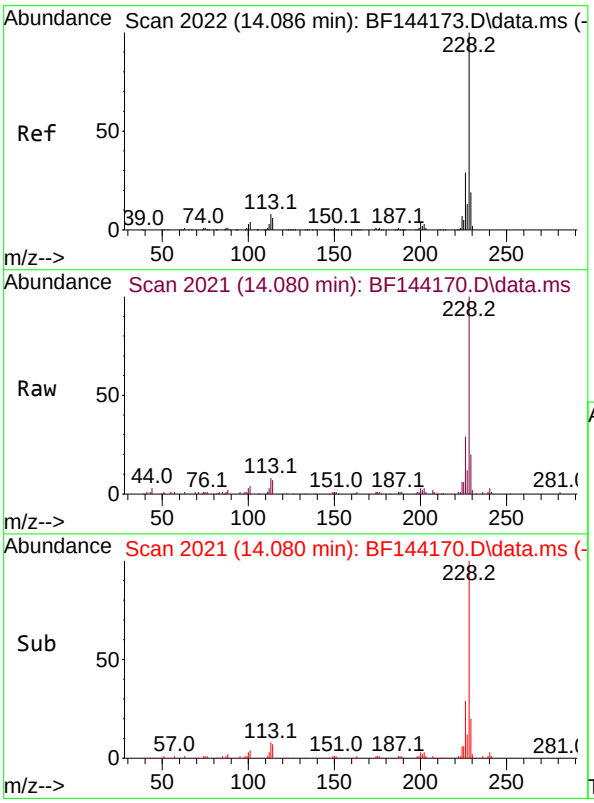
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

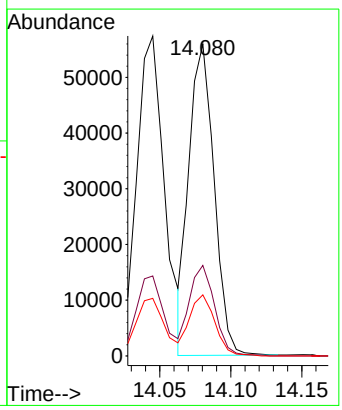


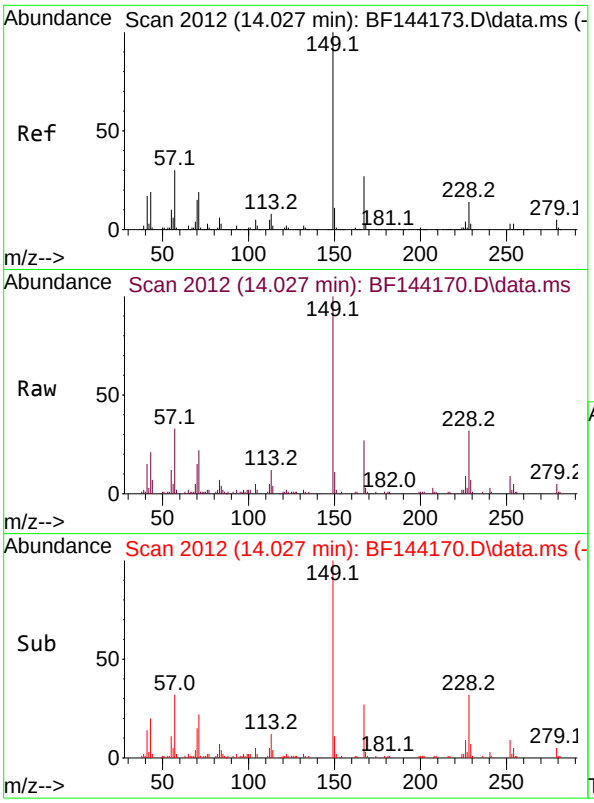


#83
Chrysene
Concen: 4.986 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:228 Resp: 68808

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.9	34.3
229	19.6	15.0	22.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.054 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

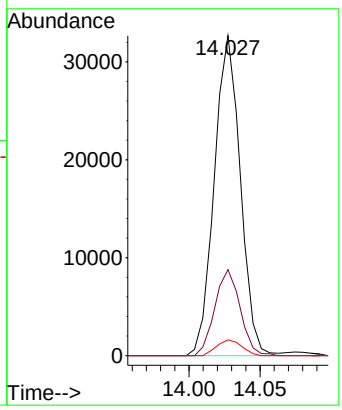
Tgt Ion:149 Resp: 4170

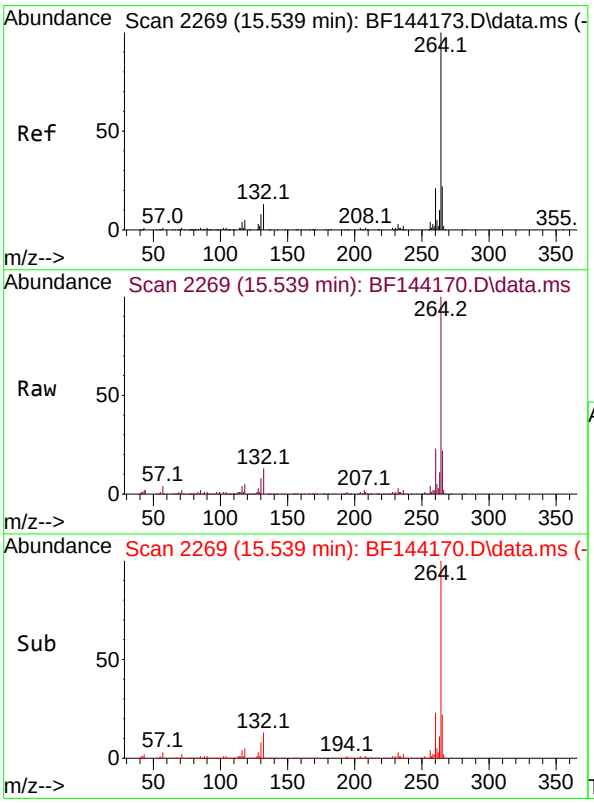
Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.8
279	4.9	3.7	5.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

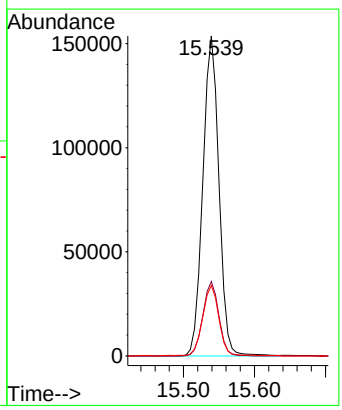


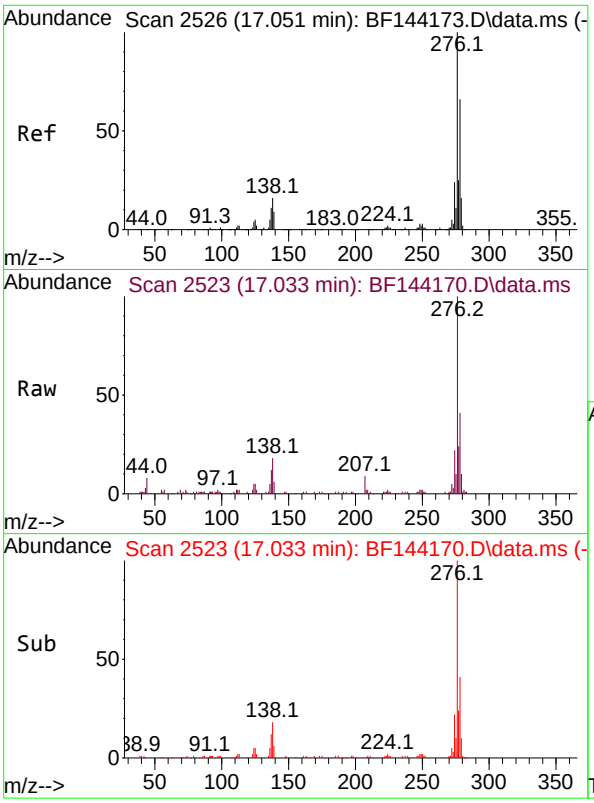


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:264 Resp: 241361

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.1	25.7
265	22.0	17.4	26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.049 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

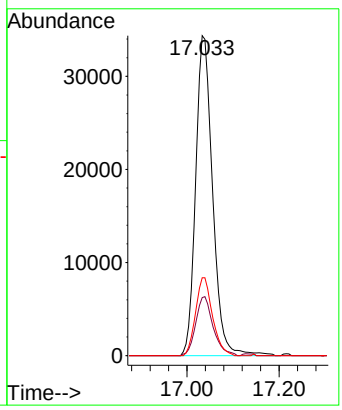
Tgt Ion:276 Resp: 8748

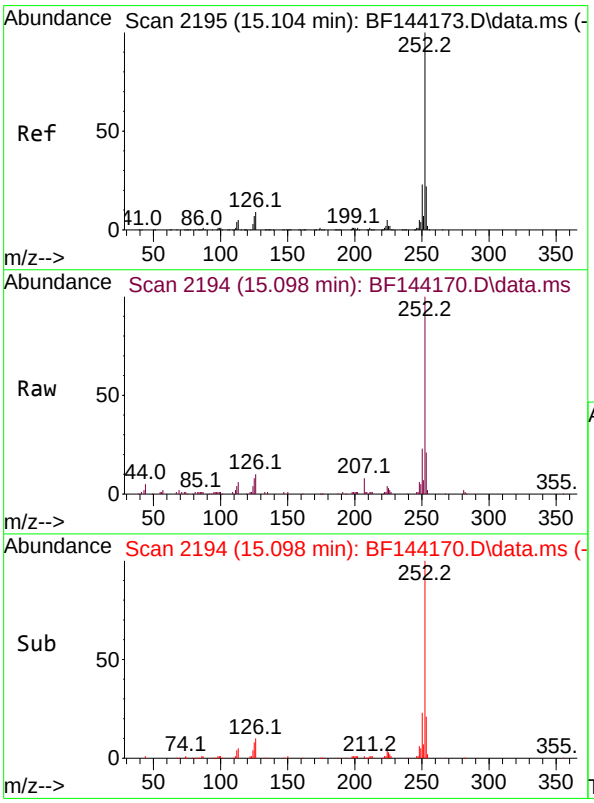
Ion	Ratio	Lower	Upper
276	100		
138	18.9	13.9	20.9
277	24.2	19.8	29.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

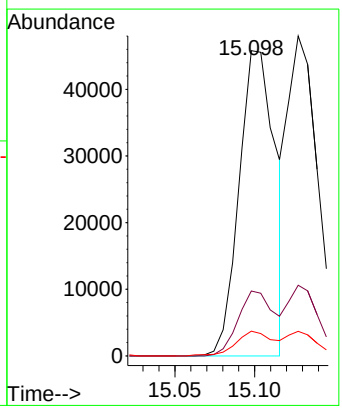


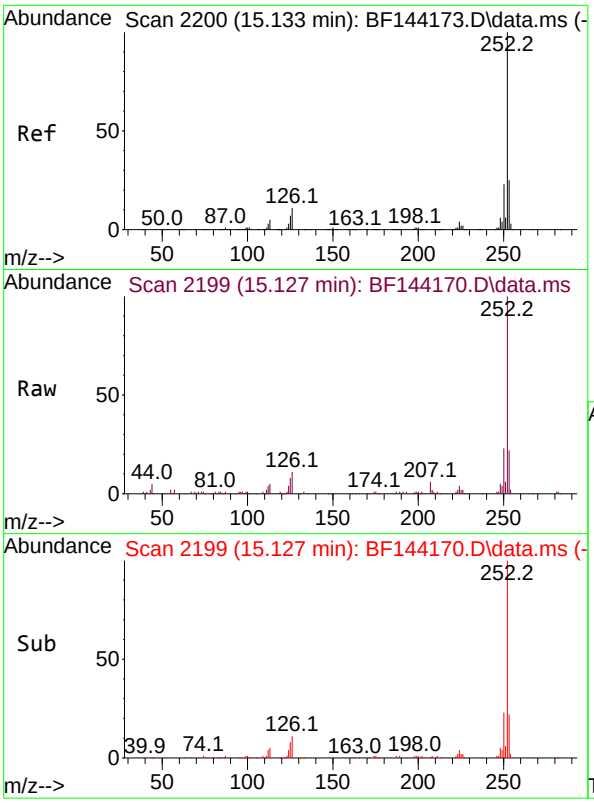


#88
Benzo(b)fluoranthene
Concen: 5.273 ng m
RT: 15.098 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:252 Resp: 72360

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	8.1	5.3	7.9#





#89
Benzo(k)fluoranthene
Concen: 5.060 ng
RT: 15.127 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

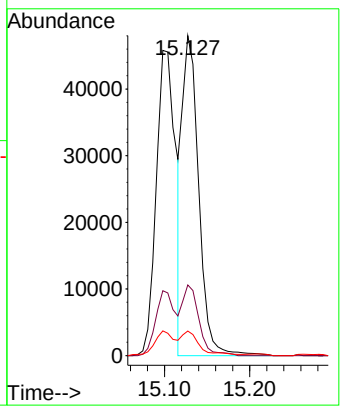
Tgt Ion:252 Resp: 6498

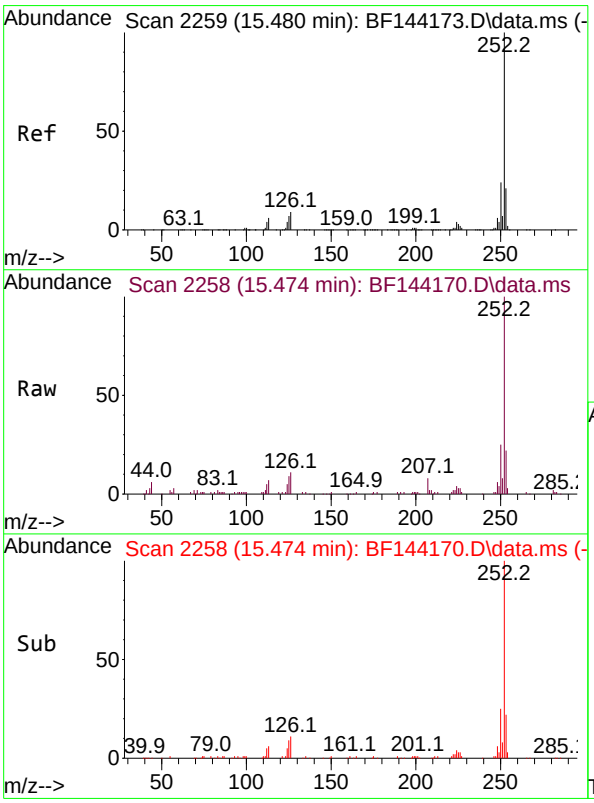
Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	7.7	5.4	8.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

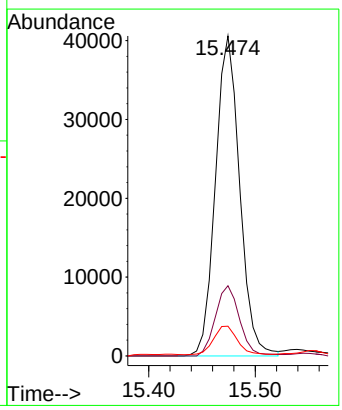


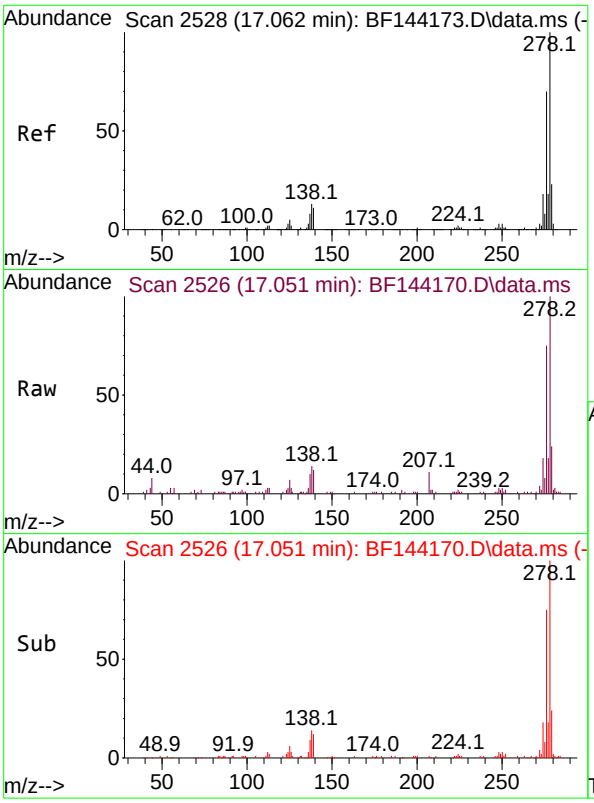


#90
Benzo(a)pyrene
Concen: 5.071 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:252 Resp: 64190

Ion	Ratio	Lower	Upper
252	100		
253	21.9	16.7	25.1
125	9.3	5.7	8.5#





#91
Dibenzo(a,h)anthracene
Concen: 5.010 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:278 Resp: 6971

Ion	Ratio	Lower	Upper
278	100		
139	11.7	9.1	13.7
279	23.9	18.2	27.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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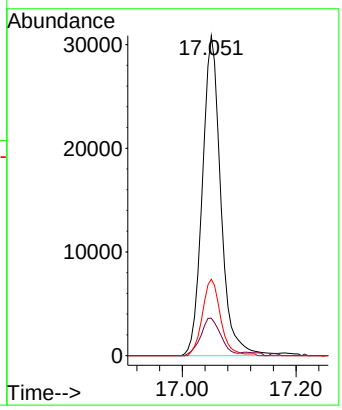
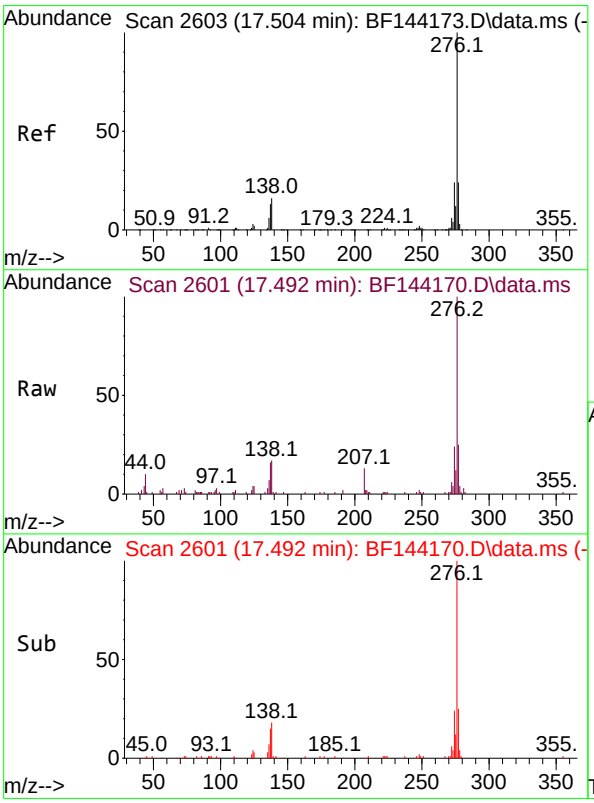
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

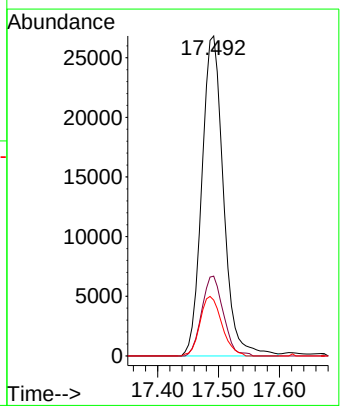




#92
Benzo(g,h,i)perylene
Concen: 4.810 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.029 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:276 Resp: 66099

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	17.4	12.9	19.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144171.D
Acq On : 05 Nov 2025 13:50
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 17:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.875	152	112609	20.000 ng	0.00
21) Naphthalene-d8	8.157	136	438512	20.000 ng	0.00
39) Acenaphthene-d10	9.916	164	261107	20.000 ng	0.00
64) Phenanthrene-d10	11.404	188	469428	20.000 ng	0.00
76) Chrysene-d12	14.057	240	296506	20.000 ng	0.00
86) Perylene-d12	15.539	264	311371	20.000 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	5.487	112	146731	20.391 ng	0.00
7) Phenol-d6	6.498	99	170929	20.963 ng	-0.01
23) Nitrobenzene-d5	7.434	82	154488	20.347 ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	66981	20.442 ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	372845	21.090 ng	-0.01
79) Terphenyl-d14	12.992	244	419548	22.476 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.616	88	27411	9.214 ng	97
3) Pyridine	3.393	79	79148	9.536 ng	99
4) n-Nitrosodimethylamine	3.322	42	40456	9.331 ng	95
6) Aniline	6.534	93	122118	10.512 ng	98
8) 2-Chlorophenol	6.657	128	73729	10.448 ng	99
9) Benzaldehyde	6.422	77	58146	12.629 ng	98
10) Phenol	6.510	94	106765	10.717 ng	96
11) bis(2-Chloroethyl)ether	6.604	93	75075	10.342 ng	98
12) 1,3-Dichlorobenzene	6.816	146	88594	10.174 ng	98
13) 1,4-Dichlorobenzene	6.893	146	87984	10.085 ng	96
14) 1,2-Dichlorobenzene	7.045	146	84997	10.165 ng	98
15) Benzyl Alcohol	7.010	79	64160	9.937 ng	97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	139062	10.403 ng	97
17) 2-Methylphenol	7.122	107	59368	10.575 ng	98
18) Hexachloroethane	7.387	117	28876	9.963 ng	97
19) n-Nitroso-di-n-propyla...	7.275	70	57621	10.735 ng	98
20) 3+4-Methylphenols	7.275	107	74874	11.314 ng	96
22) Acetophenone	7.281	105	101777	10.819 ng	97
24) Nitrobenzene	7.451	77	85567	10.380 ng	98
25) Isophorone	7.692	82	146541	10.204 ng	98
26) 2-Nitrophenol	7.769	139	41083	10.067 ng	97
27) 2,4-Dimethylphenol	7.804	122	60896	9.956 ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	91497	10.202 ng	95
29) 2,4-Dichlorophenol	8.016	162	75032	10.643 ng	97
30) 1,2,4-Trichlorobenzene	8.098	180	76623	10.585 ng	94
31) Naphthalene	8.181	128	220903	10.590 ng	99
32) Benzoic acid	7.910	122	58822	13.120 ng	92
33) 4-Chloroaniline	8.228	127	79703	10.476 ng	97
34) Hexachlorobutadiene	8.292	225	54849	10.054 ng	96
35) Caprolactam	8.575	113	20560	10.645 ng	99
36) 4-Chloro-3-methylphenol	8.704	107	67228	10.641 ng	96
37) 2-Methylnaphthalene	8.869	142	147427	10.571 ng	99
38) 1-Methylnaphthalene	8.969	142	149280	11.093 ng	97
40) 1,2,4,5-Tetrachloroben...	9.034	216	86408	10.098 ng	99
41) Hexachlorocyclopentadiene	9.022	237	15765	10.609 ng	93
43) 2,4,6-Trichlorophenol	9.145	196	58560	10.054 ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144171.D
Acq On : 05 Nov 2025 13:50
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 17:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	63779	10.160 ng		98
46) 1,1'-Biphenyl	9.334	154	188739	10.355 ng		99
47) 2-Chloronaphthalene	9.357	162	158745	10.211 ng		100
48) 2-Nitroaniline	9.457	65	45323	10.104 ng		97
49) Acenaphthylene	9.775	152	220118	10.390 ng		99
50) Dimethylphthalate	9.628	163	175284	10.133 ng		99
51) 2,6-Dinitrotoluene	9.692	165	35433	10.119 ng		98
52) Acenaphthene	9.945	154	151661	10.705 ng		99
53) 3-Nitroaniline	9.863	138	39270	10.259 ng		99
54) 2,4-Dinitrophenol	9.981	184	26319	12.447 ng		97
55) Dibenzofuran	10.122	168	208943	10.530 ng		99
56) 4-Nitrophenol	10.028	139	35627	12.867 ng		98
57) 2,4-Dinitrotoluene	10.098	165	49257	10.508 ng	#	98
58) Fluorene	10.463	166	159623	10.581 ng		98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	45333	10.207 ng		97
60) Diethylphthalate	10.328	149	166246	10.426 ng		98
61) 4-Chlorophenyl-phenyle...	10.457	204	91478	10.645 ng		99
62) 4-Nitroaniline	10.475	138	37821	10.375 ng		98
63) Azobenzene	10.616	77	157098	10.586 ng		96
65) 4,6-Dinitro-2-methylph...	10.510	198	34516	10.823 ng		99
66) n-Nitrosodiphenylamine	10.569	169	158661	10.509 ng		98
67) 4-Bromophenyl-phenylether	10.945	248	60929	10.169 ng		96
68) Hexachlorobenzene	11.016	284	71759	10.168 ng		94
69) Atrazine	11.098	200	49466	10.302 ng		97
70) Pentachlorophenol	11.210	266	31673	9.012 ng		97
71) Phenanthrene	11.428	178	244478	10.460 ng		99
72) Anthracene	11.480	178	248511	10.457 ng		99
73) Carbazole	11.639	167	215269	10.652 ng		98
74) Di-n-butylphthalate	11.963	149	258464	10.580 ng		99
75) Fluoranthene	12.622	202	250112	10.359 ng		99
77) Benzidine	12.745	184	104876	11.958 ng		99
78) Pyrene	12.851	202	258743	10.823 ng		99
80) Butylbenzylphthalate	13.469	149	87462	10.556 ng		96
81) Benzo(a)anthracene	14.045	228	198590	9.664 ng		100
82) 3,3'-Dichlorobenzidine	14.010	252	67166	9.535 ng		97
83) Chrysene	14.080	228	184604	9.731 ng		98
84) Bis(2-ethylhexyl)phtha...	14.027	149	109593	9.662 ng		98
85) Di-n-octyl phthalate	14.645	149	172428	8.811 ng		99
87) Indeno(1,2,3-cd)pyrene	17.039	276	219736	9.831 ng		99
88) Benzo(b)fluoranthene	15.104	252	176369	9.963 ng		99
89) Benzo(k)fluoranthene	15.133	252	170386	10.283 ng		98
90) Benzo(a)pyrene	15.474	252	163529	10.013 ng		97
91) Dibenzo(a,h)anthracene	17.051	278	179793	10.016 ng		98
92) Benzo(g,h,i)perylene	17.492	276	175090	9.877 ng		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

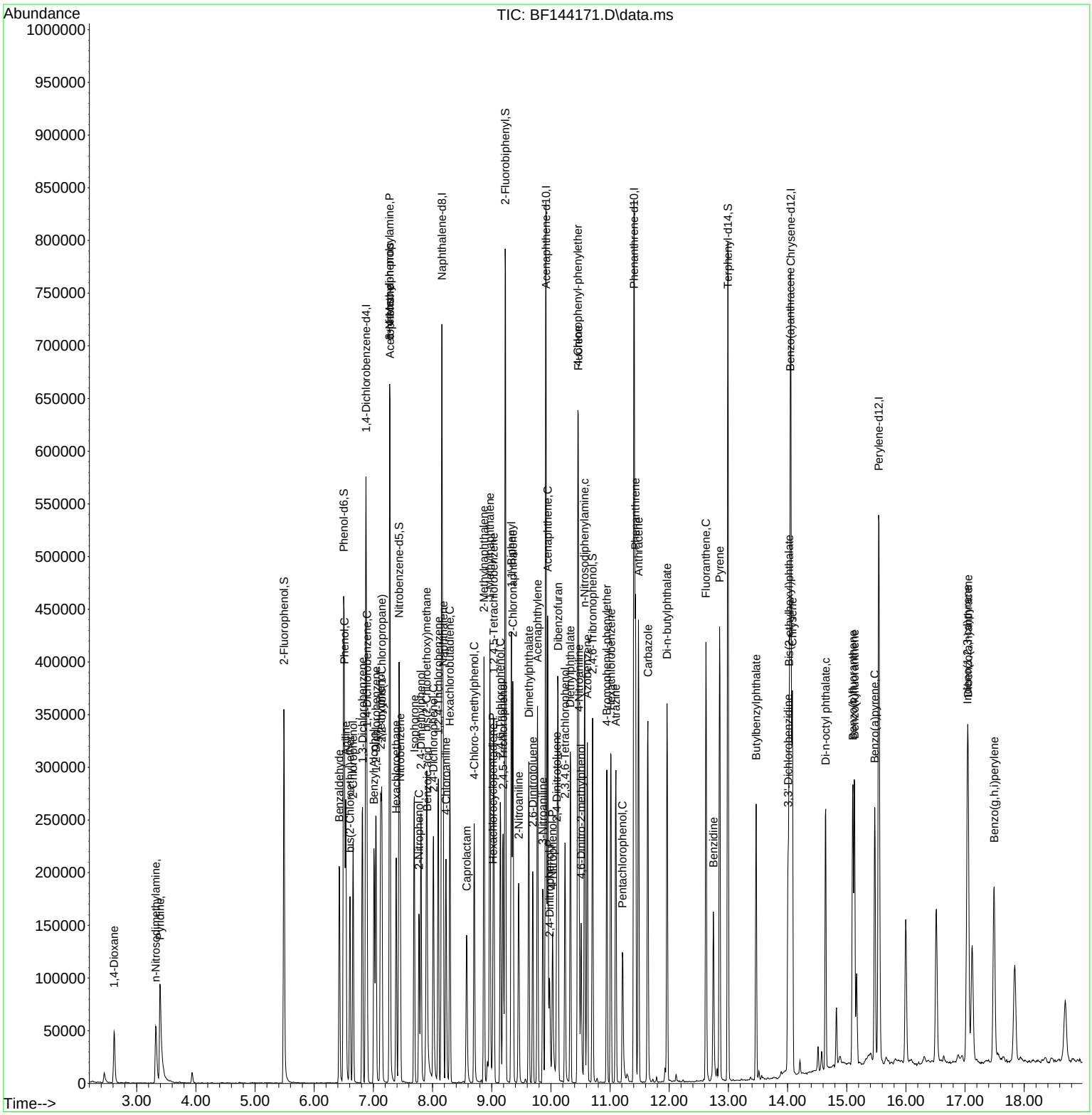
Quantitation Report (QT Reviewed)

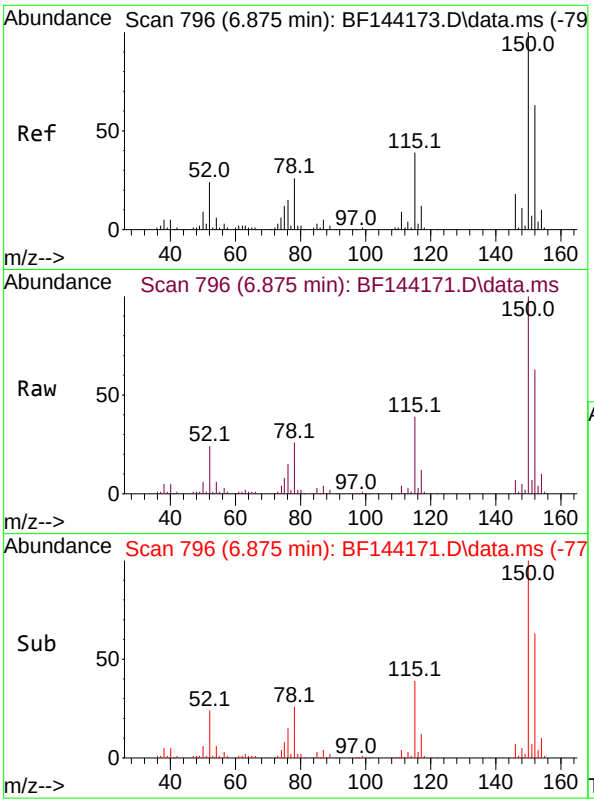
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144171.D
Acq On : 05 Nov 2025 13:50
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 17:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



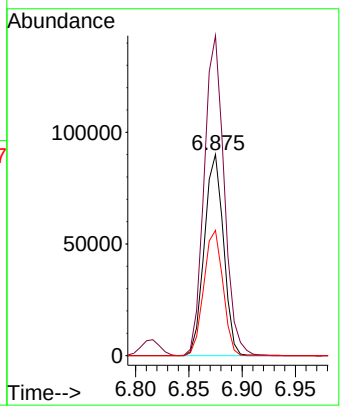


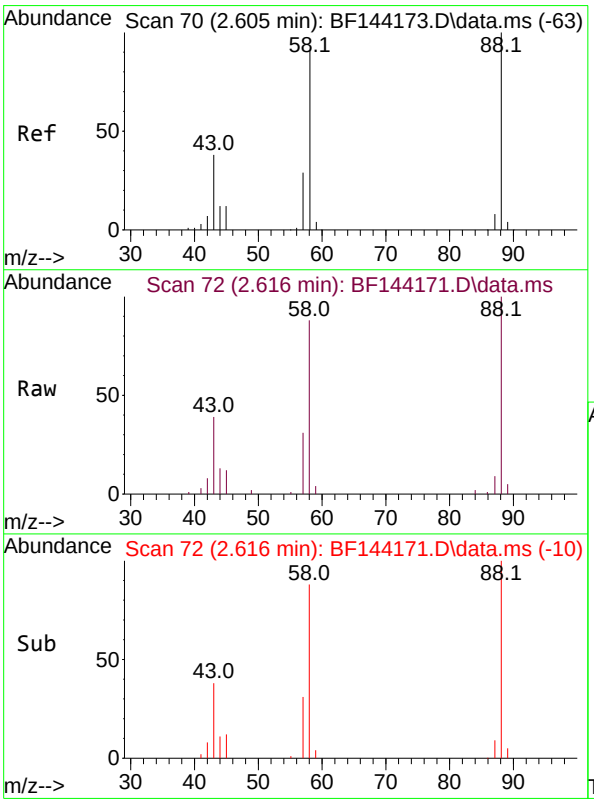
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 112609

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.4	191.0
115	62.3	49.5	74.3

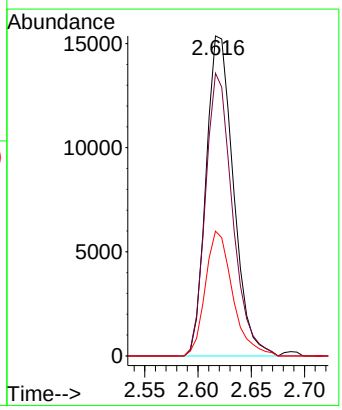


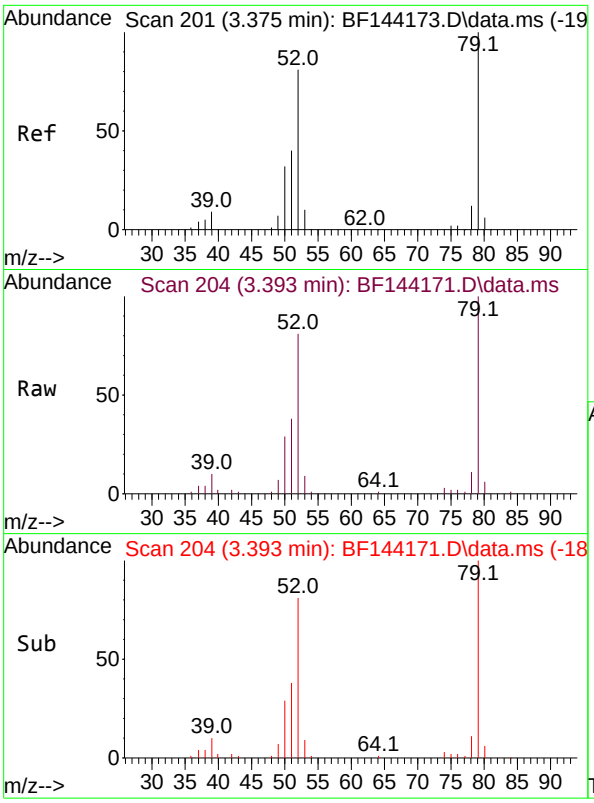


#2
1,4-Dioxane
Concen: 9.214 ng
RT: 2.616 min Scan# 72
Delta R.T. 0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 88 Resp: 27411

Ion	Ratio	Lower	Upper
88	100		
58	87.1	73.1	109.7
43	38.9	31.0	46.6



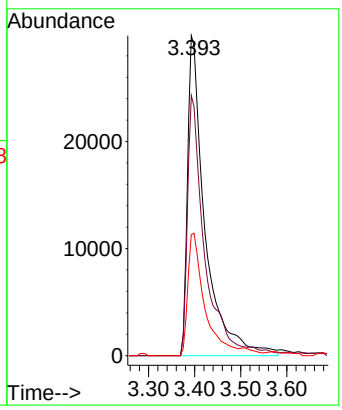


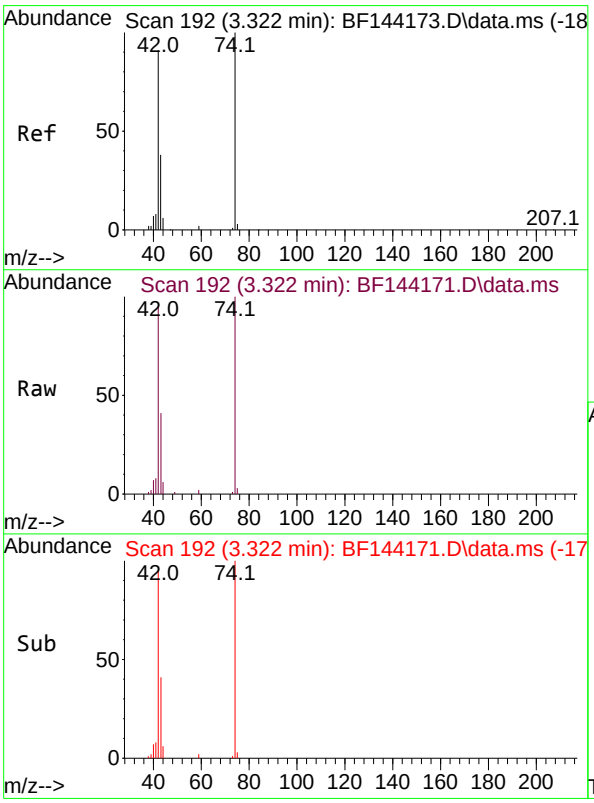
#3
Pyridine
Concen: 9.536 ng
RT: 3.393 min Scan# 2(
Delta R.T. 0.018 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 79148

Ion	Ratio	Lower	Upper
79	100		
52	81.3	64.5	96.7
51	37.8	31.7	47.5

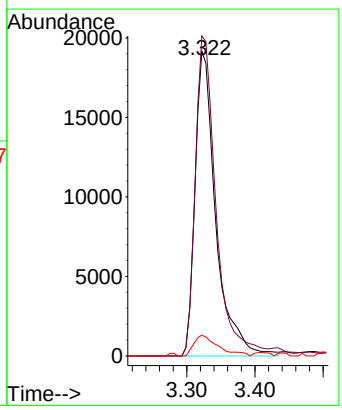


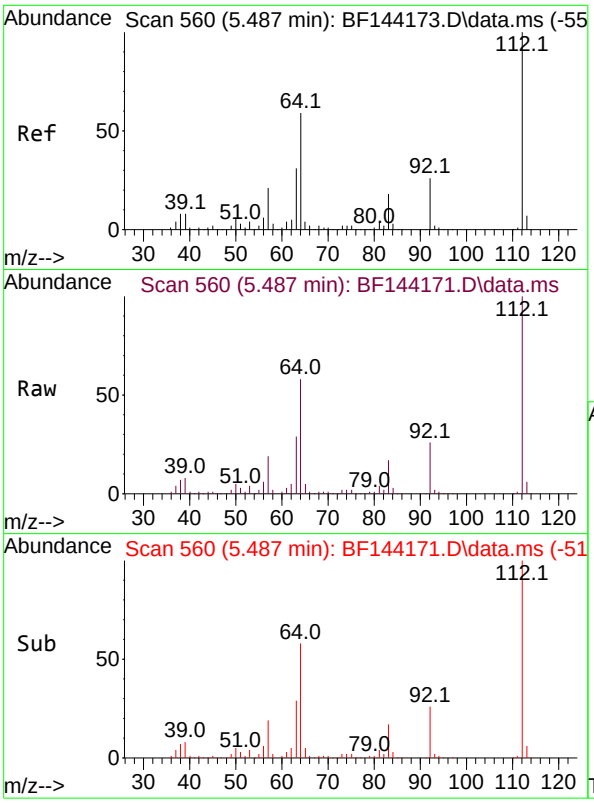


#4
n-Nitrosodimethylamine
Concen: 9.331 ng
RT: 3.322 min Scan# 192
Delta R.T. -0.023 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 42 Resp: 40456

Ion	Ratio	Lower	Upper
42	100		
74	105.1	88.2	132.4
44	6.8	5.7	8.5



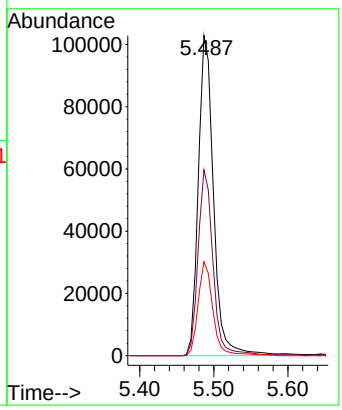


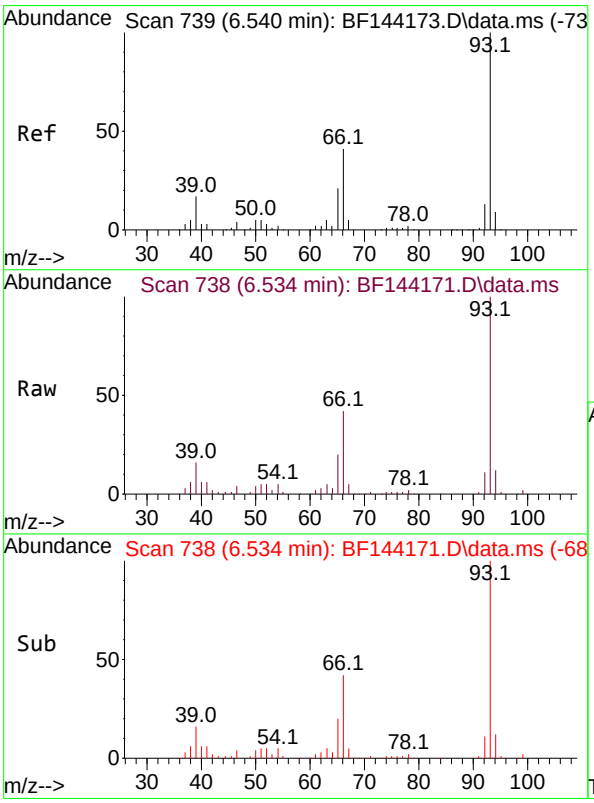
#5
2-Fluorophenol
Concen: 20.391 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 146731

Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.2	70.8
63	29.3	24.4	36.6

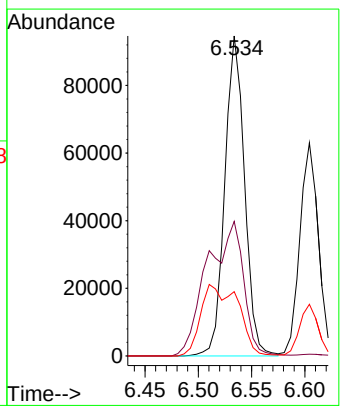


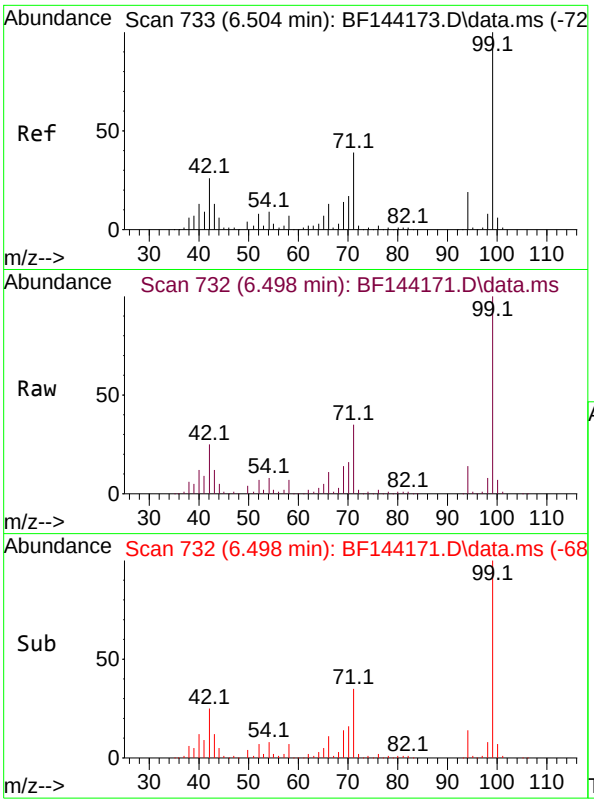


#6
Aniline
Concen: 10.512 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 93 Resp: 122118

Ion	Ratio	Lower	Upper
93	100		
66	42.0	34.3	51.5
65	20.1	16.9	25.3



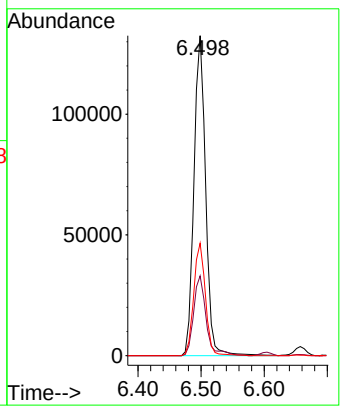


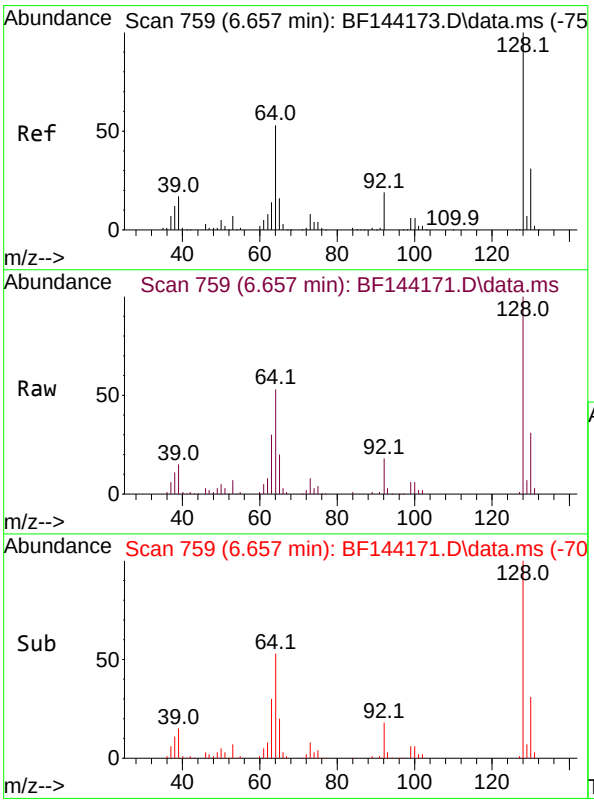
#7
Phenol-d6
Concen: 20.963 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 170929

Ion	Ratio	Lower	Upper
99	100		
42	24.9	20.9	31.3
71	35.1	31.4	47.2

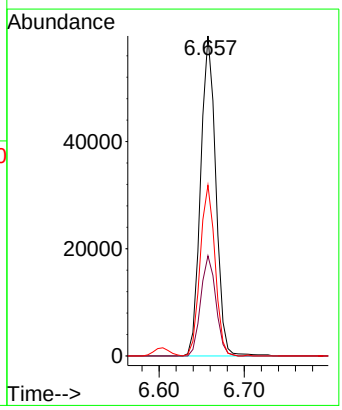


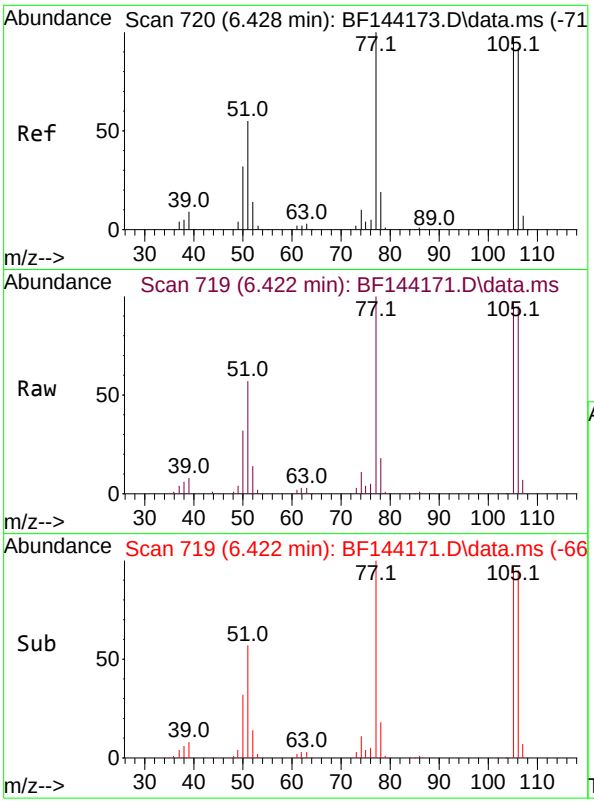


#8
2-Chlorophenol
Concen: 10.448 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:128 Resp: 73729

Ion	Ratio	Lower	Upper
128	100		
130	31.3	10.5	50.5
64	53.3	33.2	73.2



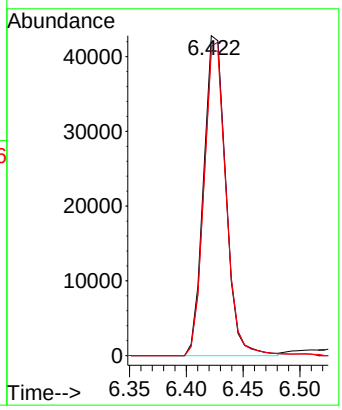


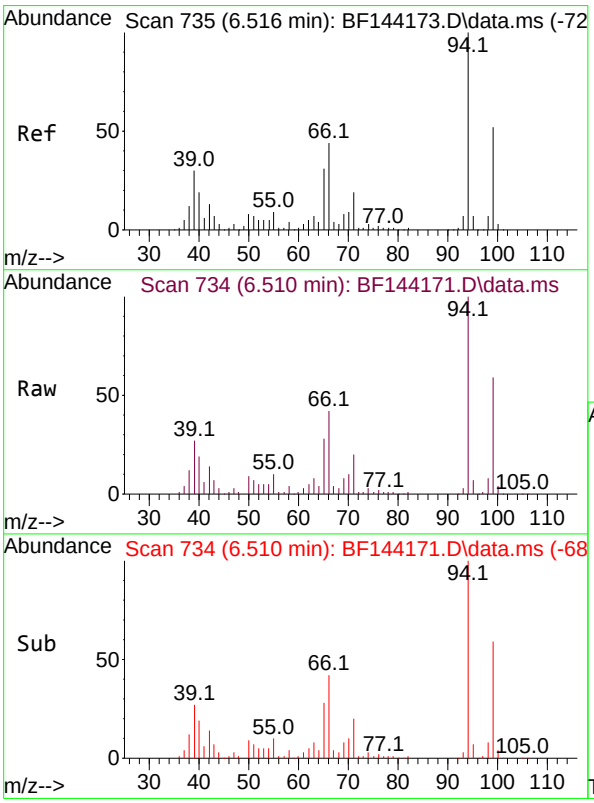
#9
Benzaldehyde
Concen: 12.629 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 58146

Ion	Ratio	Lower	Upper
77	100		
105	96.7	77.2	117.2
106	95.1	72.2	112.2

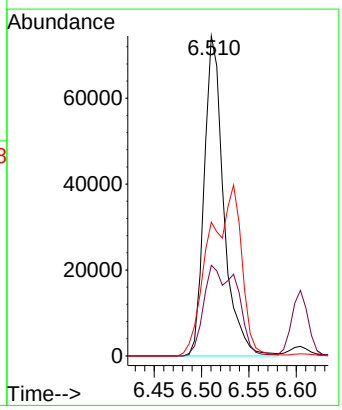


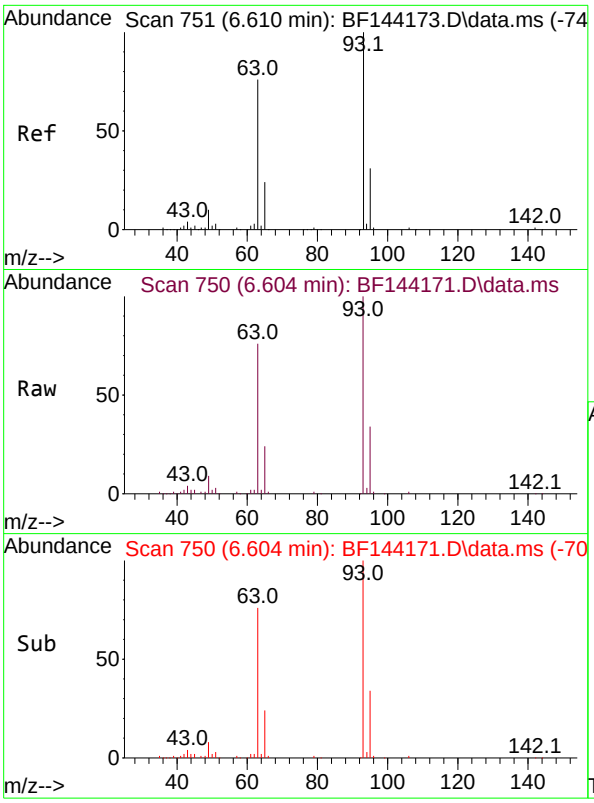


#10
Phenol
Concen: 10.717 ng
RT: 6.510 min Scan# 734
Delta R.T. -0.018 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 94 Resp: 106765

Ion	Ratio	Lower	Upper
94	100		
65	28.3	10.8	50.8
66	41.8	24.3	64.3



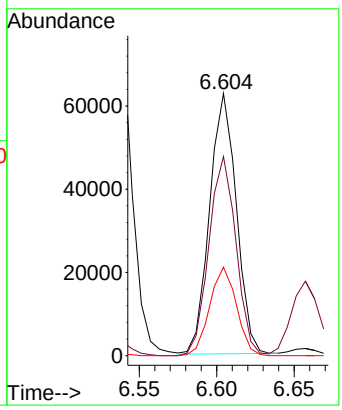


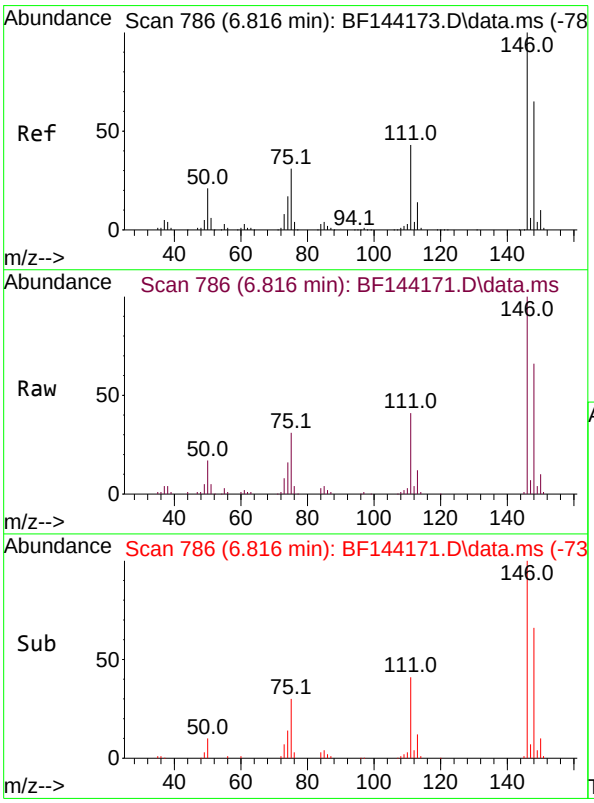
#11
bis(2-Chloroethyl)ether
Concen: 10.342 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 75075

Ion	Ratio	Lower	Upper
93	100		
63	75.9	55.2	95.2
95	33.7	11.2	51.2

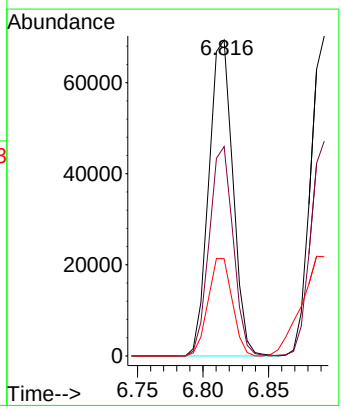


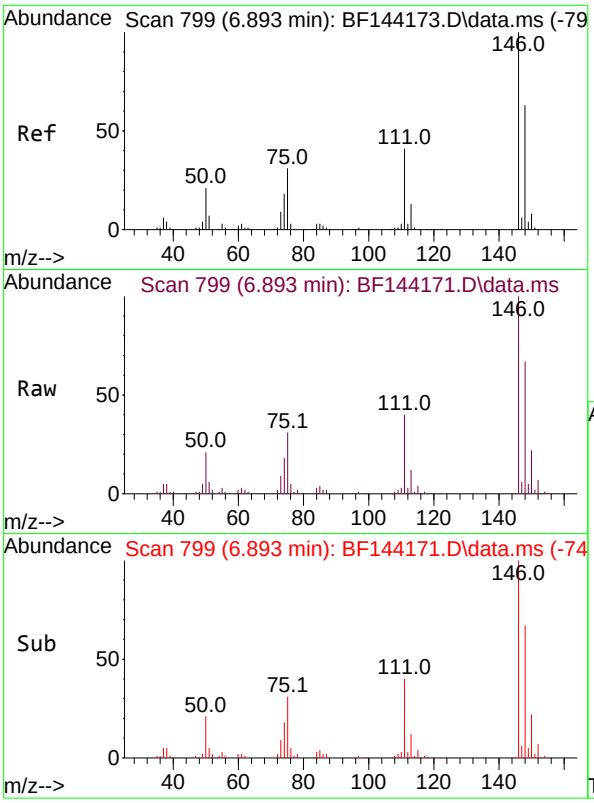


#12
1,3-Dichlorobenzene
Concen: 10.174 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:146 Resp: 88594

Ion	Ratio	Lower	Upper
146	100		
148	66.3	51.8	77.8
75	30.8	25.0	37.4



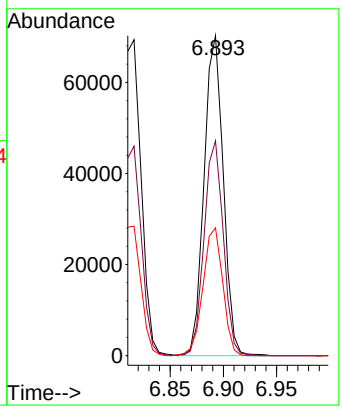


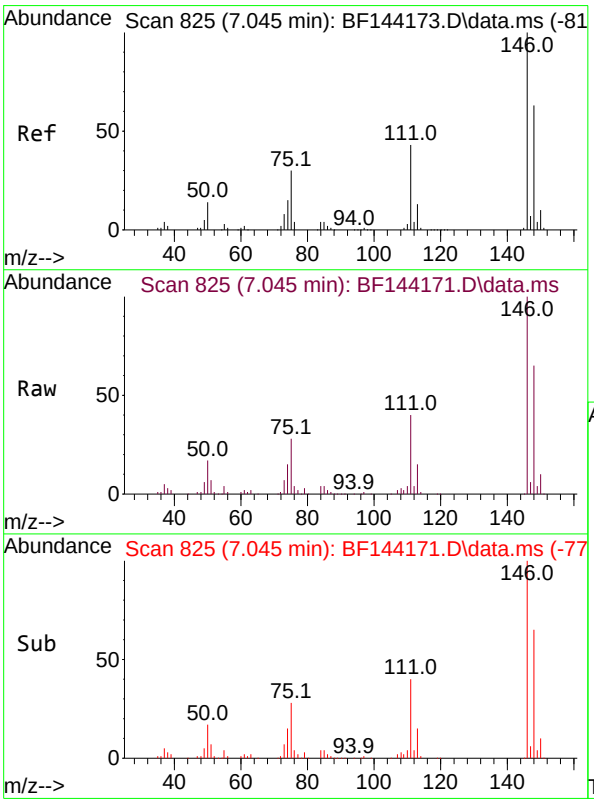
#13
1,4-Dichlorobenzene
Concen: 10.085 ng
RT: 6.893 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 87984

Ion	Ratio	Lower	Upper
146	100		
148	67.1	50.2	75.2
111	39.9	32.6	48.8

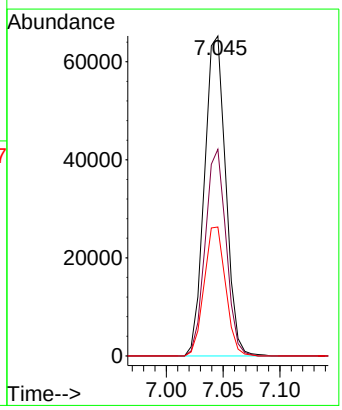


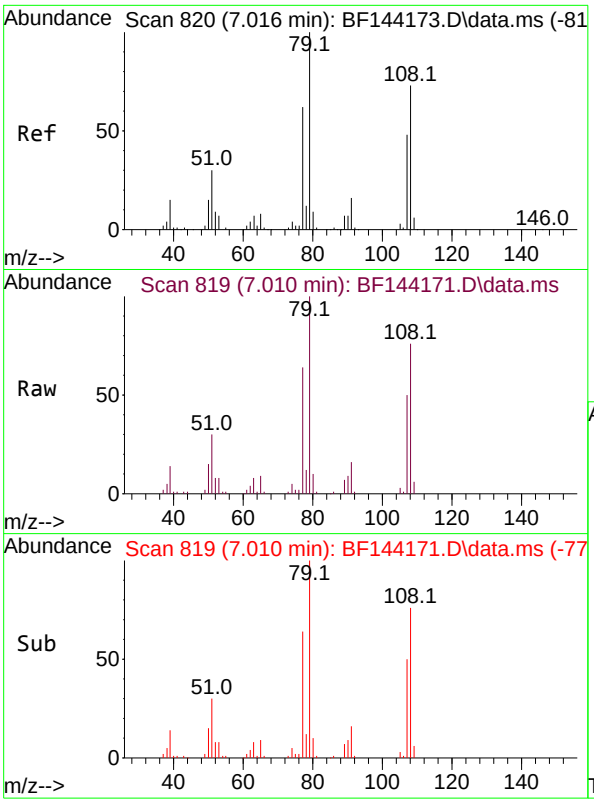


#14
1,2-Dichlorobenzene
Concen: 10.165 ng
RT: 7.045 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:146 Resp: 84997

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.7	76.1
111	40.3	34.2	51.4



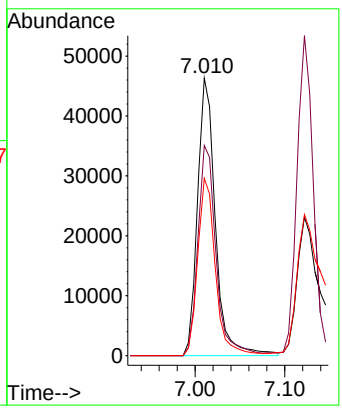


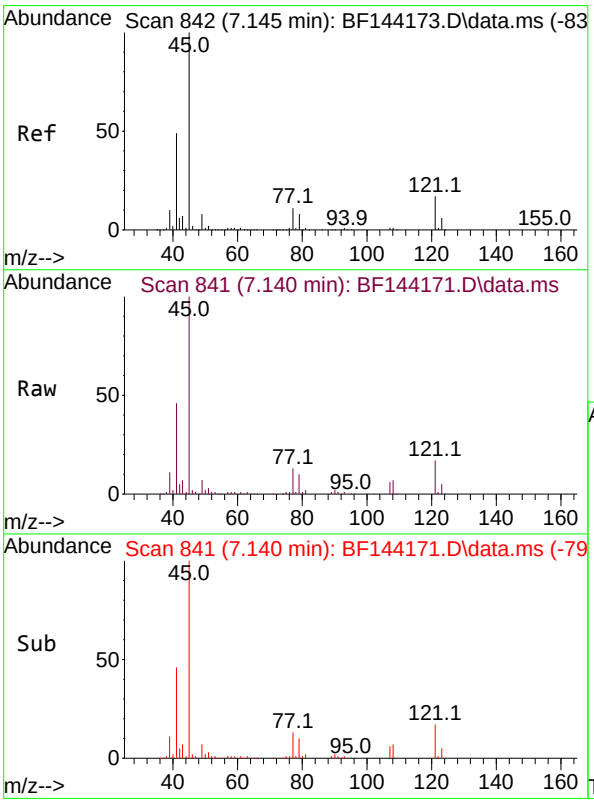
#15
Benzyl Alcohol
Concen: 9.937 ng
RT: 7.010 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 64160

Ion	Ratio	Lower	Upper
79	100		
108	75.8	58.2	87.4
77	63.8	49.9	74.9

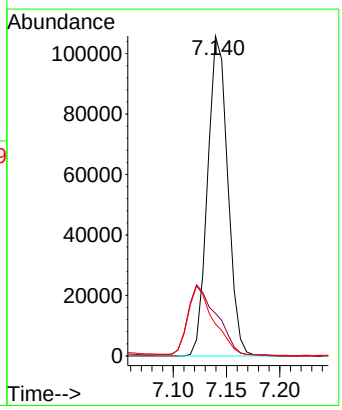


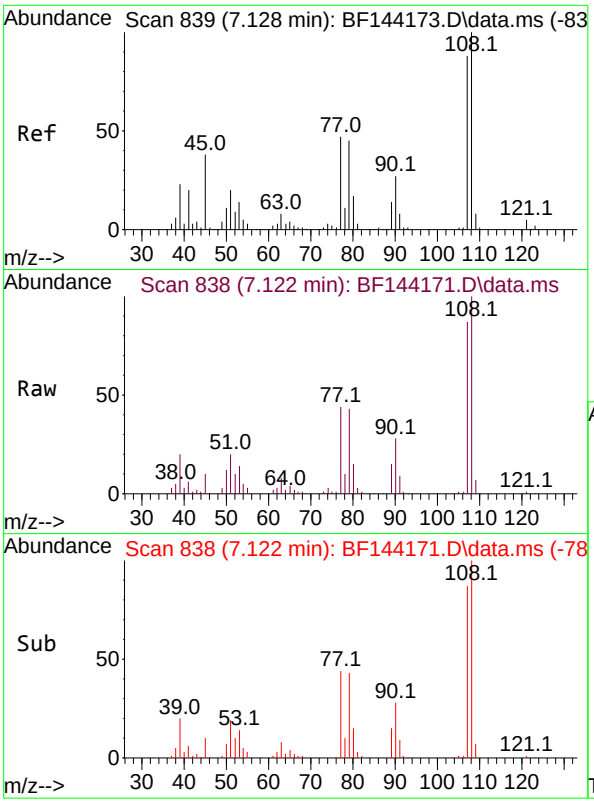


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.403 ng
RT: 7.140 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 45 Resp: 139062

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	31.8
79	9.9	0.0	29.1



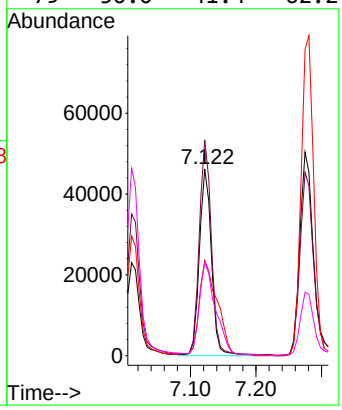


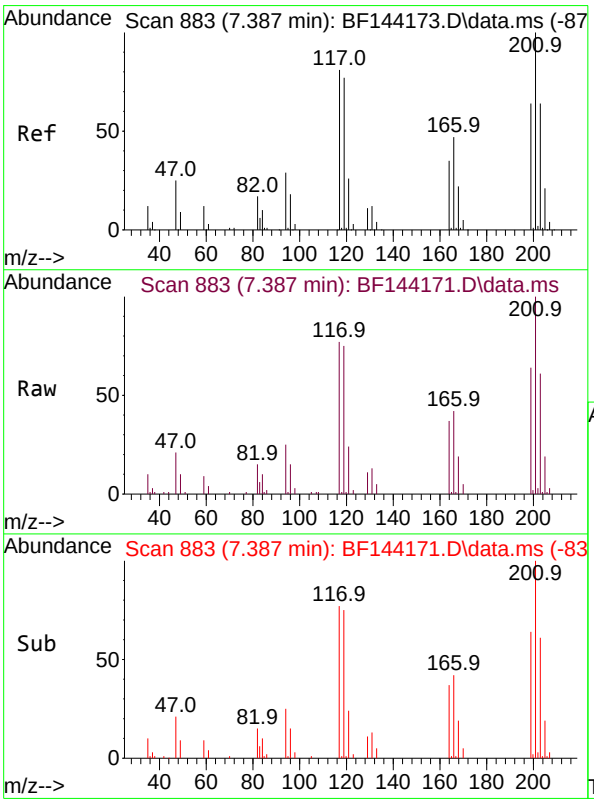
#17
2-Methylphenol
Concen: 10.575 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 59368

Ion	Ratio	Lower	Upper
107	100		
108	115.6	91.0	136.4
77	51.0	42.7	64.1
79	50.0	41.4	62.2

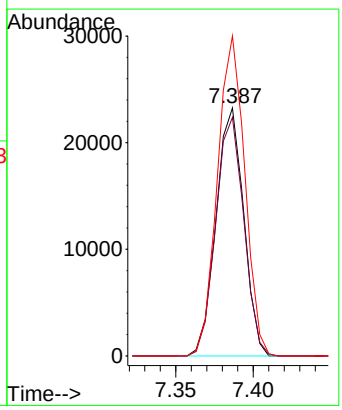


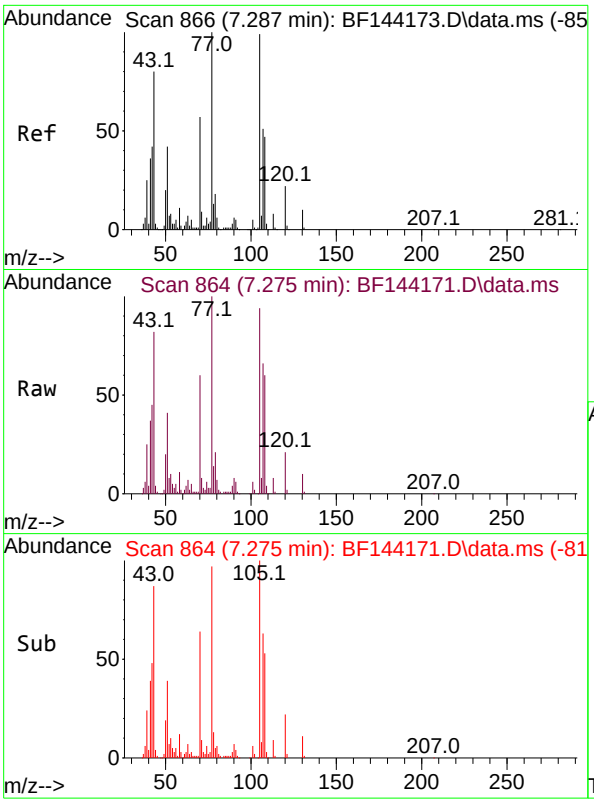


#18
Hexachloroethane
Concen: 9.963 ng
RT: 7.387 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:117 Resp: 28876

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.8
201	129.1	98.9	148.3



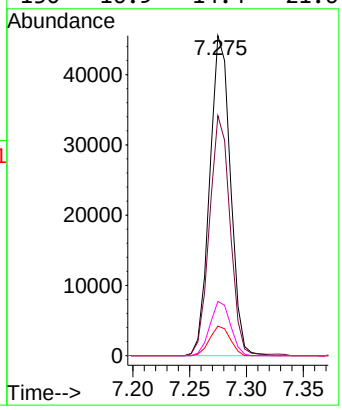


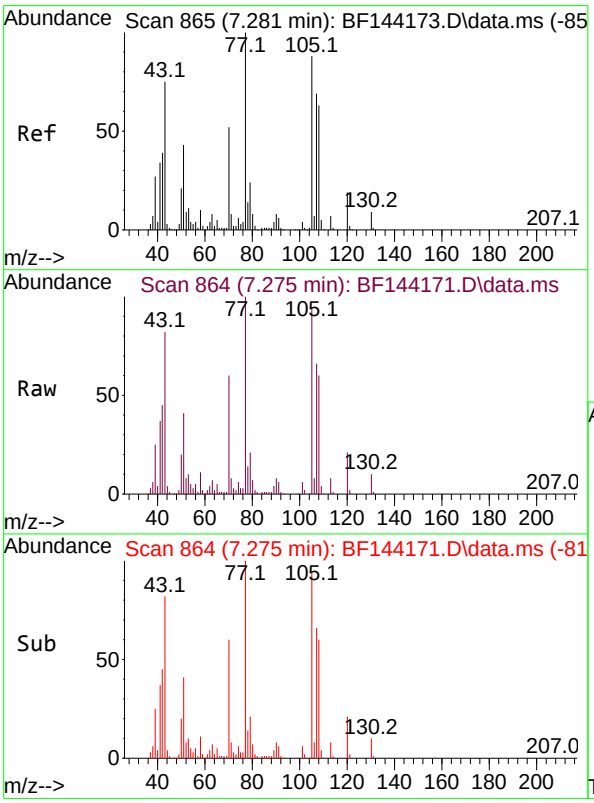
#19
n-Nitroso-di-n-propylamine
Concen: 10.735 ng
RT: 7.275 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 57621

Ion	Ratio	Lower	Upper
70	100		
42	75.0	58.3	87.5
101	9.2	7.0	10.6
130	16.9	14.4	21.6

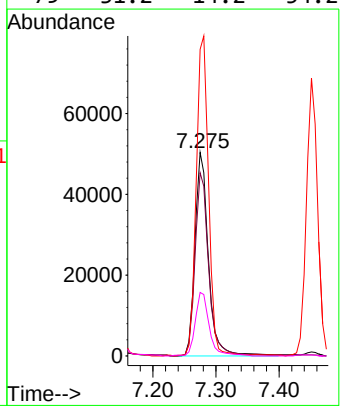


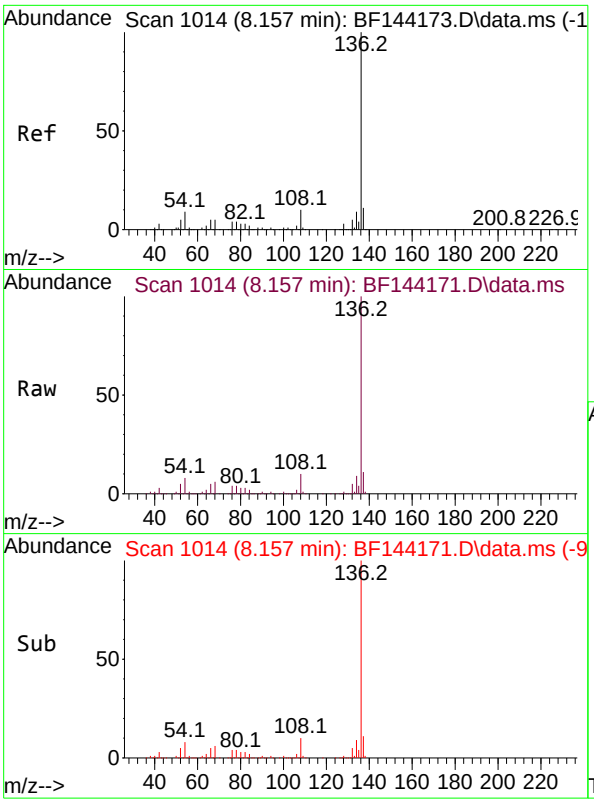


#20
3+4-Methylphenols
Concen: 11.314 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:107 Resp: 74874

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.2	110.2
77	150.7	123.9	163.9
79	31.2	14.2	54.2



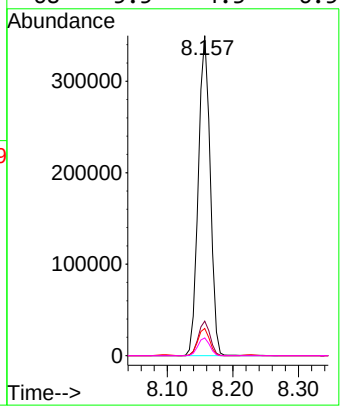


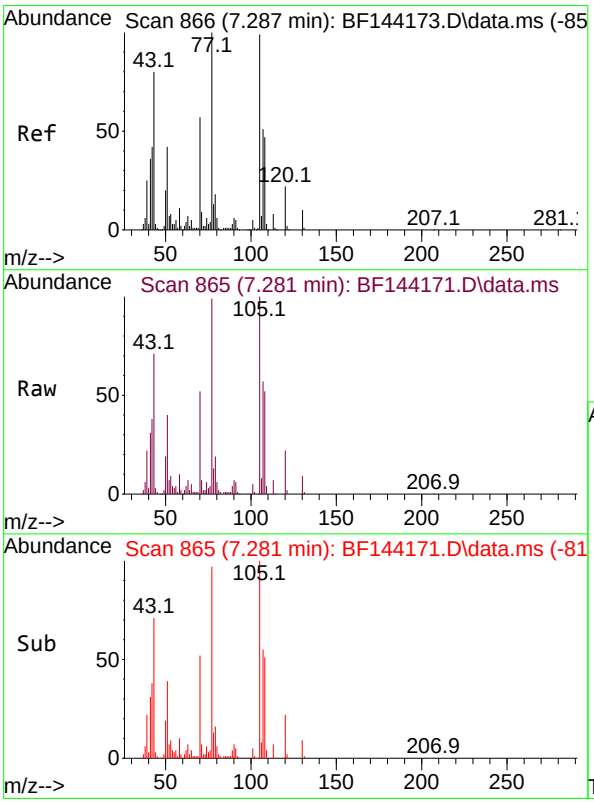
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 438512

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.5	7.0	10.6
68	5.5	4.3	6.5

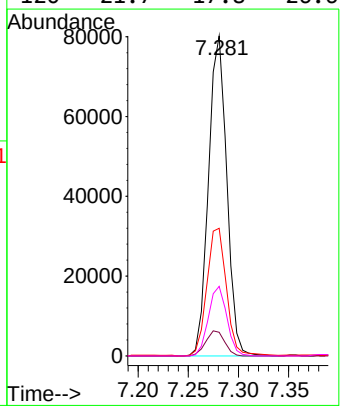


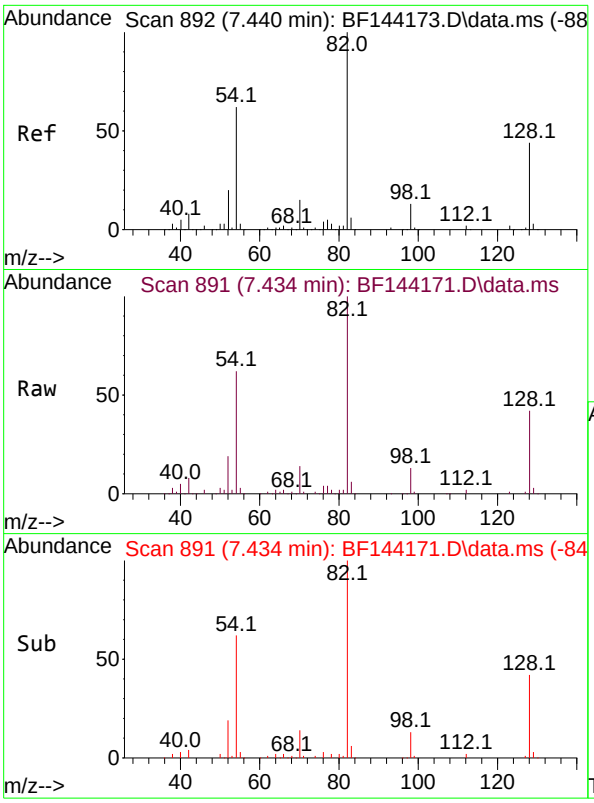


#22
Acetophenone
Concen: 10.819 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:105 Resp: 101777

Ion	Ratio	Lower	Upper
105	100		
71	7.4	7.2	10.8
51	39.9	34.0	51.0
120	21.7	17.8	26.6



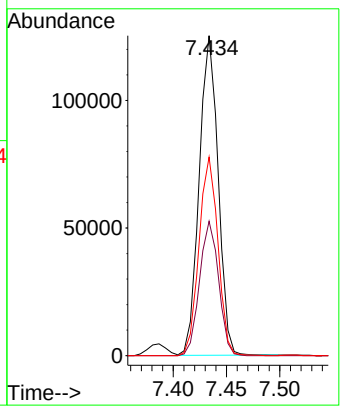


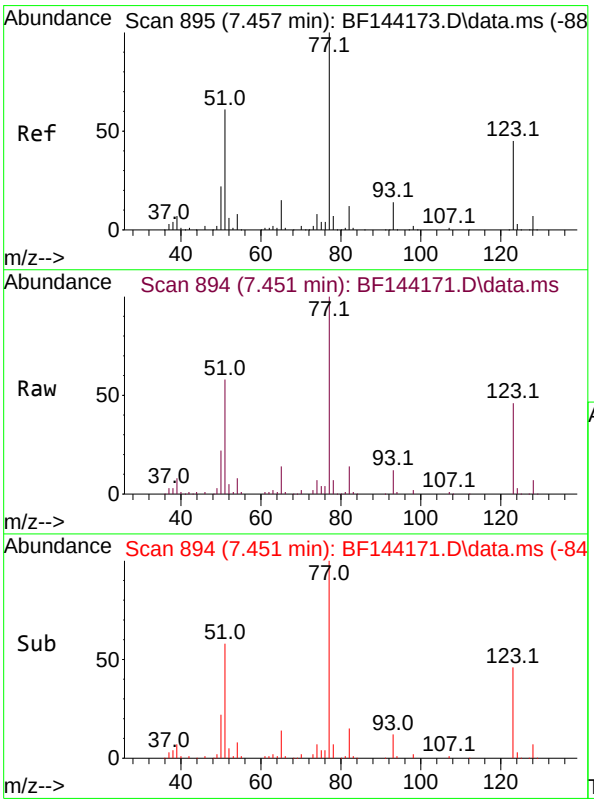
#23
Nitrobenzene-d5
Concen: 20.347 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 154488

Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.7	52.1
54	62.0	49.5	74.3

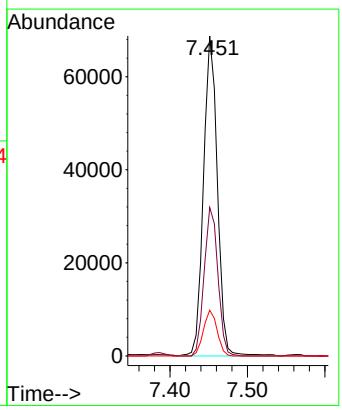


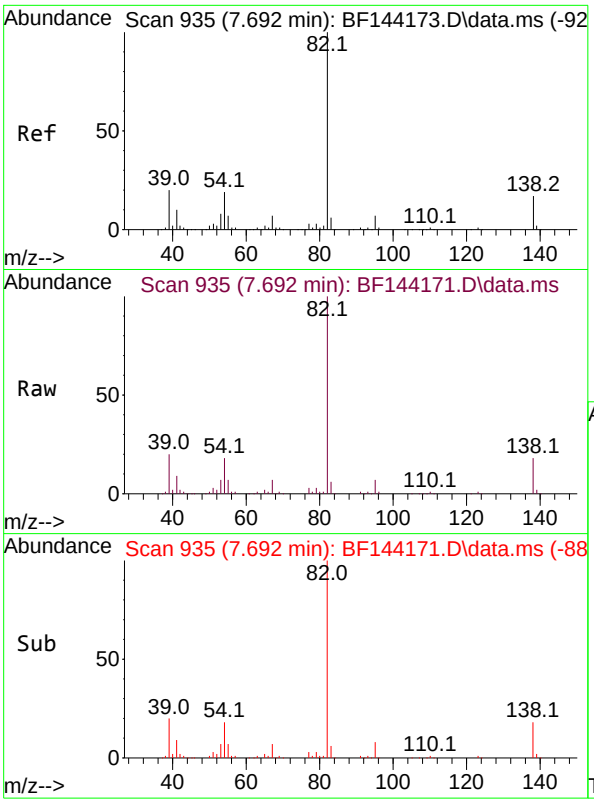


#24
Nitrobenzene
Concen: 10.380 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 77 Resp: 85567

Ion	Ratio	Lower	Upper
77	100		
123	46.4	35.8	53.8
65	14.3	12.2	18.2



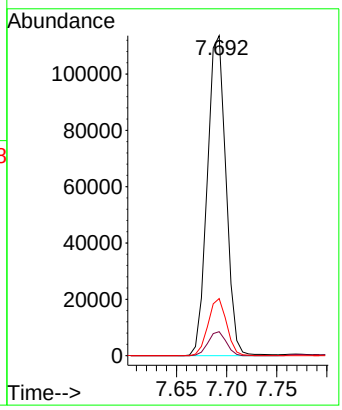


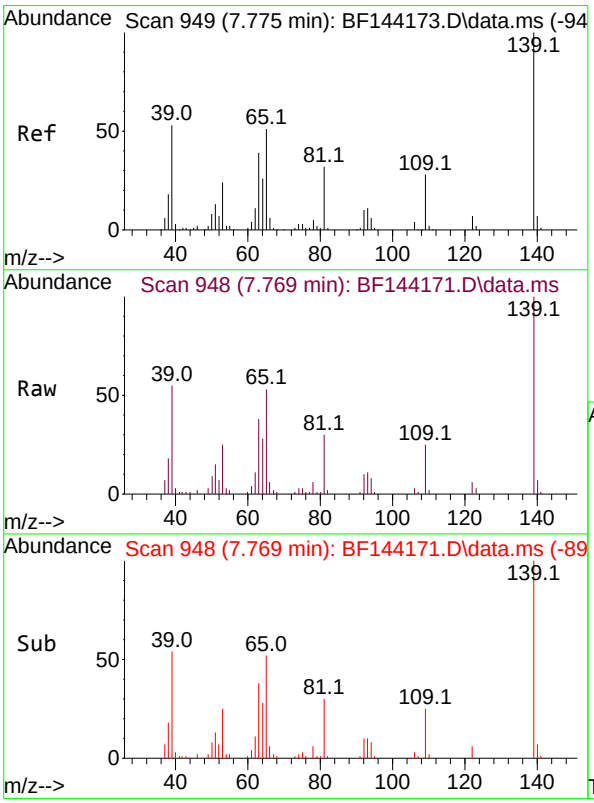
#25
Isophorone
Concen: 10.204 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 146541

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.5	8.3
138	17.9	13.7	20.5

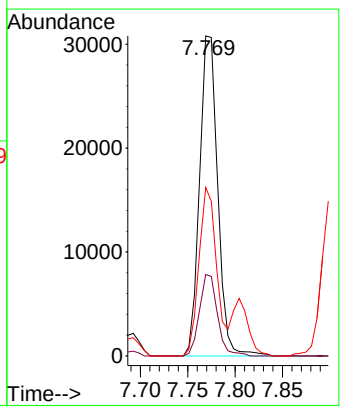


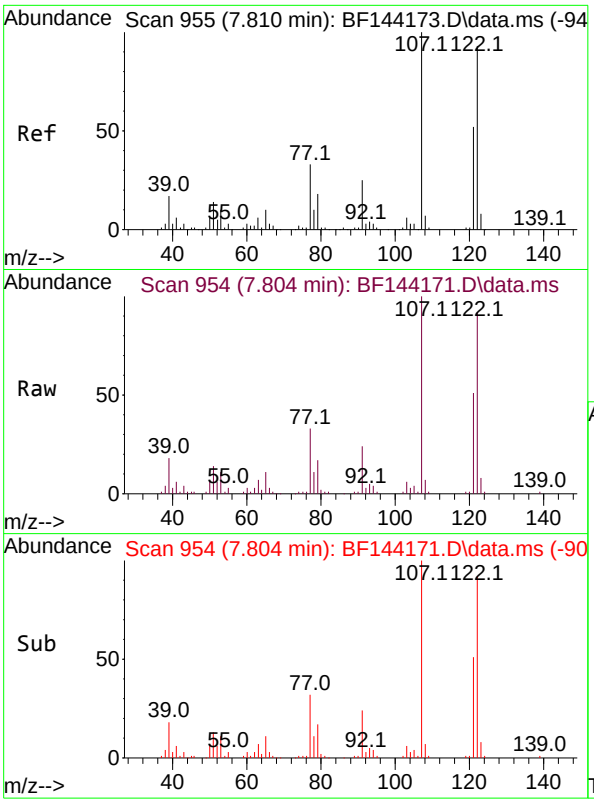


#26
2-Nitrophenol
Concen: 10.067 ng
RT: 7.769 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:139 Resp: 41083

Ion	Ratio	Lower	Upper
139	100		
109	25.4	22.2	33.2
65	52.6	40.7	61.1



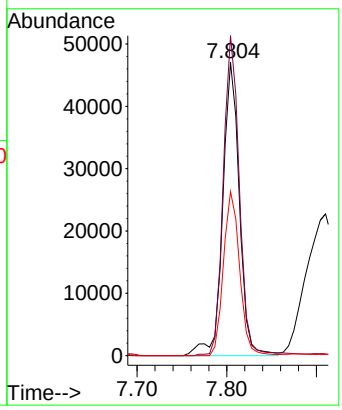


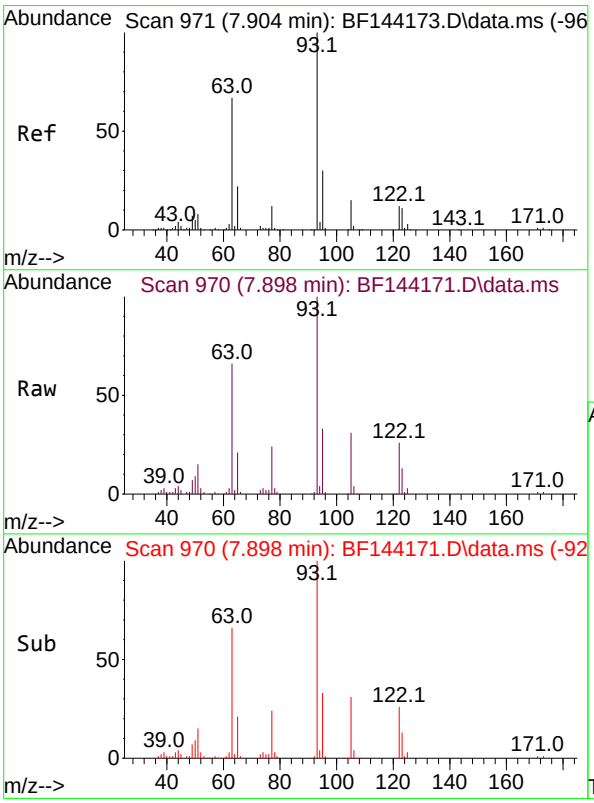
#27
2,4-Dimethylphenol
Concen: 9.956 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 60896

Ion	Ratio	Lower	Upper
122	100		
107	109.2	86.2	129.4
121	56.0	44.6	66.8

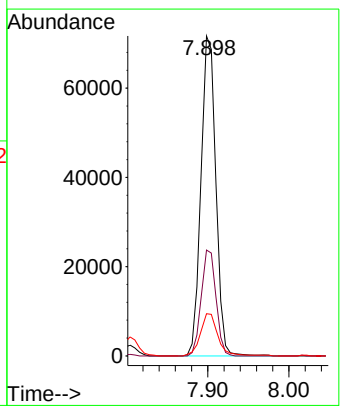


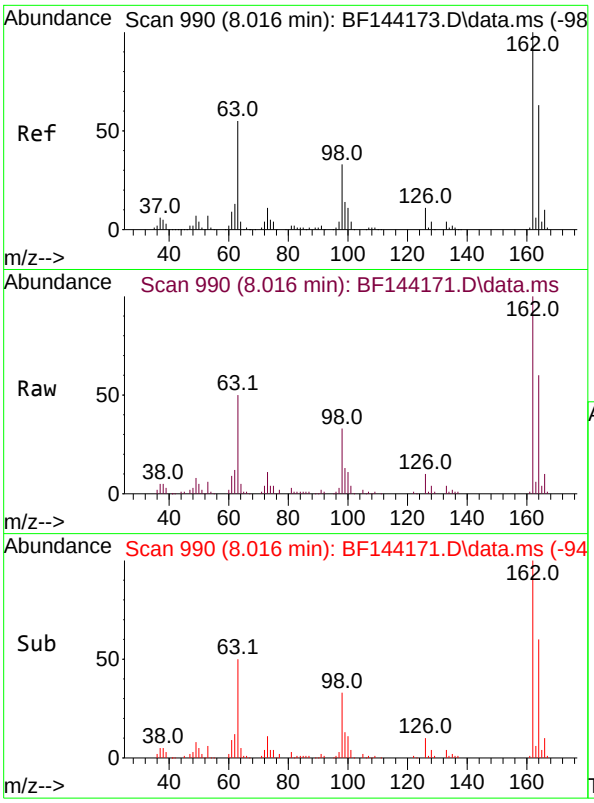


#28
bis(2-Chloroethoxy)methane
Concen: 10.202 ng
RT: 7.898 min Scan# 970
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 93 Resp: 91497

Ion	Ratio	Lower	Upper
93	100		
95	33.1	24.2	36.4
123	13.2	9.0	13.4



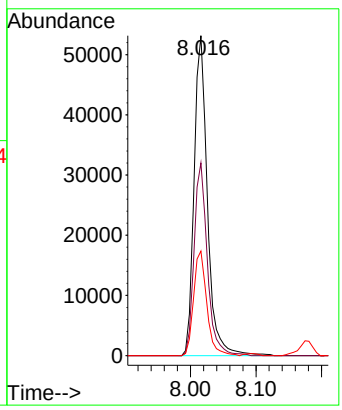


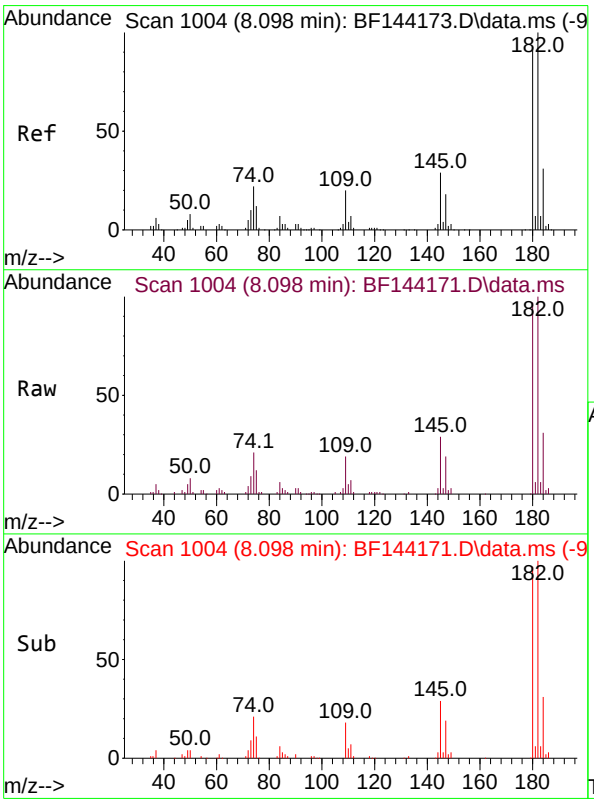
#29
2,4-Dichlorophenol
Concen: 10.643 ng
RT: 8.016 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 75032

Ion	Ratio	Lower	Upper
162	100		
164	60.2	42.9	82.9
98	32.7	13.3	53.3

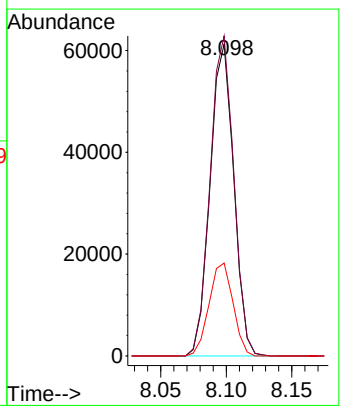


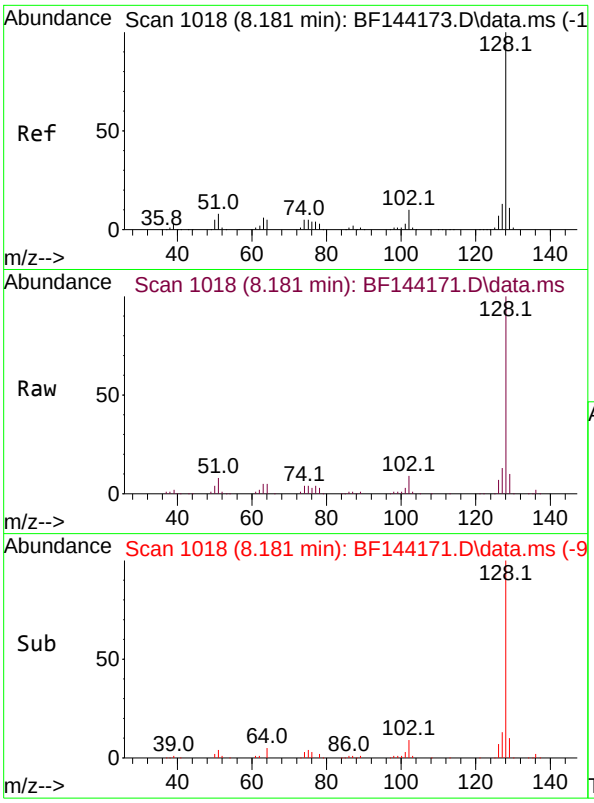


#30
1,2,4-Trichlorobenzene
Concen: 10.585 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:180 Resp: 76623

Ion	Ratio	Lower	Upper
180	100		
182	102.7	87.7	131.5
145	29.8	25.4	38.0



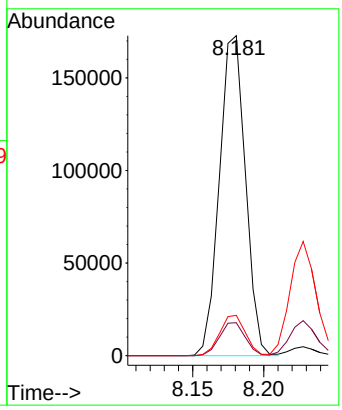


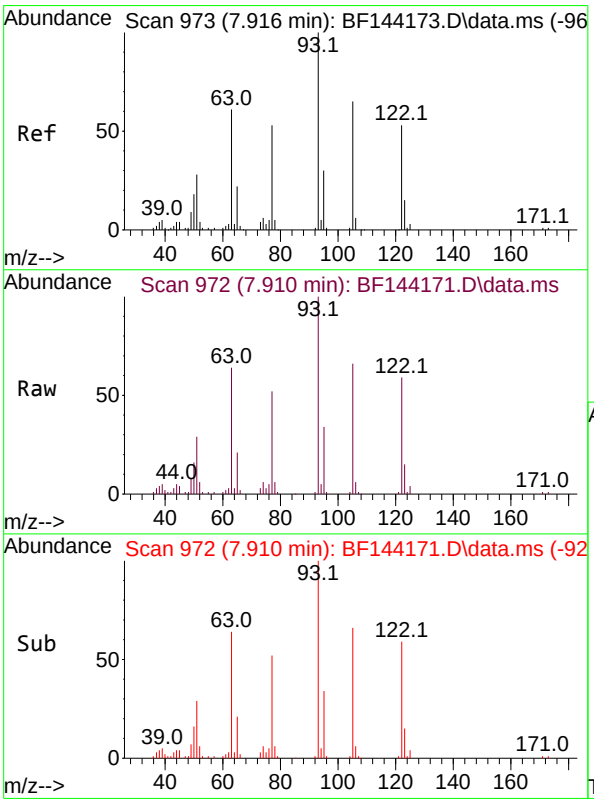
#31
Naphthalene
Concen: 10.590 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 220903

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.9	13.3
127	12.6	10.3	15.5

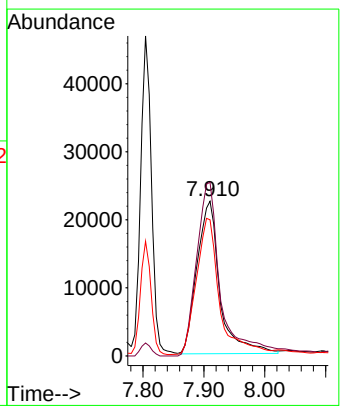


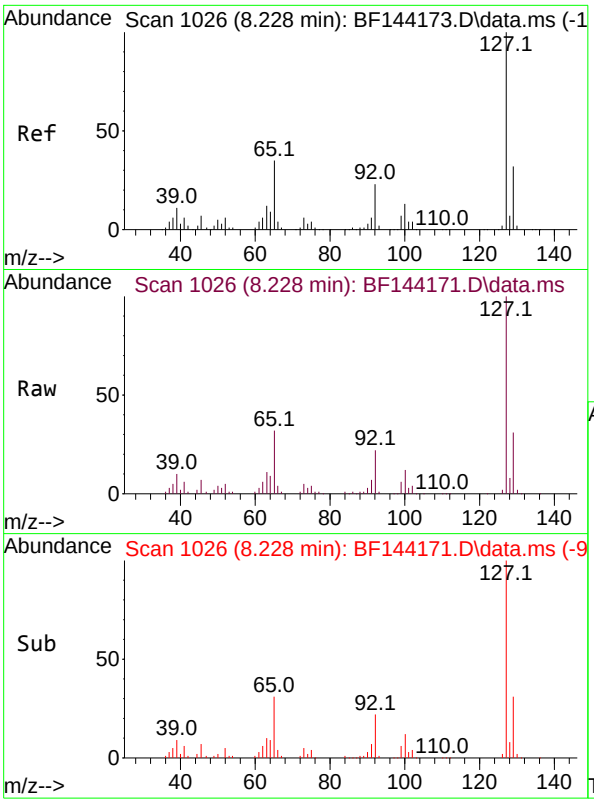


#32
Benzoic acid
Concen: 13.120 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.041 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:122 Resp: 58822

Ion	Ratio	Lower	Upper
122	100		
105	112.1	99.9	139.9
77	88.0	77.5	117.5



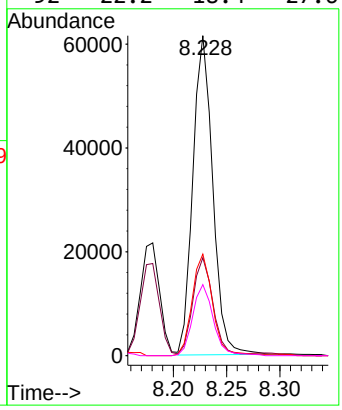


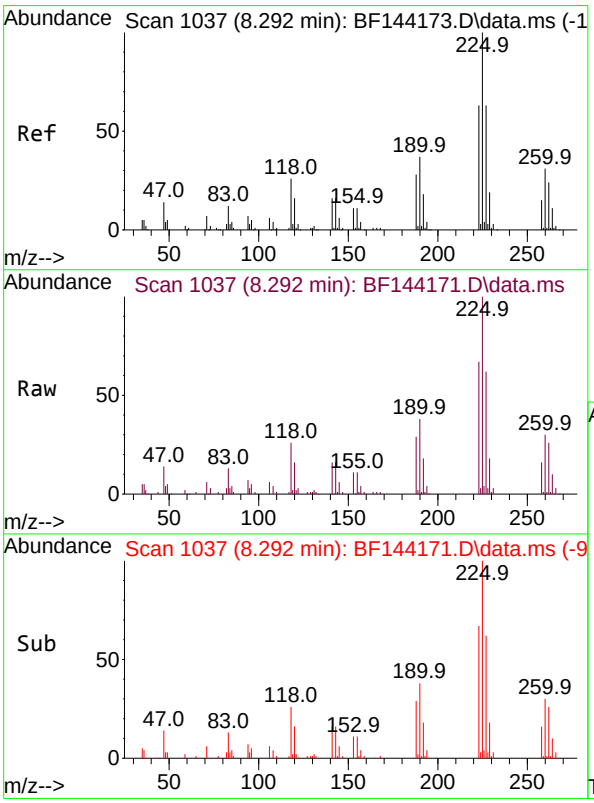
#33
4-Chloroaniline
Concen: 10.476 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 79703

Ion	Ratio	Lower	Upper
127	100		
129	30.6	25.3	37.9
65	31.7	27.6	41.4
92	22.2	18.4	27.6

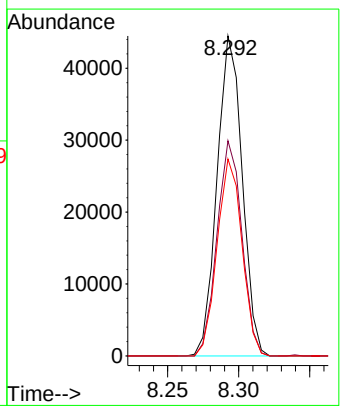


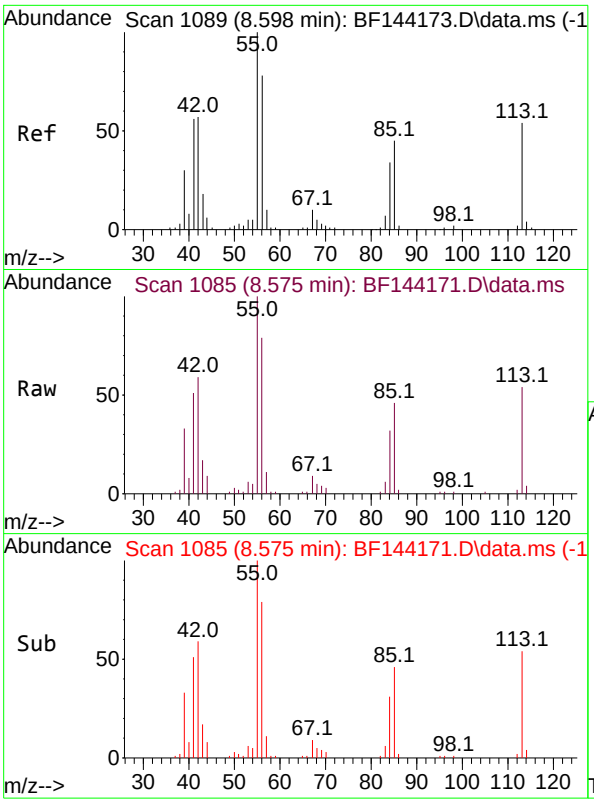


#34
Hexachlorobutadiene
Concen: 10.054 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:225 Resp: 54849

Ion	Ratio	Lower	Upper
225	100		
223	67.2	50.2	75.4
227	61.5	50.1	75.1



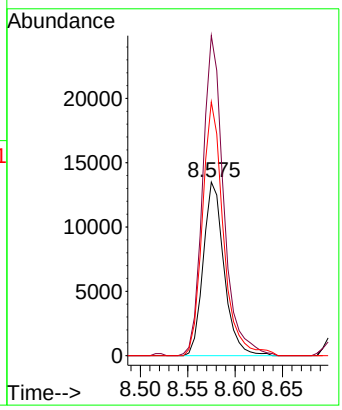


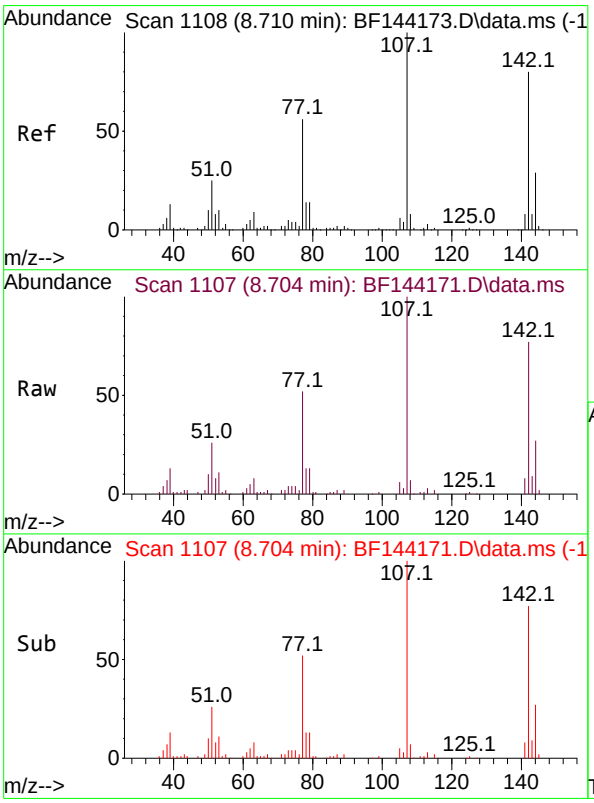
#35
Caprolactam
Concen: 10.645 ng
RT: 8.575 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 20560

Ion	Ratio	Lower	Upper
113	100		
55	184.5	166.8	206.8
56	146.2	125.9	165.9

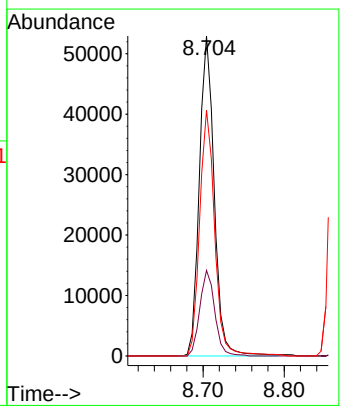


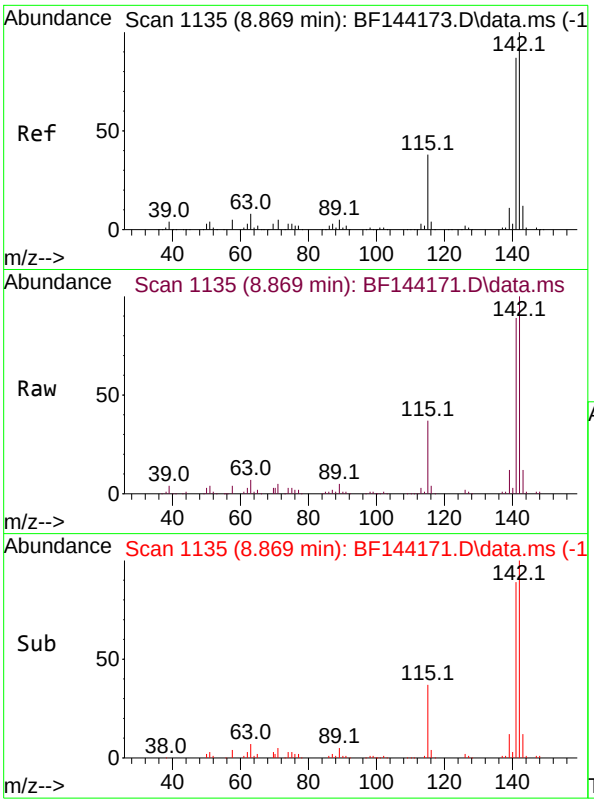


#36
4-Chloro-3-methylphenol
Concen: 10.641 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:107 Resp: 67228

Ion	Ratio	Lower	Upper
107	100		
144	26.7	23.3	34.9
142	76.8	63.8	95.6



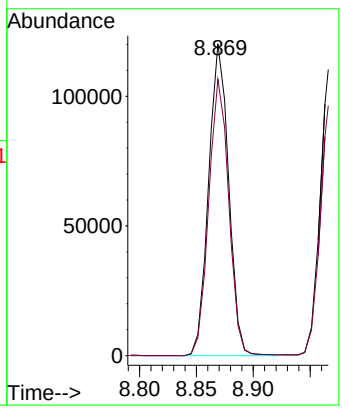


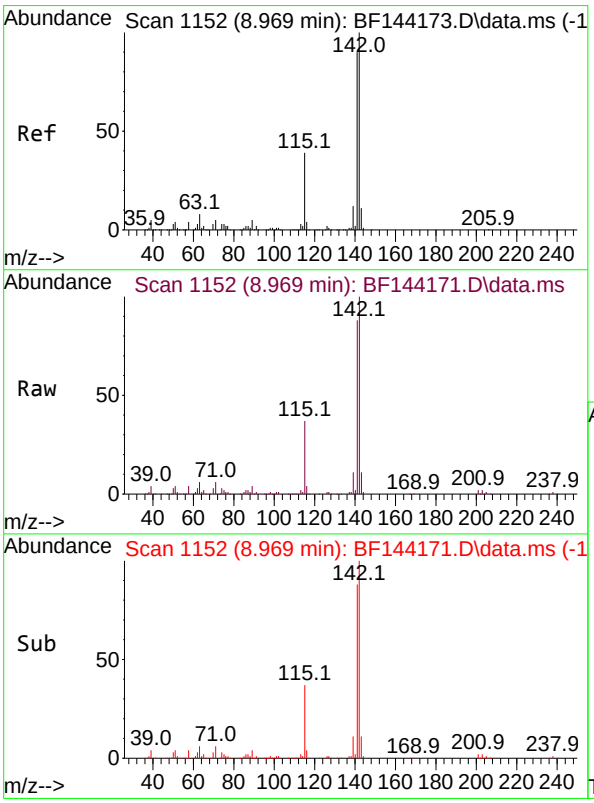
#37
2-Methylnaphthalene
Concen: 10.571 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 147427

Ion	Ratio	Lower	Upper
142	100		
141	88.7	69.9	104.9

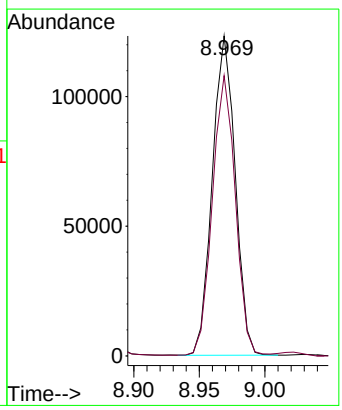


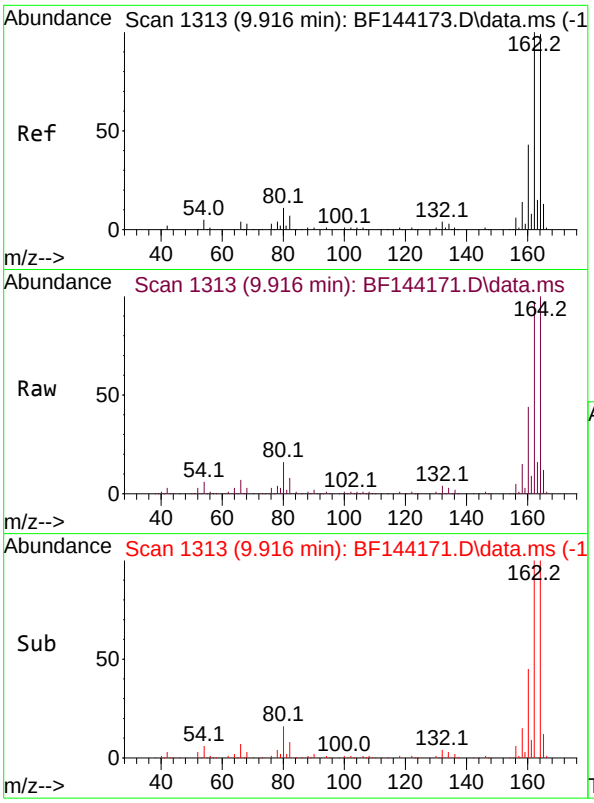


#38
1-Methylnaphthalene
Concen: 11.093 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:142 Resp: 149280

Ion	Ratio	Lower	Upper
142	100		
141	87.6	72.1	108.1



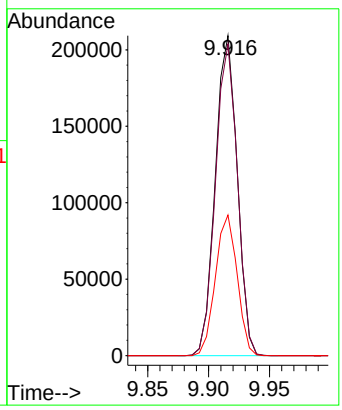


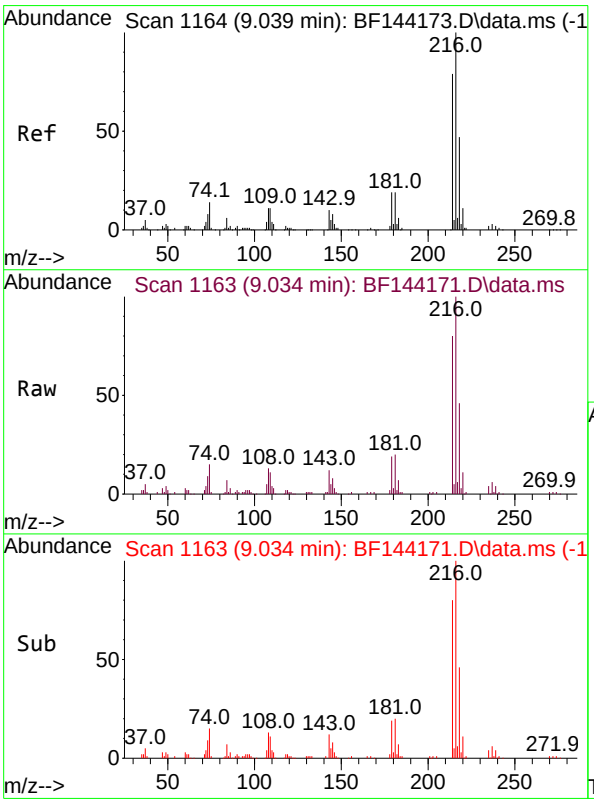
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 261107

Ion	Ratio	Lower	Upper
164	100		
162	97.4	81.1	121.7
160	43.9	34.5	51.7

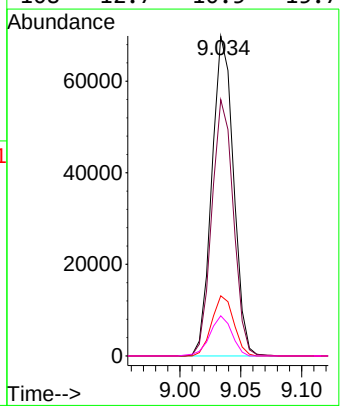


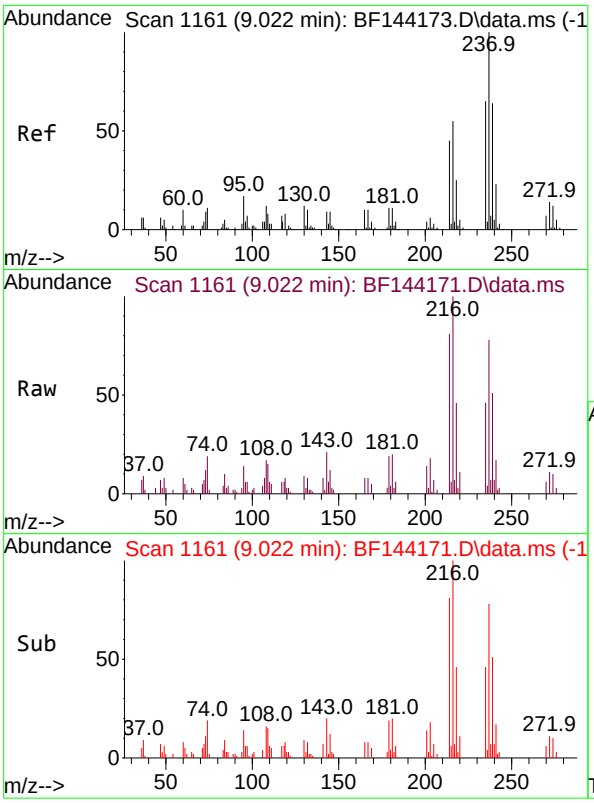


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.098 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:216 Resp: 86408

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.4	95.2
179	19.0	15.0	22.4
108	12.7	10.5	15.7



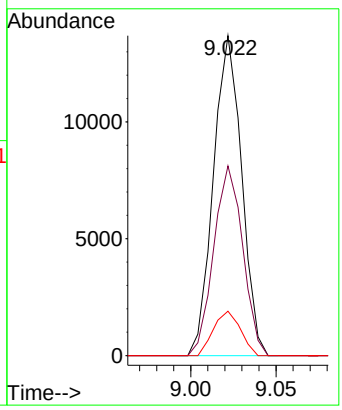


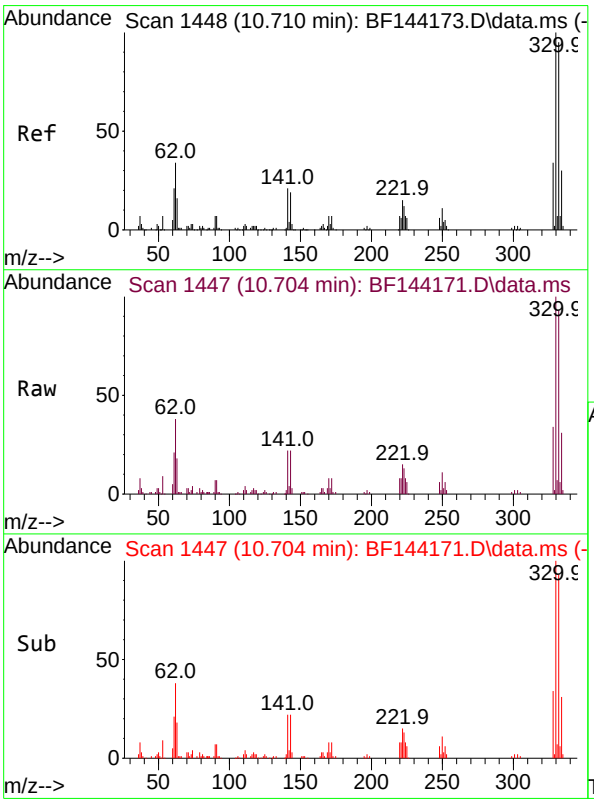
#41
Hexachlorocyclopentadiene
Concen: 10.609 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 15765

Ion	Ratio	Lower	Upper
237	100		
235	59.3	45.5	85.5
272	13.9	0.0	33.5

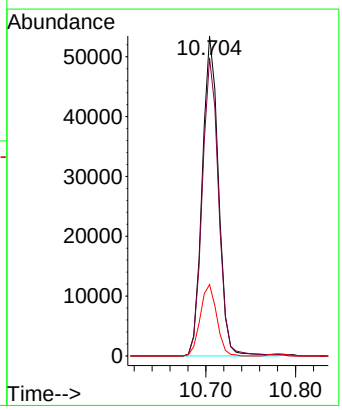


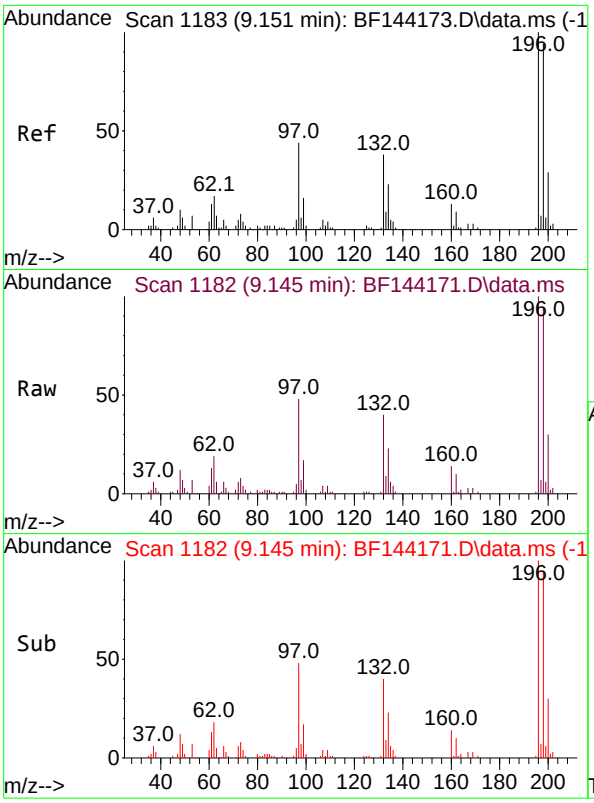


#42
2,4,6-Tribromophenol
Concen: 20.442 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:330 Resp: 66981

Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.7	115.1
141	22.6	17.8	26.8



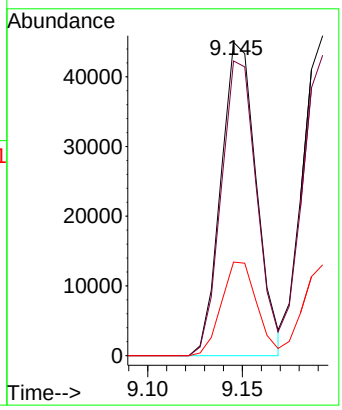


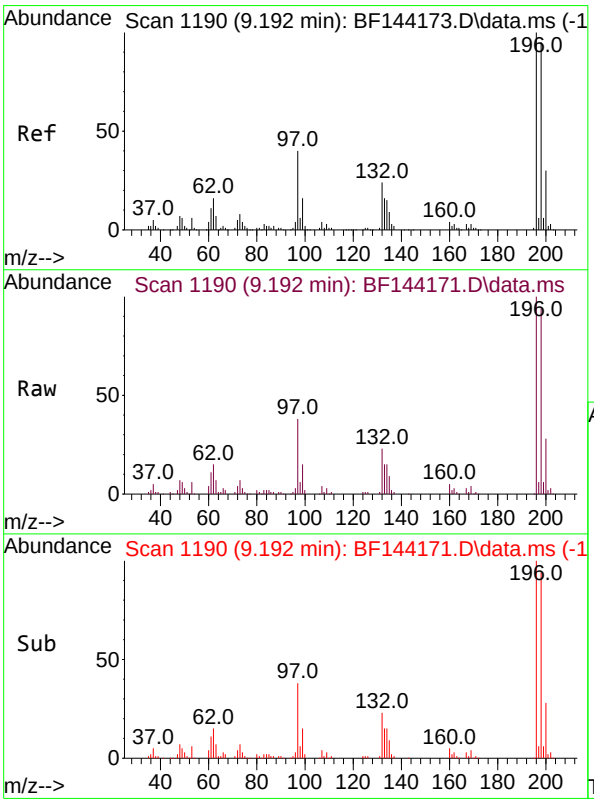
#43
2,4,6-Trichlorophenol
Concen: 10.054 ng
RT: 9.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 58560

Ion	Ratio	Lower	Upper
196	100		
198	94.0	75.3	112.9
200	29.8	23.4	35.2

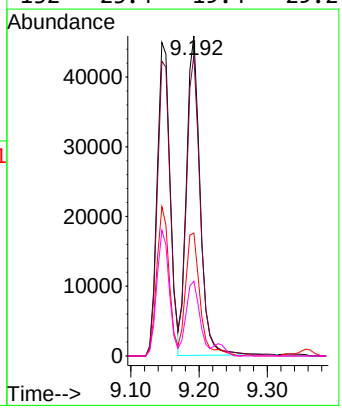


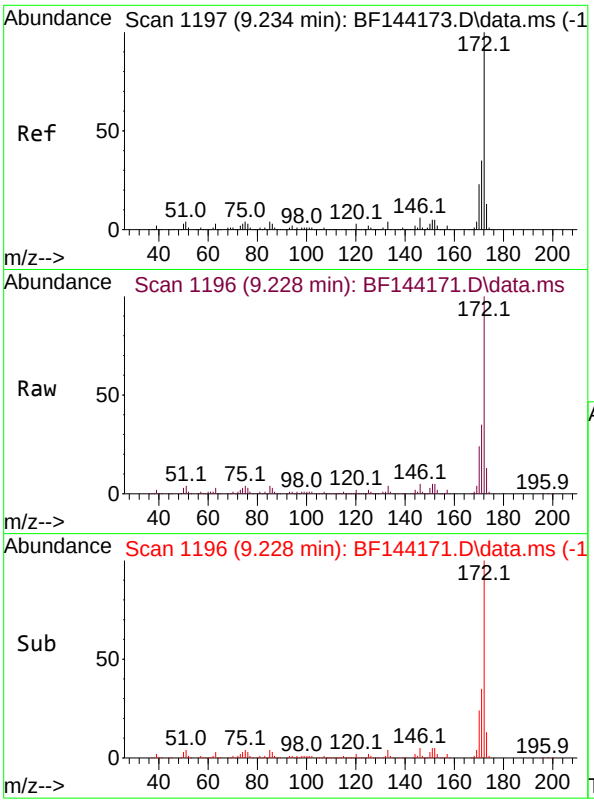


#44
2,4,5-Trichlorophenol
Concen: 10.160 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:196 Resp: 63779

Ion	Ratio	Lower	Upper
196	100		
198	93.9	76.1	114.1
97	38.4	31.9	47.9
132	23.4	19.4	29.2



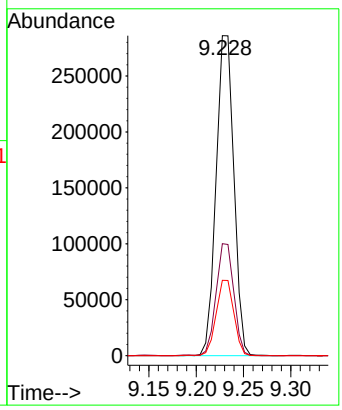


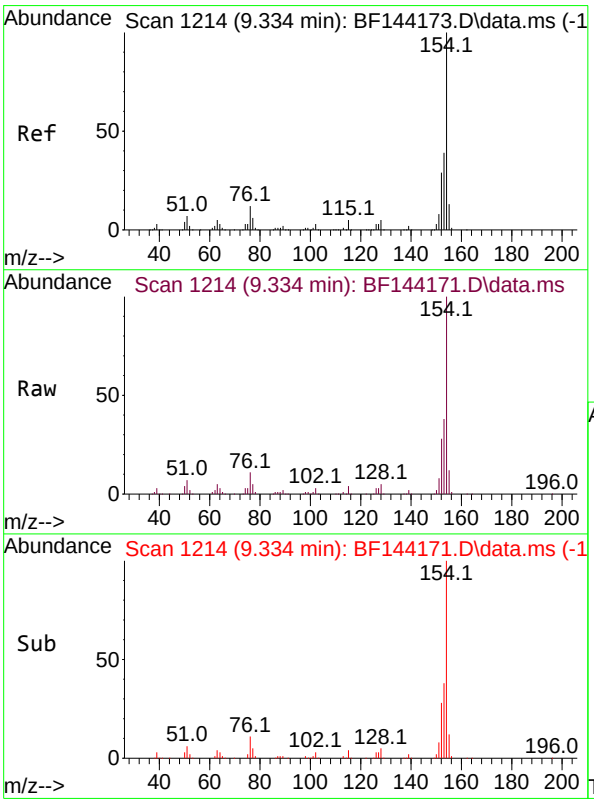
#45
2-Fluorobiphenyl
Concen: 21.090 ng
RT: 9.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 372845

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	23.5	18.6	28.0

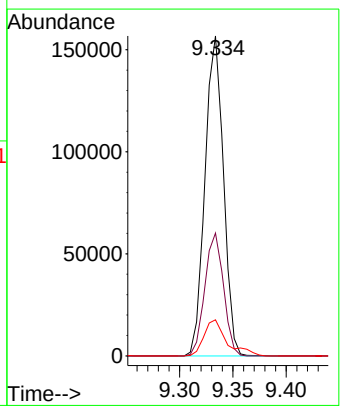


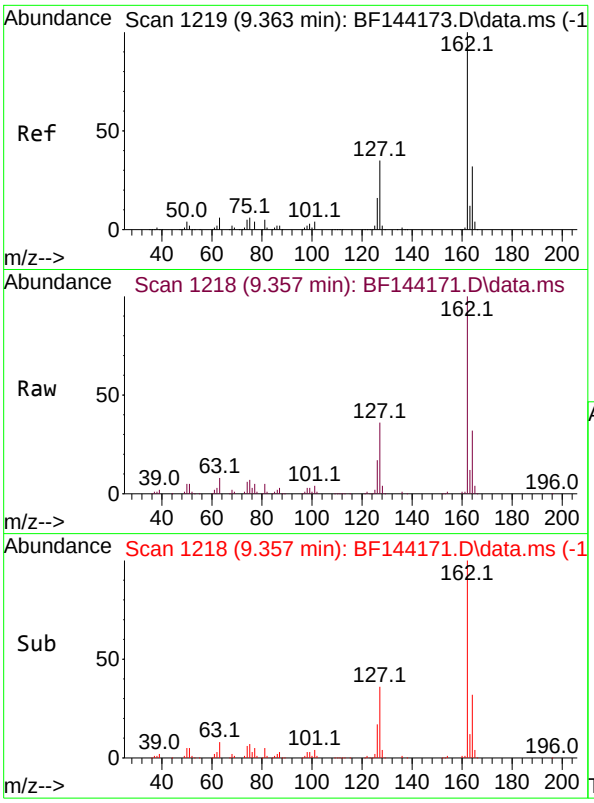


#46
1,1'-Biphenyl
Concen: 10.355 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:154 Resp: 188739

Ion	Ratio	Lower	Upper
154	100		
153	38.4	19.2	59.2
76	11.3	0.0	31.8



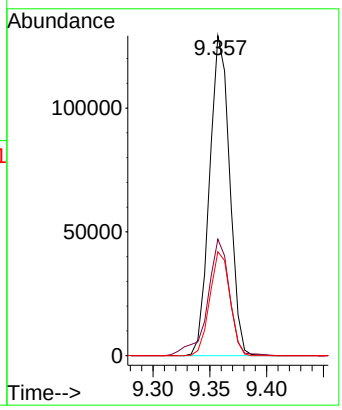


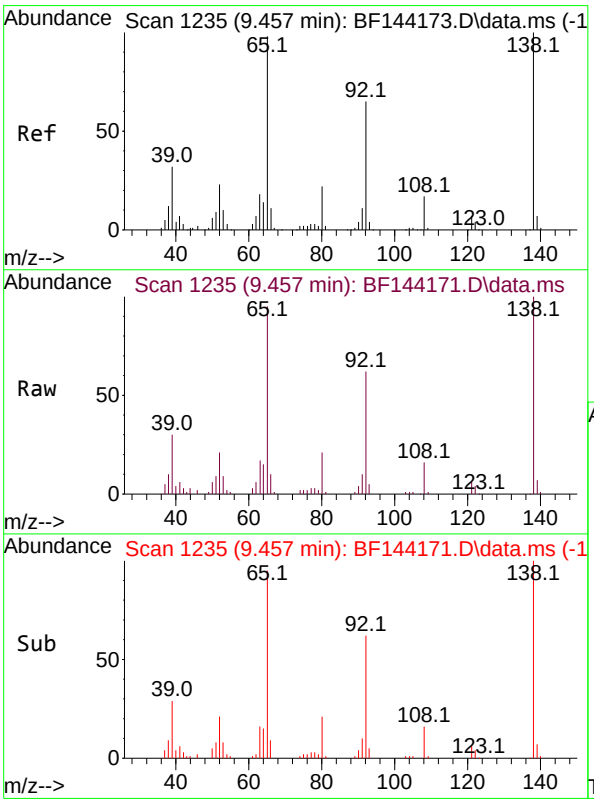
#47
2-Chloronaphthalene
Concen: 10.211 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 158745

Ion	Ratio	Lower	Upper
162	100		
127	36.4	28.8	43.2
164	32.5	25.8	38.8

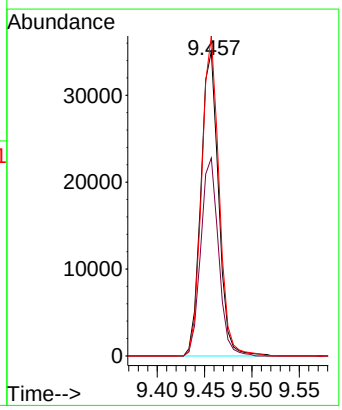


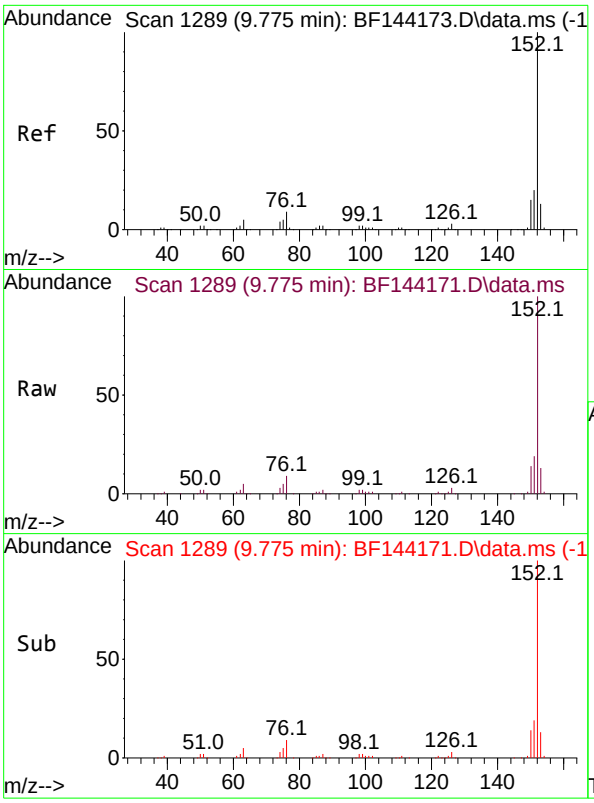


#48
2-Nitroaniline
Concen: 10.104 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 65 Resp: 45323

Ion	Ratio	Lower	Upper
65	100		
92	65.0	53.0	79.6
138	105.1	81.6	122.4



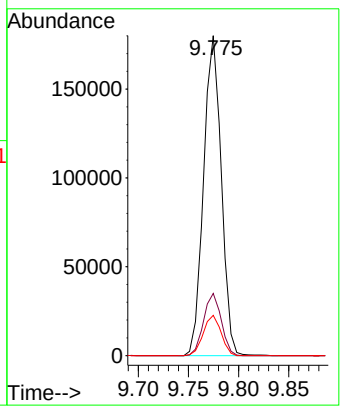


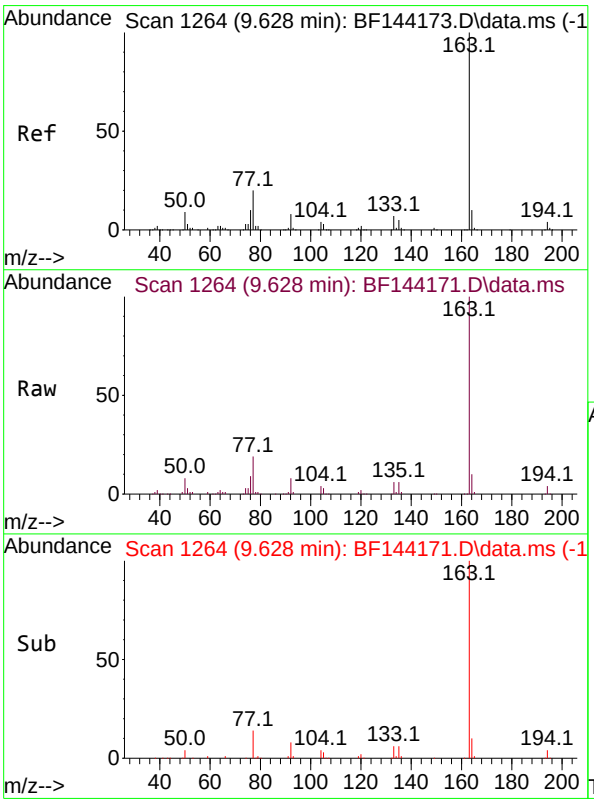
#49
Acenaphthylene
Concen: 10.390 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 220118

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	12.6	10.5	15.7

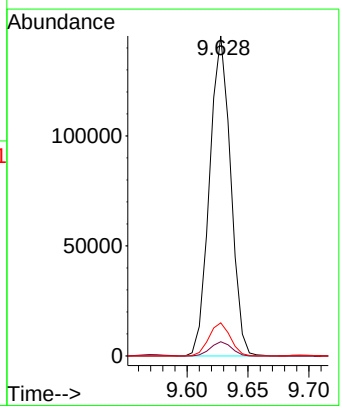


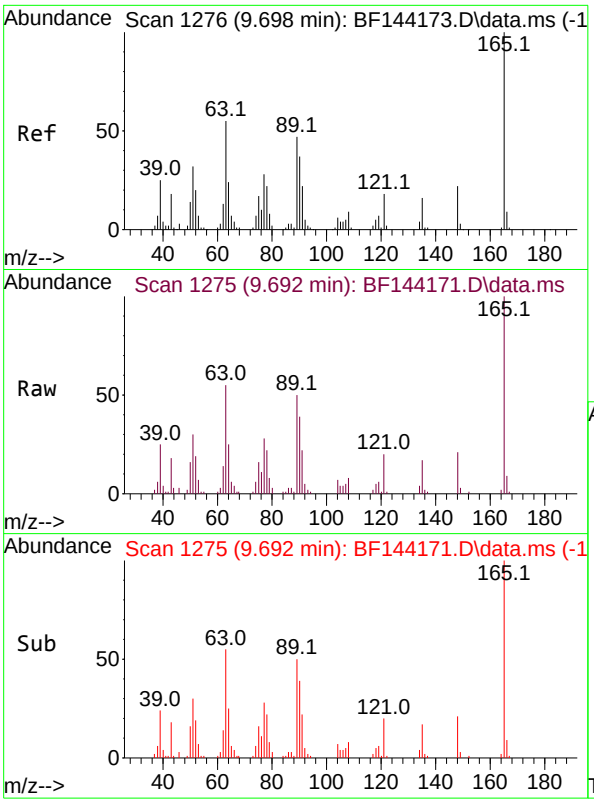


#50
Dimethylphthalate
Concen: 10.133 ng
RT: 9.628 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:163 Resp: 175284

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.3	8.1	12.1



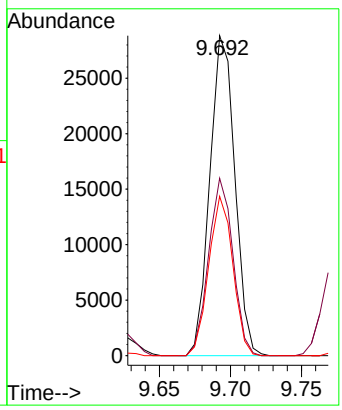


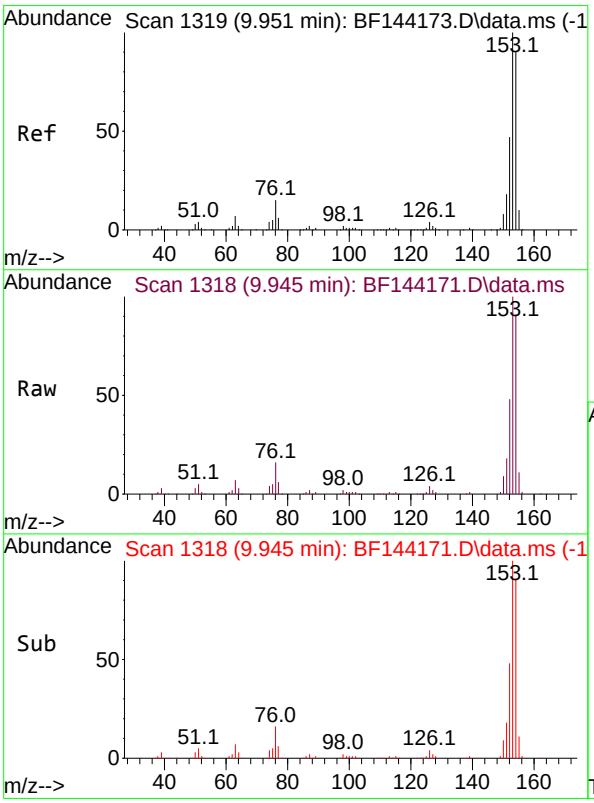
#51
2,6-Dinitrotoluene
Concen: 10.119 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 35433

Ion	Ratio	Lower	Upper
165	100		
63	55.4	43.8	65.8
89	49.8	37.5	56.3

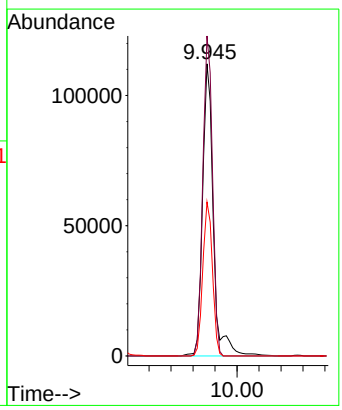


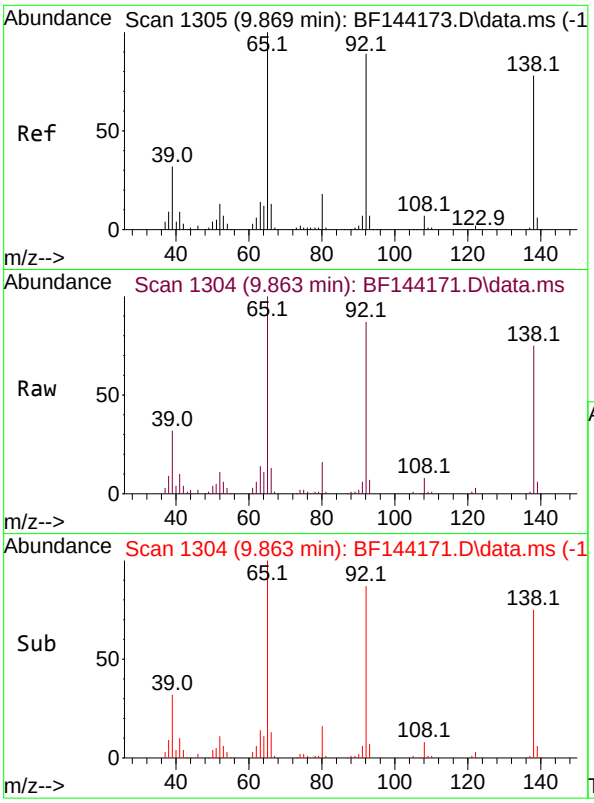


#52
Acenaphthene
Concen: 10.705 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:154 Resp: 151661

Ion	Ratio	Lower	Upper
154	100		
153	109.5	89.0	133.4
152	52.7	42.2	63.4



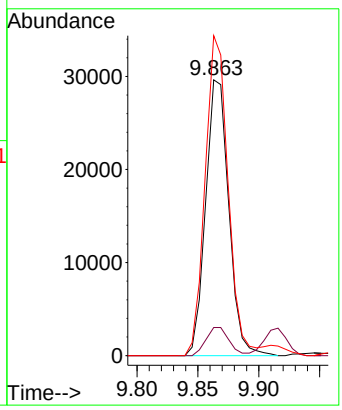


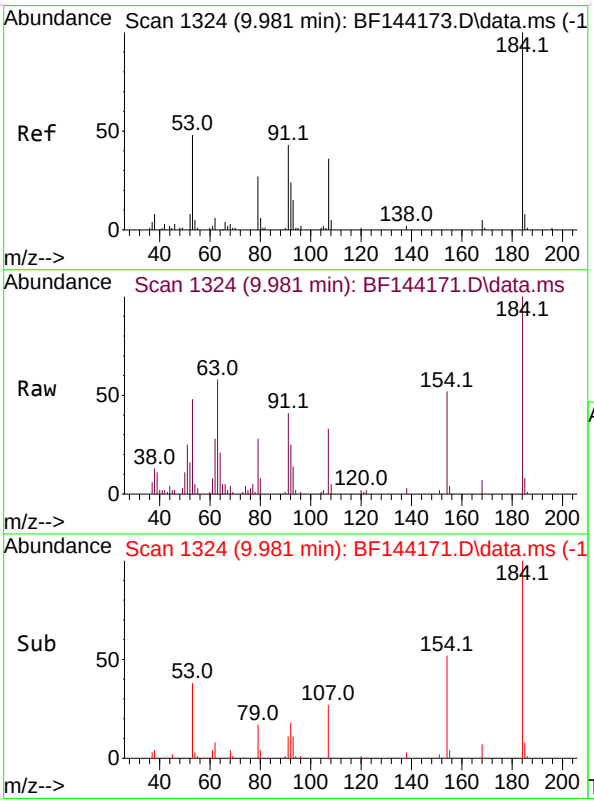
#53
3-Nitroaniline
Concen: 10.259 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 39270

Ion	Ratio	Lower	Upper
138	100		
108	10.2	7.5	11.3
92	116.1	91.8	137.6

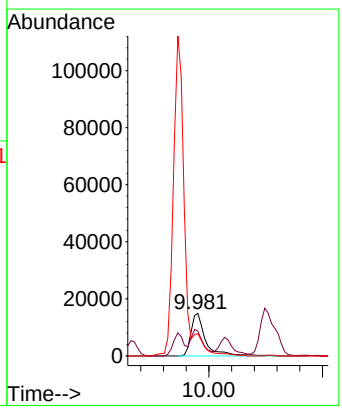


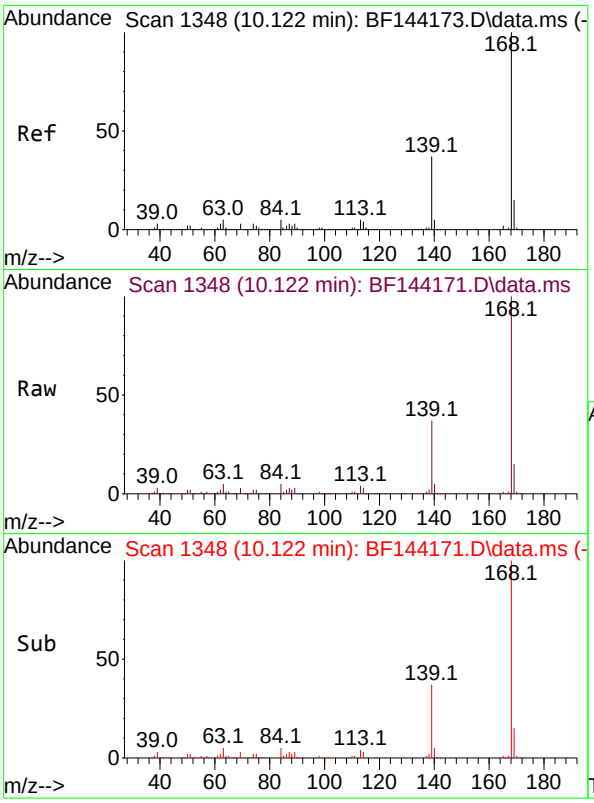


#54
2,4-Dinitrophenol
Concen: 12.447 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:184 Resp: 26319

Ion	Ratio	Lower	Upper
184	100		
63	58.3	44.0	66.0
154	51.9	42.4	63.6



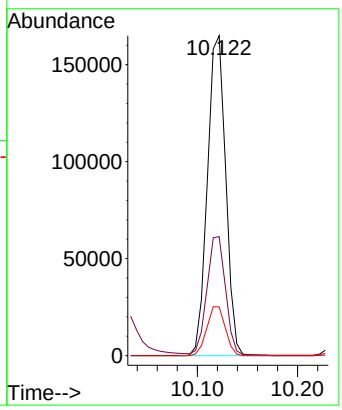


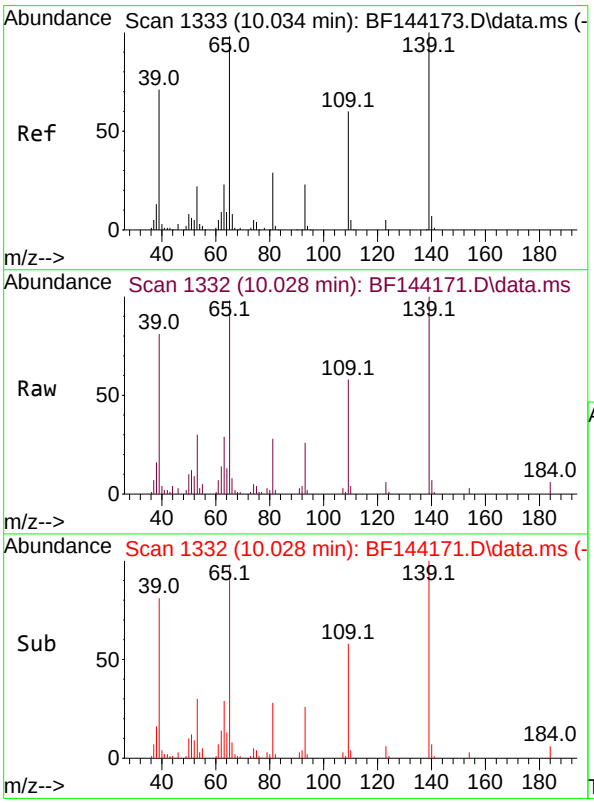
#55
Dibenzofuran
Concen: 10.530 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 208943

Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.2	45.2
169	15.2	12.2	18.4

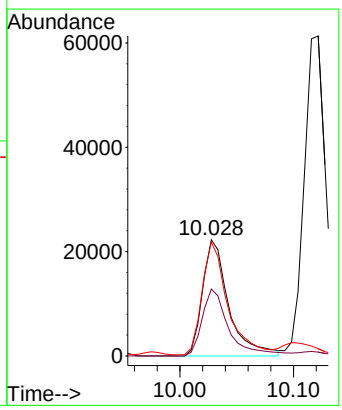


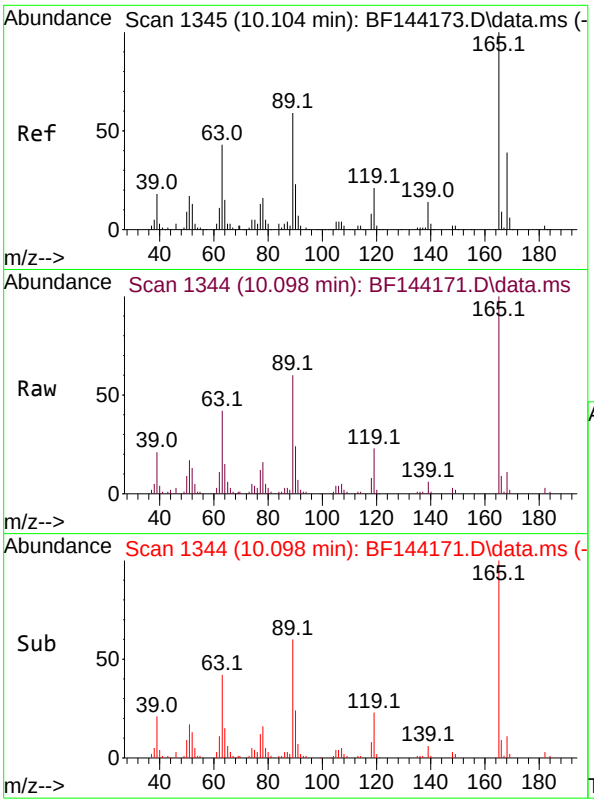


#56
4-Nitrophenol
Concen: 12.867 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:139 Resp: 35627

Ion	Ratio	Lower	Upper
139	100		
109	57.6	39.9	79.9
65	98.0	79.5	119.5



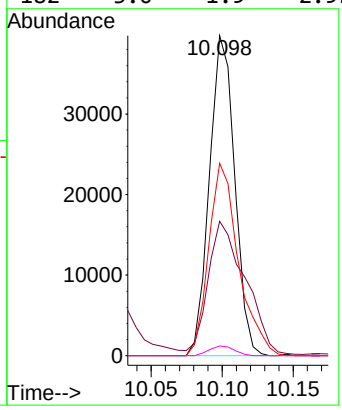


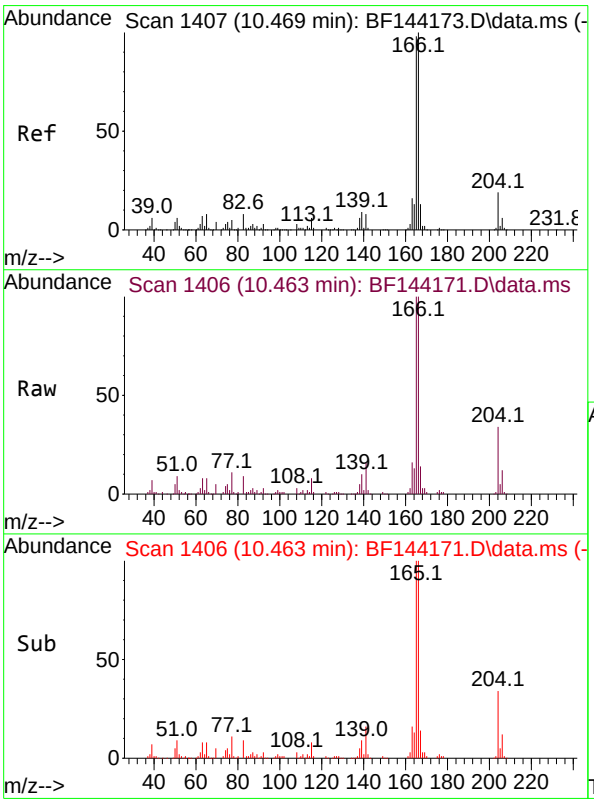
#57
2,4-Dinitrotoluene
Concen: 10.508 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 49257

Ion	Ratio	Lower	Upper
165	100		
63	42.0	35.5	53.3
89	60.1	47.4	71.2
182	3.0	1.9	2.9#

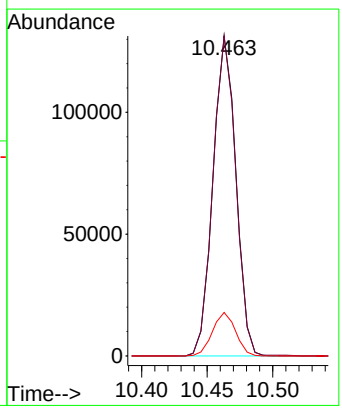


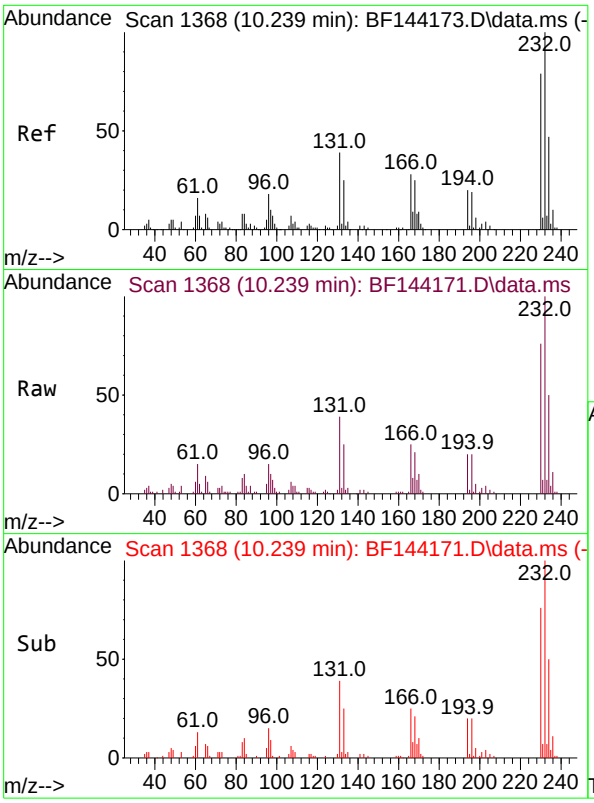


#58
Fluorene
Concen: 10.581 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:166 Resp: 159623

Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.6	118.0
167	13.6	10.4	15.6



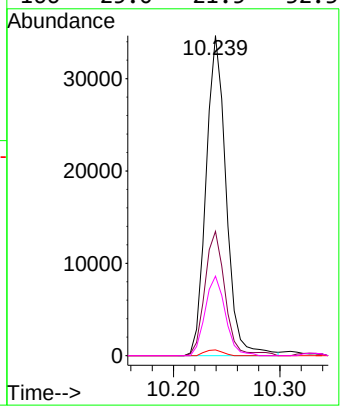


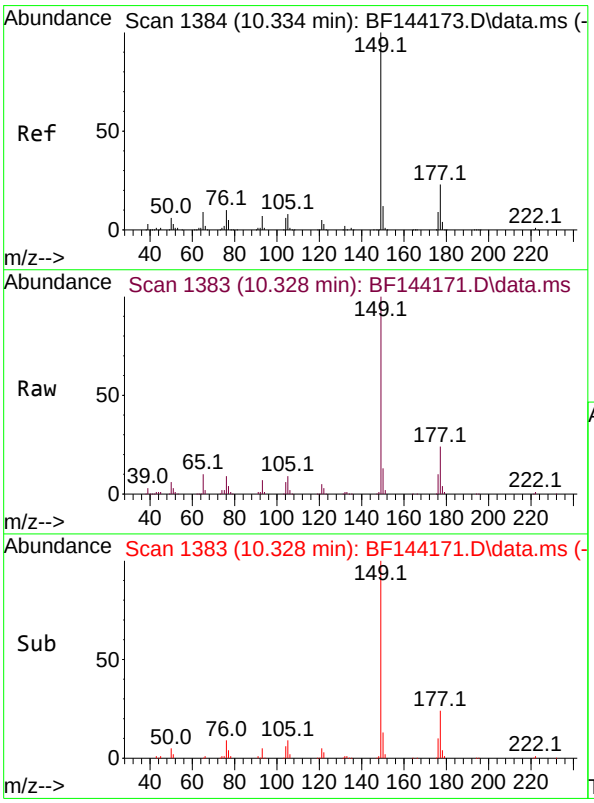
#59
2,3,4,6-Tetrachlorophenol
Concen: 10.207 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 45333

Ion	Ratio	Lower	Upper
232	100		
131	39.1	30.3	45.5
130	1.6	1.2	1.8
166	25.0	21.5	32.3

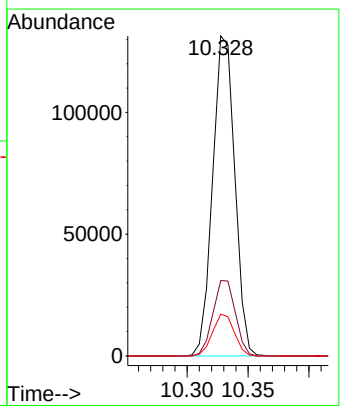


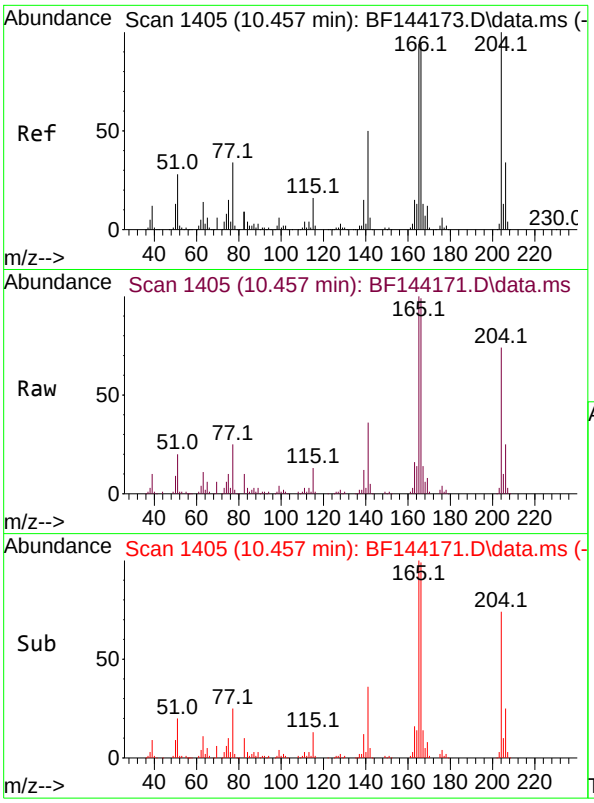


#60
Diethylphthalate
Concen: 10.426 ng
RT: 10.328 min Scan# 1383
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:149 Resp: 166246

Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.3	27.5
150	13.0	9.8	14.6



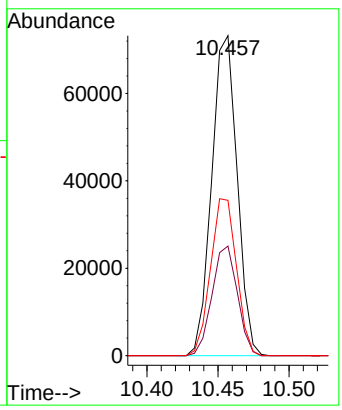


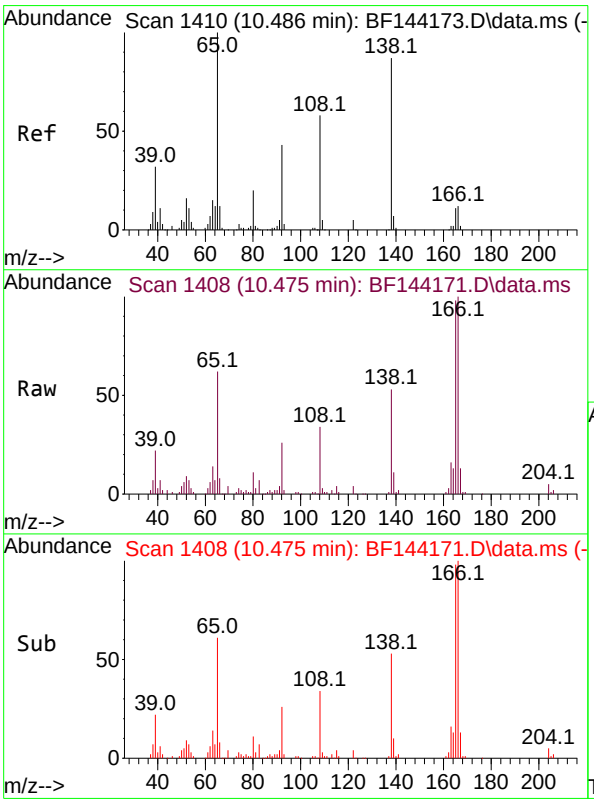
#61
4-Chlorophenyl-phenylether
Concen: 10.645 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 91478

Ion	Ratio	Lower	Upper
204	100		
206	34.2	27.4	41.2
141	48.5	40.0	60.0

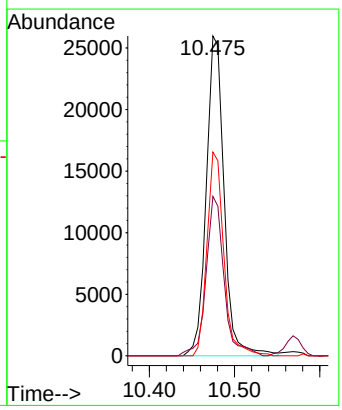


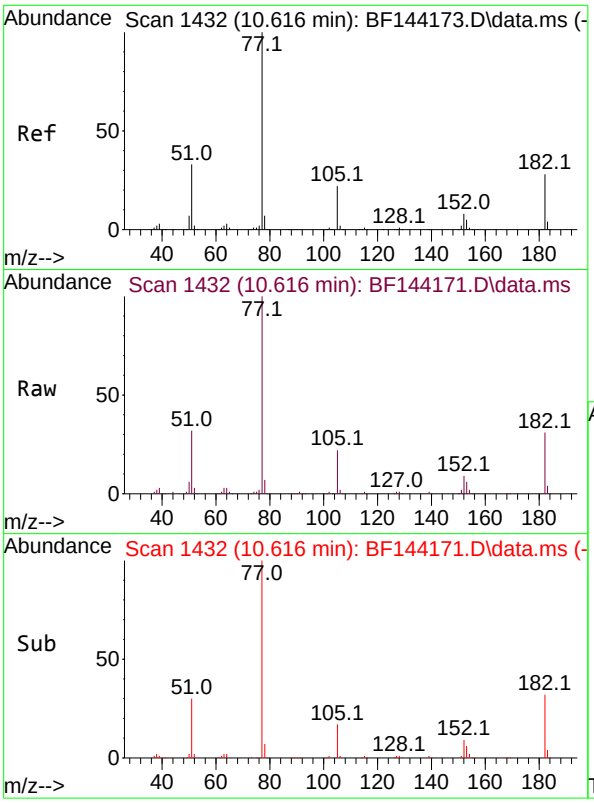


#62
4-Nitroaniline
Concen: 10.375 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.023 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:138 Resp: 37821

Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.4	69.4
108	63.7	46.4	86.4



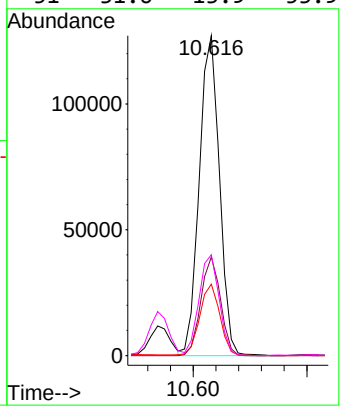


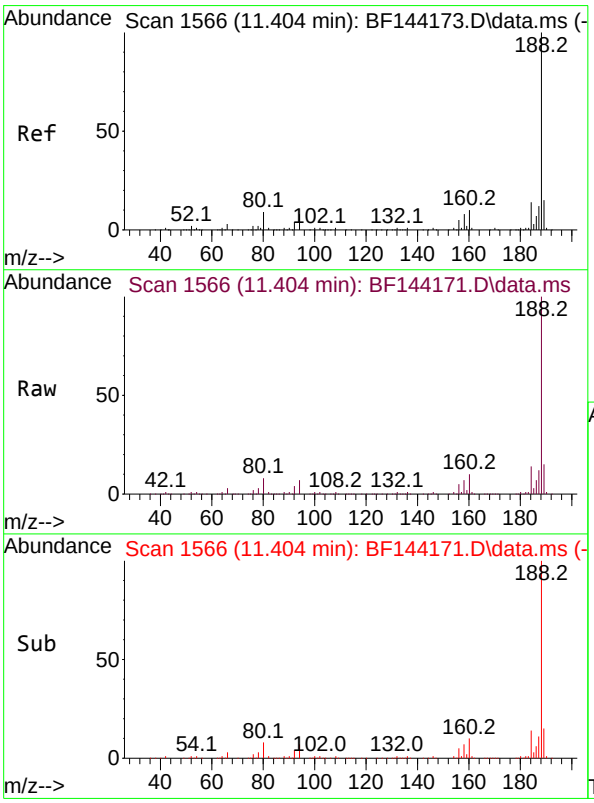
#63
Azobenzene
Concen: 10.586 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 157098

Ion	Ratio	Lower	Upper
77	100		
182	30.8	8.1	48.1
105	22.3	2.0	42.0
51	31.6	13.9	53.9

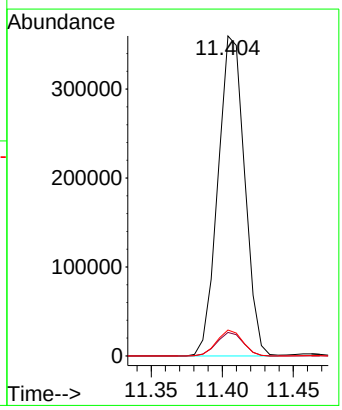


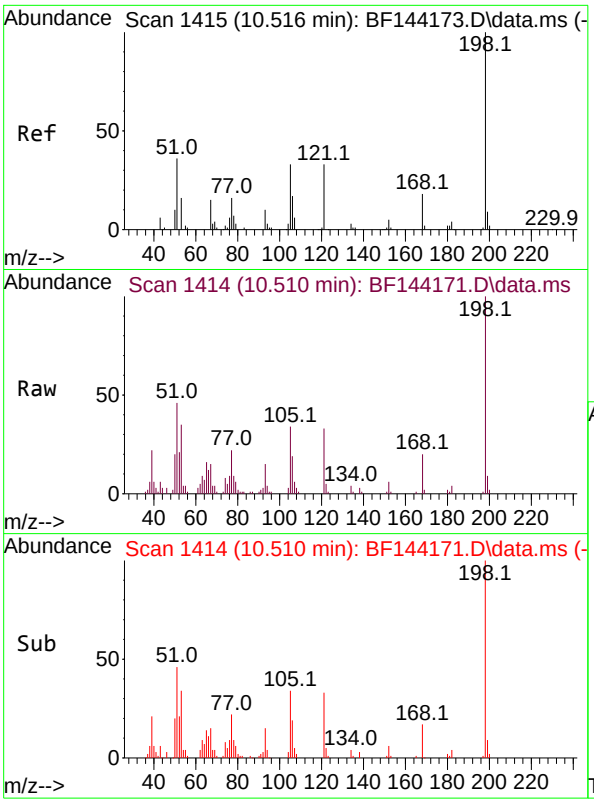


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:188 Resp: 469428

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	8.1	6.9	10.3



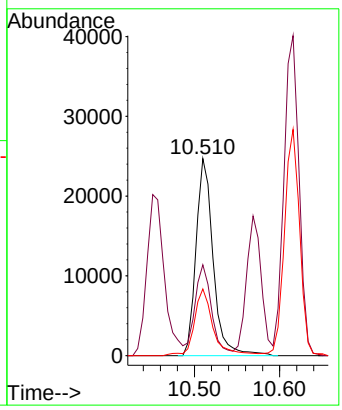


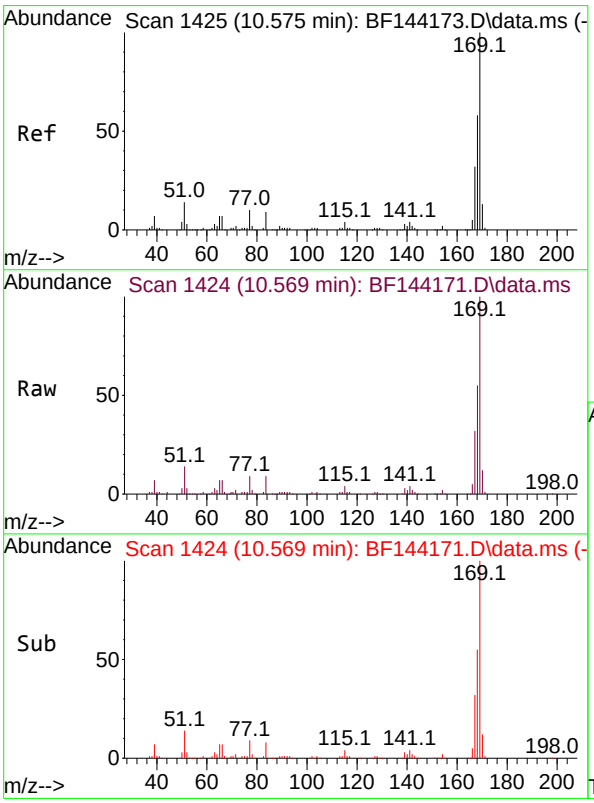
#65
4,6-Dinitro-2-methylphenol
Concen: 10.823 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 34516

Ion	Ratio	Lower	Upper
198	100		
51	46.1	25.6	65.6
105	33.8	14.6	54.6

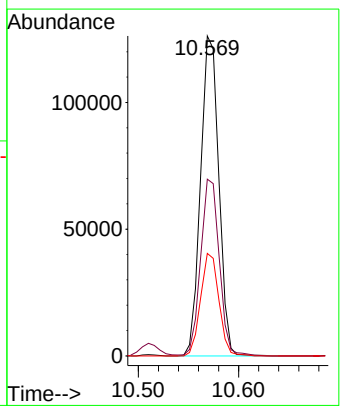


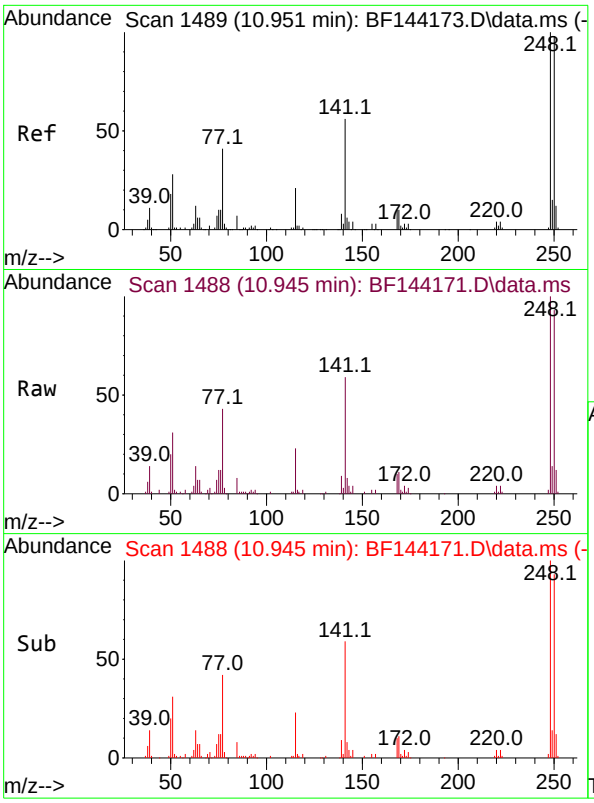


#66
n-Nitrosodiphenylamine
Concen: 10.509 ng
RT: 10.569 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:169 Resp: 158661

Ion	Ratio	Lower	Upper
169	100		
168	55.2	46.2	69.2
167	32.0	25.7	38.5



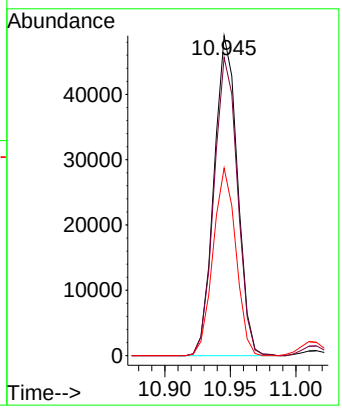


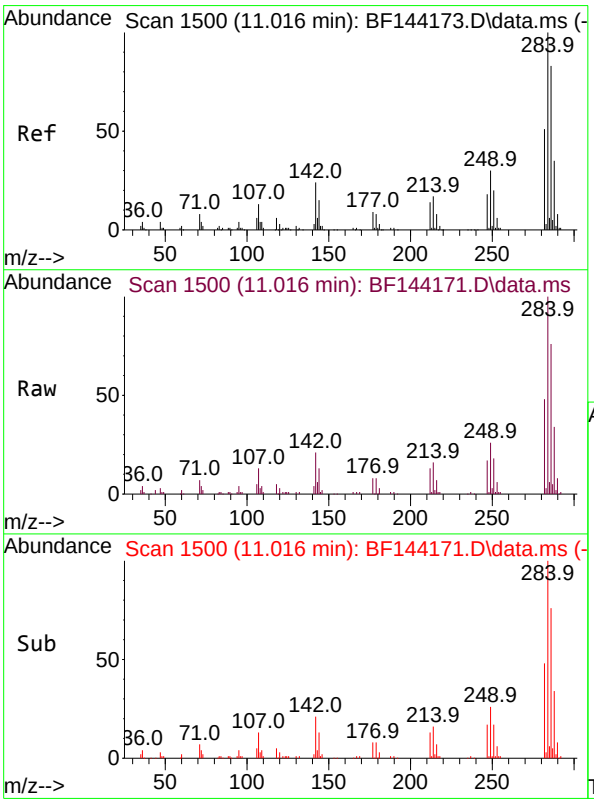
#67
4-Bromophenyl-phenylether
Concen: 10.169 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 60929

Ion	Ratio	Lower	Upper
248	100		
250	93.2	78.4	117.6
141	58.6	45.1	67.7

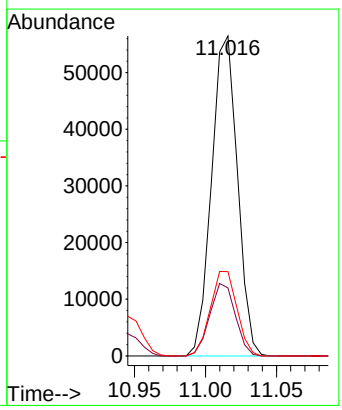


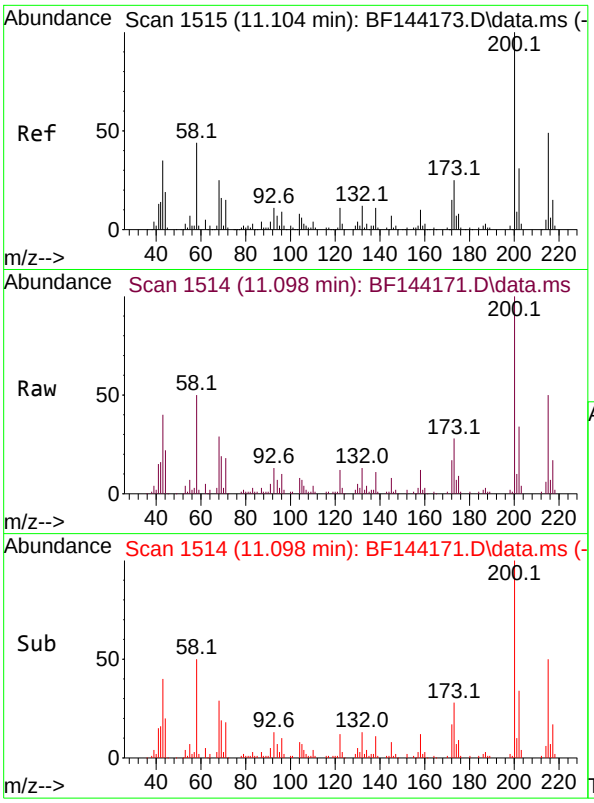


#68
Hexachlorobenzene
Concen: 10.168 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:284 Resp: 71759

Ion	Ratio	Lower	Upper
284	100		
142	21.2	19.2	28.8
249	26.3	23.8	35.8



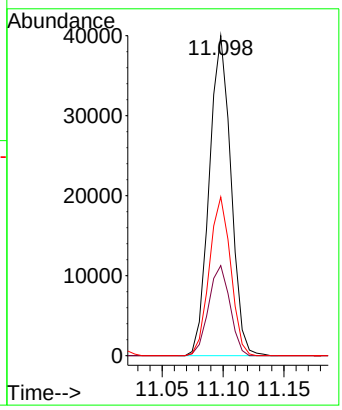


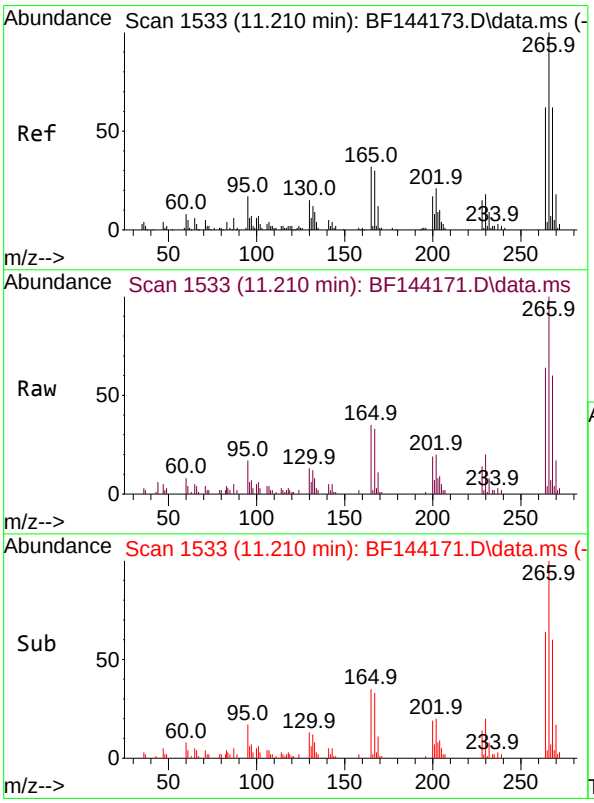
#69
Atrazine
Concen: 10.302 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 49466

Ion	Ratio	Lower	Upper
200	100		
173	28.1	5.0	45.0
215	49.6	28.7	68.7

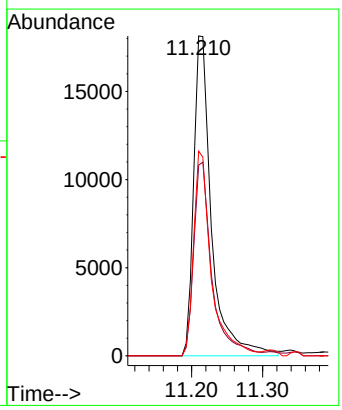


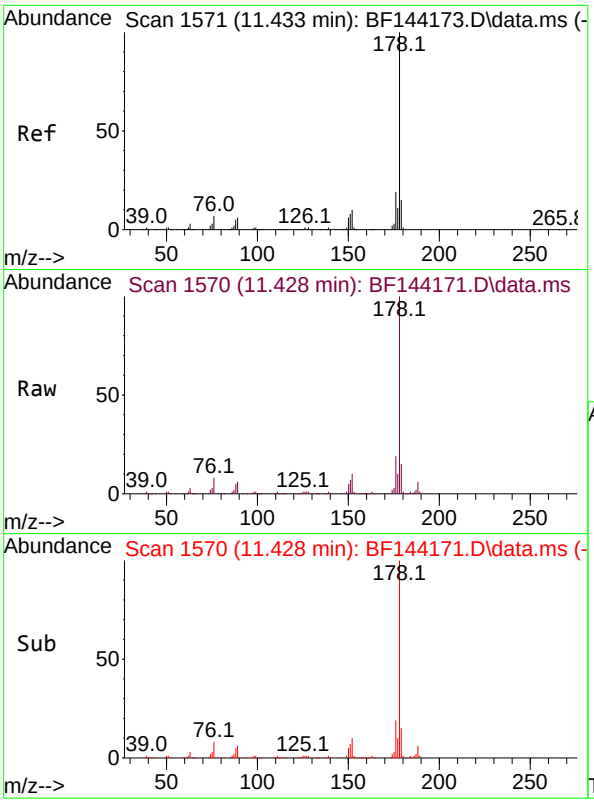


#70
Pentachlorophenol
Concen: 9.012 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:266 Resp: 31673

Ion	Ratio	Lower	Upper
266	100		
268	59.6	49.5	74.3
264	64.0	49.4	74.2



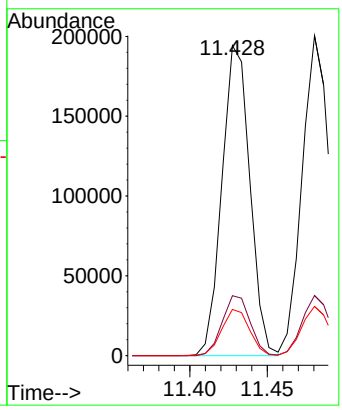


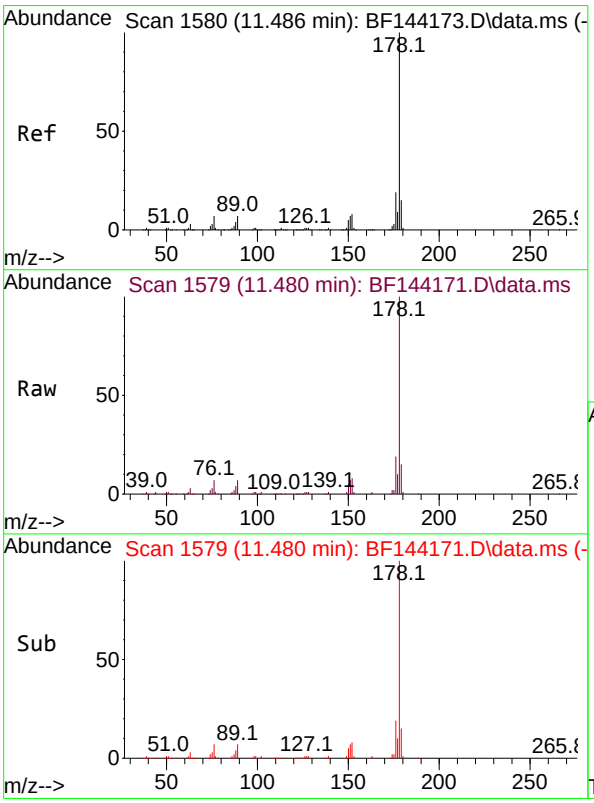
#71
Phenanthrene
Concen: 10.460 ng
RT: 11.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 244478

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	14.9	12.2	18.4

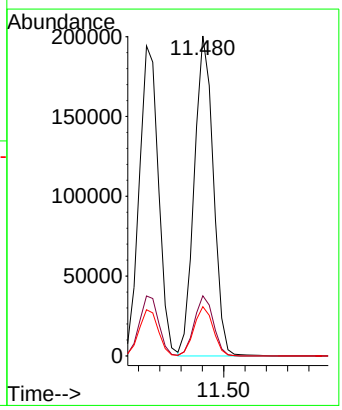


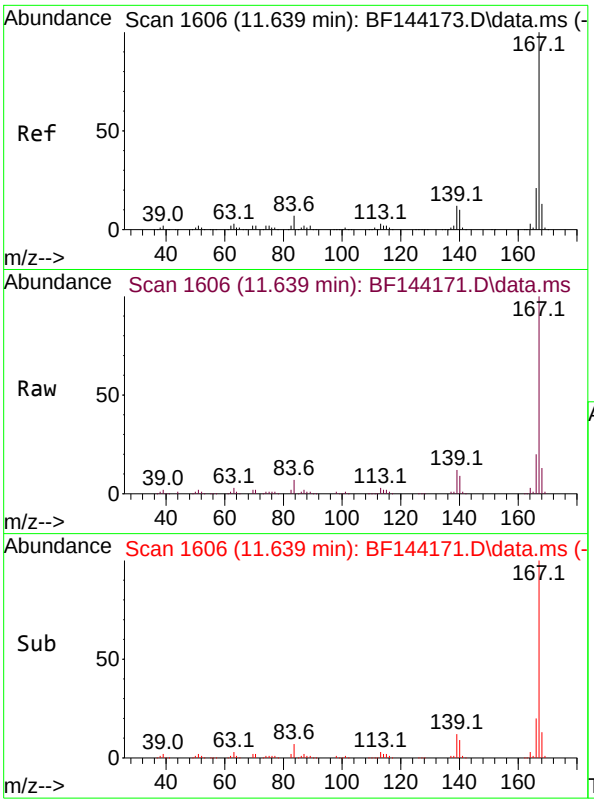


#72
Anthracene
Concen: 10.457 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:178 Resp: 248511

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.4	12.0	18.0



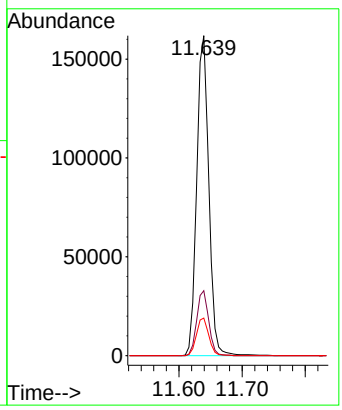


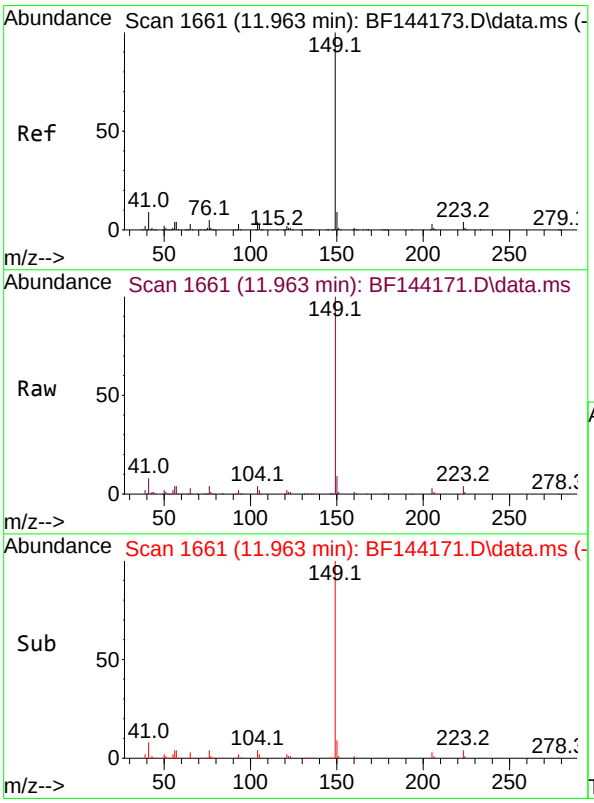
#73
Carbazole
Concen: 10.652 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 215269

Ion	Ratio	Lower	Upper
167	100		
166	20.3	17.2	25.8
139	11.7	9.9	14.9

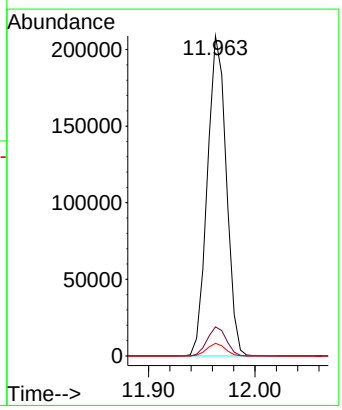


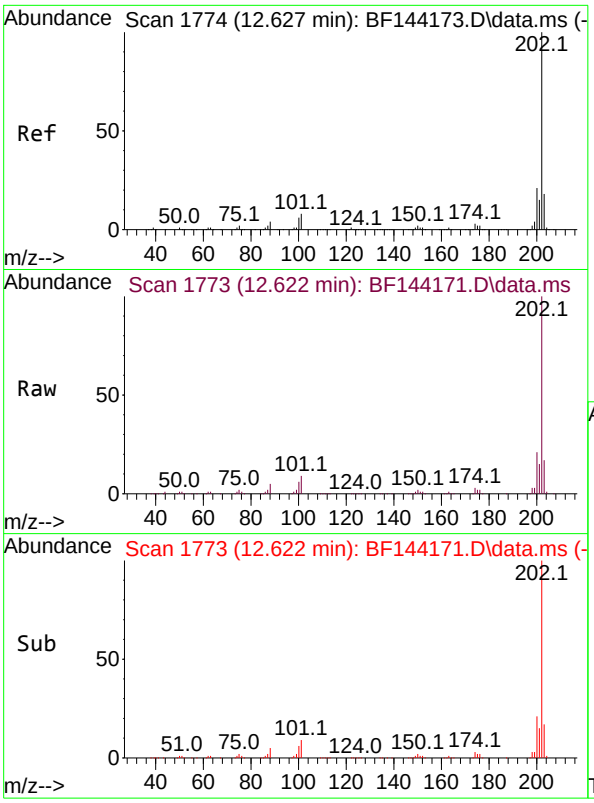


#74
Di-n-butylphthalate
Concen: 10.580 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:149 Resp: 258464

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	3.9	3.4	5.2



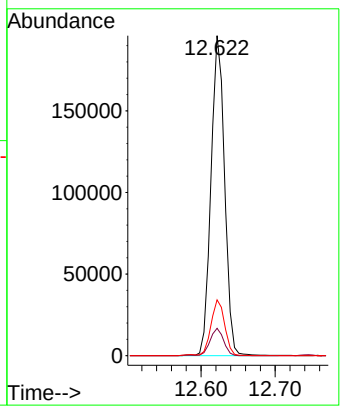


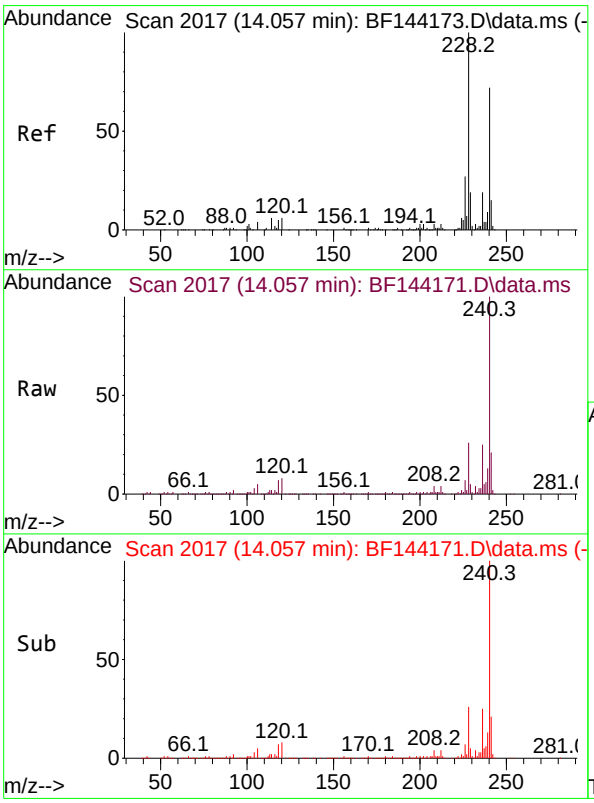
#75
Fluoranthene
Concen: 10.359 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 250112

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	27.9
203	17.4	0.0	37.5

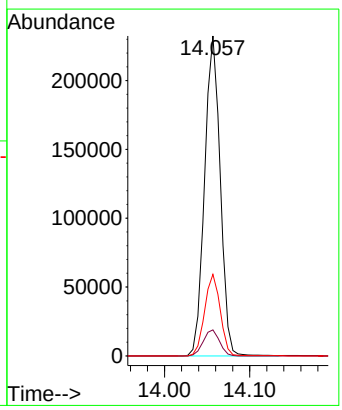


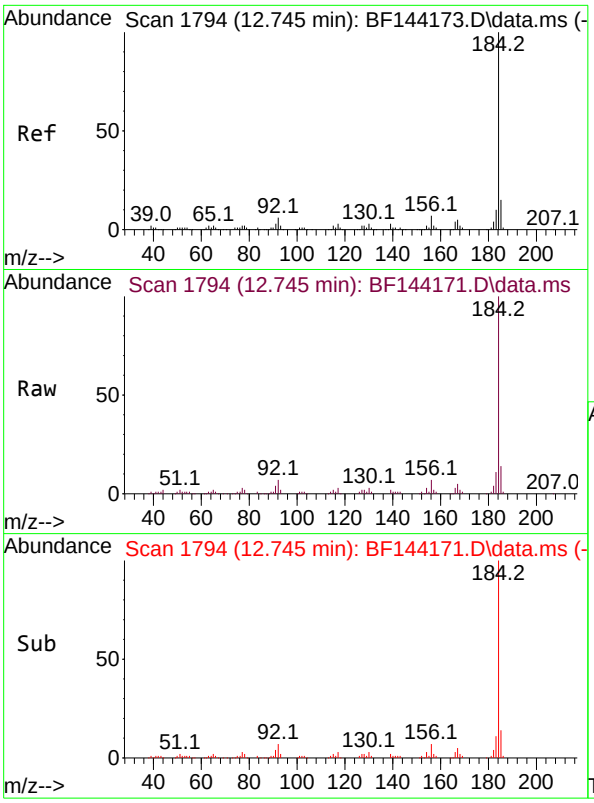


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:240 Resp: 296506

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.6	10.0
236	25.5	21.4	32.2



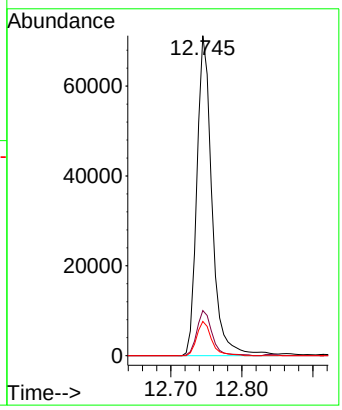


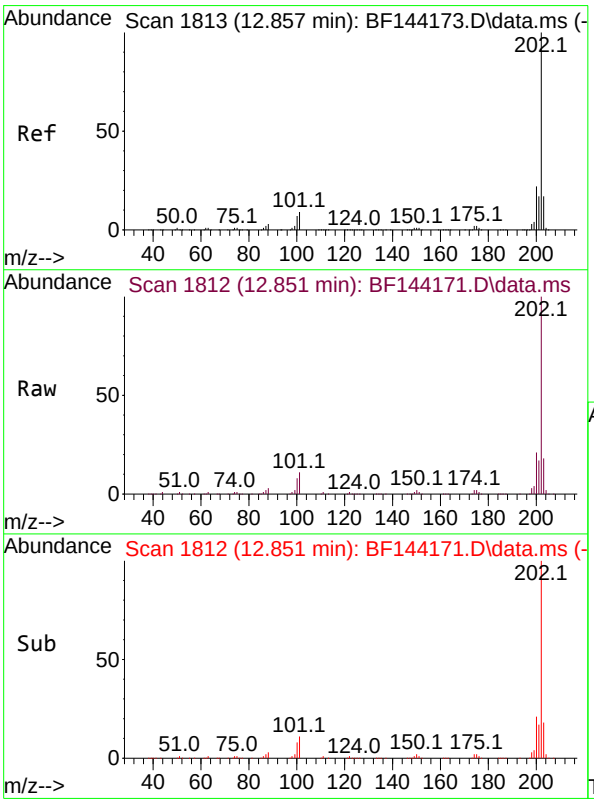
#77
Benzidine
Concen: 11.958 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 104876

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.7	17.5
183	10.7	8.3	12.5

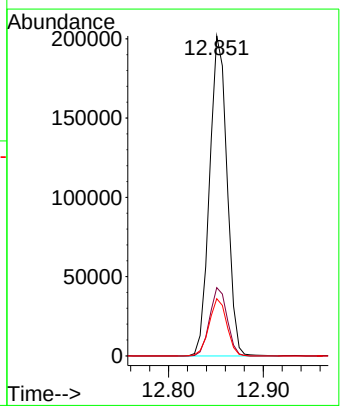


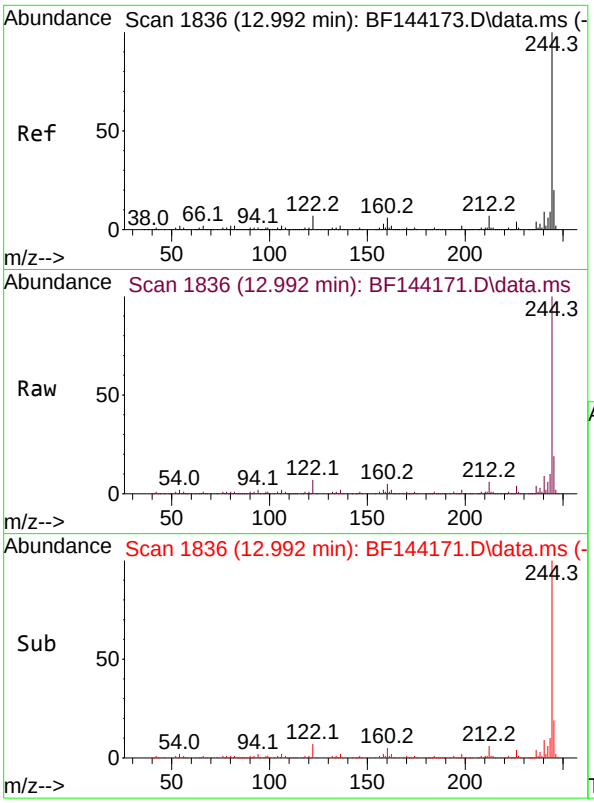


#78
Pyrene
Concen: 10.823 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:202 Resp: 258743

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.9	13.7	20.5



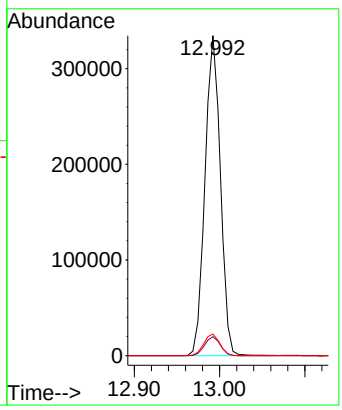


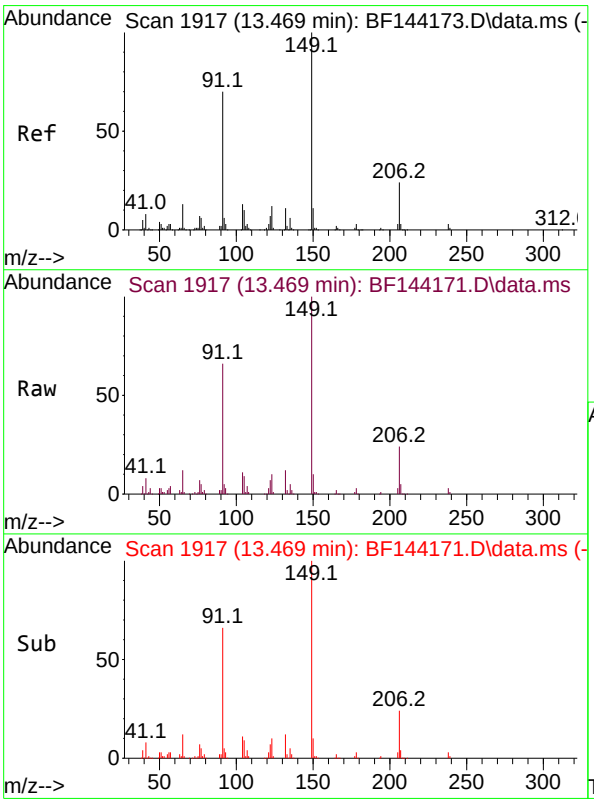
#79
Terphenyl-d14
Concen: 22.476 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 419548

Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.3	7.9
122	6.8	5.6	8.4

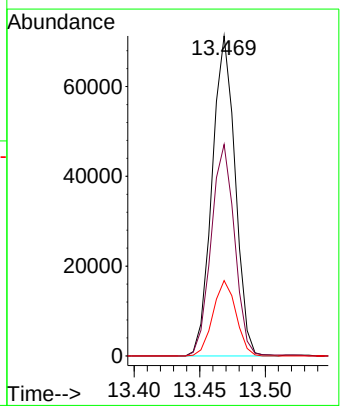


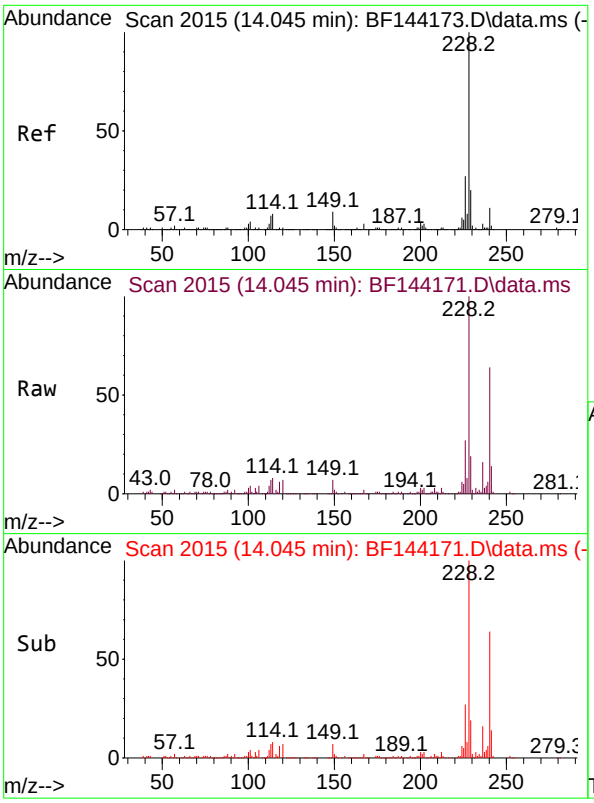


#80
Butylbenzylphthalate
Concen: 10.556 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:149 Resp: 87462

Ion	Ratio	Lower	Upper
149	100		
91	66.1	56.1	84.1
206	23.6	18.8	28.2



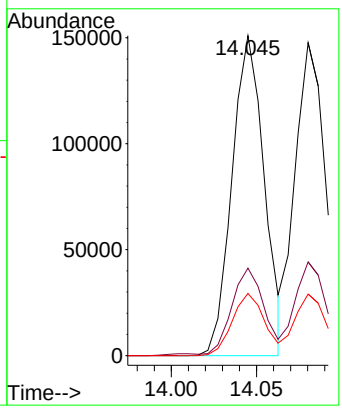


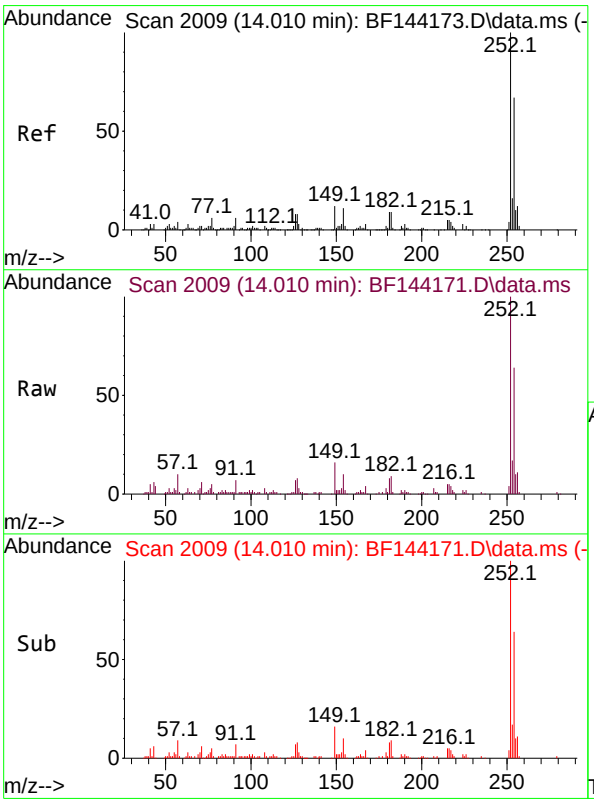
#81
Benzo(a)anthracene
Concen: 9.664 ng
RT: 14.045 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 198590

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.4	15.8	23.6

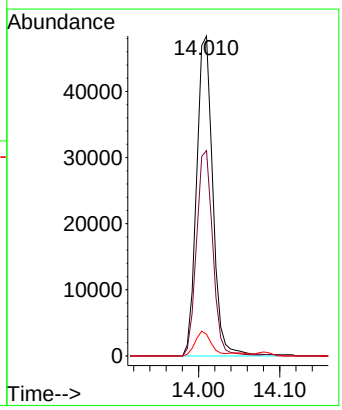


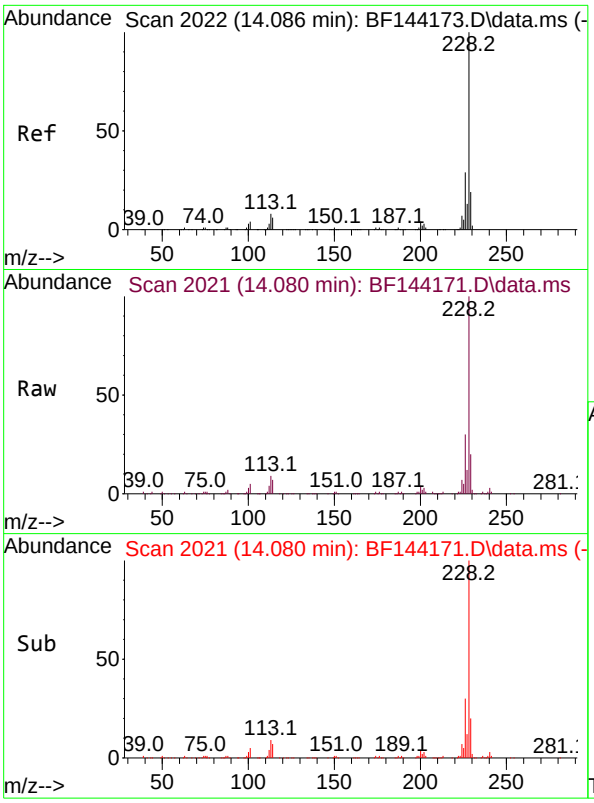


#82
3,3'-Dichlorobenzidine
Concen: 9.535 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:252 Resp: 67166

Ion	Ratio	Lower	Upper
252	100		
254	64.2	53.5	80.3
126	6.7	6.4	9.6



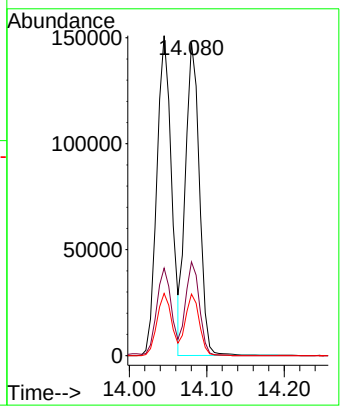


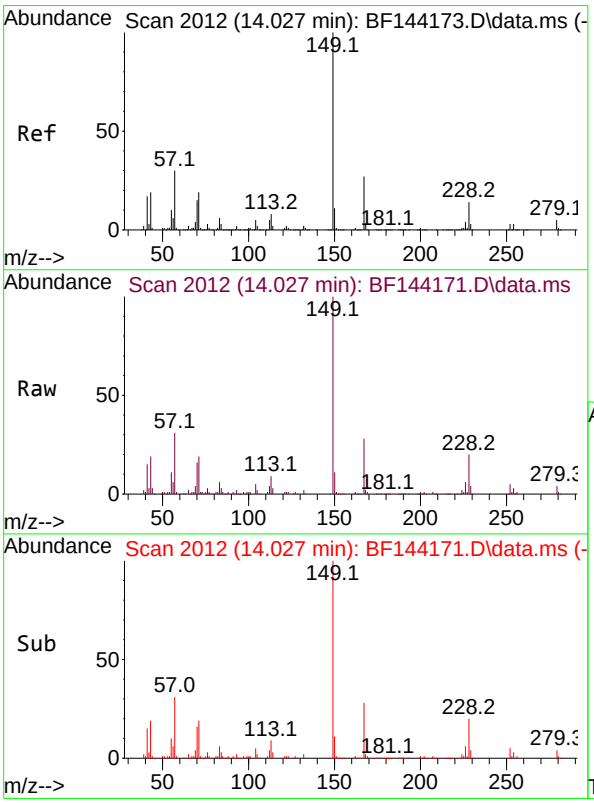
#83
Chrysene
Concen: 9.731 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 184604

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.9	34.3
229	19.7	15.0	22.6

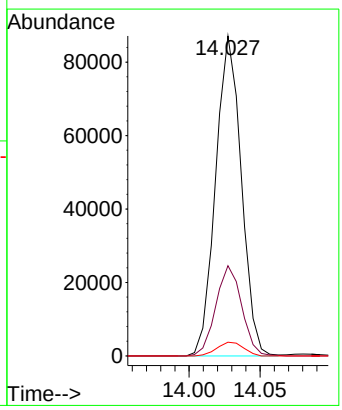


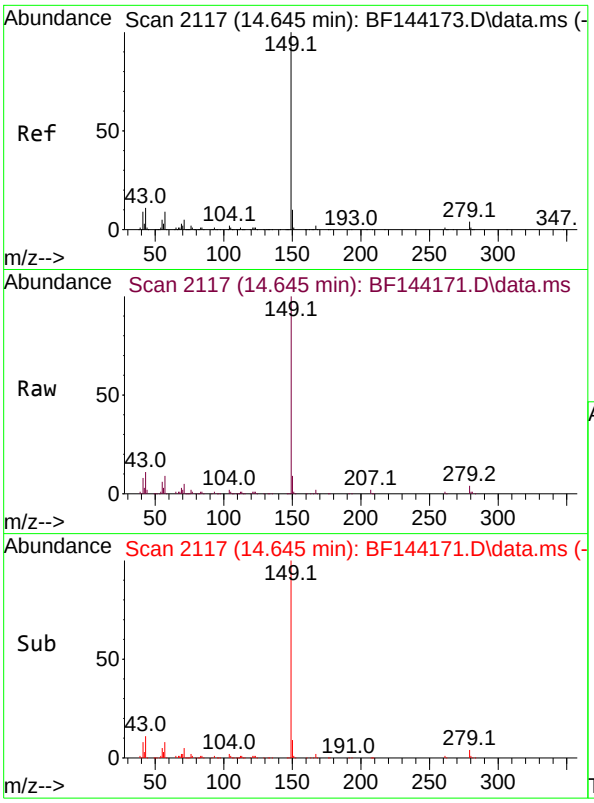


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.662 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:149 Resp: 109593

Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.8	32.8
279	4.3	3.7	5.5



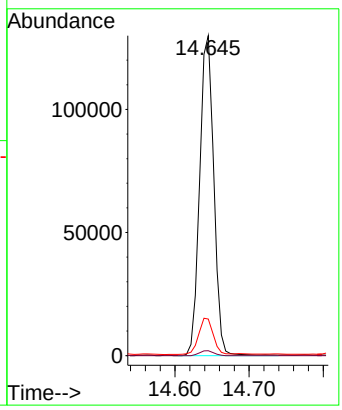


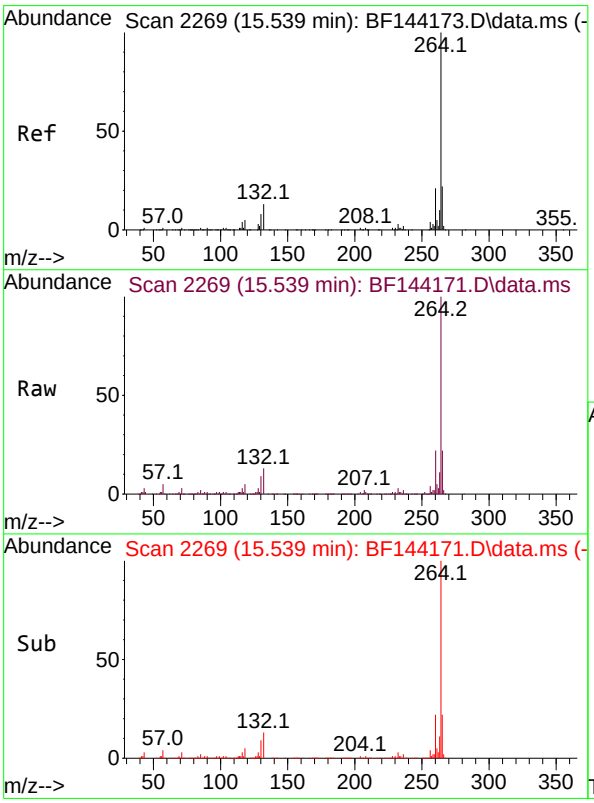
#85
Di-n-octyl phthalate
Concen: 8.811 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 172428

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.7	9.0	13.4

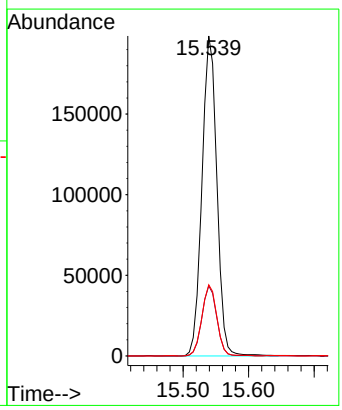


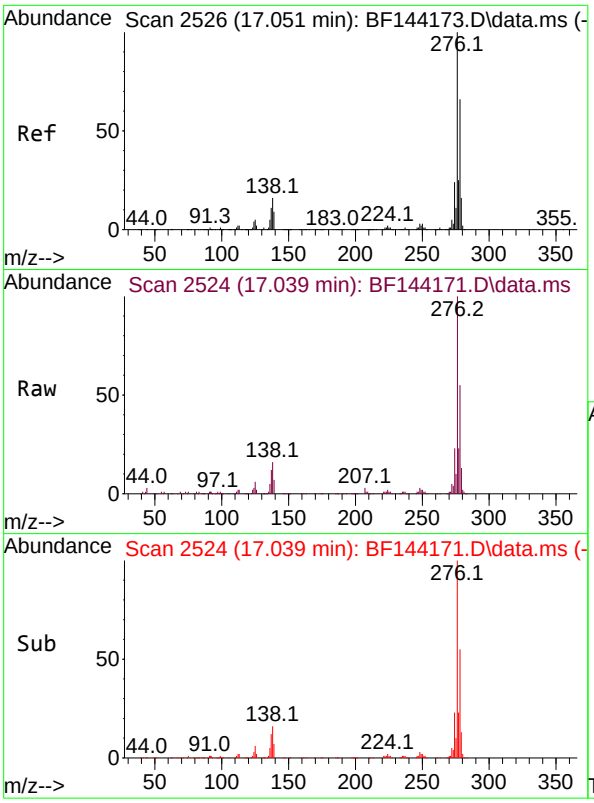


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:264 Resp: 311371

Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.1	25.7
265	22.2	17.4	26.0



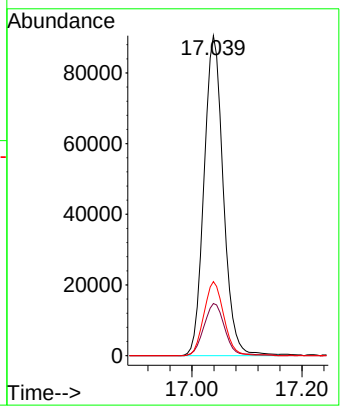


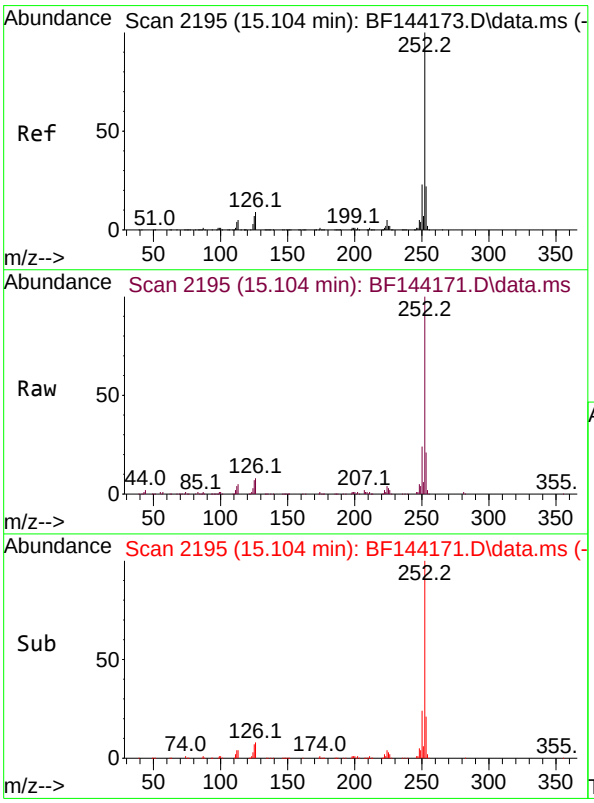
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.831 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 219736

Ion	Ratio	Lower	Upper
276	100		
138	17.7	13.9	20.9
277	23.8	19.8	29.6

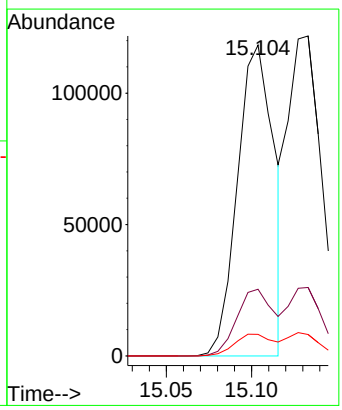


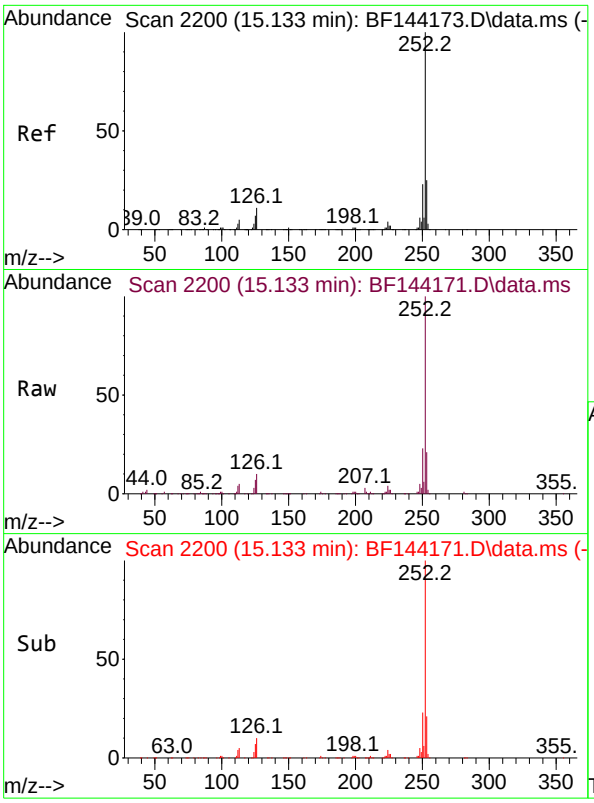


#88
Benzo(b)fluoranthene
Concen: 9.963 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:252 Resp: 176369

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	6.9	5.3	7.9



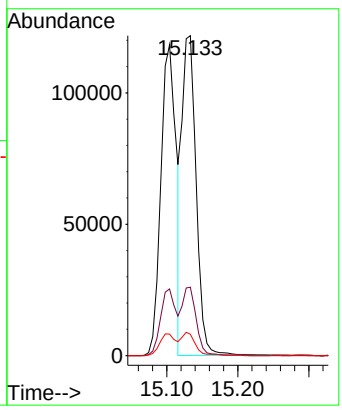


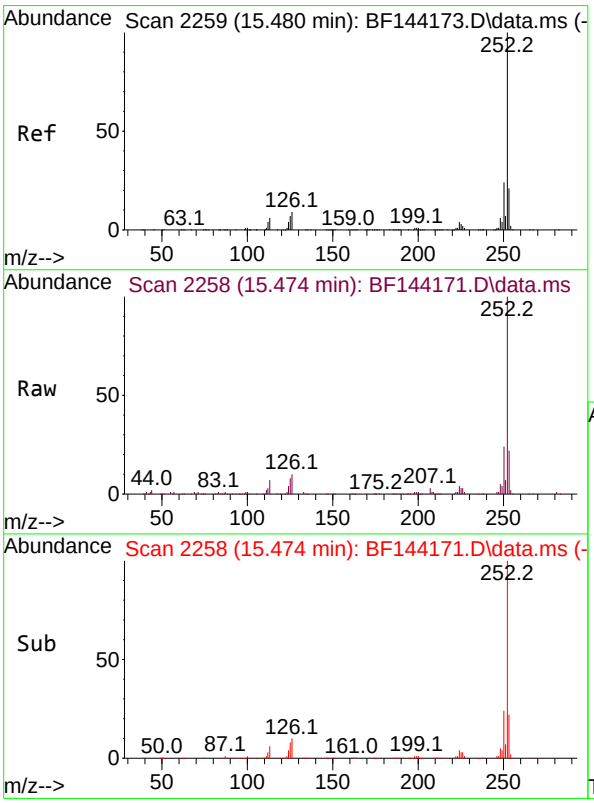
#89
Benzo(k)fluoranthene
Concen: 10.283 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 170386

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	6.7	5.4	8.2

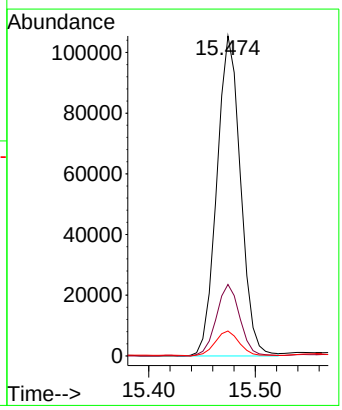


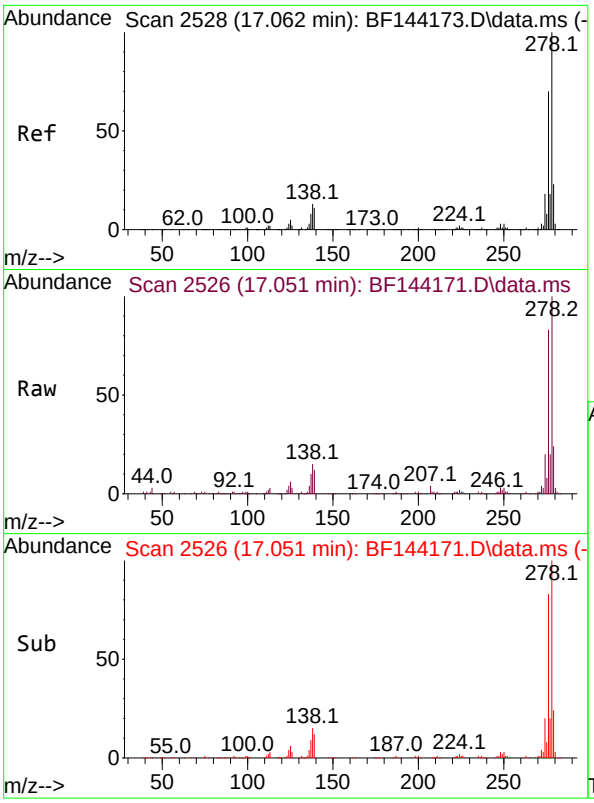


#90
Benzo(a)pyrene
Concen: 10.013 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:252 Resp: 163529

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.7	25.1
125	7.8	5.7	8.5



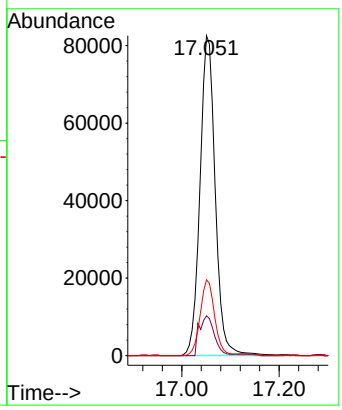


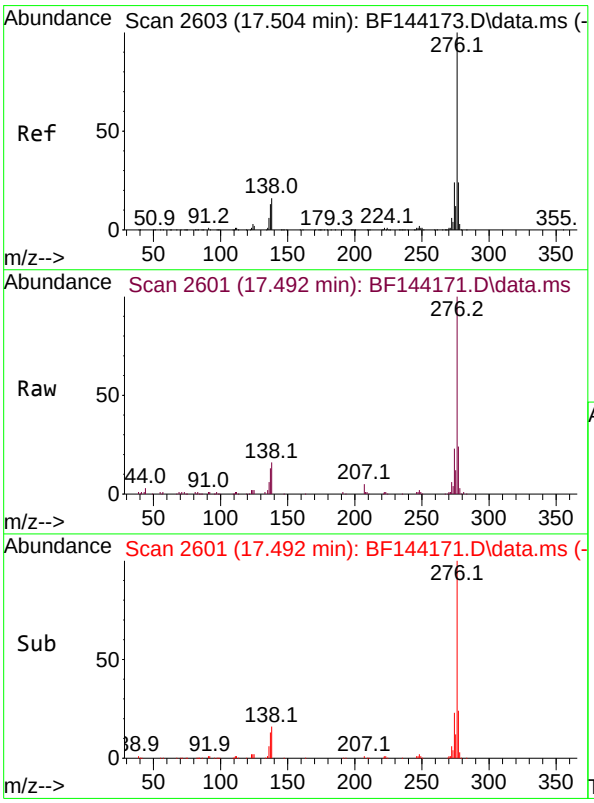
#91
Dibenzo(a,h)anthracene
Concen: 10.016 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 179793

Ion	Ratio	Lower	Upper
278	100		
139	12.5	9.1	13.7
279	23.7	18.2	27.4

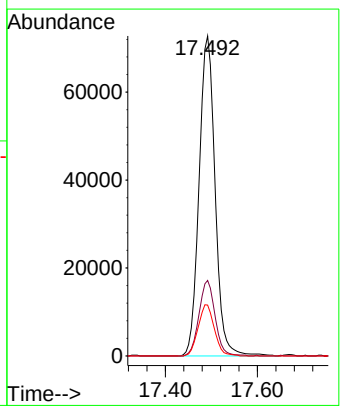




#92
Benzo(g,h,i)perylene
Concen: 9.877 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.029 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:276 Resp: 175090

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	15.9	12.9	19.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144172.D
Acq On : 05 Nov 2025 14:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 17:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.875	152	97055	20.000 ng	0.00
21) Naphthalene-d8	8.157	136	380834	20.000 ng	0.00
39) Acenaphthene-d10	9.916	164	220087	20.000 ng	0.00
64) Phenanthrene-d10	11.404	188	388430	20.000 ng	0.00
76) Chrysene-d12	14.057	240	250706	20.000 ng	0.00
86) Perylene-d12	15.539	264	297677	20.000 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	5.487	112	255468	41.191 ng	0.00
7) Phenol-d6	6.498	99	293338	41.742 ng	-0.01
23) Nitrobenzene-d5	7.434	82	265652	40.287 ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	112928	40.889 ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	599169	40.208 ng	0.00
79) Terphenyl-d14	12.992	244	638611	40.461 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.611	88	50319	19.624 ng	99
3) Pyridine	3.387	79	144716	20.230 ng	97
4) n-Nitrosodimethylamine	3.322	42	70474	18.860 ng	99
6) Aniline	6.534	93	205178	20.492 ng	100
8) 2-Chlorophenol	6.657	128	125443	20.624 ng	99
9) Benzaldehyde	6.428	77	88978	22.422 ng	99
10) Phenol	6.516	94	178562	20.797 ng	99
11) bis(2-Chloroethyl)ether	6.604	93	130219	20.814 ng	98
12) 1,3-Dichlorobenzene	6.816	146	153679	20.476 ng	97
13) 1,4-Dichlorobenzene	6.893	146	153656	20.435 ng	99
14) 1,2-Dichlorobenzene	7.046	146	144447	20.042 ng	99
15) Benzyl Alcohol	7.016	79	115331	20.726 ng	99
16) 2,2'-oxybis(1-Chloropr...	7.140	45	242281	21.029 ng	95
17) 2-Methylphenol	7.122	107	97725	20.196 ng	96
18) Hexachloroethane	7.387	117	51648	20.675 ng	100
19) n-Nitroso-di-n-propyla...	7.281	70	96676	20.897 ng	99
20) 3+4-Methylphenols	7.275	107	118666	20.804 ng	94
22) Acetophenone	7.281	105	165374	20.242 ng	97
24) Nitrobenzene	7.457	77	143192	20.000 ng	97
25) Isophorone	7.693	82	254863	20.434 ng	97
26) 2-Nitrophenol	7.775	139	72909	20.572 ng	97
27) 2,4-Dimethylphenol	7.804	122	100827	18.981 ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	157029	20.161 ng	96
29) 2,4-Dichlorophenol	8.016	162	125803	20.548 ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	126402	20.106 ng	96
31) Naphthalene	8.181	128	373973	20.643 ng	99
32) Benzoic acid	7.916	122	83801	21.522 ng	97
33) 4-Chloroaniline	8.228	127	135273	20.474 ng	99
34) Hexachlorobutadiene	8.292	225	95971	20.255 ng	99
35) Caprolactam	8.587	113	35272	21.028 ng	98
36) 4-Chloro-3-methylphenol	8.704	107	115603	21.069 ng	99
37) 2-Methylnaphthalene	8.869	142	253201	20.905 ng	99
38) 1-Methylnaphthalene	8.969	142	240612	20.588 ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	144980	20.100 ng	99
41) Hexachlorocyclopentadiene	9.022	237	31247	18.527 ng	98
43) 2,4,6-Trichlorophenol	9.151	196	98855	20.136 ng	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144172.D
Acq On : 05 Nov 2025 14:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 17:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	109277	20.653 ng	98
46) 1,1'-Biphenyl	9.334	154	313667	20.417 ng	99
47) 2-Chloronaphthalene	9.357	162	265522	20.262 ng	99
48) 2-Nitroaniline	9.457	65	76785	20.308 ng	97
49) Acenaphthylene	9.775	152	369018	20.664 ng	98
50) Dimethylphthalate	9.628	163	299125	20.516 ng	99
51) 2,6-Dinitrotoluene	9.698	165	59656	20.212 ng	96
52) Acenaphthene	9.945	154	246497	20.641 ng	99
53) 3-Nitroaniline	9.869	138	66539	20.623 ng	98
54) 2,4-Dinitrophenol	9.981	184	36453	20.453 ng	96
55) Dibenzofuran	10.122	168	348955	20.864 ng	98
56) 4-Nitrophenol	10.028	139	44352	19.003 ng	99
57) 2,4-Dinitrotoluene	10.104	165	81812	20.706 ng	98
58) Fluorene	10.463	166	263546	20.725 ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	73978	19.762 ng	97
60) Diethylphthalate	10.334	149	276008	20.535 ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	149181	20.595 ng	99
62) 4-Nitroaniline	10.481	138	64484	20.987 ng	97
63) Azobenzene	10.616	77	252025	20.147 ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	53585	20.307 ng	99
66) n-Nitrosodiphenylamine	10.575	169	246642	19.743 ng	99
67) 4-Bromophenyl-phenylether	10.945	248	98958	19.959 ng	98
68) Hexachlorobenzene	11.016	284	118426	20.279 ng	94
69) Atrazine	11.098	200	83639	21.052 ng	98
70) Pentachlorophenol	11.210	266	55766	19.177 ng	99
71) Phenanthrene	11.433	178	382805	19.794 ng	99
72) Anthracene	11.481	178	399043	20.292 ng	98
73) Carbazole	11.639	167	342636	20.490 ng	99
74) Di-n-butylphthalate	11.963	149	418262	20.691 ng	100
75) Fluoranthene	12.622	202	408870	20.466 ng	99
77) Benzidine	12.745	184	130033	17.535 ng	100
78) Pyrene	12.851	202	408920	20.229 ng	99
80) Butylbenzylphthalate	13.469	149	137856	19.677 ng	99
81) Benzo(a)anthracene	14.045	228	333458	19.191 ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	115478	19.389 ng	96
83) Chrysene	14.080	228	320726	19.995 ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	189305	19.738 ng	100
85) Di-n-octyl phthalate	14.645	149	318841	19.268 ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	430691	20.155 ng	99
88) Benzo(b)fluoranthene	15.104	252	331673	19.598 ng	100
89) Benzo(k)fluoranthene	15.133	252	322479	20.358 ng	98
90) Benzo(a)pyrene	15.474	252	314894	20.169 ng	97
91) Dibenzo(a,h)anthracene	17.057	278	349788	20.383 ng	99
92) Benzo(g,h,i)perylene	17.498	276	343144	20.248 ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

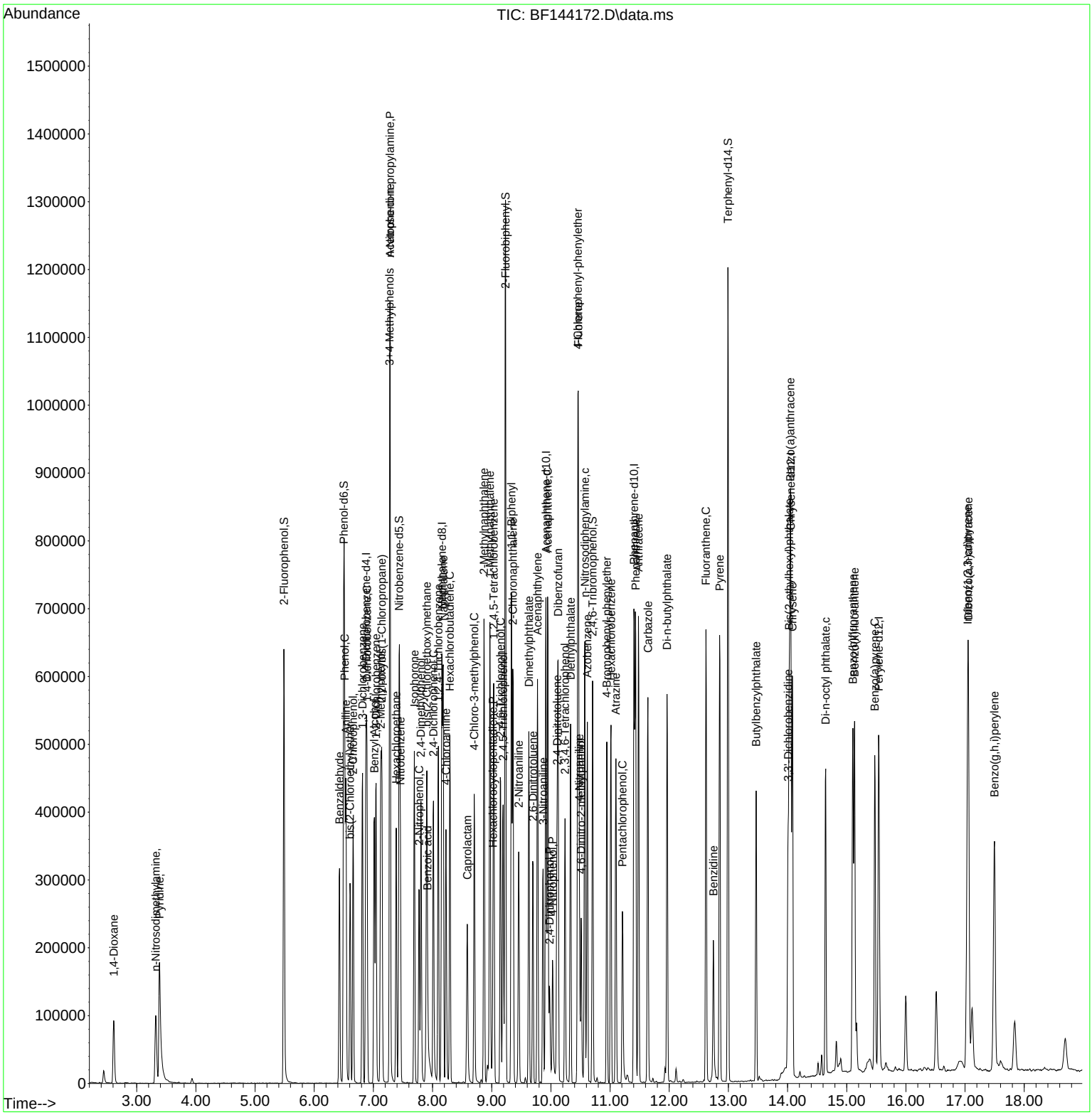
Quantitation Report (QT Reviewed)

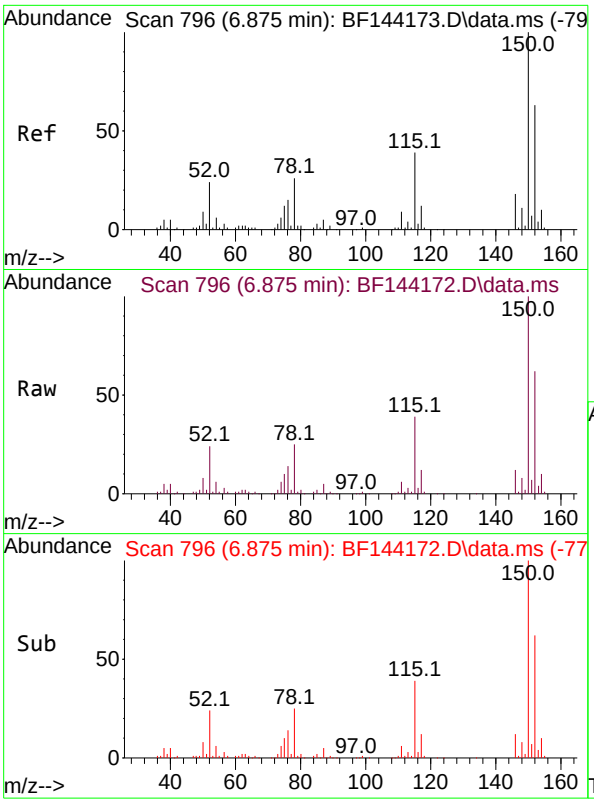
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144172.D
Acq On : 05 Nov 2025 14:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 17:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



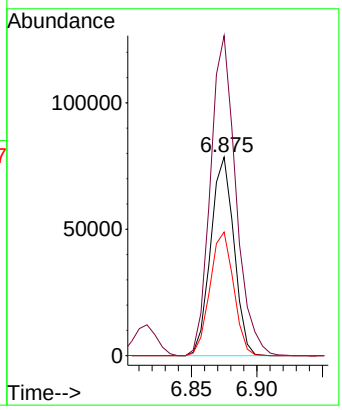


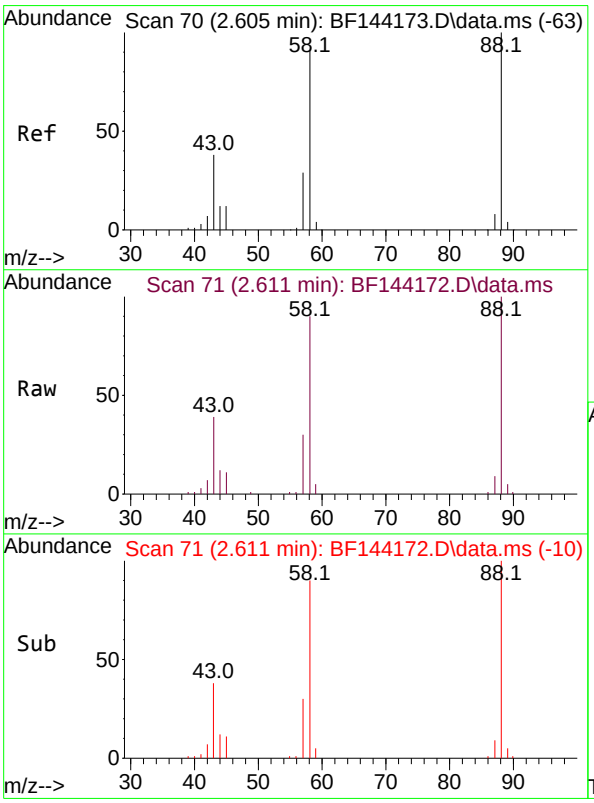
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 97055

Ion	Ratio	Lower	Upper
152	100		
150	161.2	127.4	191.0
115	62.2	49.5	74.3

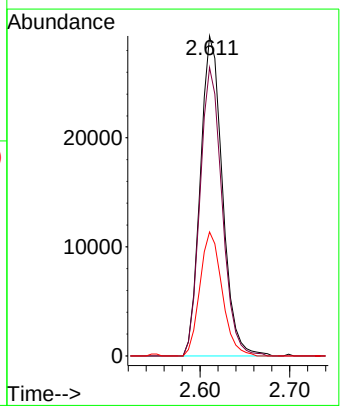


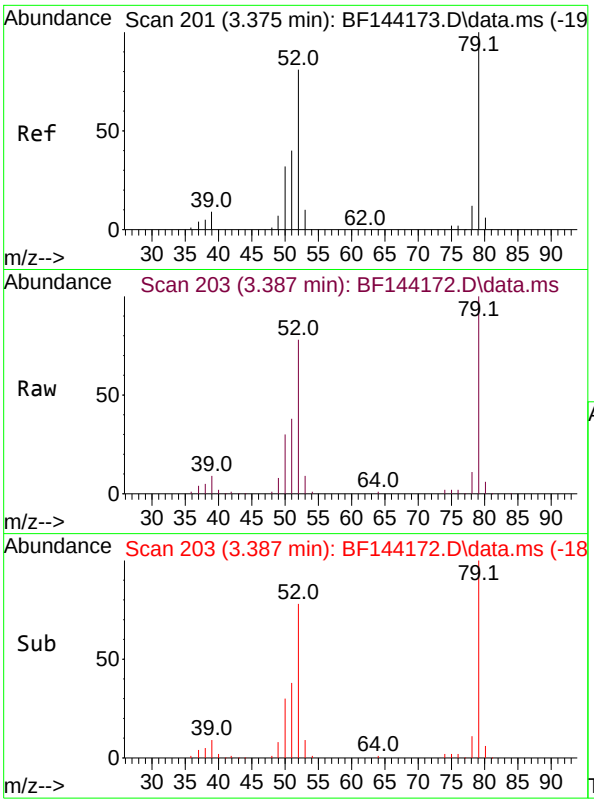


#2
1,4-Dioxane
Concen: 19.624 ng
RT: 2.611 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 88 Resp: 50319

Ion	Ratio	Lower	Upper
88	100		
58	89.7	73.1	109.7
43	38.8	31.0	46.6



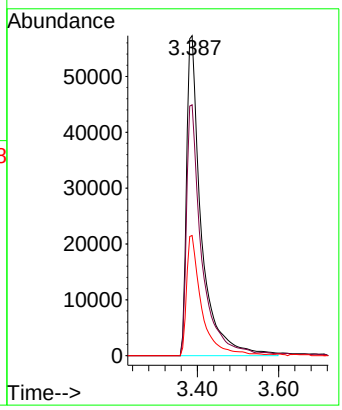


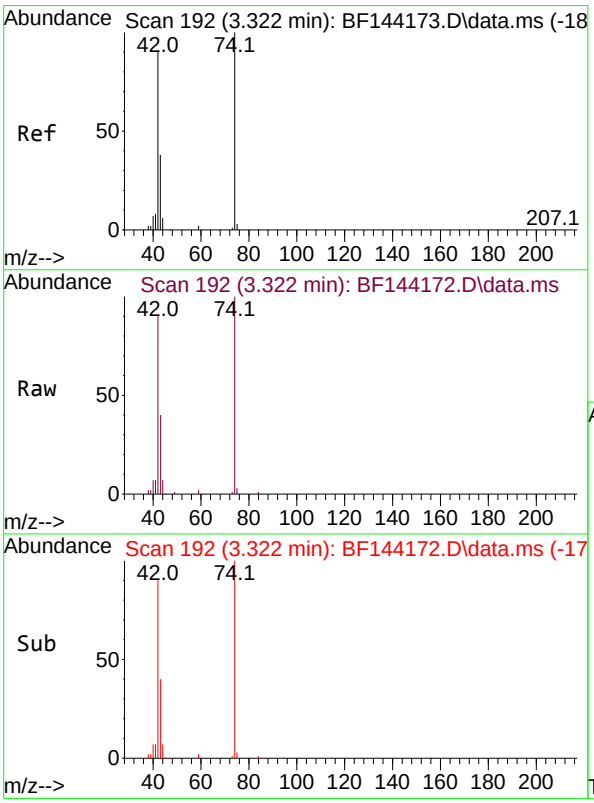
#3
Pyridine
Concen: 20.230 ng
RT: 3.387 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 144716

Ion	Ratio	Lower	Upper
79	100		
52	78.4	64.5	96.7
51	37.5	31.7	47.5

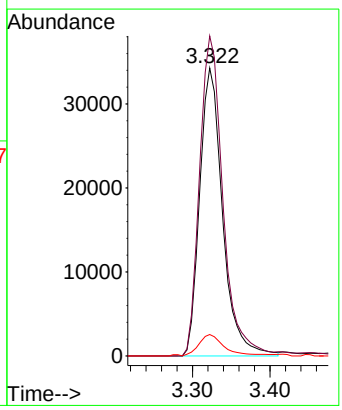


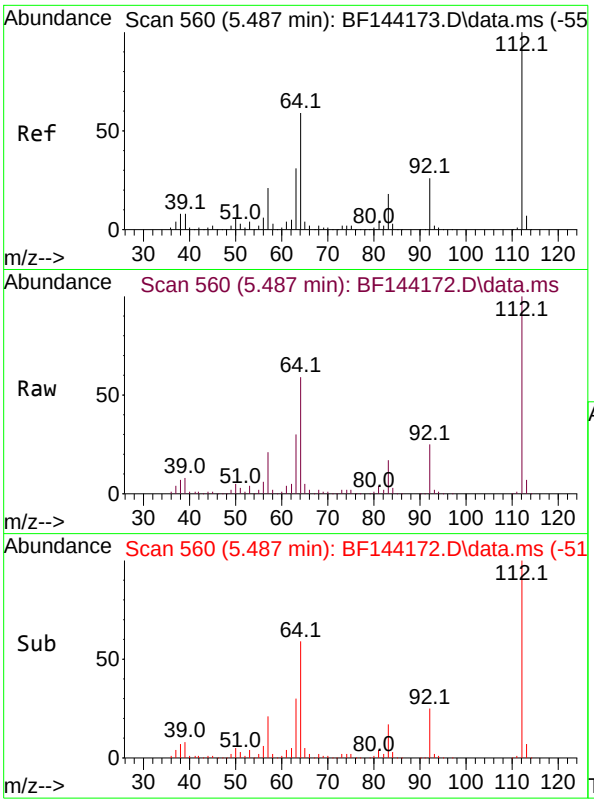


#4
n-Nitrosodimethylamine
Concen: 18.860 ng
RT: 3.322 min Scan# 192
Delta R.T. -0.023 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 42 Resp: 70474

Ion	Ratio	Lower	Upper
42	100		
74	111.1	88.2	132.4
44	7.4	5.7	8.5



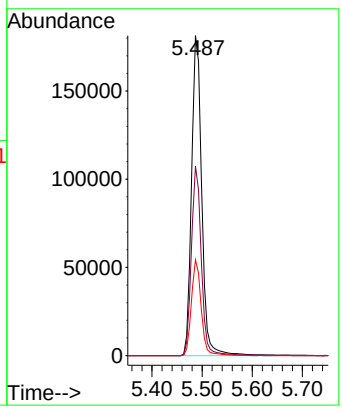


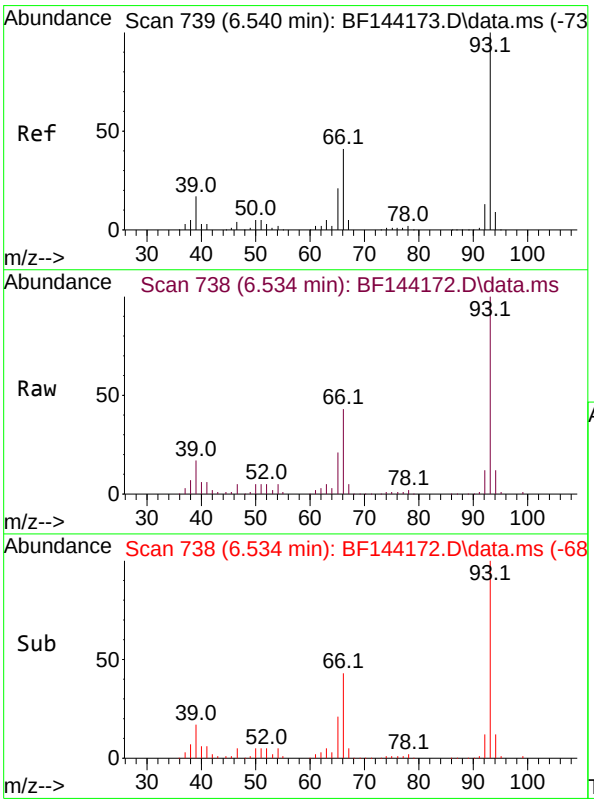
#5
2-Fluorophenol
Concen: 41.191 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 255468

Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.2	70.8
63	29.9	24.4	36.6

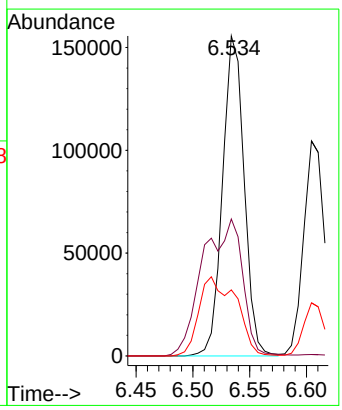


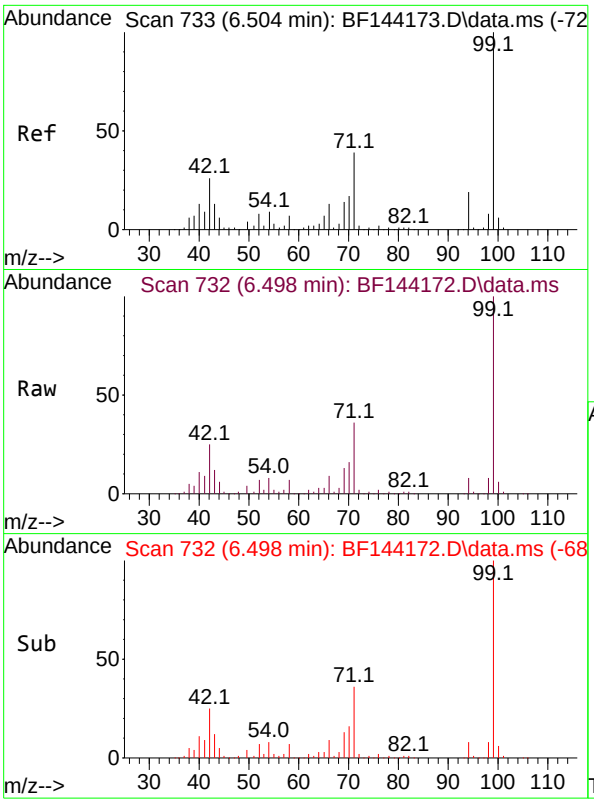


#6
Aniline
Concen: 20.492 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 93 Resp: 205178

Ion	Ratio	Lower	Upper
93	100		
66	42.8	34.3	51.5
65	20.6	16.9	25.3



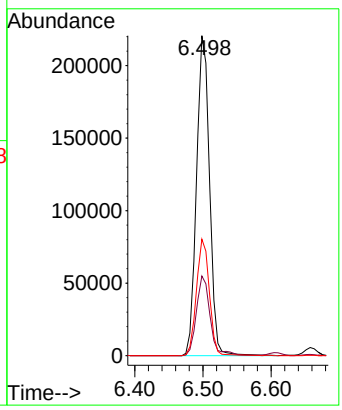


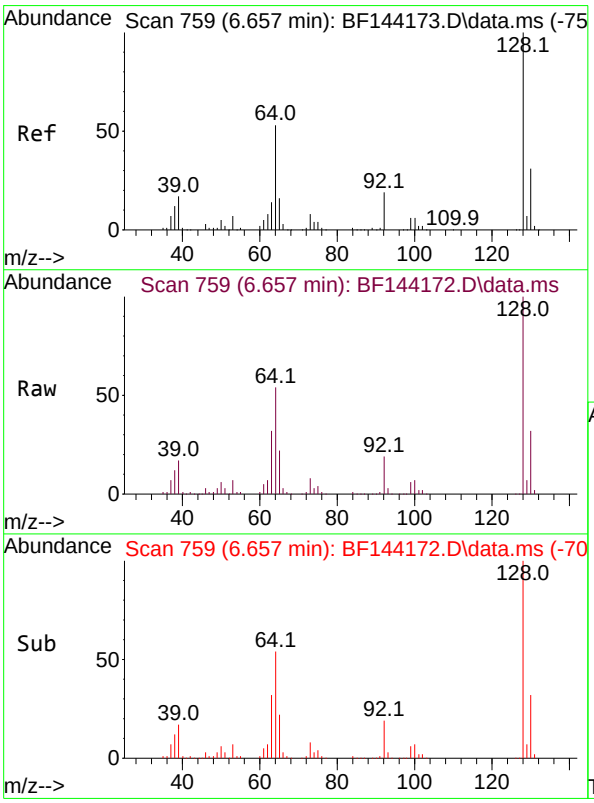
#7
Phenol-d6
Concen: 41.742 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 293338

Ion	Ratio	Lower	Upper
99	100		
42	24.9	20.9	31.3
71	36.4	31.4	47.2

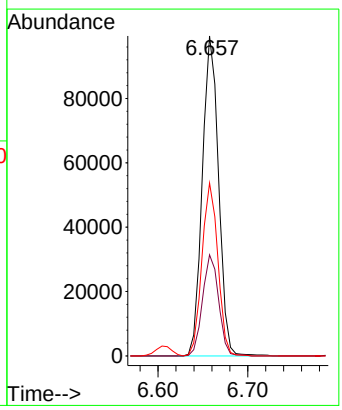


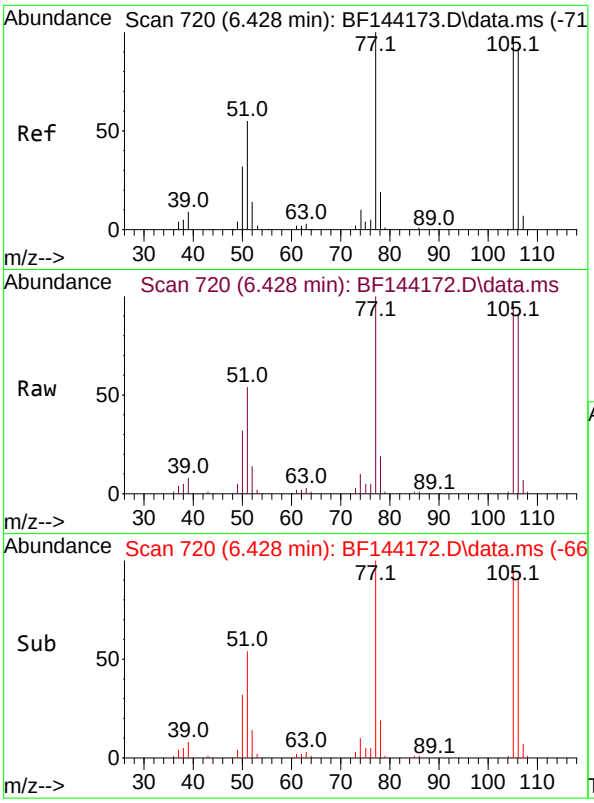


#8
2-Chlorophenol
Concen: 20.624 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:128 Resp: 125443

Ion	Ratio	Lower	Upper
128	100		
130	31.6	10.5	50.5
64	54.0	33.2	73.2



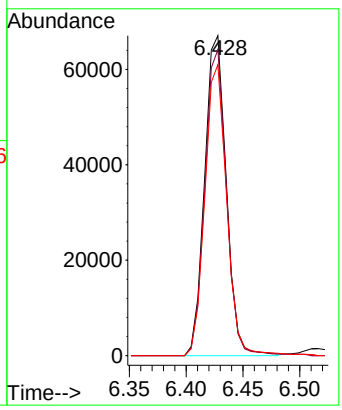


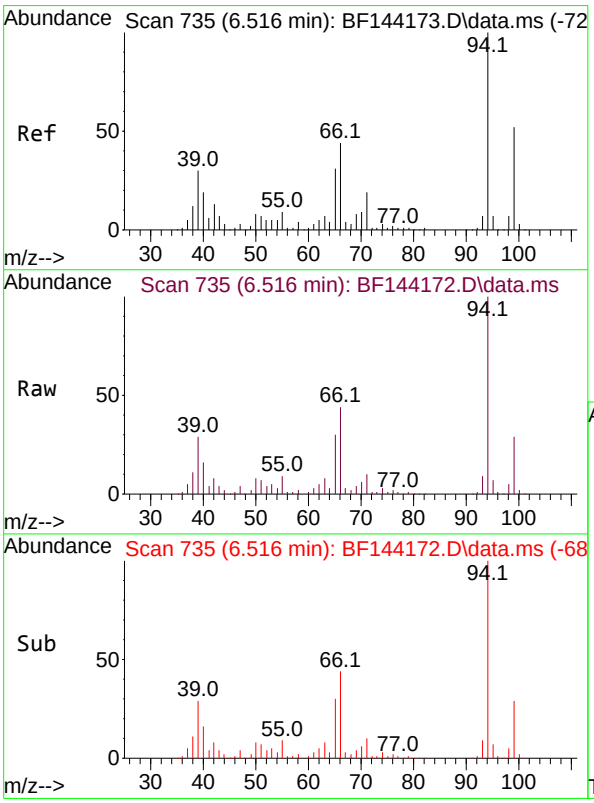
#9
Benzaldehyde
Concen: 22.422 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 88978

Ion	Ratio	Lower	Upper
77	100		
105	95.6	77.2	117.2
106	90.9	72.2	112.2

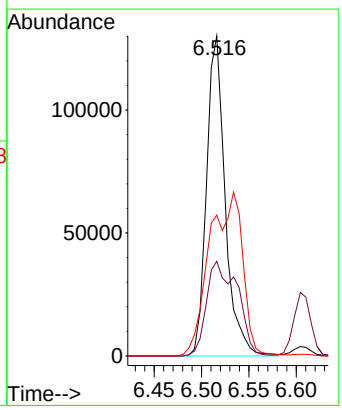


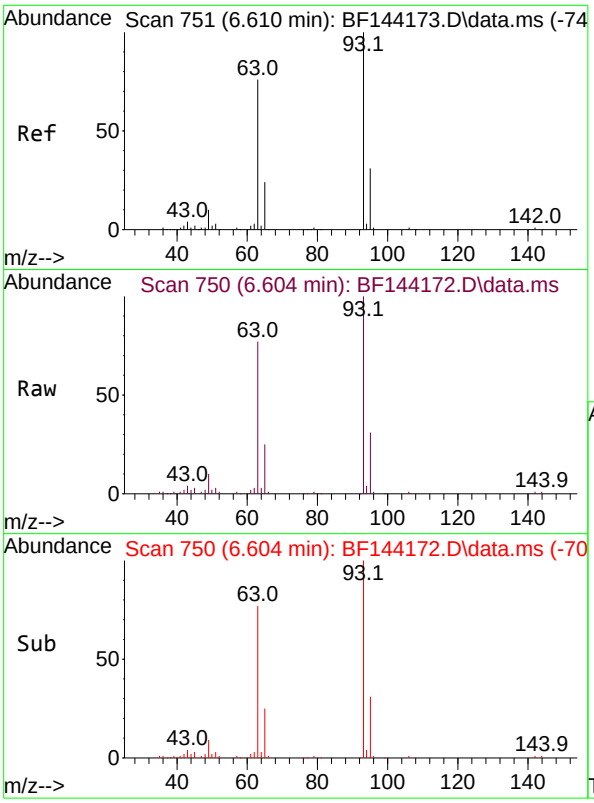


#10
Phenol
Concen: 20.797 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 94 Resp: 178562

Ion	Ratio	Lower	Upper
94	100		
65	29.6	10.8	50.8
66	44.0	24.3	64.3



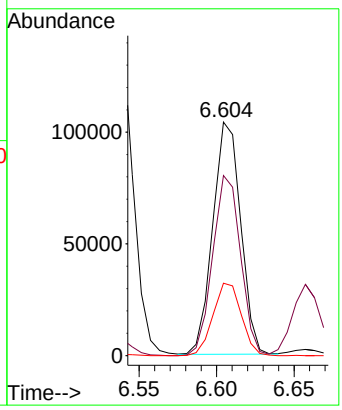


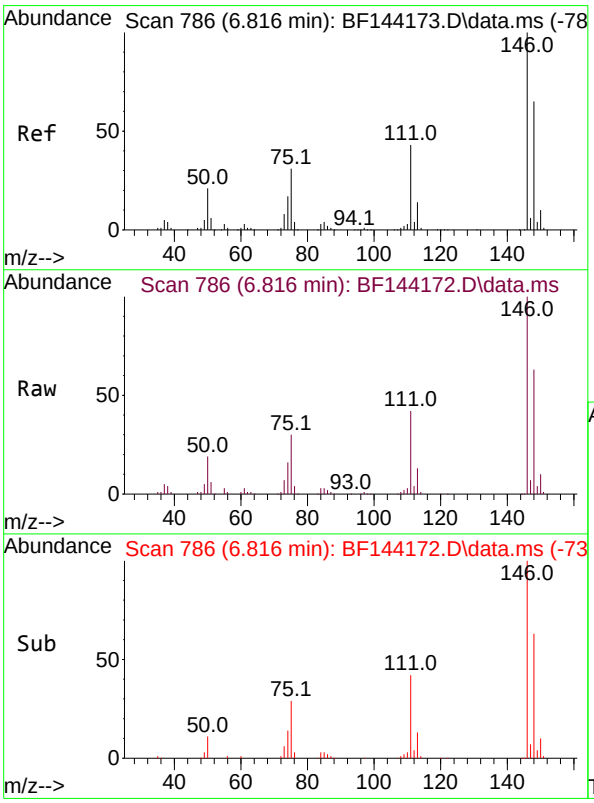
#11
bis(2-Chloroethyl)ether
Concen: 20.814 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 130219

Ion	Ratio	Lower	Upper
93	100		
63	77.1	55.2	95.2
95	31.0	11.2	51.2

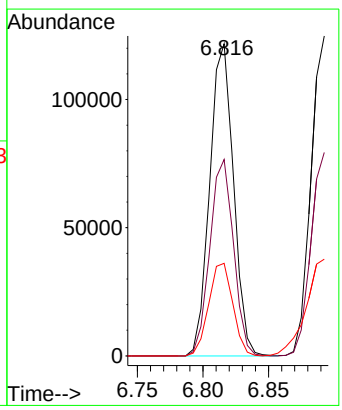


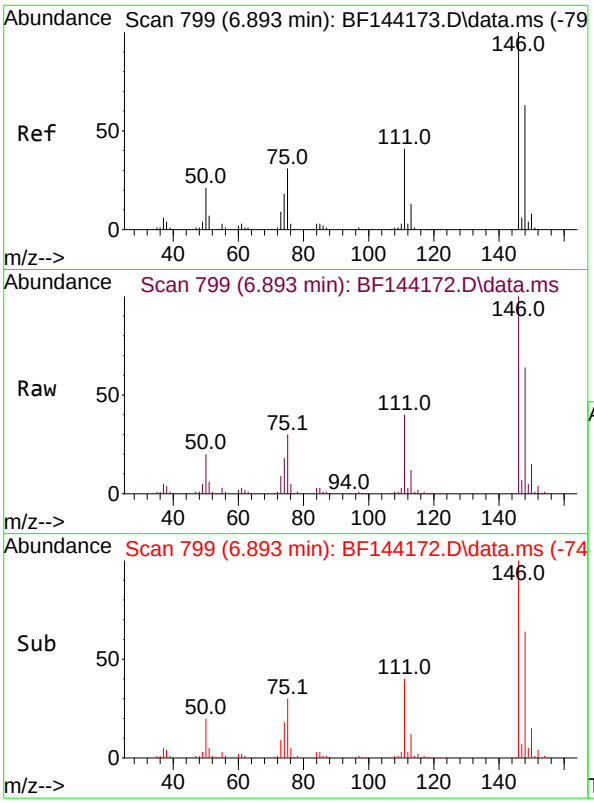


#12
1,3-Dichlorobenzene
Concen: 20.476 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:146 Resp: 153679

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.8	77.8
75	29.7	25.0	37.4



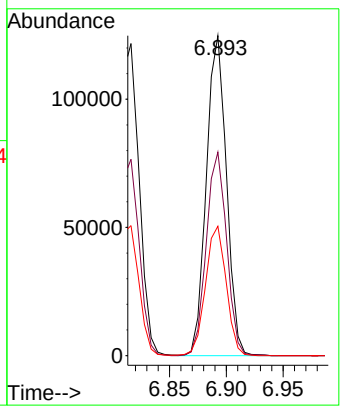


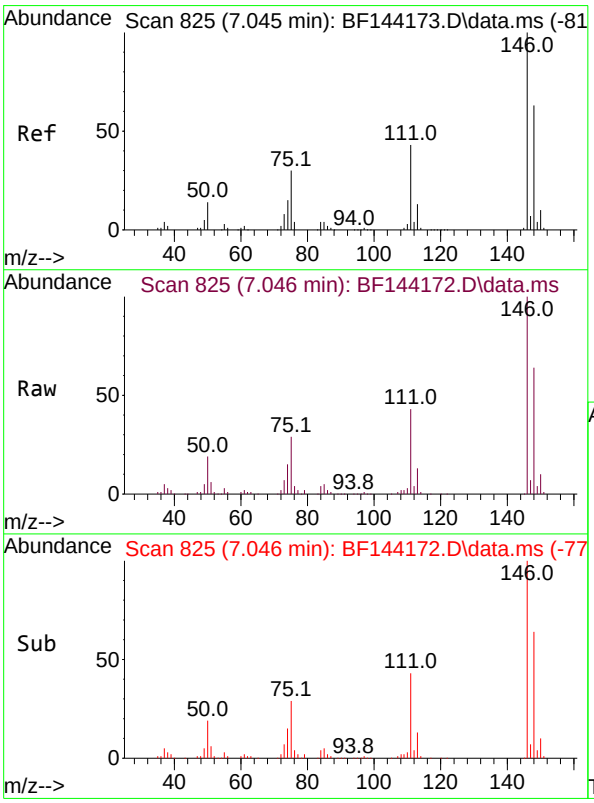
#13
1,4-Dichlorobenzene
Concen: 20.435 ng
RT: 6.893 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 153656

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.2	75.2
111	40.4	32.6	48.8

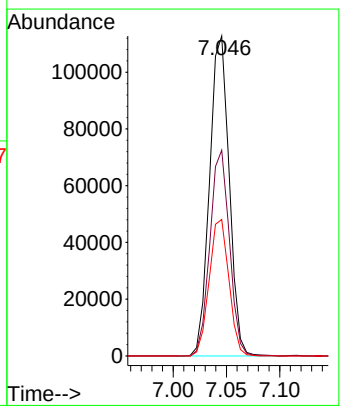


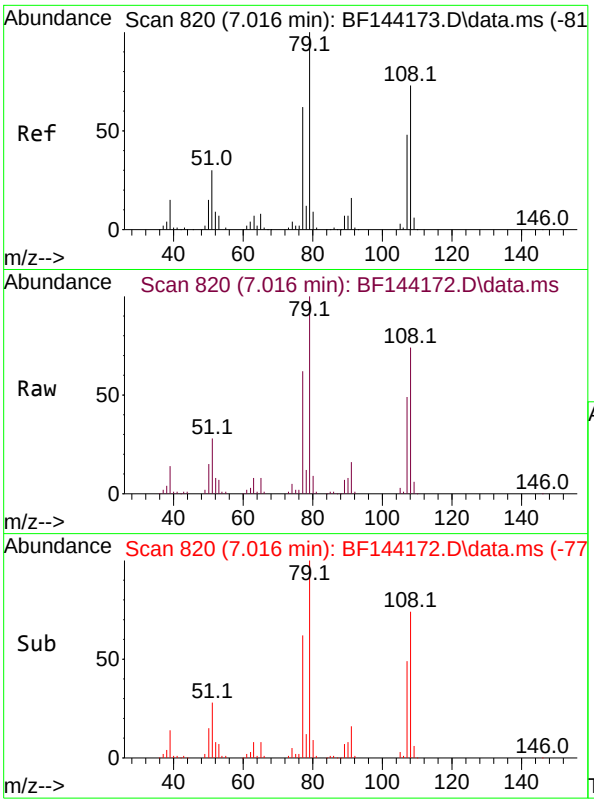


#14
1,2-Dichlorobenzene
Concen: 20.042 ng
RT: 7.046 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:146 Resp: 144447

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.7	76.1
111	42.6	34.2	51.4



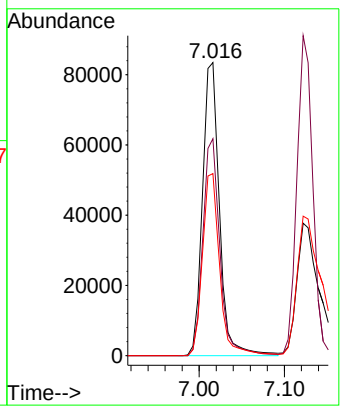


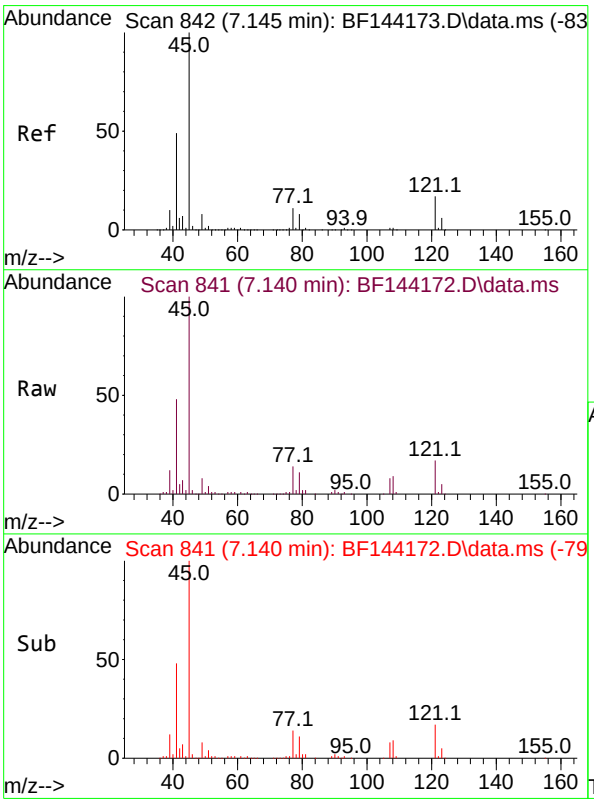
#15
Benzyl Alcohol
Concen: 20.726 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 115331

Ion	Ratio	Lower	Upper
79	100		
108	74.0	58.2	87.4
77	62.1	49.9	74.9

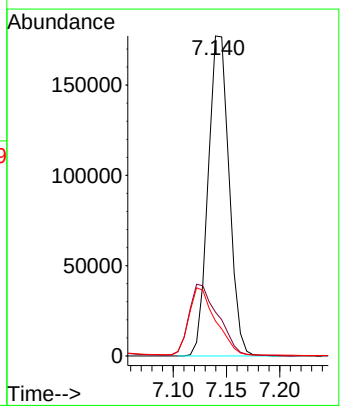


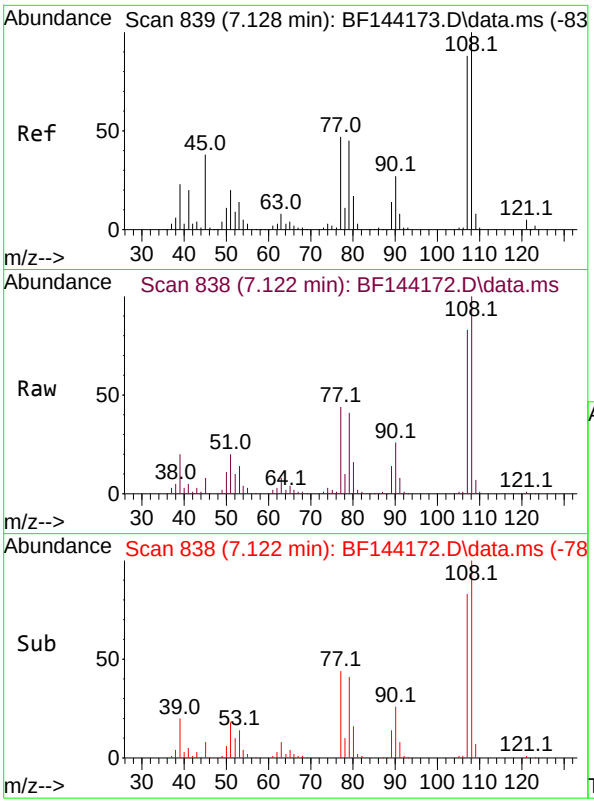


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.029 ng
RT: 7.140 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 45 Resp: 242281

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	31.8
79	10.9	0.0	29.1



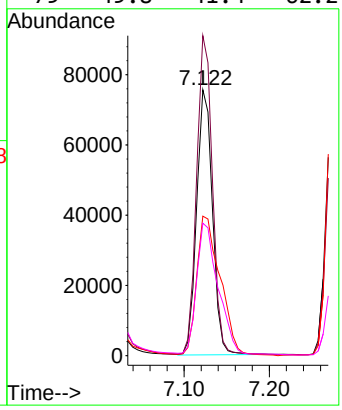


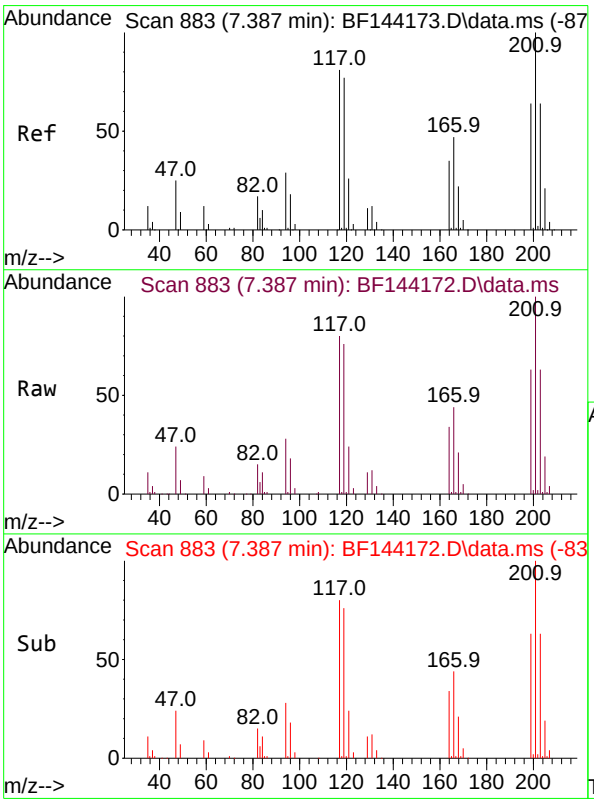
#17
2-Methylphenol
Concen: 20.196 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 97725

Ion	Ratio	Lower	Upper
107	100		
108	120.4	91.0	136.4
77	52.4	42.7	64.1
79	49.8	41.4	62.2

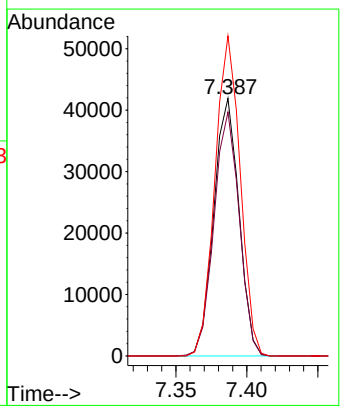


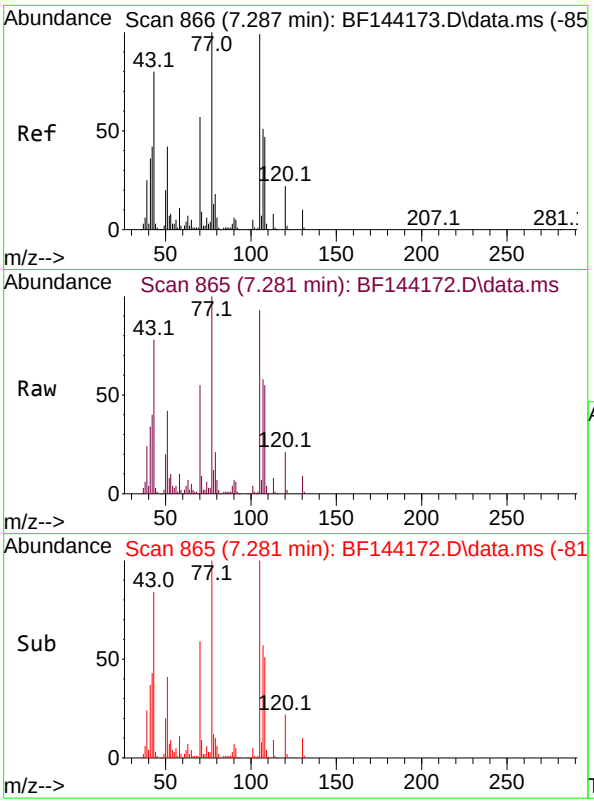


#18
Hexachloroethane
Concen: 20.675 ng
RT: 7.387 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:117 Resp: 51648

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.8
201	124.3	98.9	148.3



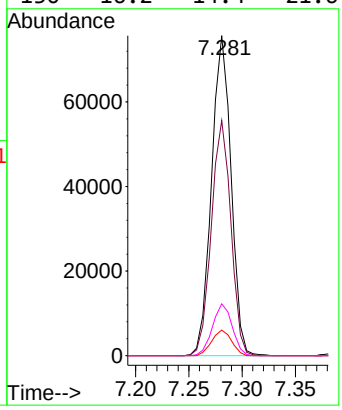


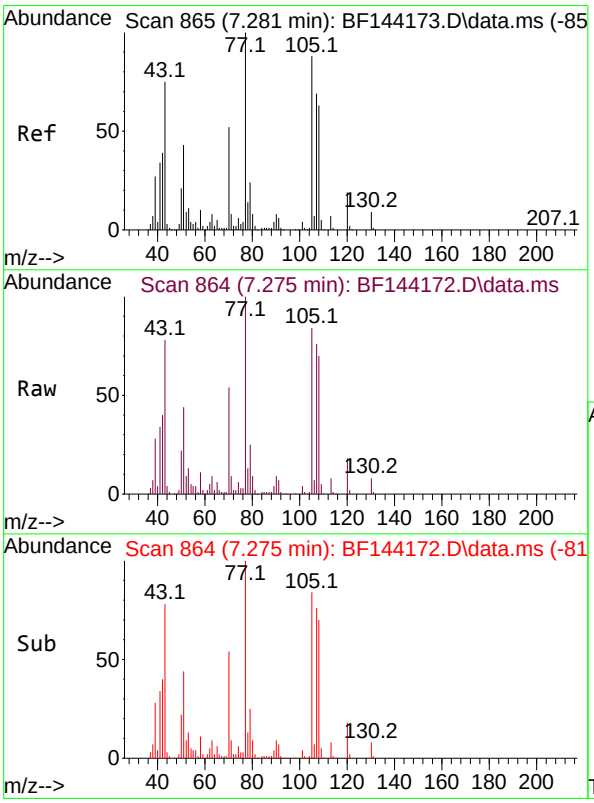
#19
n-Nitroso-di-n-propylamine
Concen: 20.897 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 96676

Ion	Ratio	Lower	Upper
70	100		
42	73.5	58.3	87.5
101	8.0	7.0	10.6
130	16.2	14.4	21.6

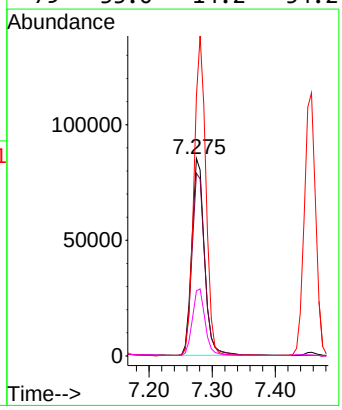


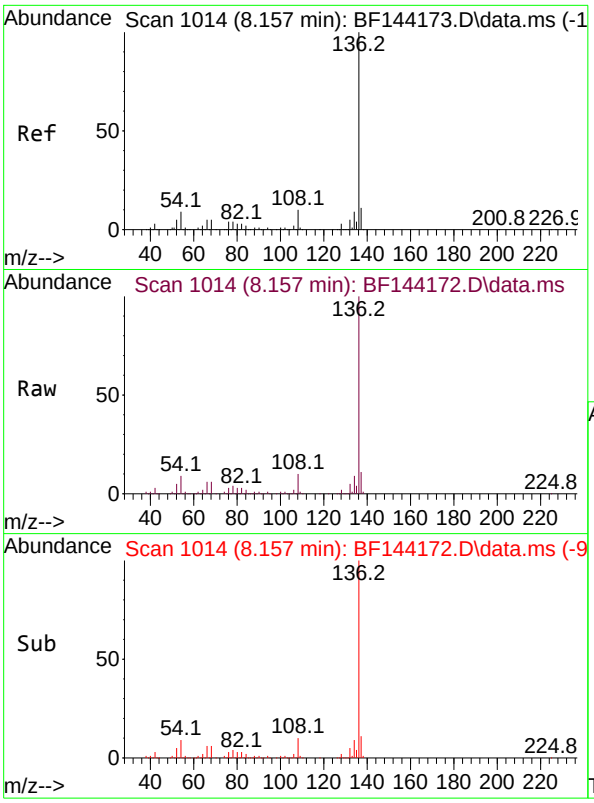


#20
3+4-Methylphenols
Concen: 20.804 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:107 Resp: 118666

Ion	Ratio	Lower	Upper
107	100		
108	92.5	70.2	110.2
77	131.8	123.9	163.9
79	33.0	14.2	54.2



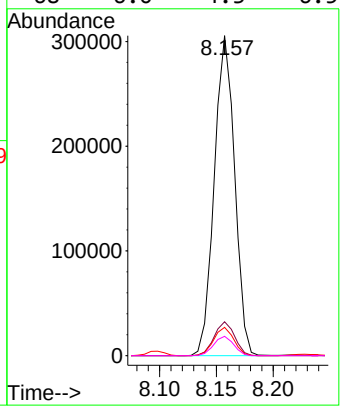


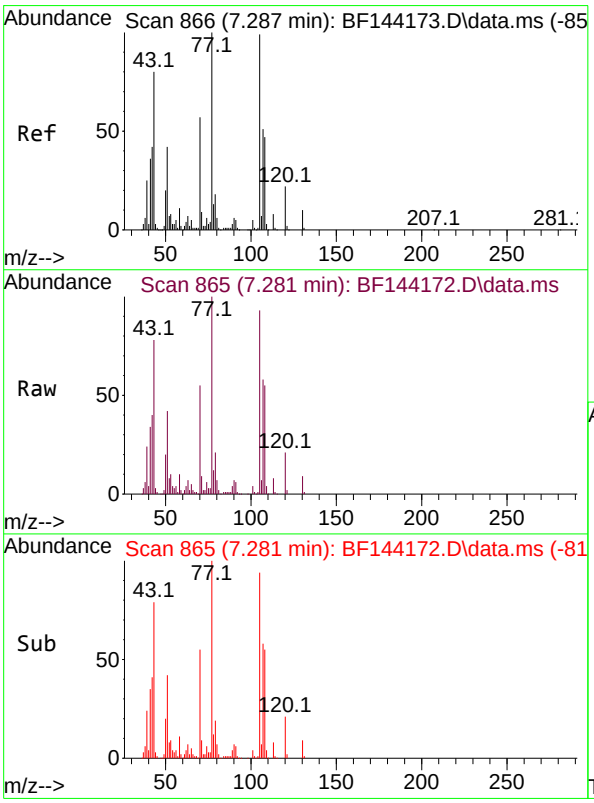
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 380834

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.8	7.0	10.6
68	6.0	4.3	6.5

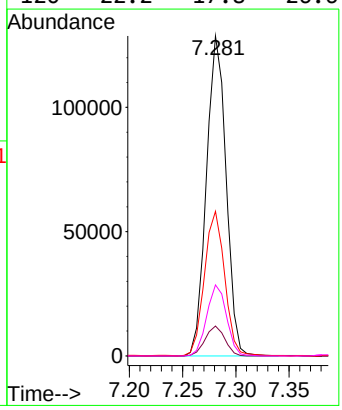


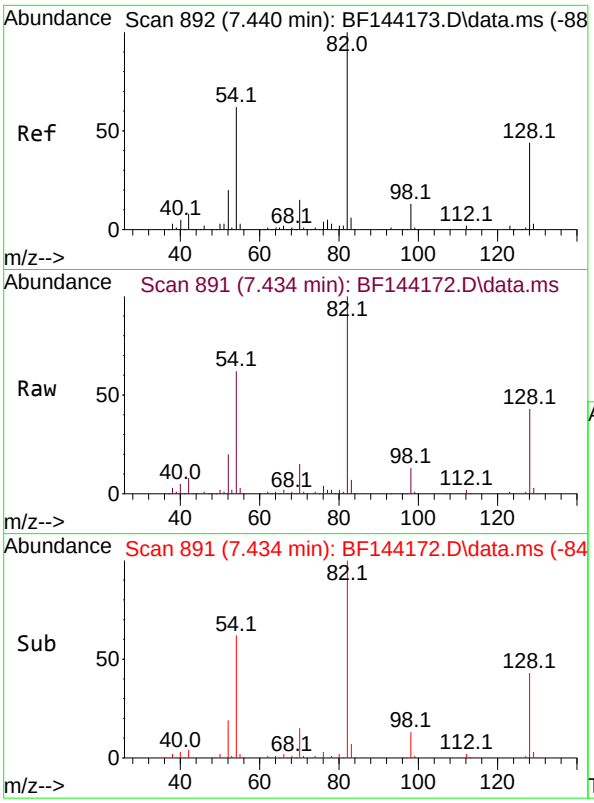


#22
Acetophenone
Concen: 20.242 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:105 Resp: 165374

Ion	Ratio	Lower	Upper
105	100		
71	9.3	7.2	10.8
51	45.2	34.0	51.0
120	22.2	17.8	26.6



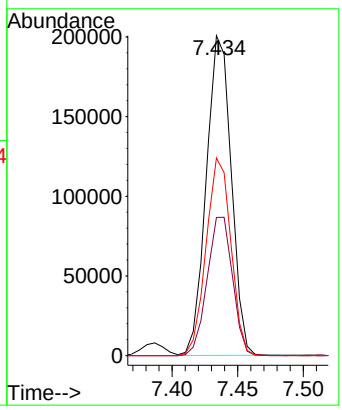


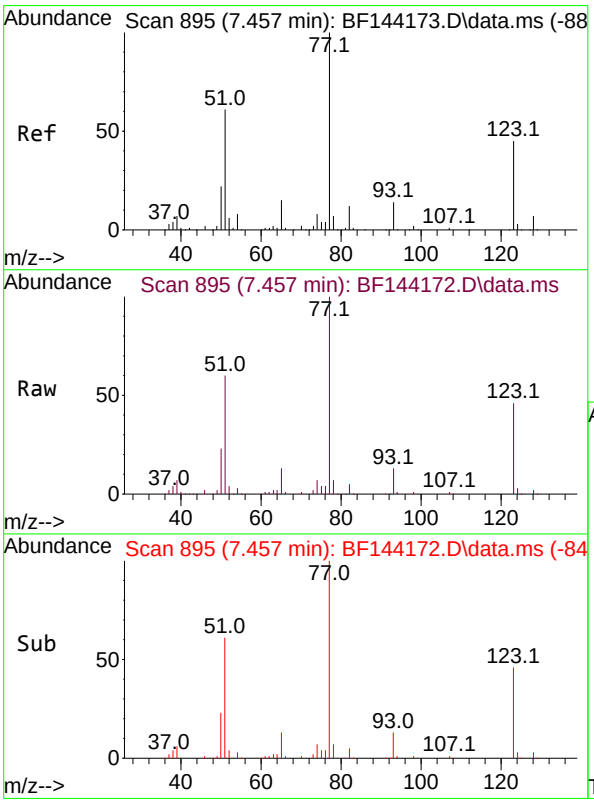
#23
Nitrobenzene-d5
Concen: 40.287 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 265652

Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.7	52.1
54	61.8	49.5	74.3

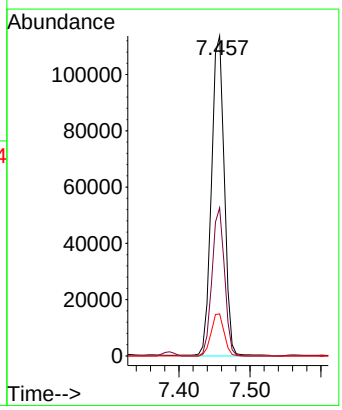


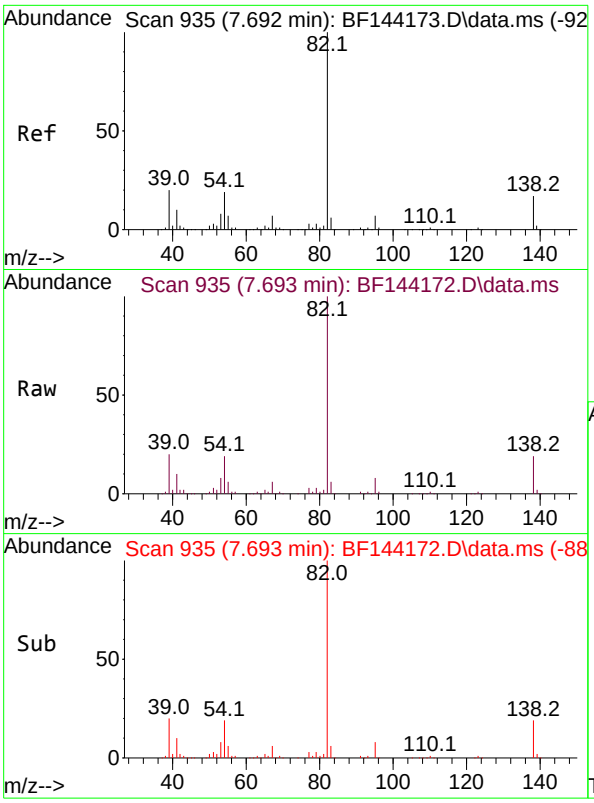


#24
Nitrobenzene
Concen: 20.000 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 77 Resp: 143192

Ion	Ratio	Lower	Upper
77	100		
123	46.3	35.8	53.8
65	13.2	12.2	18.2



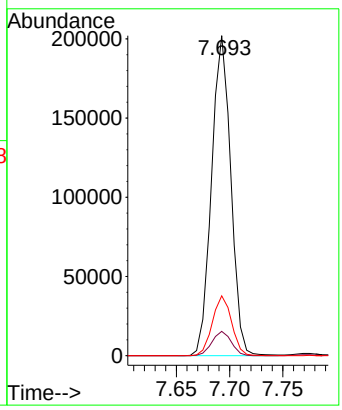


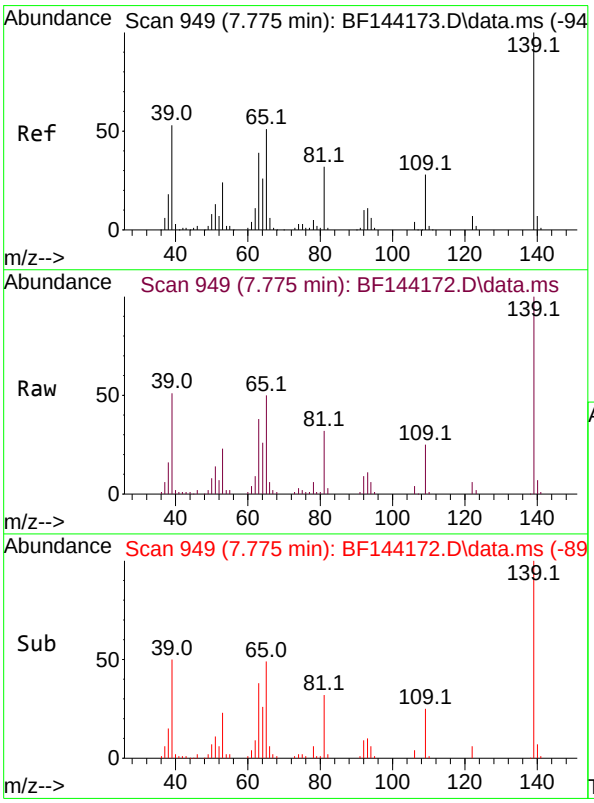
#25
Isophorone
Concen: 20.434 ng
RT: 7.693 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 254863

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.5	8.3
138	18.7	13.7	20.5

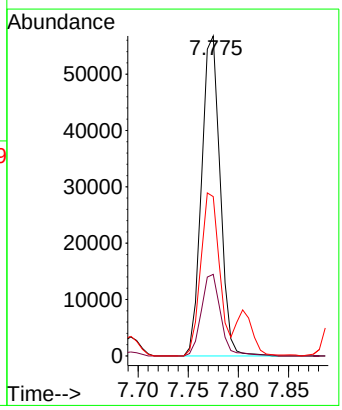


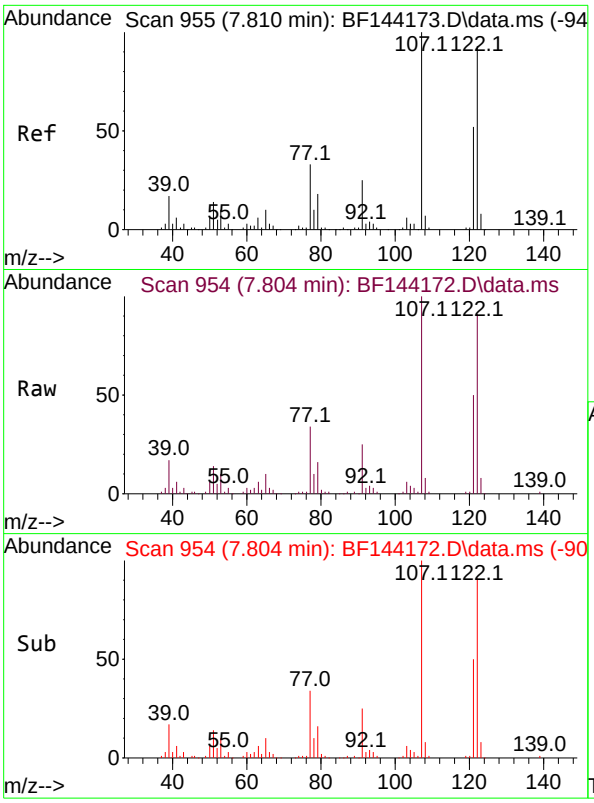


#26
2-Nitrophenol
Concen: 20.572 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:139 Resp: 72909

Ion	Ratio	Lower	Upper
139	100		
109	25.5	22.2	33.2
65	49.8	40.7	61.1



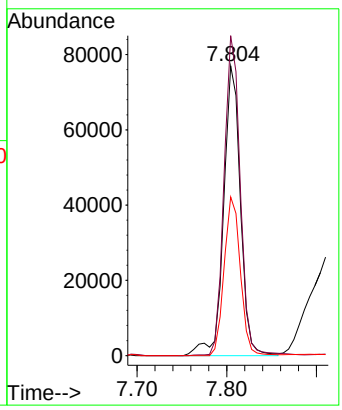


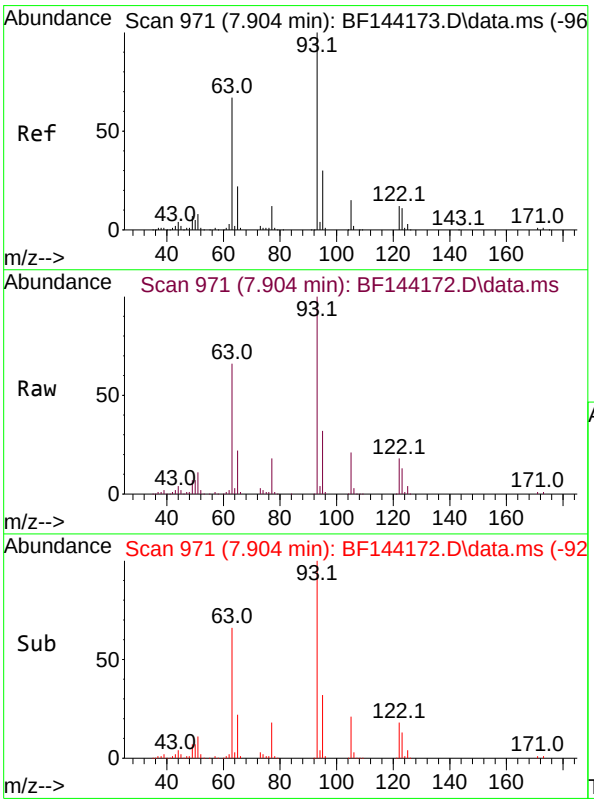
#27
2,4-Dimethylphenol
Concen: 18.981 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 100827

Ion	Ratio	Lower	Upper
122	100		
107	110.4	86.2	129.4
121	54.8	44.6	66.8

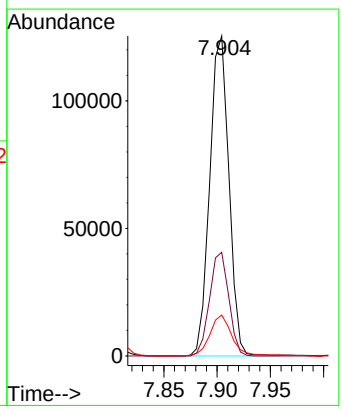


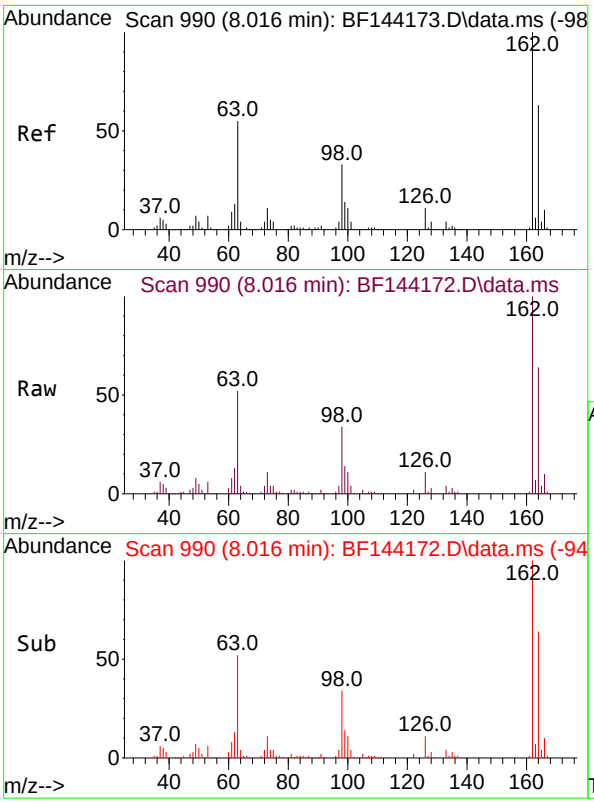


#28
bis(2-Chloroethoxy)methane
Concen: 20.161 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 93 Resp: 157029

Ion	Ratio	Lower	Upper
93	100		
95	32.4	24.2	36.4
123	12.8	9.0	13.4



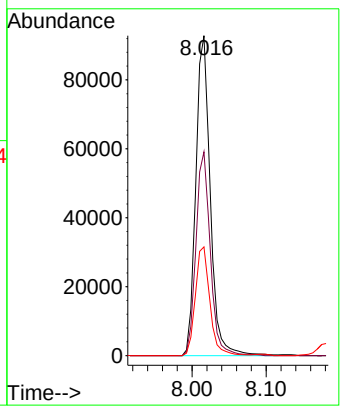


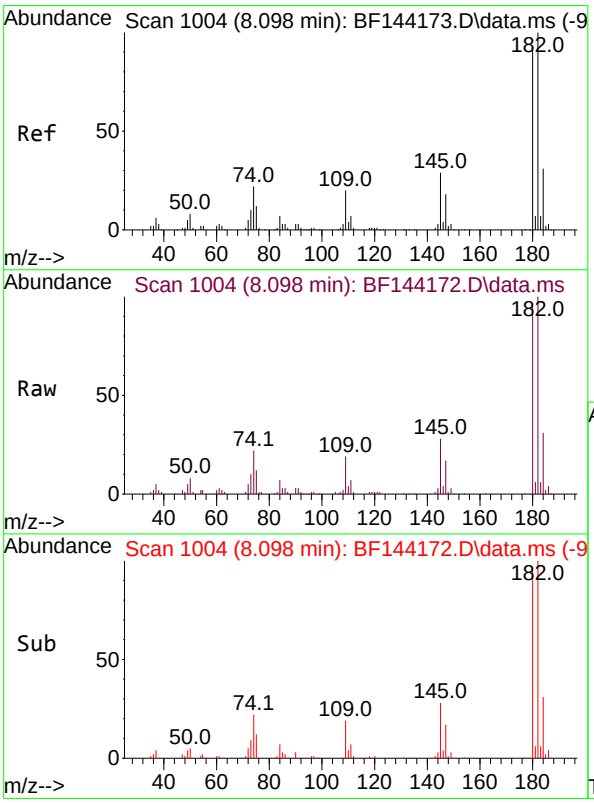
#29
2,4-Dichlorophenol
Concen: 20.548 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 125803

Ion	Ratio	Lower	Upper
162	100		
164	63.7	42.9	82.9
98	34.0	13.3	53.3

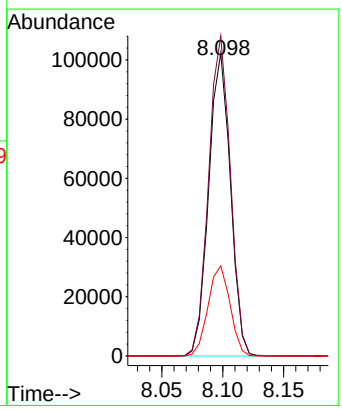


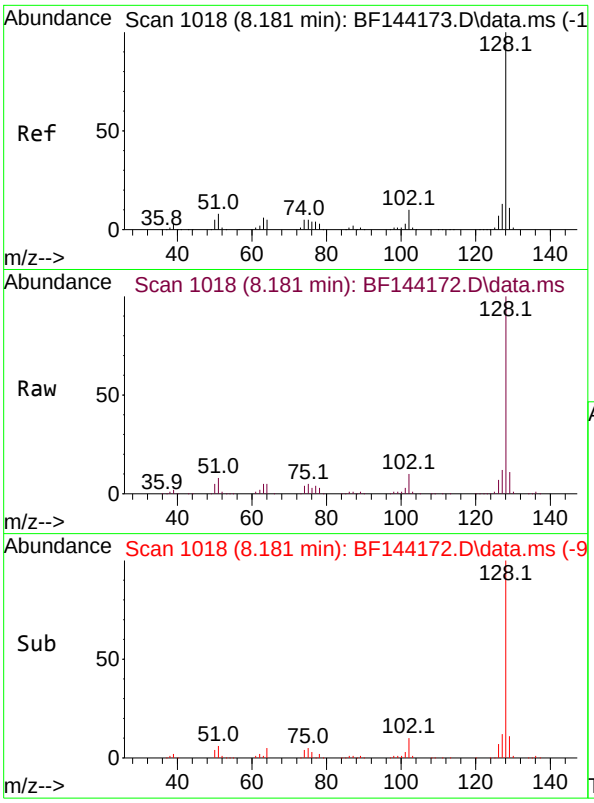


#30
1,2,4-Trichlorobenzene
Concen: 20.106 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:180 Resp: 126402

Ion	Ratio	Lower	Upper
180	100		
182	105.7	87.7	131.5
145	29.7	25.4	38.0



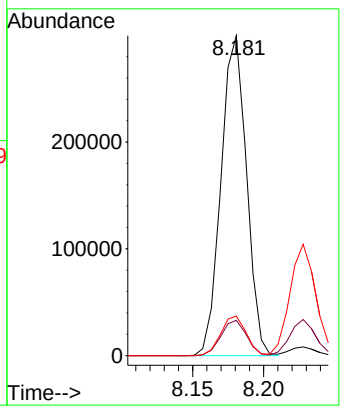


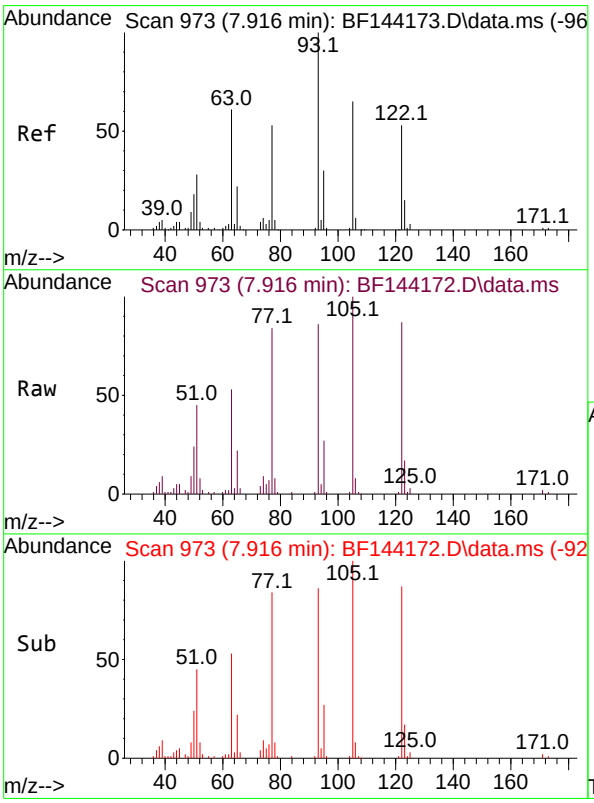
#31
Naphthalene
Concen: 20.643 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 373973

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.4	10.3	15.5

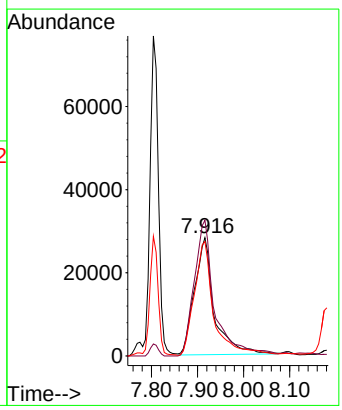


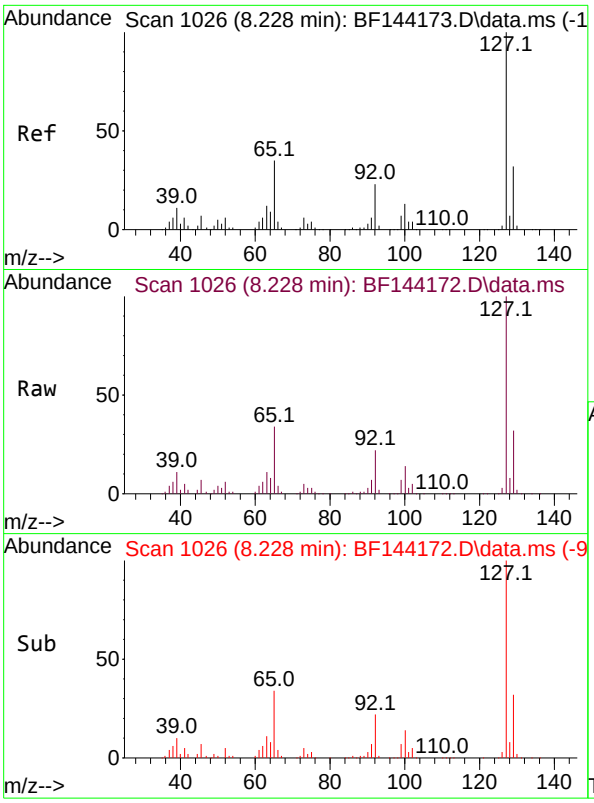


#32
Benzoic acid
Concen: 21.522 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.035 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:122 Resp: 83801

Ion	Ratio	Lower	Upper
122	100		
105	114.8	99.9	139.9
77	96.8	77.5	117.5



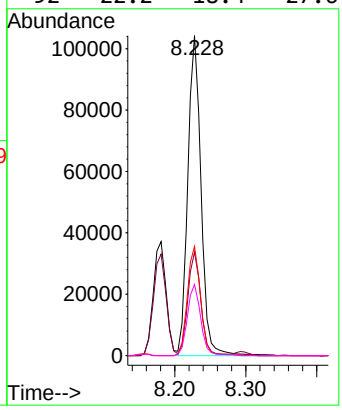


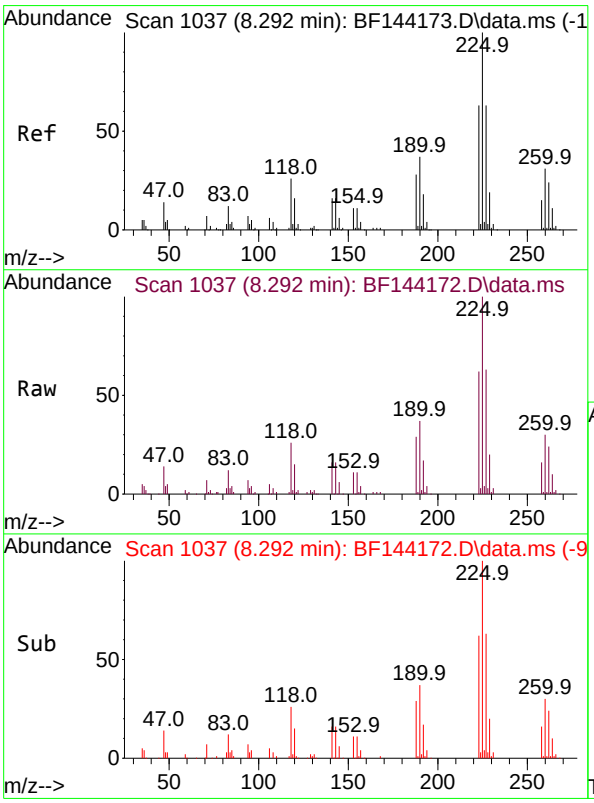
#33
4-Chloroaniline
Concen: 20.474 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 135273

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.3	37.9
65	34.1	27.6	41.4
92	22.2	18.4	27.6

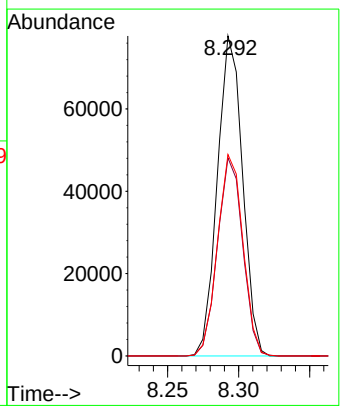


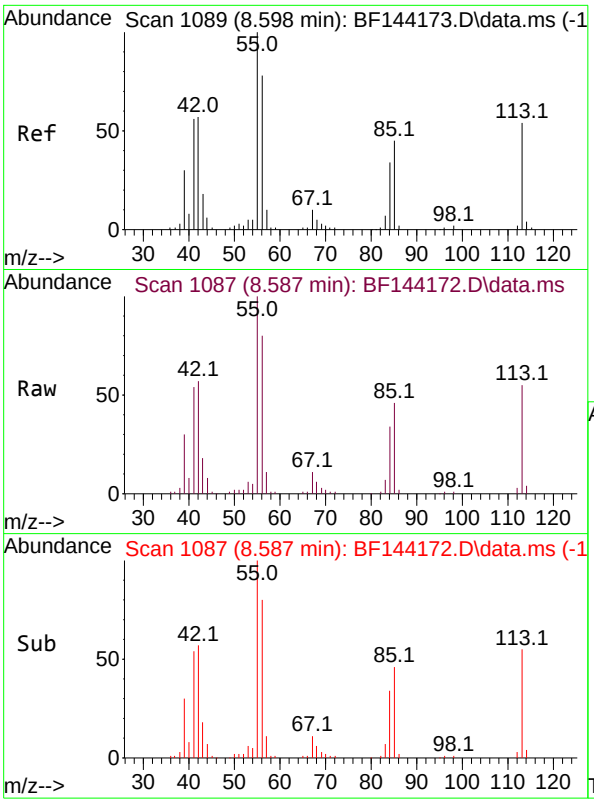


#34
Hexachlorobutadiene
Concen: 20.255 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:225 Resp: 95971

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.2	75.4
227	62.9	50.1	75.1



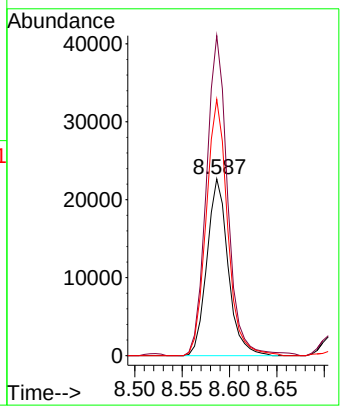


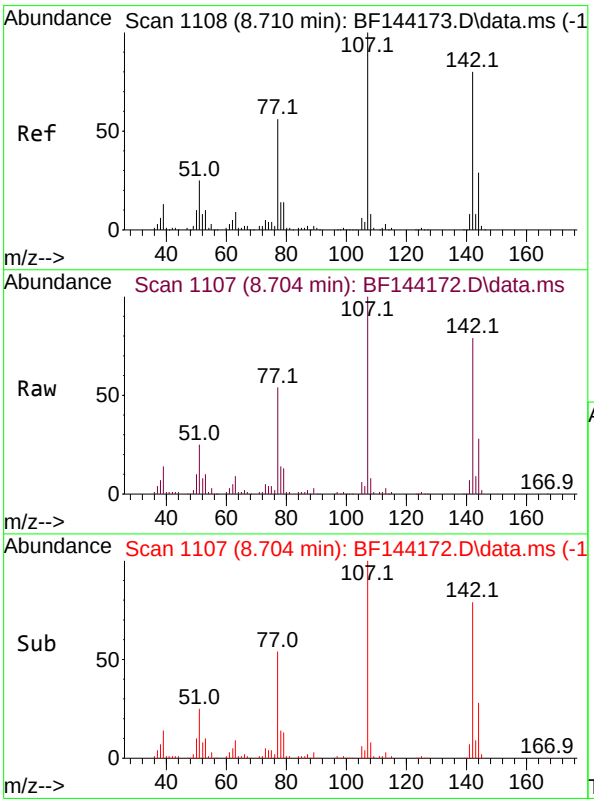
#35
Caprolactam
Concen: 21.028 ng
RT: 8.587 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 35272

Ion	Ratio	Lower	Upper
113	100		
55	181.1	166.8	206.8
56	145.1	125.9	165.9

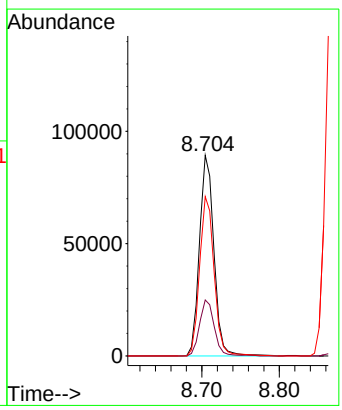


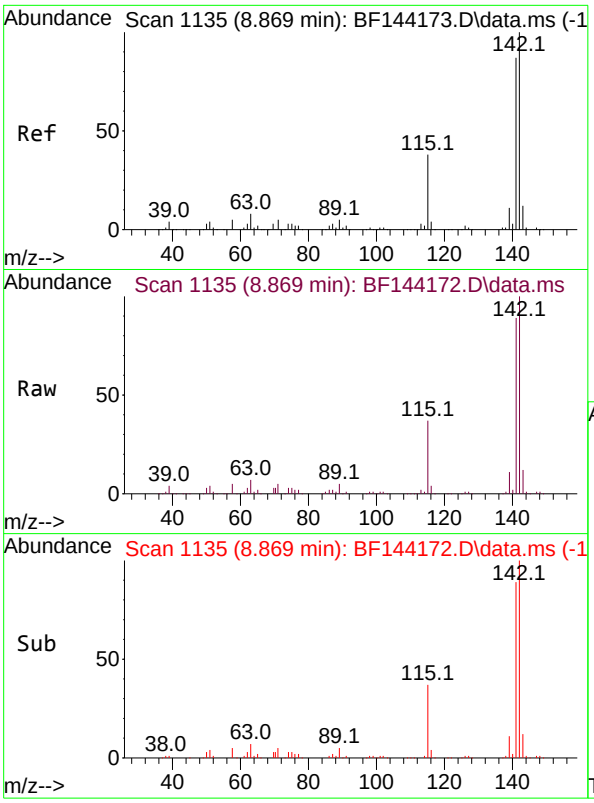


#36
4-Chloro-3-methylphenol
Concen: 21.069 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:107 Resp: 115603

Ion	Ratio	Lower	Upper
107	100		
144	27.9	23.3	34.9
142	79.4	63.8	95.6



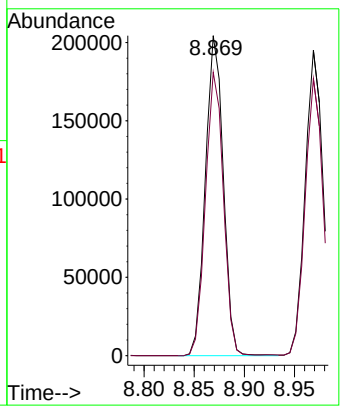


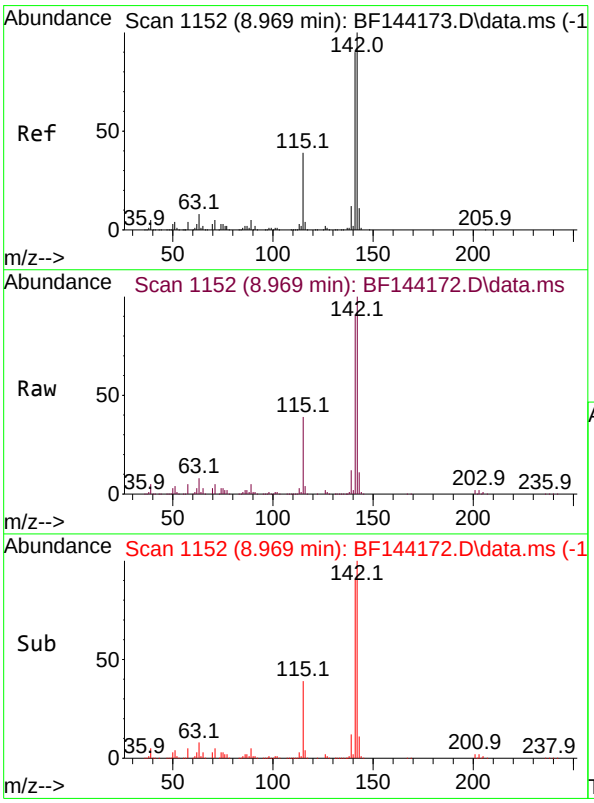
#37
2-Methylnaphthalene
Concen: 20.905 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 253201

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.9	104.9

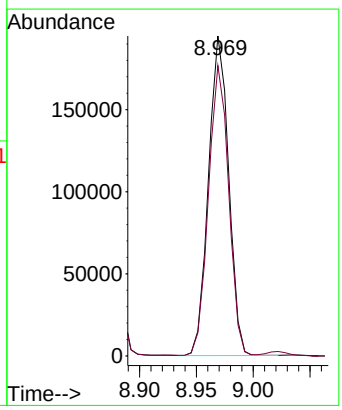


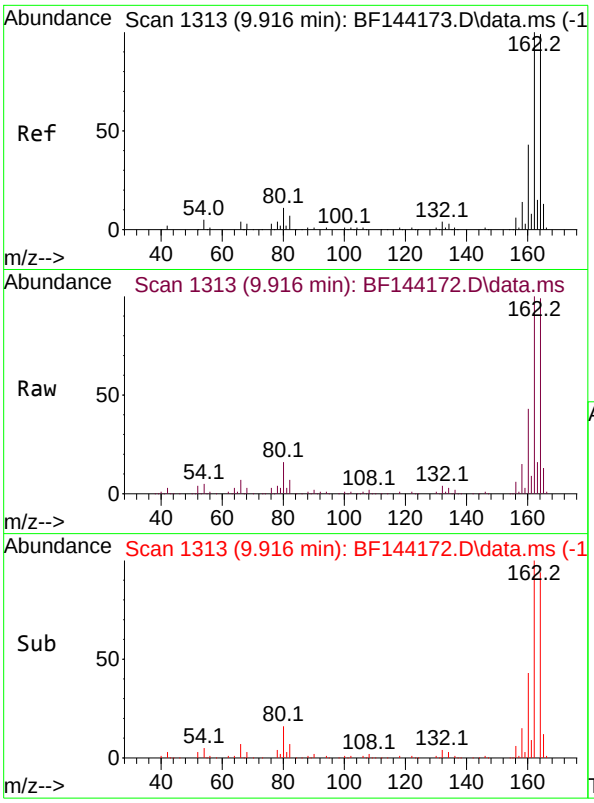


#38
1-Methylnaphthalene
Concen: 20.588 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:142 Resp: 240612

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.1	108.1



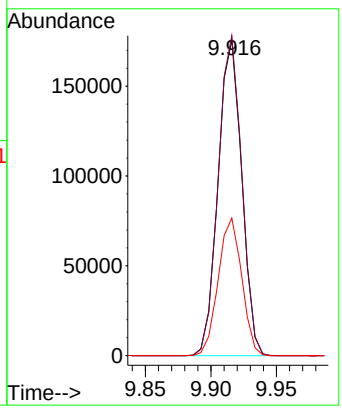


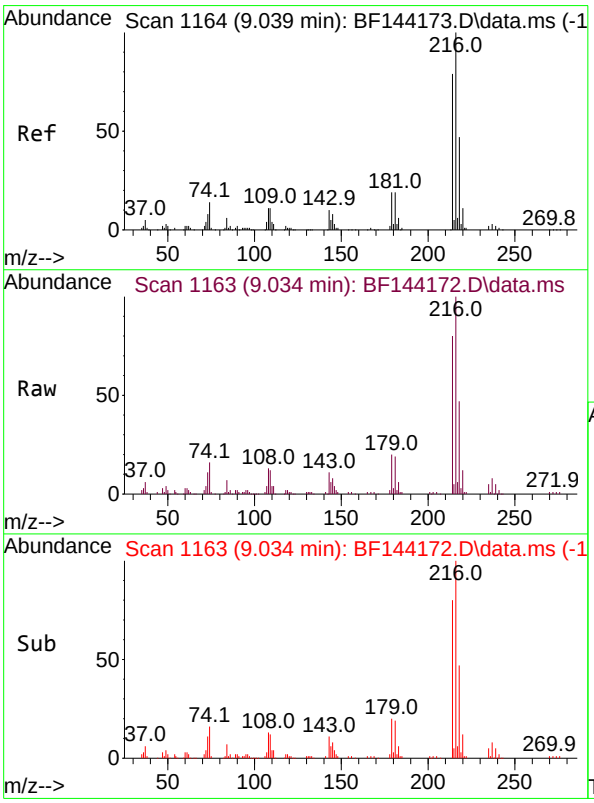
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 220087

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.1	121.7
160	43.6	34.5	51.7

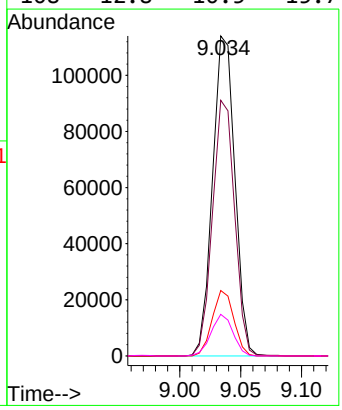


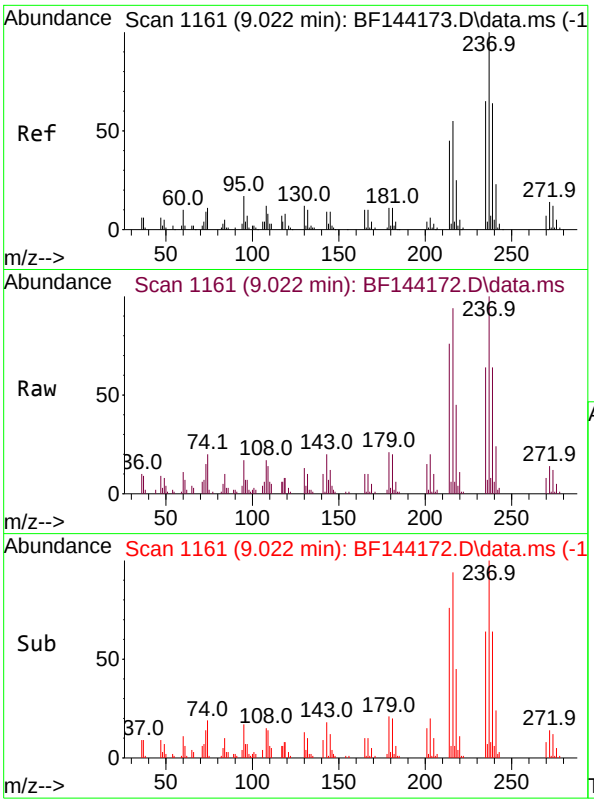


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.100 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:216 Resp: 144980

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.4	95.2
179	19.8	15.0	22.4
108	12.8	10.5	15.7



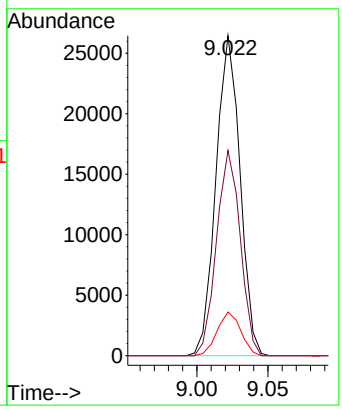


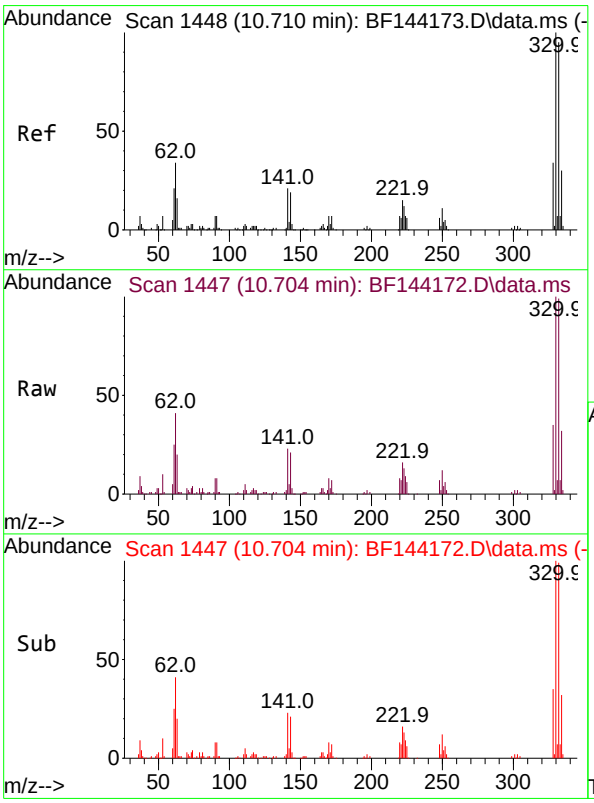
#41
Hexachlorocyclopentadiene
Concen: 18.527 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 31247

Ion	Ratio	Lower	Upper
237	100		
235	64.1	45.5	85.5
272	13.6	0.0	33.5

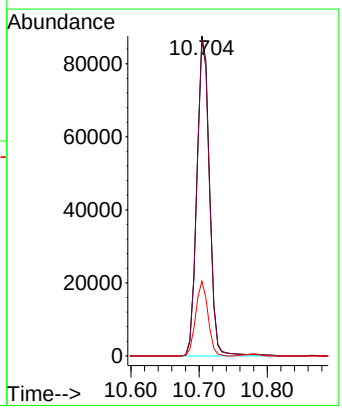


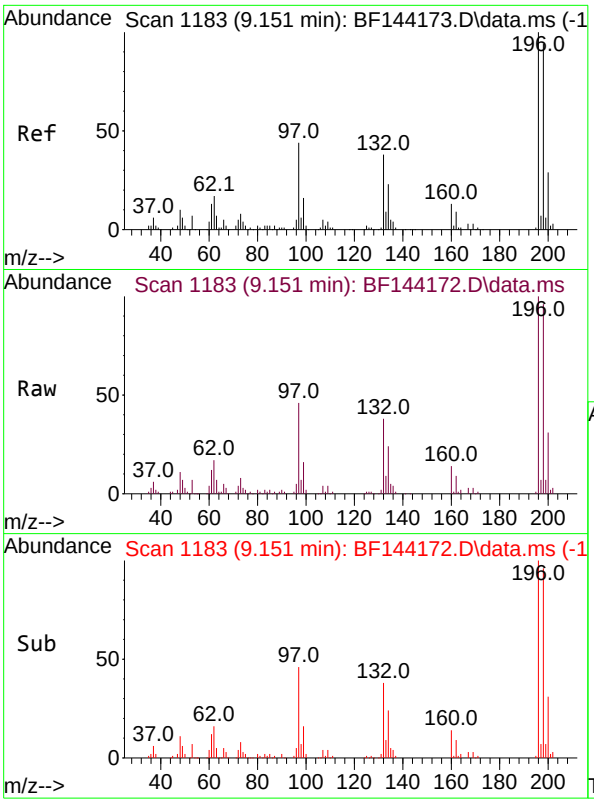


#42
2,4,6-Tribromophenol
Concen: 40.889 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:330 Resp: 112928

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.7	115.1
141	22.6	17.8	26.8



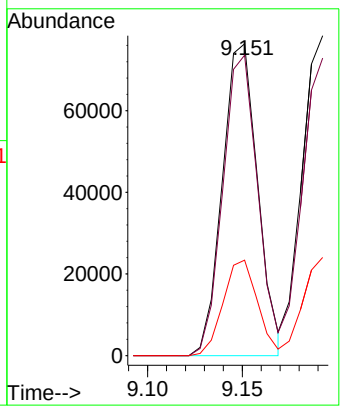


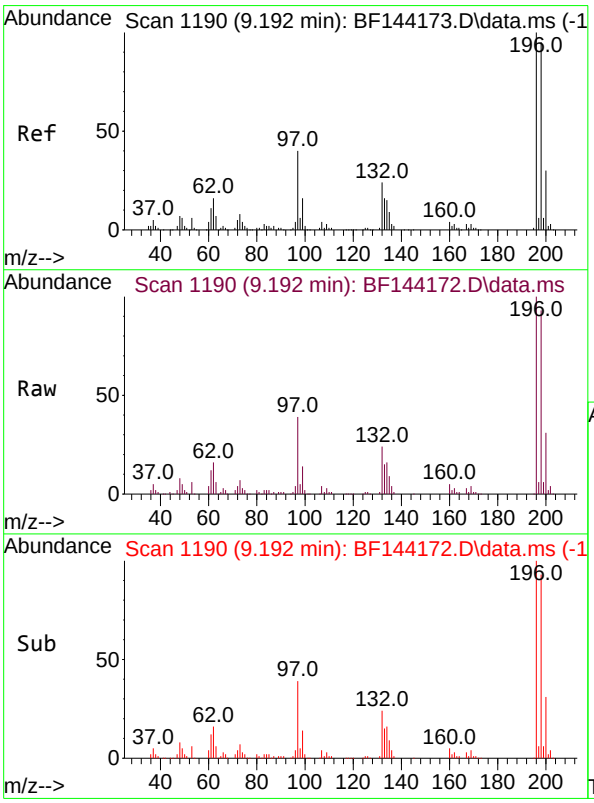
#43
2,4,6-Trichlorophenol
Concen: 20.136 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 98855

Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.3	112.9
200	30.6	23.4	35.2

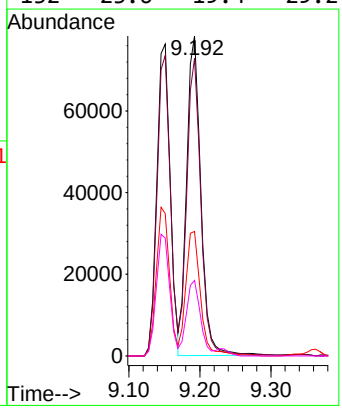


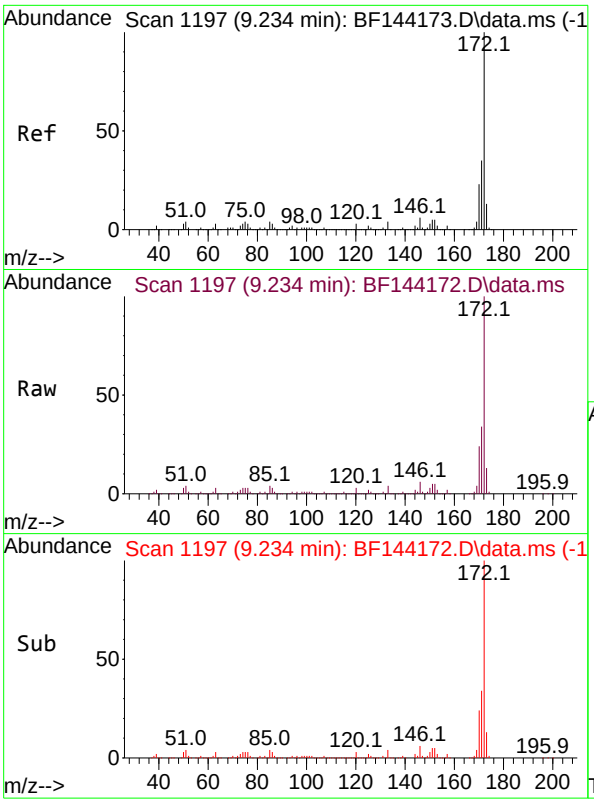


#44
2,4,5-Trichlorophenol
Concen: 20.653 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:196 Resp: 109277

Ion	Ratio	Lower	Upper
196	100		
198	93.0	76.1	114.1
97	38.9	31.9	47.9
132	23.6	19.4	29.2



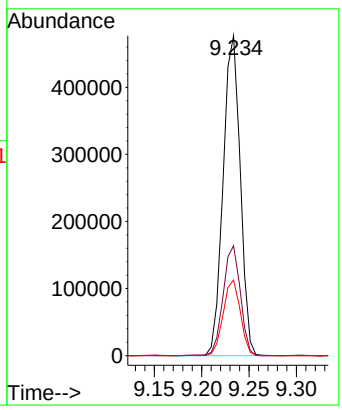


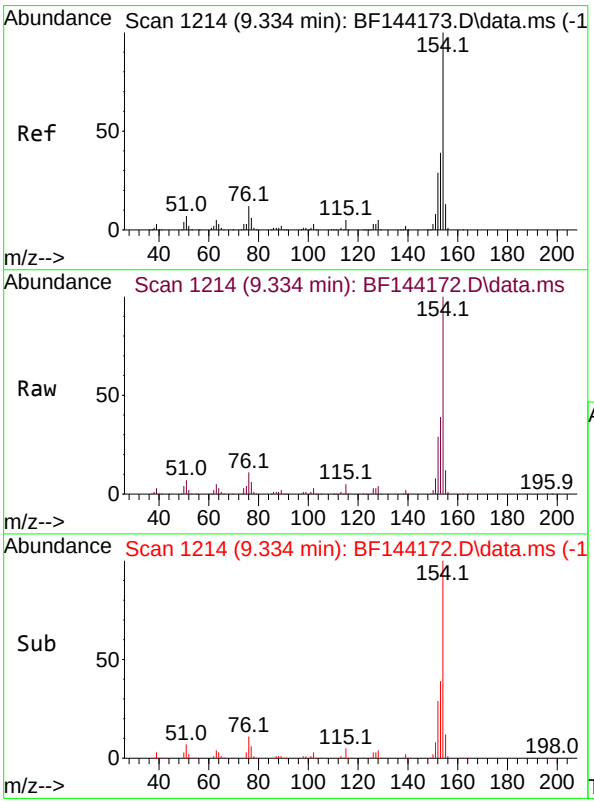
#45
2-Fluorobiphenyl
Concen: 40.208 ng
RT: 9.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 599169

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.1	42.1
170	23.6	18.6	28.0

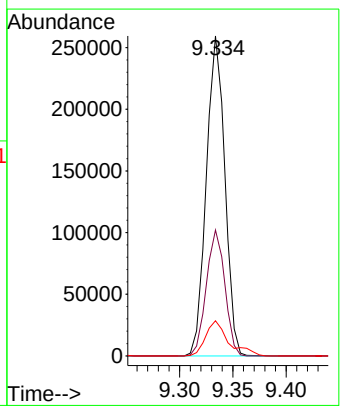


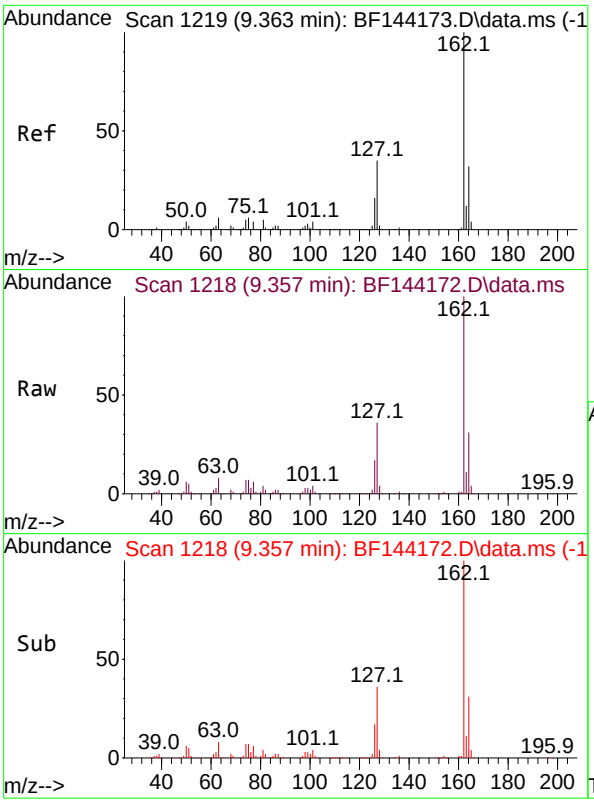


#46
1,1'-Biphenyl
Concen: 20.417 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:154 Resp: 313667

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.2	59.2
76	11.0	0.0	31.8



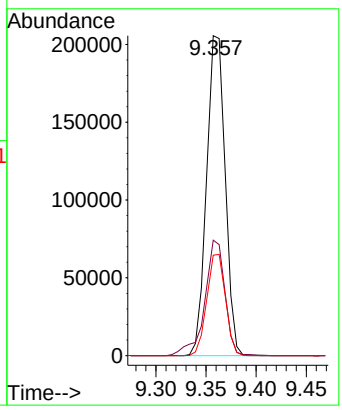


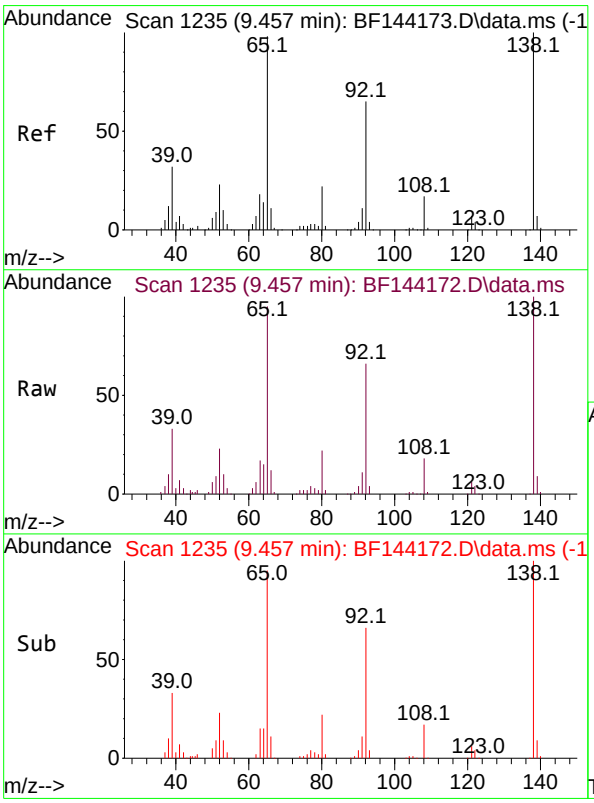
#47
2-Chloronaphthalene
Concen: 20.262 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 265522

Ion	Ratio	Lower	Upper
162	100		
127	36.1	28.8	43.2
164	31.4	25.8	38.8

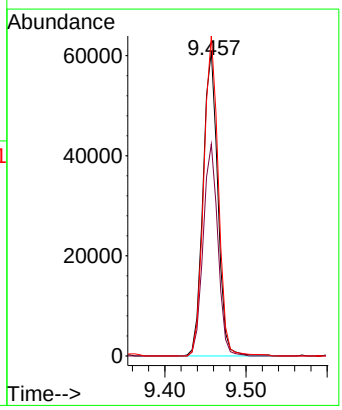


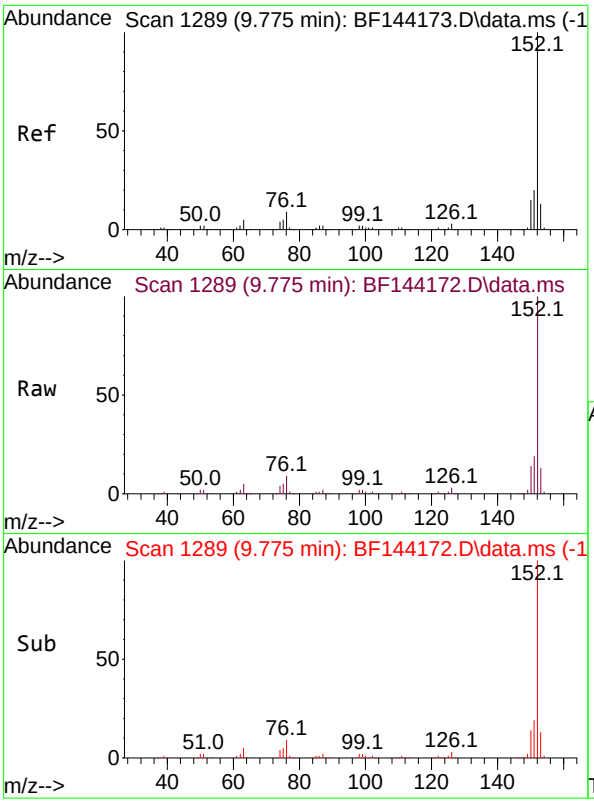


#48
2-Nitroaniline
Concen: 20.308 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 65 Resp: 76785

Ion	Ratio	Lower	Upper
65	100		
92	69.5	53.0	79.6
138	105.1	81.6	122.4



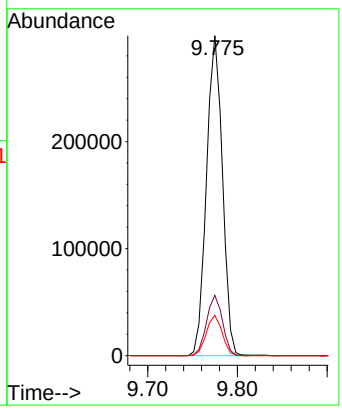


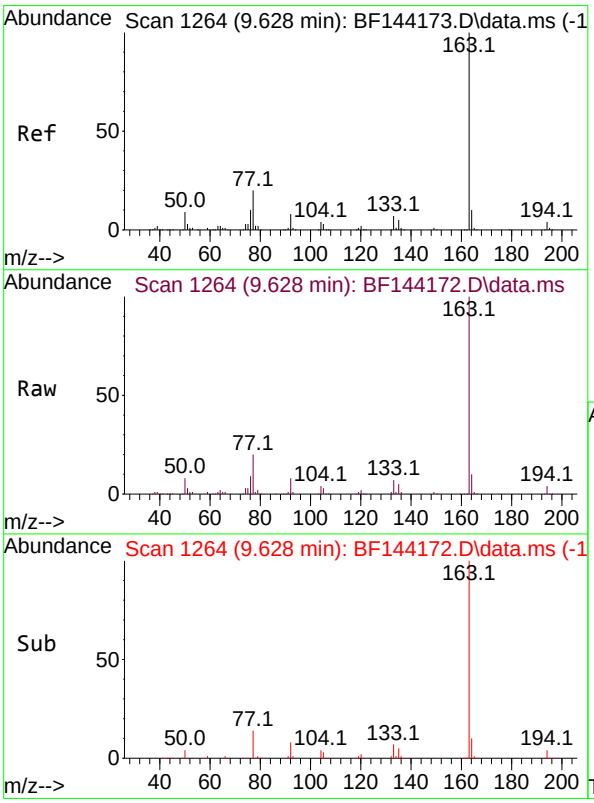
#49
Acenaphthylene
Concen: 20.664 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 369018

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.9	23.9
153	12.6	10.5	15.7

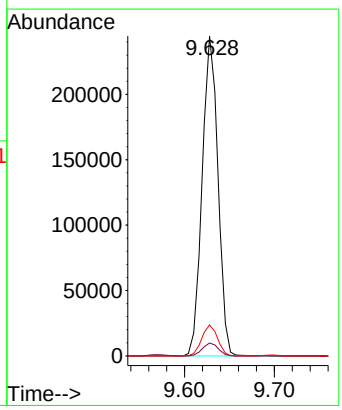


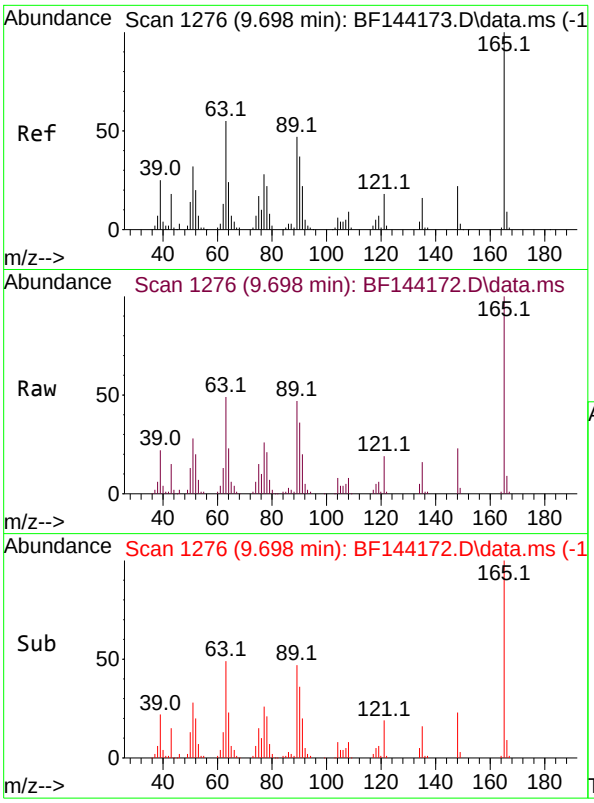


#50
Dimethylphthalate
Concen: 20.516 ng
RT: 9.628 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:163 Resp: 299125

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.7	8.1	12.1



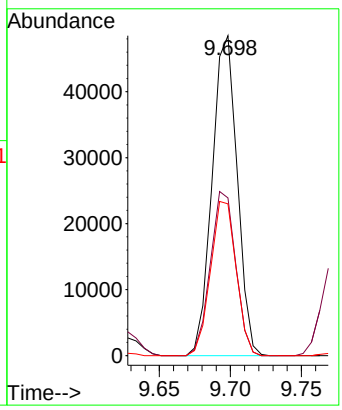


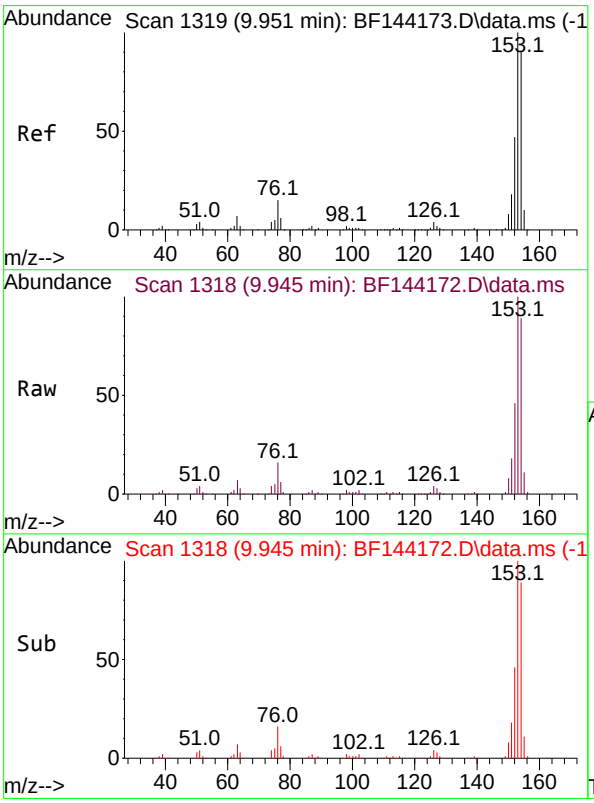
#51
2,6-Dinitrotoluene
Concen: 20.212 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 59656

Ion	Ratio	Lower	Upper
165	100		
63	49.3	43.8	65.8
89	47.4	37.5	56.3

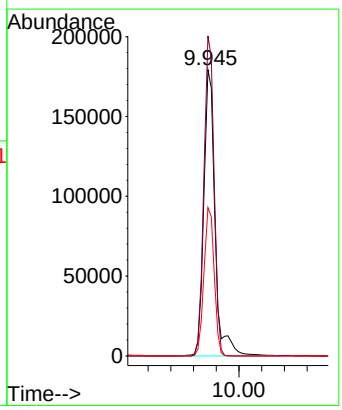


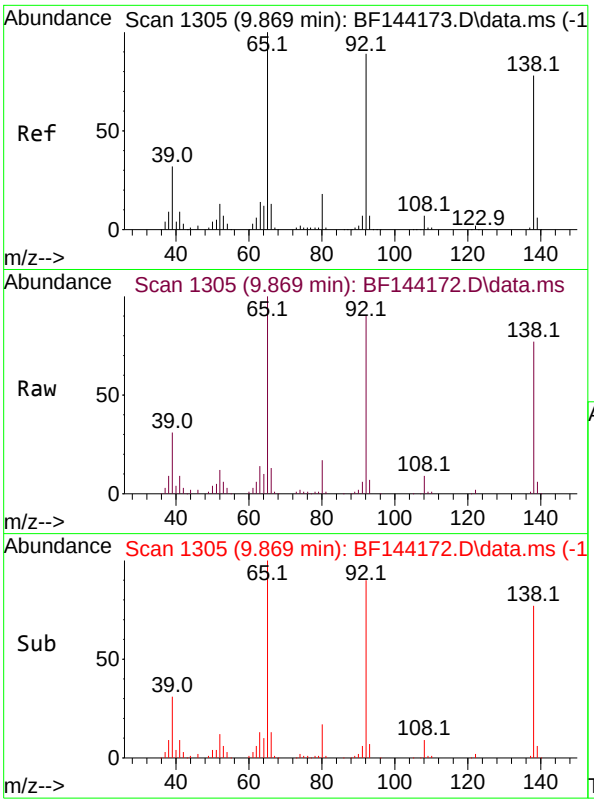


#52
Acenaphthene
Concen: 20.641 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:154 Resp: 246497

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.0	133.4
152	51.8	42.2	63.4



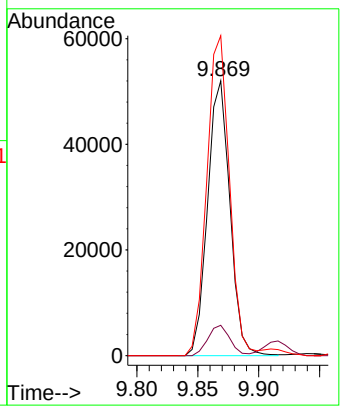


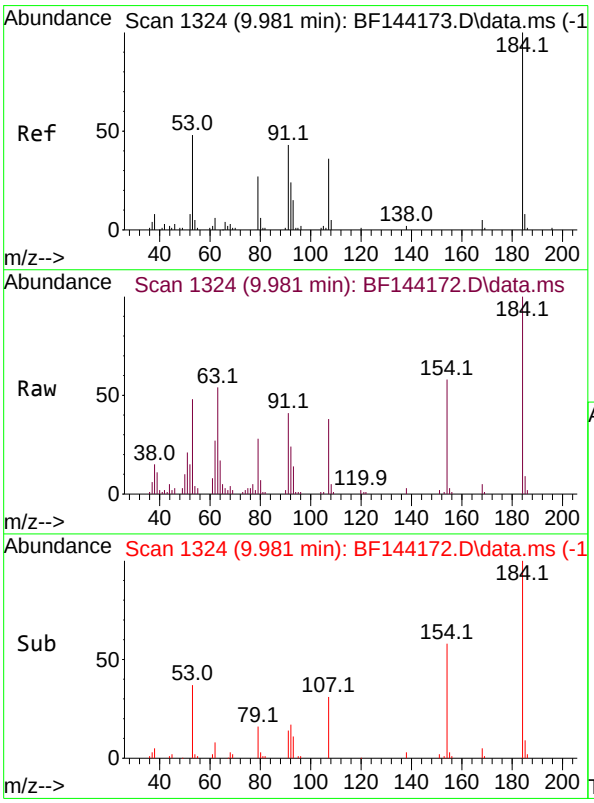
#53
3-Nitroaniline
Concen: 20.623 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 66539

Ion	Ratio	Lower	Upper
138	100		
108	11.1	7.5	11.3
92	116.4	91.8	137.6

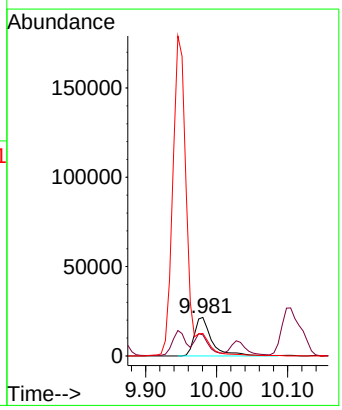


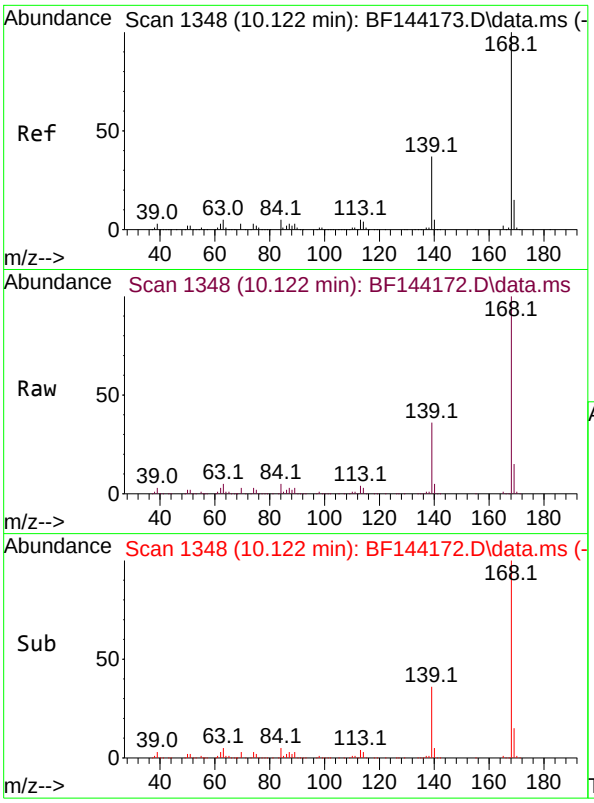


#54
2,4-Dinitrophenol
Concen: 20.453 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:184 Resp: 36453

Ion	Ratio	Lower	Upper
184	100		
63	54.5	44.0	66.0
154	58.3	42.4	63.6



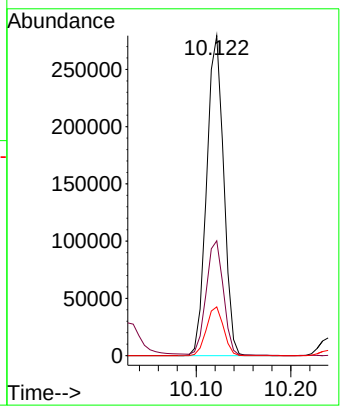


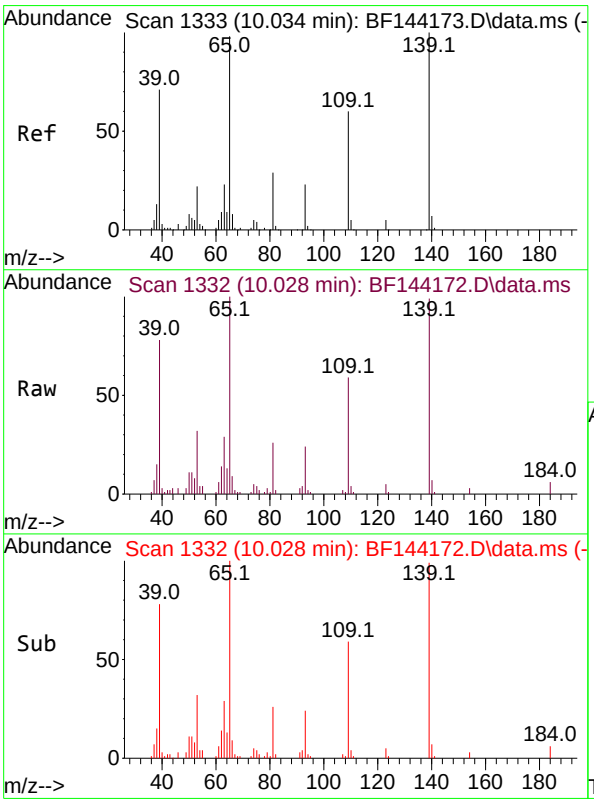
#55
Dibenzofuran
Concen: 20.864 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 348955

Ion	Ratio	Lower	Upper
168	100		
139	35.9	30.2	45.2
169	15.2	12.2	18.4

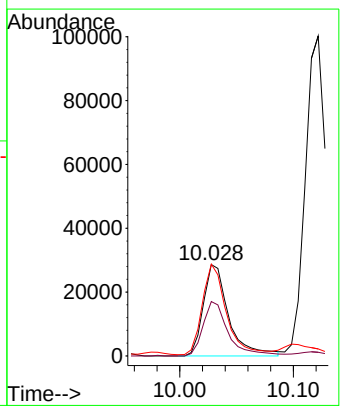


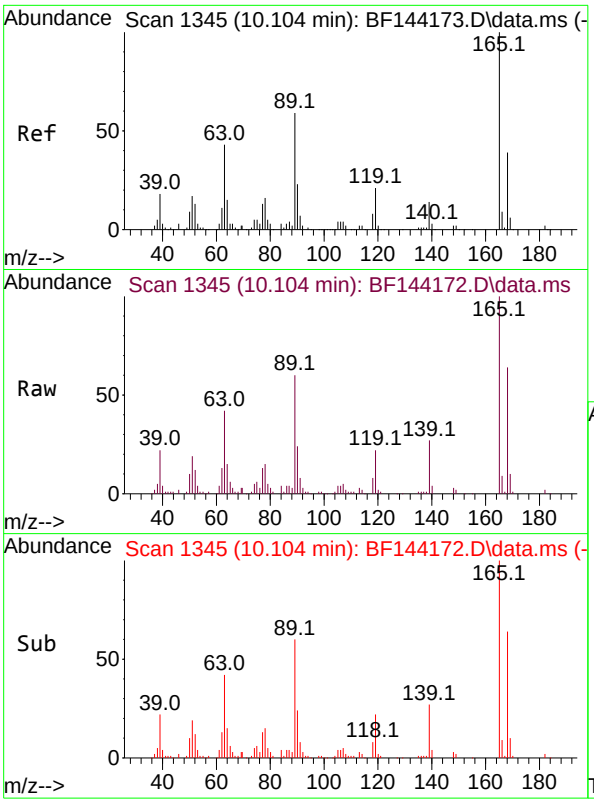


#56
4-Nitrophenol
Concen: 19.003 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:139 Resp: 44352

Ion	Ratio	Lower	Upper
139	100		
109	59.5	39.9	79.9
65	100.6	79.5	119.5



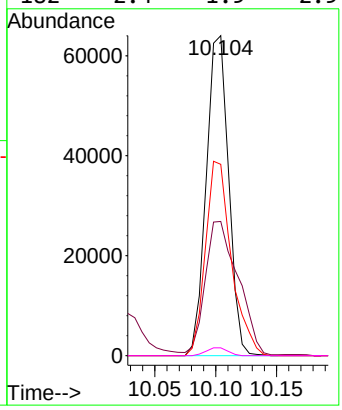


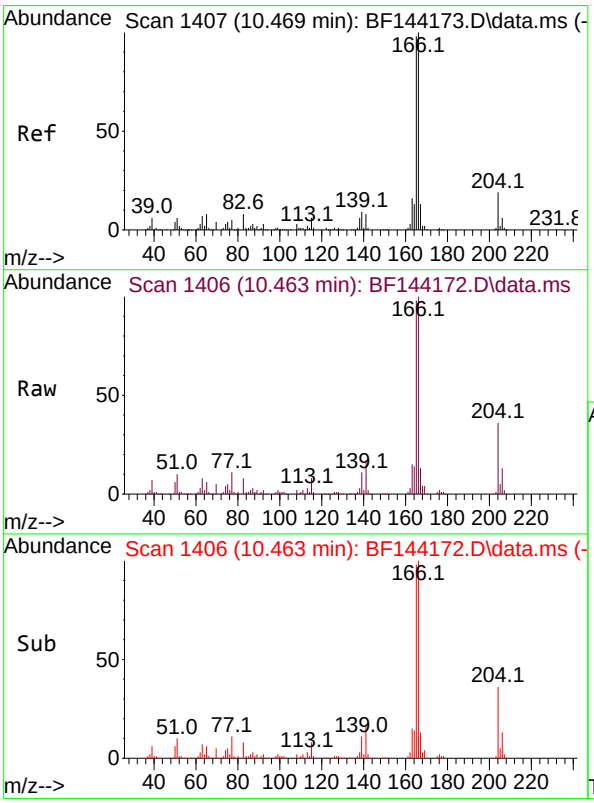
#57
2,4-Dinitrotoluene
Concen: 20.706 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 81812

Ion	Ratio	Lower	Upper
165	100		
63	41.9	35.5	53.3
89	59.8	47.4	71.2
182	2.4	1.9	2.9

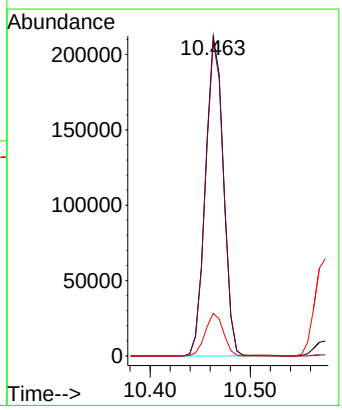


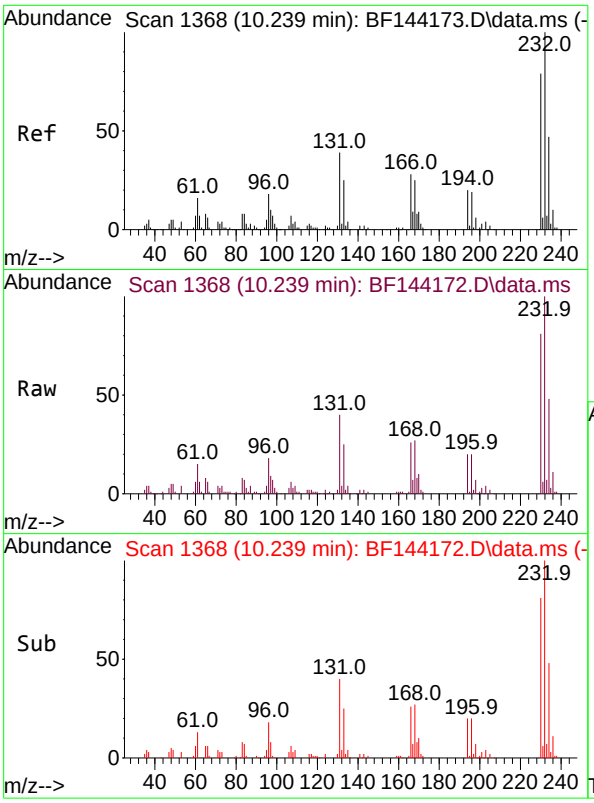


#58
Fluorene
Concen: 20.725 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:166 Resp: 263546

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	118.0
167	13.3	10.4	15.6



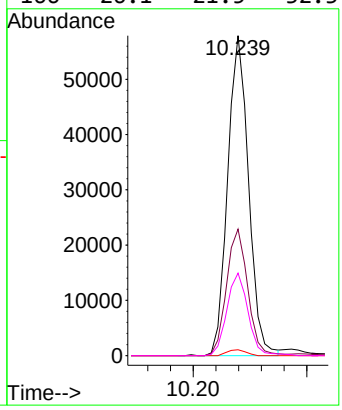


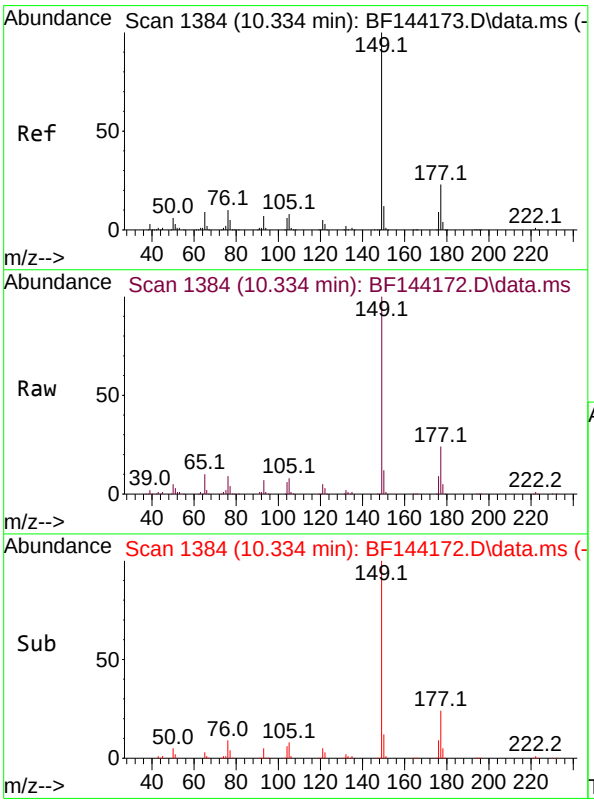
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.762 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 73978

Ion	Ratio	Lower	Upper
232	100		
131	40.2	30.3	45.5
130	1.6	1.2	1.8
166	26.1	21.5	32.3

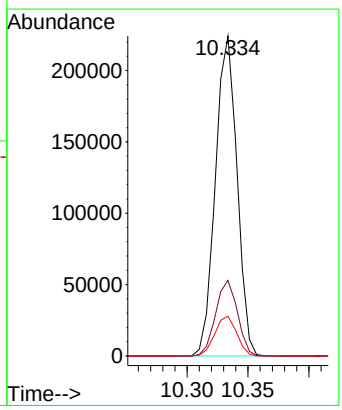


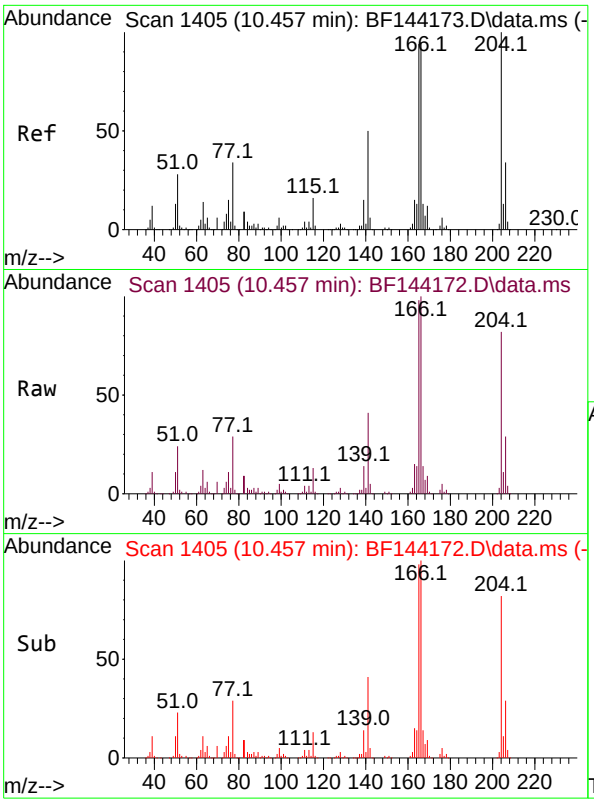


#60
Diethylphthalate
Concen: 20.535 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:149 Resp: 276008

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.3	27.5
150	12.4	9.8	14.6



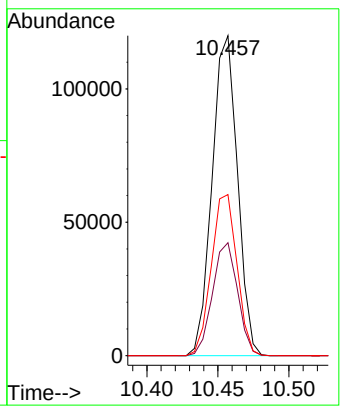


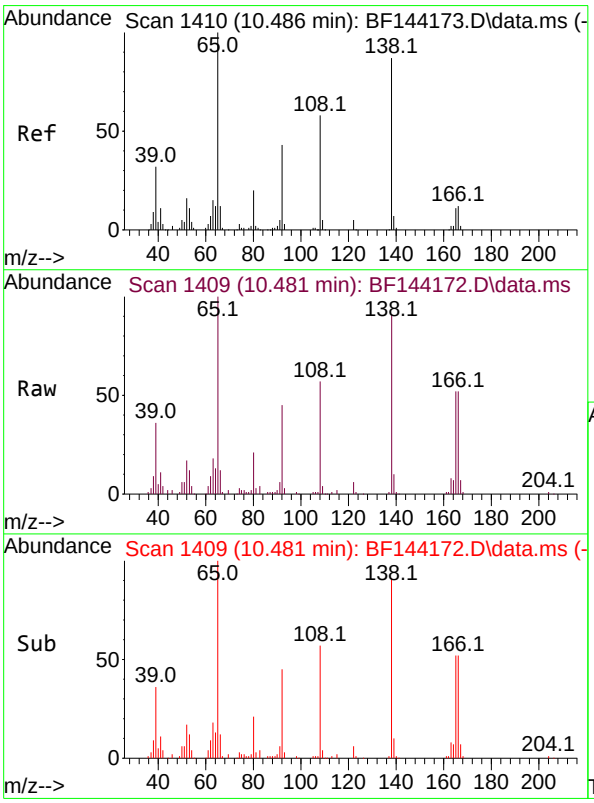
#61
4-Chlorophenyl-phenylether
Concen: 20.595 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 149181

Ion	Ratio	Lower	Upper
204	100		
206	35.3	27.4	41.2
141	50.3	40.0	60.0

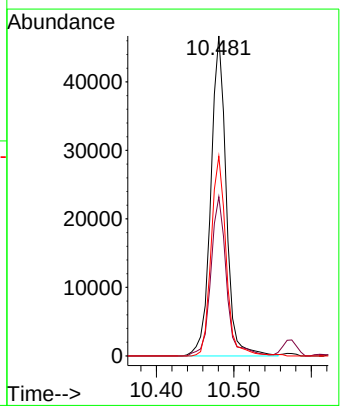


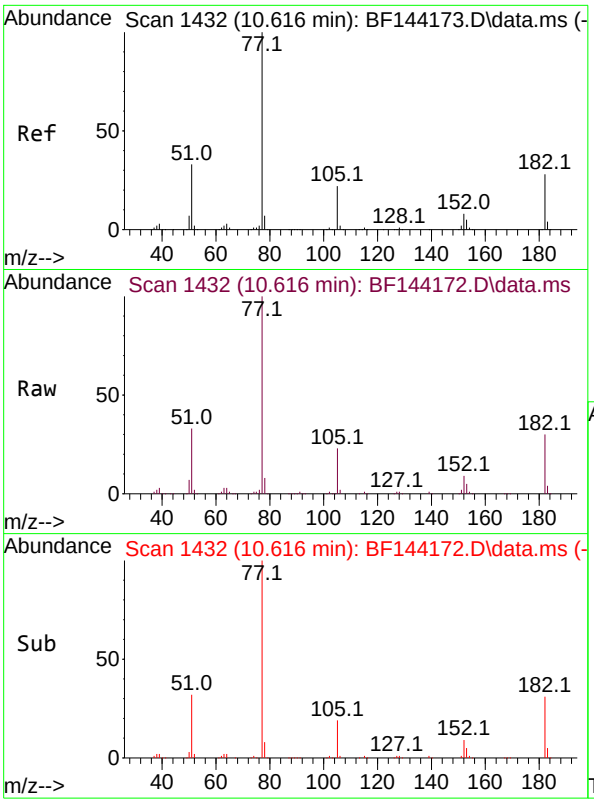


#62
4-Nitroaniline
Concen: 20.987 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.017 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:138 Resp: 64484

Ion	Ratio	Lower	Upper
138	100		
92	49.7	29.4	69.4
108	62.4	46.4	86.4



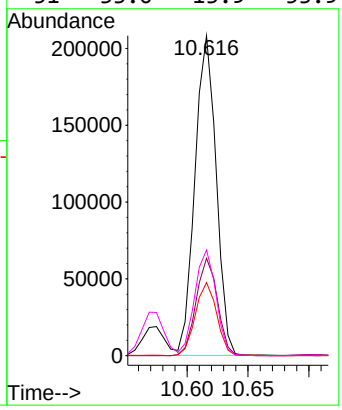


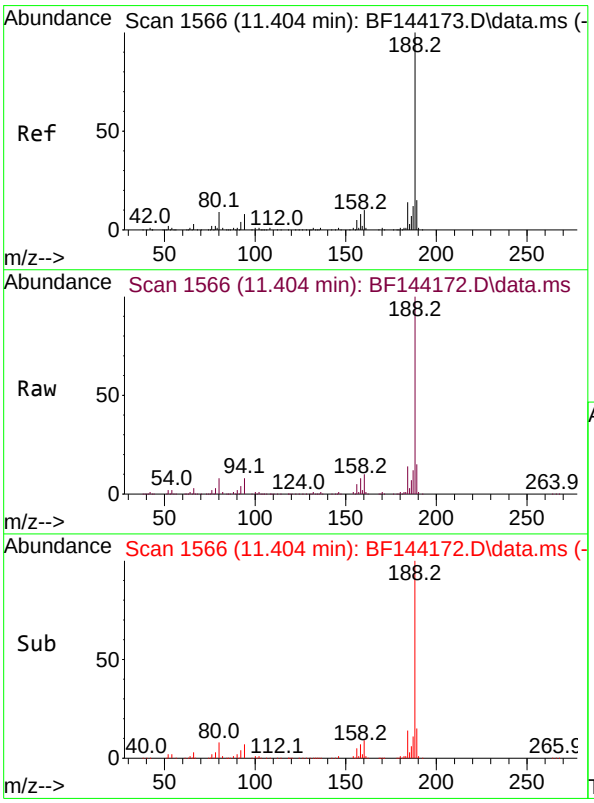
#63
Azobenzene
Concen: 20.147 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 252025

Ion	Ratio	Lower	Upper
77	100		
182	30.4	8.1	48.1
105	22.8	2.0	42.0
51	33.0	13.9	53.9

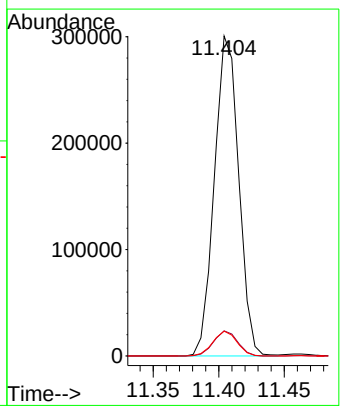


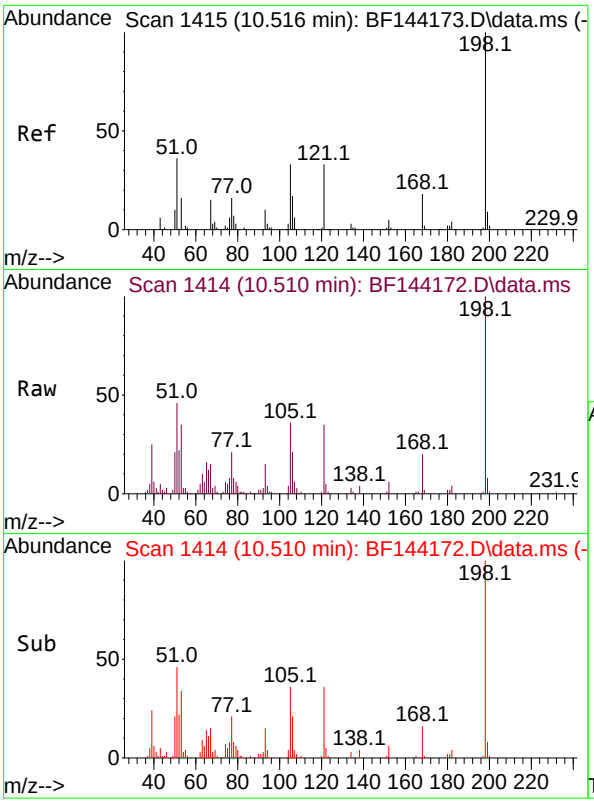


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:188 Resp: 388430

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.2	9.2
80	7.7	6.9	10.3



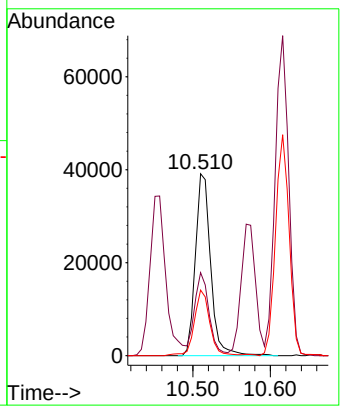


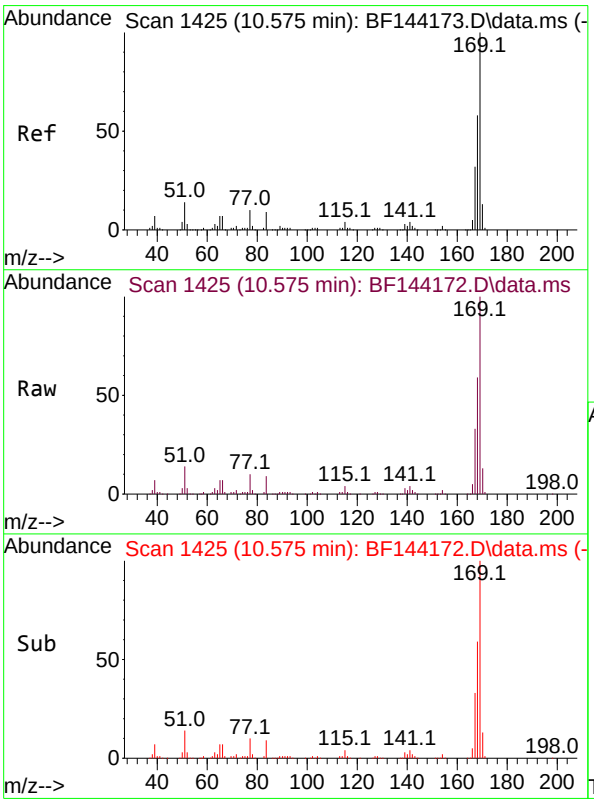
#65
4,6-Dinitro-2-methylphenol
Concen: 20.307 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 53585

Ion	Ratio	Lower	Upper
198	100		
51	45.6	25.6	65.6
105	36.0	14.6	54.6

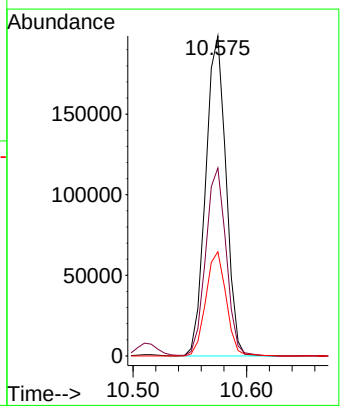


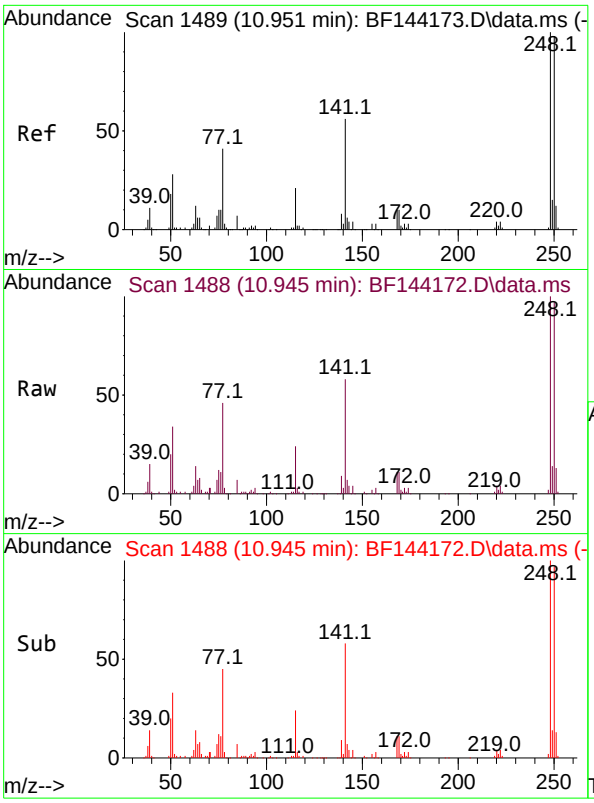


#66
n-Nitrosodiphenylamine
Concen: 19.743 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:169 Resp: 246642

Ion	Ratio	Lower	Upper
169	100		
168	58.7	46.2	69.2
167	32.5	25.7	38.5



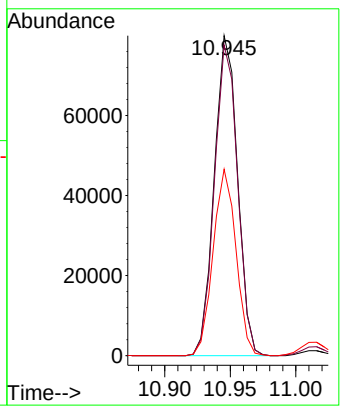


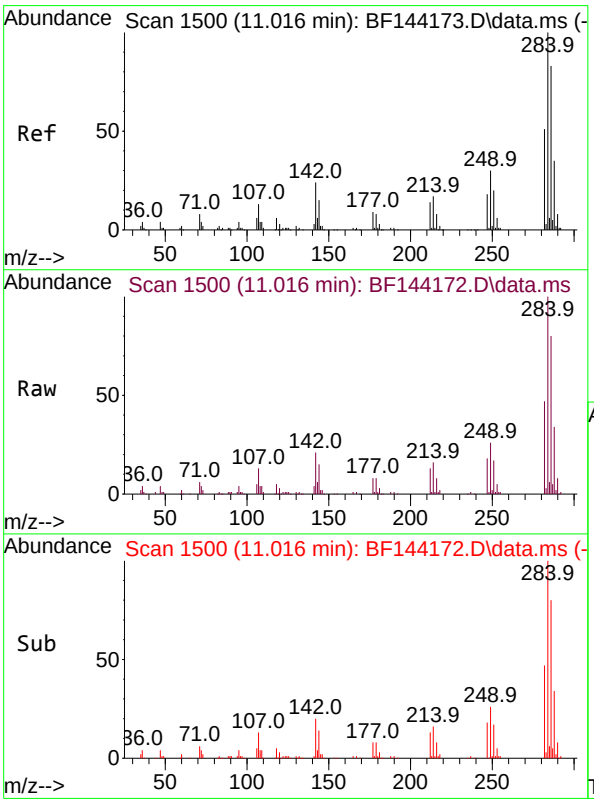
#67
4-Bromophenyl-phenylether
Concen: 19.959 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 98958

Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.4	117.6
141	58.2	45.1	67.7

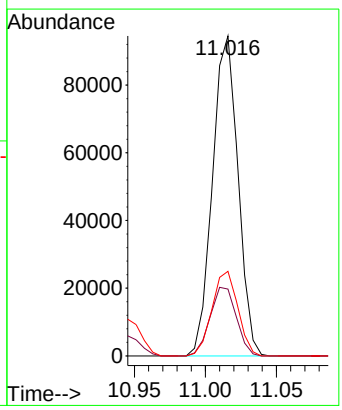


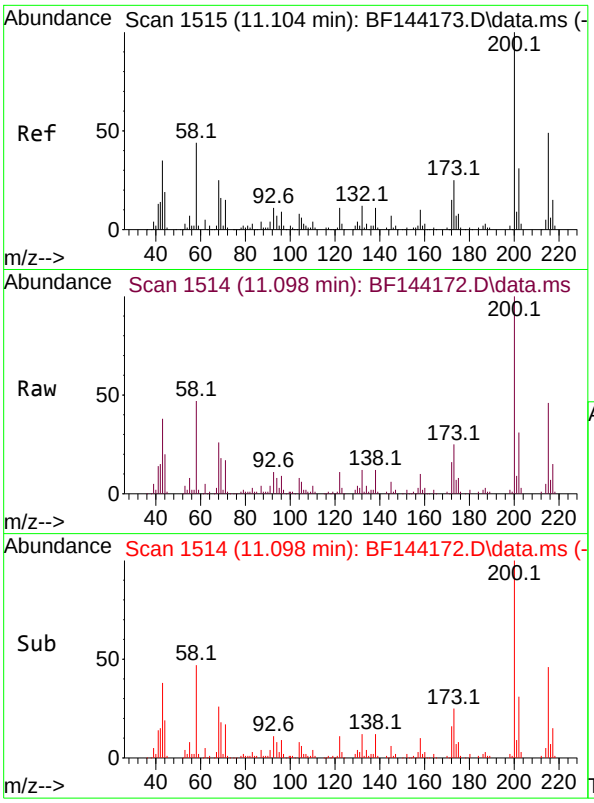


#68
Hexachlorobenzene
Concen: 20.279 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:284 Resp: 118426

Ion	Ratio	Lower	Upper
284	100		
142	20.9	19.2	28.8
249	26.4	23.8	35.8



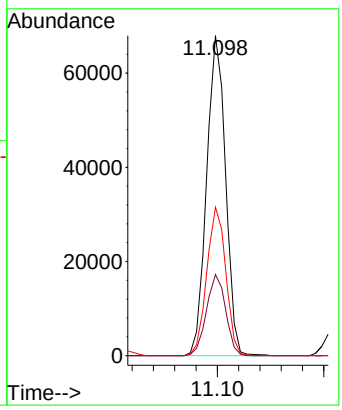


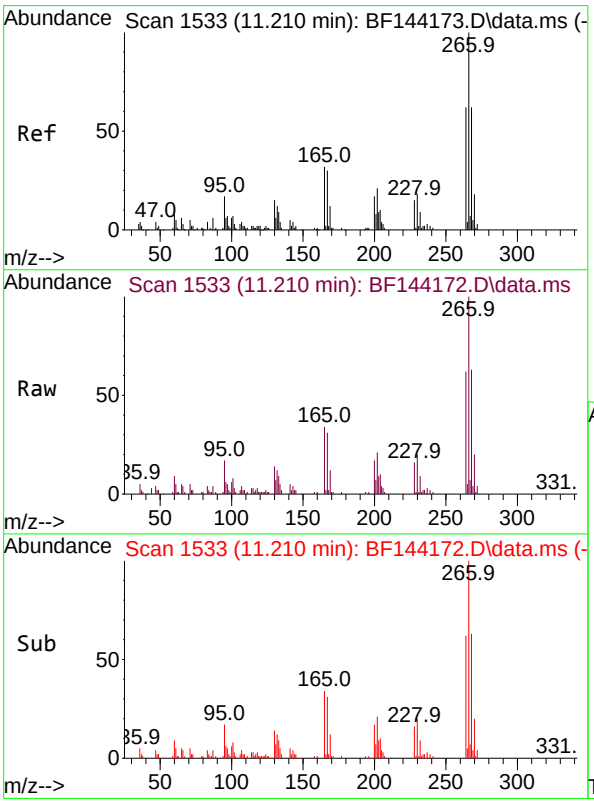
#69
Atrazine
Concen: 21.052 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 83639

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.0	45.0
215	46.4	28.7	68.7

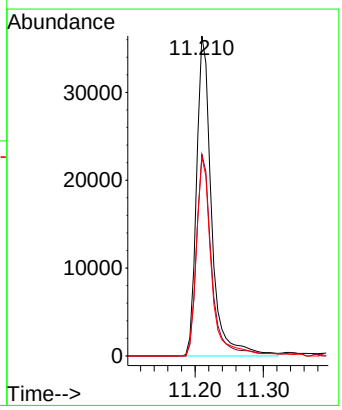


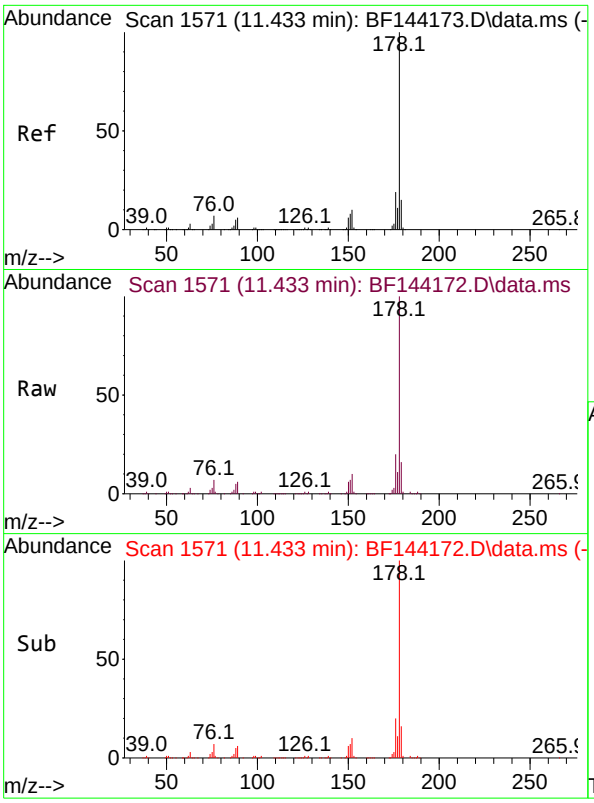


#70
Pentachlorophenol
Concen: 19.177 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:266 Resp: 55766

Ion	Ratio	Lower	Upper
266	100		
268	63.0	49.5	74.3
264	62.1	49.4	74.2



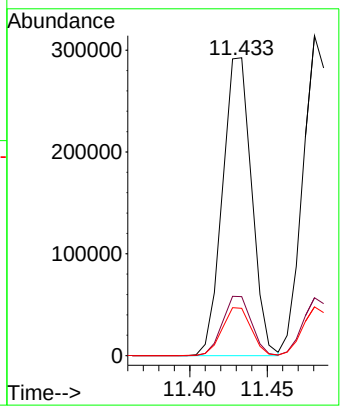


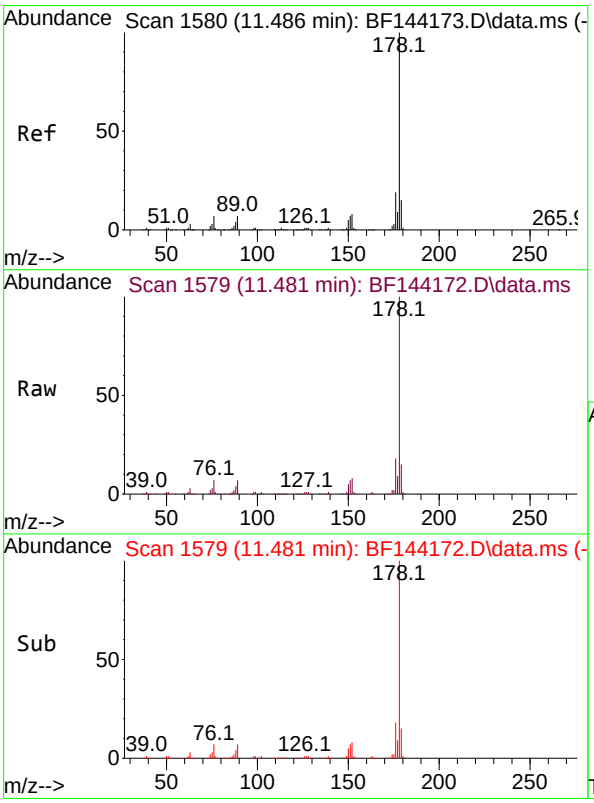
#71
Phenanthrene
Concen: 19.794 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 382805

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.9	12.2	18.4

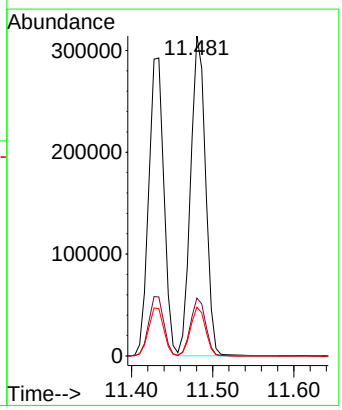


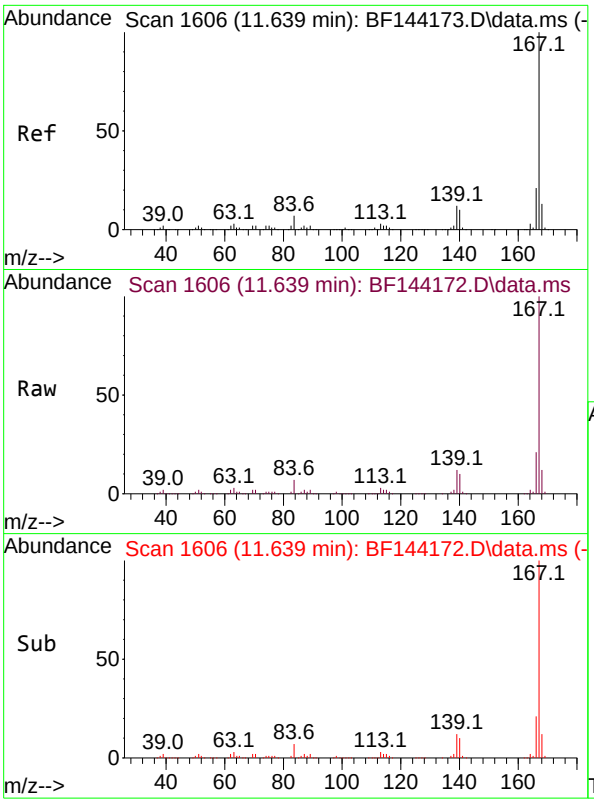


#72
Anthracene
Concen: 20.292 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:178 Resp: 399043

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.3	22.9
179	15.3	12.0	18.0



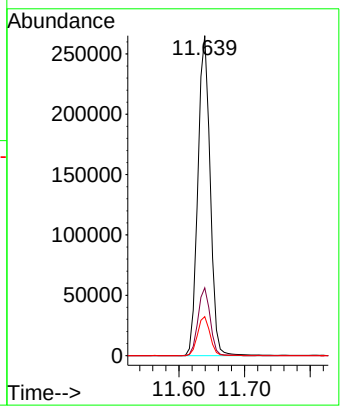


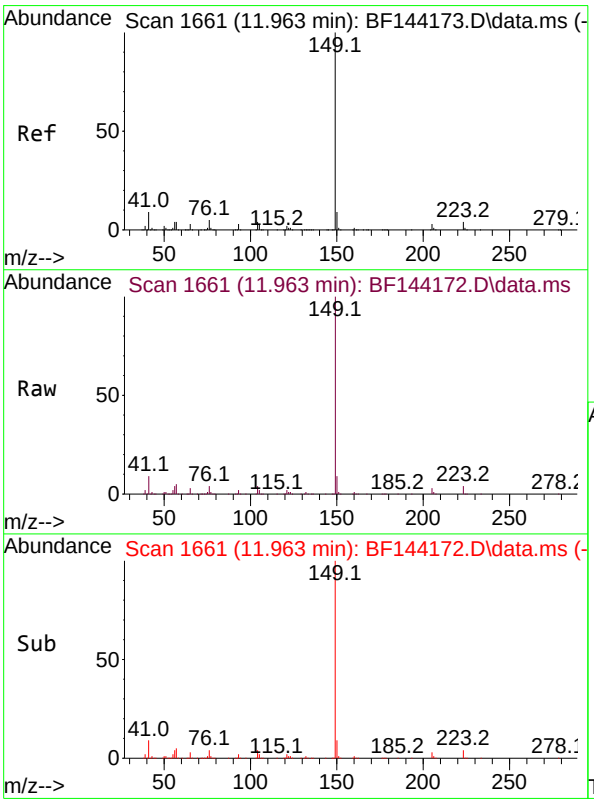
#73
Carbazole
Concen: 20.490 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 342636

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.2	9.9	14.9

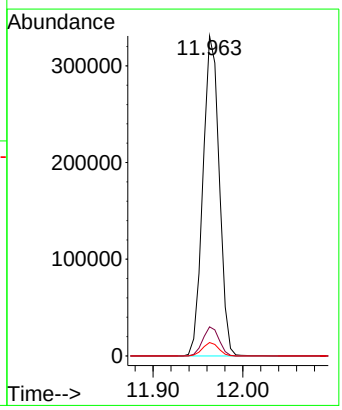


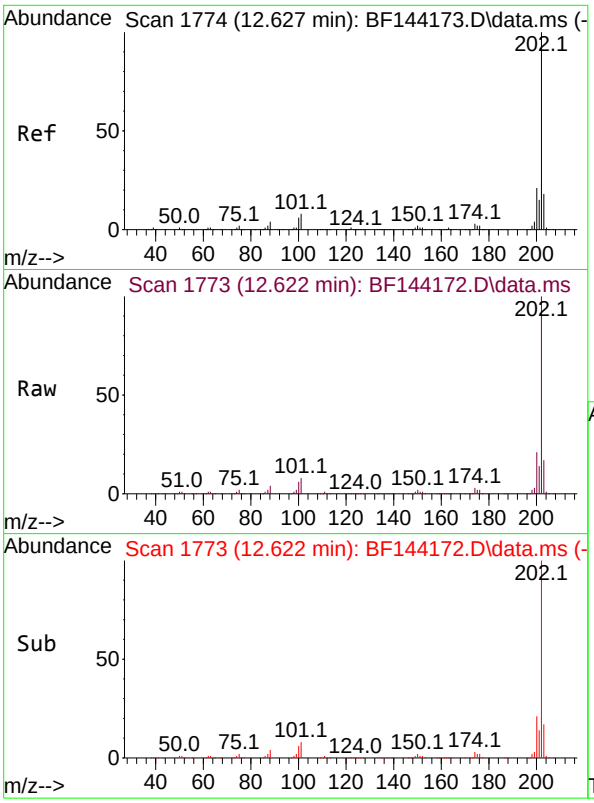


#74
Di-n-butylphthalate
Concen: 20.691 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:149 Resp: 418262

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.2	3.4	5.2



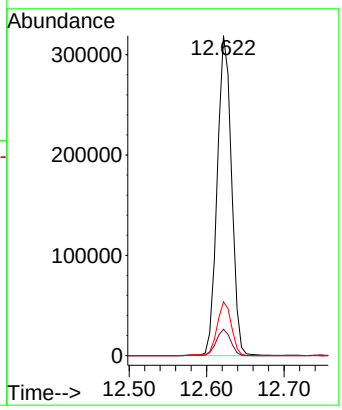


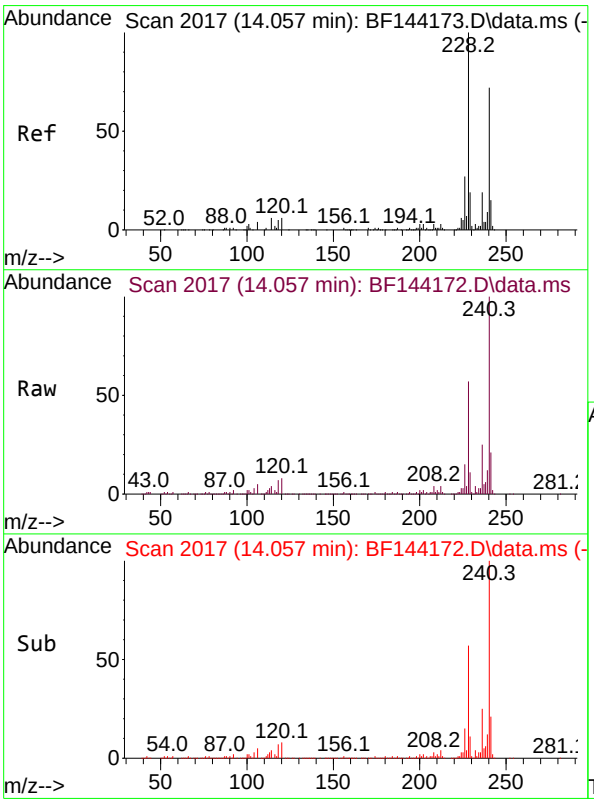
#75
Fluoranthene
Concen: 20.466 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 408870

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.9
203	16.8	0.0	37.5

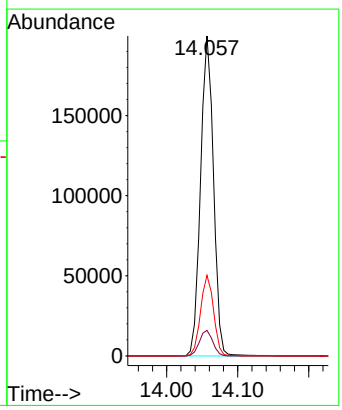


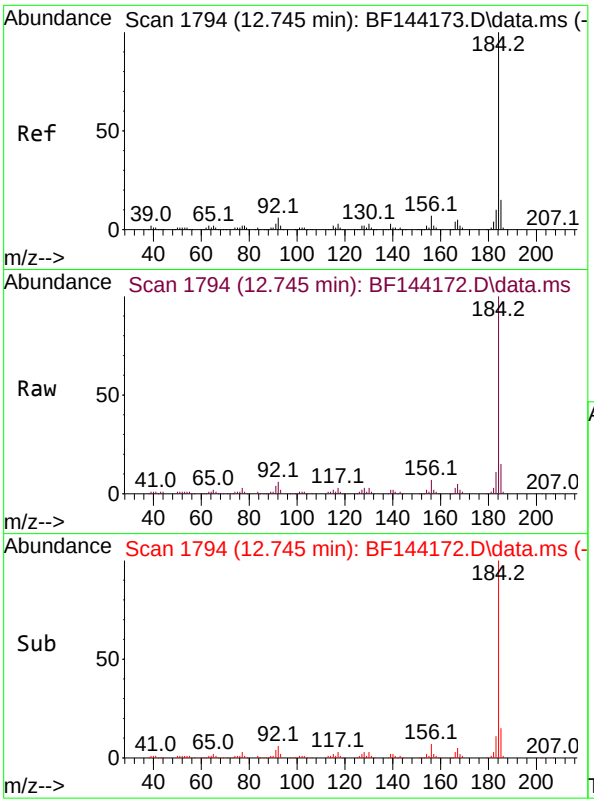


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:240 Resp: 250706

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.6	10.0
236	25.2	21.4	32.2



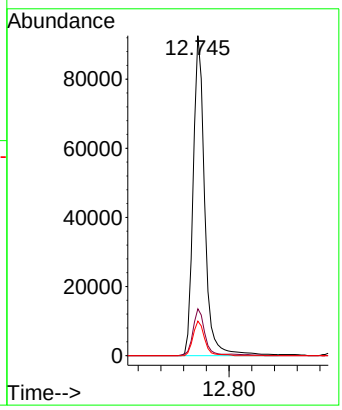


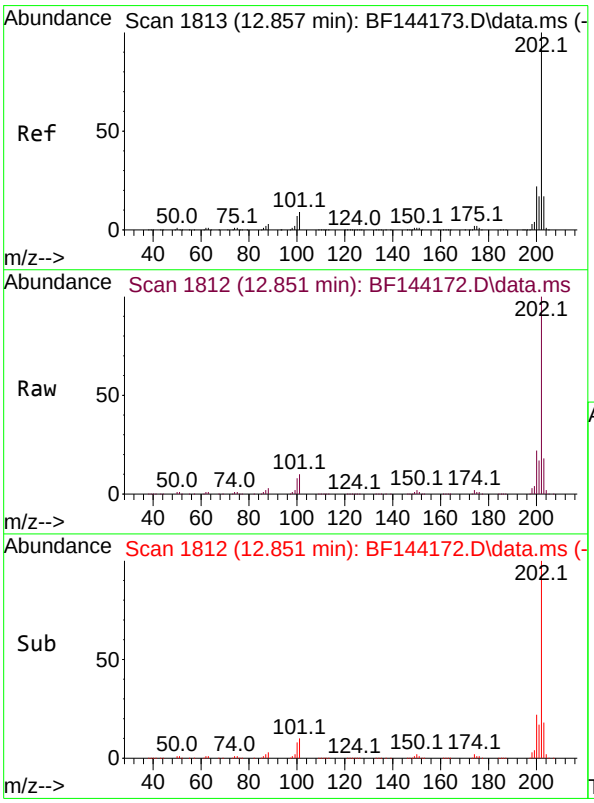
#77
Benzidine
Concen: 17.535 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 130033

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.7	17.5
183	10.8	8.3	12.5

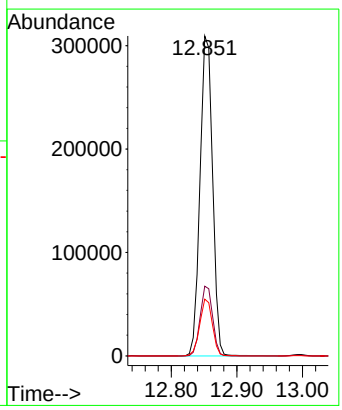


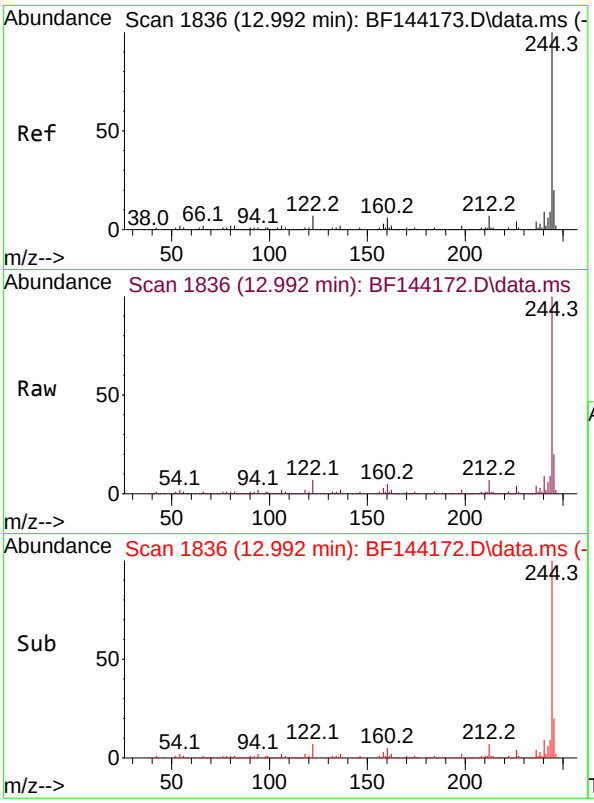


#78
Pyrene
Concen: 20.229 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:202 Resp: 408920

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.7	13.7	20.5



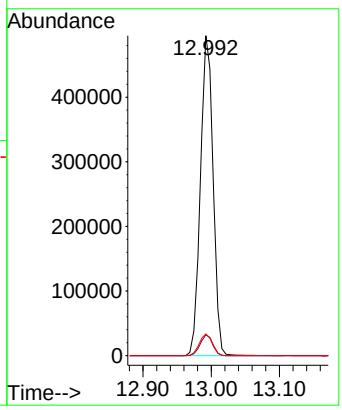


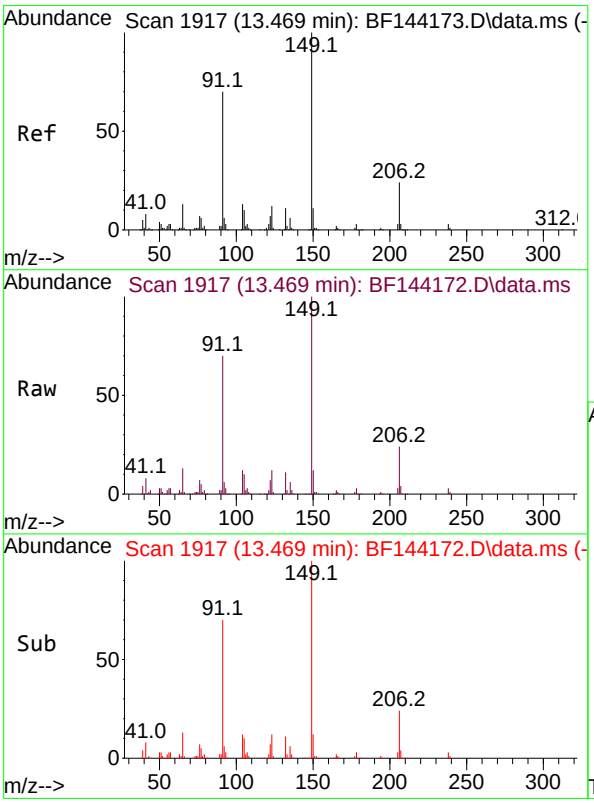
#79
Terphenyl-d14
Concen: 40.461 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 638611

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	6.8	5.6	8.4

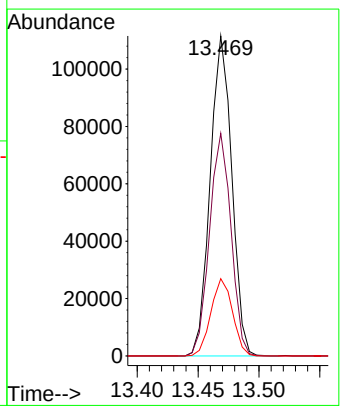


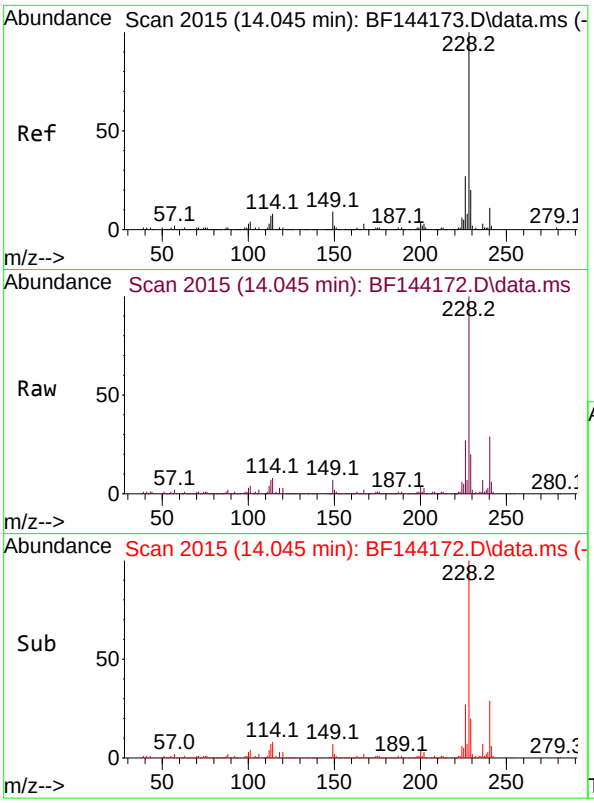


#80
Butylbenzylphthalate
Concen: 19.677 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:149 Resp: 137856

Ion	Ratio	Lower	Upper
149	100		
91	69.5	56.1	84.1
206	24.1	18.8	28.2



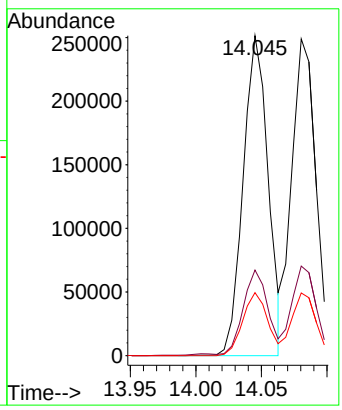


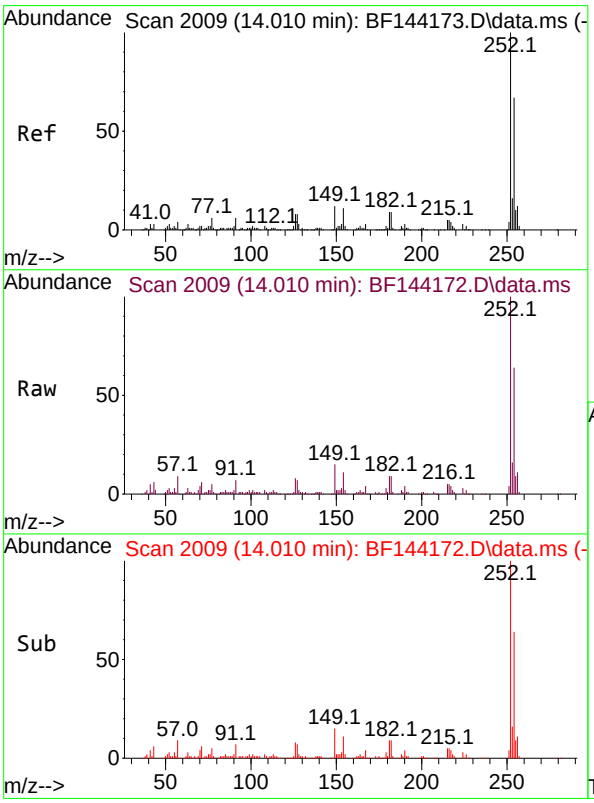
#81
Benzo(a)anthracene
Concen: 19.191 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 333458

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.7	15.8	23.6

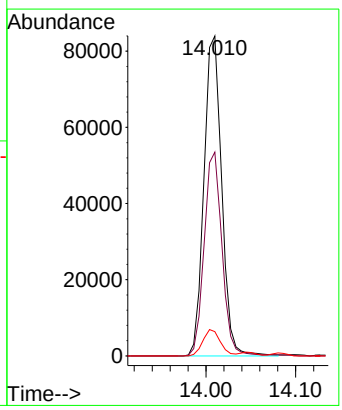


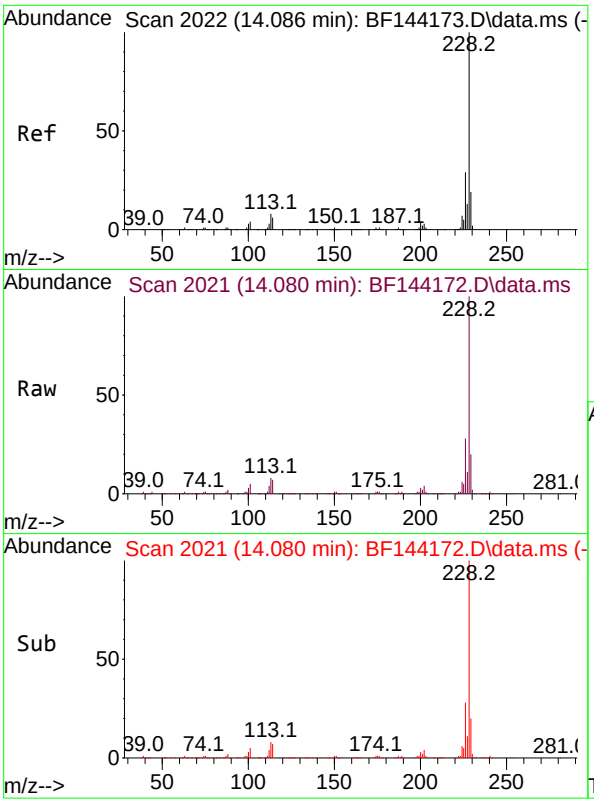


#82
3,3'-Dichlorobenzidine
Concen: 19.389 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:252 Resp: 115478

Ion	Ratio	Lower	Upper
252	100		
254	63.7	53.5	80.3
126	7.6	6.4	9.6



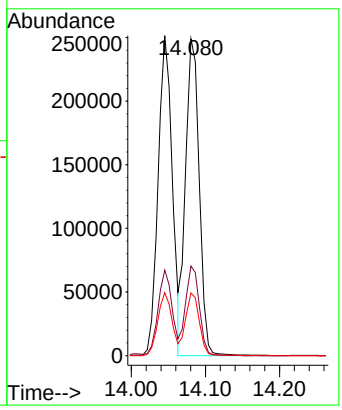


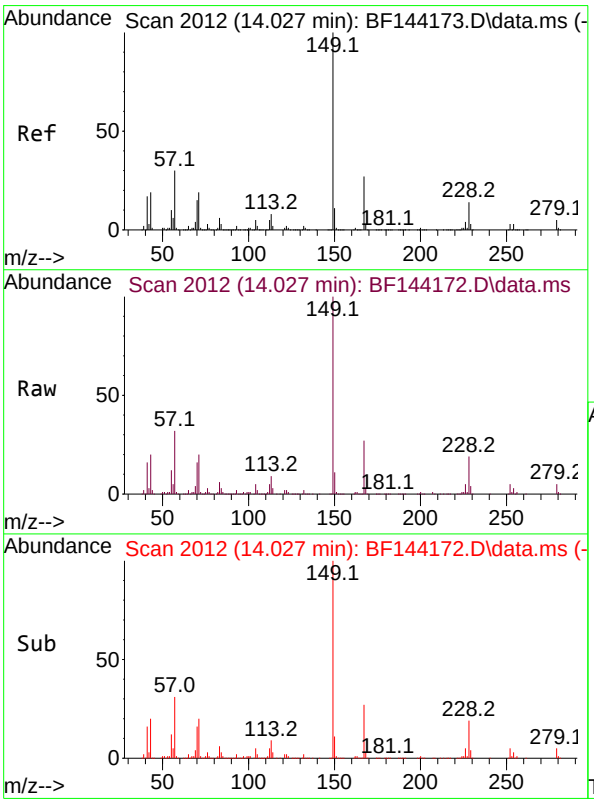
#83
Chrysene
Concen: 19.995 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 320726

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.9	34.3
229	19.8	15.0	22.6

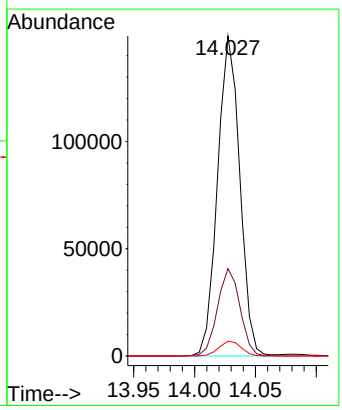


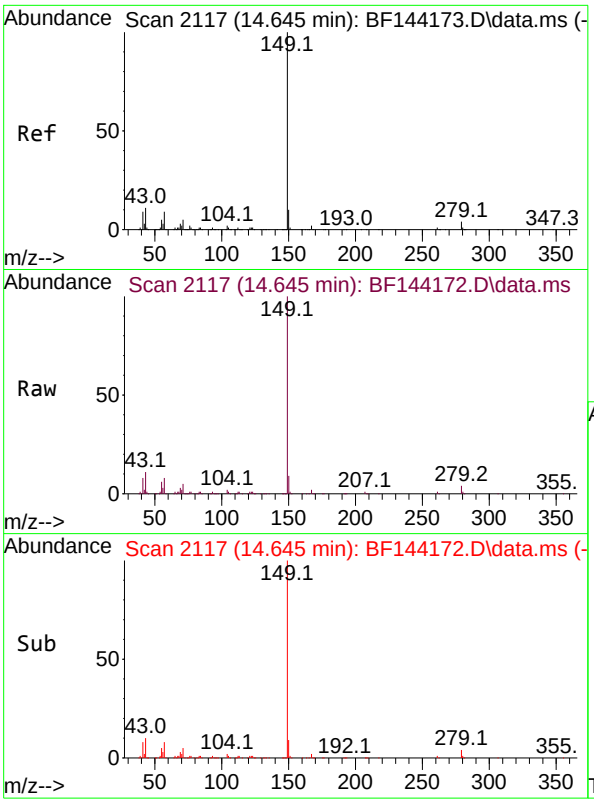


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.738 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:149 Resp: 189305

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.8
279	4.6	3.7	5.5



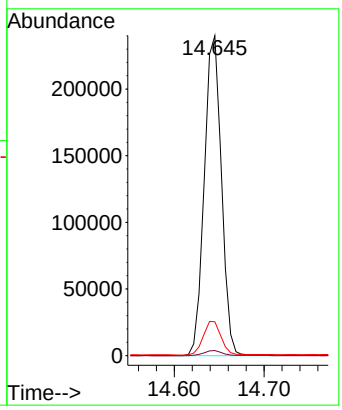


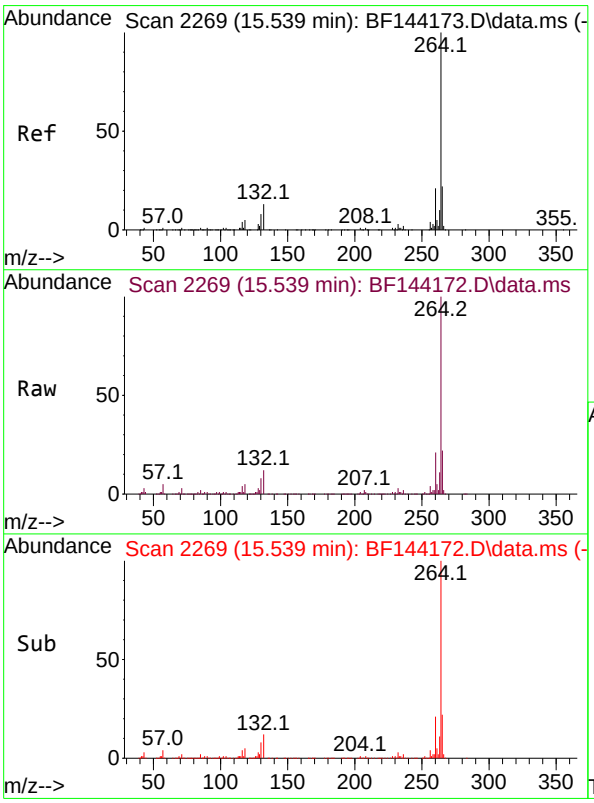
#85
Di-n-octyl phthalate
Concen: 19.268 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 318841

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.0	9.0	13.4

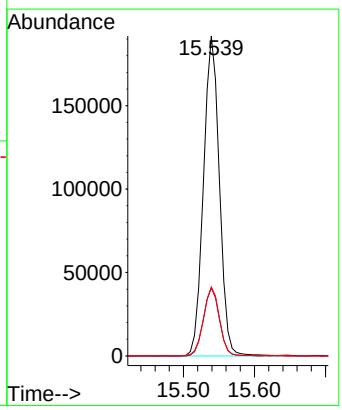


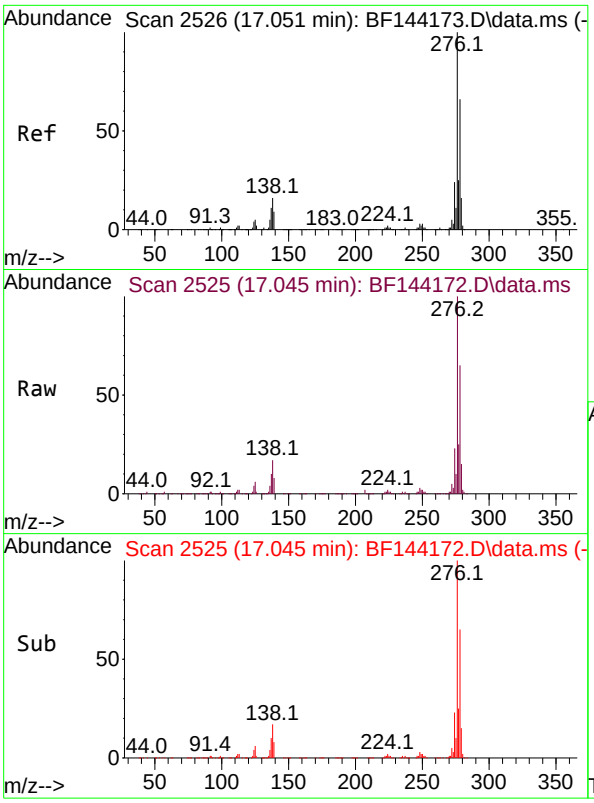


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:264 Resp: 297677

Ion	Ratio	Lower	Upper
264	100		
260	21.2	17.1	25.7
265	21.6	17.4	26.0



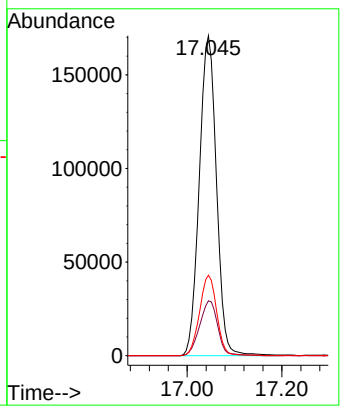


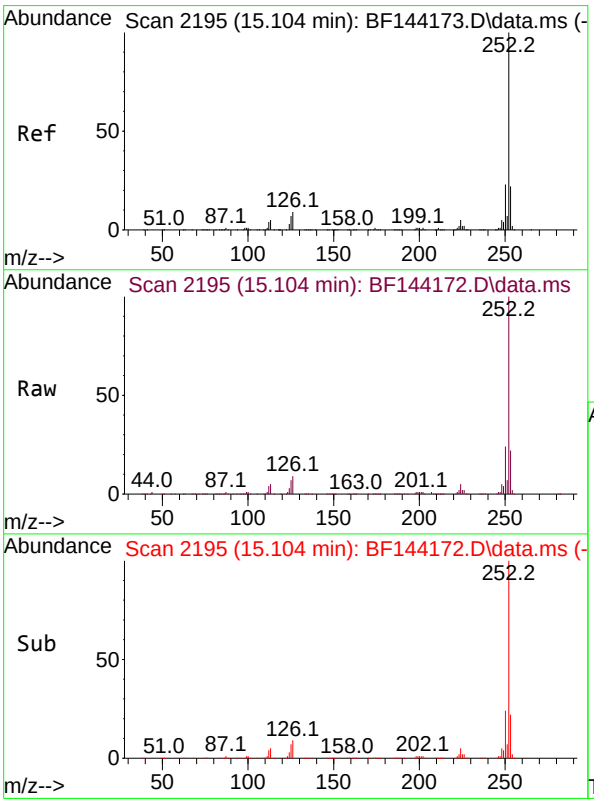
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.155 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 430691

Ion	Ratio	Lower	Upper
276	100		
138	18.0	13.9	20.9
277	25.0	19.8	29.6

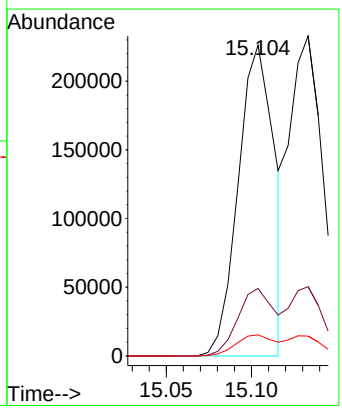


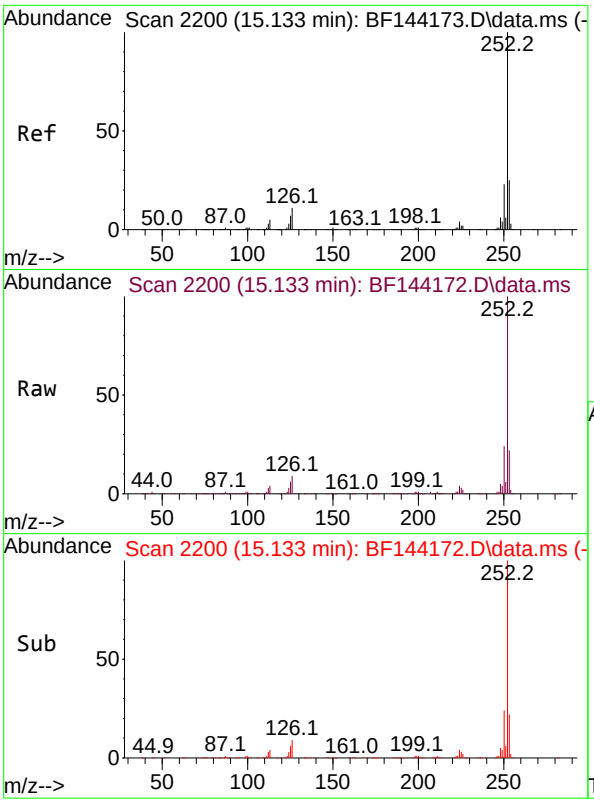


#88
Benzo(b)fluoranthene
Concen: 19.598 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:252 Resp: 331673

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	6.8	5.3	7.9



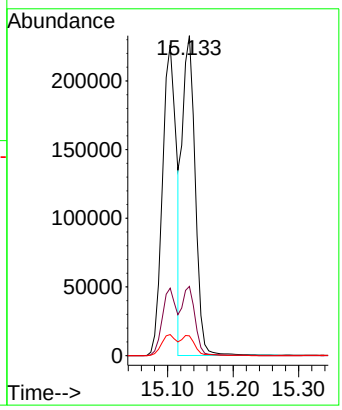


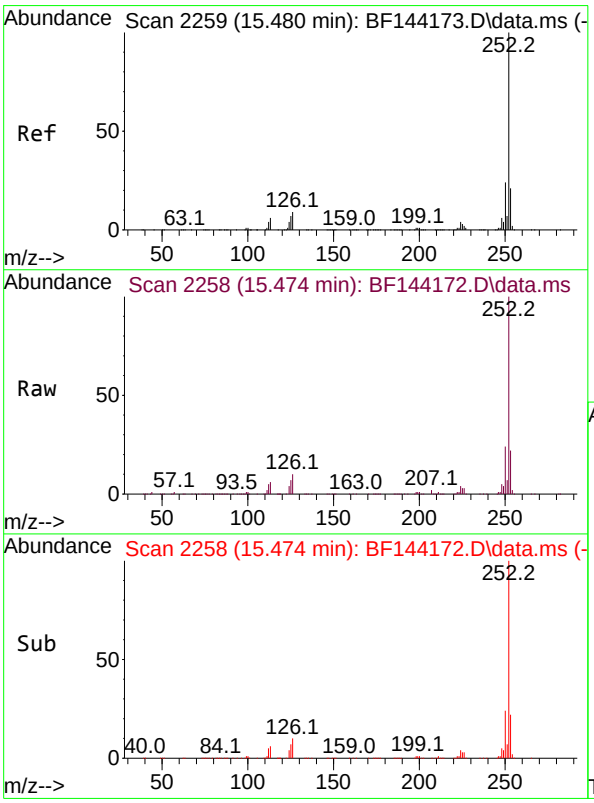
#89
Benzo(k)fluoranthene
Concen: 20.358 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 322479

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	6.2	5.4	8.2

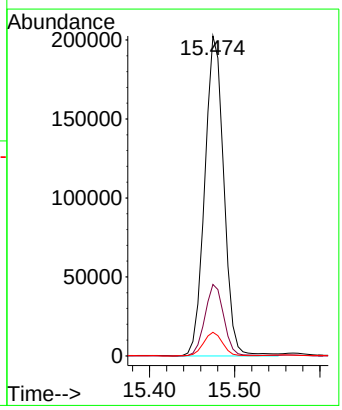


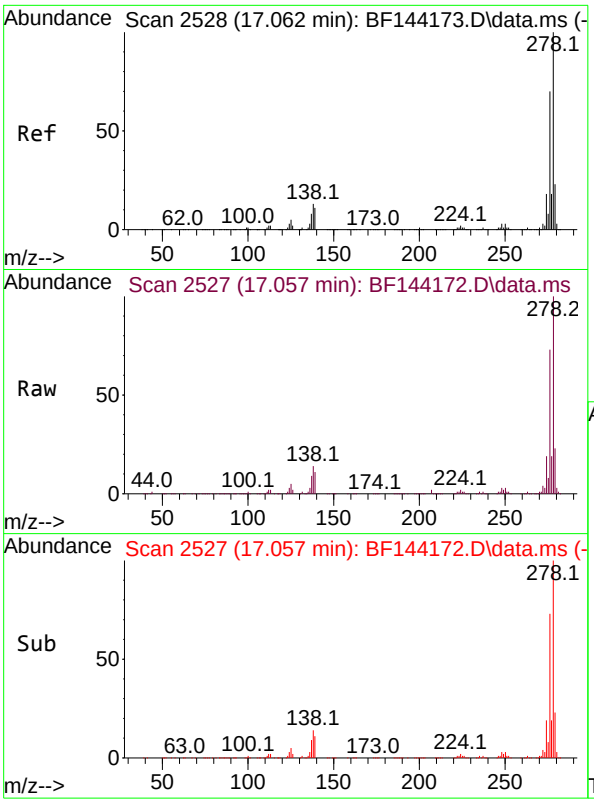


#90
Benzo(a)pyrene
Concen: 20.169 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:252 Resp: 314894

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.7	25.1
125	7.4	5.7	8.5



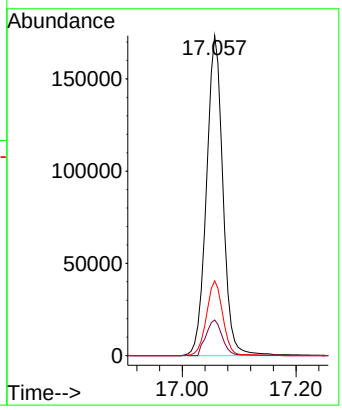


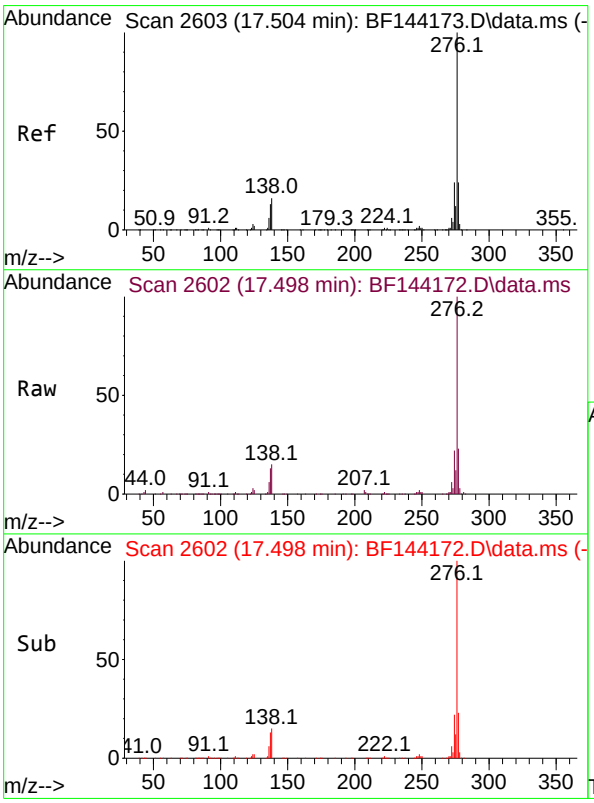
#91
Dibenzo(a,h)anthracene
Concen: 20.383 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 349788

Ion	Ratio	Lower	Upper
278	100		
139	11.1	9.1	13.7
279	23.4	18.2	27.4

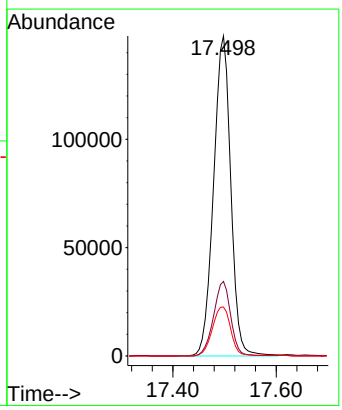




#92
Benzo(g,h,i)perylene
Concen: 20.248 ng
RT: 17.498 min Scan# 2602
Delta R.T. -0.023 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:276 Resp: 343144

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	15.3	12.9	19.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144173.D
Acq On : 05 Nov 2025 14:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 17:24:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.875	152	69901	20.000 ng	0.00
21) Naphthalene-d8	8.157	136	262306	20.000 ng	0.00
39) Acenaphthene-d10	9.916	164	148823	20.000 ng	0.00
64) Phenanthrene-d10	11.404	188	257329	20.000 ng	0.00
76) Chrysene-d12	14.057	240	162650	20.000 ng	0.00
86) Perylene-d12	15.539	264	208923	20.000 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	5.487	112	367722	82.322 ng	0.00
7) Phenol-d6	6.504	99	408339	80.678 ng	0.00
23) Nitrobenzene-d5	7.440	82	377687	83.160 ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	157795	84.493 ng	0.00
45) 2-Fluorobiphenyl	9.234	172	803464	79.737 ng	0.00
79) Terphenyl-d14	12.992	244	856515	83.645 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.605	88	77384	41.903 ng	100
3) Pyridine	3.375	79	212533	41.251 ng	100
4) n-Nitrosodimethylamine	3.322	42	108374	40.269 ng	100
6) Aniline	6.540	93	288906	40.064 ng	100
8) 2-Chlorophenol	6.657	128	179075	40.879 ng	100
9) Benzaldehyde	6.428	77	114062	39.909 ng	100
10) Phenol	6.516	94	259703	41.997 ng	100
11) bis(2-Chloroethyl)ether	6.610	93	184041	40.844 ng	100
12) 1,3-Dichlorobenzene	6.816	146	215469	39.861 ng	100
13) 1,4-Dichlorobenzene	6.893	146	222488	41.084 ng	100
14) 1,2-Dichlorobenzene	7.045	146	207631	40.001 ng	100
15) Benzyl Alcohol	7.016	79	162316	40.501 ng	100
16) 2,2'-oxybis(1-Chloropr...	7.145	45	338078	40.743 ng	100
17) 2-Methylphenol	7.128	107	144386	41.431 ng	100
18) Hexachloroethane	7.387	117	74377	41.339 ng	100
19) n-Nitroso-di-n-propyla...	7.287	70	132769	39.848 ng	100
20) 3+4-Methylphenols	7.281	107	169917	41.361 ng	100
22) Acetophenone	7.287	105	227627	40.452 ng	100
24) Nitrobenzene	7.457	77	203520	41.272 ng	100
25) Isophorone	7.692	82	352919	41.082 ng	100
26) 2-Nitrophenol	7.775	139	103181	42.269 ng	100
27) 2,4-Dimethylphenol	7.810	122	156535	42.784 ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	221900	41.364 ng	100
29) 2,4-Dichlorophenol	8.016	162	173779	41.210 ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	176777	40.825 ng	100
31) Naphthalene	8.181	128	508521	40.755 ng	100
32) Benzoic acid	7.916	122	94209	35.128 ng	100
33) 4-Chloroaniline	8.228	127	190054	41.763 ng	100
34) Hexachlorobutadiene	8.292	225	135990	41.671 ng	100
35) Caprolactam	8.598	113	48459	41.945 ng	100
36) 4-Chloro-3-methylphenol	8.710	107	155844	41.237 ng	100
37) 2-Methylnaphthalene	8.869	142	339639	40.712 ng	100
38) 1-Methylnaphthalene	8.969	142	325483	40.435 ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	200998	41.210 ng	100
41) Hexachlorocyclopentadiene	9.022	237	59520	39.991 ng	100
43) 2,4,6-Trichlorophenol	9.151	196	135691	40.875 ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144173.D
Acq On : 05 Nov 2025 14:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 17:24:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	145405	40.641 ng	100
46) 1,1'-Biphenyl	9.334	154	419119	40.345 ng	100
47) 2-Chloronaphthalene	9.363	162	358514	40.458 ng	100
48) 2-Nitroaniline	9.457	65	107536	42.059 ng	100
49) Acenaphthylene	9.775	152	489708	40.553 ng	100
50) Dimethylphthalate	9.628	163	400479	40.620 ng	100
51) 2,6-Dinitrotoluene	9.698	165	82166	41.169 ng	100
52) Acenaphthene	9.951	154	326285	40.406 ng	100
53) 3-Nitroaniline	9.869	138	93636	42.918 ng	100
54) 2,4-Dinitrophenol	9.981	184	41716	34.614 ng	100
55) Dibenzofuran	10.122	168	461538	40.810 ng	100
56) 4-Nitrophenol	10.034	139	60643	38.426 ng	100
57) 2,4-Dinitrotoluene	10.104	165	114508	42.858 ng	100
58) Fluorene	10.469	166	351182	40.841 ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	106411	42.037 ng	100
60) Diethylphthalate	10.334	149	373187	41.061 ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	203750	41.598 ng	100
62) 4-Nitroaniline	10.486	138	85679	41.237 ng	100
63) Azobenzene	10.616	77	346367	40.948 ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	67029	38.343 ng	100
66) n-Nitrosodiphenylamine	10.575	169	332623	40.189 ng	100
67) 4-Bromophenyl-phenylether	10.951	248	135319	41.198 ng	100
68) Hexachlorobenzene	11.016	284	154532	39.943 ng	100
69) Atrazine	11.104	200	105912	40.239 ng	100
70) Pentachlorophenol	11.210	266	80306	41.685 ng	100
71) Phenanthrene	11.433	178	519052	40.513 ng	100
72) Anthracene	11.486	178	525954	40.372 ng	100
73) Carbazole	11.639	167	451935	40.796 ng	100
74) Di-n-butylphthalate	11.963	149	550628	41.117 ng	100
75) Fluoranthene	12.627	202	542525	40.992 ng	100
77) Benzidine	12.745	184	202921	42.178 ng	100
78) Pyrene	12.857	202	554374	42.272 ng	100
80) Butylbenzylphthalate	13.469	149	191850	42.209 ng	100
81) Benzo(a)anthracene	14.045	228	465201	41.267 ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	156957	40.620 ng	100
83) Chrysene	14.086	228	456347	43.853 ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	265384	42.651 ng	100
85) Di-n-octyl phthalate	14.645	149	458823	42.739 ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	620668	41.385 ng	100
88) Benzo(b)fluoranthene	15.104	252	515192	43.375 ng	100
89) Benzo(k)fluoranthene	15.133	252	435087	39.135 ng	100
90) Benzo(a)pyrene	15.480	252	449869	41.055 ng	100
91) Dibenzo(a,h)anthracene	17.062	278	500778	41.578 ng	100
92) Benzo(g,h,i)perylene	17.504	276	497680	41.843 ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

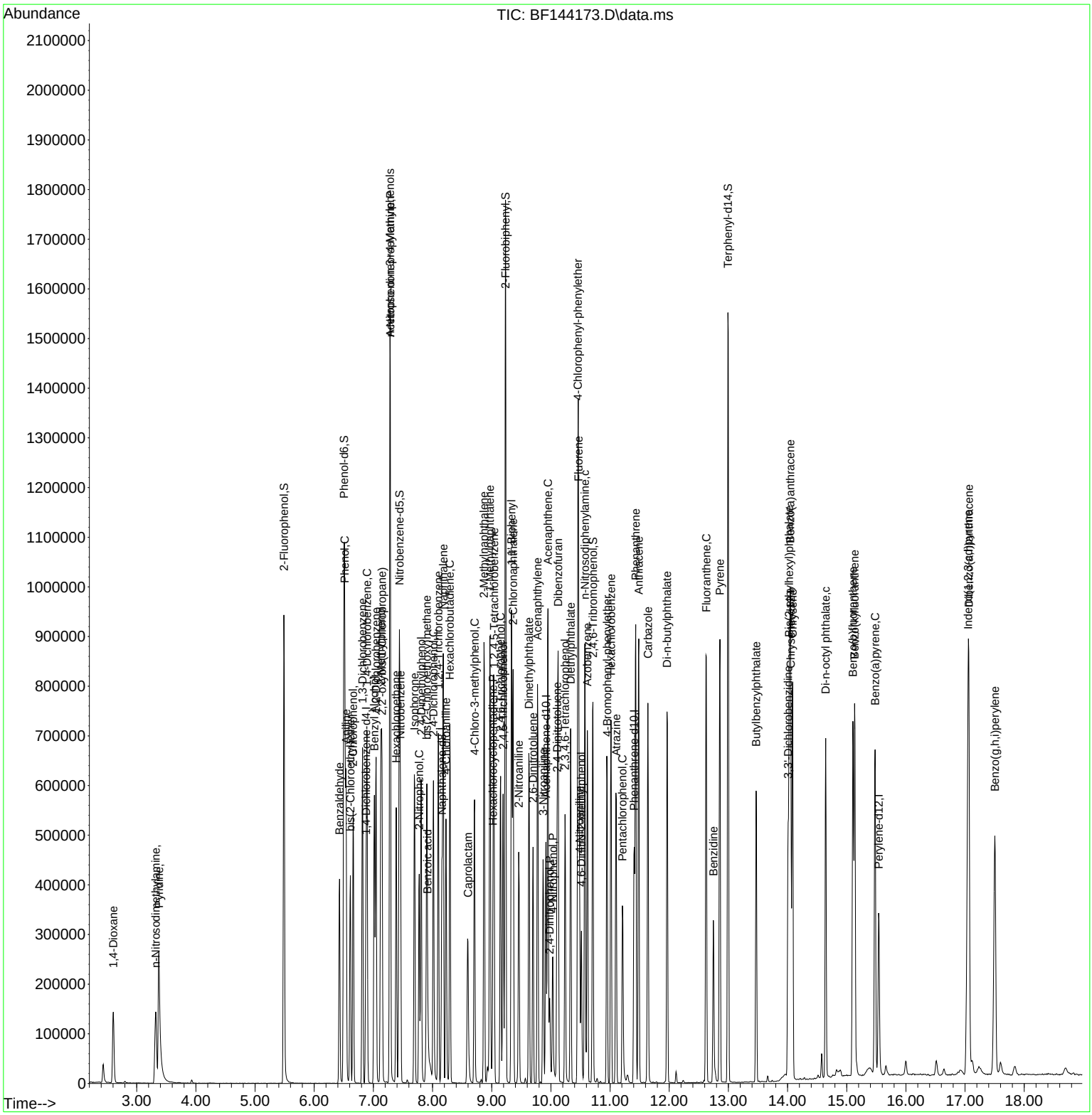
Quantitation Report (QT Reviewed)

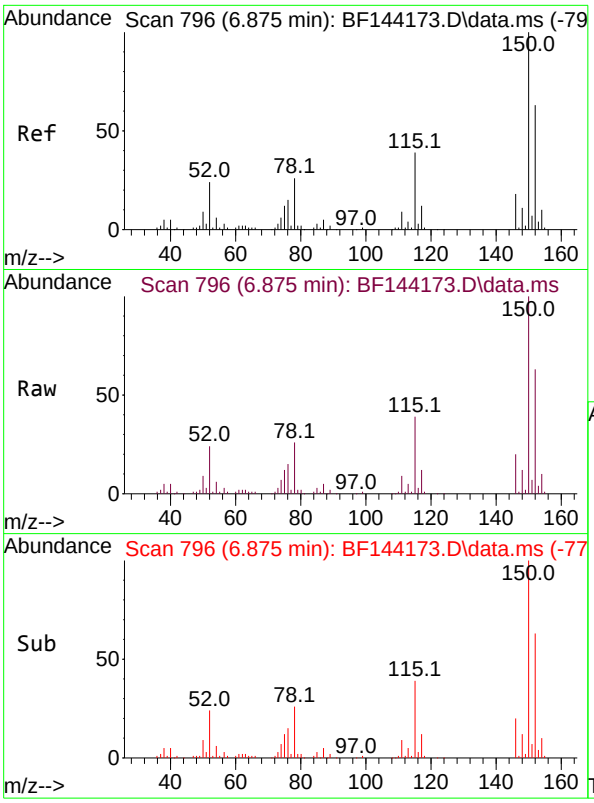
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144173.D
Acq On : 05 Nov 2025 14:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 17:24:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



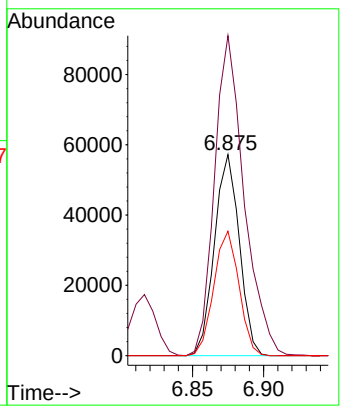


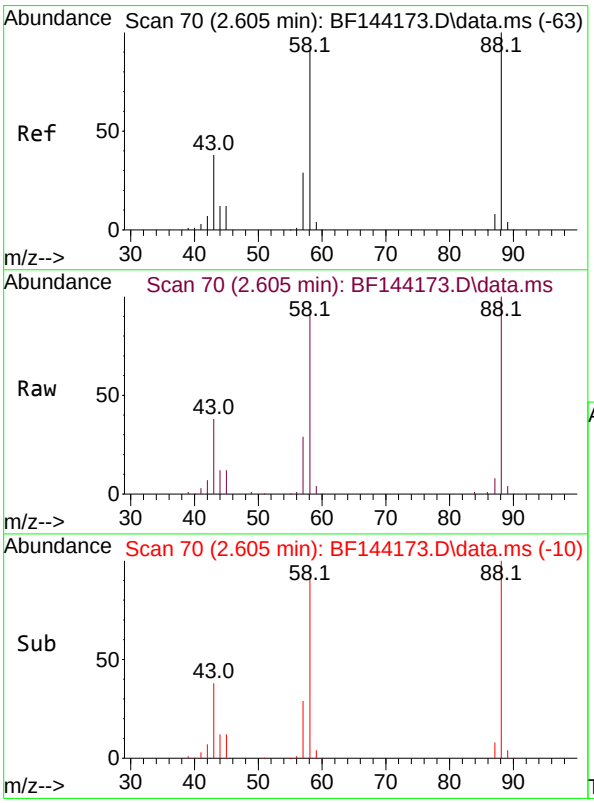
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 69901

Ion	Ratio	Lower	Upper
152	100		
150	159.2	127.4	191.0
115	61.9	49.5	74.3

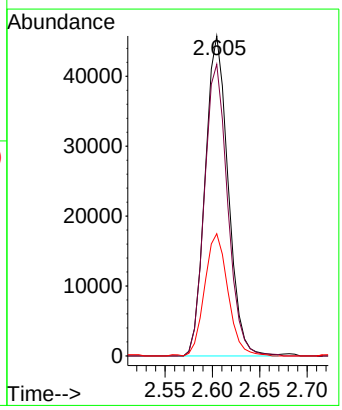


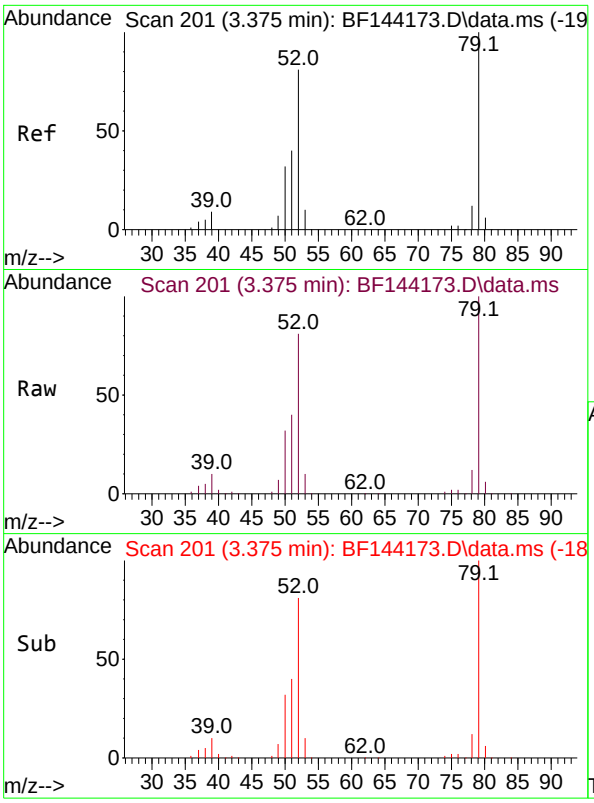


#2
1,4-Dioxane
Concen: 41.903 ng
RT: 2.605 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 88 Resp: 77384

Ion	Ratio	Lower	Upper
88	100		
58	91.4	73.1	109.7
43	38.8	31.0	46.6



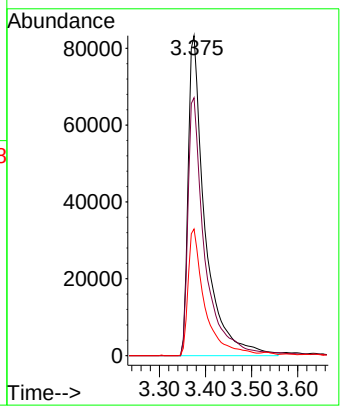


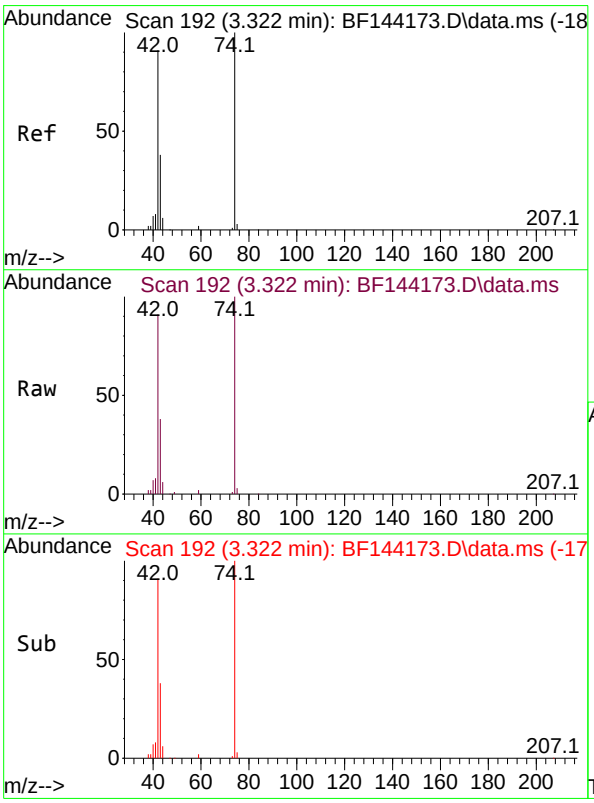
#3
Pyridine
Concen: 41.251 ng
RT: 3.375 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 212533

Ion	Ratio	Lower	Upper
79	100		
52	80.6	64.5	96.7
51	39.6	31.7	47.5

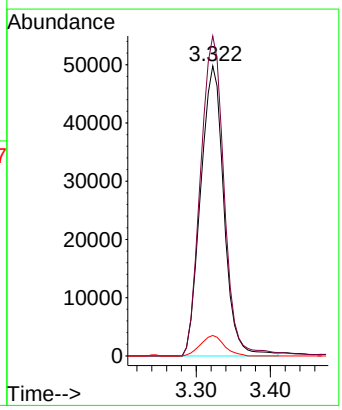


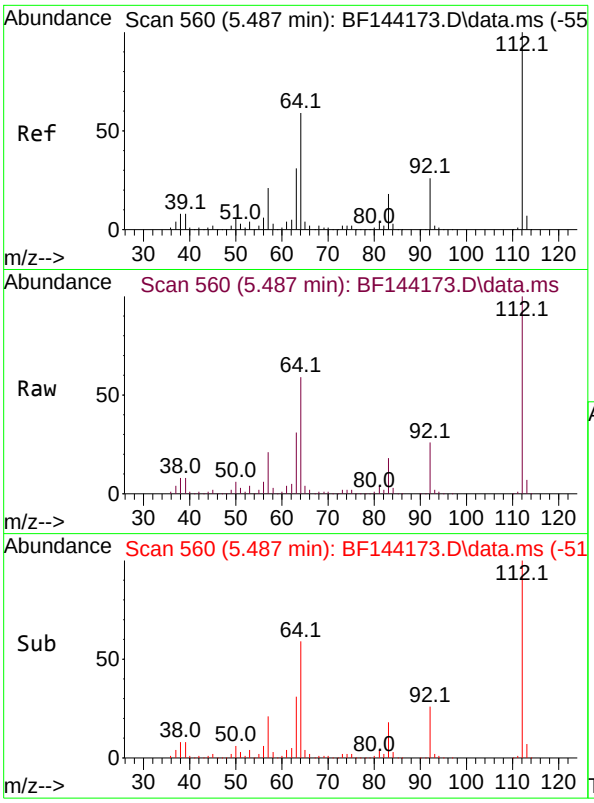


#4
n-Nitrosodimethylamine
Concen: 40.269 ng
RT: 3.322 min Scan# 192
Delta R.T. -0.023 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 42 Resp: 108374

Ion	Ratio	Lower	Upper
42	100		
74	110.3	88.2	132.4
44	7.1	5.7	8.5



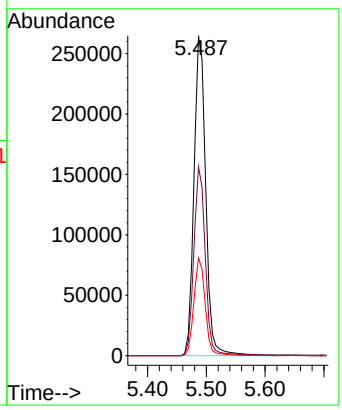


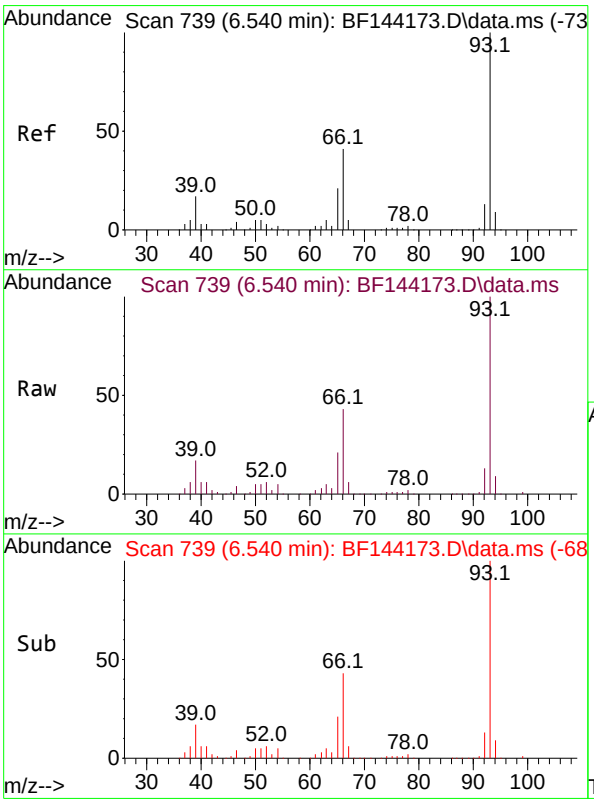
#5
2-Fluorophenol
Concen: 82.322 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 367722

Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.2	70.8
63	30.5	24.4	36.6

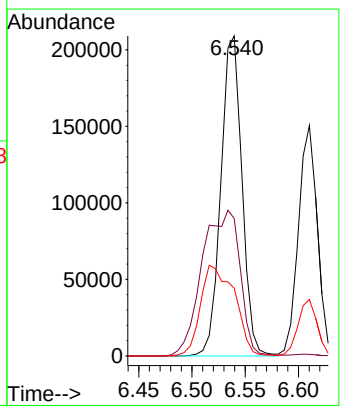


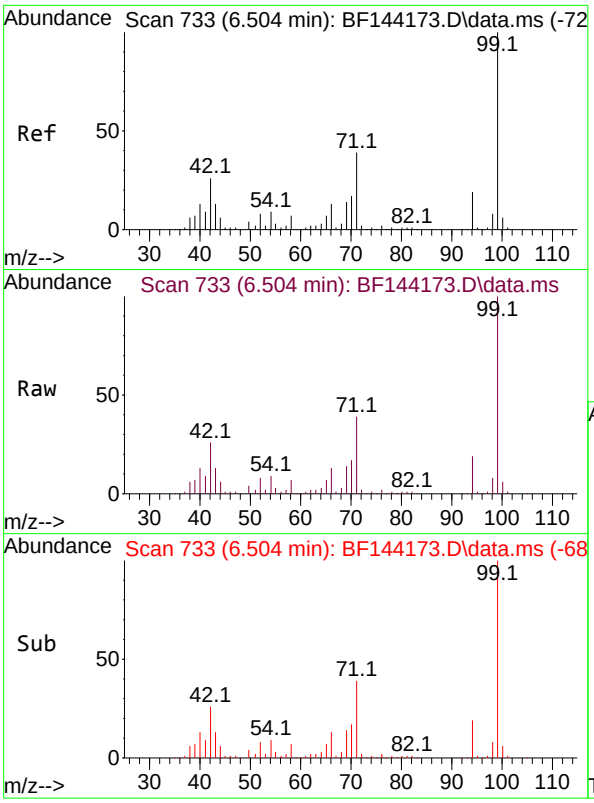


#6
Aniline
Concen: 40.064 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 93 Resp: 288906

Ion	Ratio	Lower	Upper
93	100		
66	42.9	34.3	51.5
65	21.1	16.9	25.3



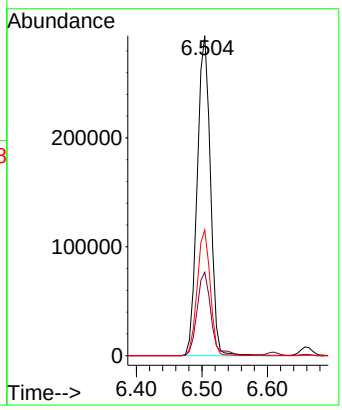


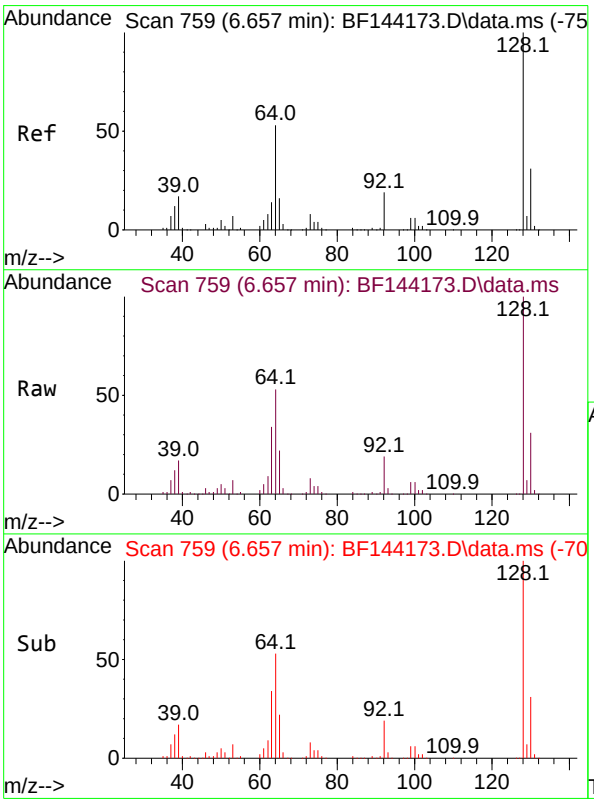
#7
Phenol-d6
Concen: 80.678 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 408339

Ion	Ratio	Lower	Upper
99	100		
42	26.1	20.9	31.3
71	39.3	31.4	47.2

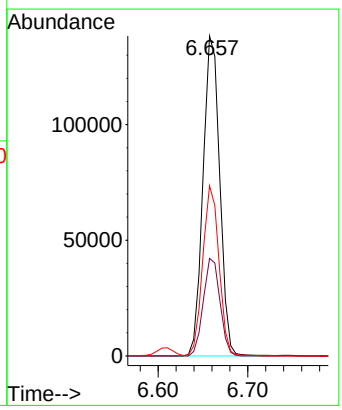


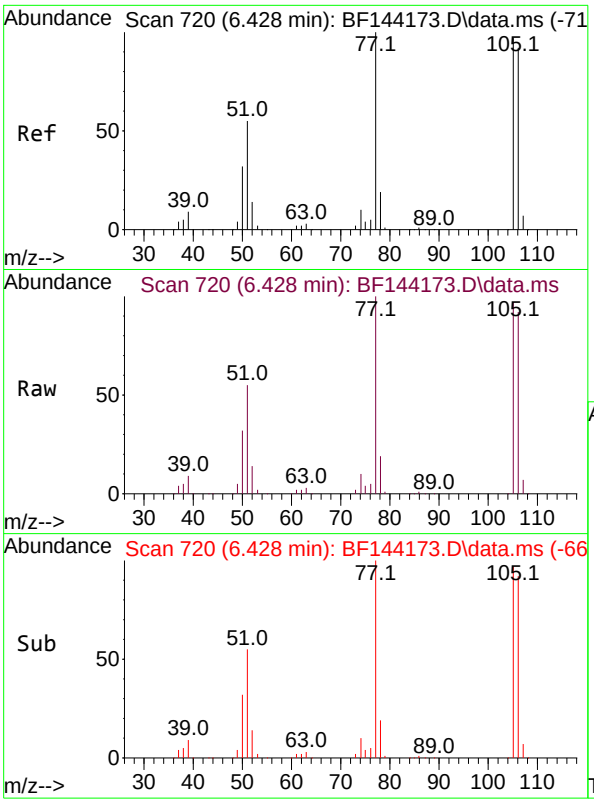


#8
2-Chlorophenol
Concen: 40.879 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:128 Resp: 179075

Ion	Ratio	Lower	Upper
128	100		
130	30.5	10.5	50.5
64	53.2	33.2	73.2



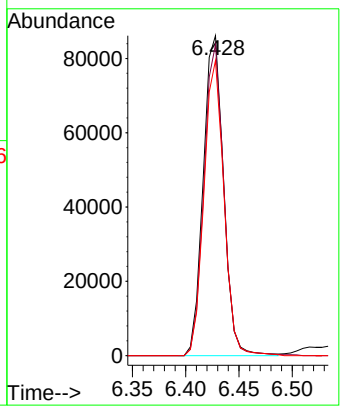


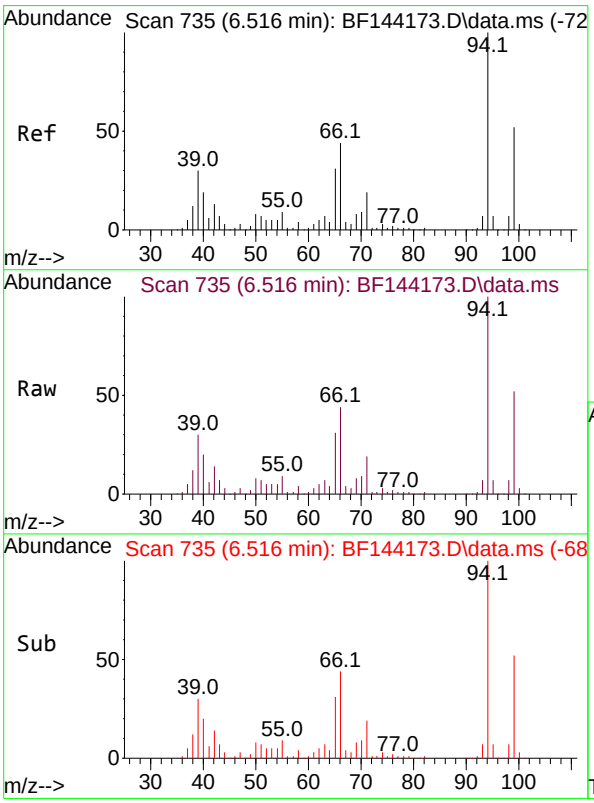
#9
Benzaldehyde
Concen: 39.909 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 114062

Ion	Ratio	Lower	Upper
77	100		
105	97.2	77.2	117.2
106	92.2	72.2	112.2

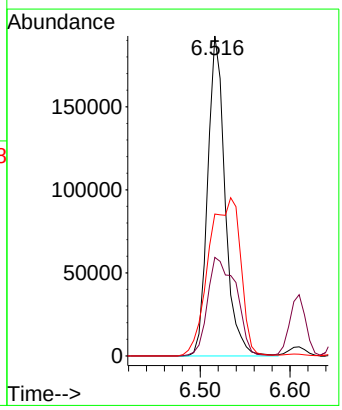


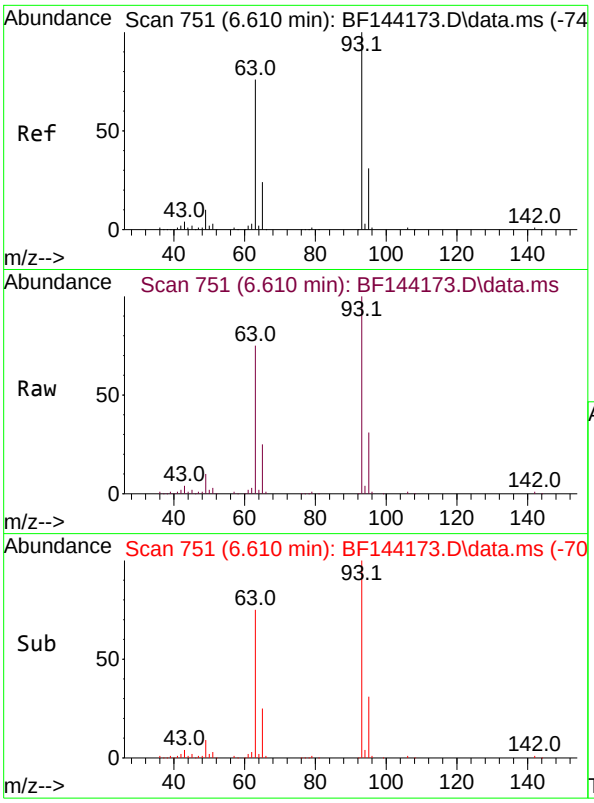


#10
Phenol
Concen: 41.997 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 94 Resp: 259703

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.8	50.8
66	44.3	24.3	64.3



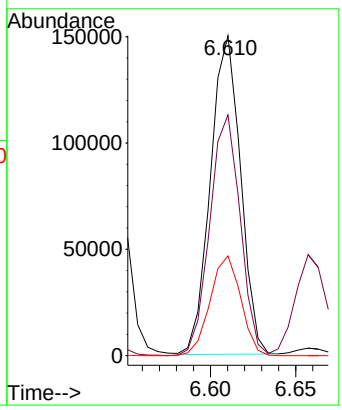


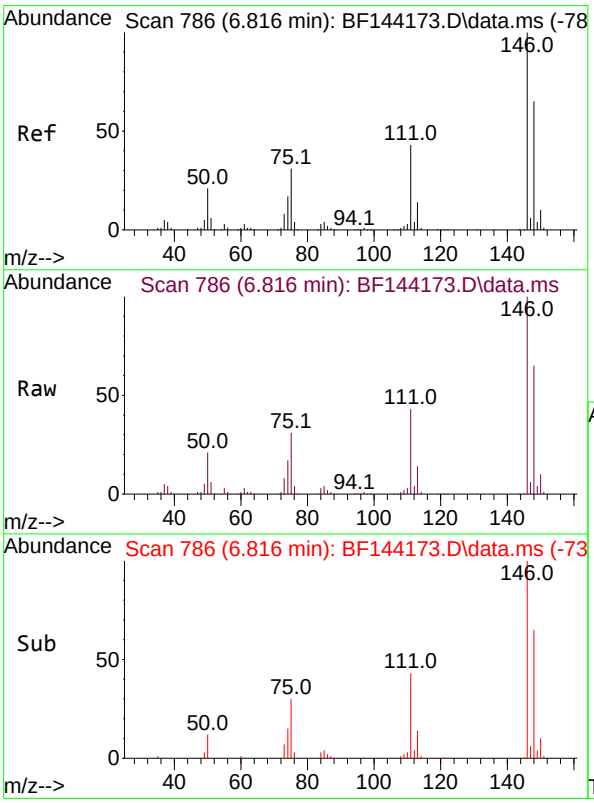
#11
bis(2-Chloroethyl)ether
Concen: 40.844 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 184041

Ion	Ratio	Lower	Upper
93	100		
63	75.2	55.2	95.2
95	31.2	11.2	51.2

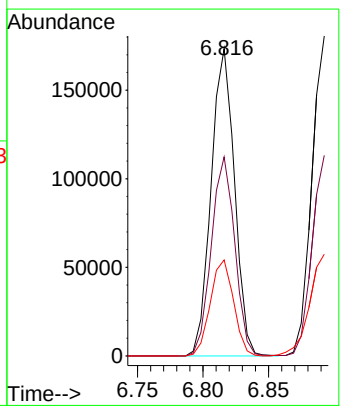


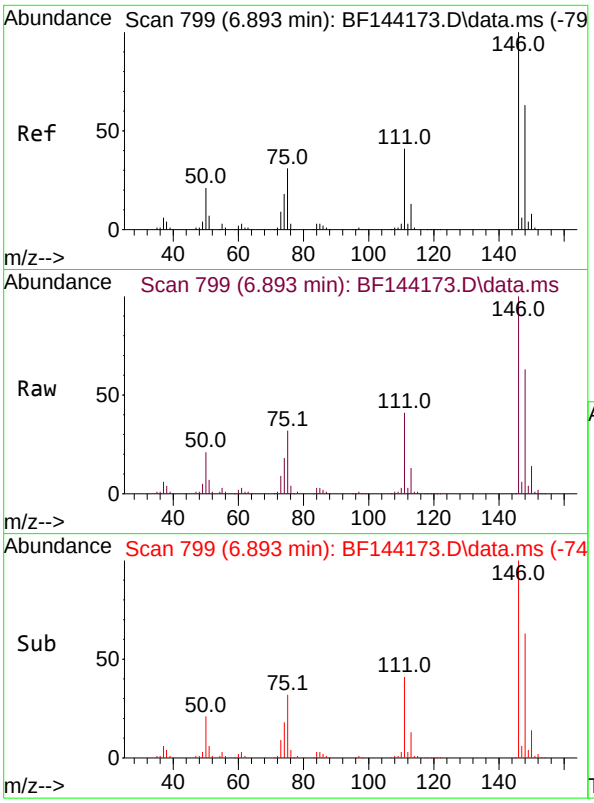


#12
1,3-Dichlorobenzene
Concen: 39.861 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:146 Resp: 215469

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	31.2	25.0	37.4



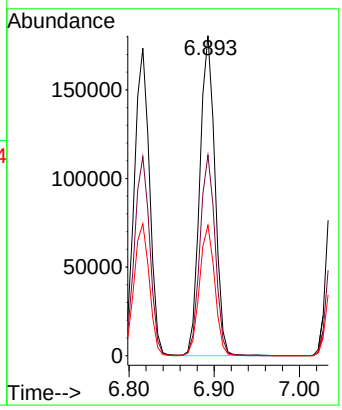


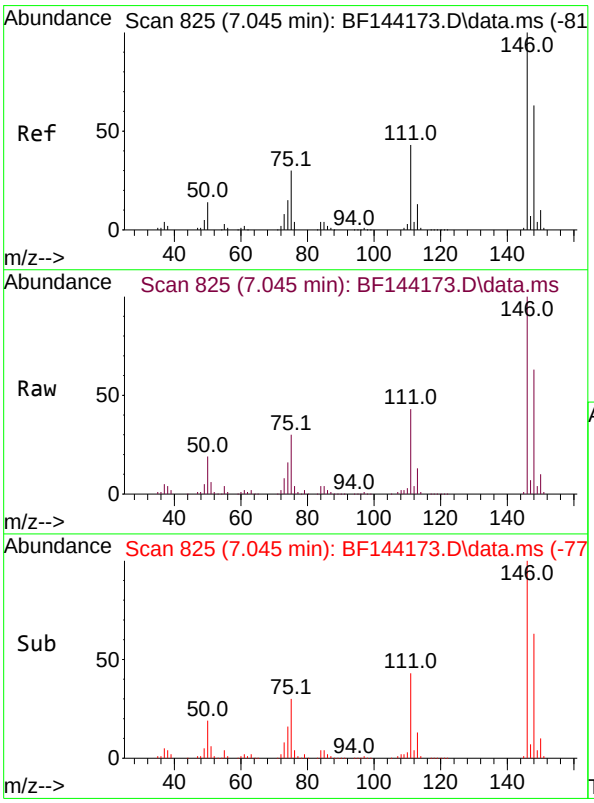
#13
1,4-Dichlorobenzene
Concen: 41.084 ng
RT: 6.893 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 222488

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.2	75.2
111	40.7	32.6	48.8

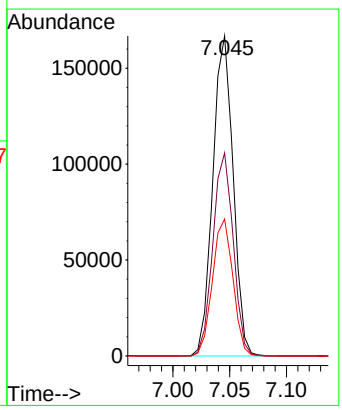


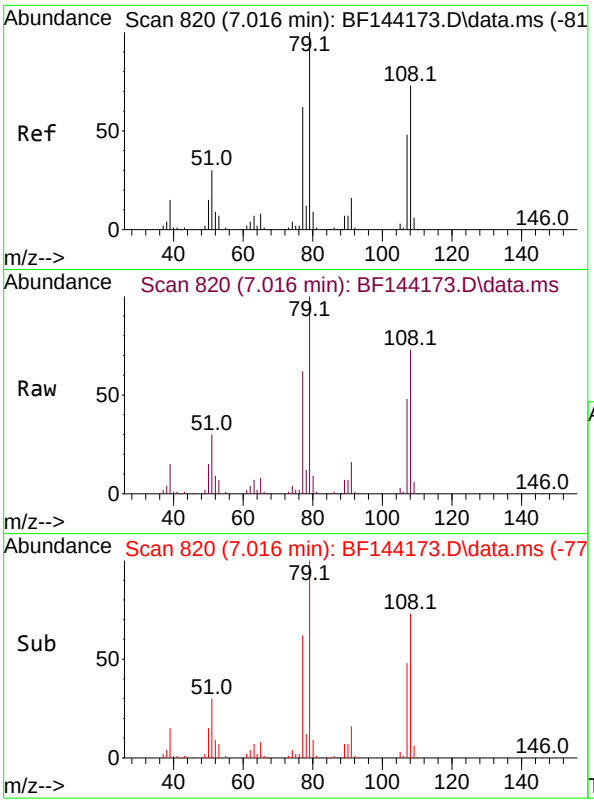


#14
1,2-Dichlorobenzene
Concen: 40.001 ng
RT: 7.045 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:146 Resp: 207631

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.7	76.1
111	42.8	34.2	51.4



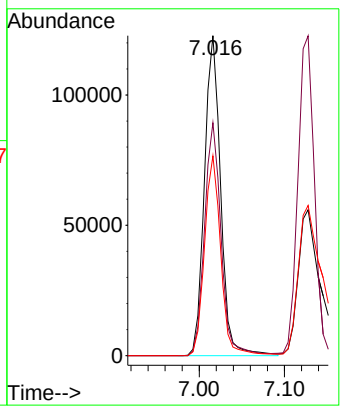


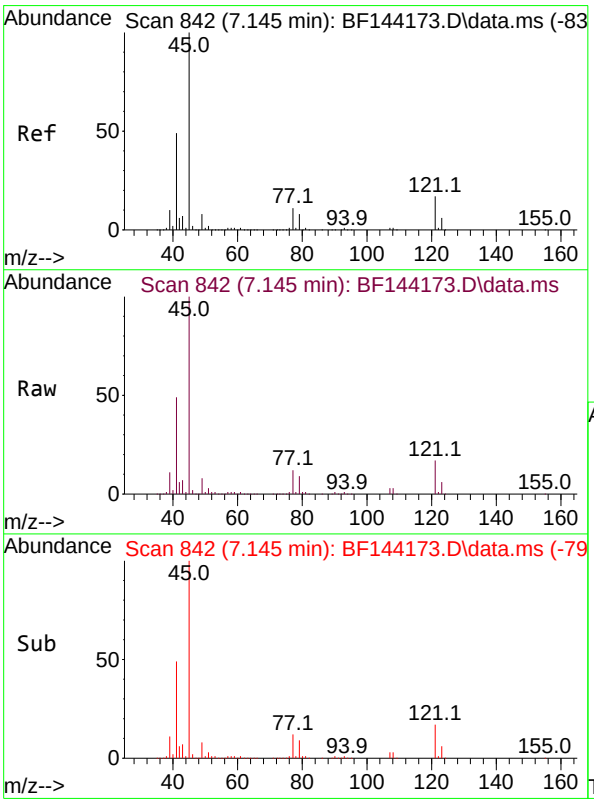
#15
Benzyl Alcohol
Concen: 40.501 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 162316

Ion	Ratio	Lower	Upper
79	100		
108	72.8	58.2	87.4
77	62.4	49.9	74.9

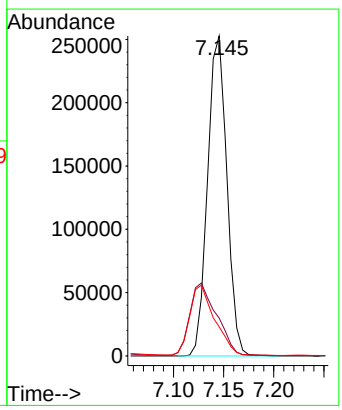


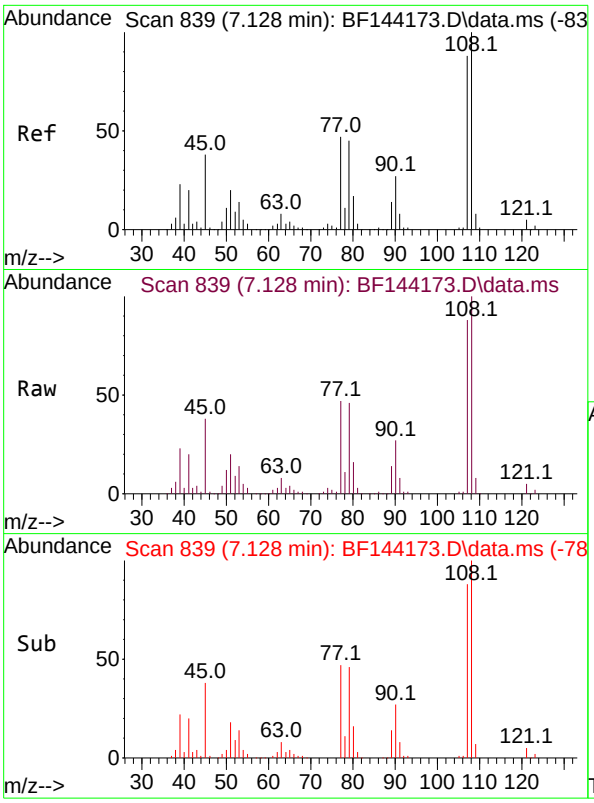


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.743 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 45 Resp: 338078

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.8
79	9.1	0.0	29.1



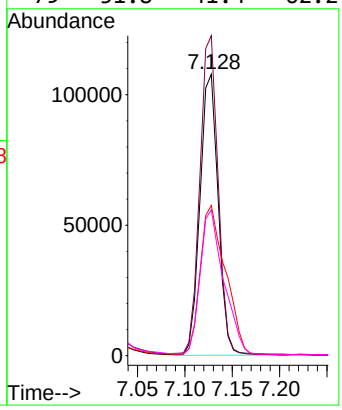


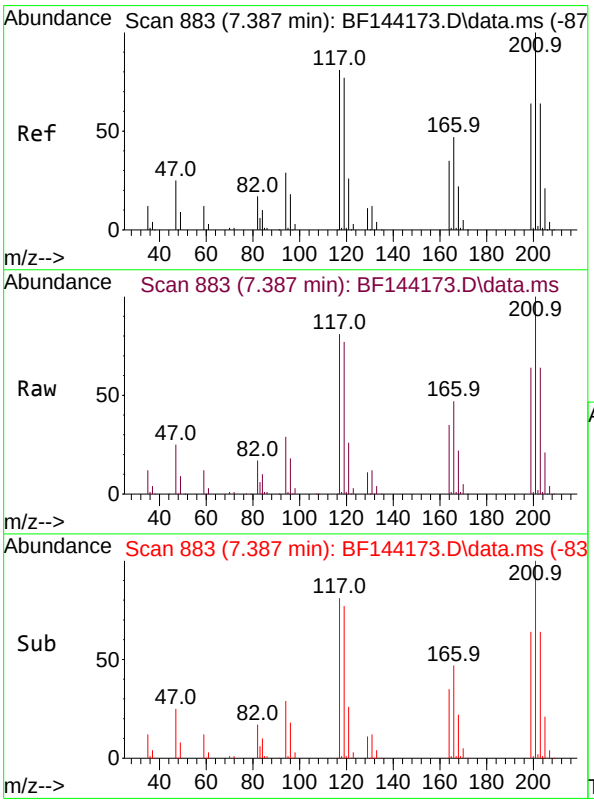
#17
2-Methylphenol
Concen: 41.431 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 144386

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	53.4	42.7	64.1
79	51.8	41.4	62.2

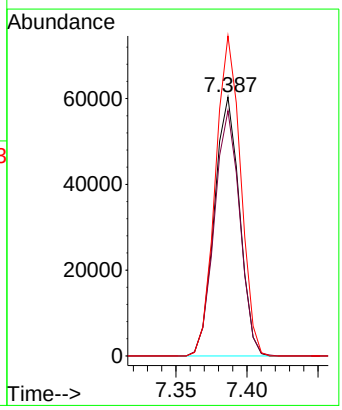


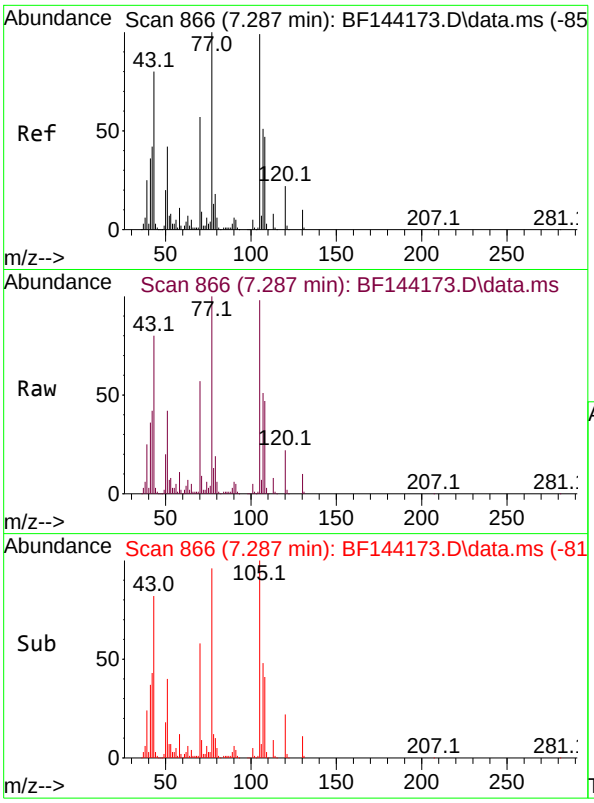


#18
Hexachloroethane
Concen: 41.339 ng
RT: 7.387 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:117 Resp: 74377

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	123.6	98.9	148.3



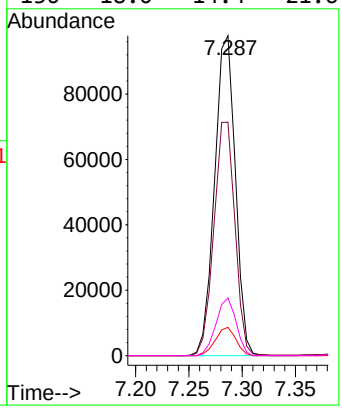


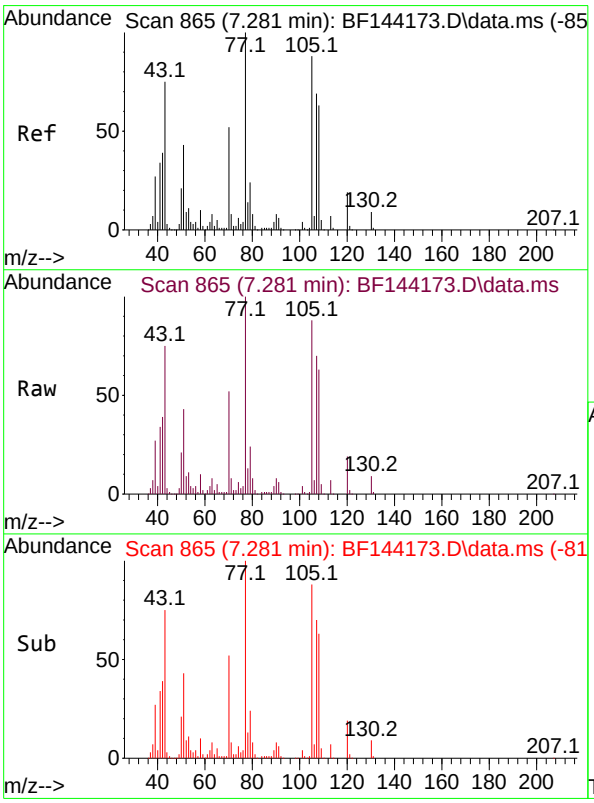
#19
n-Nitroso-di-n-propylamine
Concen: 39.848 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 132769

Ion	Ratio	Lower	Upper
70	100		
42	72.9	58.3	87.5
101	8.8	7.0	10.6
130	18.0	14.4	21.6

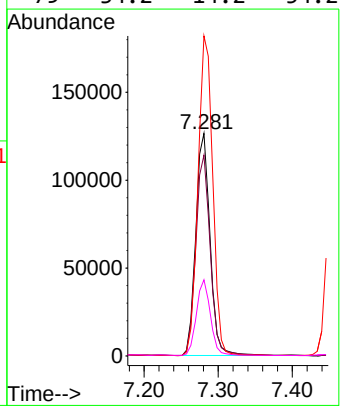


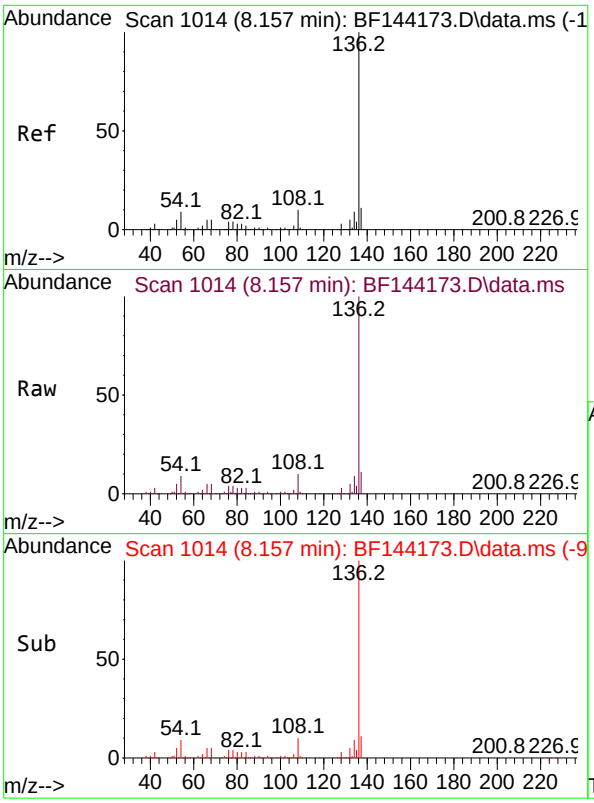


#20
3+4-Methylphenols
Concen: 41.361 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:107 Resp: 169917

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.2	110.2
77	143.9	123.9	163.9
79	34.2	14.2	54.2



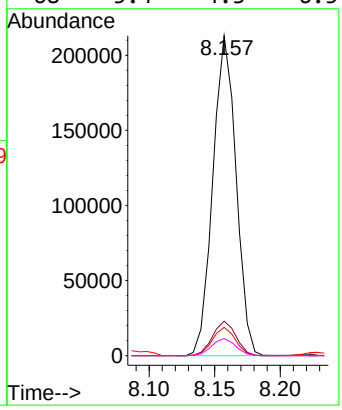


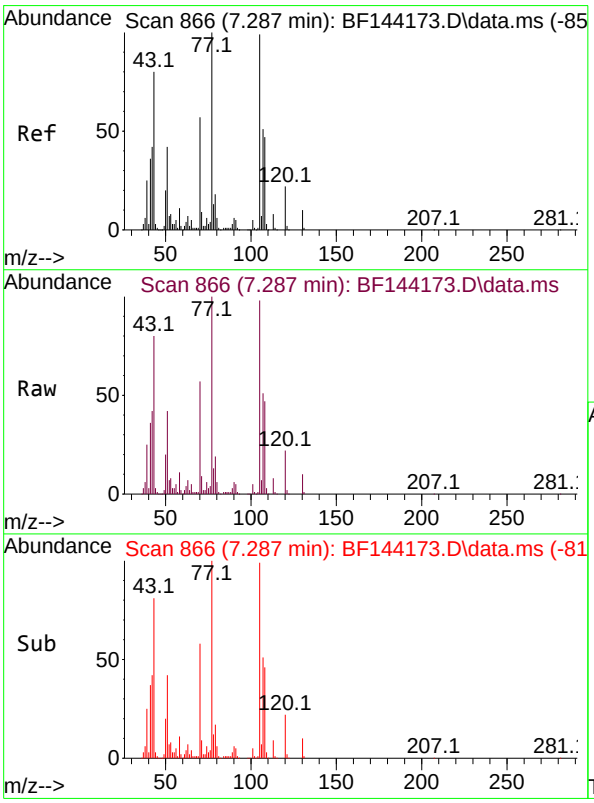
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 262306

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.8	7.0	10.6
68	5.4	4.3	6.5

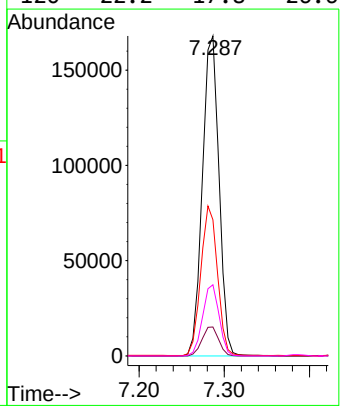


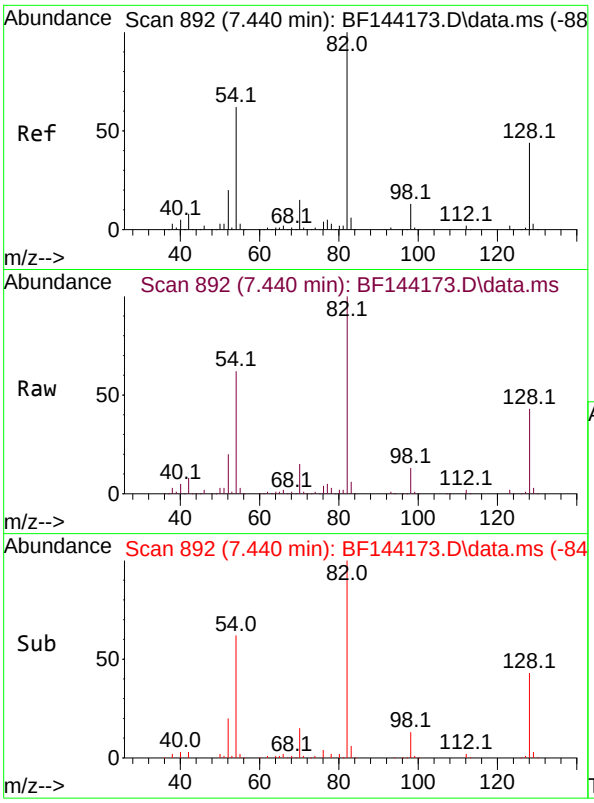


#22
Acetophenone
Concen: 40.452 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:105 Resp: 227627

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	42.5	34.0	51.0
120	22.2	17.8	26.6



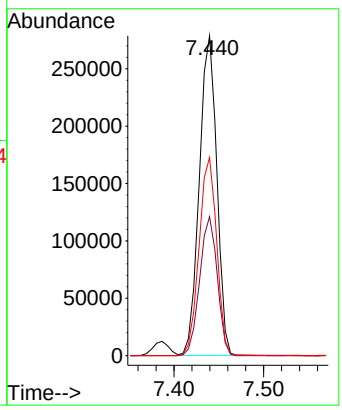


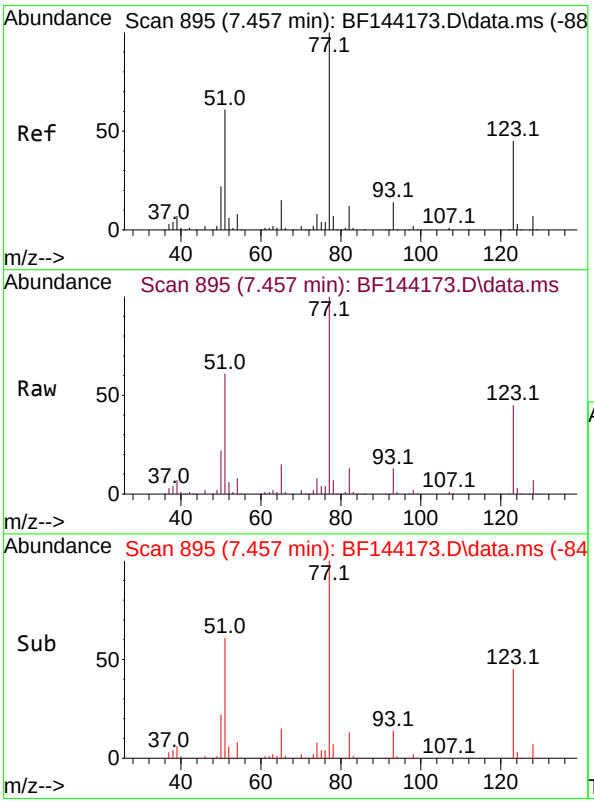
#23
Nitrobenzene-d5
Concen: 83.160 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 377687

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.7	52.1
54	61.9	49.5	74.3

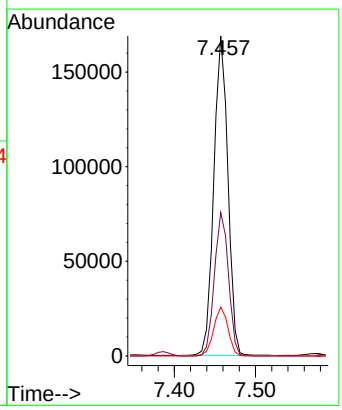


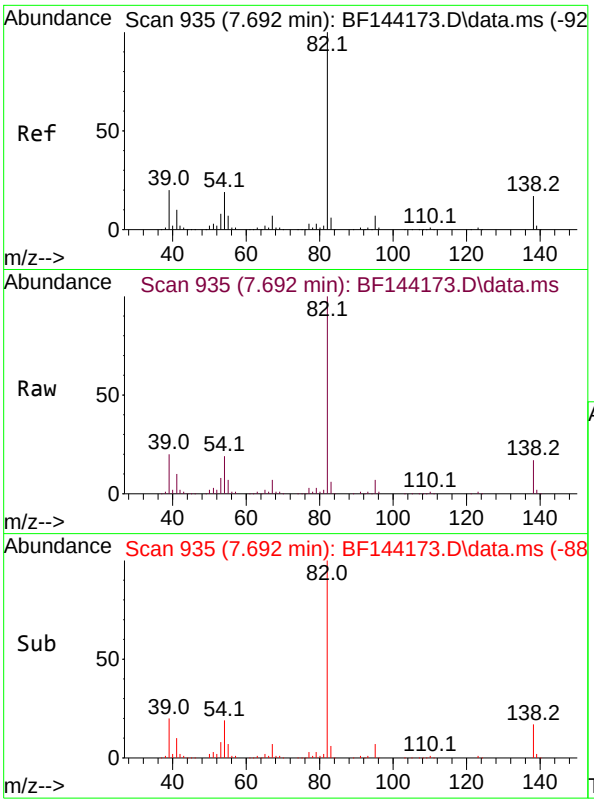


#24
Nitrobenzene
Concen: 41.272 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 77 Resp: 203520

Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.8	53.8
65	15.2	12.2	18.2



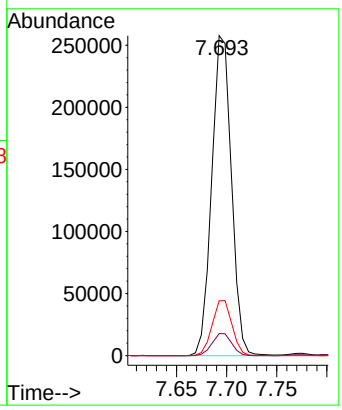


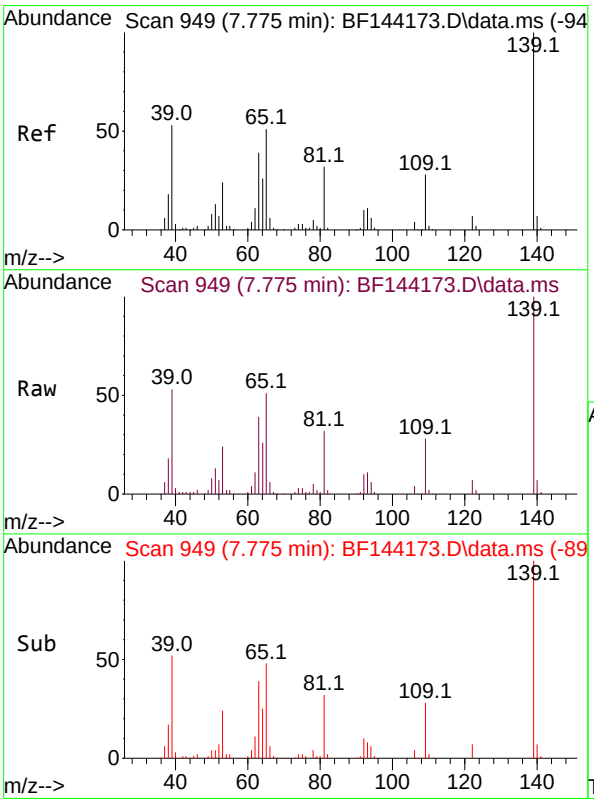
#25
Isophorone
Concen: 41.082 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 352919

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.1	13.7	20.5

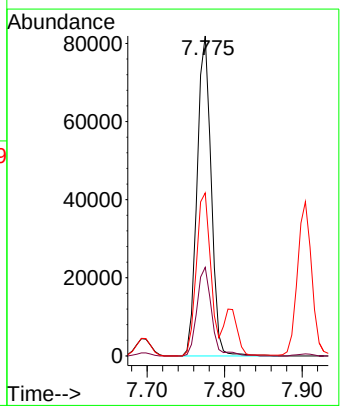


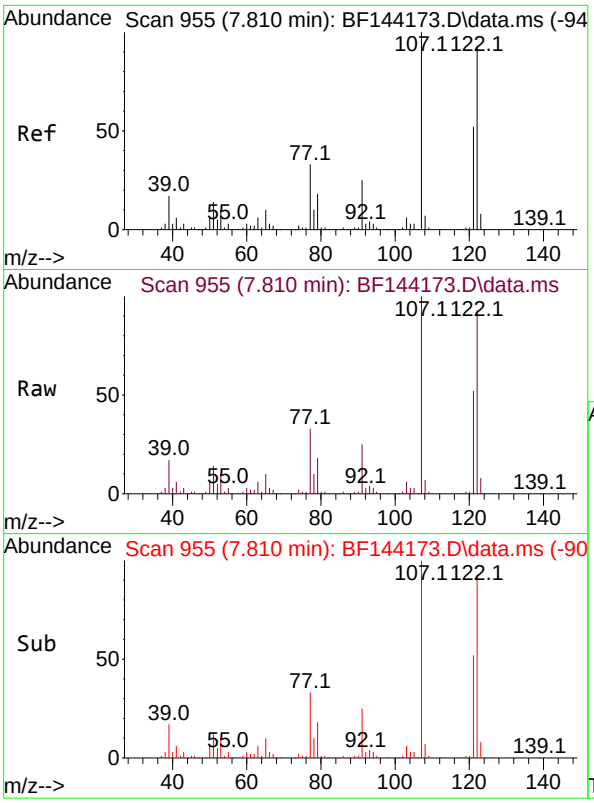


#26
2-Nitrophenol
Concen: 42.269 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:139 Resp: 103181

Ion	Ratio	Lower	Upper
139	100		
109	27.7	22.2	33.2
65	50.9	40.7	61.1



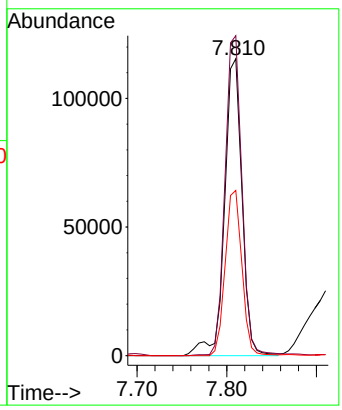


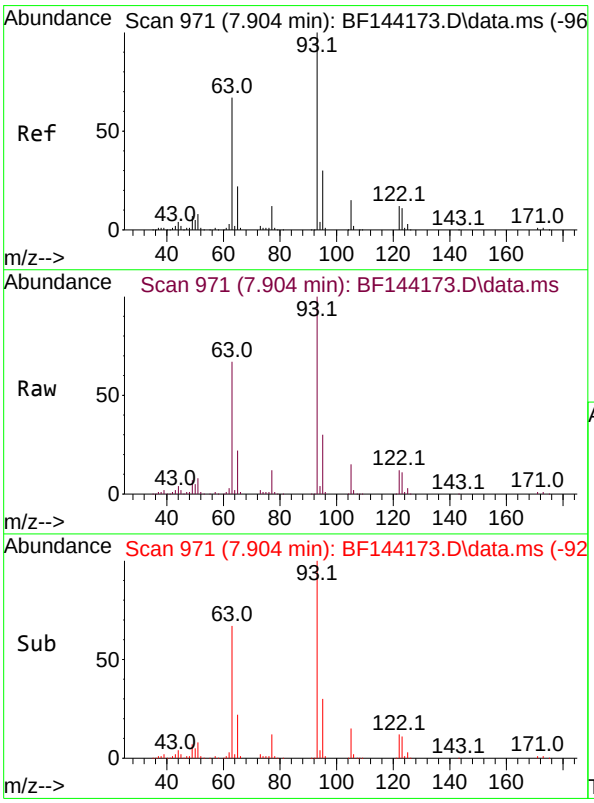
#27
2,4-Dimethylphenol
Concen: 42.784 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 156535

Ion	Ratio	Lower	Upper
122	100		
107	107.8	86.2	129.4
121	55.7	44.6	66.8

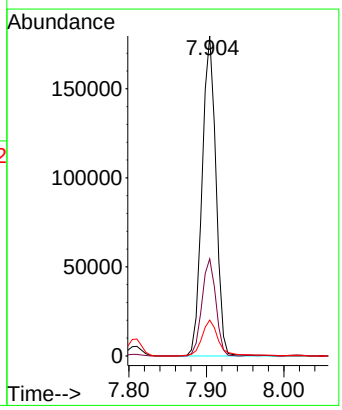


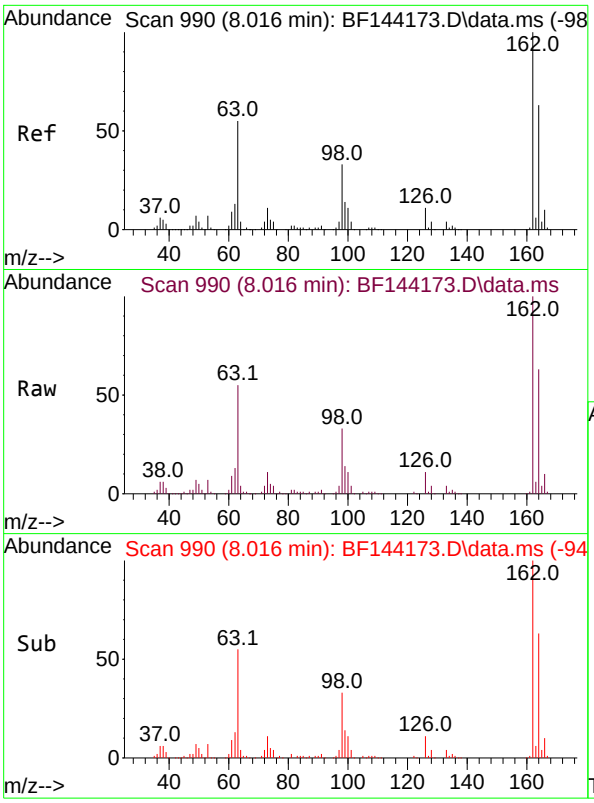


#28
bis(2-Chloroethoxy)methane
Concen: 41.364 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 93 Resp: 221900

Ion	Ratio	Lower	Upper
93	100		
95	30.3	24.2	36.4
123	11.2	9.0	13.4



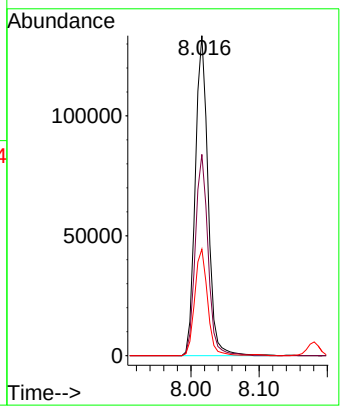


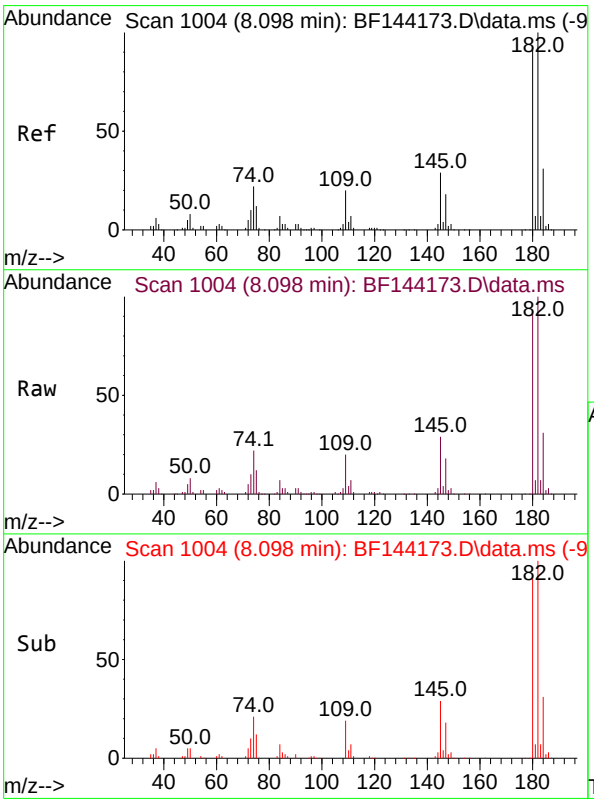
#29
2,4-Dichlorophenol
Concen: 41.210 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 173779

Ion	Ratio	Lower	Upper
162	100		
164	62.9	42.9	82.9
98	33.3	13.3	53.3

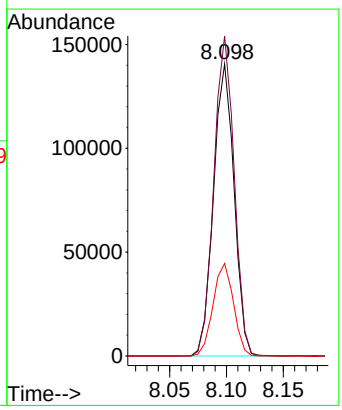


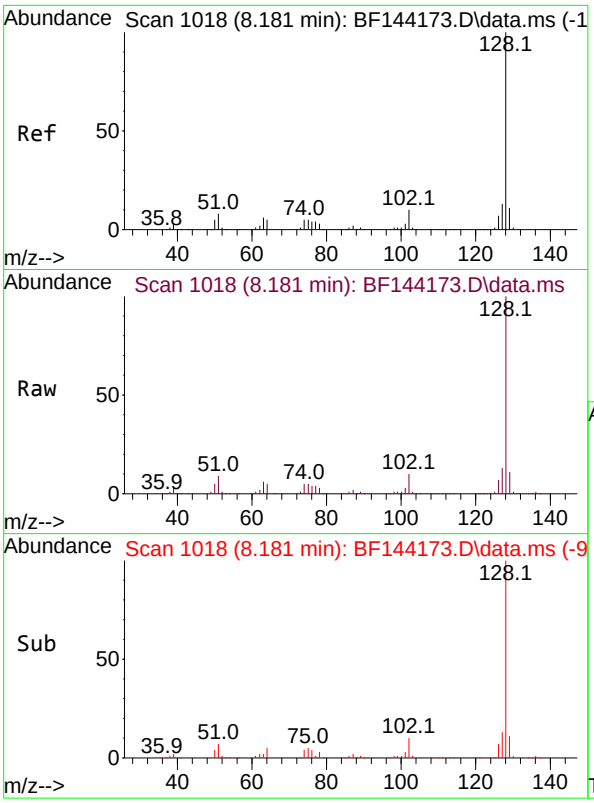


#30
1,2,4-Trichlorobenzene
Concen: 40.825 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:180 Resp: 176777

Ion	Ratio	Lower	Upper
180	100		
182	109.6	87.7	131.5
145	31.7	25.4	38.0



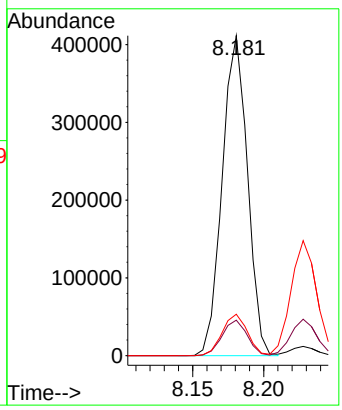


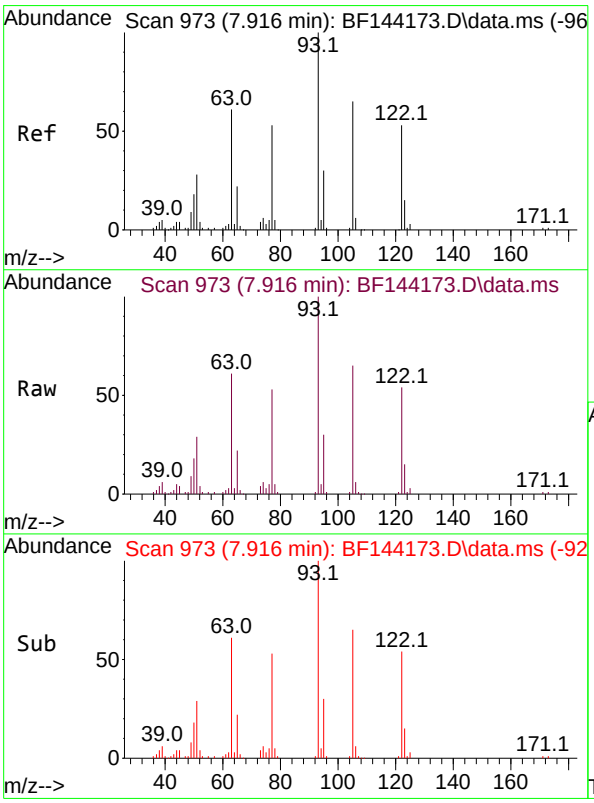
#31
Naphthalene
Concen: 40.755 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 508521

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.9	10.3	15.5

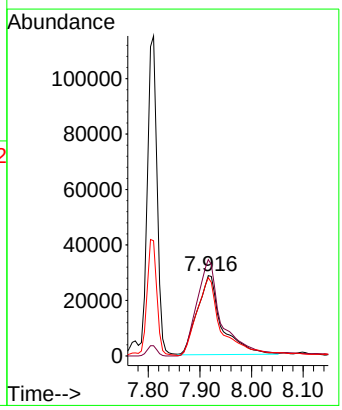


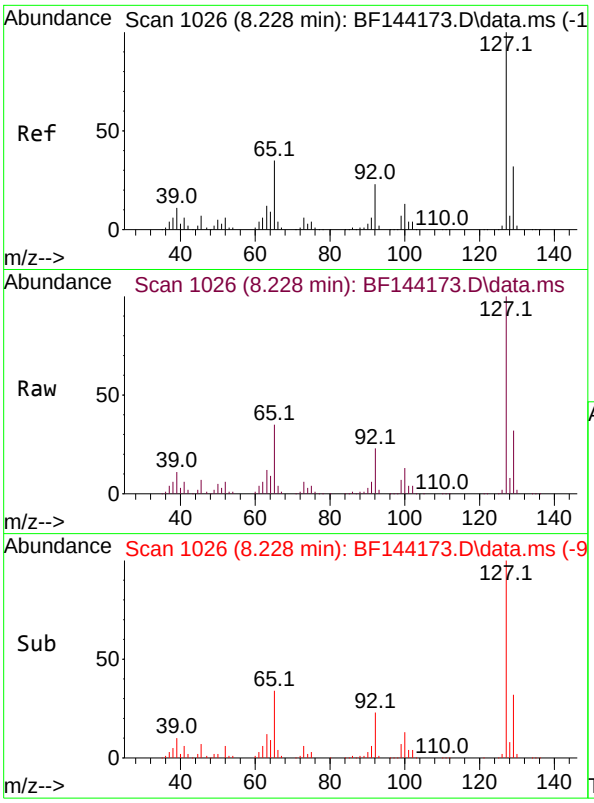


#32
Benzoic acid
Concen: 35.128 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.035 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:122 Resp: 94209

Ion	Ratio	Lower	Upper
122	100		
105	119.9	99.9	139.9
77	97.5	77.5	117.5



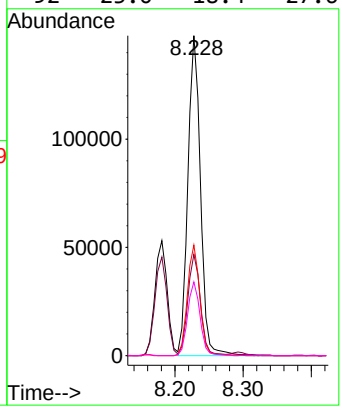


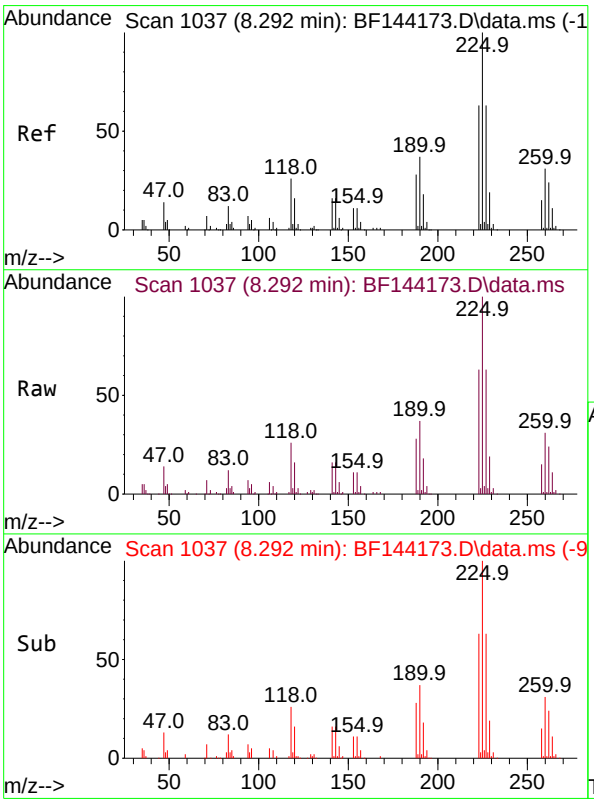
#33
4-Chloroaniline
Concen: 41.763 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 190054

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.3	37.9
65	34.5	27.6	41.4
92	23.0	18.4	27.6

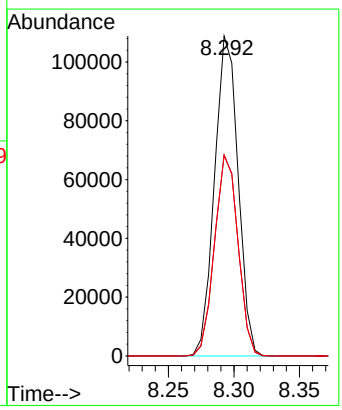


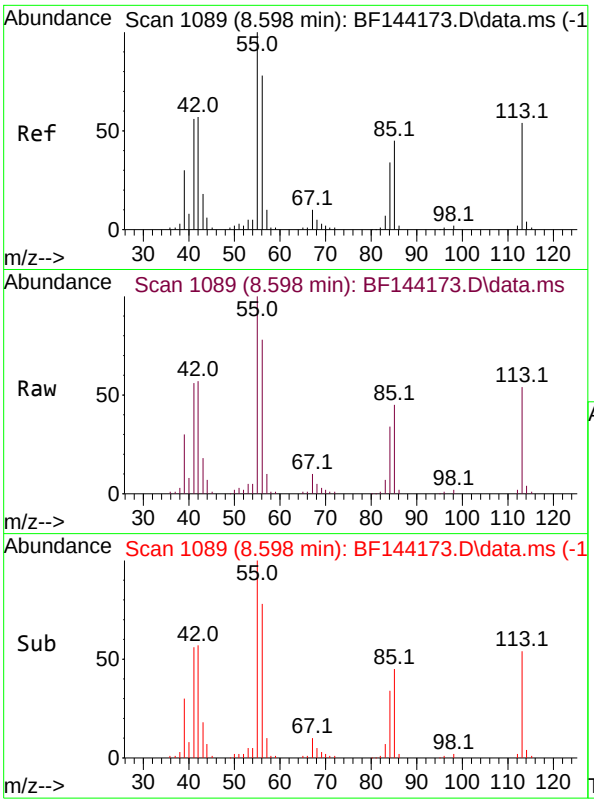


#34
Hexachlorobutadiene
Concen: 41.671 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:225 Resp: 135990

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.4
227	62.6	50.1	75.1



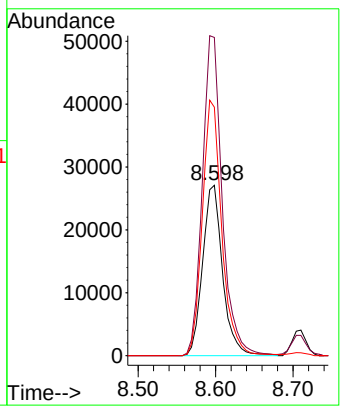


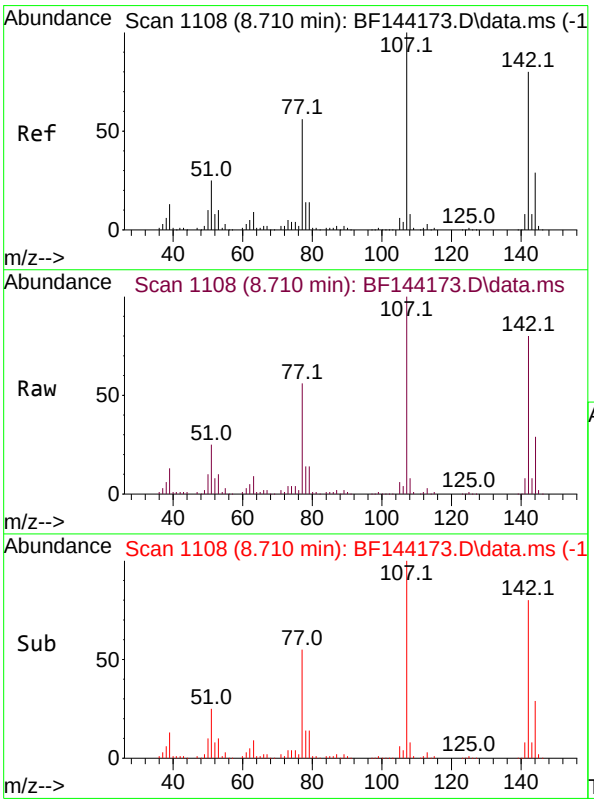
#35
Caprolactam
Concen: 41.945 ng
RT: 8.598 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 48459

Ion	Ratio	Lower	Upper
113	100		
55	186.8	166.8	206.8
56	145.9	125.9	165.9

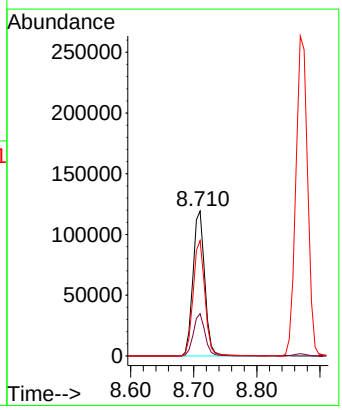


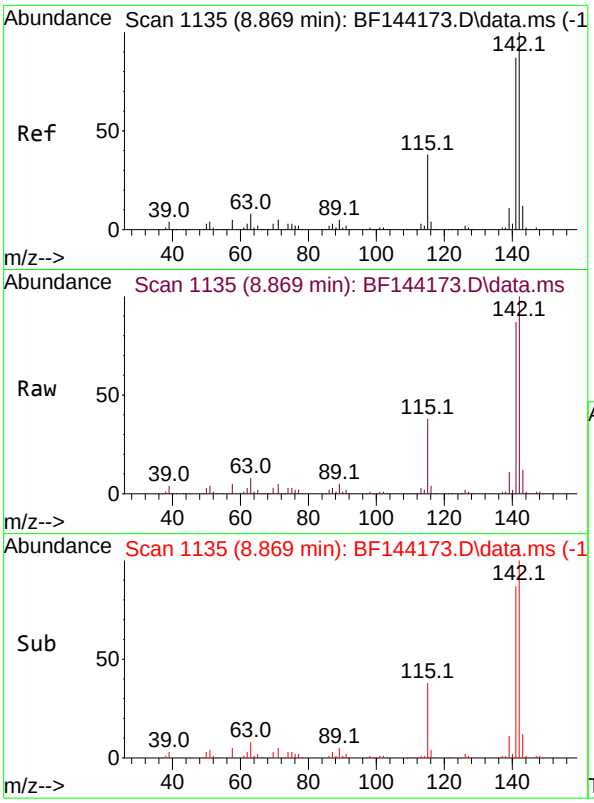


#36
4-Chloro-3-methylphenol
Concen: 41.237 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:107 Resp: 155844

Ion	Ratio	Lower	Upper
107	100		
144	29.1	23.3	34.9
142	79.7	63.8	95.6



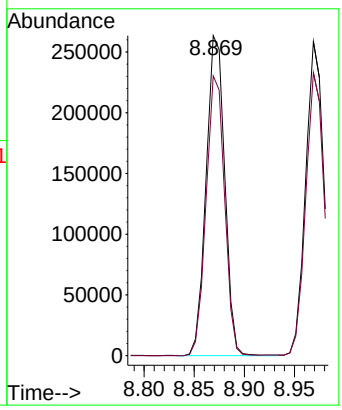


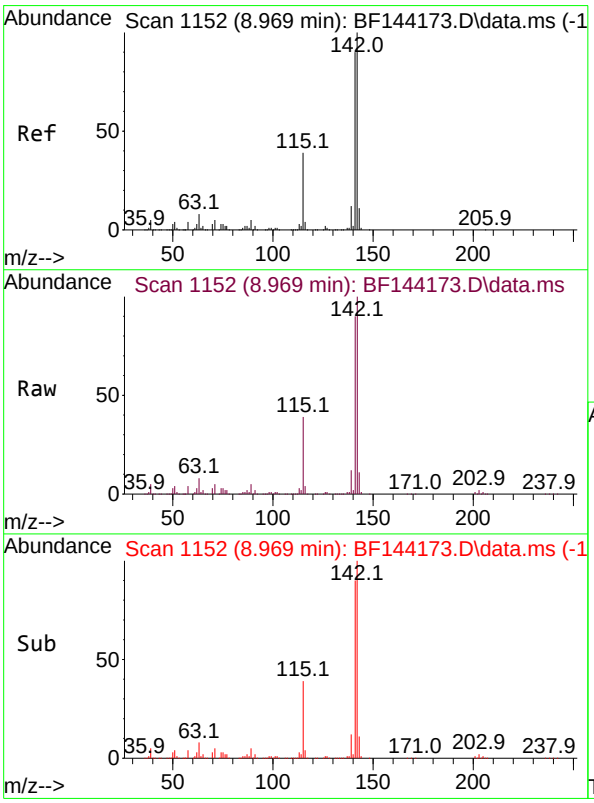
#37
2-Methylnaphthalene
Concen: 40.712 ng
RT: 8.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 339639

Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.9	104.9

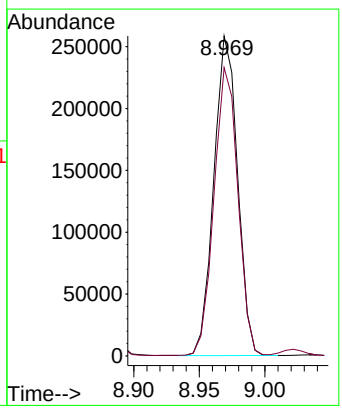


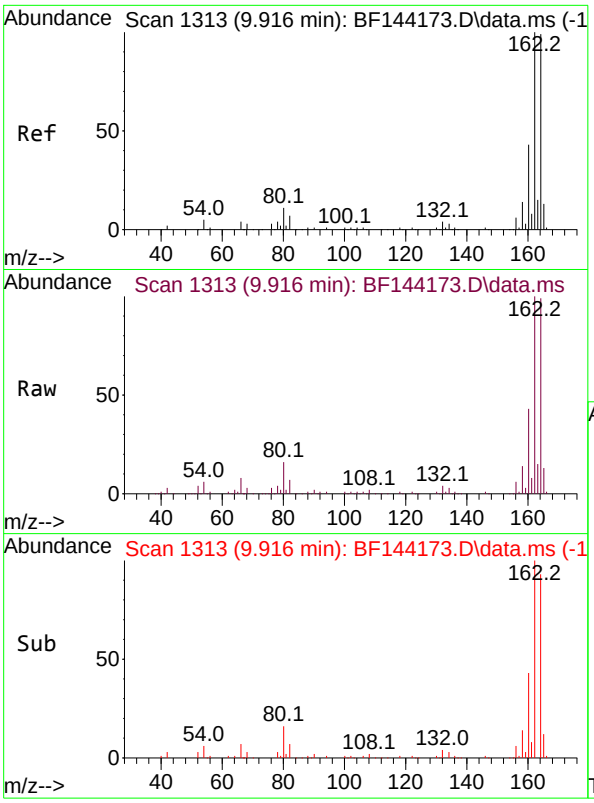


#38
1-Methylnaphthalene
Concen: 40.435 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:142 Resp: 325483

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.1	108.1



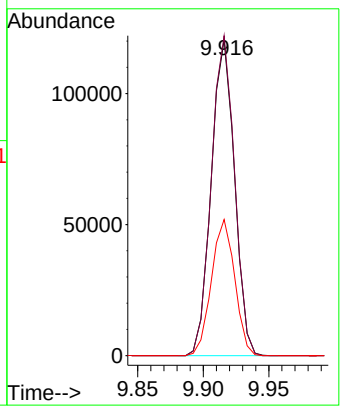


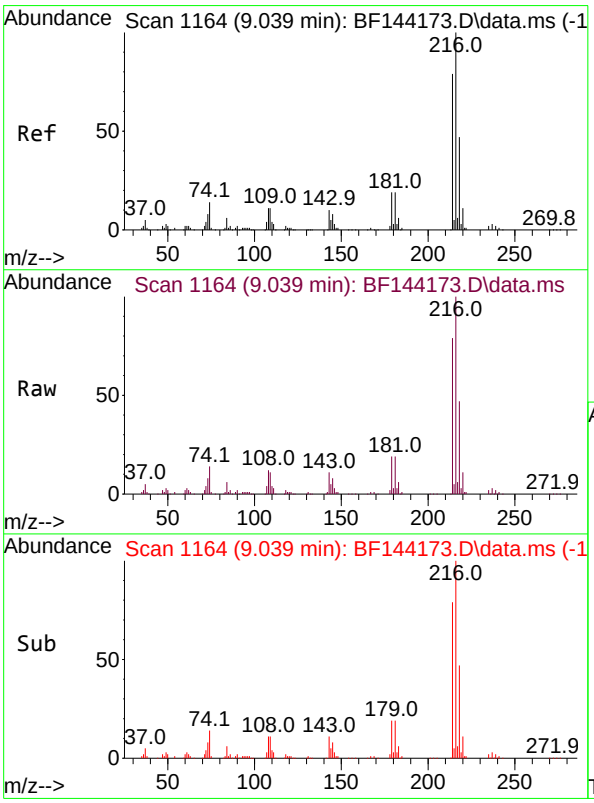
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 148823

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.1	121.7
160	43.1	34.5	51.7

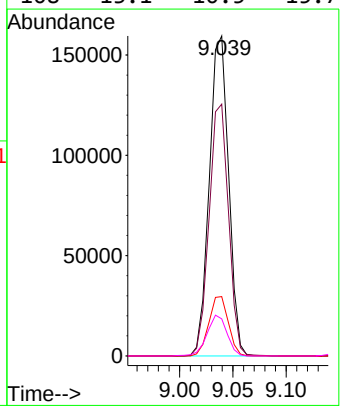


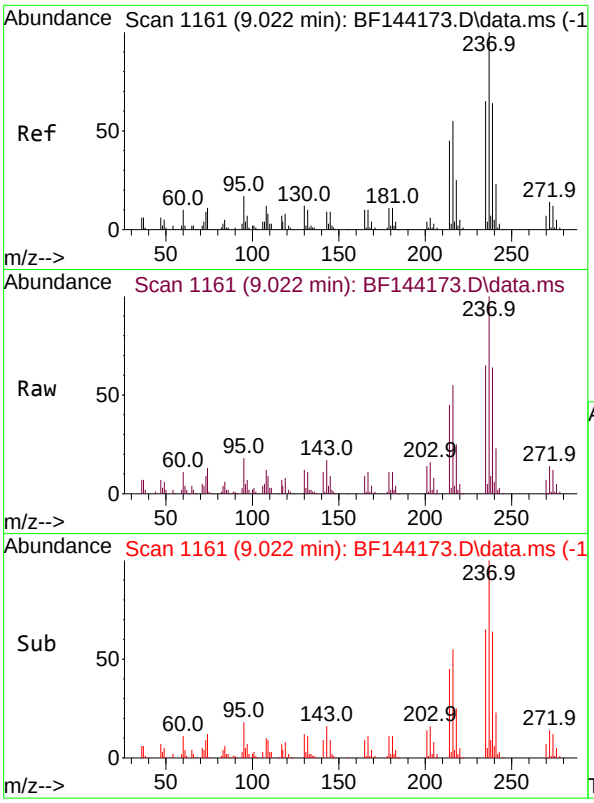


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.210 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:216 Resp: 200998

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.4	95.2
179	18.7	15.0	22.4
108	13.1	10.5	15.7



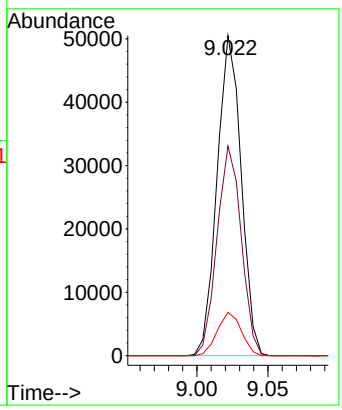


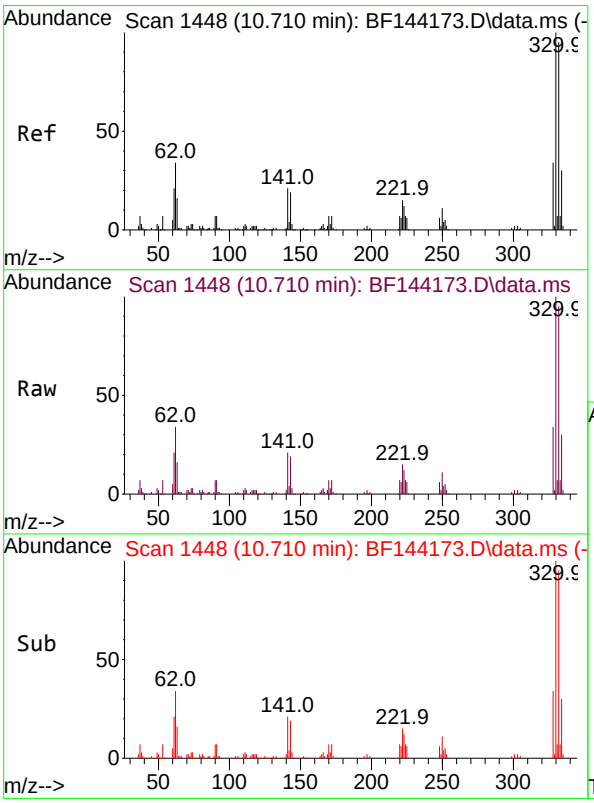
#41
Hexachlorocyclopentadiene
Concen: 39.991 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 59520

Ion	Ratio	Lower	Upper
237	100		
235	65.5	45.5	85.5
272	13.5	0.0	33.5

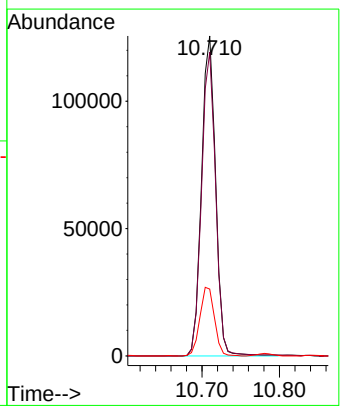


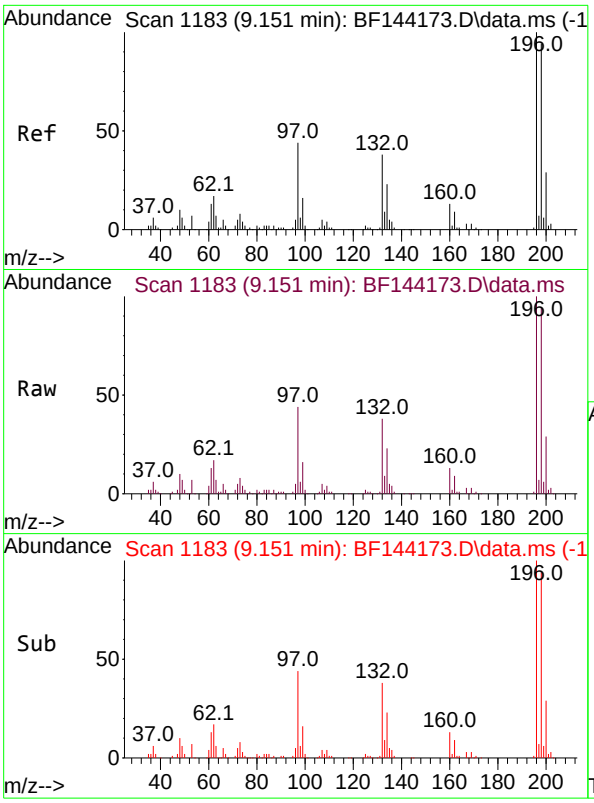


#42
2,4,6-Tribromophenol
Concen: 84.493 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:330 Resp: 157795

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	22.3	17.8	26.8



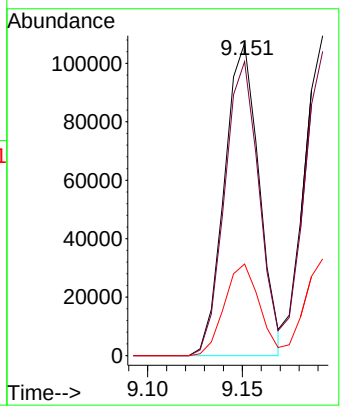


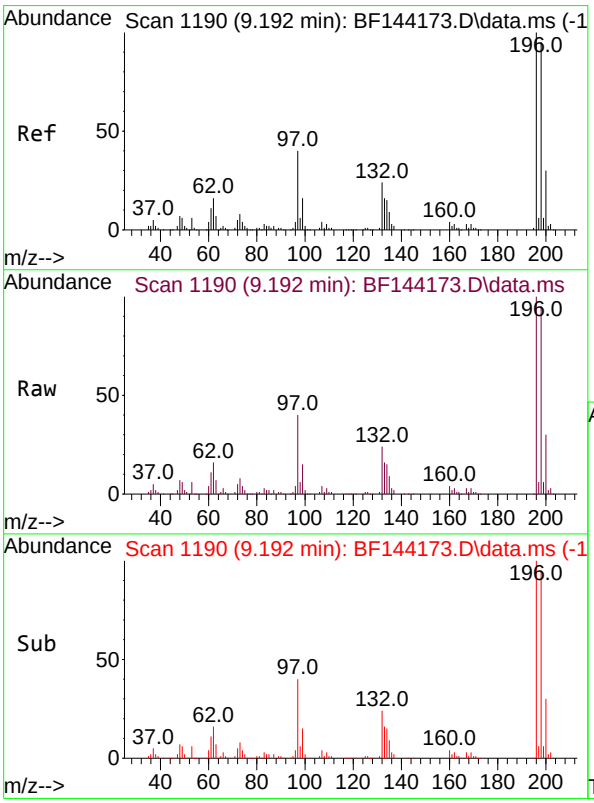
#43
2,4,6-Trichlorophenol
Concen: 40.875 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 135691

Ion	Ratio	Lower	Upper
196	100		
198	94.1	75.3	112.9
200	29.3	23.4	35.2

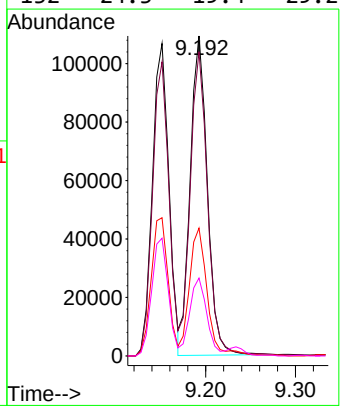


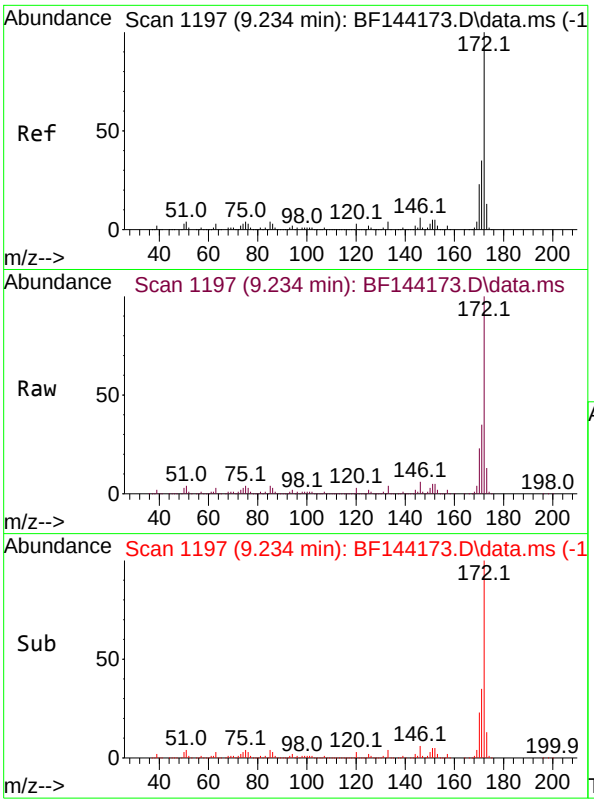


#44
2,4,5-Trichlorophenol
Concen: 40.641 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:196 Resp: 145405

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.1	114.1
97	39.9	31.9	47.9
132	24.3	19.4	29.2



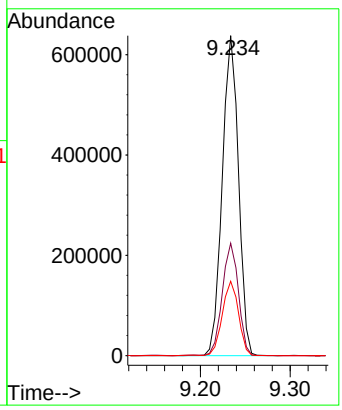


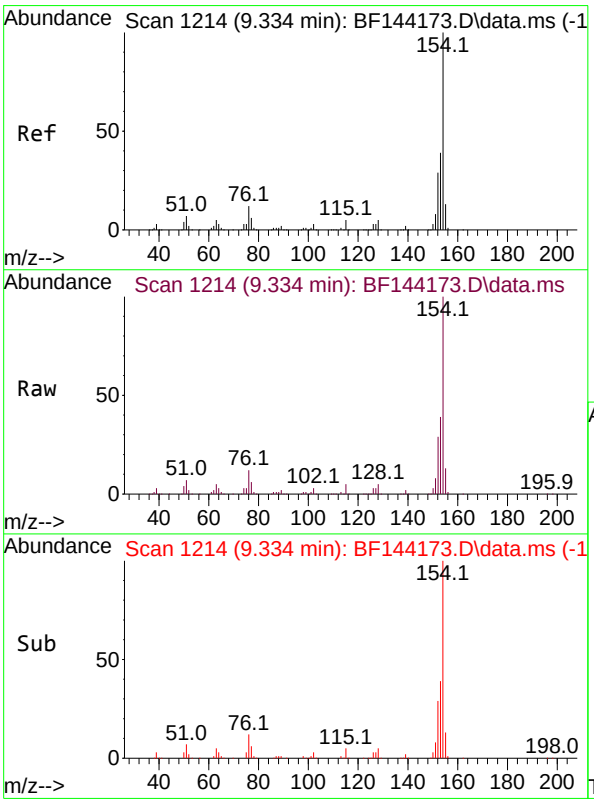
#45
2-Fluorobiphenyl
Concen: 79.737 ng
RT: 9.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 803464

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.3	18.6	28.0

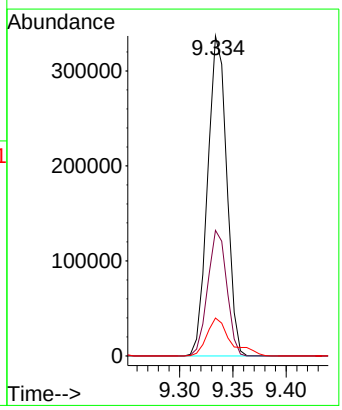


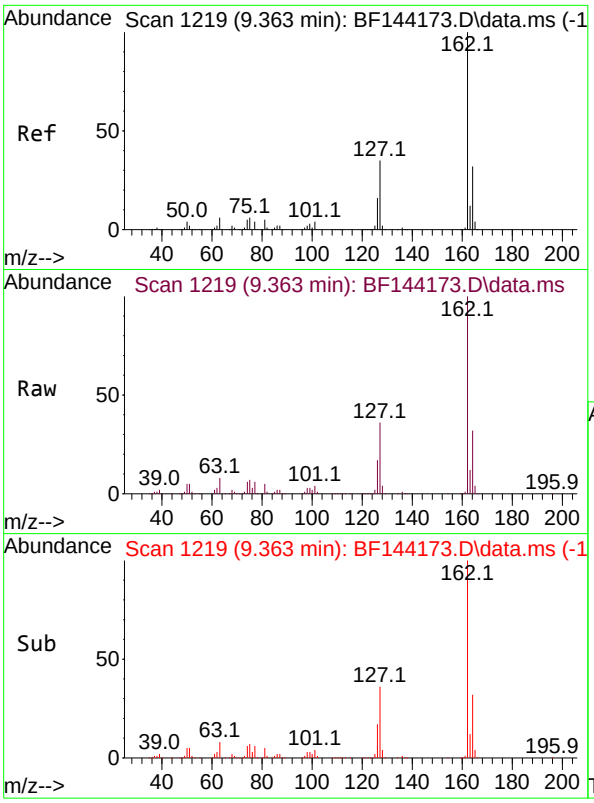


#46
1,1'-Biphenyl
Concen: 40.345 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:154 Resp: 419119

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.2	59.2
76	11.8	0.0	31.8



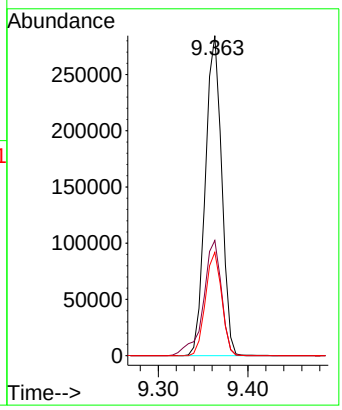


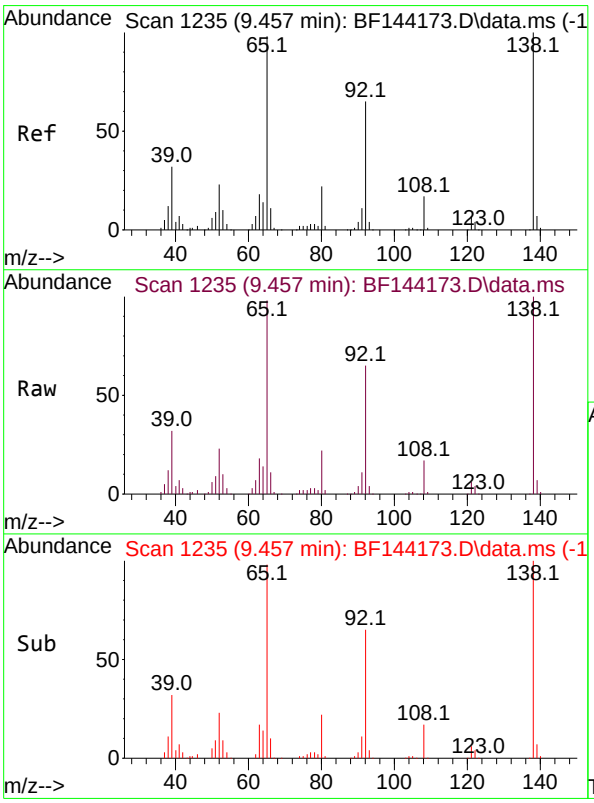
#47
2-Chloronaphthalene
Concen: 40.458 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 358514

Ion	Ratio	Lower	Upper
162	100		
127	36.0	28.8	43.2
164	32.3	25.8	38.8

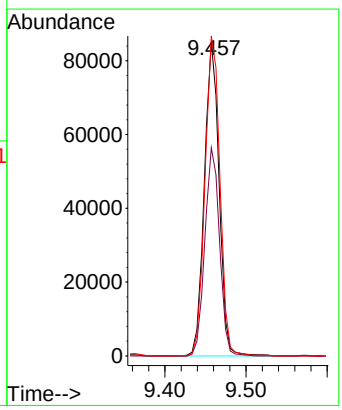


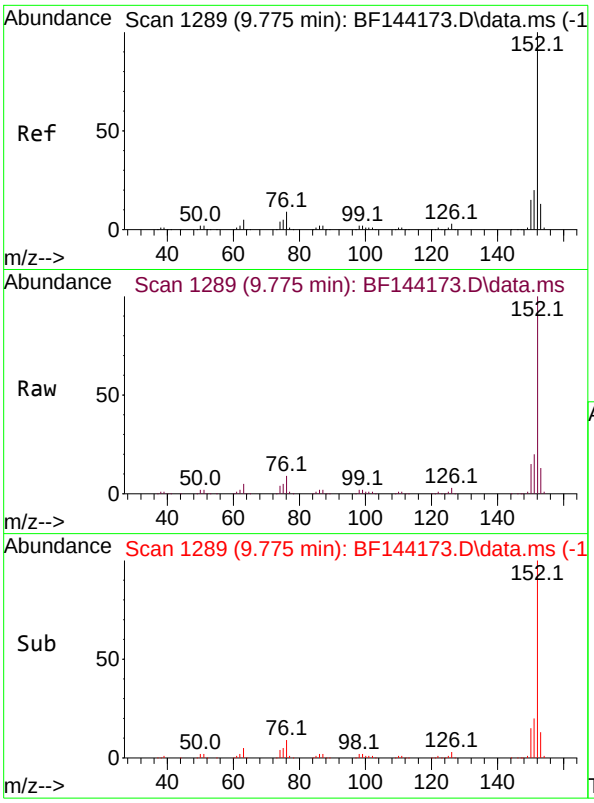


#48
2-Nitroaniline
Concen: 42.059 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 65 Resp: 107536

Ion	Ratio	Lower	Upper
65	100		
92	66.3	53.0	79.6
138	102.0	81.6	122.4



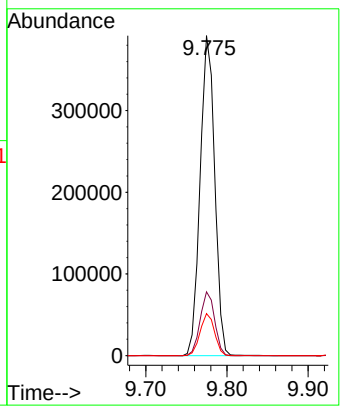


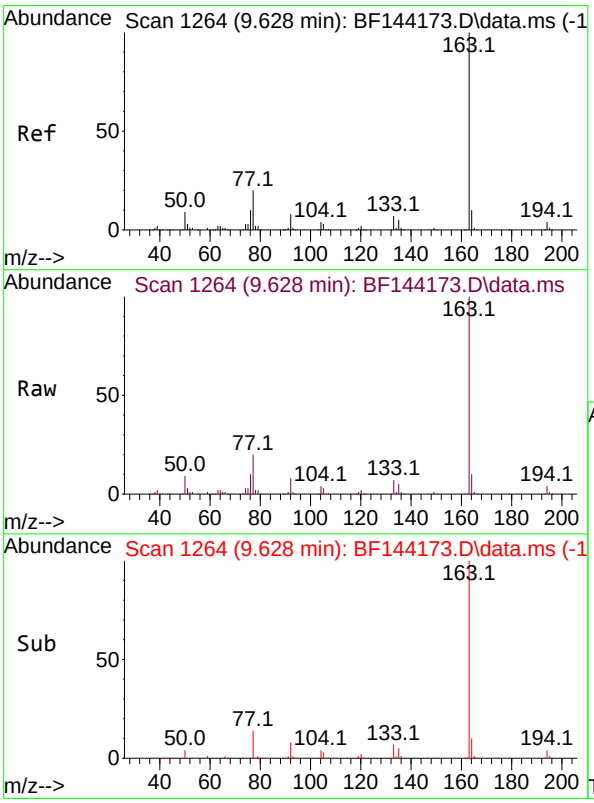
#49
Acenaphthylene
Concen: 40.553 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 489708

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.1	10.5	15.7

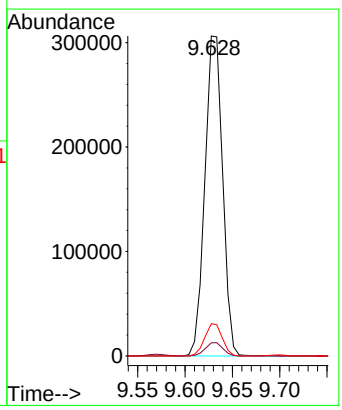


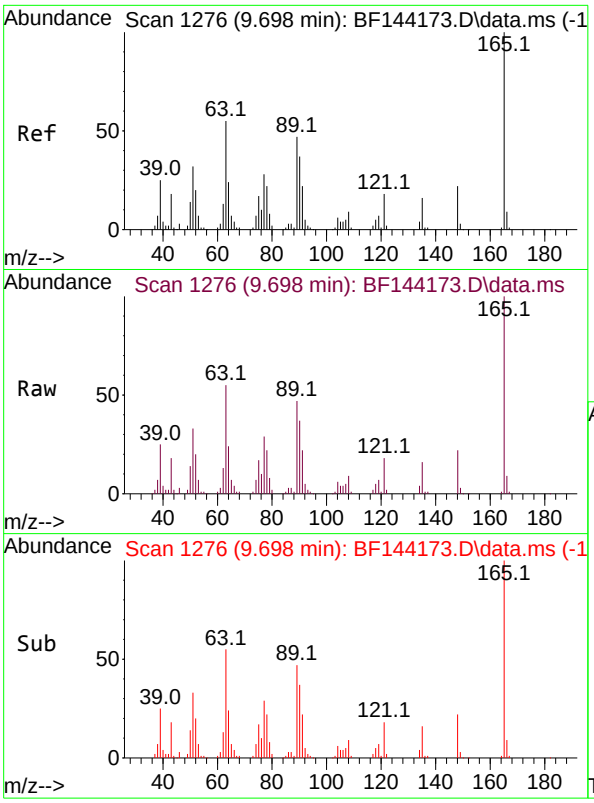


#50
Dimethylphthalate
Concen: 40.620 ng
RT: 9.628 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:163 Resp: 400479

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.1	12.1



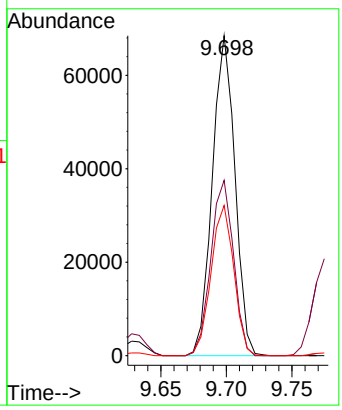


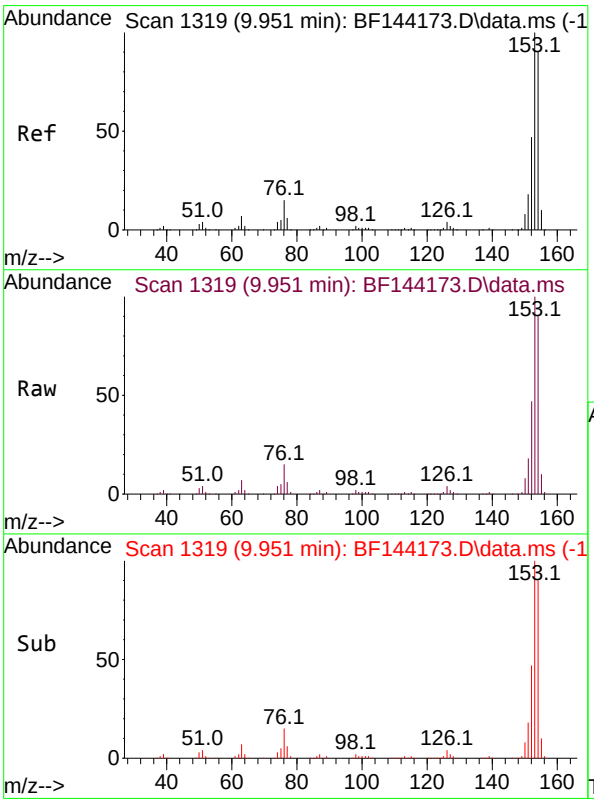
#51
2,6-Dinitrotoluene
Concen: 41.169 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 82166

Ion	Ratio	Lower	Upper
165	100		
63	54.8	43.8	65.8
89	46.9	37.5	56.3

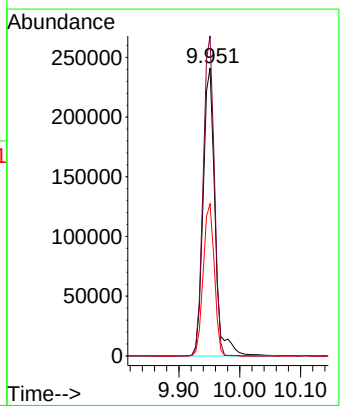


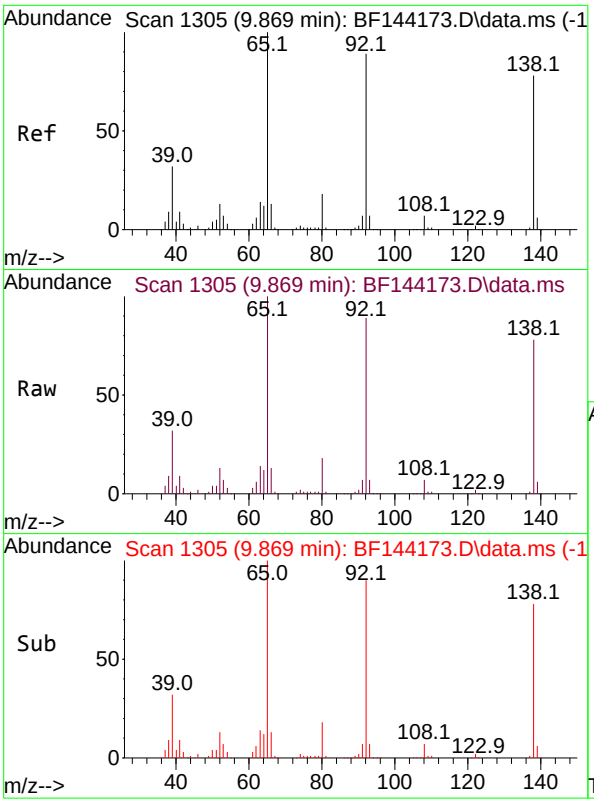


#52
Acenaphthene
Concen: 40.406 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:154 Resp: 326285

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.0	133.4
152	52.8	42.2	63.4



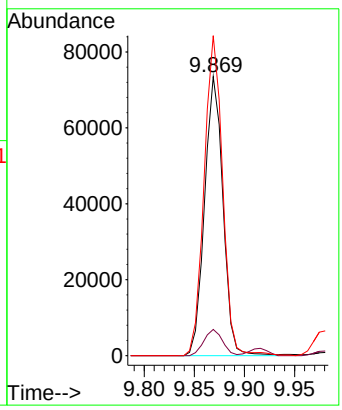


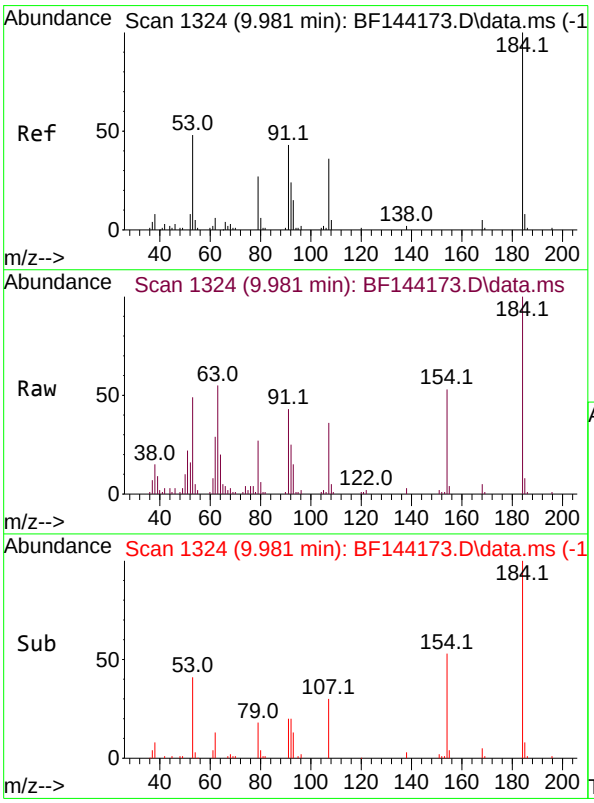
#53
3-Nitroaniline
Concen: 42.918 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 93636

Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.5	11.3
92	114.7	91.8	137.6

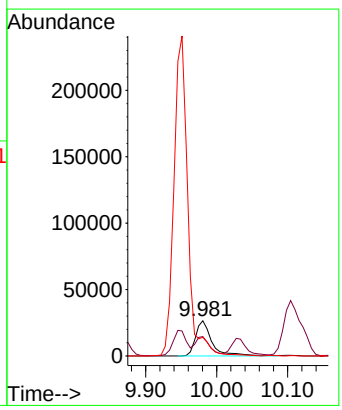


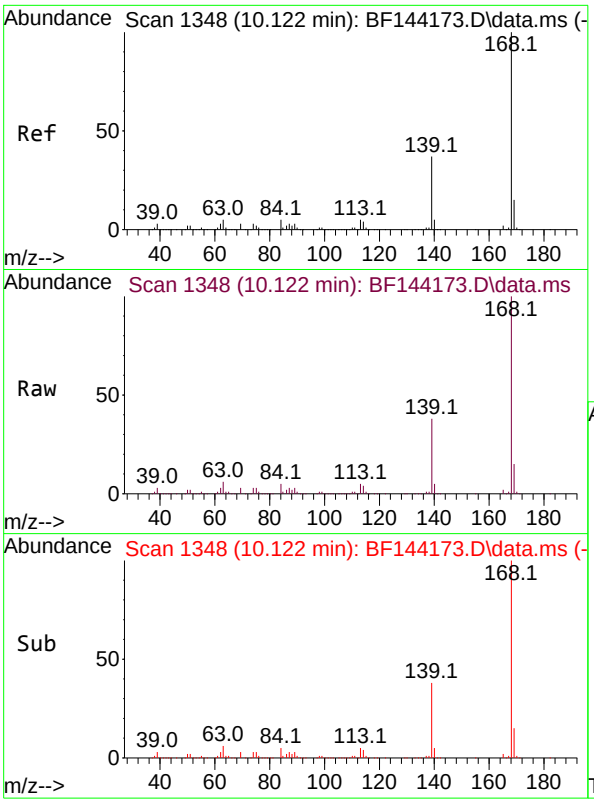


#54
2,4-Dinitrophenol
Concen: 34.614 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:184 Resp: 41716

Ion	Ratio	Lower	Upper
184	100		
63	55.0	44.0	66.0
154	53.0	42.4	63.6



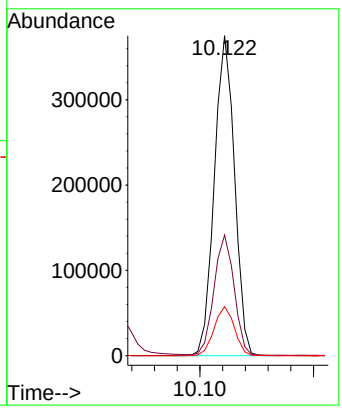


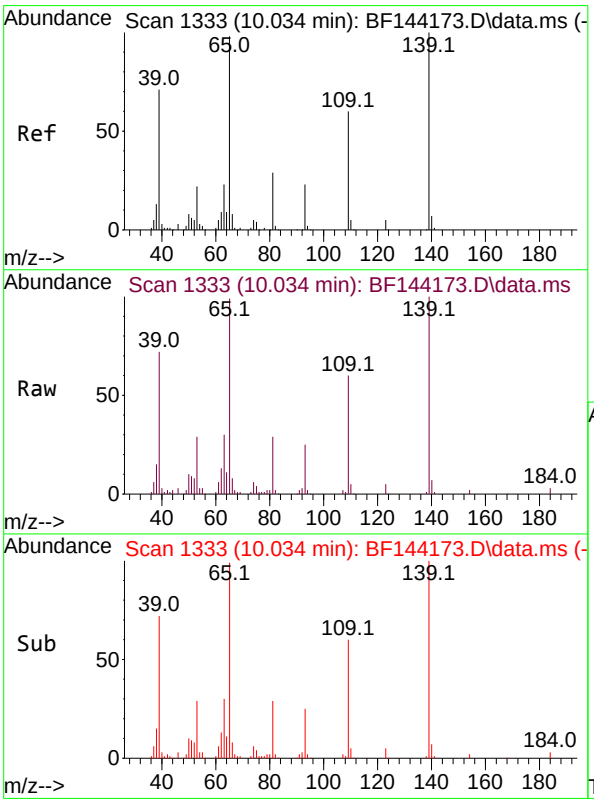
#55
Dibenzofuran
Concen: 40.810 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 461538

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.2	45.2
169	15.3	12.2	18.4

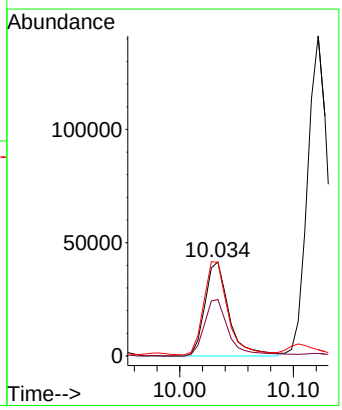


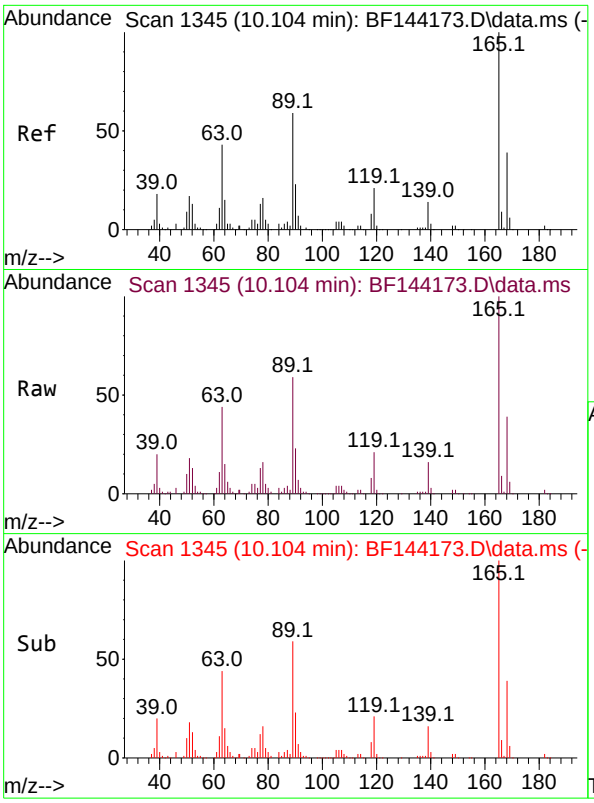


#56
4-Nitrophenol
Concen: 38.426 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:139 Resp: 60643

Ion	Ratio	Lower	Upper
139	100		
109	59.9	39.9	79.9
65	99.5	79.5	119.5



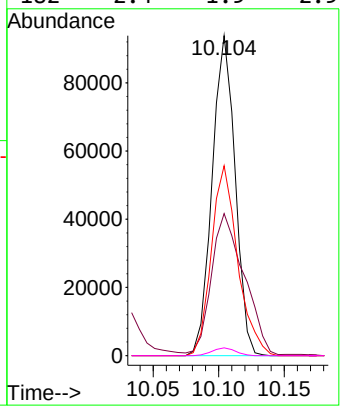


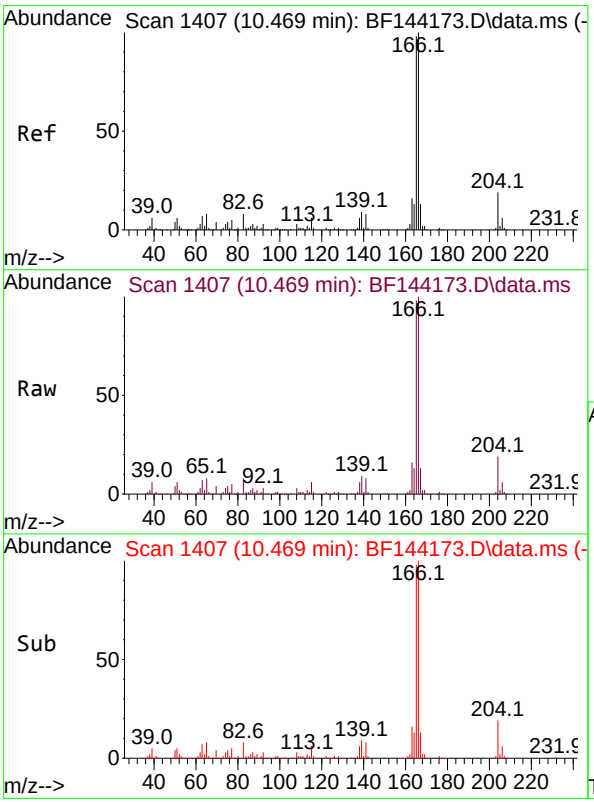
#57
2,4-Dinitrotoluene
Concen: 42.858 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 114508

Ion	Ratio	Lower	Upper
165	100		
63	44.4	35.5	53.3
89	59.3	47.4	71.2
182	2.4	1.9	2.9

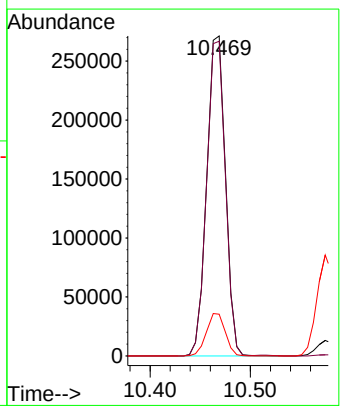


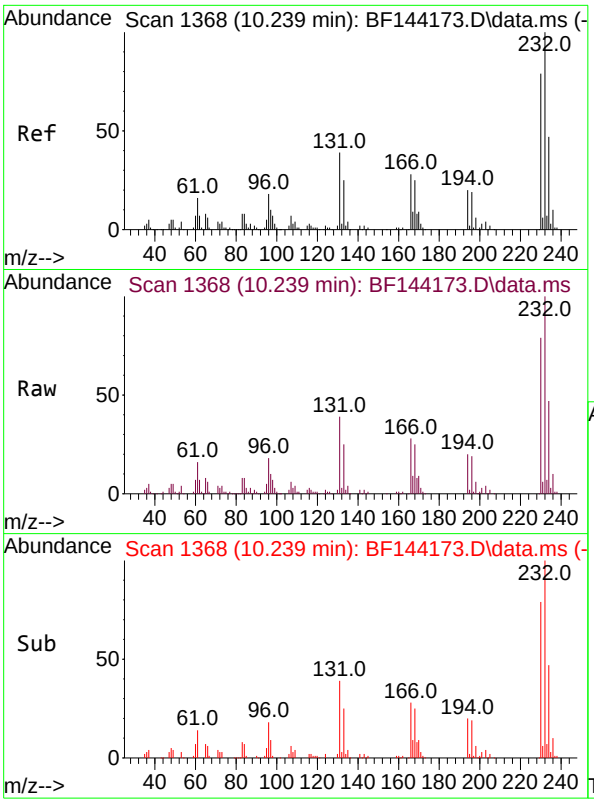


#58
Fluorene
Concen: 40.841 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:166 Resp: 351182

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	118.0
167	13.0	10.4	15.6



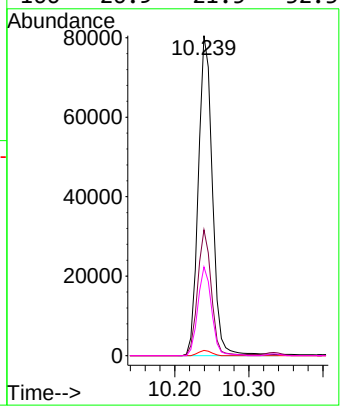


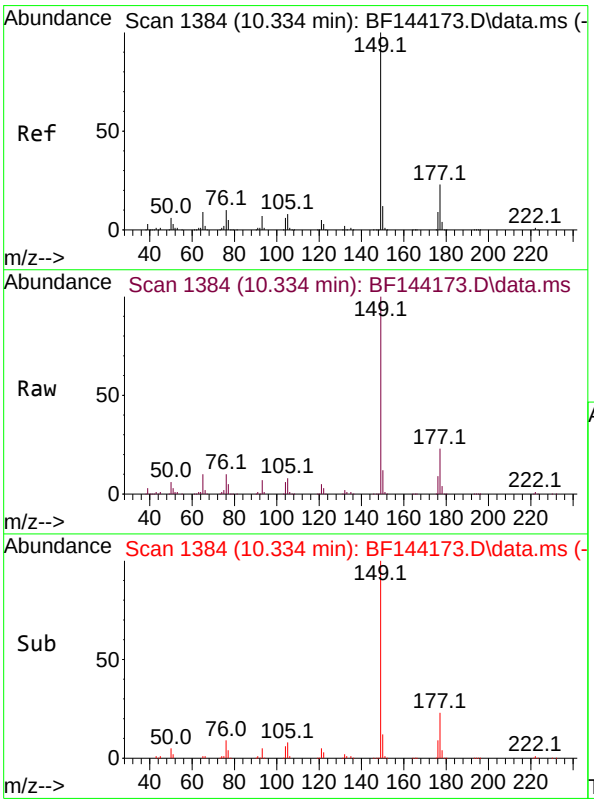
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.037 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 106411

Ion	Ratio	Lower	Upper
232	100		
131	37.9	30.3	45.5
130	1.5	1.2	1.8
166	26.9	21.5	32.3

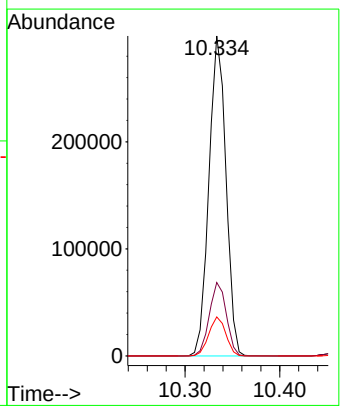


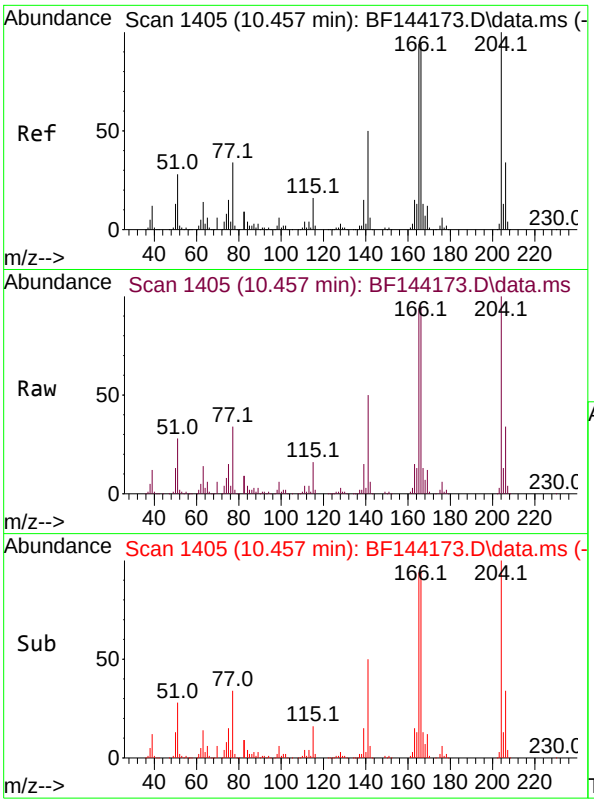


#60
Diethylphthalate
Concen: 41.061 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:149 Resp: 373187

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.2	9.8	14.6



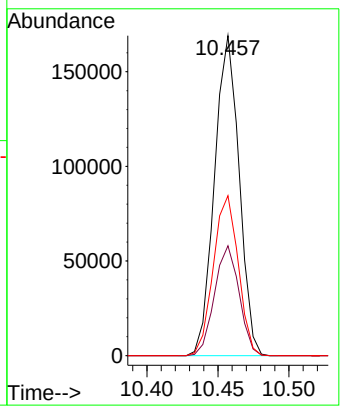


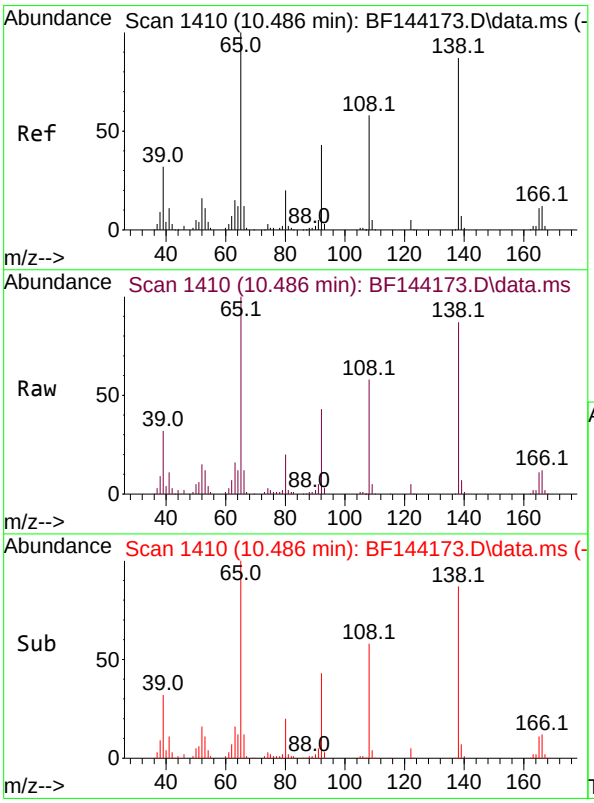
#61
4-Chlorophenyl-phenylether
Concen: 41.598 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 203750

Ion	Ratio	Lower	Upper
204	100		
206	34.3	27.4	41.2
141	50.0	40.0	60.0

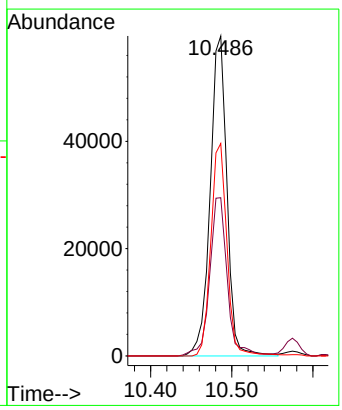


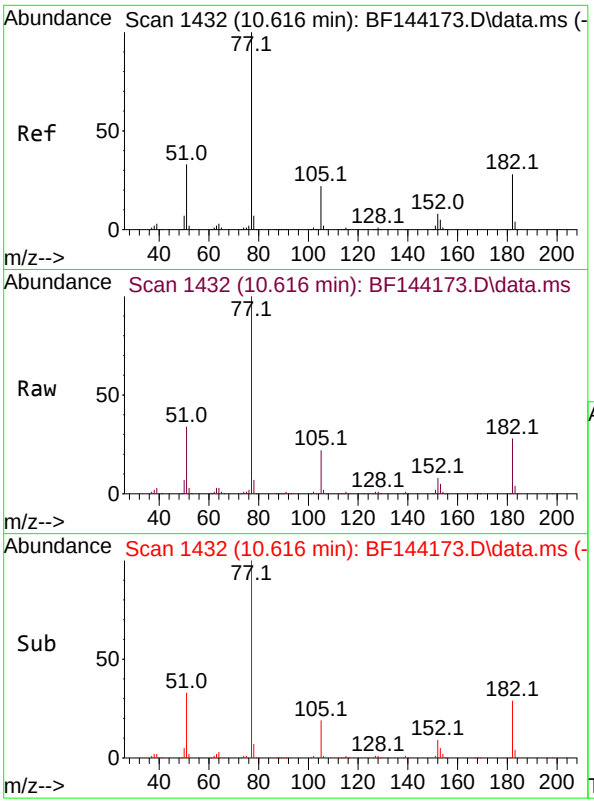


#62
4-Nitroaniline
Concen: 41.237 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:138 Resp: 85679

Ion	Ratio	Lower	Upper
138	100		
92	49.4	29.4	69.4
108	66.4	46.4	86.4



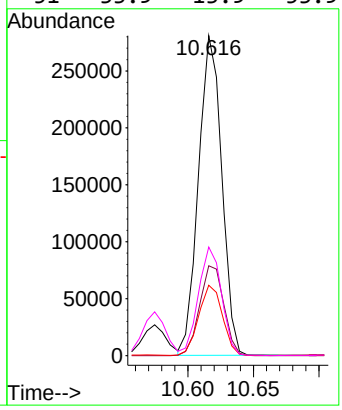


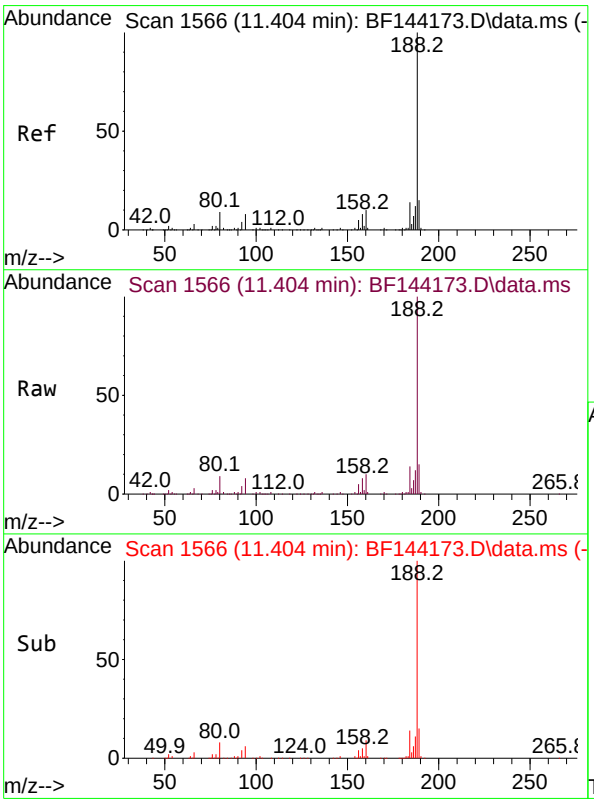
#63
Azobenzene
Concen: 40.948 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 346367

Ion	Ratio	Lower	Upper
77	100		
182	28.1	8.1	48.1
105	22.0	2.0	42.0
51	33.9	13.9	53.9

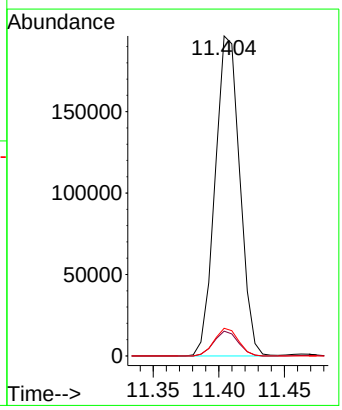


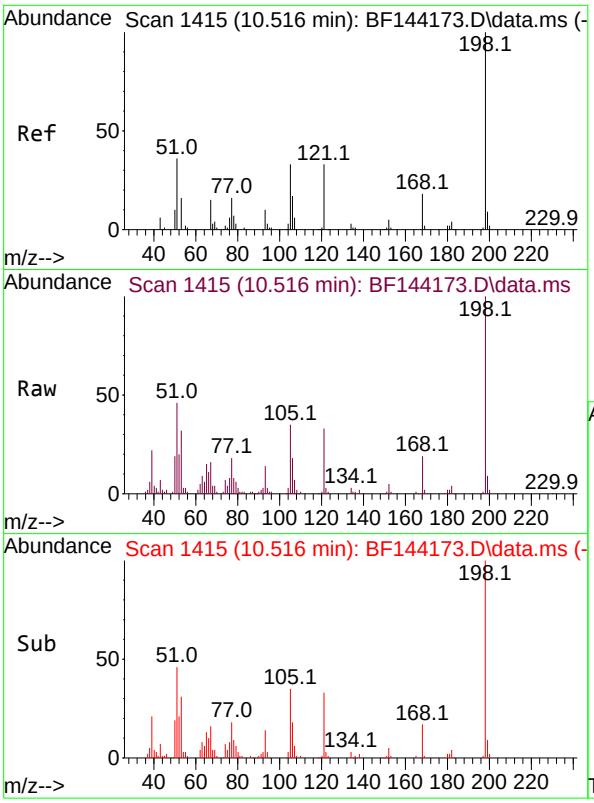


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:188 Resp: 257329

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.2	9.2
80	8.6	6.9	10.3



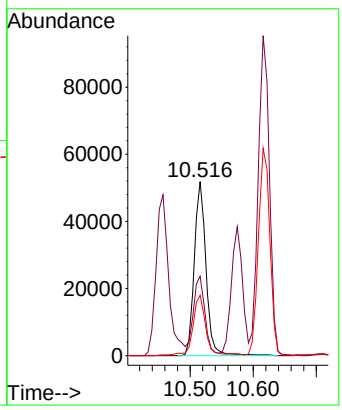


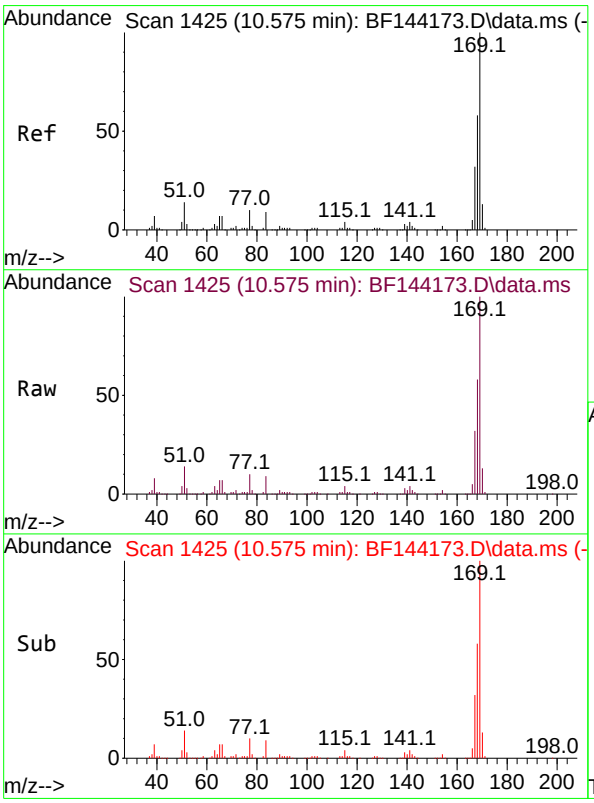
#65
4,6-Dinitro-2-methylphenol
Concen: 38.343 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 67029

Ion	Ratio	Lower	Upper
198	100		
51	45.6	25.6	65.6
105	34.6	14.6	54.6

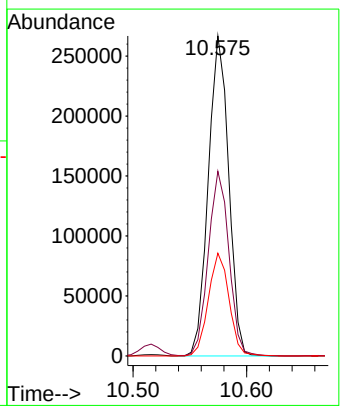


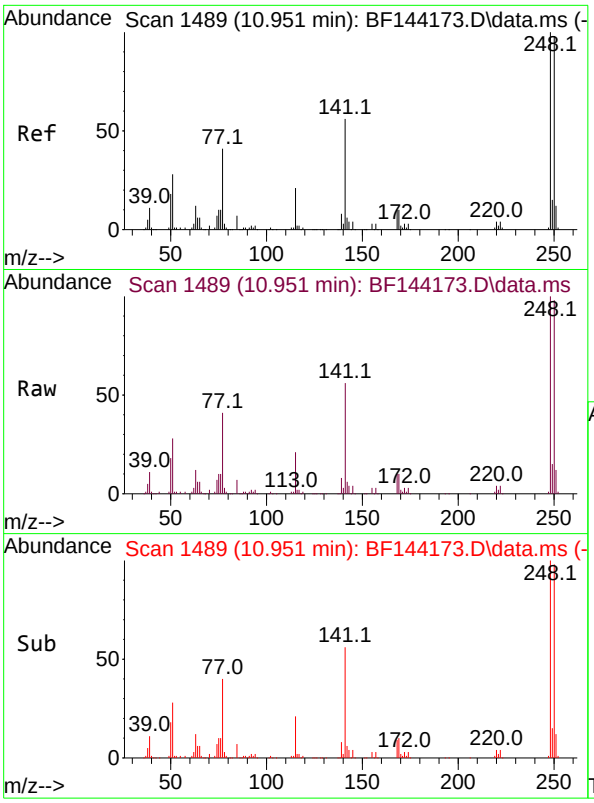


#66
n-Nitrosodiphenylamine
Concen: 40.189 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:169 Resp: 332623

Ion	Ratio	Lower	Upper
169	100		
168	57.7	46.2	69.2
167	32.1	25.7	38.5



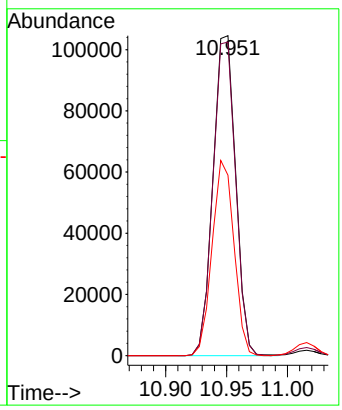


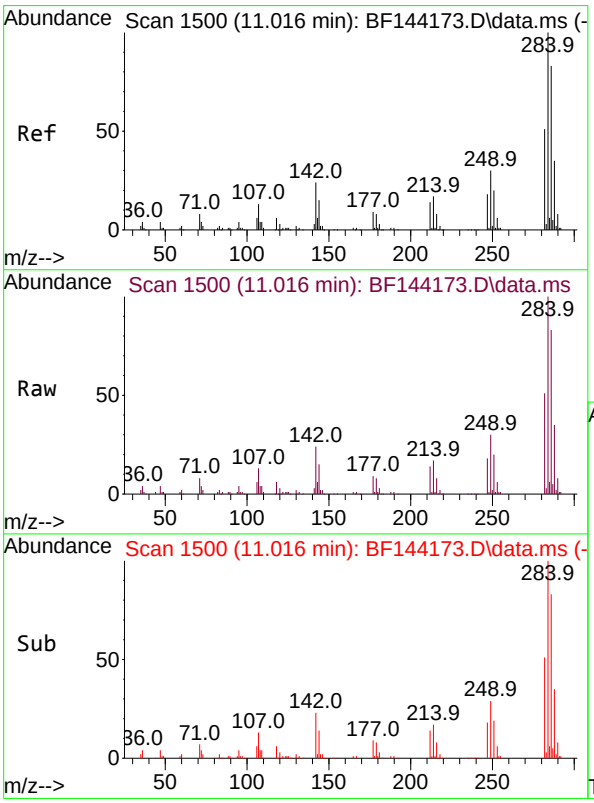
#67
4-Bromophenyl-phenylether
Concen: 41.198 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 135319

Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.4	117.6
141	56.4	45.1	67.7

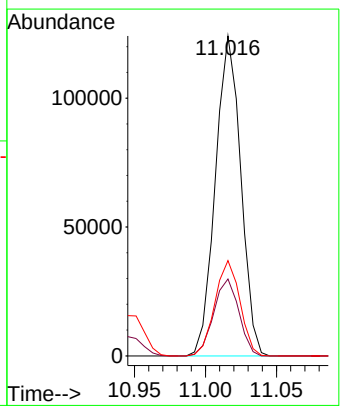


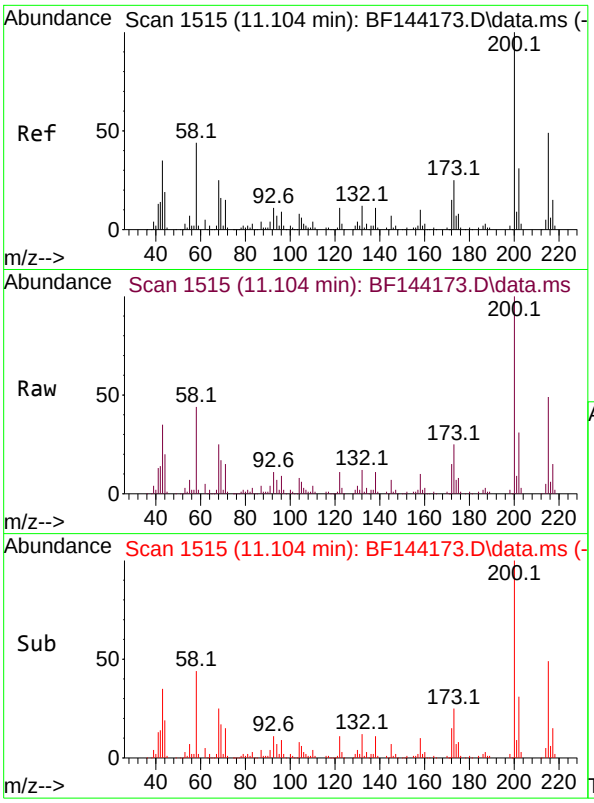


#68
Hexachlorobenzene
Concen: 39.943 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:284 Resp: 154532

Ion	Ratio	Lower	Upper
284	100		
142	24.0	19.2	28.8
249	29.8	23.8	35.8



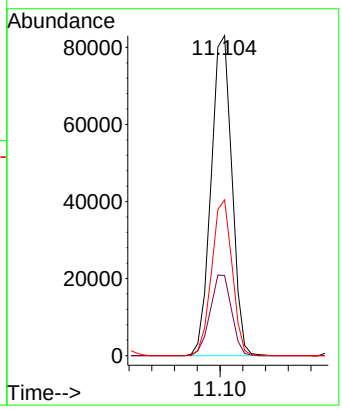


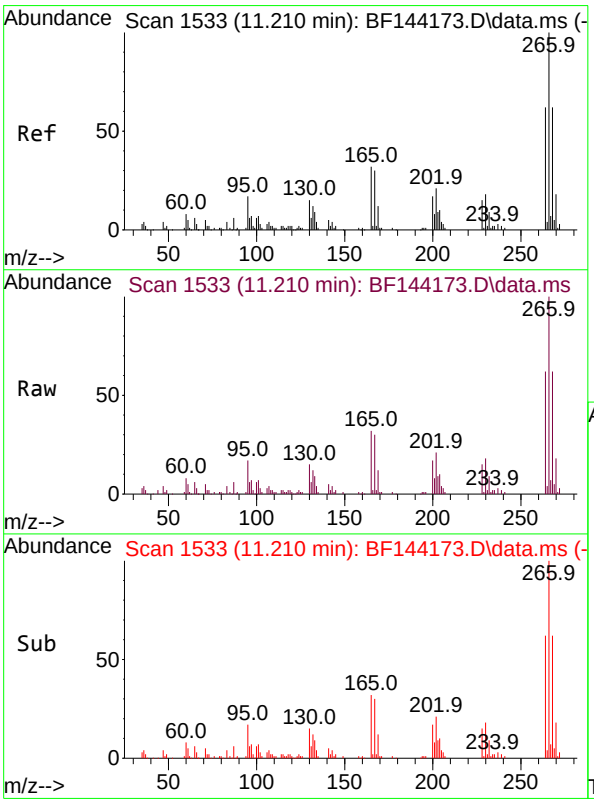
#69
Atrazine
Concen: 40.239 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 105912

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.0	45.0
215	48.7	28.7	68.7

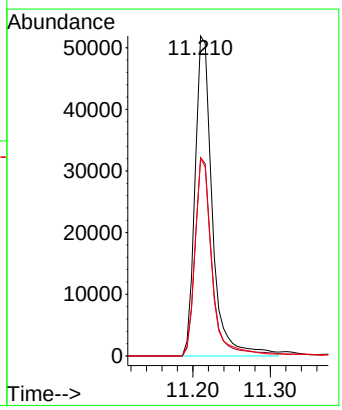


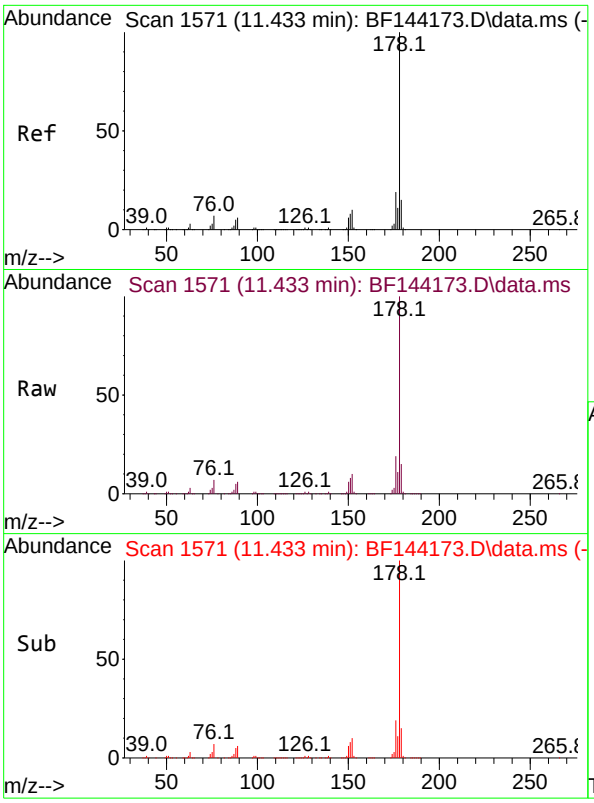


#70
Pentachlorophenol
Concen: 41.685 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:266 Resp: 80306

Ion	Ratio	Lower	Upper
266	100		
268	61.9	49.5	74.3
264	61.8	49.4	74.2



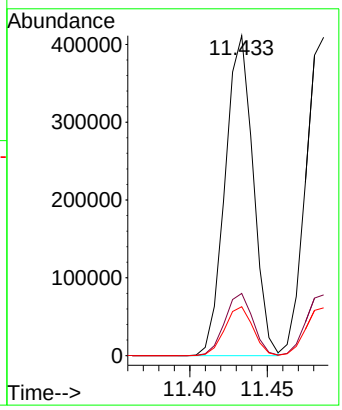


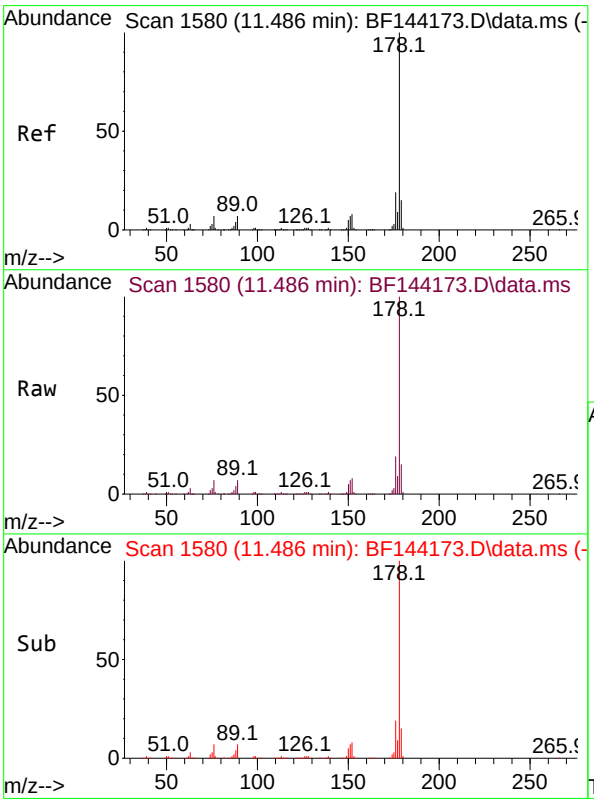
#71
Phenanthrene
Concen: 40.513 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 519052

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.2	18.4

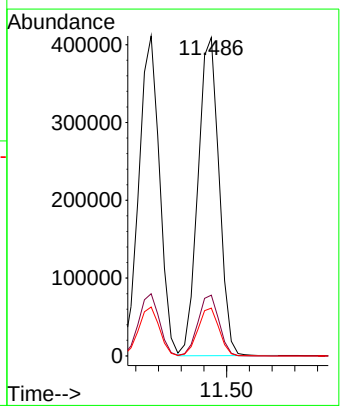


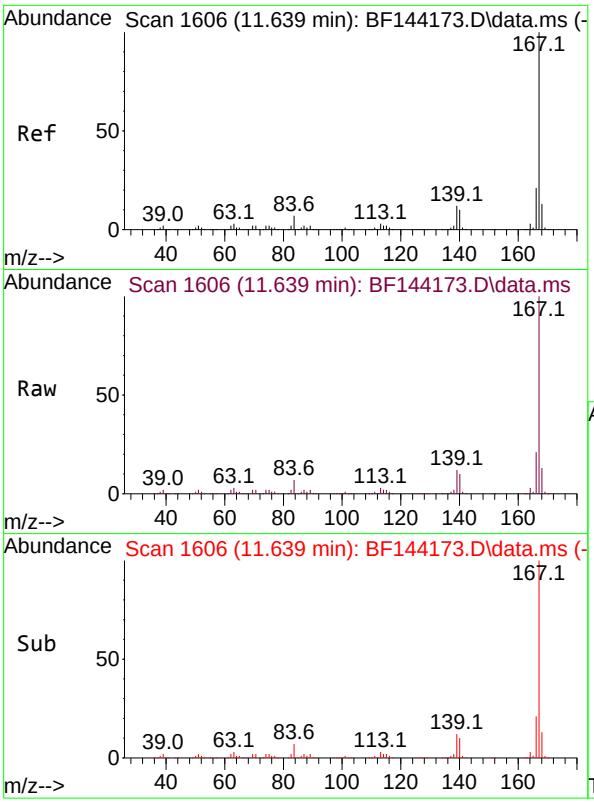


#72
Anthracene
Concen: 40.372 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:178 Resp: 525954

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.0	12.0	18.0



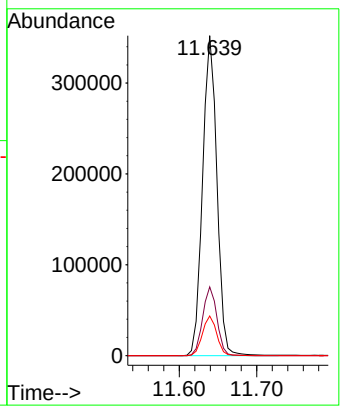


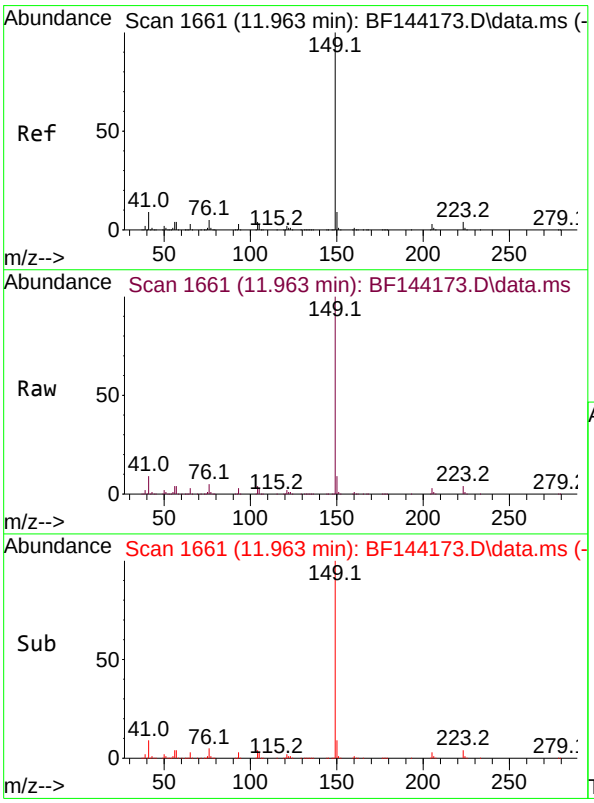
#73
Carbazole
Concen: 40.796 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 451935

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.4	9.9	14.9

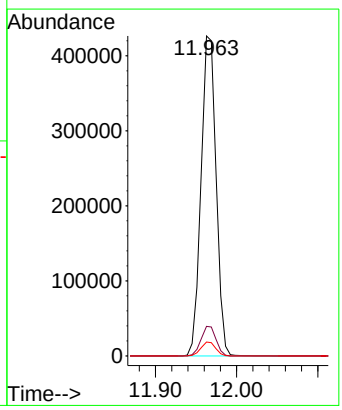


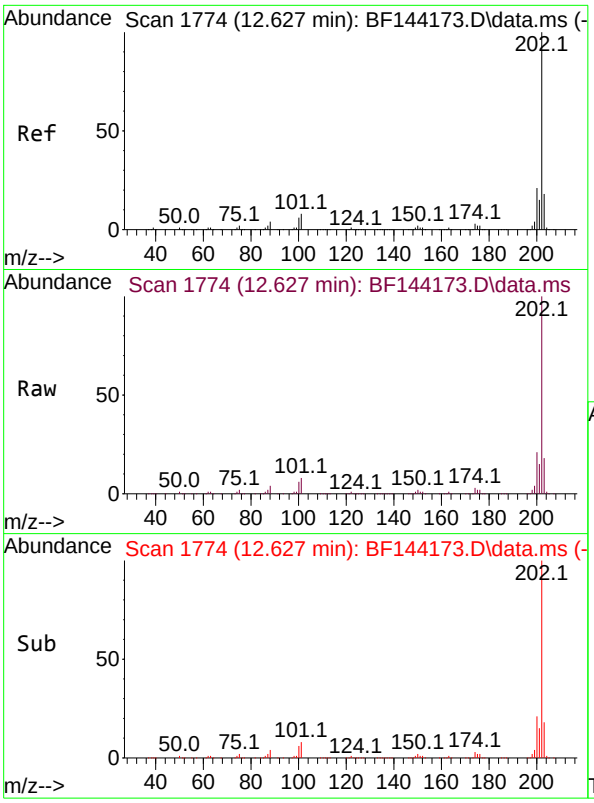


#74
Di-n-butylphthalate
Concen: 41.117 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:149 Resp: 550628

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.3	3.4	5.2



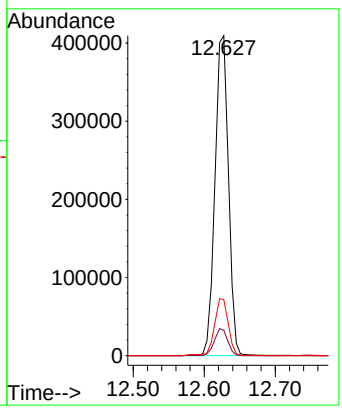


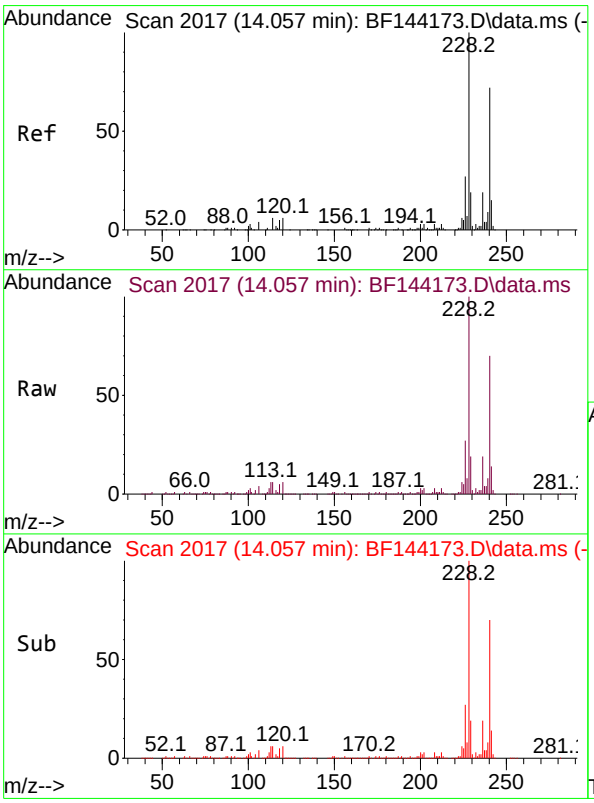
#75
Fluoranthene
Concen: 40.992 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 542525

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	27.9
203	17.5	0.0	37.5

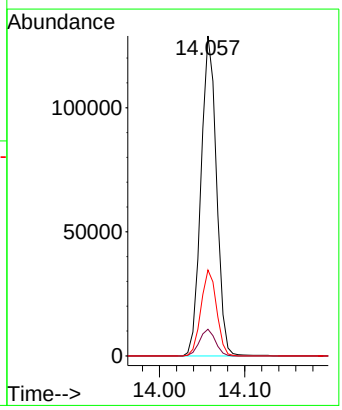


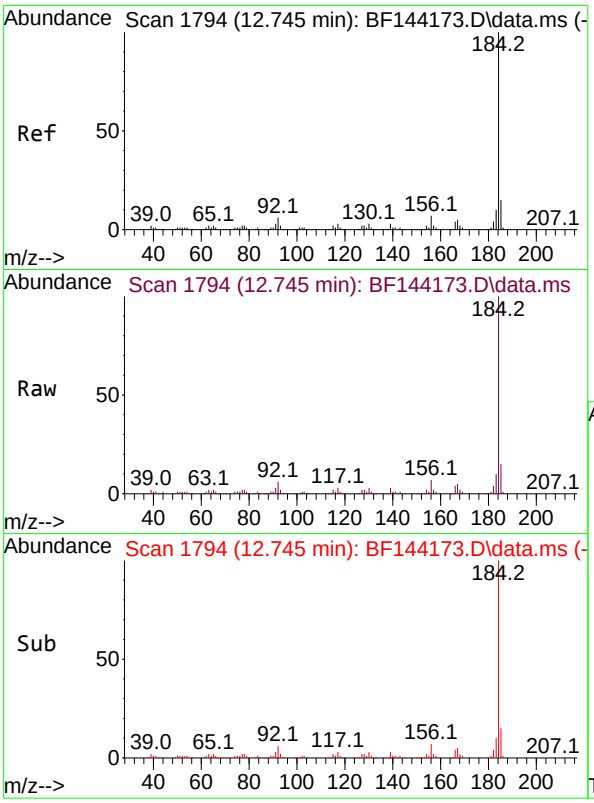


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:240 Resp: 162650

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.6	10.0
236	26.8	21.4	32.2



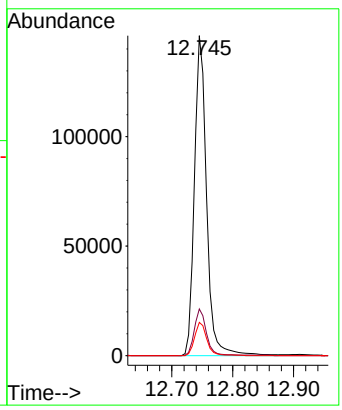


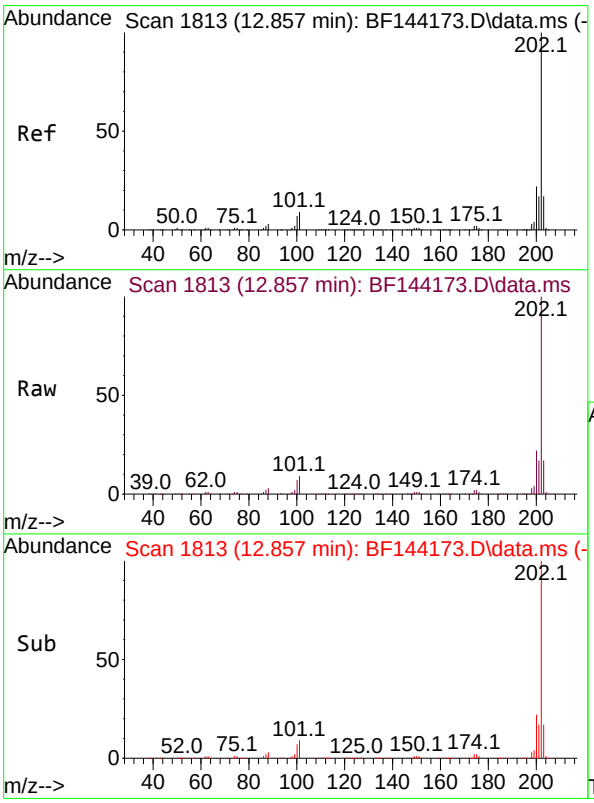
#77
Benzidine
Concen: 42.178 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 202921

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.7	17.5
183	10.4	8.3	12.5

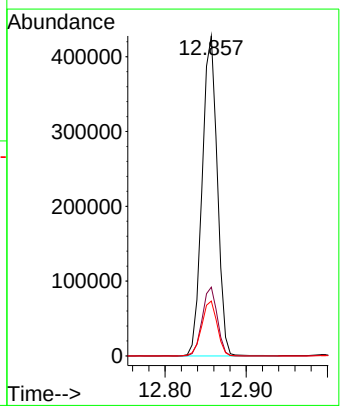


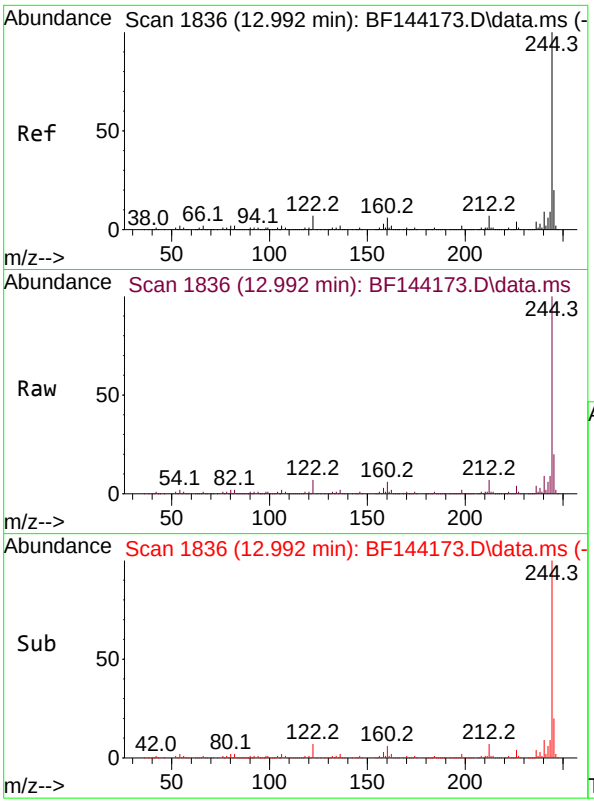


#78
Pyrene
Concen: 42.272 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:202 Resp: 554374

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.1	13.7	20.5



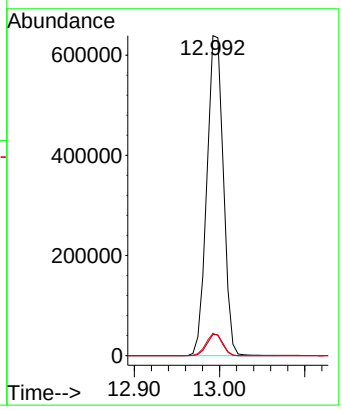


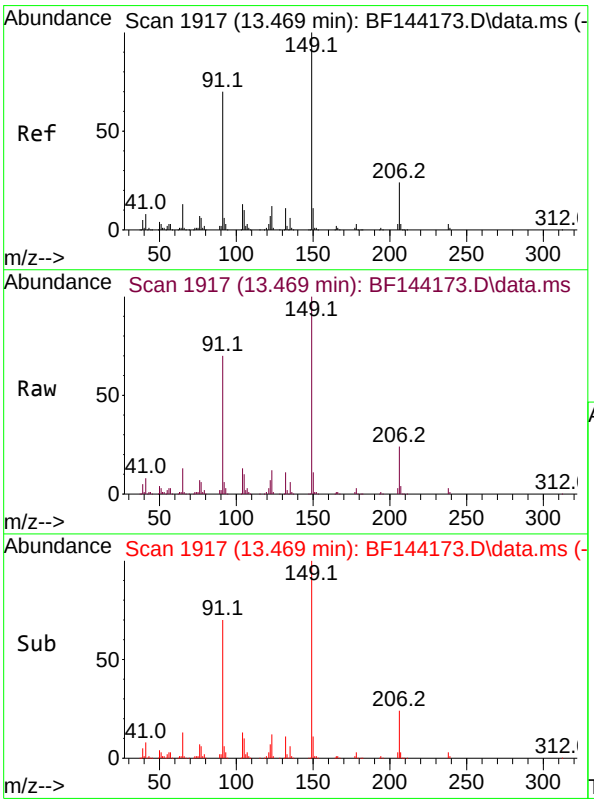
#79
Terphenyl-d14
Concen: 83.645 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 856515

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	7.0	5.6	8.4

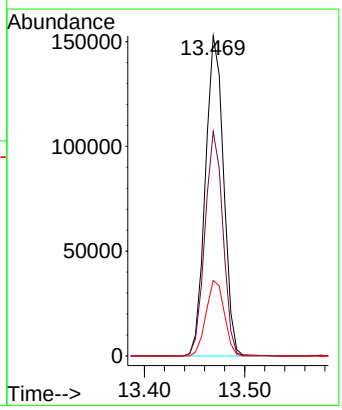


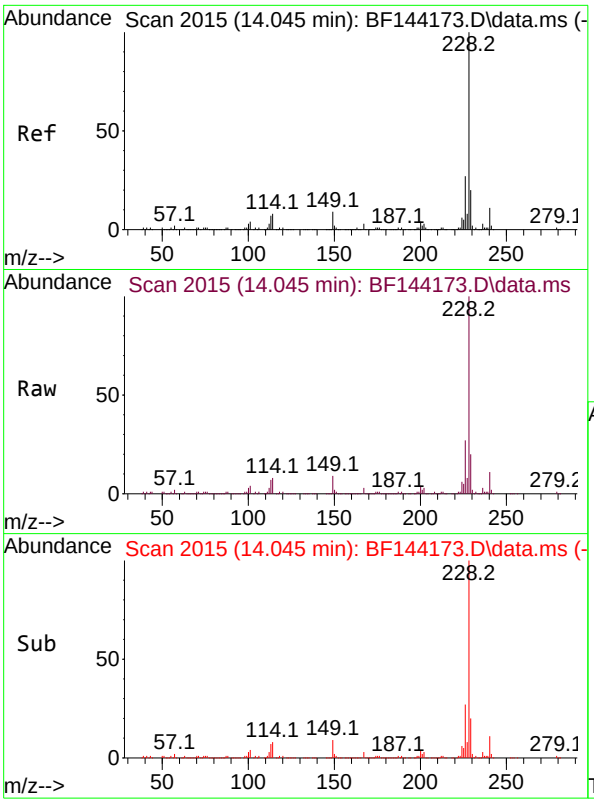


#80
Butylbenzylphthalate
Concen: 42.209 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:149 Resp: 191850

Ion	Ratio	Lower	Upper
149	100		
91	70.1	56.1	84.1
206	23.5	18.8	28.2



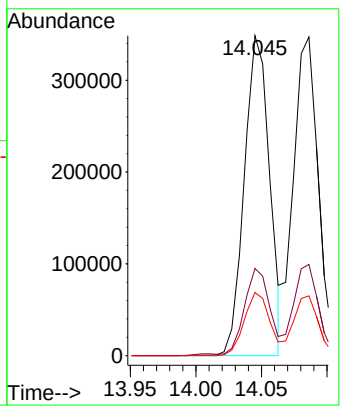


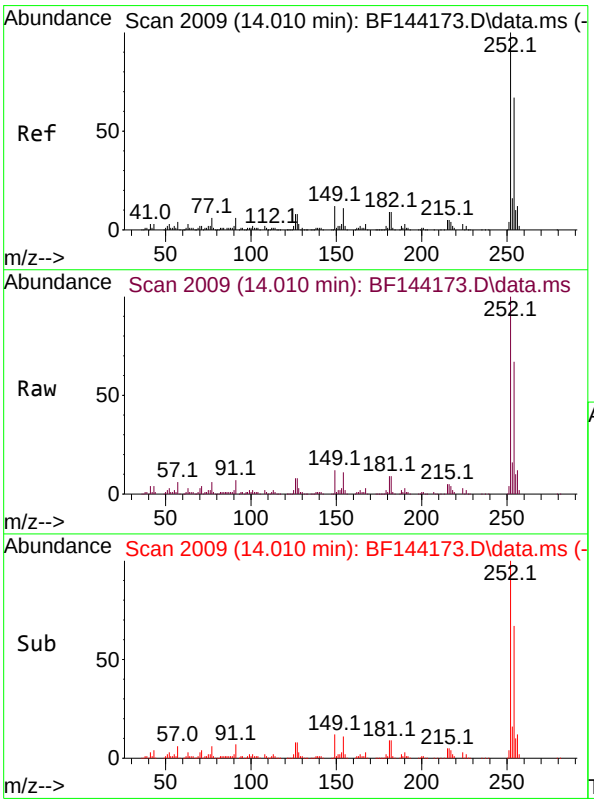
#81
Benzo(a)anthracene
Concen: 41.267 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 465201

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.7	15.8	23.6

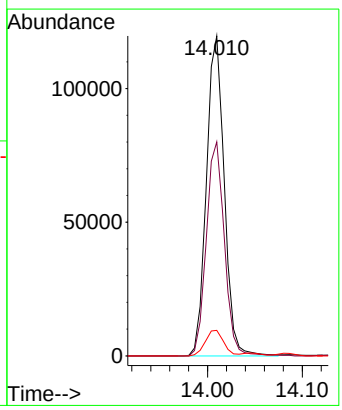


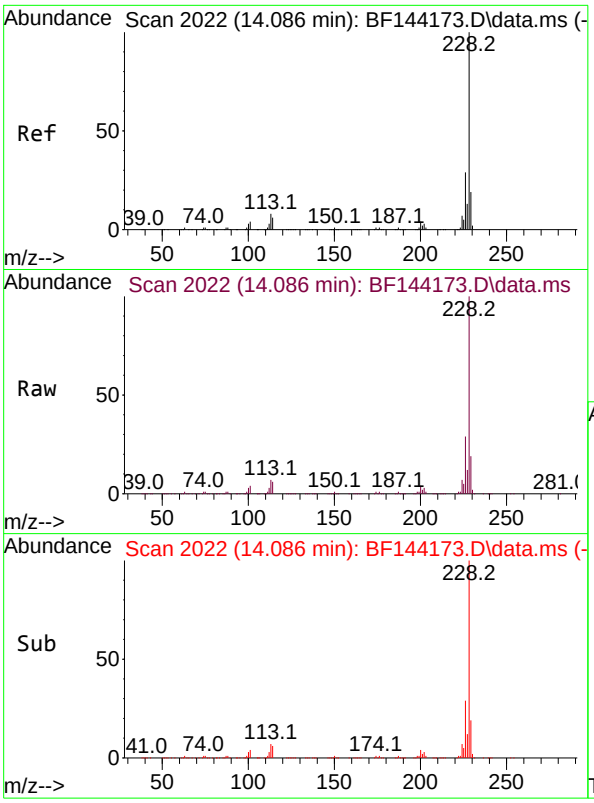


#82
3,3'-Dichlorobenzidine
Concen: 40.620 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:252 Resp: 156957

Ion	Ratio	Lower	Upper
252	100		
254	66.9	53.5	80.3
126	8.0	6.4	9.6



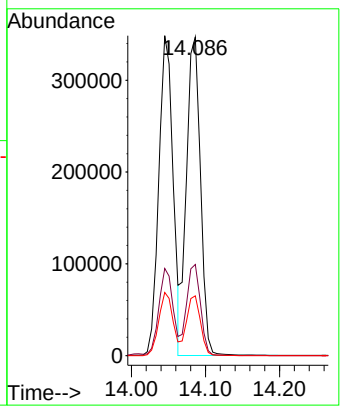


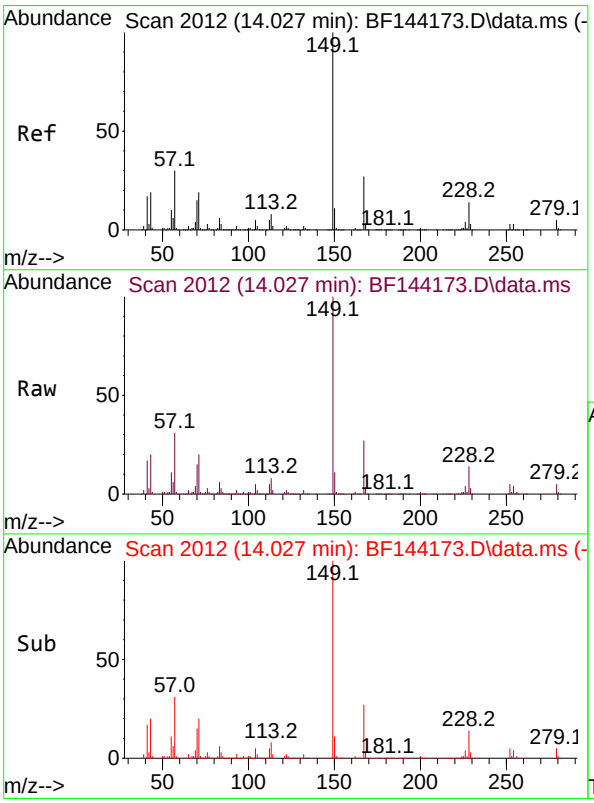
#83
Chrysene
Concen: 43.853 ng
RT: 14.086 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 456347

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.9	34.3
229	18.8	15.0	22.6

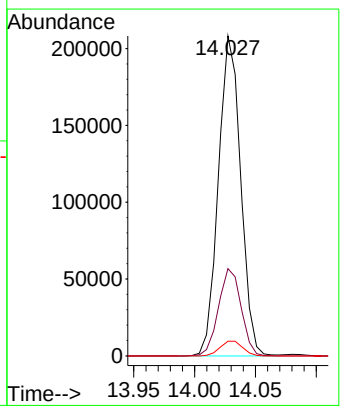


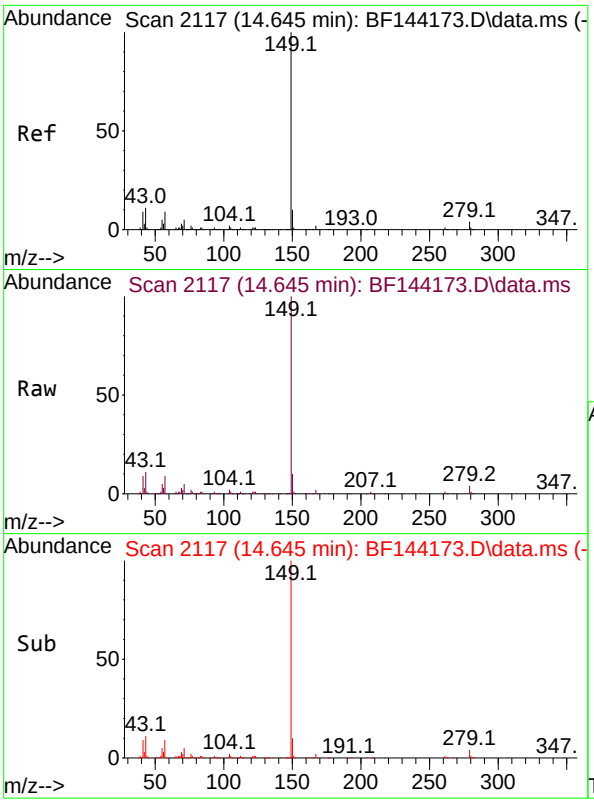


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.651 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:149 Resp: 265384

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.8
279	4.6	3.7	5.5



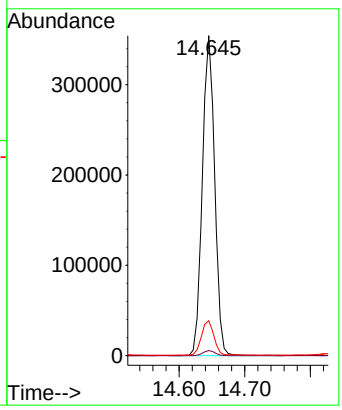


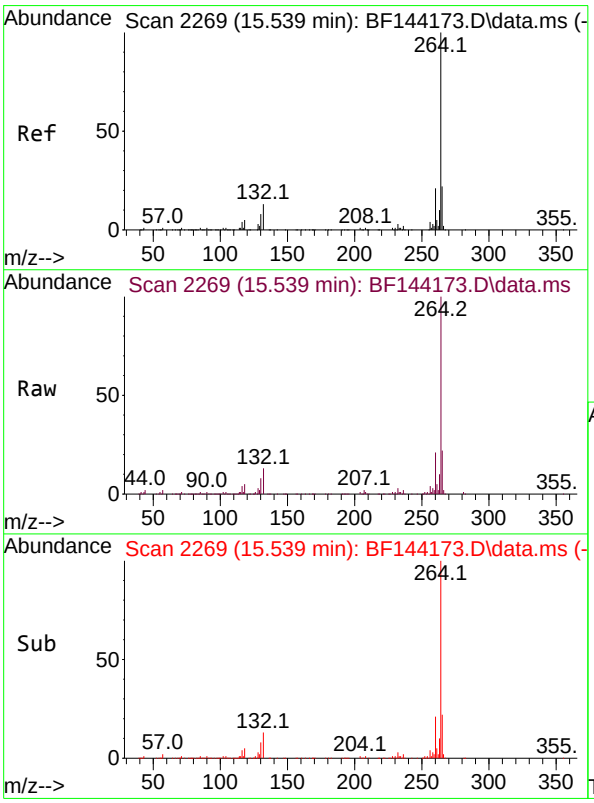
#85
Di-n-octyl phthalate
Concen: 42.739 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 458823

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.2	9.0	13.4

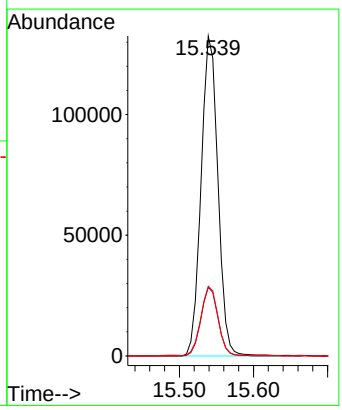


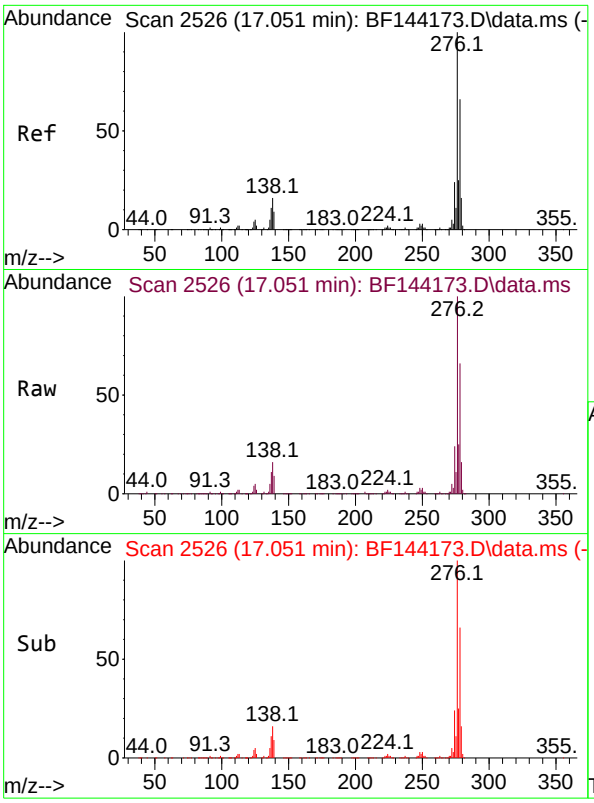


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:264 Resp: 208923

Ion	Ratio	Lower	Upper
264	100		
260	21.4	17.1	25.7
265	21.7	17.4	26.0



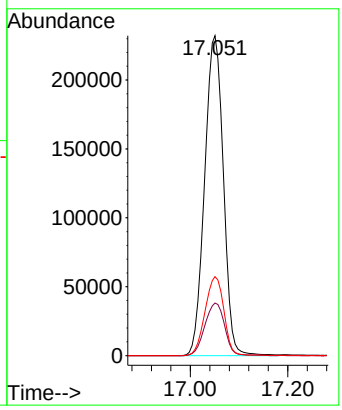


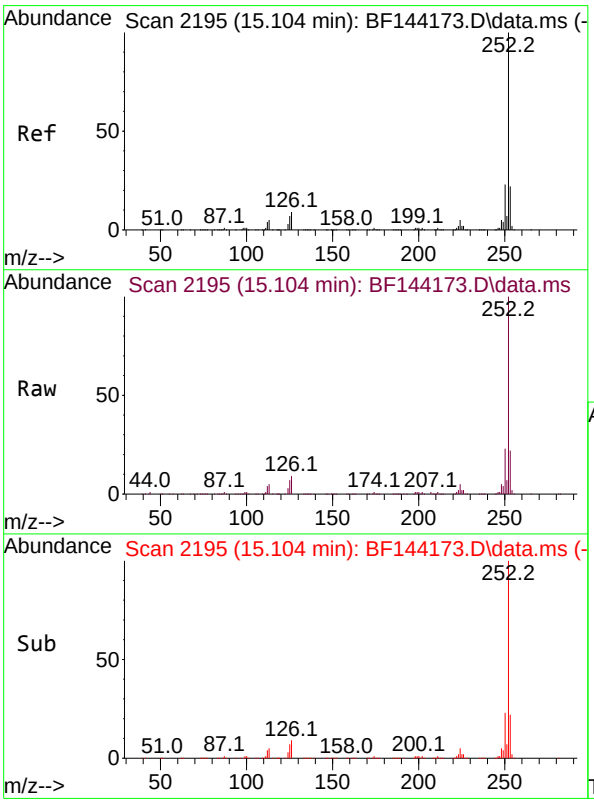
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.385 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 620668

Ion	Ratio	Lower	Upper
276	100		
138	17.4	13.9	20.9
277	24.7	19.8	29.6

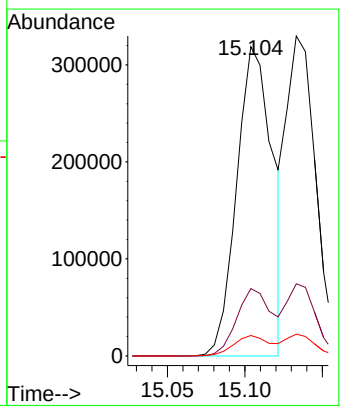


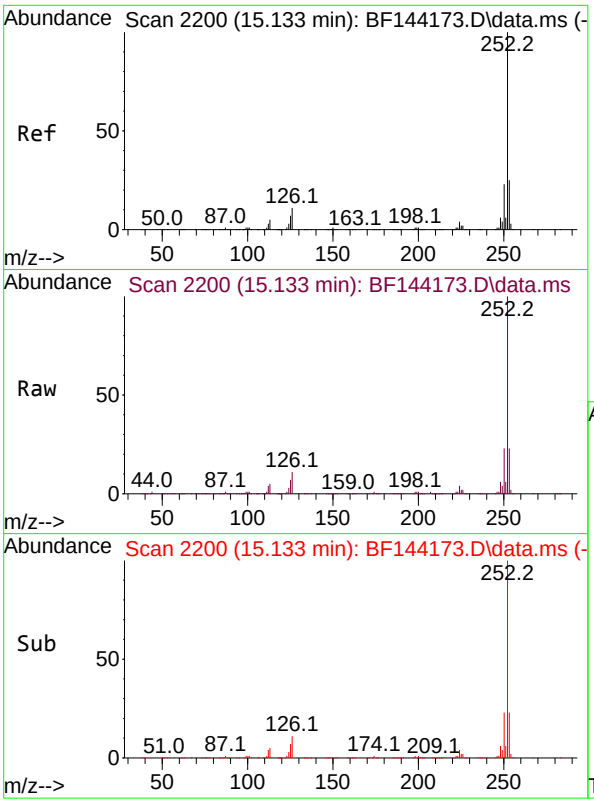


#88
Benzo(b)fluoranthene
Concen: 43.375 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:252 Resp: 515192

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	6.6	5.3	7.9



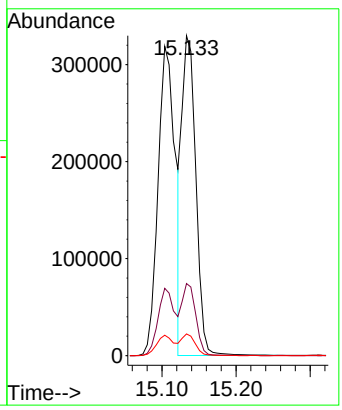


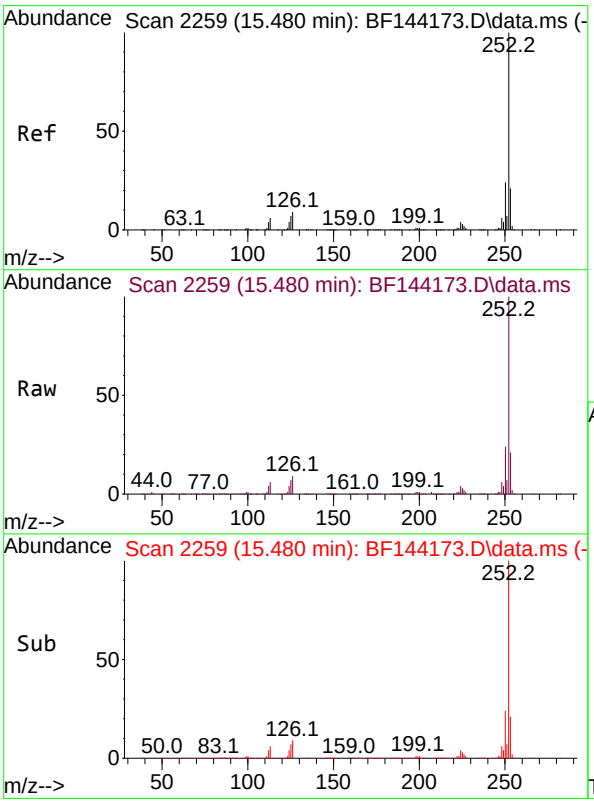
#89
Benzo(k)fluoranthene
Concen: 39.135 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 435087

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	6.8	5.4	8.2

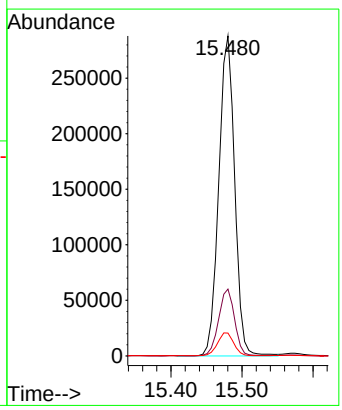


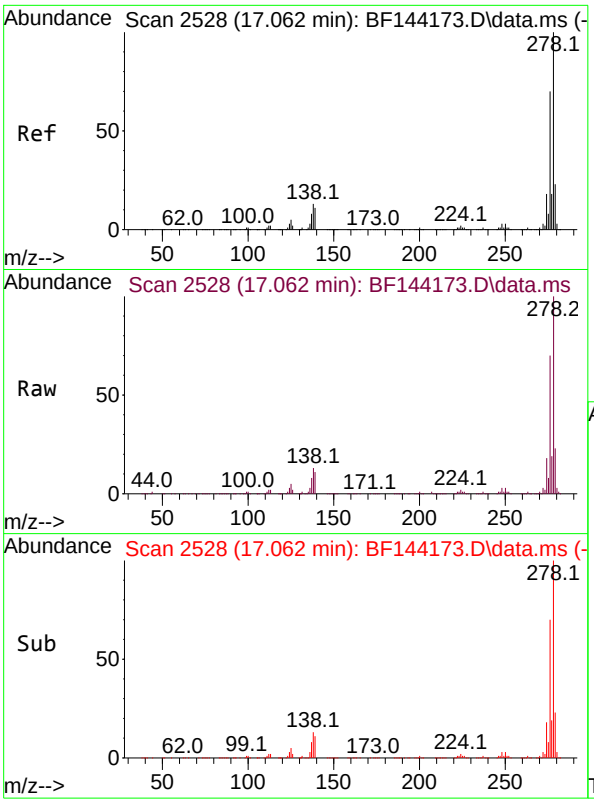


#90
Benzo(a)pyrene
Concen: 41.055 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:252 Resp: 449869

Ion	Ratio	Lower	Upper
252	100		
253	20.9	16.7	25.1
125	7.1	5.7	8.5



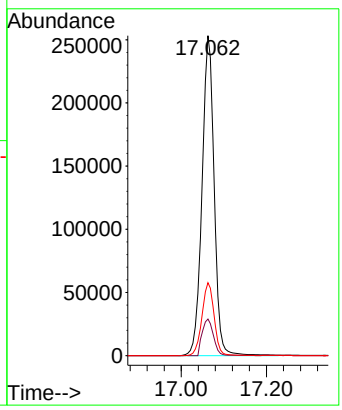


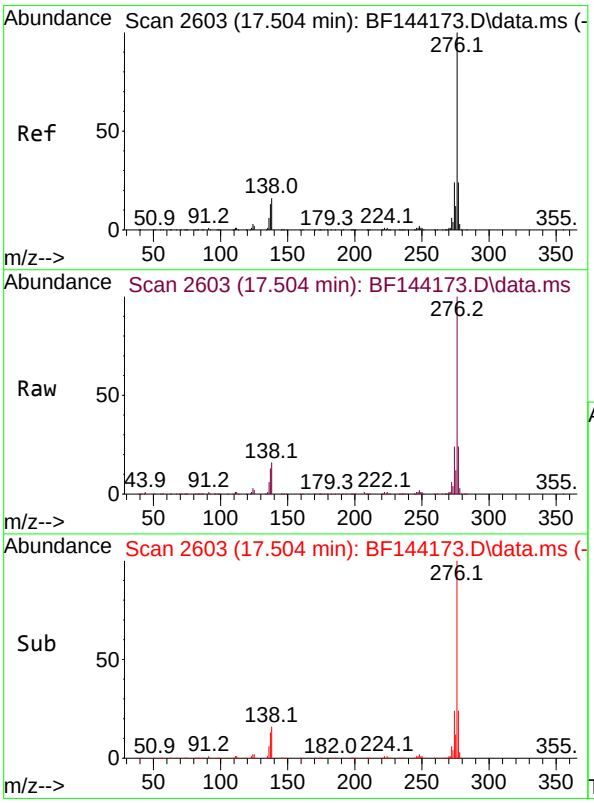
#91
Dibenzo(a,h)anthracene
Concen: 41.578 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 500778

Ion	Ratio	Lower	Upper
278	100		
139	11.4	9.1	13.7
279	22.8	18.2	27.4

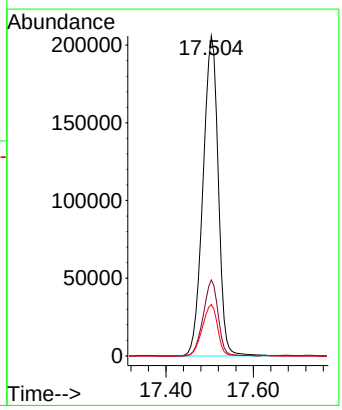




#92
Benzo(g,h,i)perylene
Concen: 41.843 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.018 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:276 Resp: 497680

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	16.1	12.9	19.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144174.D
Acq On : 05 Nov 2025 15:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 05 17:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	84549	20.000 ng		0.00
21) Naphthalene-d8	8.157	136	313425	20.000 ng		0.00
39) Acenaphthene-d10	9.916	164	170294	20.000 ng		0.00
64) Phenanthrene-d10	11.410	188	283828	20.000 ng		0.00
76) Chrysene-d12	14.063	240	194366	20.000 ng		0.00
86) Perylene-d12	15.545	264	264861	20.000 ng		0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	489170	90.538 ng		0.00
7) Phenol-d6	6.504	99	541465	88.447 ng		0.00
23) Nitrobenzene-d5	7.439	82	502493	92.595 ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	192917	90.275 ng		0.00
45) 2-Fluorobiphenyl	9.233	172	1002454	86.941 ng		0.00
79) Terphenyl-d14	12.998	244	1012618	82.754 ng		0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.605	88	105785	47.358 ng		97
3) Pyridine	3.375	79	291313	46.746 ng		98
4) n-Nitrosodimethylamine	3.334	42	152767	46.930 ng		98
6) Aniline	6.540	93	389058	44.605 ng		99
8) 2-Chlorophenol	6.663	128	243472	45.950 ng		99
9) Benzaldehyde	6.428	77	141949	41.062 ng		97
10) Phenol	6.522	94	330203	44.146 ng		92
11) bis(2-Chloroethyl)ether	6.610	93	244159	44.798 ng		97
12) 1,3-Dichlorobenzene	6.816	146	295294	45.164 ng		98
13) 1,4-Dichlorobenzene	6.892	146	290027	44.277 ng		100
14) 1,2-Dichlorobenzene	7.045	146	280070	44.609 ng		99
15) Benzyl Alcohol	7.016	79	221836	45.762 ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	453774	45.212 ng		98
17) 2-Methylphenol	7.128	107	189260	44.899 ng		100
18) Hexachloroethane	7.387	117	98682	45.346 ng		100
19) n-Nitroso-di-n-propyla...	7.287	70	171911	42.657 ng		95
20) 3+4-Methylphenols	7.281	107	217734	43.819 ng		92
22) Acetophenone	7.287	105	297391	44.230 ng		96
24) Nitrobenzene	7.463	77	268336	45.541 ng		98
25) Isophorone	7.698	82	455511	44.376 ng		98
26) 2-Nitrophenol	7.775	139	136351	46.747 ng		97
27) 2,4-Dimethylphenol	7.810	122	204079	46.681 ng		97
28) bis(2-Chloroethoxy)met...	7.904	93	291202	45.429 ng		98
29) 2,4-Dichlorophenol	8.016	162	226748	45.001 ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	231992	44.838 ng		99
31) Naphthalene	8.181	128	665821	44.658 ng		99
32) Benzoic acid	7.928	122	129332	40.359 ng		98
33) 4-Chloroaniline	8.228	127	241956	44.496 ng		99
34) Hexachlorobutadiene	8.292	225	181564	46.562 ng		98
35) Caprolactam	8.604	113	58430	42.327 ng	#	88
36) 4-Chloro-3-methylphenol	8.710	107	202891	44.930 ng		96
37) 2-Methylnaphthalene	8.875	142	438395	43.979 ng		99
38) 1-Methylnaphthalene	8.969	142	419784	43.644 ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	250210	44.832 ng		98
41) Hexachlorocyclopentadiene	9.022	237	86860	48.007 ng		97
43) 2,4,6-Trichlorophenol	9.151	196	174024	45.813 ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144174.D
Acq On : 05 Nov 2025 15:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 05 17:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	186449	45.542 ng	100
46) 1,1'-Biphenyl	9.339	154	527437	44.371 ng	99
47) 2-Chloronaphthalene	9.363	162	454778	44.851 ng	99
48) 2-Nitroaniline	9.457	65	138845	47.458 ng	97
49) Acenaphthylene	9.775	152	613066	44.368 ng	99
50) Dimethylphthalate	9.633	163	497451	44.094 ng	100
51) 2,6-Dinitrotoluene	9.698	165	107091	46.892 ng	99
52) Acenaphthene	9.951	154	407187	44.067 ng	99
53) 3-Nitroaniline	9.875	138	112371	45.012 ng	99
54) 2,4-Dinitrophenol	9.981	184	56551	41.007 ng	97
55) Dibenzofuran	10.122	168	569268	43.989 ng	99
56) 4-Nitrophenol	10.033	139	78636	43.544 ng	98
57) 2,4-Dinitrotoluene	10.104	165	139501	45.629 ng	98
58) Fluorene	10.469	166	424429	43.136 ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	134554	46.453 ng	98
60) Diethylphthalate	10.333	149	457569	43.997 ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	242650	43.294 ng	96
62) 4-Nitroaniline	10.486	138	108312	45.557 ng	97
63) Azobenzene	10.616	77	423631	43.768 ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	85232	44.204 ng	98
66) n-Nitrosodiphenylamine	10.575	169	409670	44.877 ng	99
67) 4-Bromophenyl-phenylether	10.951	248	161600	44.606 ng	99
68) Hexachlorobenzene	11.016	284	193574	45.364 ng	97
69) Atrazine	11.104	200	127465	43.906 ng	99
70) Pentachlorophenol	11.210	266	96941	45.622 ng	97
71) Phenanthrene	11.433	178	633088	44.800 ng	100
72) Anthracene	11.486	178	636448	44.292 ng	99
73) Carbazole	11.639	167	540957	44.273 ng	100
74) Di-n-butylphthalate	11.969	149	650810	44.060 ng	100
75) Fluoranthene	12.627	202	645856	44.244 ng	99
77) Benzidine	12.745	184	248615	43.243 ng	99
78) Pyrene	12.857	202	666673	42.540 ng	100
80) Butylbenzylphthalate	13.469	149	242259	44.602 ng	99
81) Benzo(a)anthracene	14.051	228	626599	46.515 ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	214437	46.440 ng	97
83) Chrysene	14.086	228	565678	45.489 ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	342489	46.061 ng	99
85) Di-n-octyl phthalate	14.645	149	616644	48.068 ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	867786	45.642 ng	99
88) Benzo(b)fluoranthene	15.110	252	663728	44.079 ng	99
89) Benzo(k)fluoranthene	15.139	252	661746	46.952 ng	98
90) Benzo(a)pyrene	15.480	252	637370	45.882 ng	99
91) Dibenzo(a,h)anthracene	17.068	278	688620	45.098 ng	98
92) Benzo(g,h,i)perylene	17.509	276	680830	45.152 ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

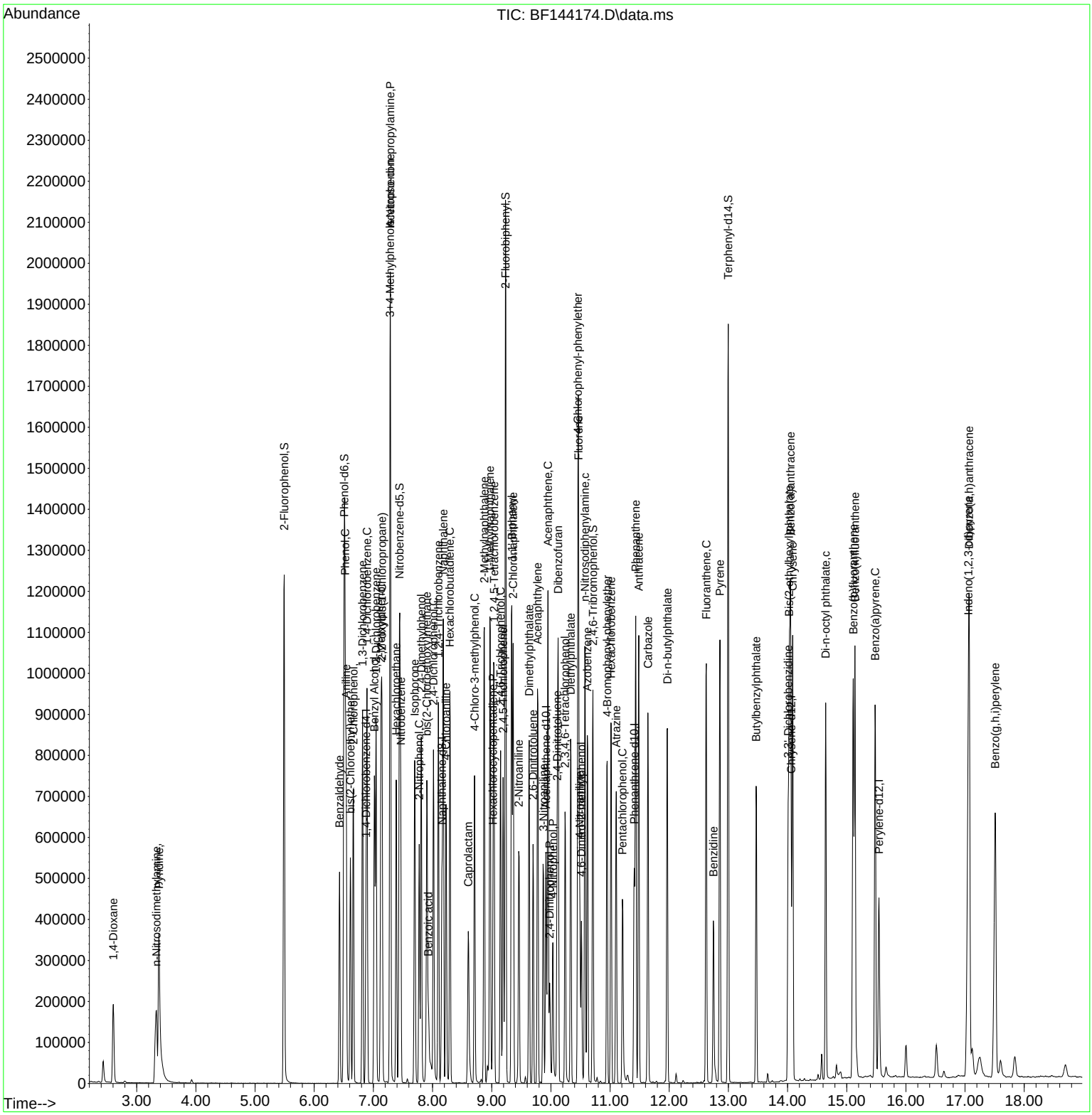
Quantitation Report (QT Reviewed)

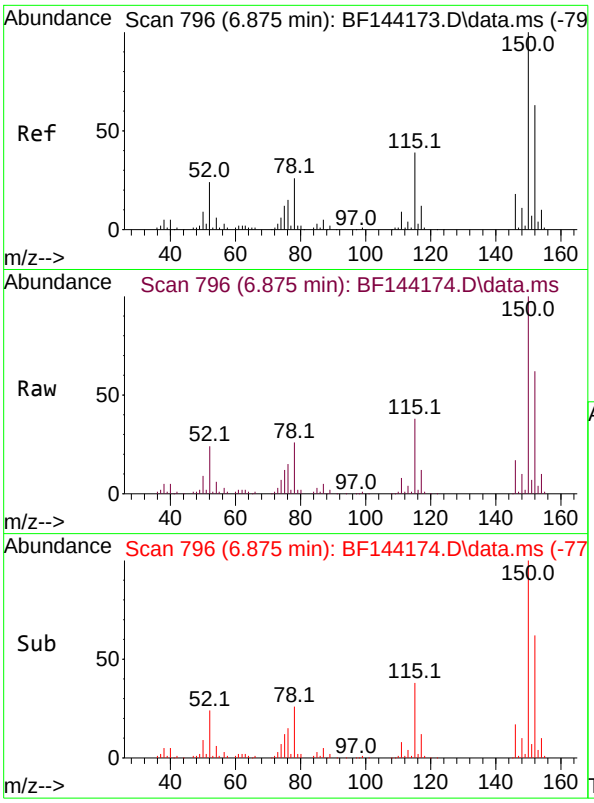
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144174.D
Acq On : 05 Nov 2025 15:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 05 17:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



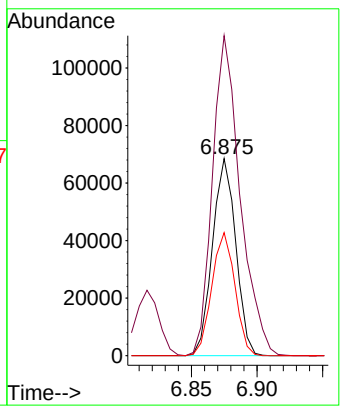


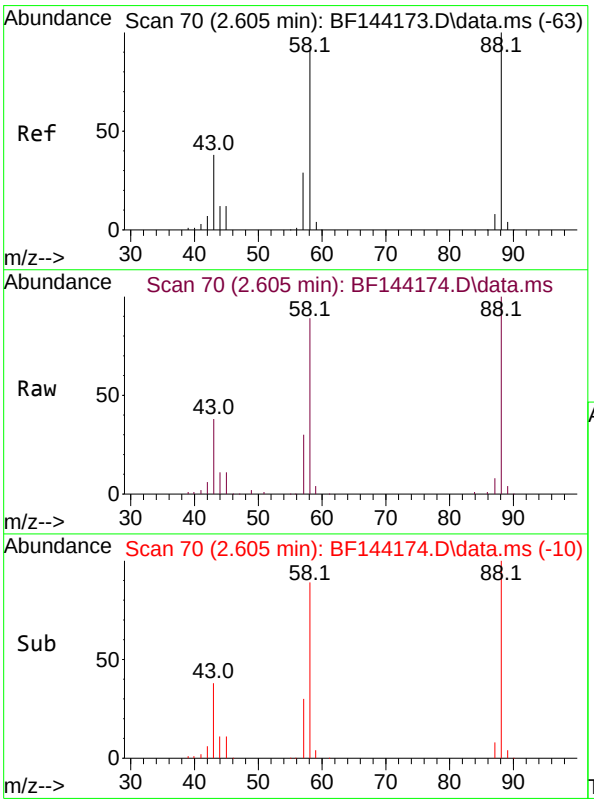
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 84549

Ion	Ratio	Lower	Upper
152	100		
150	162.4	127.4	191.0
115	62.4	49.5	74.3

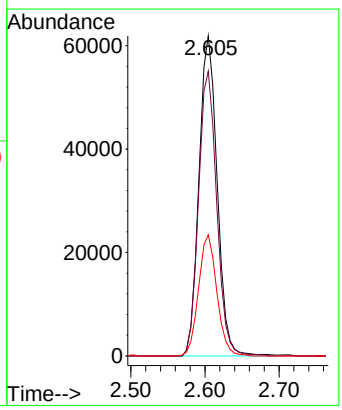


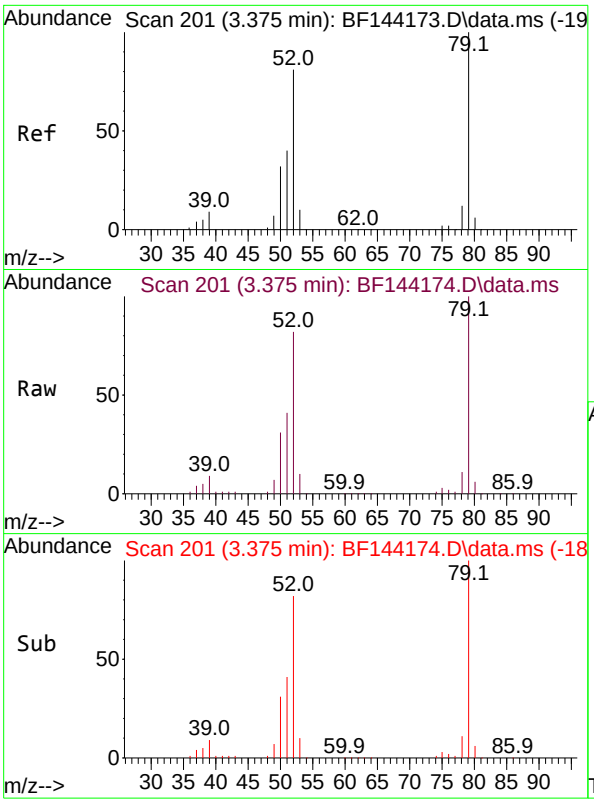


#2
1,4-Dioxane
Concen: 47.358 ng
RT: 2.605 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 88 Resp: 105785

Ion	Ratio	Lower	Upper
88	100		
58	88.5	73.1	109.7
43	38.0	31.0	46.6



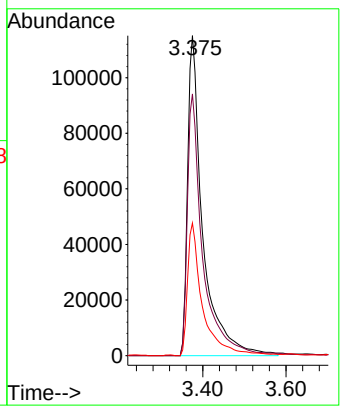


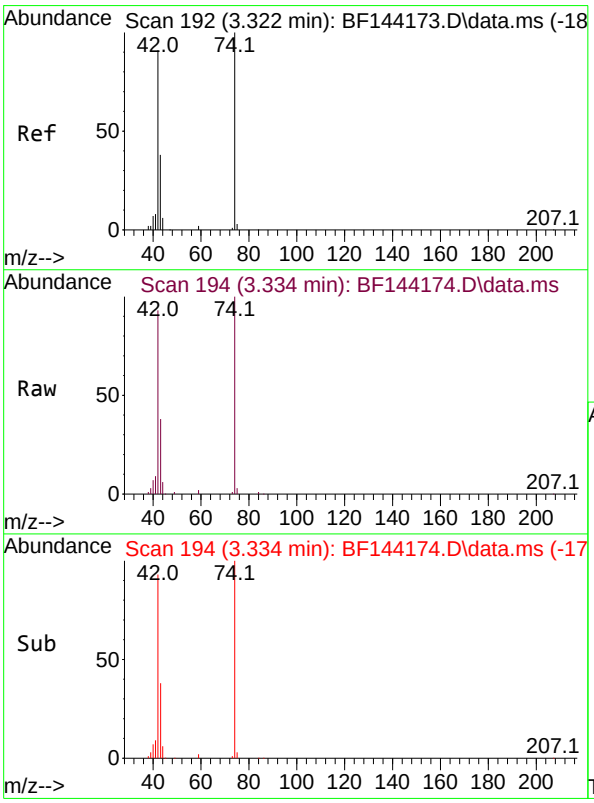
#3
Pyridine
Concen: 46.746 ng
RT: 3.375 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 291313

Ion	Ratio	Lower	Upper
79	100		
52	81.8	64.5	96.7
51	41.4	31.7	47.5

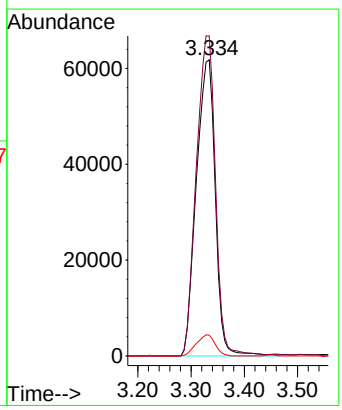


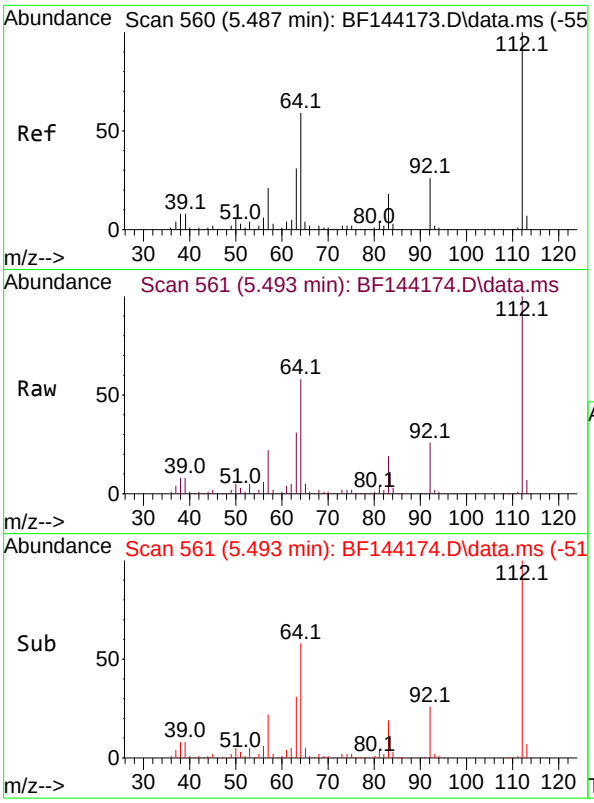


#4
n-Nitrosodimethylamine
Concen: 46.930 ng
RT: 3.334 min Scan# 194
Delta R.T. -0.012 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 42 Resp: 152767

Ion	Ratio	Lower	Upper
42	100		
74	108.1	88.2	132.4
44	7.0	5.7	8.5



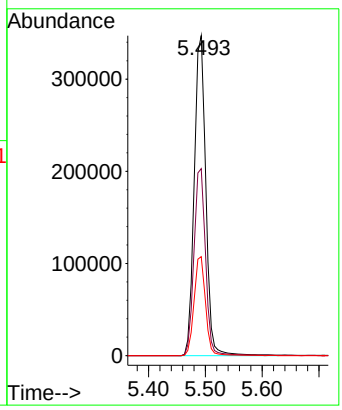


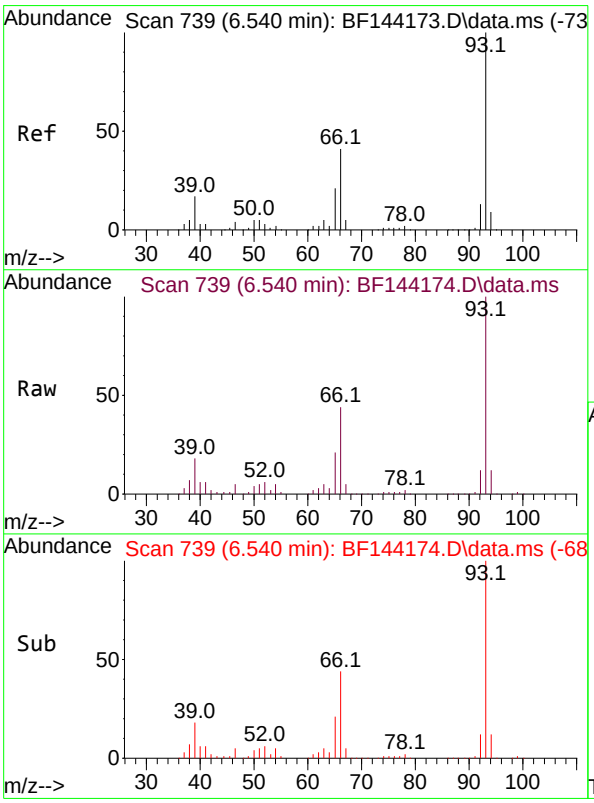
#5
2-Fluorophenol
Concen: 90.538 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 489170

Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.2	70.8
63	30.9	24.4	36.6

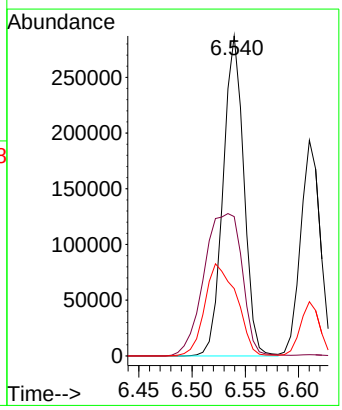


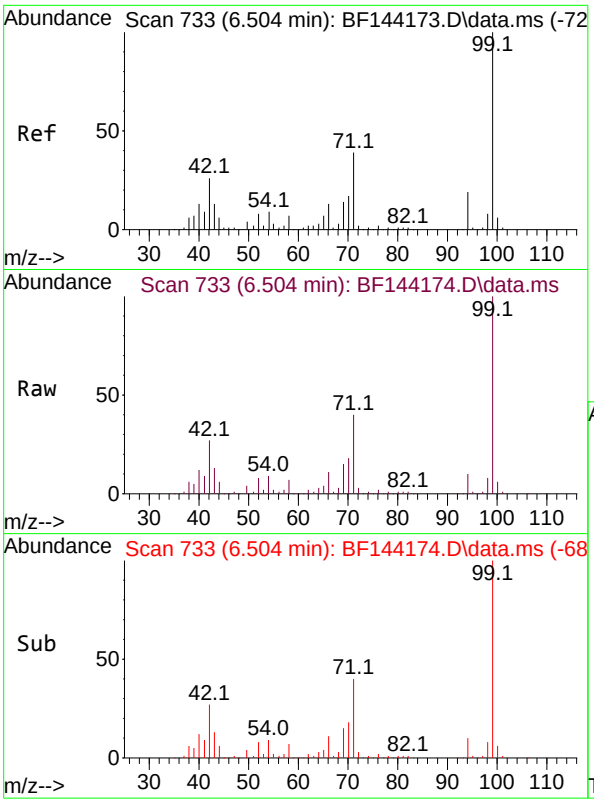


#6
Aniline
Concen: 44.605 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 93 Resp: 389058

Ion	Ratio	Lower	Upper
93	100		
66	43.5	34.3	51.5
65	21.0	16.9	25.3



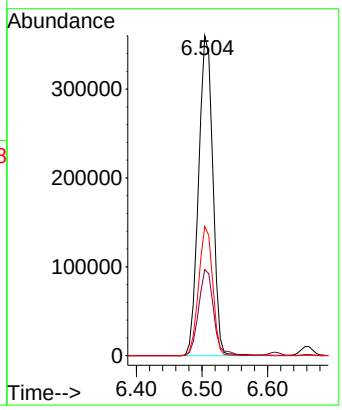


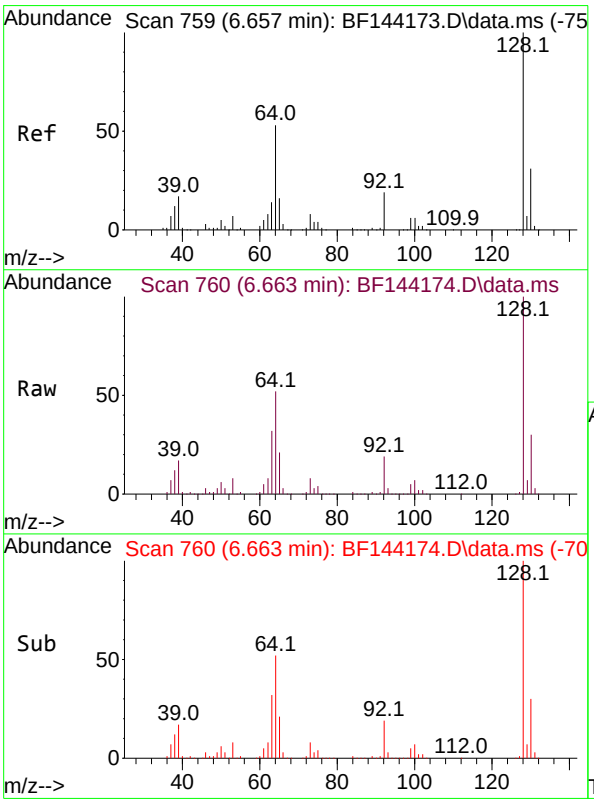
#7
Phenol-d6
Concen: 88.447 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 541465

Ion	Ratio	Lower	Upper
99	100		
42	26.9	20.9	31.3
71	40.4	31.4	47.2

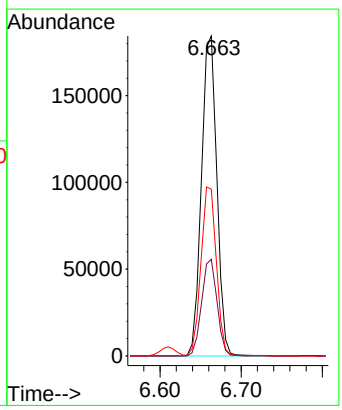


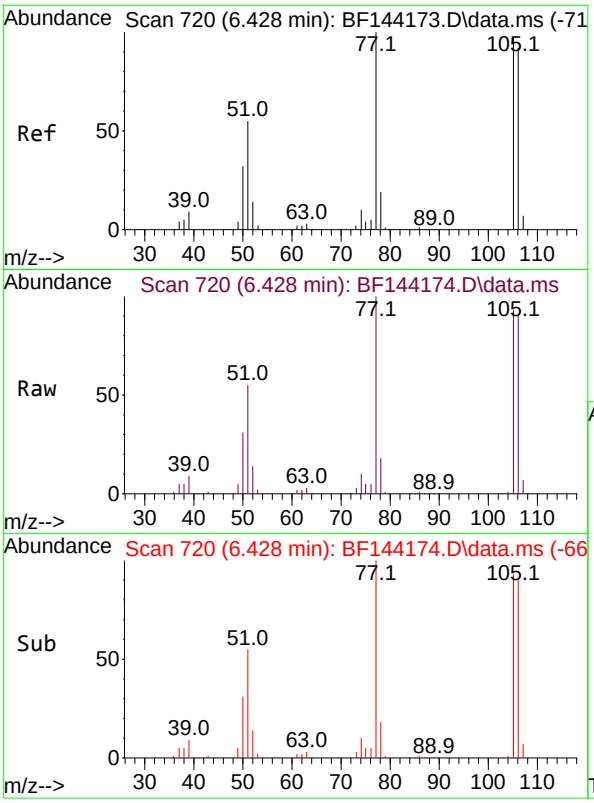


#8
2-Chlorophenol
Concen: 45.950 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:128 Resp: 243472

Ion	Ratio	Lower	Upper
128	100		
130	30.2	10.5	50.5
64	52.1	33.2	73.2



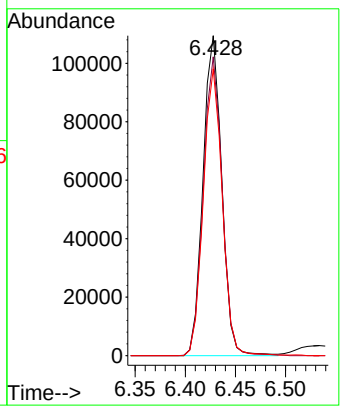


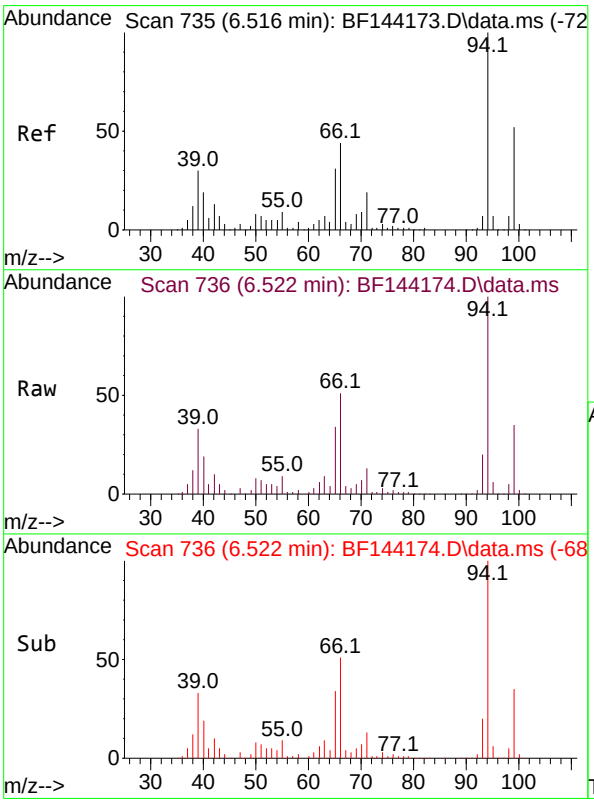
#9
Benzaldehyde
Concen: 41.062 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 141949

Ion	Ratio	Lower	Upper
77	100		
105	93.4	77.2	117.2
106	89.6	72.2	112.2

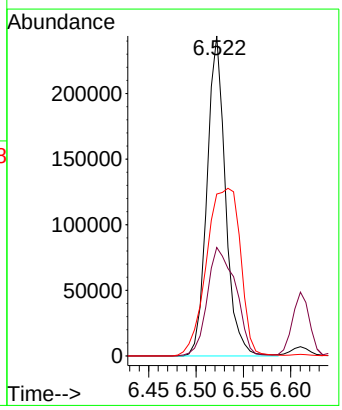


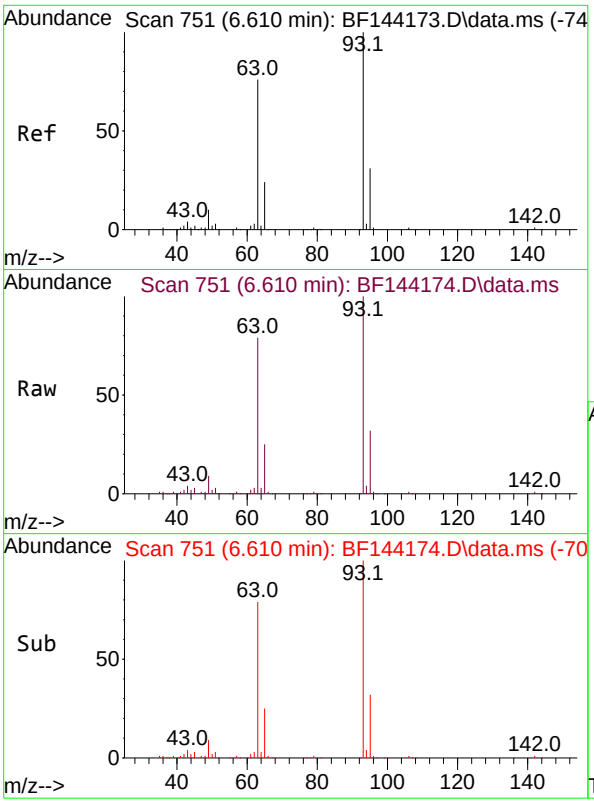


#10
Phenol
Concen: 44.146 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 94 Resp: 330203

Ion	Ratio	Lower	Upper
94	100		
65	33.9	10.8	50.8
66	50.6	24.3	64.3



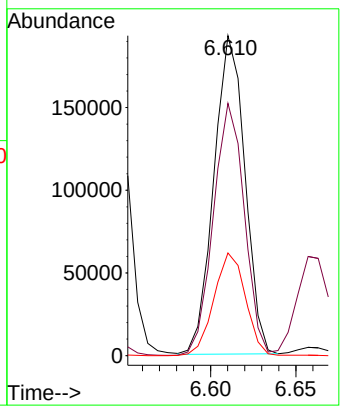


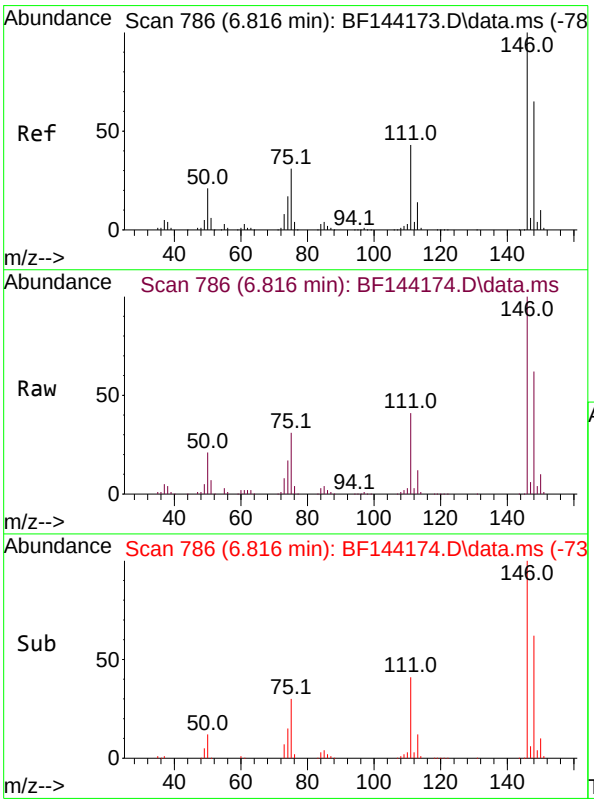
#11
bis(2-Chloroethyl)ether
Concen: 44.798 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 244159

Ion	Ratio	Lower	Upper
93	100		
63	78.8	55.2	95.2
95	32.1	11.2	51.2

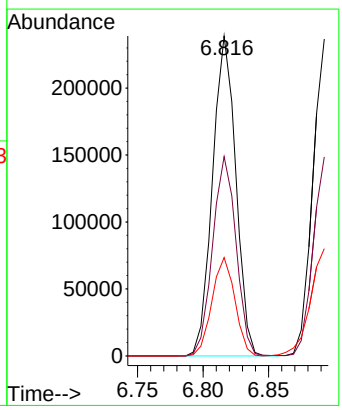


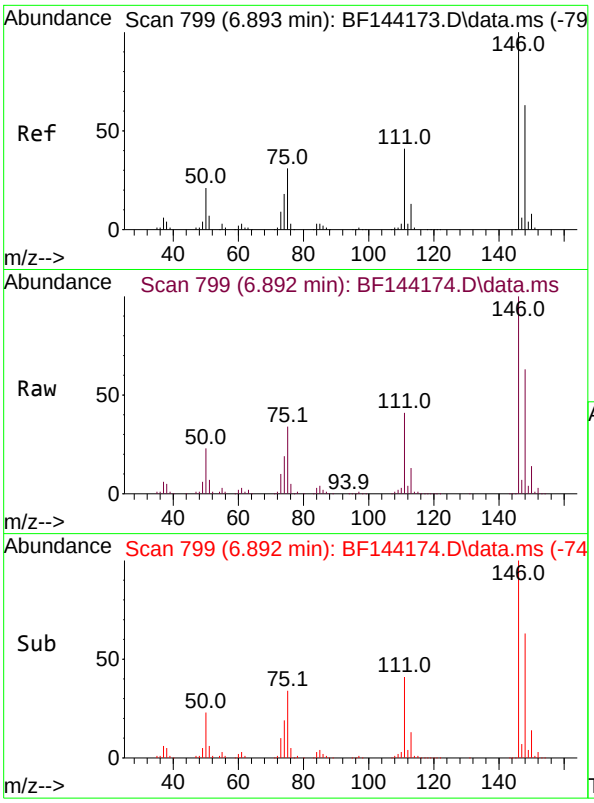


#12
1,3-Dichlorobenzene
Concen: 45.164 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:146 Resp: 295294

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.8	77.8
75	30.7	25.0	37.4



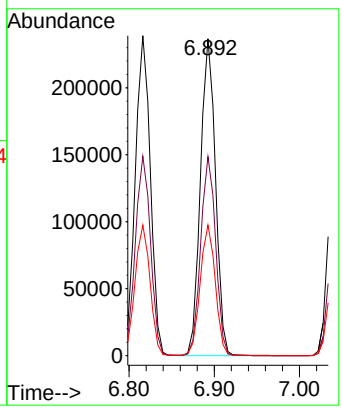


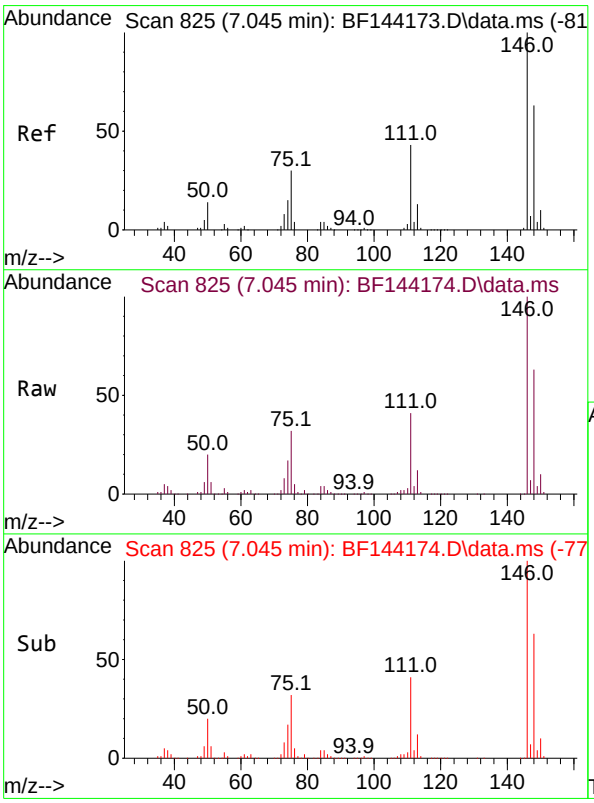
#13
1,4-Dichlorobenzene
Concen: 44.277 ng
RT: 6.892 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 290027

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.2	75.2
111	41.2	32.6	48.8

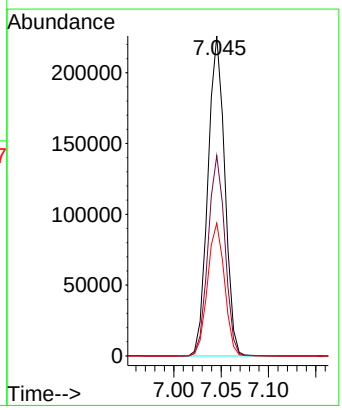


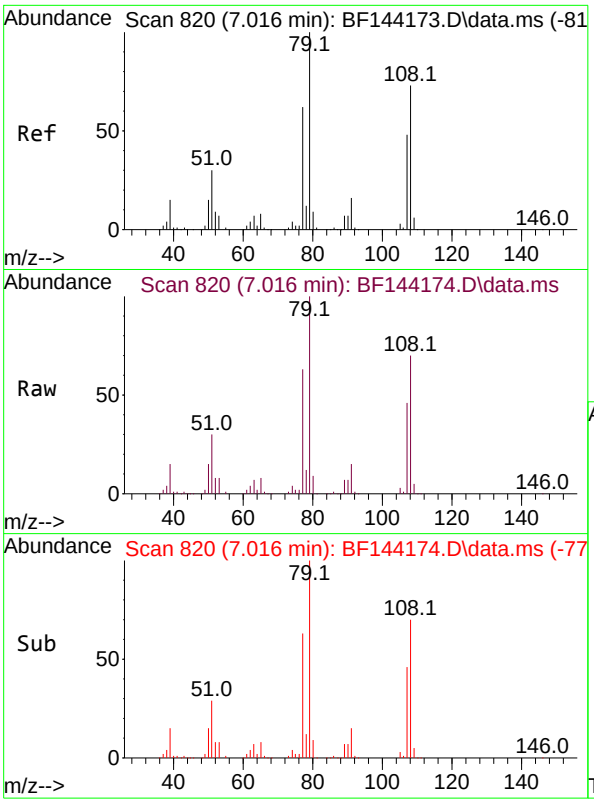


#14
1,2-Dichlorobenzene
Concen: 44.609 ng
RT: 7.045 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:146 Resp: 280070

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.7	76.1
111	41.5	34.2	51.4



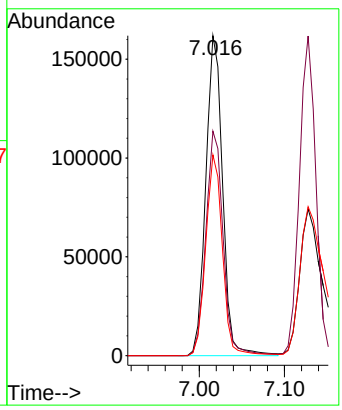


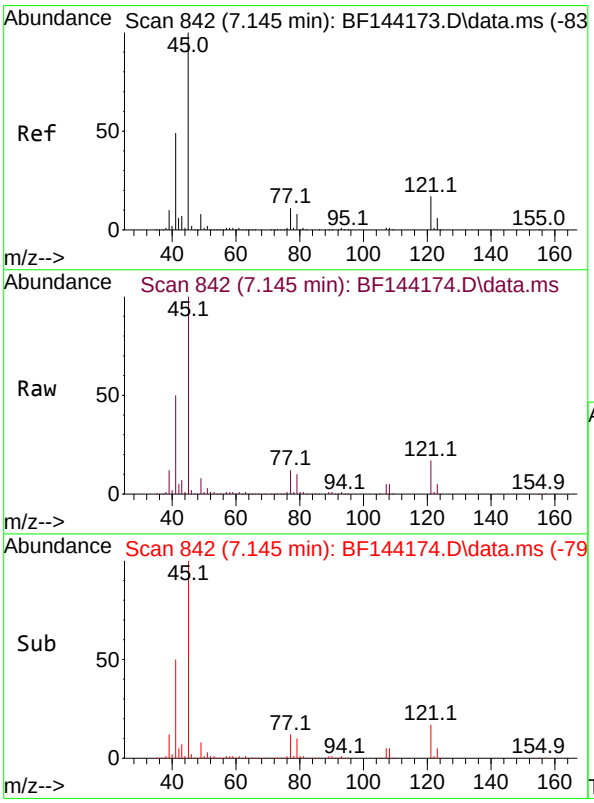
#15
Benzyl Alcohol
Concen: 45.762 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 221836

Ion	Ratio	Lower	Upper
79	100		
108	70.1	58.2	87.4
77	62.7	49.9	74.9

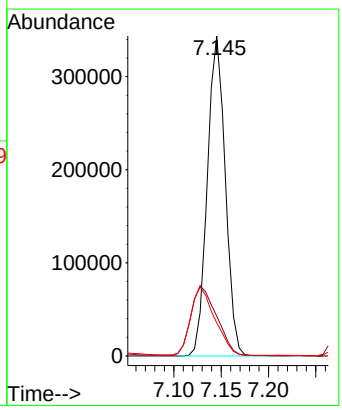


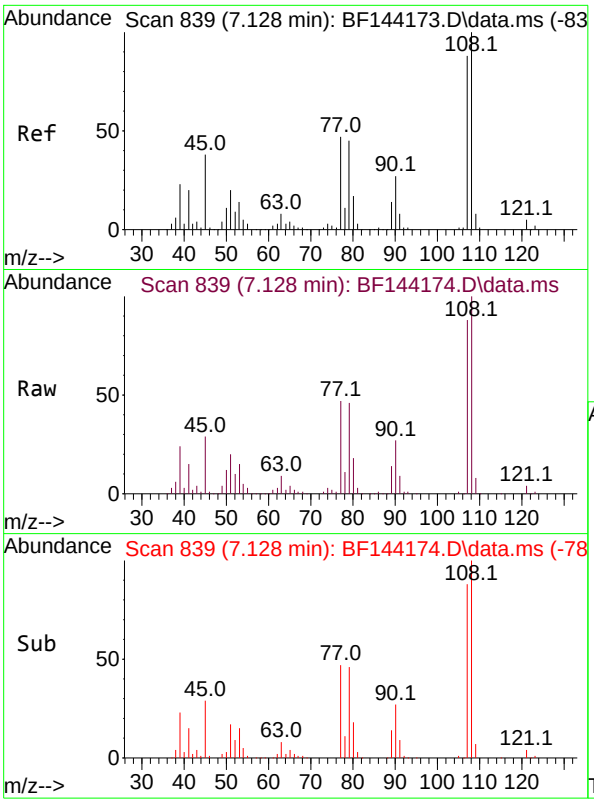


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.212 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 45 Resp: 453774

Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	31.8
79	10.3	0.0	29.1



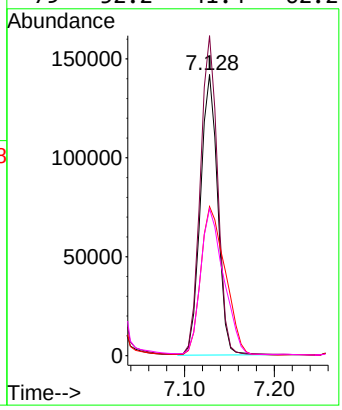


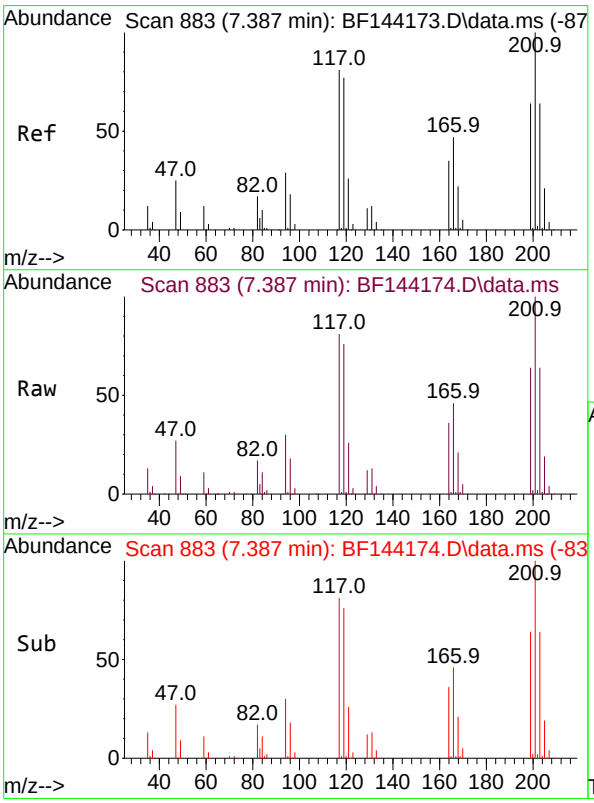
#17
2-Methylphenol
Concen: 44.899 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 189260

Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.0	136.4
77	53.1	42.7	64.1
79	52.2	41.4	62.2

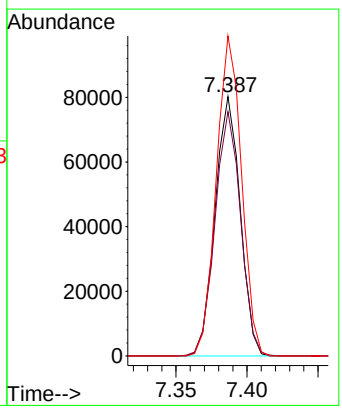


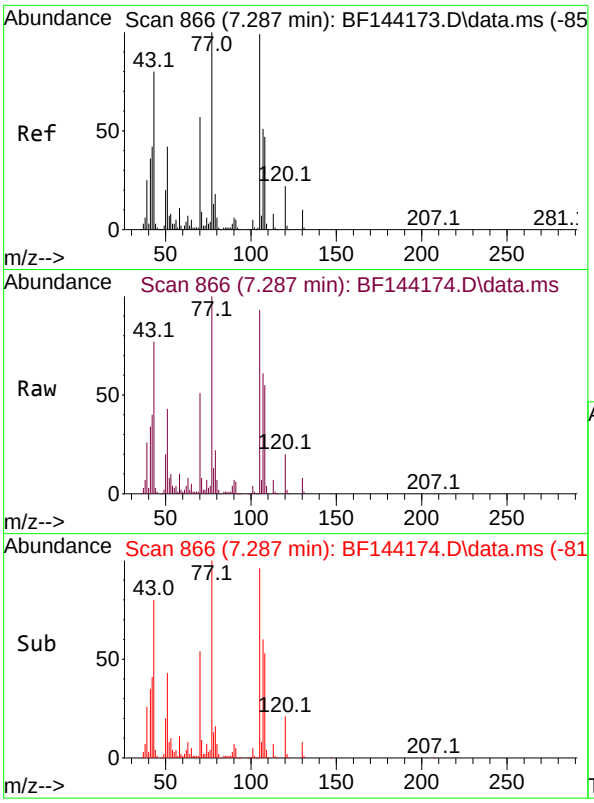


#18
Hexachloroethane
Concen: 45.346 ng
RT: 7.387 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:117 Resp: 98682

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.8	113.8
201	123.4	98.9	148.3



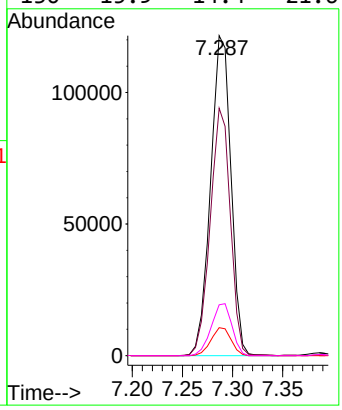


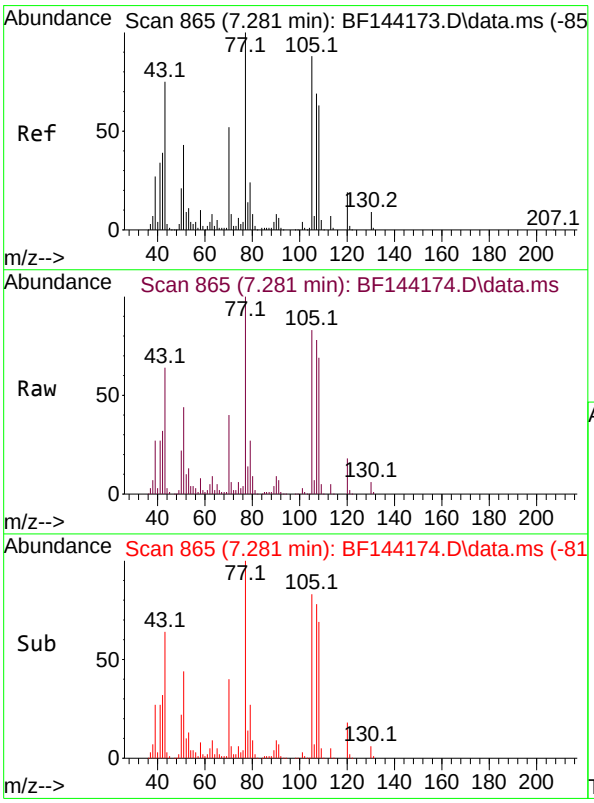
#19
n-Nitroso-di-n-propylamine
Concen: 42.657 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 171911

Ion	Ratio	Lower	Upper
70	100		
42	77.3	58.3	87.5
101	8.7	7.0	10.6
130	15.9	14.4	21.6

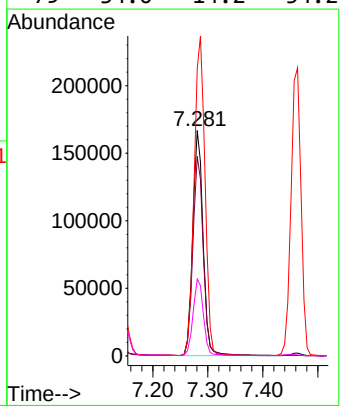


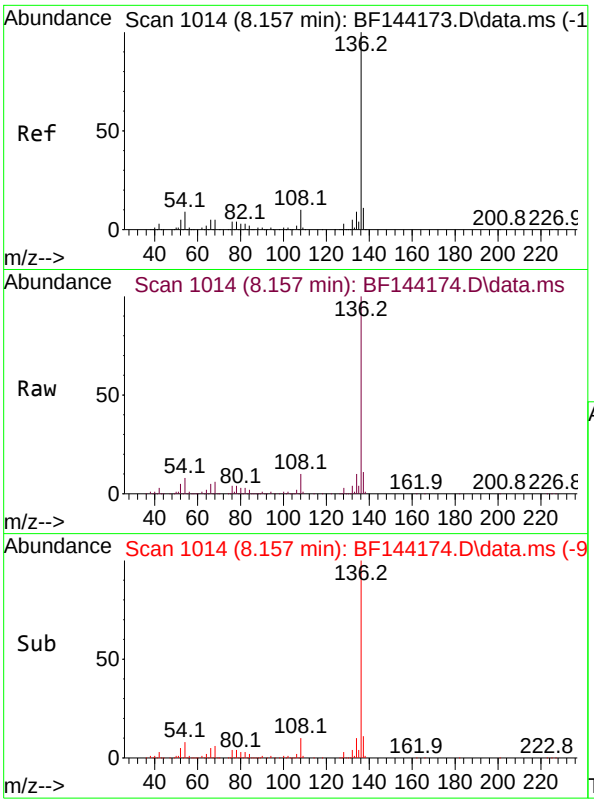


#20
3+4-Methylphenols
Concen: 43.819 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:107 Resp: 217734

Ion	Ratio	Lower	Upper
107	100		
108	88.5	70.2	110.2
77	127.5	123.9	163.9
79	34.0	14.2	54.2



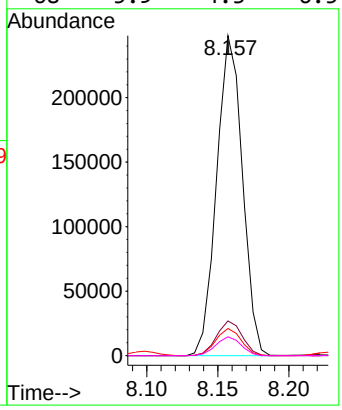


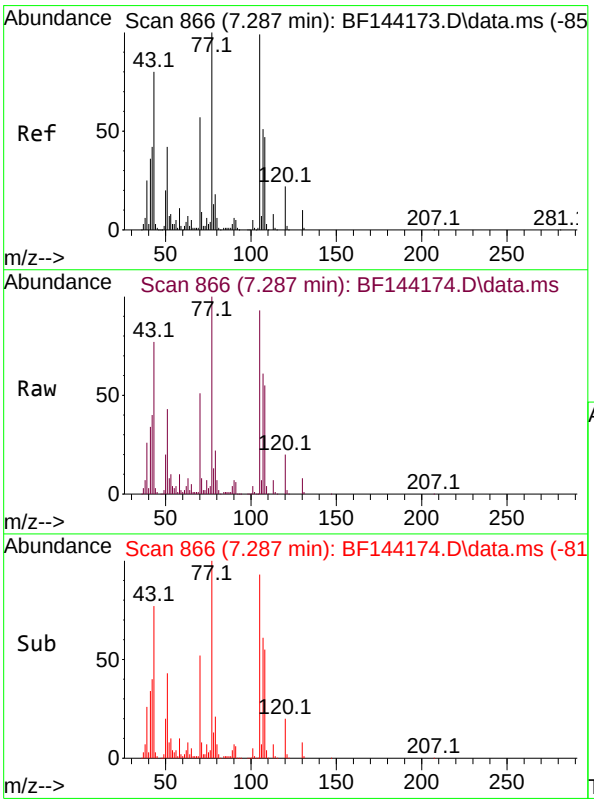
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 313425

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.5	7.0	10.6
68	5.9	4.3	6.5

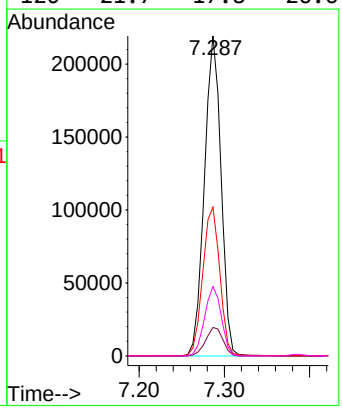


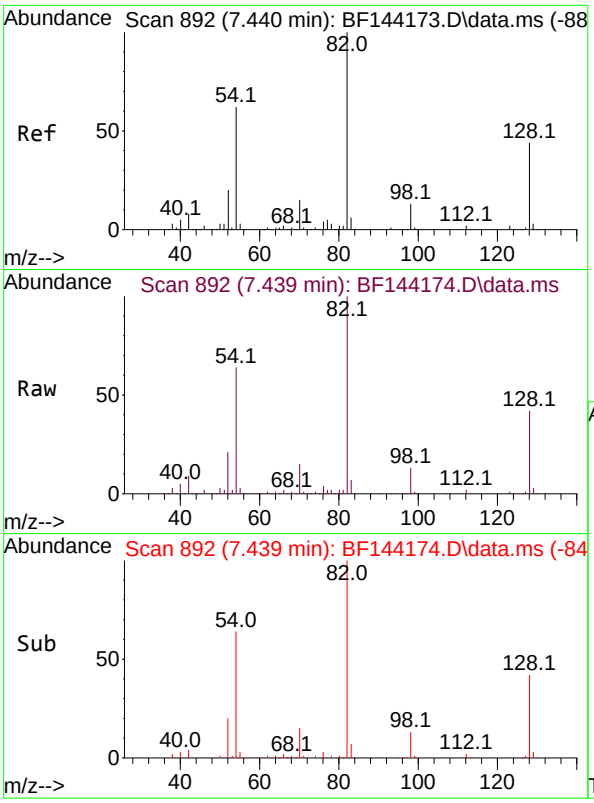


#22
Acetophenone
Concen: 44.230 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:105 Resp: 297391

Ion	Ratio	Lower	Upper
105	100		
71	8.9	7.2	10.8
51	46.5	34.0	51.0
120	21.7	17.8	26.6



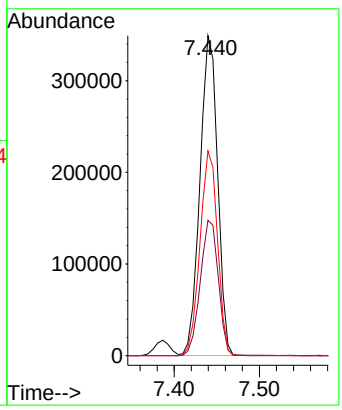


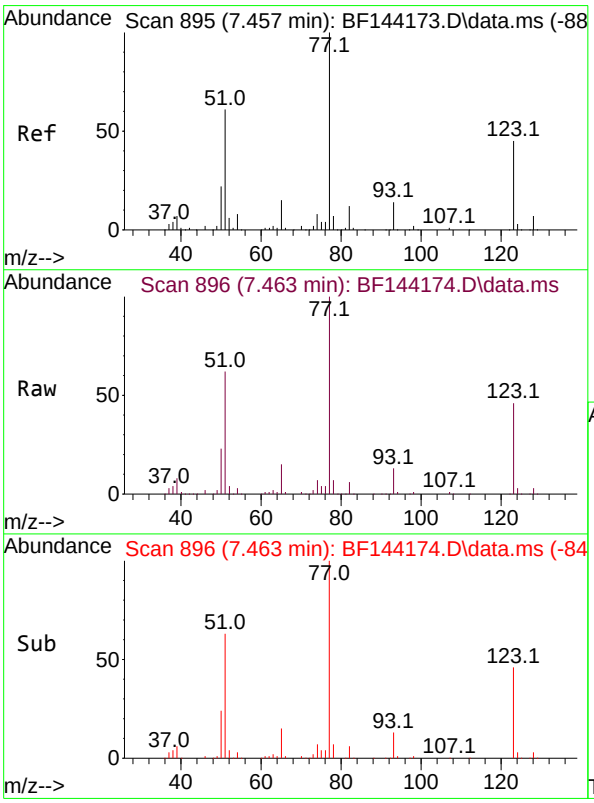
#23
Nitrobenzene-d5
Concen: 92.595 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 502493

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.7	52.1
54	64.0	49.5	74.3

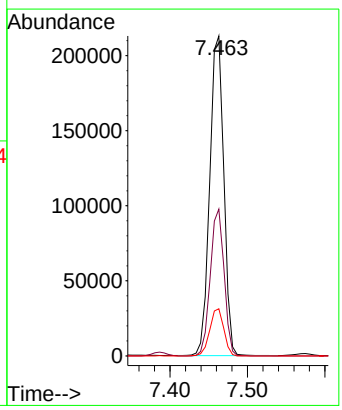


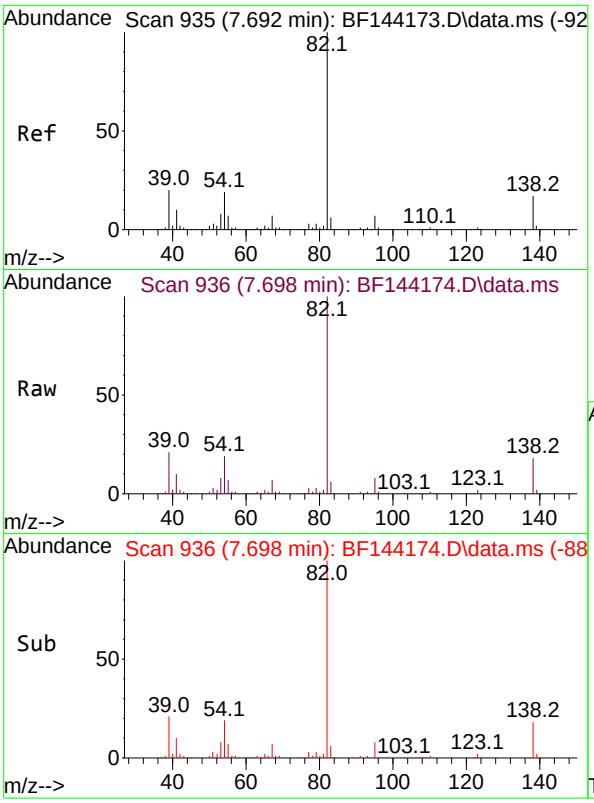


#24
Nitrobenzene
Concen: 45.541 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 77 Resp: 268336

Ion	Ratio	Lower	Upper
77	100		
123	45.9	35.8	53.8
65	14.7	12.2	18.2



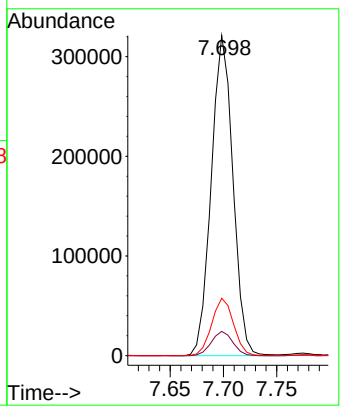


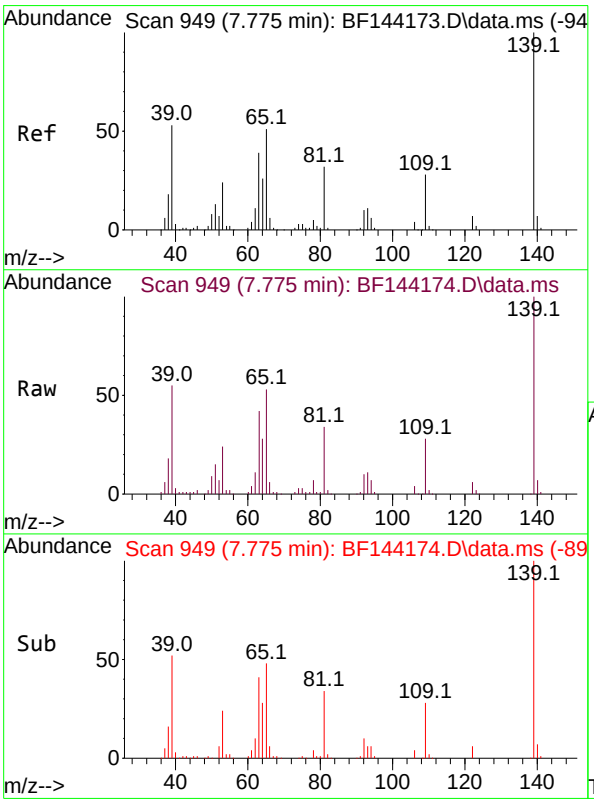
#25
Isophorone
Concen: 44.376 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 455511

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.5	8.3
138	17.9	13.7	20.5

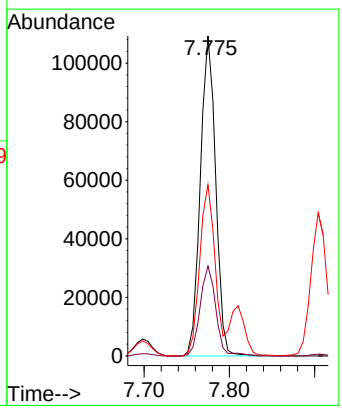


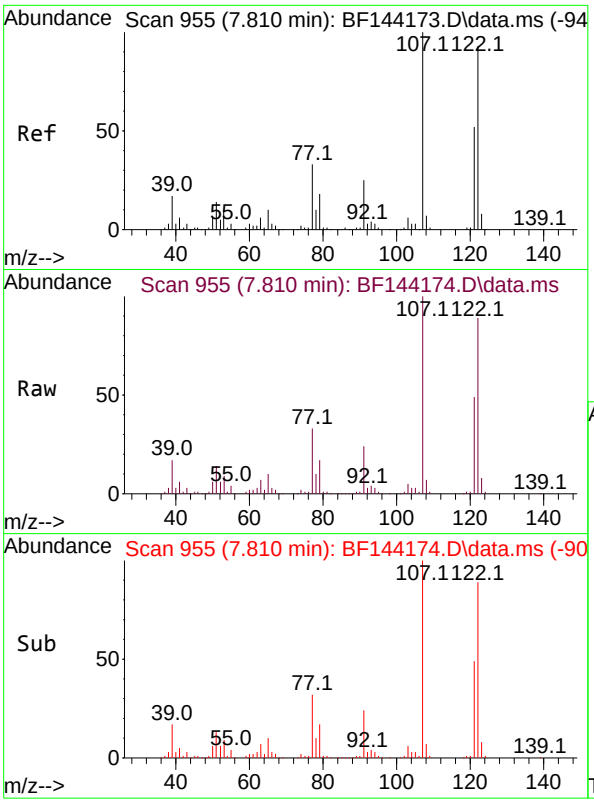


#26
2-Nitrophenol
Concen: 46.747 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:139 Resp: 136351

Ion	Ratio	Lower	Upper
139	100		
109	28.1	22.2	33.2
65	53.5	40.7	61.1



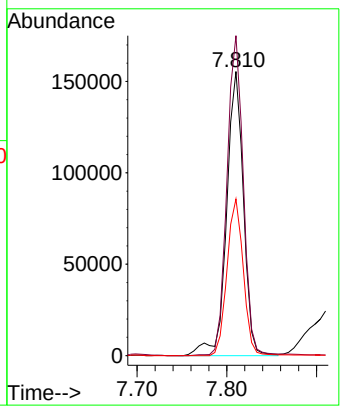


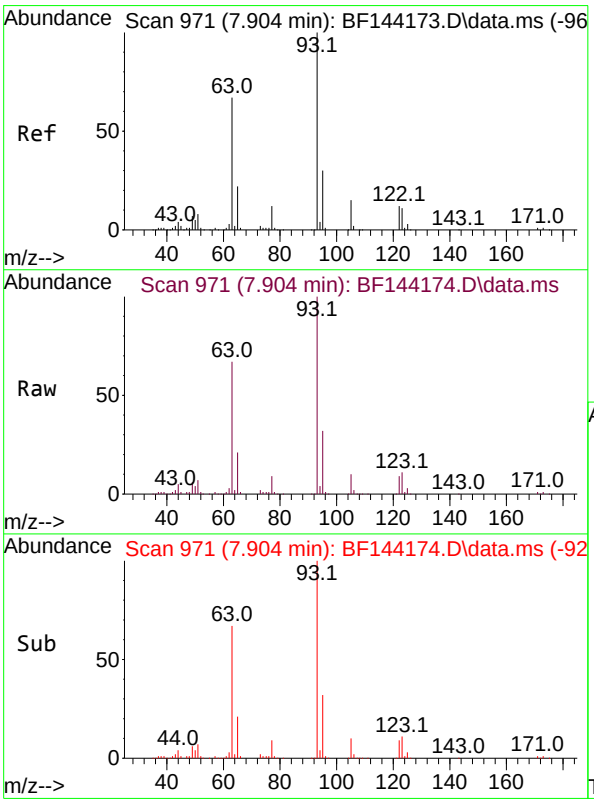
#27
2,4-Dimethylphenol
Concen: 46.681 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 204079

Ion	Ratio	Lower	Upper
122	100		
107	112.6	86.2	129.4
121	55.1	44.6	66.8

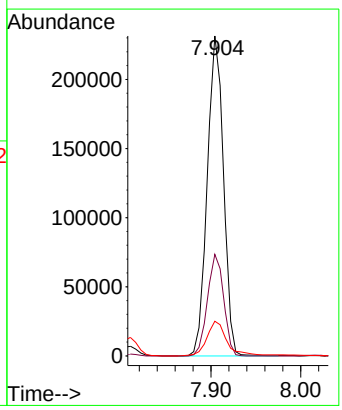


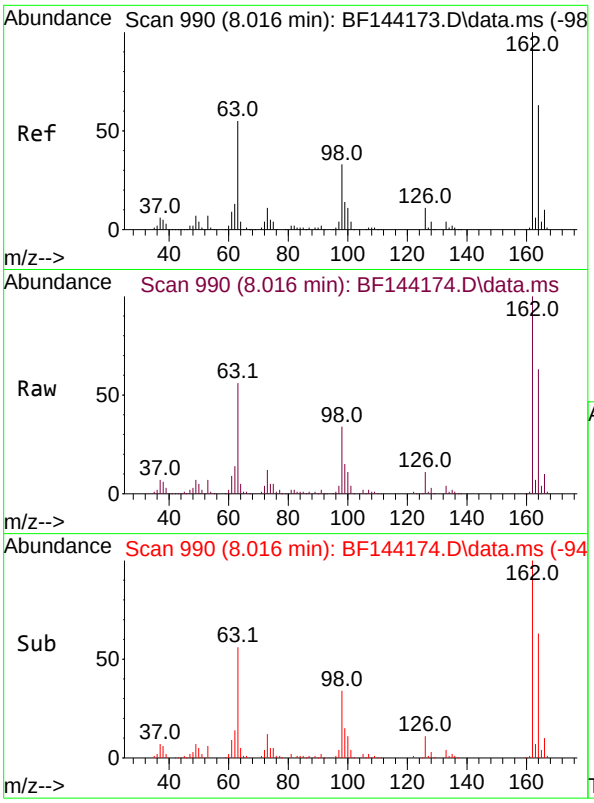


#28
bis(2-Chloroethoxy)methane
Concen: 45.429 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 93 Resp: 291202

Ion	Ratio	Lower	Upper
93	100		
95	31.7	24.2	36.4
123	10.8	9.0	13.4



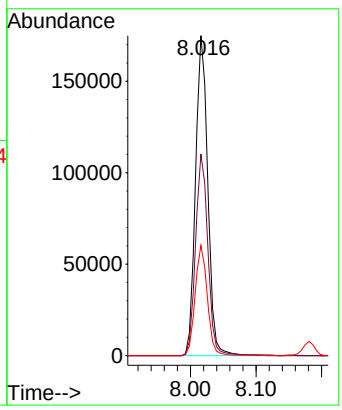


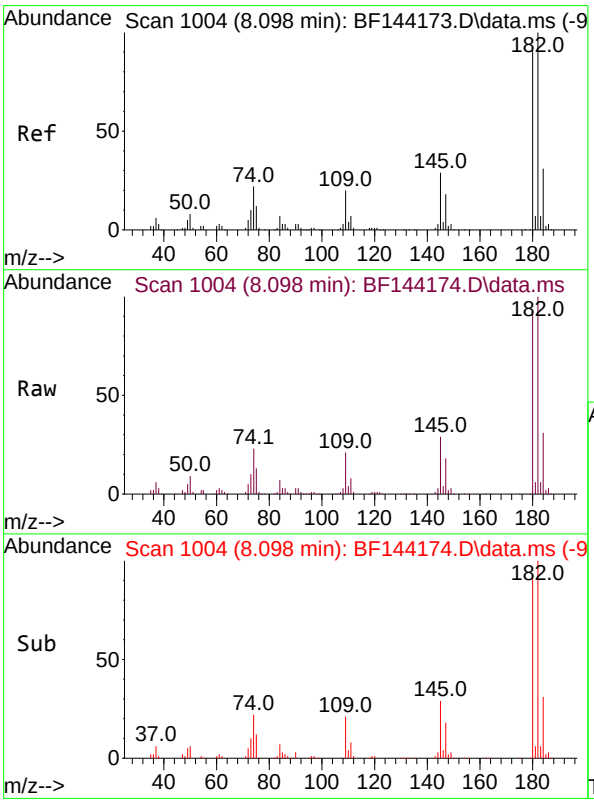
#29
2,4-Dichlorophenol
Concen: 45.001 ng
RT: 8.016 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 226748

Ion	Ratio	Lower	Upper
162	100		
164	63.0	42.9	82.9
98	34.4	13.3	53.3

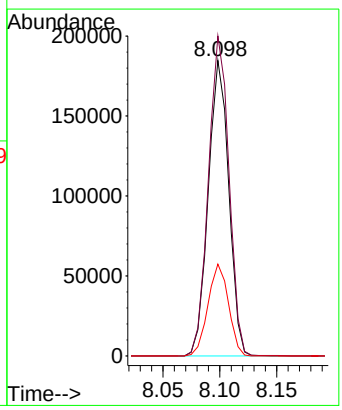


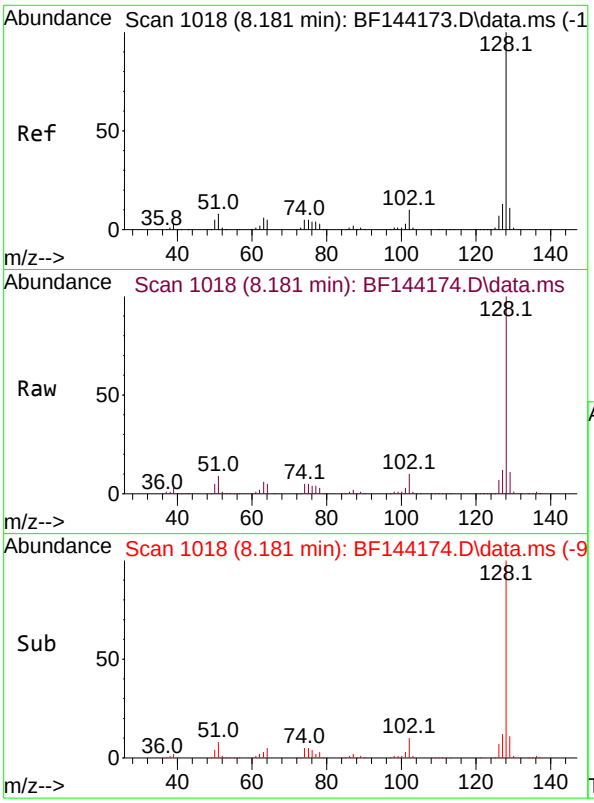


#30
1,2,4-Trichlorobenzene
Concen: 44.838 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:180 Resp: 231992

Ion	Ratio	Lower	Upper
180	100		
182	108.3	87.7	131.5
145	31.1	25.4	38.0



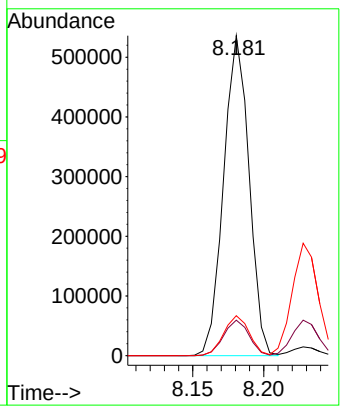


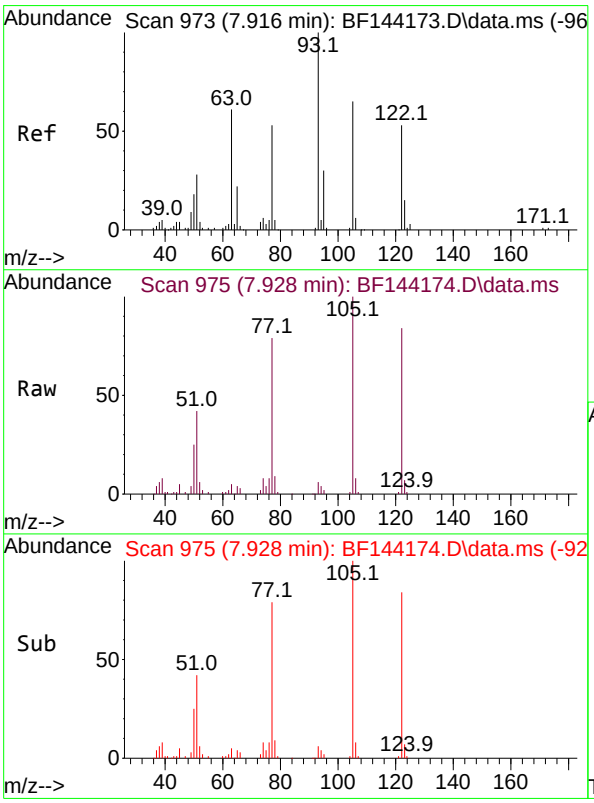
#31
Naphthalene
Concen: 44.658 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 665821

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.5	10.3	15.5

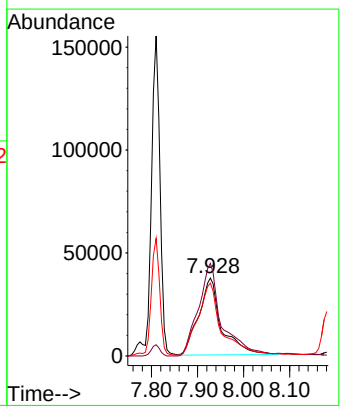


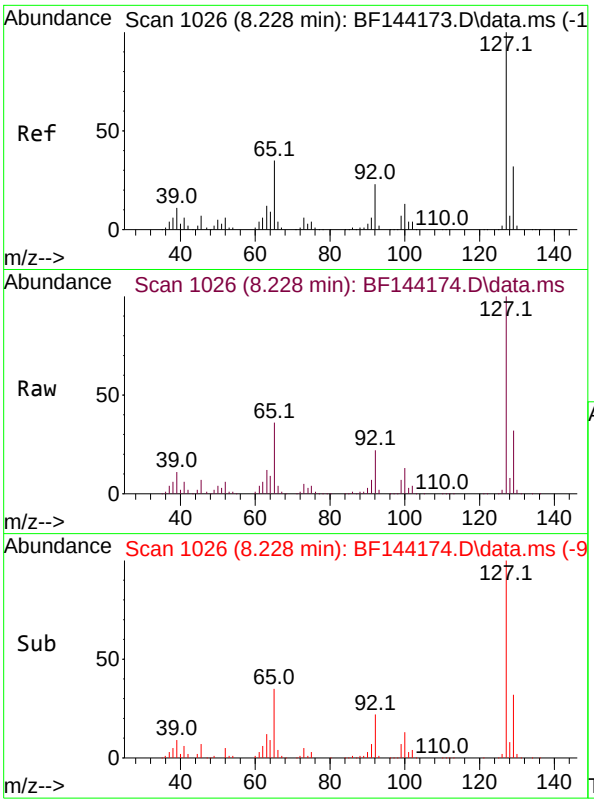


#32
Benzoic acid
Concen: 40.359 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.023 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:122 Resp: 129332

Ion	Ratio	Lower	Upper
122	100		
105	118.8	99.9	139.9
77	93.6	77.5	117.5



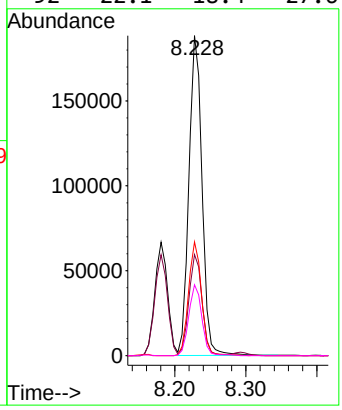


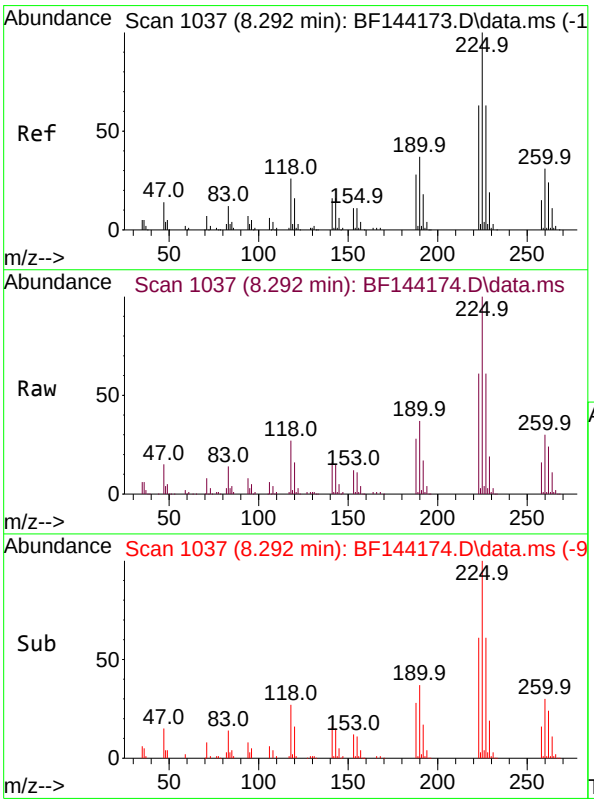
#33
4-Chloroaniline
Concen: 44.496 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 241956

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.3	37.9
65	35.5	27.6	41.4
92	22.1	18.4	27.6

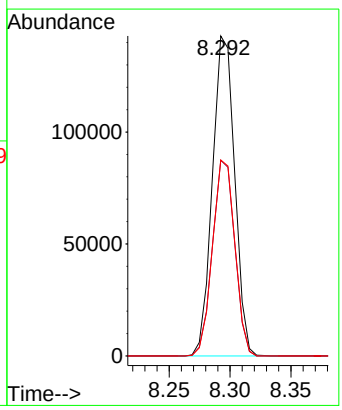


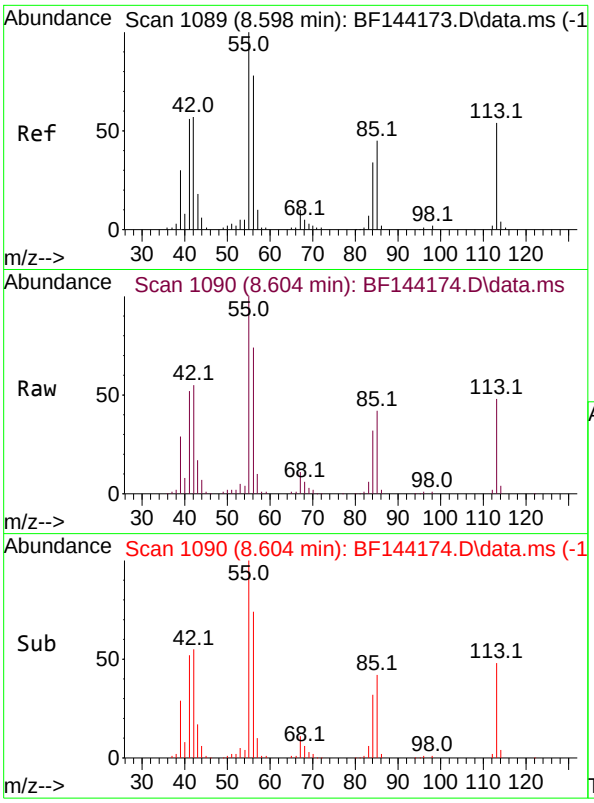


#34
Hexachlorobutadiene
Concen: 46.562 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:225 Resp: 181564

Ion	Ratio	Lower	Upper
225	100		
223	61.1	50.2	75.4
227	61.2	50.1	75.1



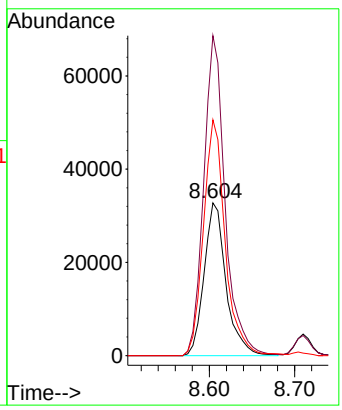


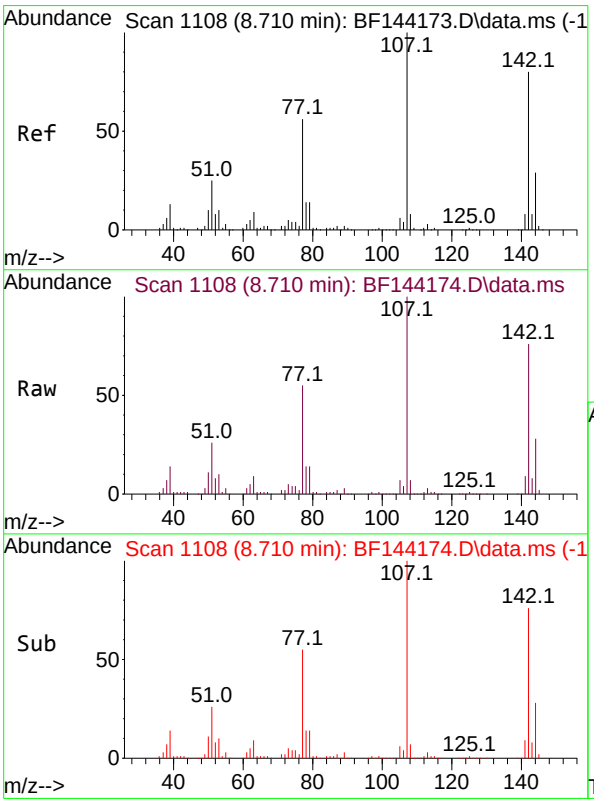
#35
Caprolactam
Concen: 42.327 ng
RT: 8.604 min Scan# 1(
Delta R.T. -0.018 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 58430

Ion	Ratio	Lower	Upper
113	100		
55	209.4	166.8	206.8#
56	154.3	125.9	165.9

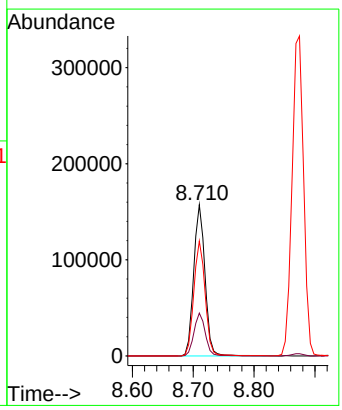


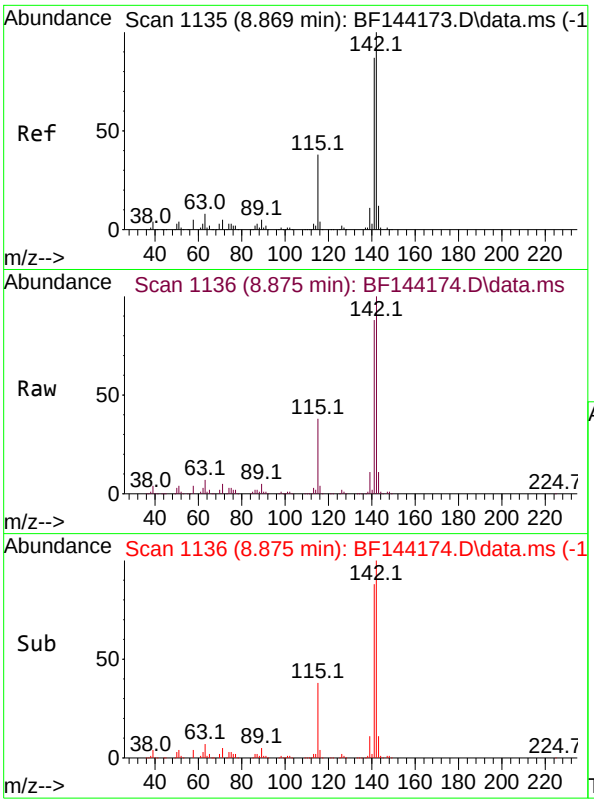


#36
4-Chloro-3-methylphenol
Concen: 44.930 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:107 Resp: 202891

Ion	Ratio	Lower	Upper
107	100		
144	28.3	23.3	34.9
142	75.9	63.8	95.6



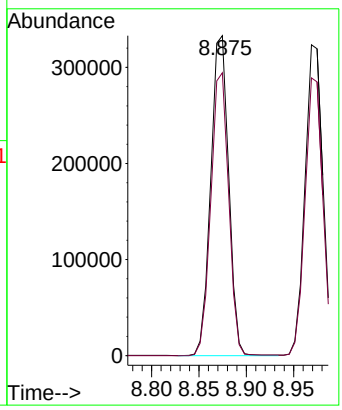


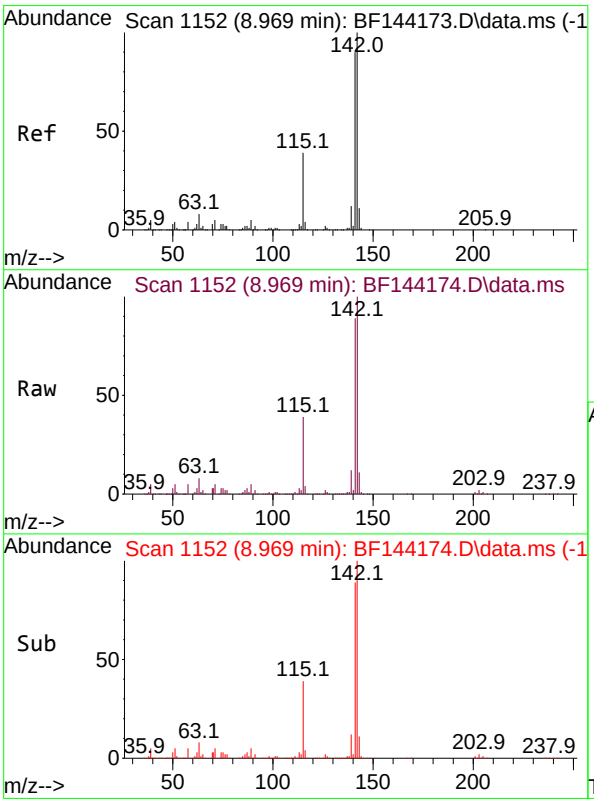
#37
2-Methylnaphthalene
Concen: 43.979 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 438395

Ion	Ratio	Lower	Upper
142	100		
141	88.4	69.9	104.9

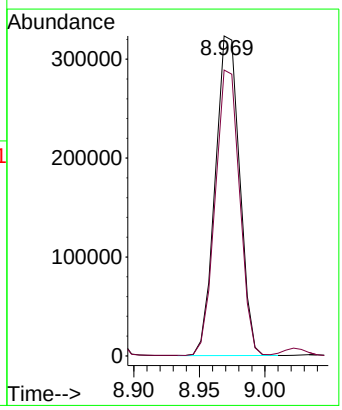


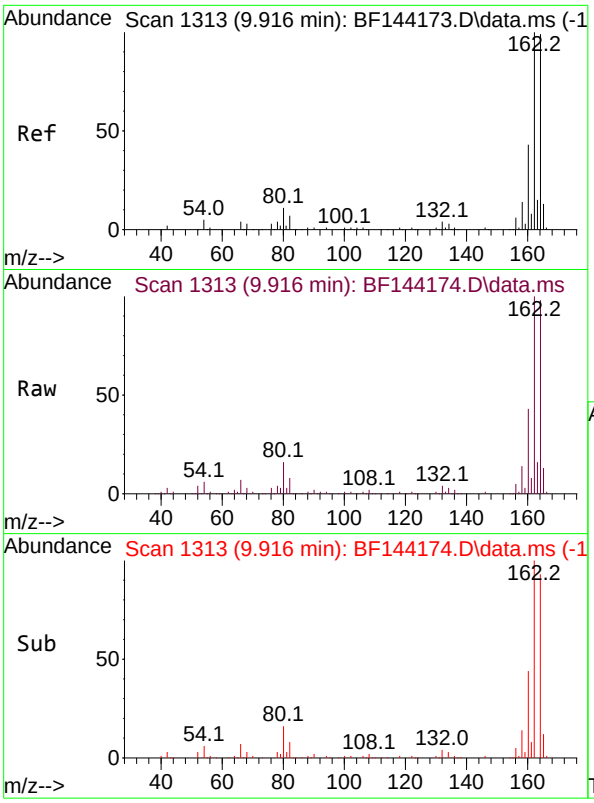


#38
1-Methylnaphthalene
Concen: 43.644 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:142 Resp: 419784

Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.1	108.1



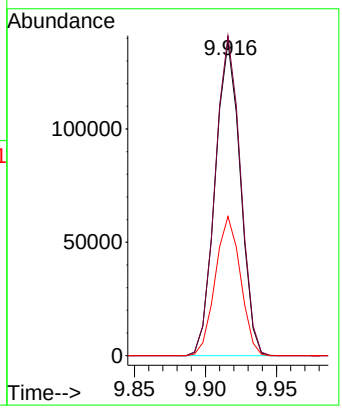


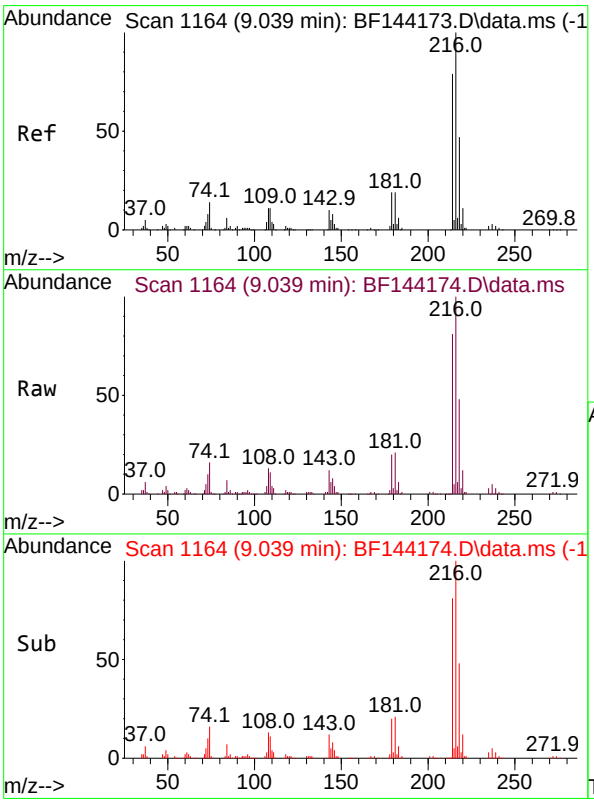
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 170294

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.1	121.7
160	44.4	34.5	51.7

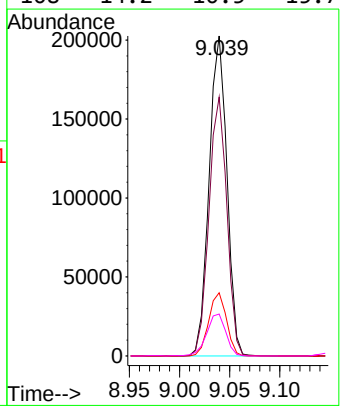


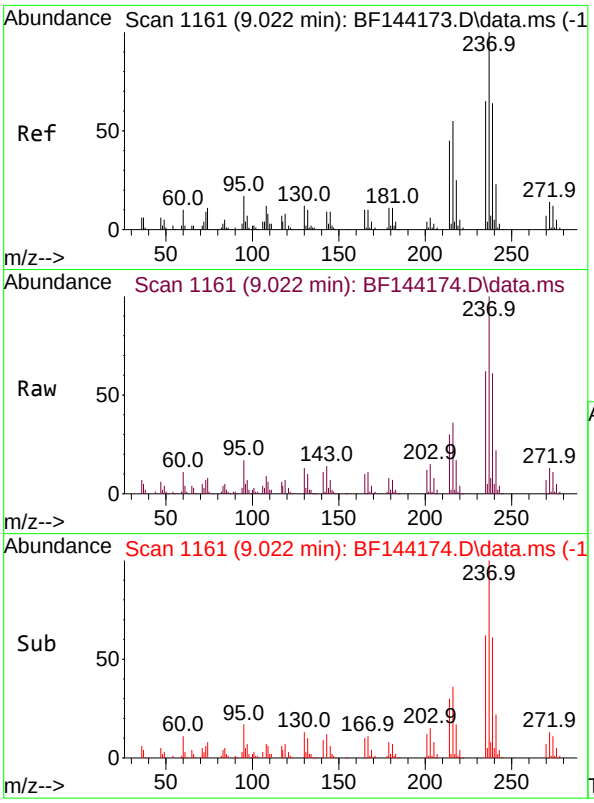


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.832 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:216 Resp: 250210

Ion	Ratio	Lower	Upper
216	100		
214	81.3	63.4	95.2
179	19.6	15.0	22.4
108	14.2	10.5	15.7



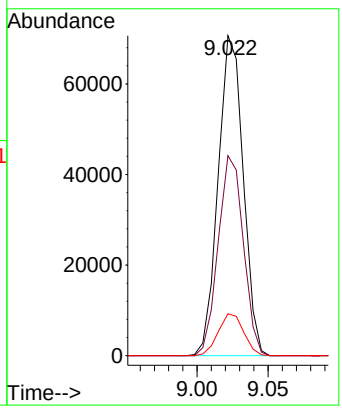


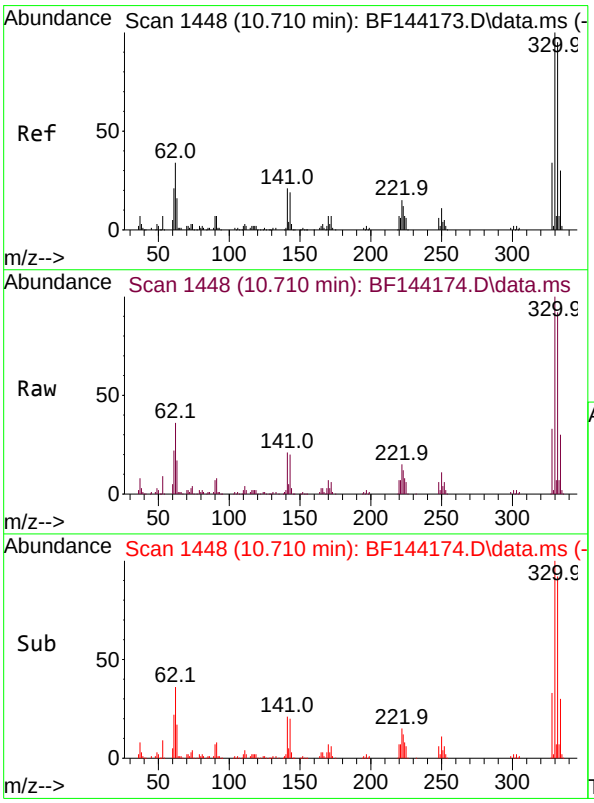
#41
Hexachlorocyclopentadiene
Concen: 48.007 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 86860

Ion	Ratio	Lower	Upper
237	100		
235	62.5	45.5	85.5
272	13.1	0.0	33.5

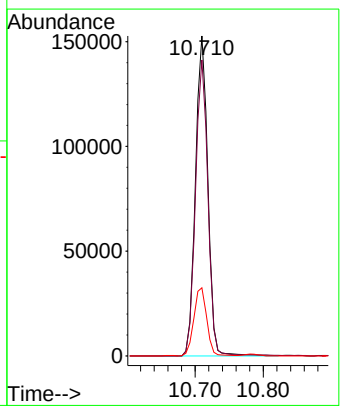


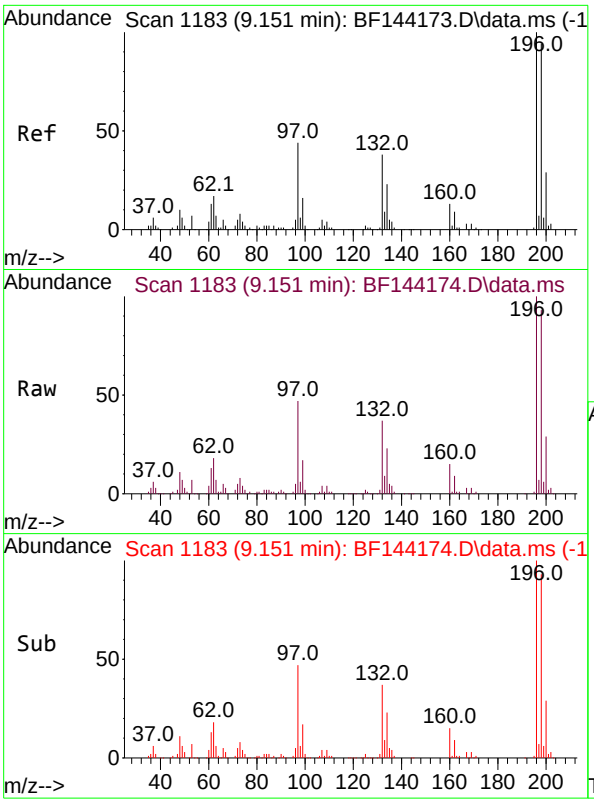


#42
2,4,6-Tribromophenol
Concen: 90.275 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:330 Resp: 192917

Ion	Ratio	Lower	Upper
330	100		
332	93.0	76.7	115.1
141	22.2	17.8	26.8



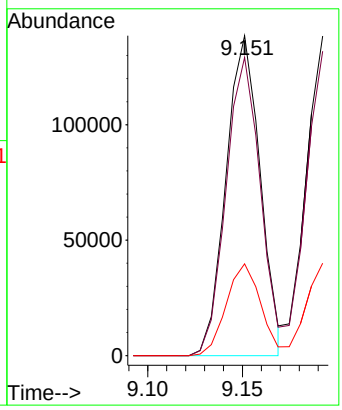


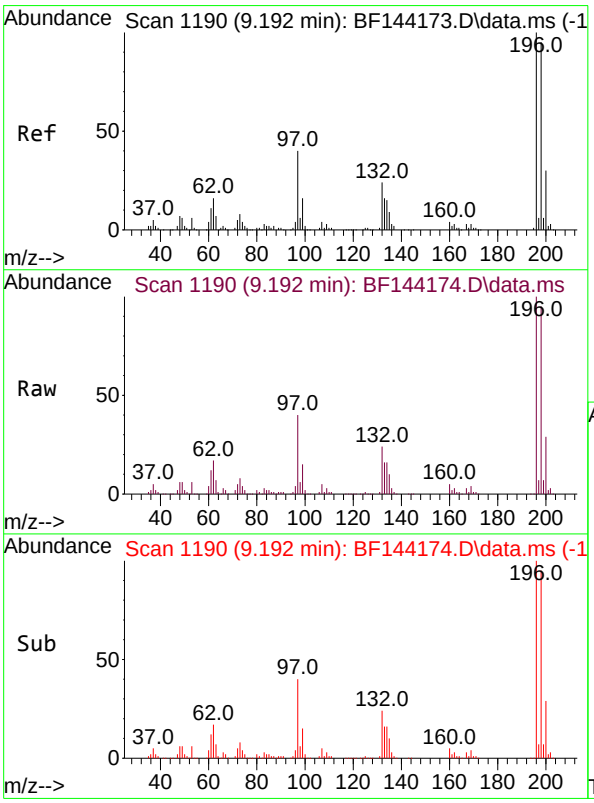
#43
2,4,6-Trichlorophenol
Concen: 45.813 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 174024

Ion	Ratio	Lower	Upper
196	100		
198	93.2	75.3	112.9
200	28.7	23.4	35.2

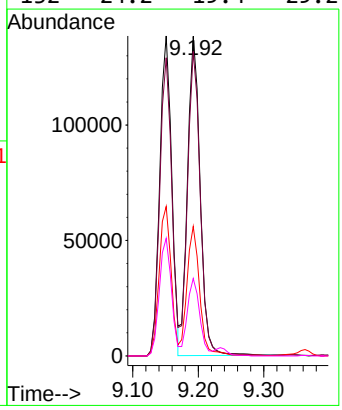


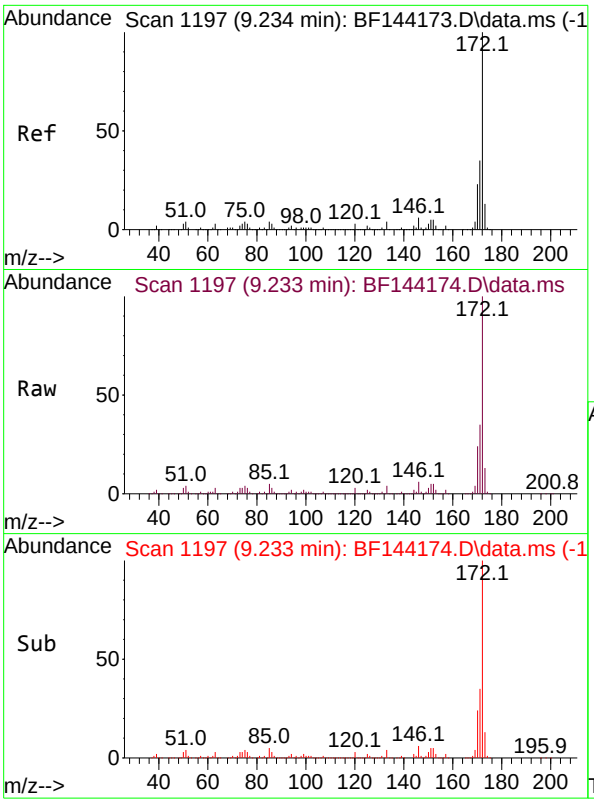


#44
2,4,5-Trichlorophenol
Concen: 45.542 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:196 Resp: 186449

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.1	114.1
97	40.5	31.9	47.9
132	24.2	19.4	29.2



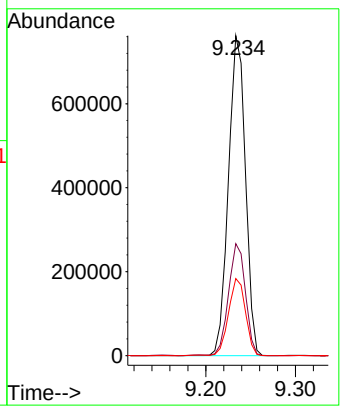


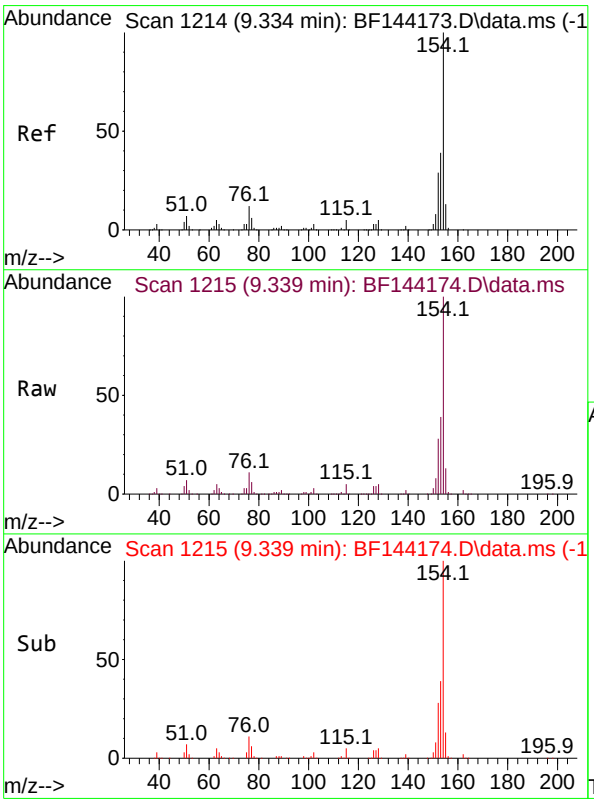
#45
2-Fluorobiphenyl
Concen: 86.941 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1002454

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	24.1	18.6	28.0

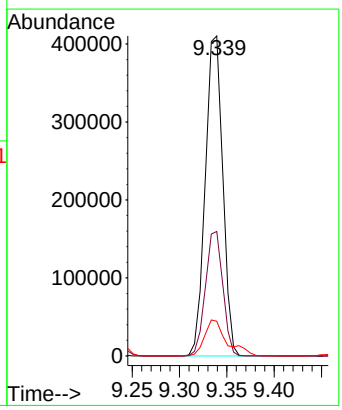


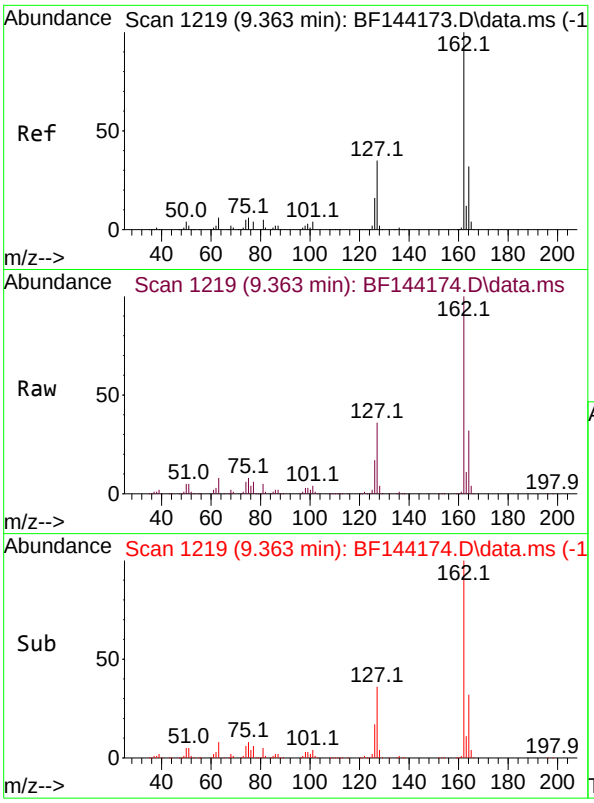


#46
1,1'-Biphenyl
Concen: 44.371 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:154 Resp: 527437

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.2	59.2
76	10.9	0.0	31.8



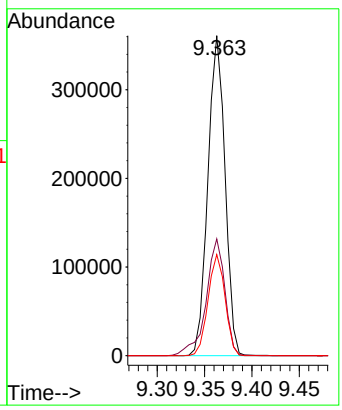


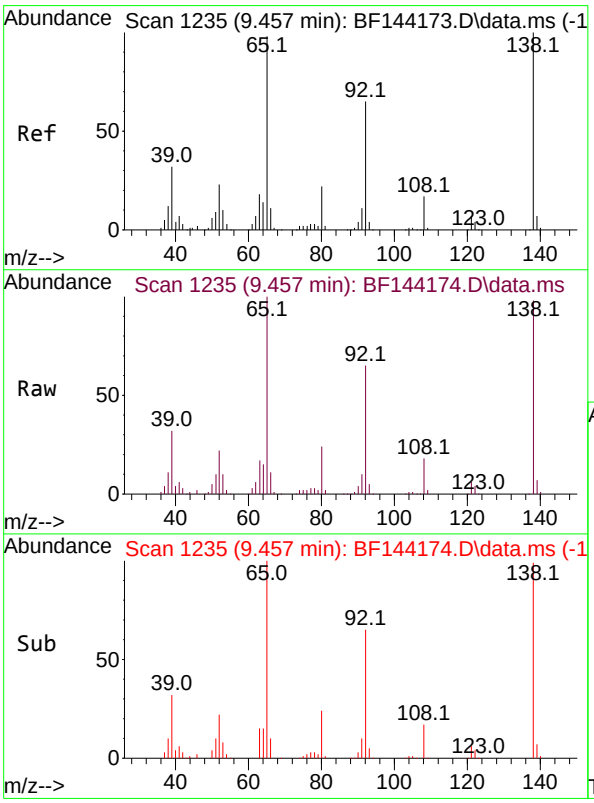
#47
2-Chloronaphthalene
Concen: 44.851 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 454778

Ion	Ratio	Lower	Upper
162	100		
127	36.5	28.8	43.2
164	31.6	25.8	38.8

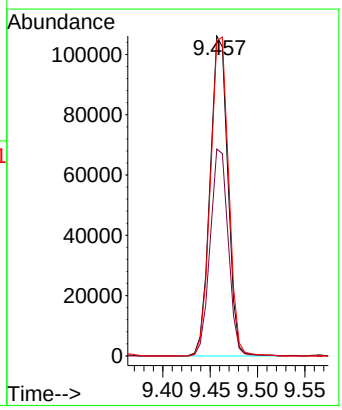


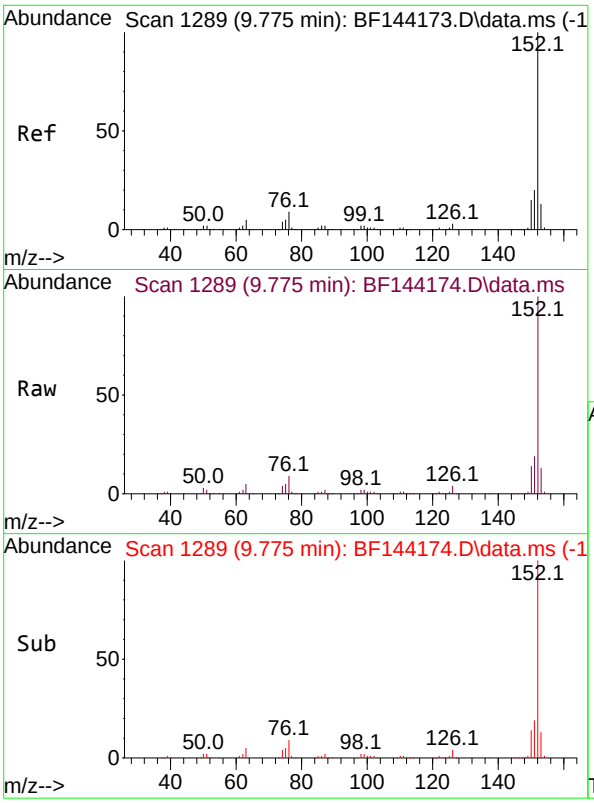


#48
2-Nitroaniline
Concen: 47.458 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 65 Resp: 138845

Ion	Ratio	Lower	Upper
65	100		
92	64.6	53.0	79.6
138	98.5	81.6	122.4



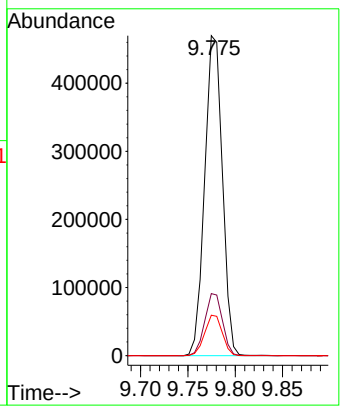


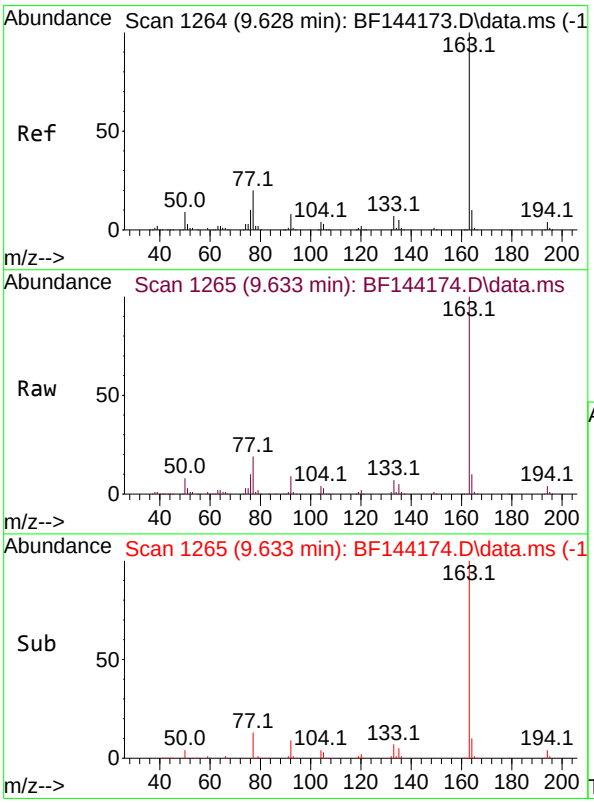
#49
Acenaphthylene
Concen: 44.368 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 613066

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	12.6	10.5	15.7

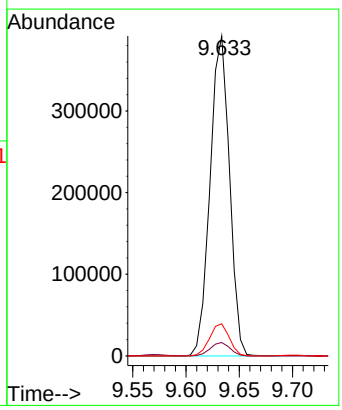


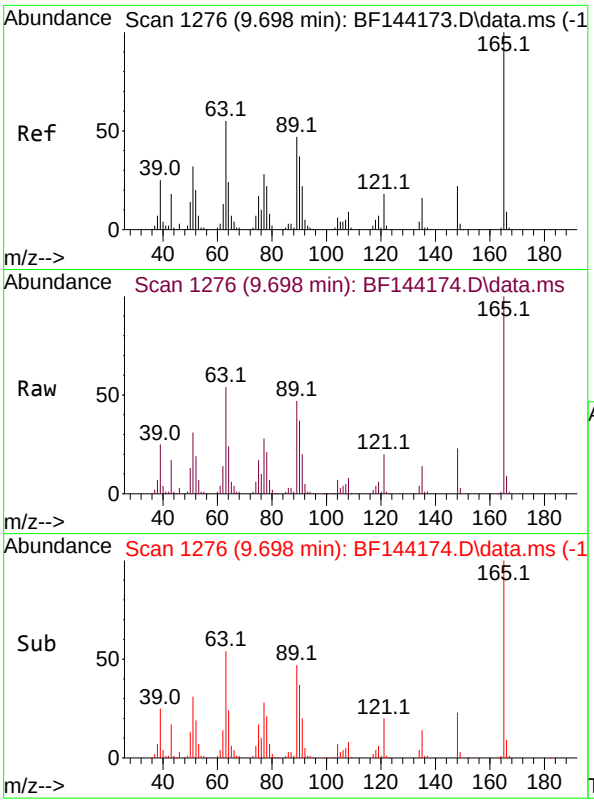


#50
Dimethylphthalate
Concen: 44.094 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:163 Resp: 497451

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.0	8.1	12.1



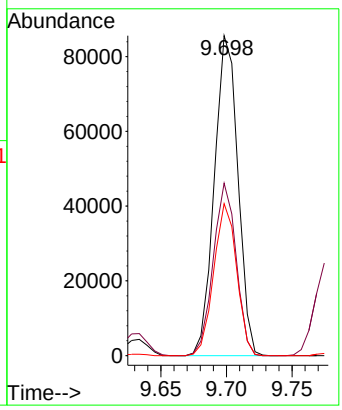


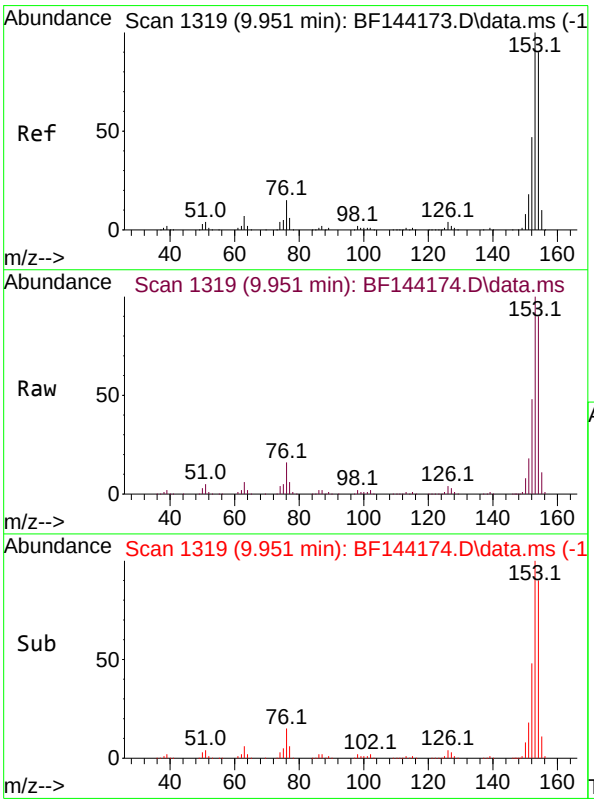
#51
2,6-Dinitrotoluene
Concen: 46.892 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 107091

Ion	Ratio	Lower	Upper
165	100		
63	53.9	43.8	65.8
89	47.5	37.5	56.3

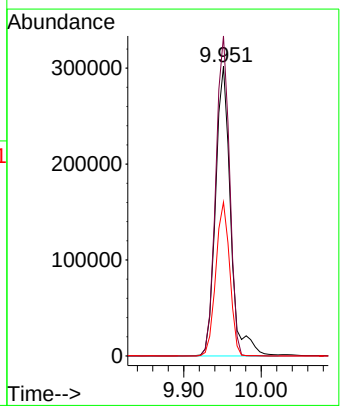


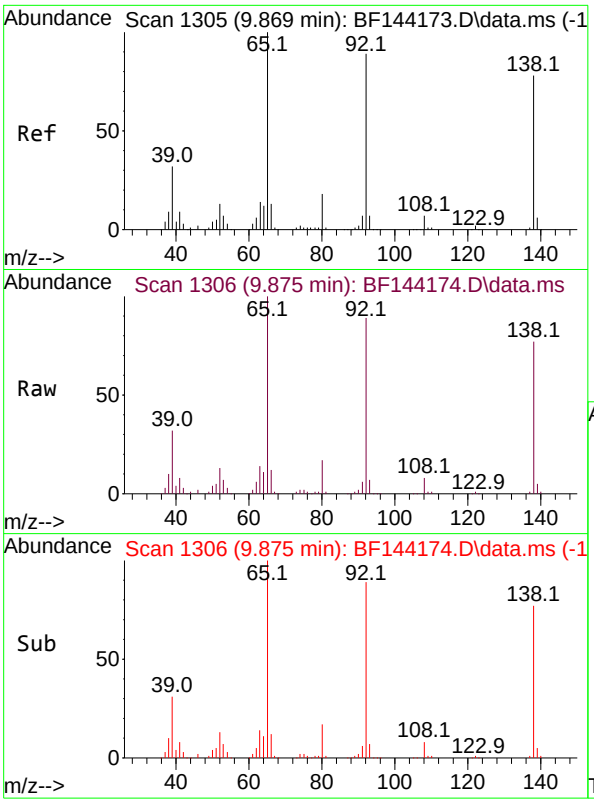


#52
Acenaphthene
Concen: 44.067 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:154 Resp: 407187

Ion	Ratio	Lower	Upper
154	100		
153	110.5	89.0	133.4
152	53.1	42.2	63.4



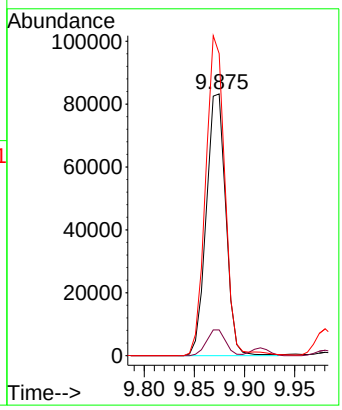


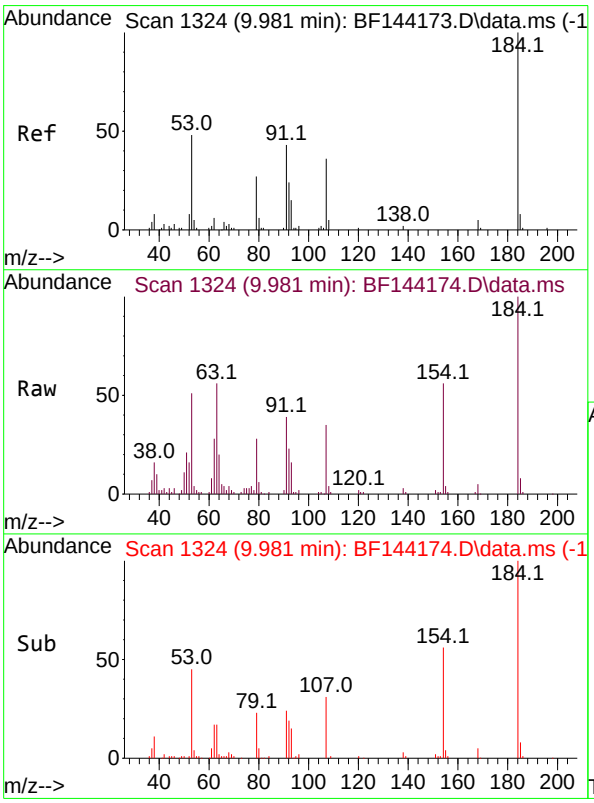
#53
3-Nitroaniline
Concen: 45.012 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 112371

Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.5	11.3
92	115.4	91.8	137.6

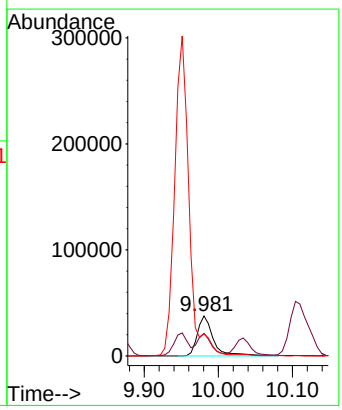


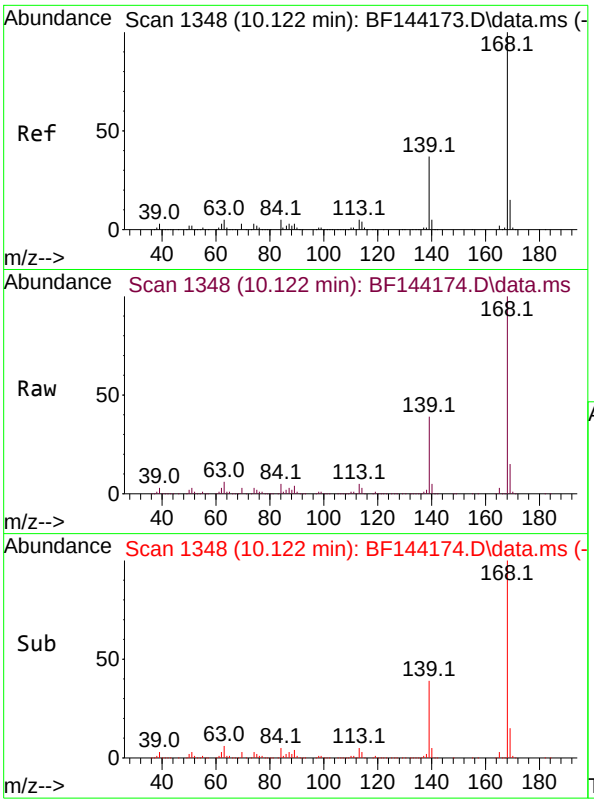


#54
2,4-Dinitrophenol
Concen: 41.007 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:184 Resp: 56551

Ion	Ratio	Lower	Upper
184	100		
63	56.3	44.0	66.0
154	55.5	42.4	63.6



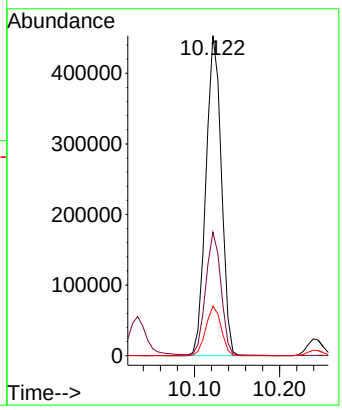


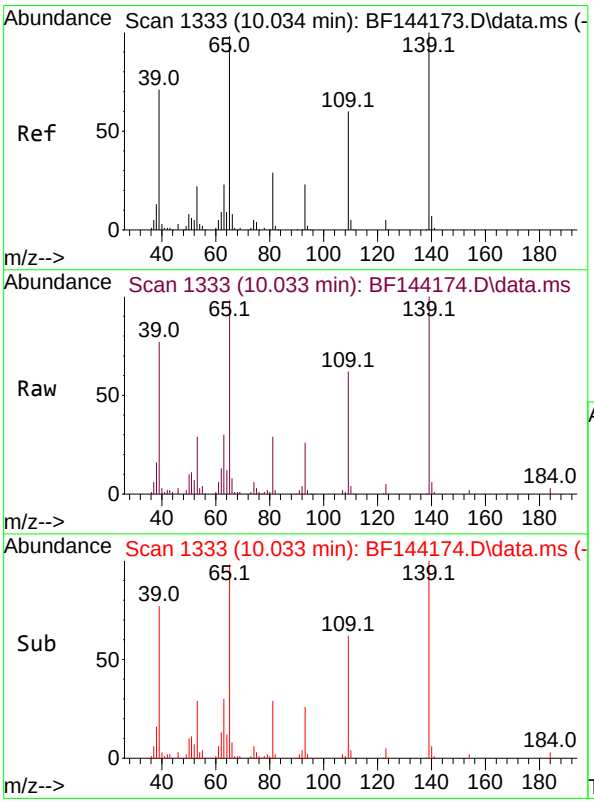
#55
Dibenzofuran
Concen: 43.989 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 569268

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.2	45.2
169	15.4	12.2	18.4

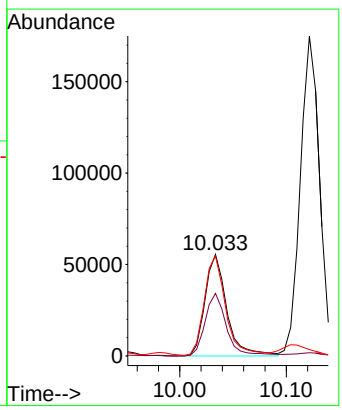


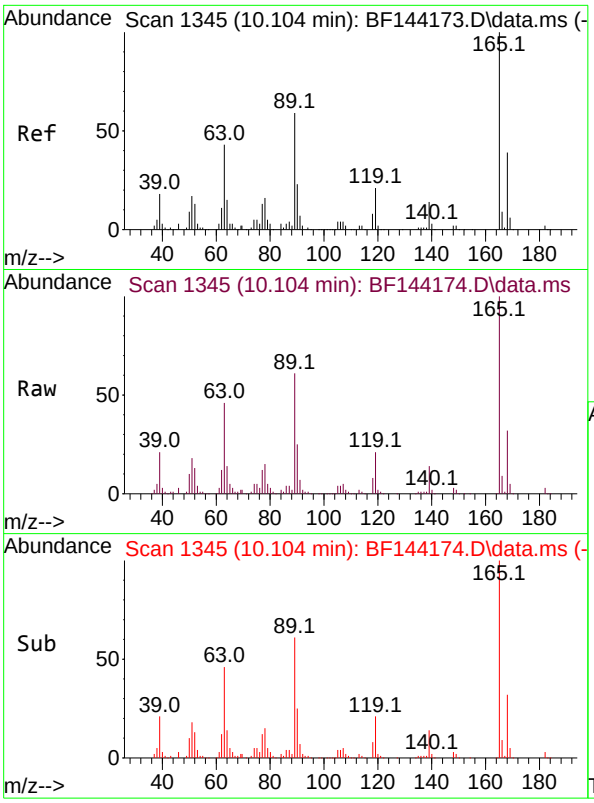


#56
4-Nitrophenol
Concen: 43.544 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:139 Resp: 78636

Ion	Ratio	Lower	Upper
139	100		
109	61.6	39.9	79.9
65	98.3	79.5	119.5



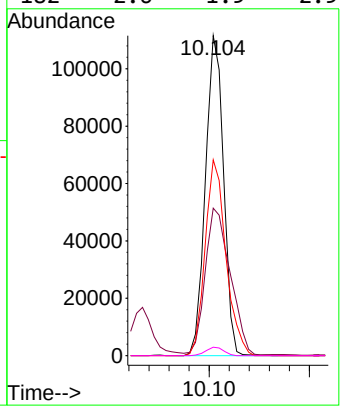


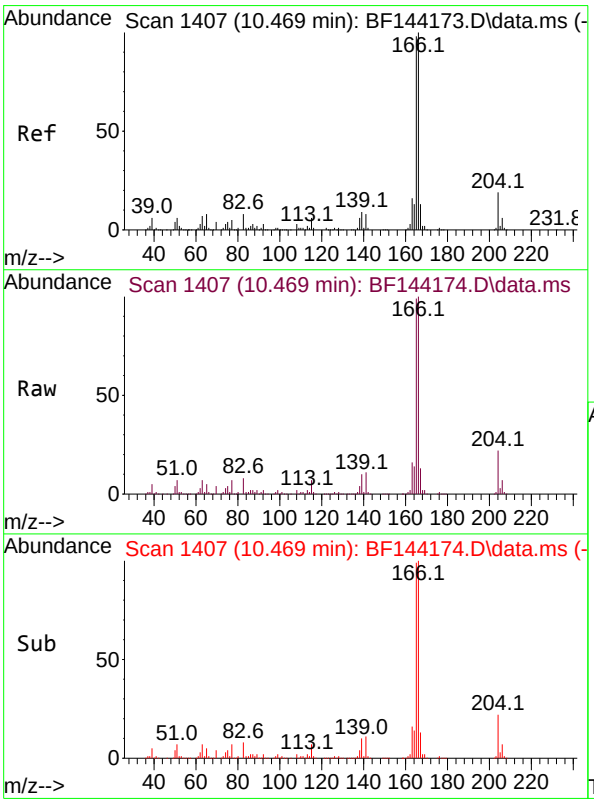
#57
2,4-Dinitrotoluene
Concen: 45.629 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 139501

Ion	Ratio	Lower	Upper
165	100		
63	46.1	35.5	53.3
89	61.2	47.4	71.2
182	2.6	1.9	2.9

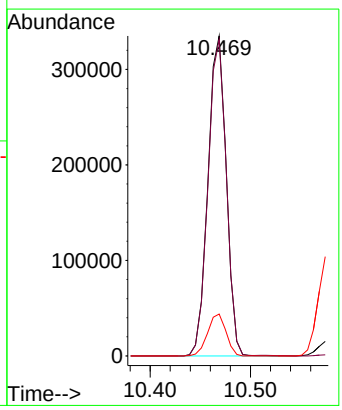


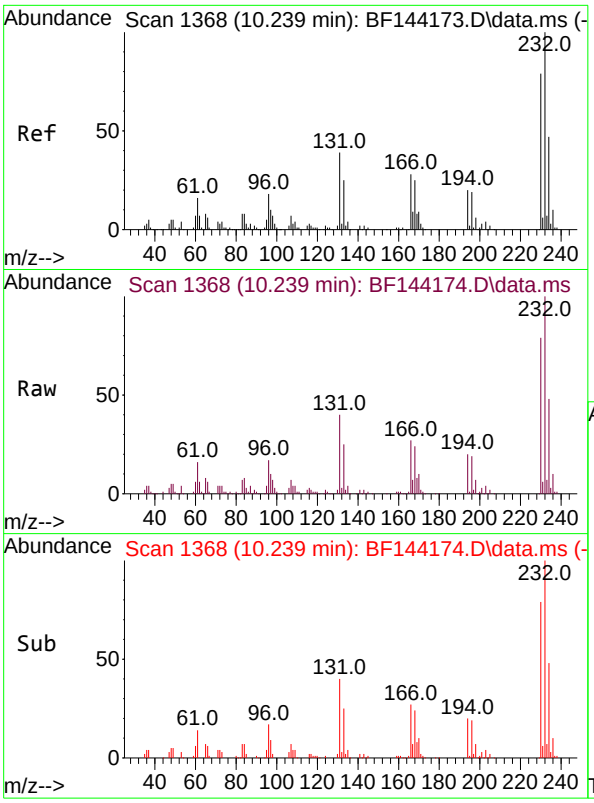


#58
Fluorene
Concen: 43.136 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:166 Resp: 424429

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.6	118.0
167	13.1	10.4	15.6



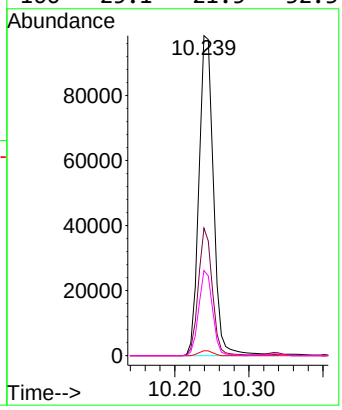


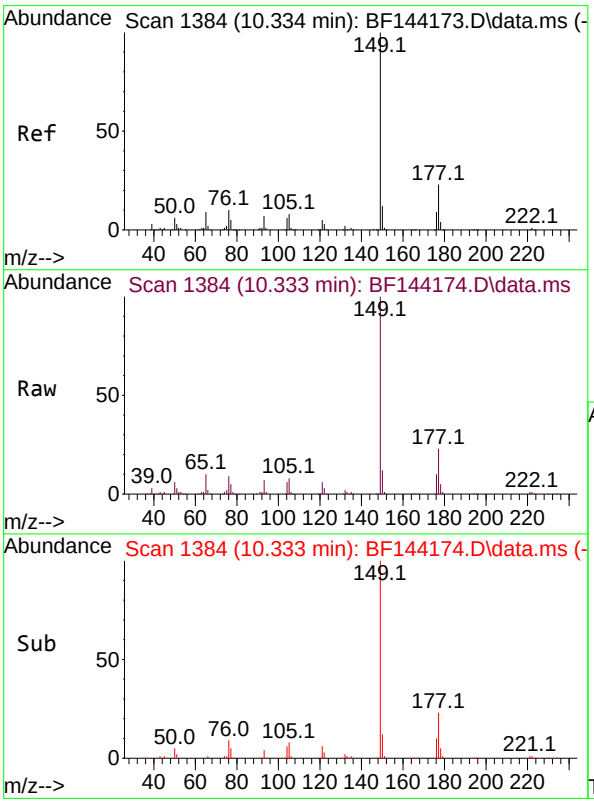
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.453 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 134554

Ion	Ratio	Lower	Upper
232	100		
131	38.0	30.3	45.5
130	1.4	1.2	1.8
166	25.1	21.5	32.3

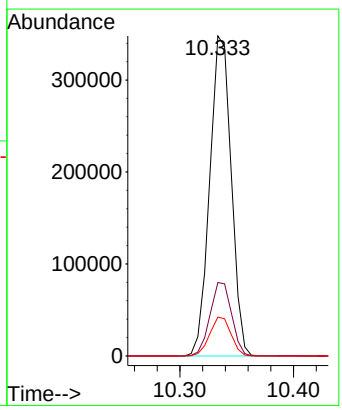


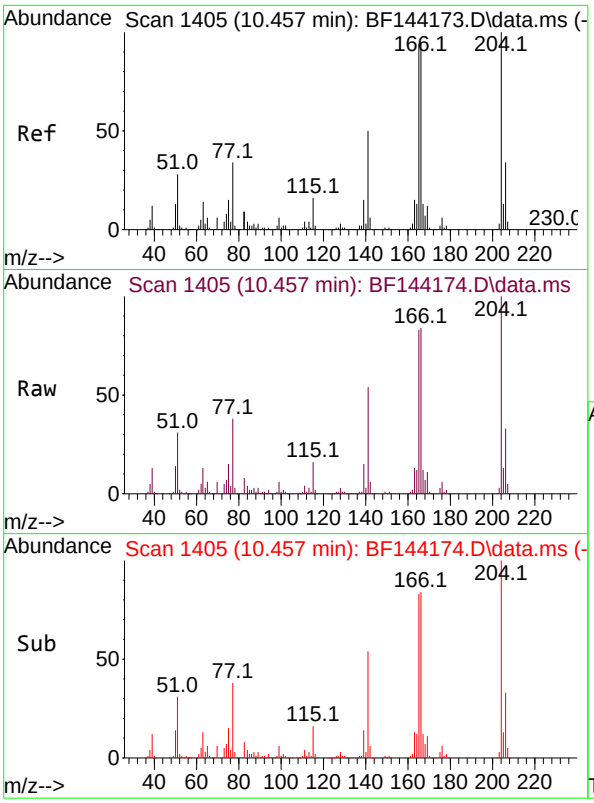


#60
Diethylphthalate
Concen: 43.997 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:149 Resp: 457569

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.1	9.8	14.6



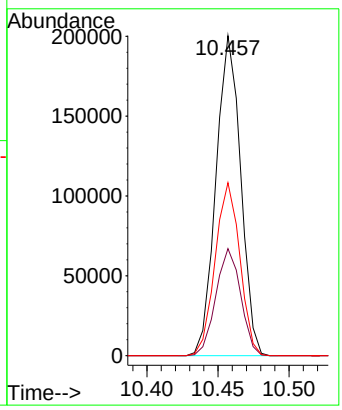


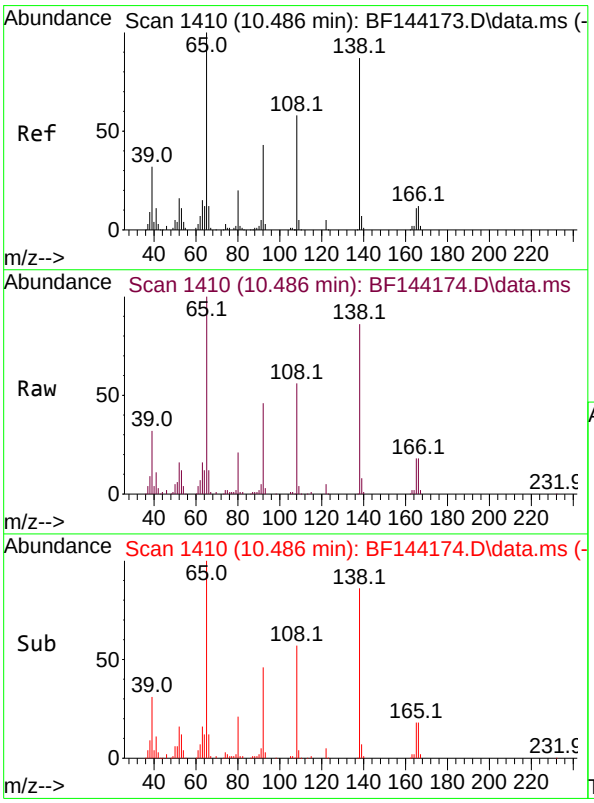
#61
4-Chlorophenyl-phenylether
Concen: 43.294 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 242650

Ion	Ratio	Lower	Upper
204	100		
206	33.4	27.4	41.2
141	54.0	40.0	60.0

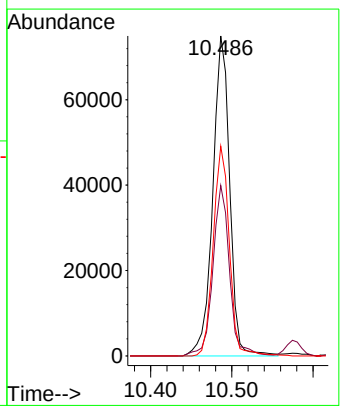


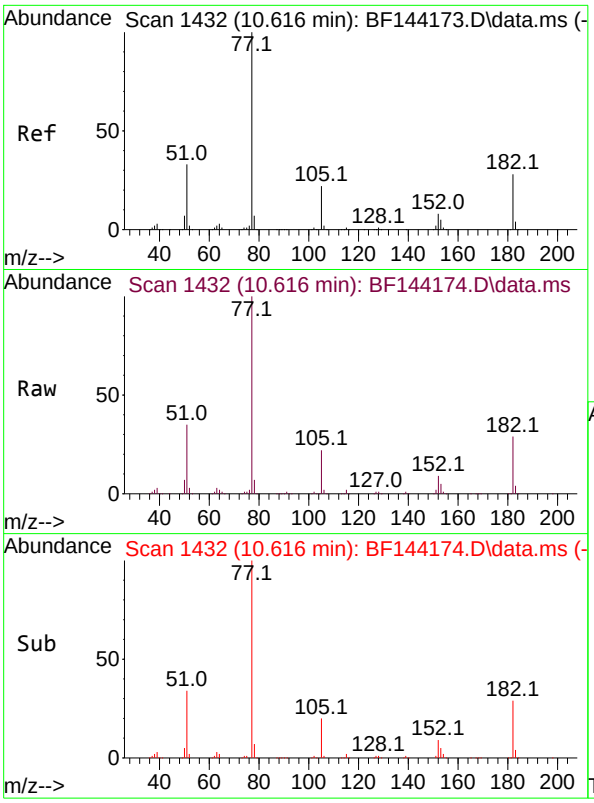


#62
4-Nitroaniline
Concen: 45.557 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:138 Resp: 108312

Ion	Ratio	Lower	Upper
138	100		
92	53.2	29.4	69.4
108	65.5	46.4	86.4



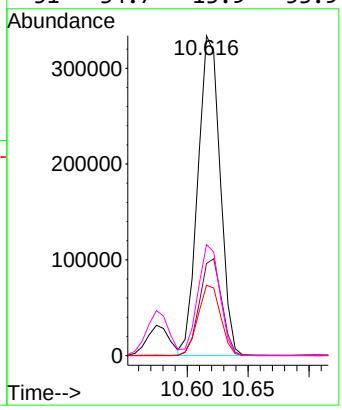


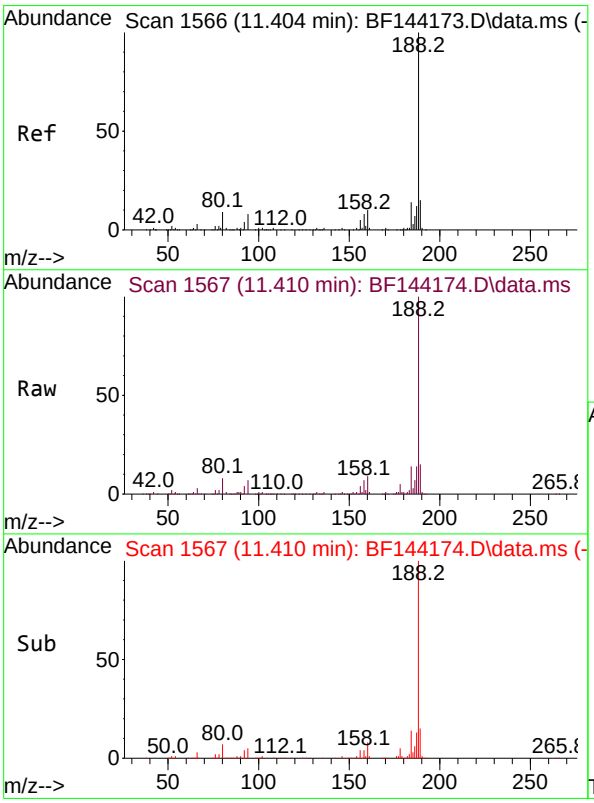
#63
Azobenzene
Concen: 43.768 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 423631

Ion	Ratio	Lower	Upper
77	100		
182	28.8	8.1	48.1
105	22.0	2.0	42.0
51	34.7	13.9	53.9

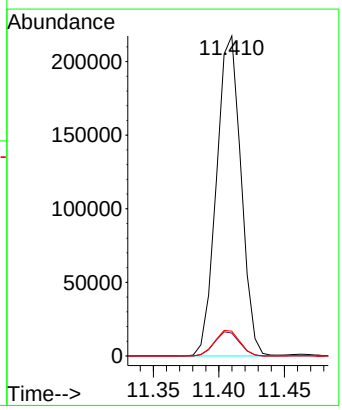


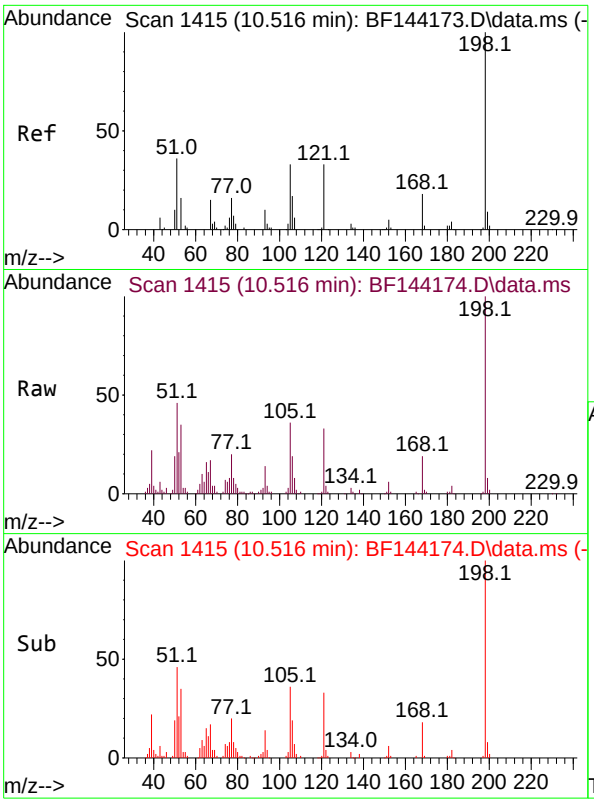


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:188 Resp: 283828

Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.2	9.2
80	7.7	6.9	10.3



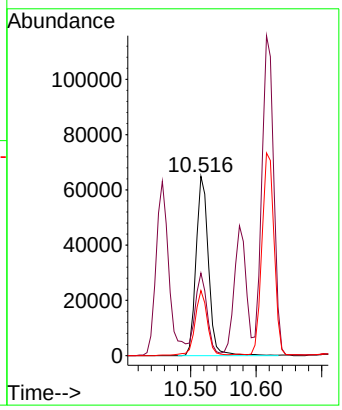


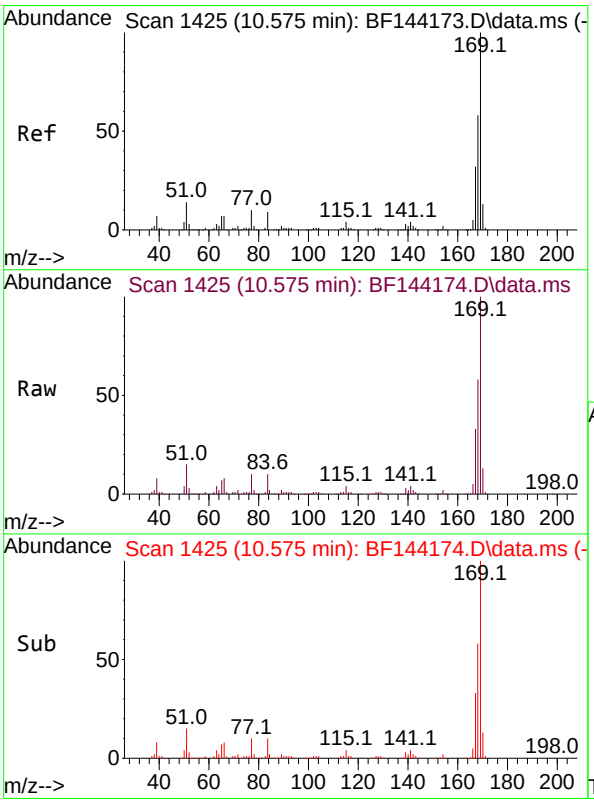
#65
4,6-Dinitro-2-methylphenol
Concen: 44.204 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 85232

Ion	Ratio	Lower	Upper
198	100		
51	46.0	25.6	65.6
105	36.3	14.6	54.6

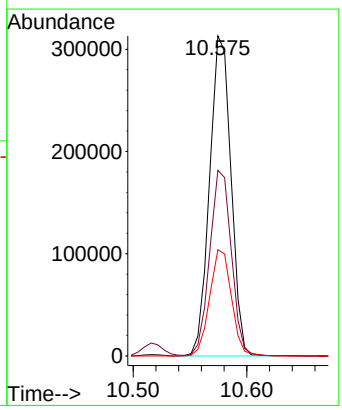


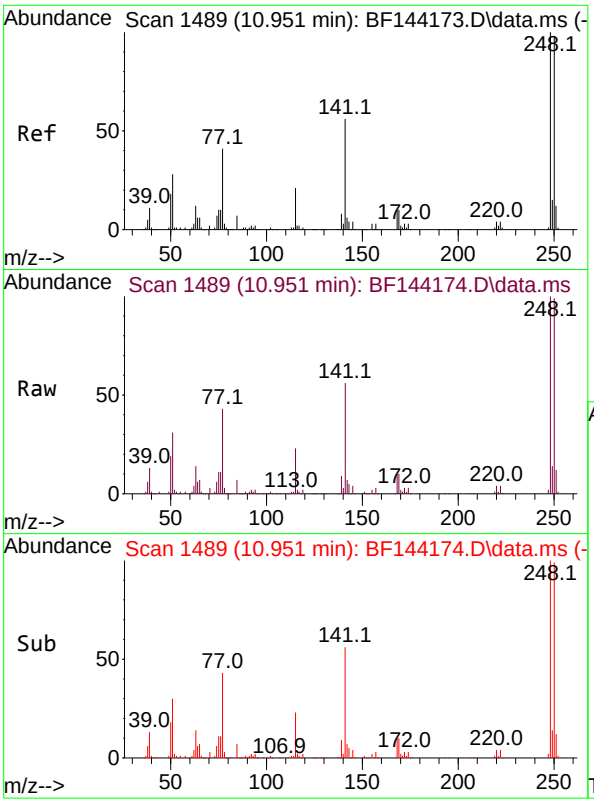


#66
n-Nitrosodiphenylamine
Concen: 44.877 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:169 Resp: 409670

Ion	Ratio	Lower	Upper
169	100		
168	58.0	46.2	69.2
167	33.2	25.7	38.5



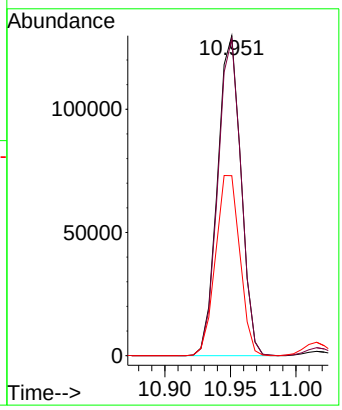


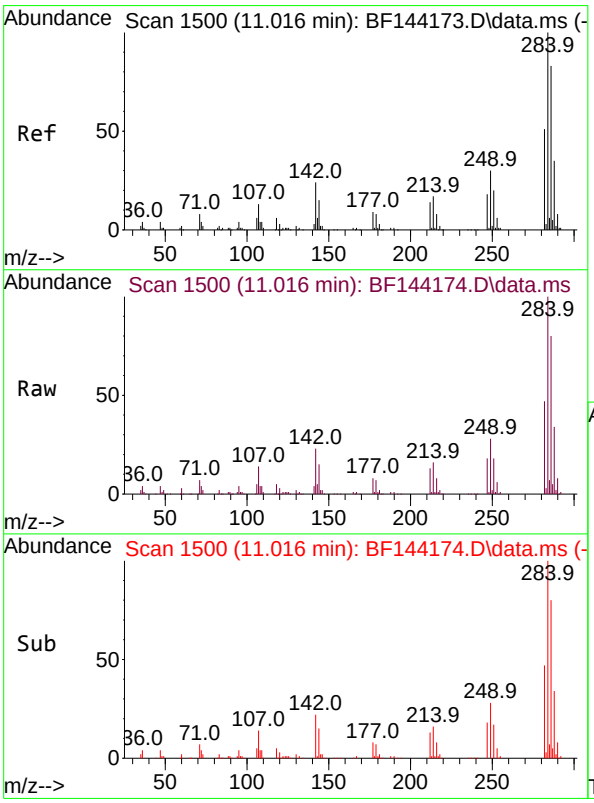
#67
4-Bromophenyl-phenylether
Concen: 44.606 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 161600

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.4	117.6
141	56.2	45.1	67.7

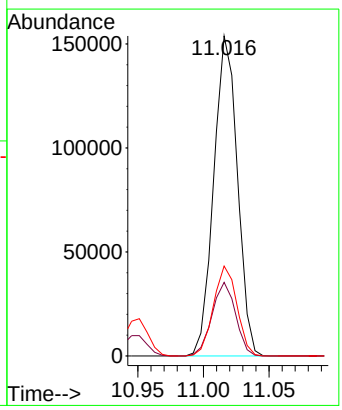


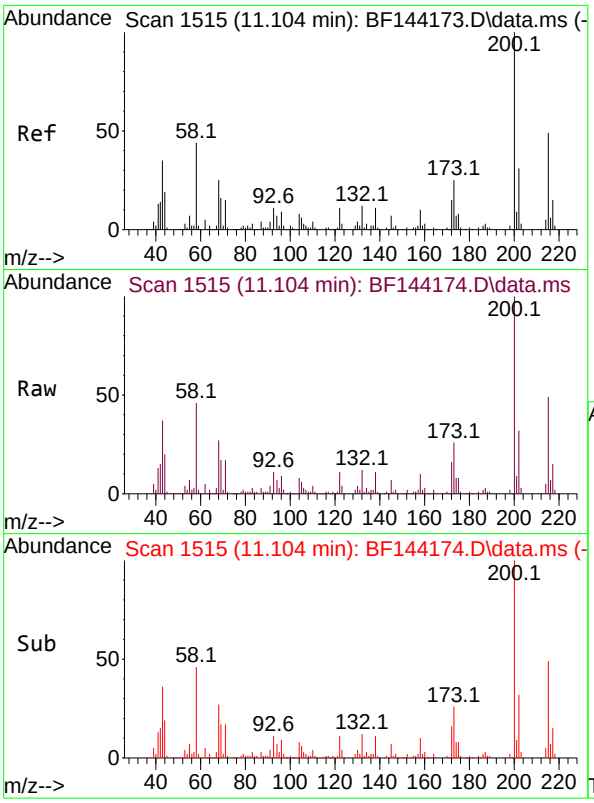


#68
Hexachlorobenzene
Concen: 45.364 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:284 Resp: 193574

Ion	Ratio	Lower	Upper
284	100		
142	23.0	19.2	28.8
249	28.1	23.8	35.8



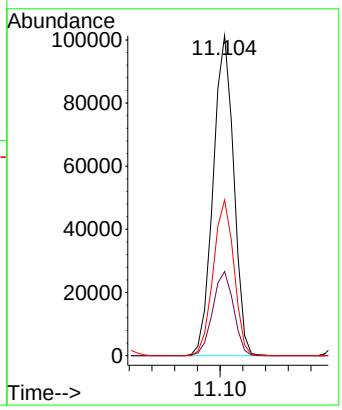


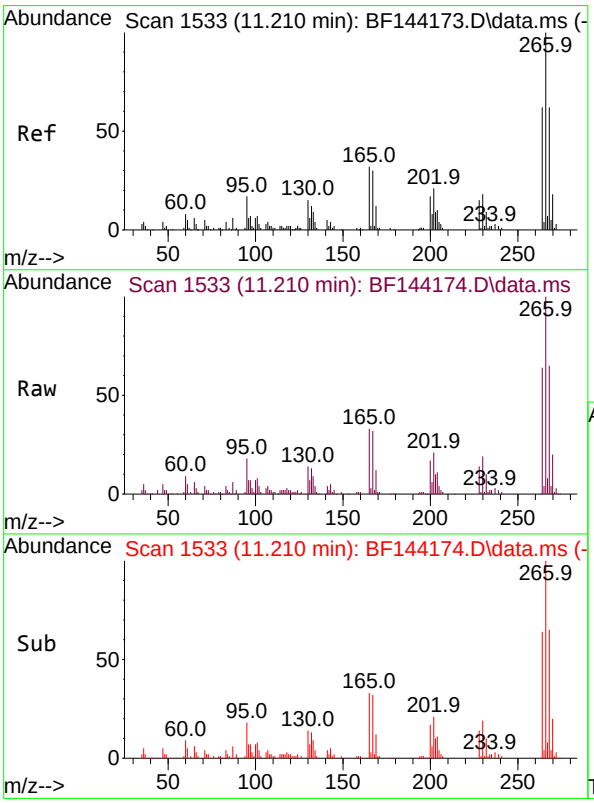
#69
Atrazine
Concen: 43.906 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 127465

Ion	Ratio	Lower	Upper
200	100		
173	26.3	5.0	45.0
215	48.6	28.7	68.7

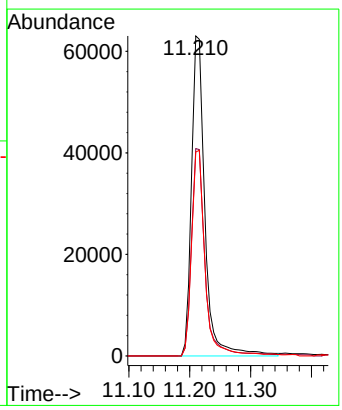


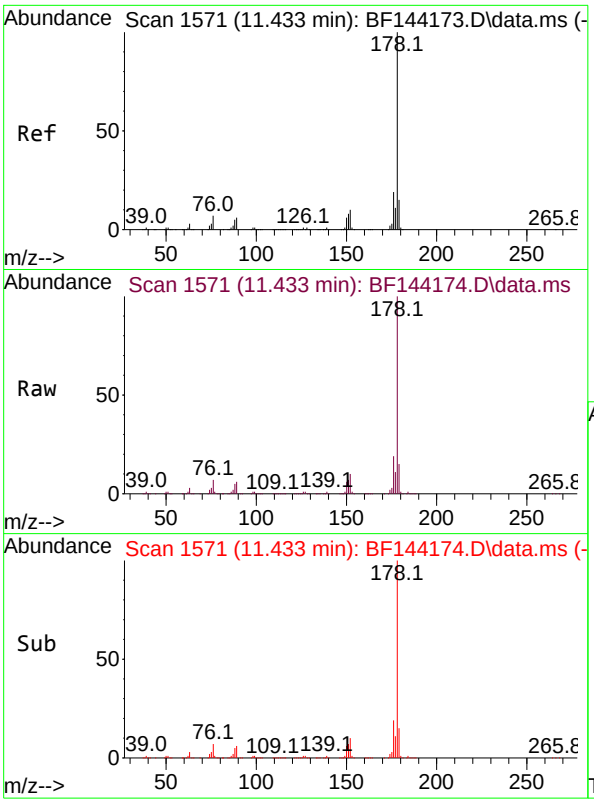


#70
Pentachlorophenol
Concen: 45.622 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:266 Resp: 96941

Ion	Ratio	Lower	Upper
266	100		
268	64.8	49.5	74.3
264	63.7	49.4	74.2



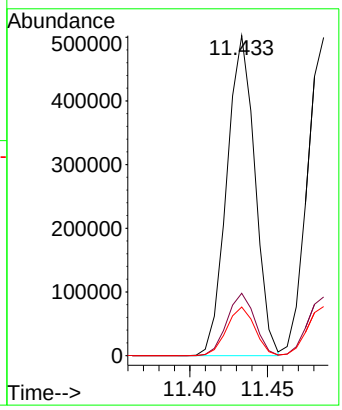


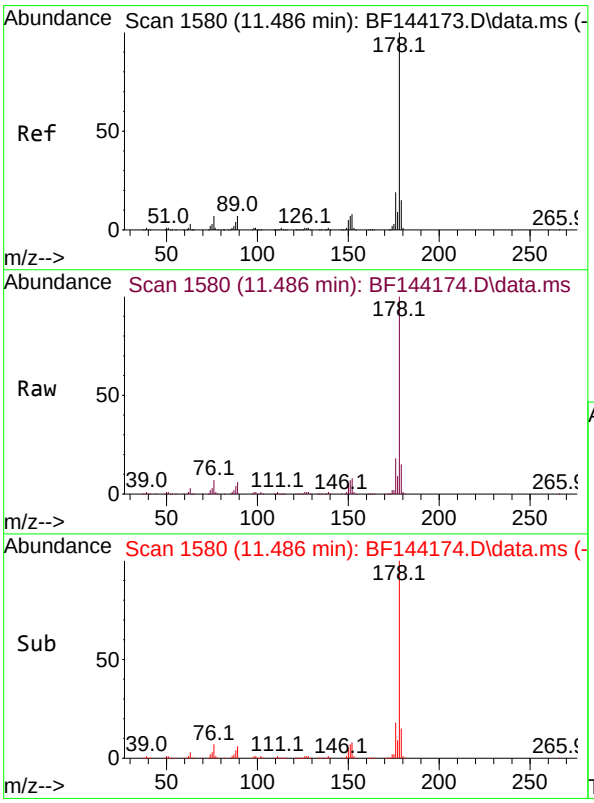
#71
Phenanthrene
Concen: 44.800 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 633088

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.2	12.2	18.4

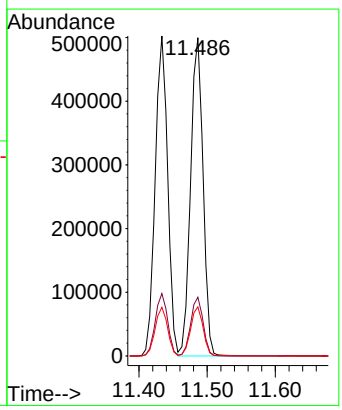


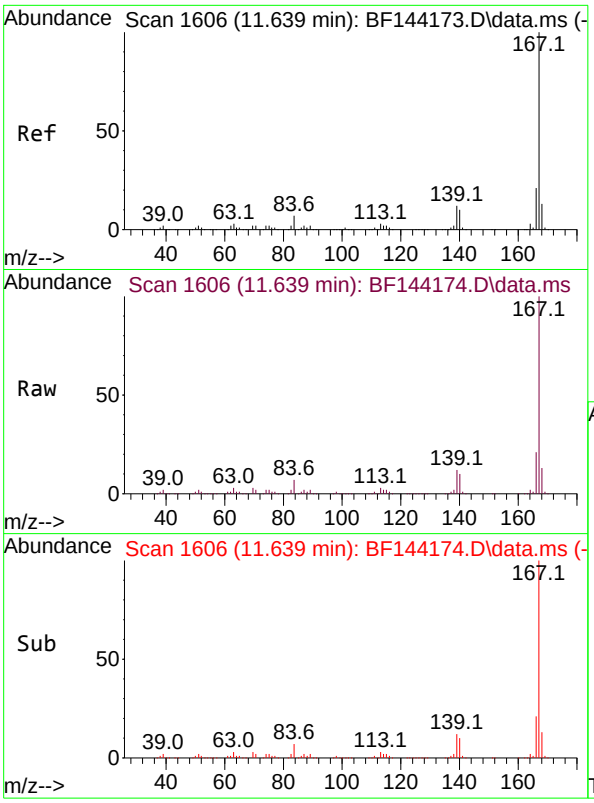


#72
Anthracene
Concen: 44.292 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:178 Resp: 636448

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.4	12.0	18.0



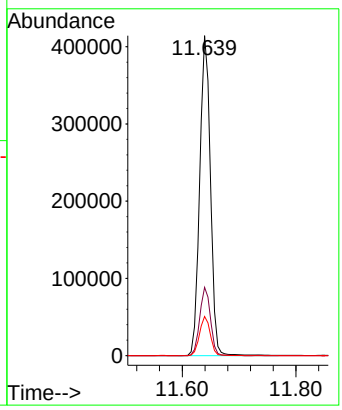


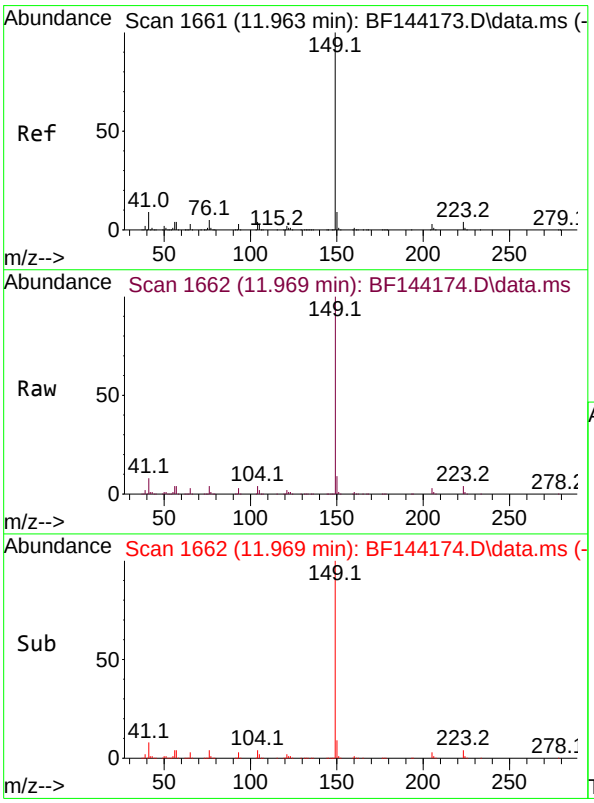
#73
Carbazole
Concen: 44.273 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 540957

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.2	9.9	14.9

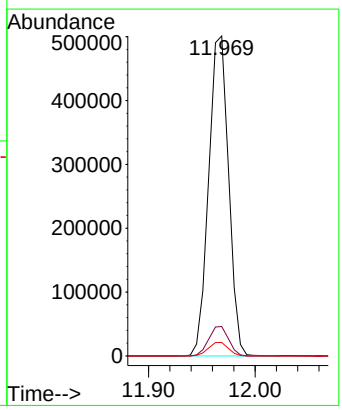


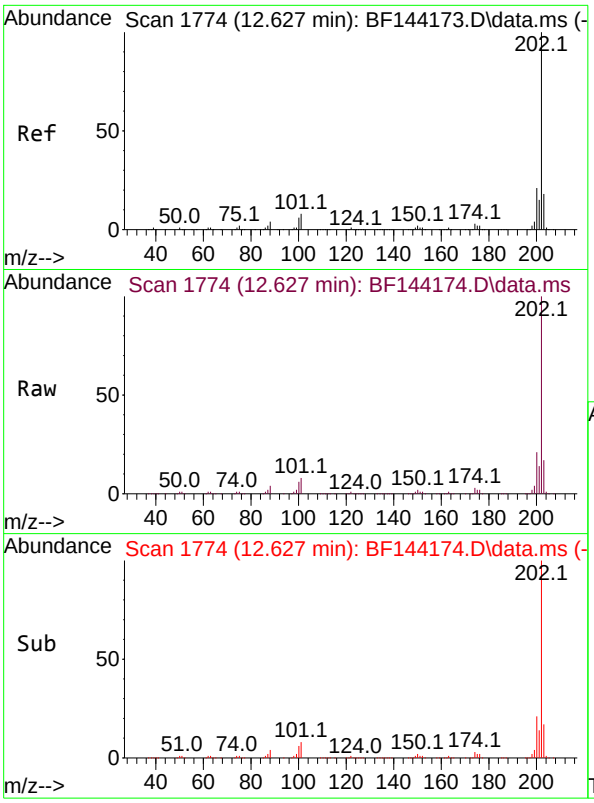


#74
Di-n-butylphthalate
Concen: 44.060 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:149 Resp: 650810

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.2	3.4	5.2



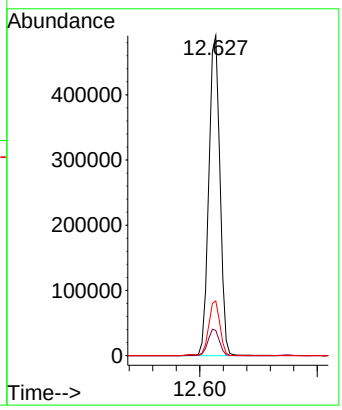


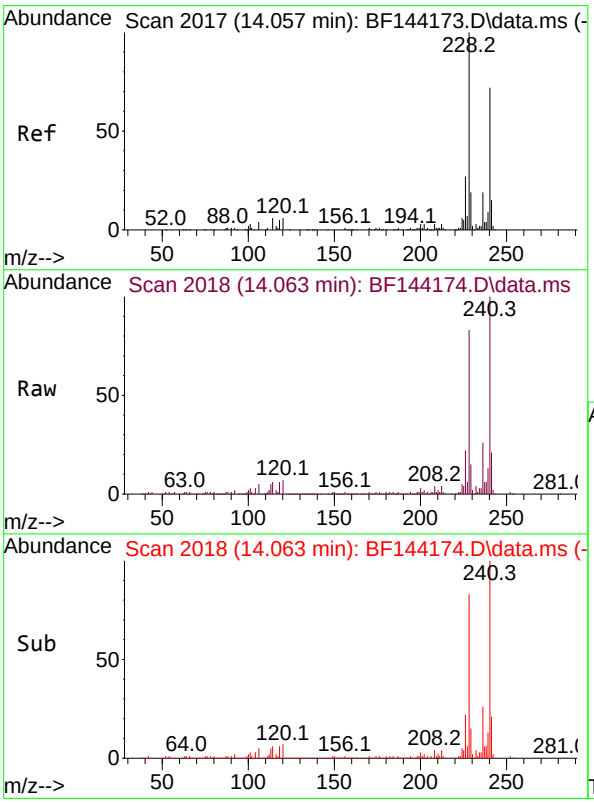
#75
Fluoranthene
Concen: 44.244 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 645856

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	27.9
203	17.1	0.0	37.5

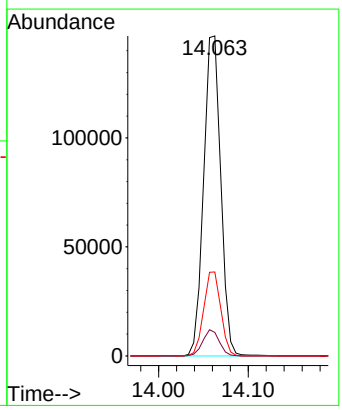


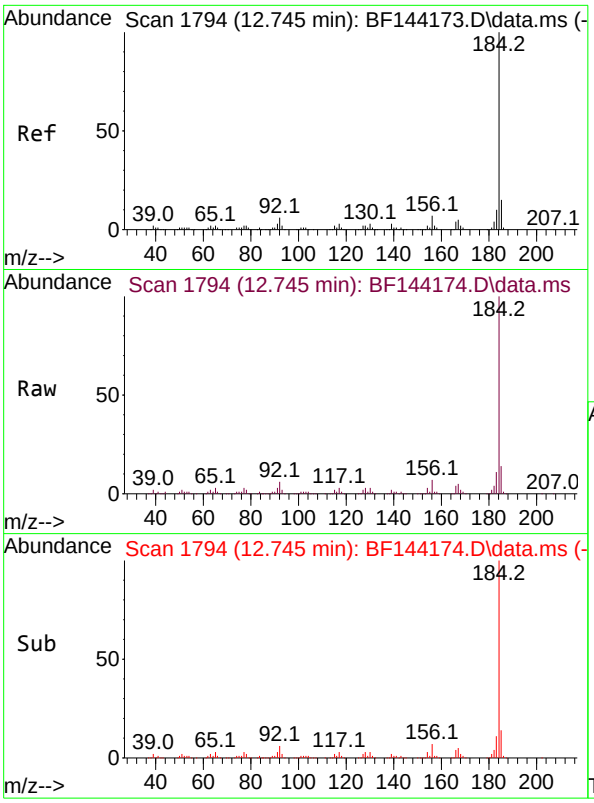


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:240 Resp: 194366

Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.6	10.0
236	26.2	21.4	32.2



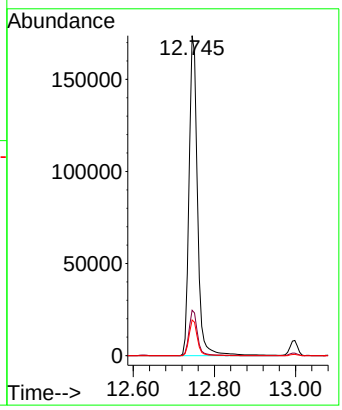


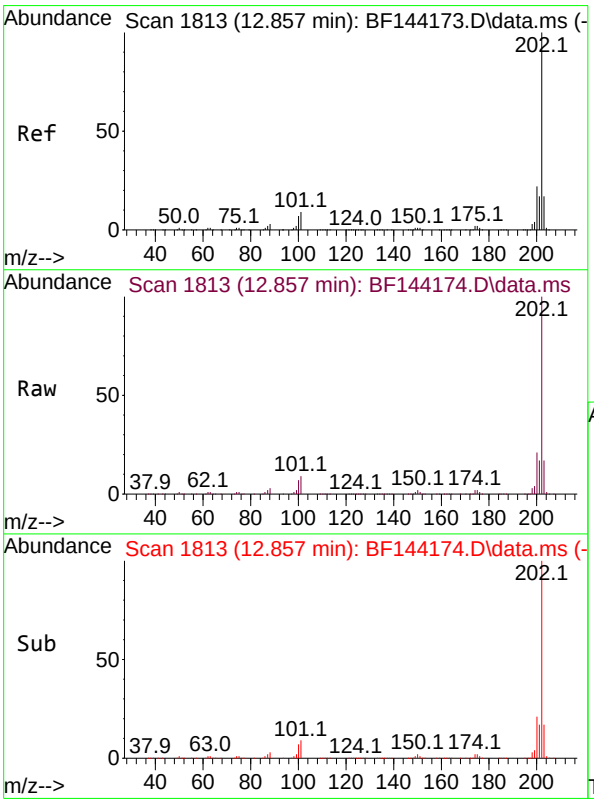
#77
Benzidine
Concen: 43.243 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 248615

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.7	17.5
183	11.1	8.3	12.5

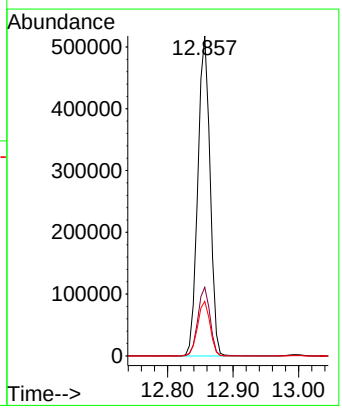


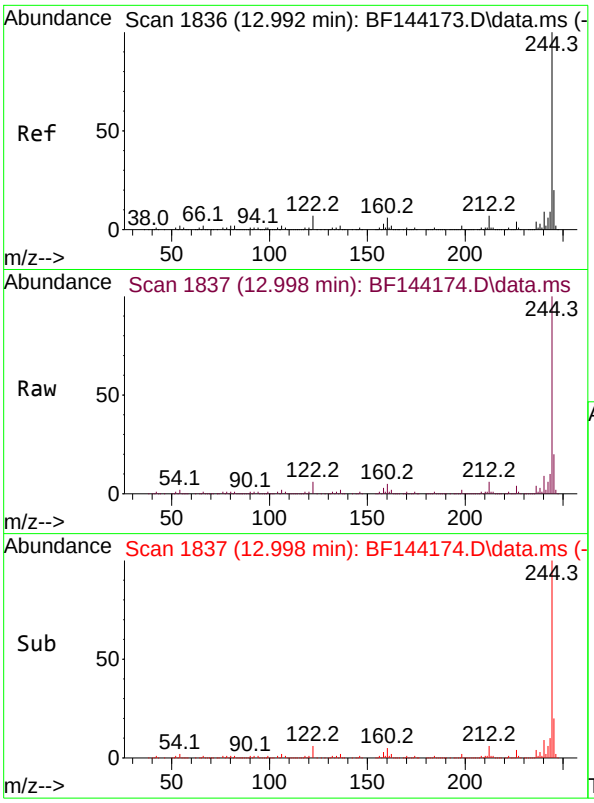


#78
Pyrene
Concen: 42.540 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:202 Resp: 666673

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.0	13.7	20.5



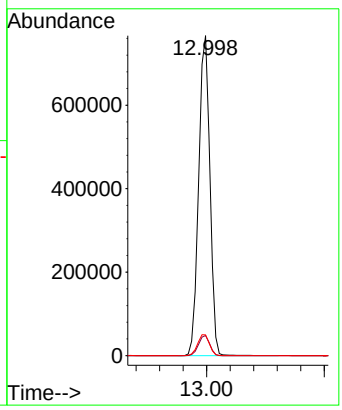


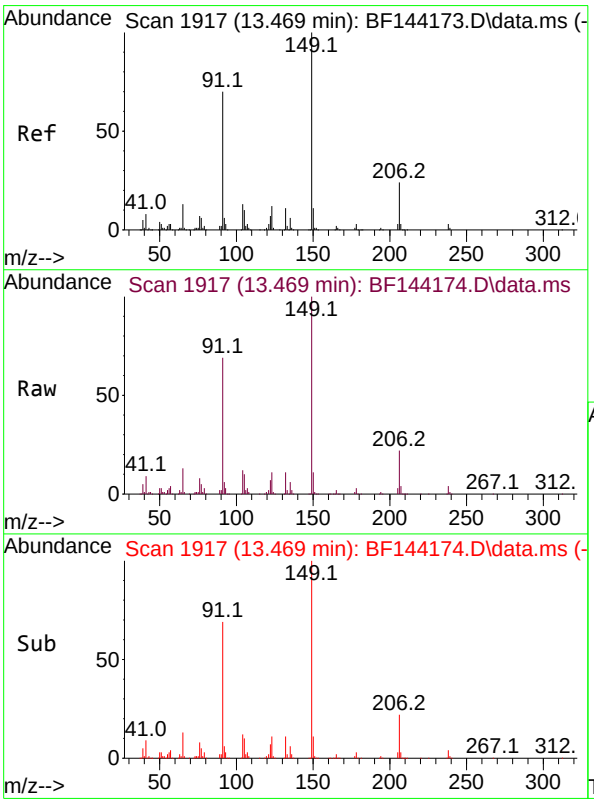
#79
Terphenyl-d14
Concen: 82.754 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1012618

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	6.5	5.6	8.4

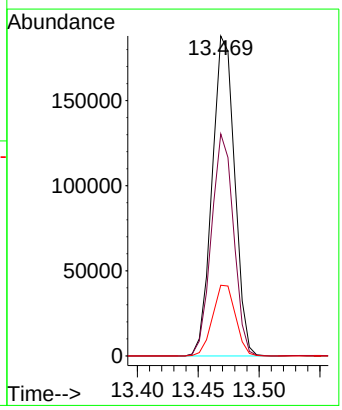


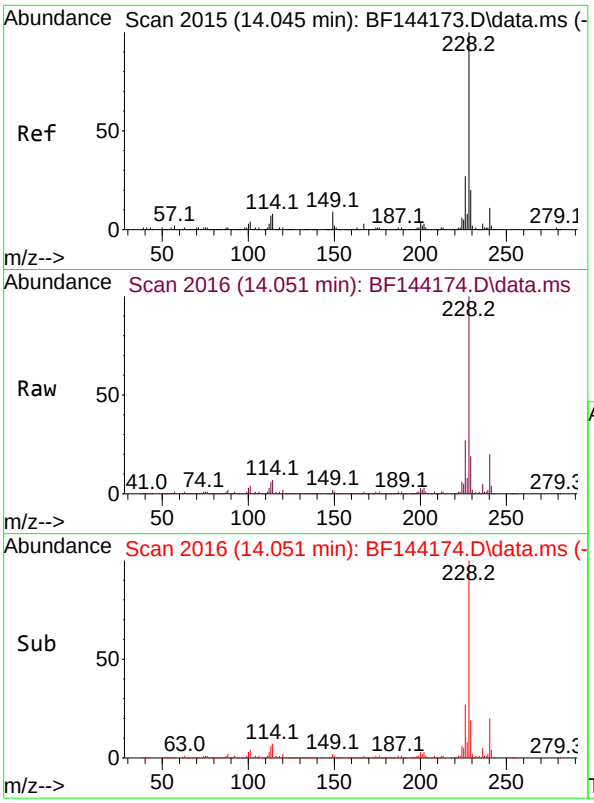


#80
Butylbenzylphthalate
Concen: 44.602 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:149 Resp: 242259

Ion	Ratio	Lower	Upper
149	100		
91	69.4	56.1	84.1
206	22.1	18.8	28.2



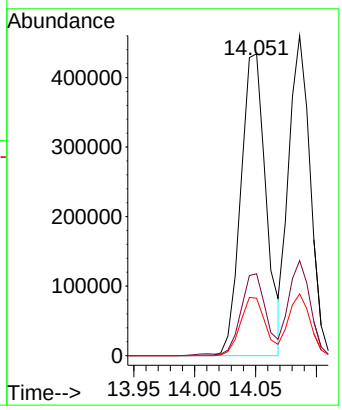


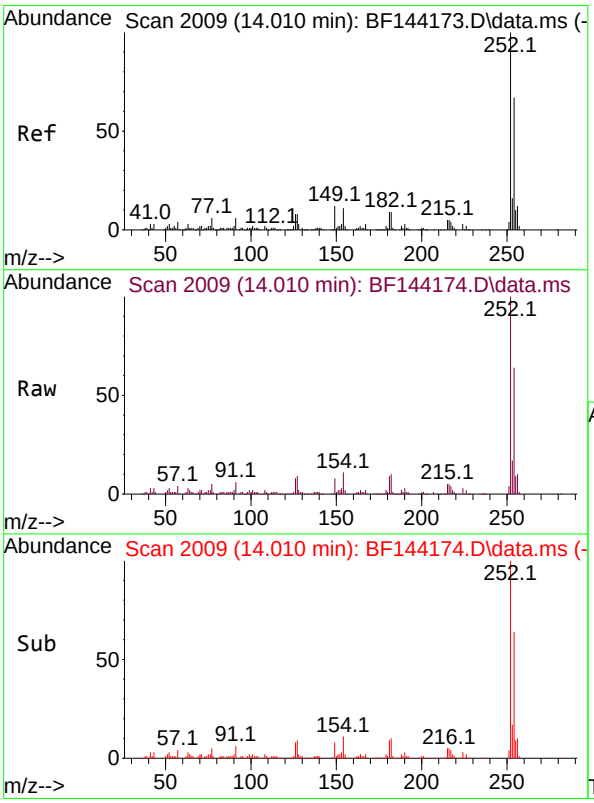
#81
Benzo(a)anthracene
Concen: 46.515 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 626599

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.0	15.8	23.6

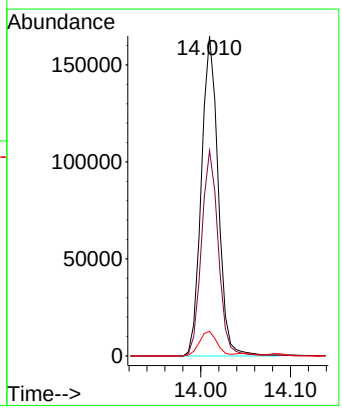


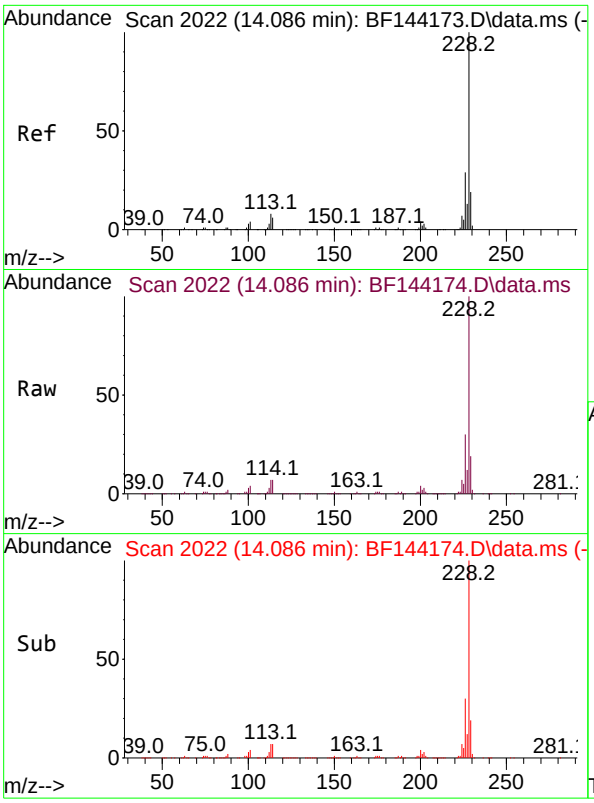


#82
3,3'-Dichlorobenzidine
Concen: 46.440 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:252 Resp: 214437

Ion	Ratio	Lower	Upper
252	100		
254	64.1	53.5	80.3
126	7.7	6.4	9.6



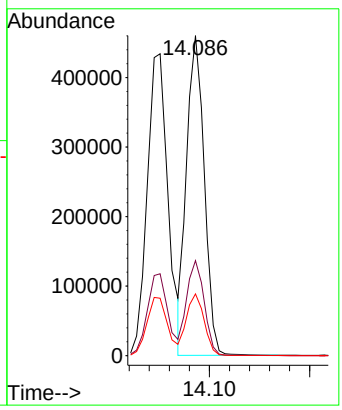


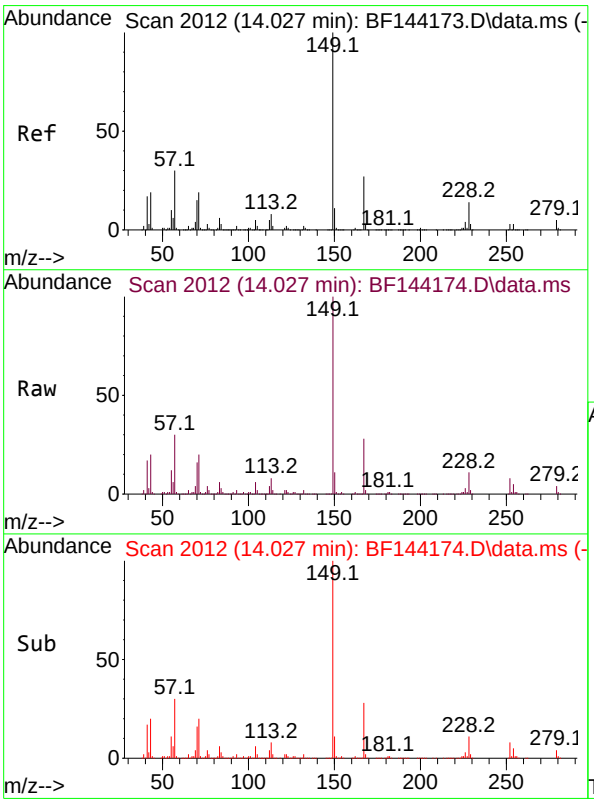
#83
Chrysene
Concen: 45.489 ng
RT: 14.086 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 565678

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.9	34.3
229	19.3	15.0	22.6

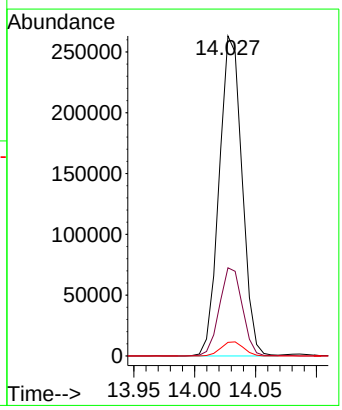


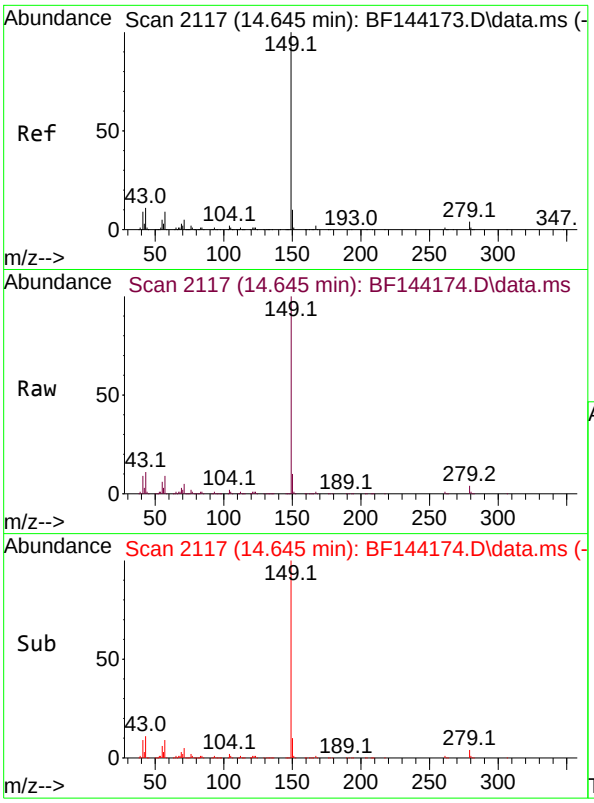


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.061 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:149 Resp: 342489

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.8	32.8
279	4.2	3.7	5.5



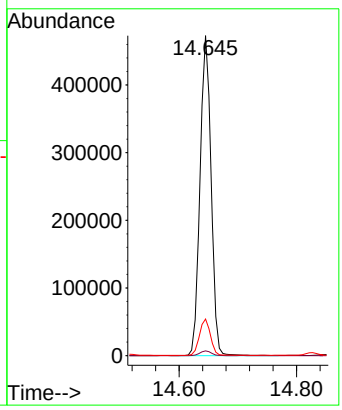


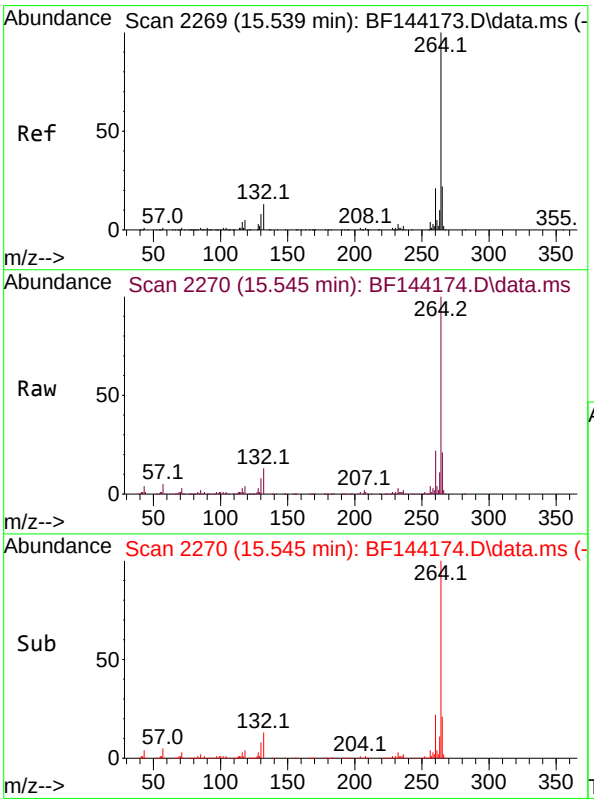
#85
Di-n-octyl phthalate
Concen: 48.068 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 616644

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.4	9.0	13.4

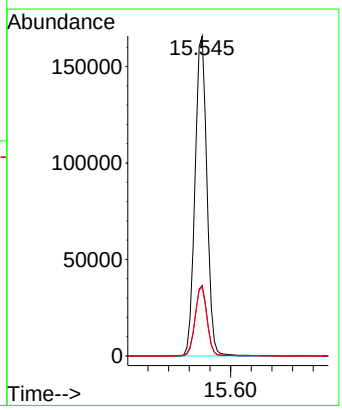


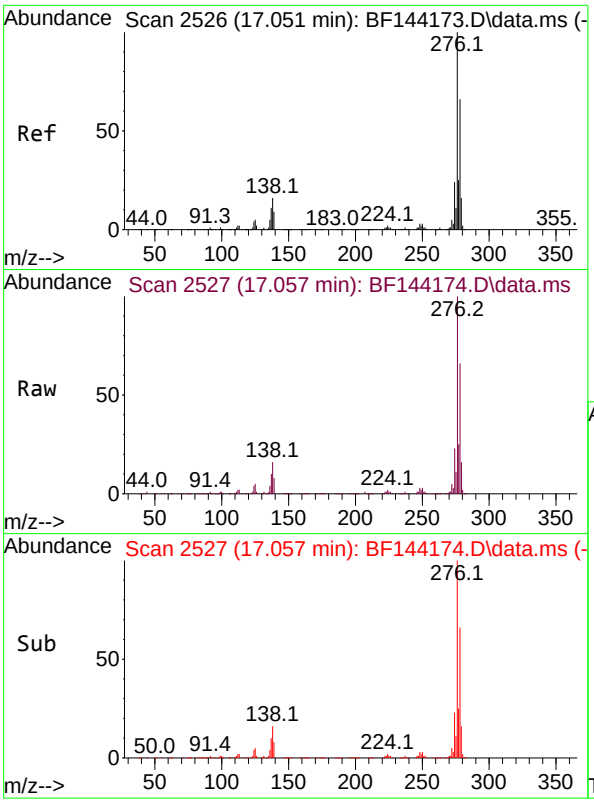


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:264 Resp: 264861

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.1	25.7
265	21.5	17.4	26.0



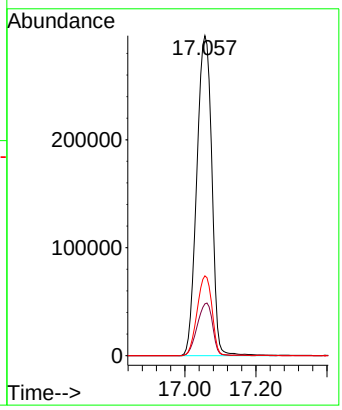


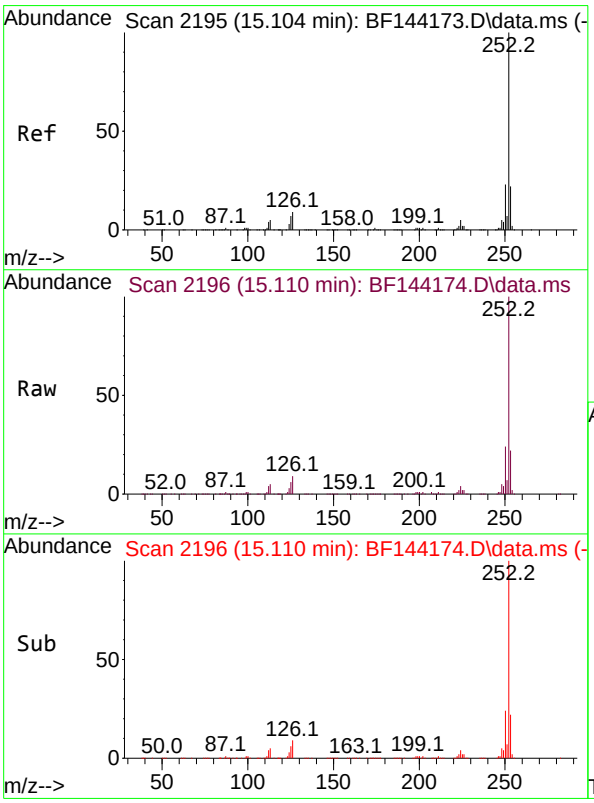
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.642 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 867786

Ion	Ratio	Lower	Upper
276	100		
138	16.7	13.9	20.9
277	24.5	19.8	29.6

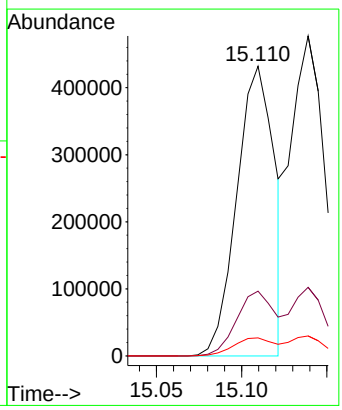


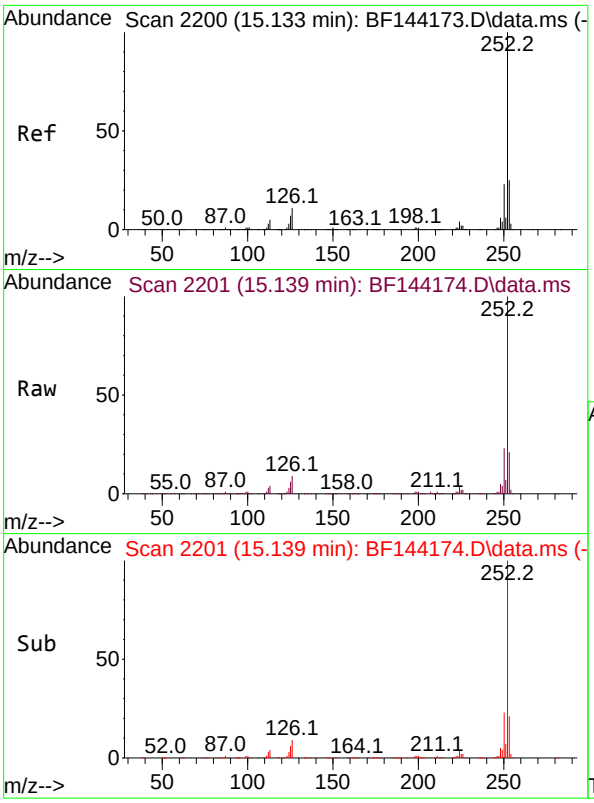


#88
Benzo(b)fluoranthene
Concen: 44.079 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:252 Resp: 663728

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.2	5.3	7.9



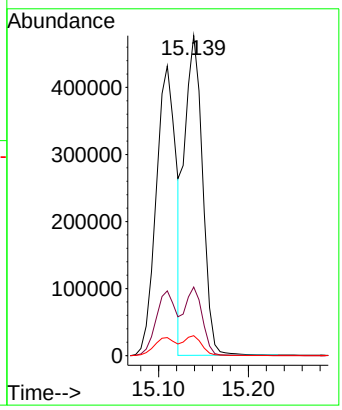


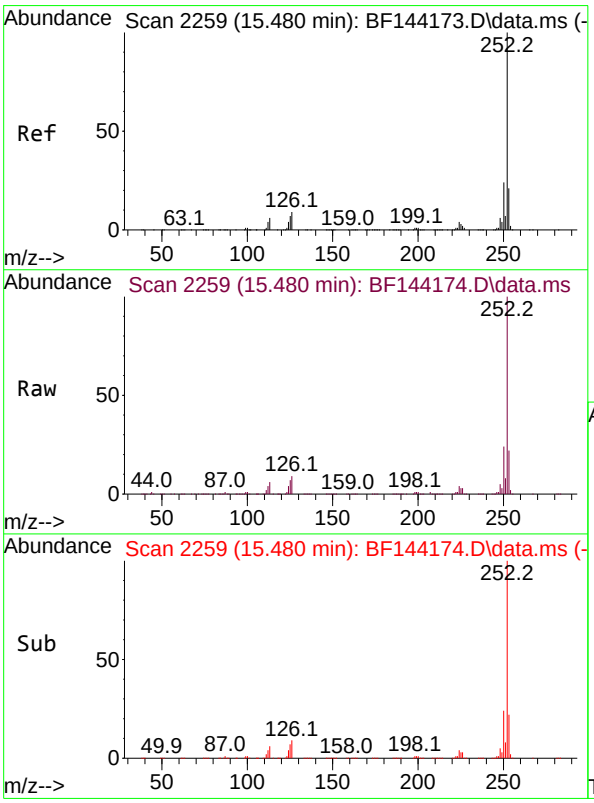
#89
Benzo(k)fluoranthene
Concen: 46.952 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 661746

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	6.2	5.4	8.2

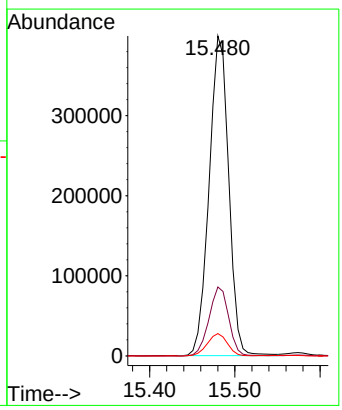


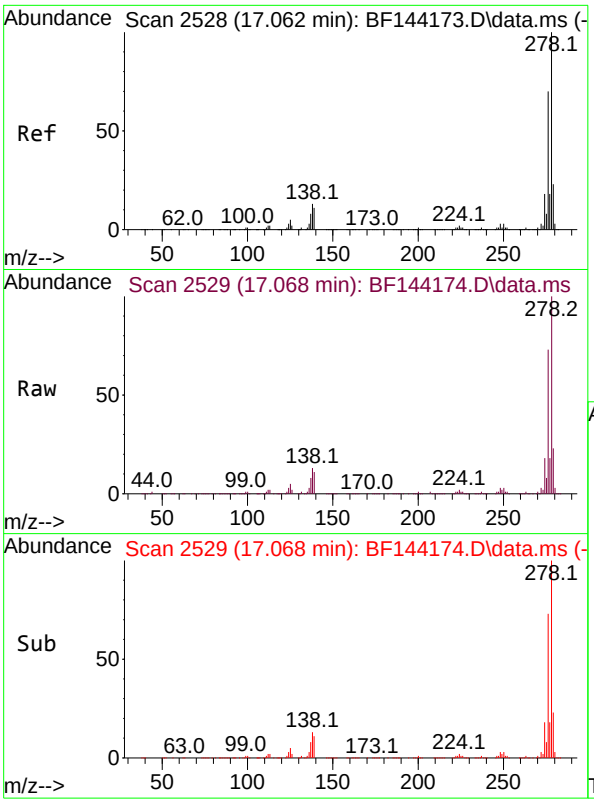


#90
Benzo(a)pyrene
Concen: 45.882 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:252 Resp: 637370

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.7	25.1
125	7.0	5.7	8.5



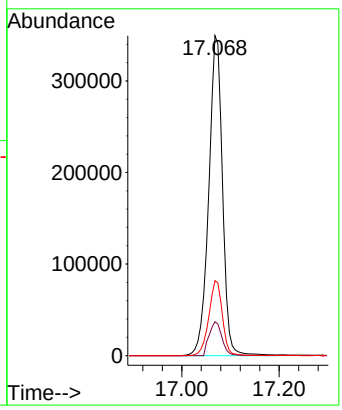


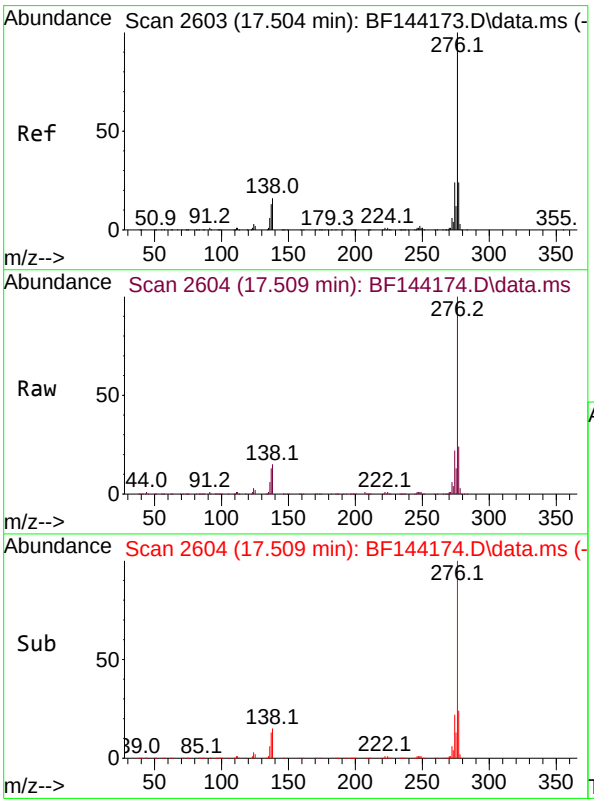
#91
Dibenzo(a,h)anthracene
Concen: 45.098 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 688620

Ion	Ratio	Lower	Upper
278	100		
139	10.6	9.1	13.7
279	23.4	18.2	27.4

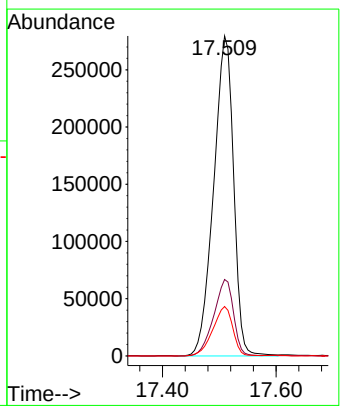




#92
Benzo(g,h,i)perylene
Concen: 45.152 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.012 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:276 Resp: 680830

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	15.4	12.9	19.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144175.D
Acq On : 05 Nov 2025 16:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 17:24:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.875	152	63801	20.000 ng	0.00
21) Naphthalene-d8	8.157	136	239743	20.000 ng	0.00
39) Acenaphthene-d10	9.916	164	126385	20.000 ng	0.00
64) Phenanthrene-d10	11.410	188	213136	20.000 ng	0.00
76) Chrysene-d12	14.057	240	145867	20.000 ng	0.00
86) Perylene-d12	15.539	264	205758	20.000 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	5.492	112	509184	124.890 ng	0.00
7) Phenol-d6	6.510	99	559443	121.101 ng	0.00
23) Nitrobenzene-d5	7.439	82	519687	125.195 ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	198226	124.986 ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1047440	122.404 ng	0.00
79) Terphenyl-d14	12.998	244	1057426	115.147 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.604	88	109742	65.106 ng	99
3) Pyridine	3.375	79	307664	65.424 ng	97
4) n-Nitrosodimethylamine	3.334	42	166098	67.619 ng	97
6) Aniline	6.539	93	409356	62.194 ng	99
8) 2-Chlorophenol	6.663	128	247503	61.902 ng	99
9) Benzaldehyde	6.428	77	150534	57.706 ng	98
10) Phenol	6.522	94	342646	60.707 ng	90
11) bis(2-Chloroethyl)ether	6.610	93	256657	62.405 ng	96
12) 1,3-Dichlorobenzene	6.816	146	303642	61.543 ng	98
13) 1,4-Dichlorobenzene	6.892	146	306973	62.104 ng	99
14) 1,2-Dichlorobenzene	7.045	146	293432	61.936 ng	99
15) Benzyl Alcohol	7.016	79	229107	62.632 ng	97
16) 2,2'-oxybis(1-Chloropr...	7.145	45	467387	61.712 ng	96
17) 2-Methylphenol	7.128	107	191705	60.269 ng	96
18) Hexachloroethane	7.386	117	103964	63.308 ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	179314	58.963 ng	96
20) 3+4-Methylphenols	7.281	107	224891	59.977 ng	91
22) Acetophenone	7.286	105	302907	58.897 ng	94
24) Nitrobenzene	7.463	77	285924	63.439 ng	98
25) Isophorone	7.698	82	485836	61.876 ng	99
26) 2-Nitrophenol	7.775	139	144140	64.606 ng	96
27) 2,4-Dimethylphenol	7.810	122	212249	63.471 ng	95
28) bis(2-Chloroethoxy)met...	7.904	93	304411	62.085 ng	99
29) 2,4-Dichlorophenol	8.016	162	234718	60.899 ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	240858	60.858 ng	98
31) Naphthalene	8.181	128	684579	60.028 ng	100
32) Benzoic acid	7.933	122	136682	55.761 ng	96
33) 4-Chloroaniline	8.228	127	255554	61.441 ng	98
34) Hexachlorobutadiene	8.298	225	182626	61.229 ng	98
35) Caprolactam	8.610	113	62840	59.512 ng	95
36) 4-Chloro-3-methylphenol	8.710	107	208910	60.481 ng	99
37) 2-Methylnaphthalene	8.875	142	447909	58.743 ng	98
38) 1-Methylnaphthalene	8.975	142	431529	58.654 ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	271508	65.549 ng	99
41) Hexachlorocyclopentadiene	9.022	237	95909	64.419 ng	96
43) 2,4,6-Trichlorophenol	9.151	196	185412	65.769 ng	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144175.D
Acq On : 05 Nov 2025 16:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 17:24:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	190324	62.639 ng	99
46) 1,1'-Biphenyl	9.339	154	549700	62.310 ng	99
47) 2-Chloronaphthalene	9.363	162	474514	63.056 ng	99
48) 2-Nitroaniline	9.457	65	141938	65.370 ng	98
49) Acenaphthylene	9.775	152	636324	62.050 ng	100
50) Dimethylphthalate	9.633	163	521205	62.250 ng	99
51) 2,6-Dinitrotoluene	9.698	165	110140	64.983 ng	99
52) Acenaphthene	9.951	154	423653	61.778 ng	99
53) 3-Nitroaniline	9.869	138	119967	64.749 ng	100
54) 2,4-Dinitrophenol	9.980	184	63597	62.138 ng	98
55) Dibenzofuran	10.122	168	592400	61.680 ng	98
56) 4-Nitrophenol	10.033	139	80163	59.812 ng	97
57) 2,4-Dinitrotoluene	10.104	165	142910	62.984 ng	97
58) Fluorene	10.469	166	435687	59.664 ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	140953	65.569 ng	97
60) Diethylphthalate	10.333	149	468931	60.755 ng	98
61) 4-Chlorophenyl-phenyle...	10.457	204	249857	60.068 ng	97
62) 4-Nitroaniline	10.486	138	109153	61.862 ng	97
63) Azobenzene	10.616	77	453890	63.187 ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	90823	62.727 ng	97
66) n-Nitrosodiphenylamine	10.574	169	421720	61.520 ng	99
67) 4-Bromophenyl-phenylether	10.951	248	170395	62.634 ng	99
68) Hexachlorobenzene	11.016	284	204258	63.744 ng	96
69) Atrazine	11.104	200	134002	61.467 ng	100
70) Pentachlorophenol	11.216	266	103466	64.842 ng	99
71) Phenanthrene	11.433	178	641461	60.448 ng	99
72) Anthracene	11.486	178	656819	60.871 ng	100
73) Carbazole	11.639	167	546322	59.542 ng	100
74) Di-n-butylphthalate	11.969	149	677444	61.075 ng	99
75) Fluoranthene	12.627	202	667021	60.849 ng	99
77) Benzidine	12.745	184	277725	64.368 ng	100
78) Pyrene	12.857	202	686663	58.384 ng	100
80) Butylbenzylphthalate	13.468	149	249274	61.152 ng	100
81) Benzo(a)anthracene	14.051	228	653341	64.625 ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	232807	67.182 ng	96
83) Chrysene	14.086	228	580449	62.196 ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	351501	62.991 ng	98
85) Di-n-octyl phthalate	14.645	149	631065	65.547 ng	100
87) Indeno(1,2,3-cd)pyrene	17.056	276	938738	63.557 ng	100
88) Benzo(b)fluoranthene	15.109	252	700099	59.849 ng	99
89) Benzo(k)fluoranthene	15.139	252	699851	63.919 ng	98
90) Benzo(a)pyrene	15.480	252	680720	63.078 ng	99
91) Dibenzo(a,h)anthracene	17.074	278	746544	62.936 ng	98
92) Benzo(g,h,i)perylene	17.515	276	757880	64.699 ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

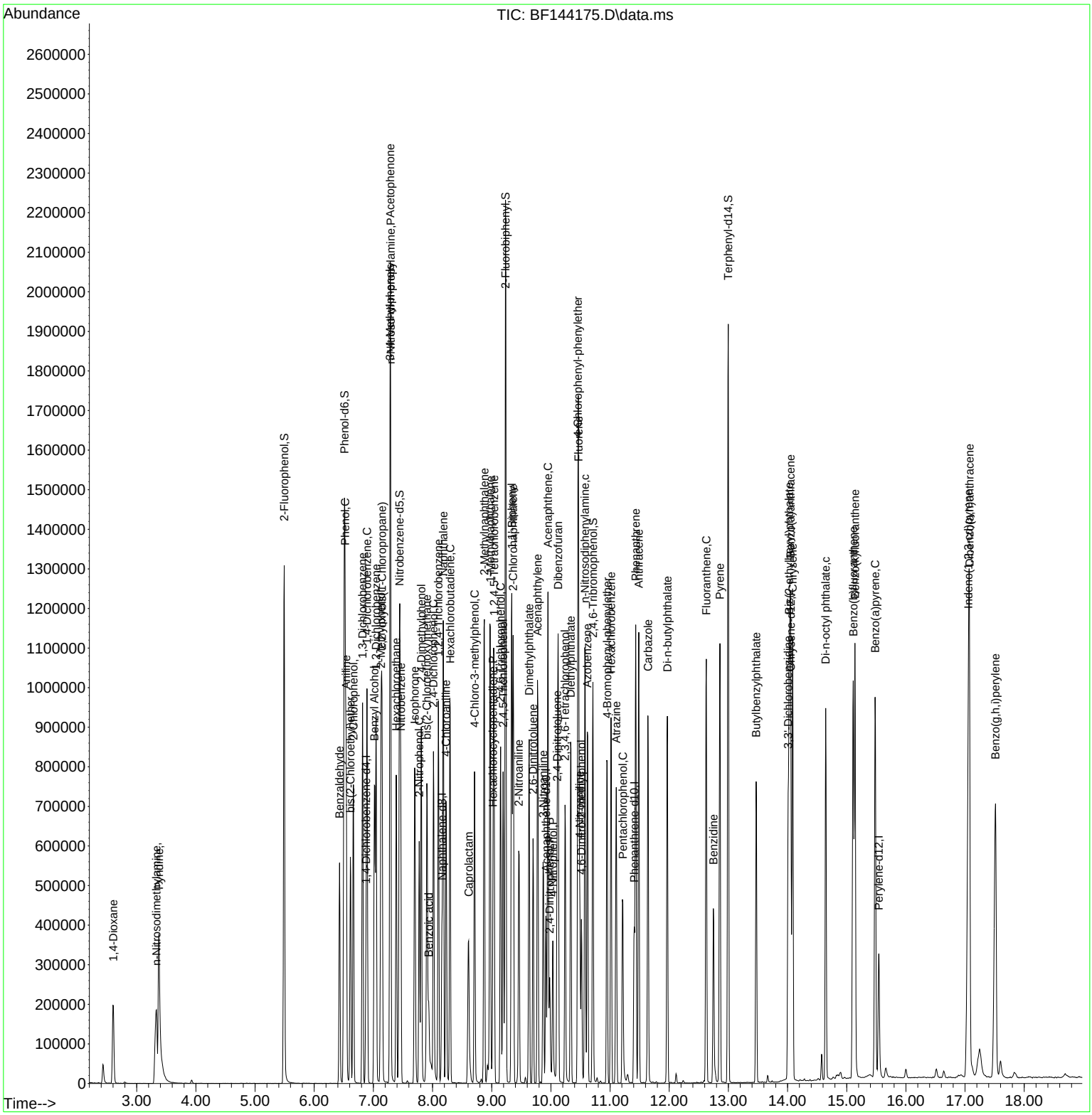
Quantitation Report (QT Reviewed)

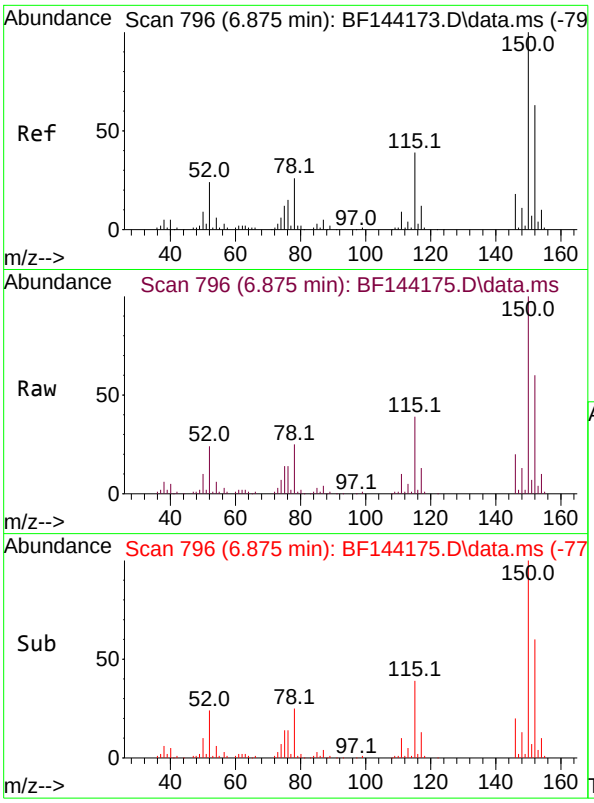
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144175.D
Acq On : 05 Nov 2025 16:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 17:24:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



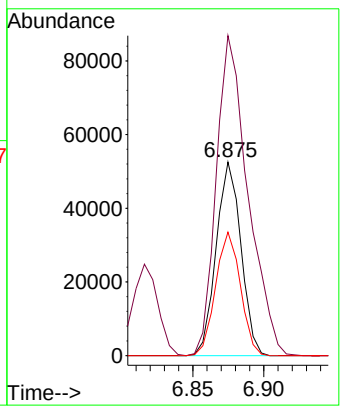


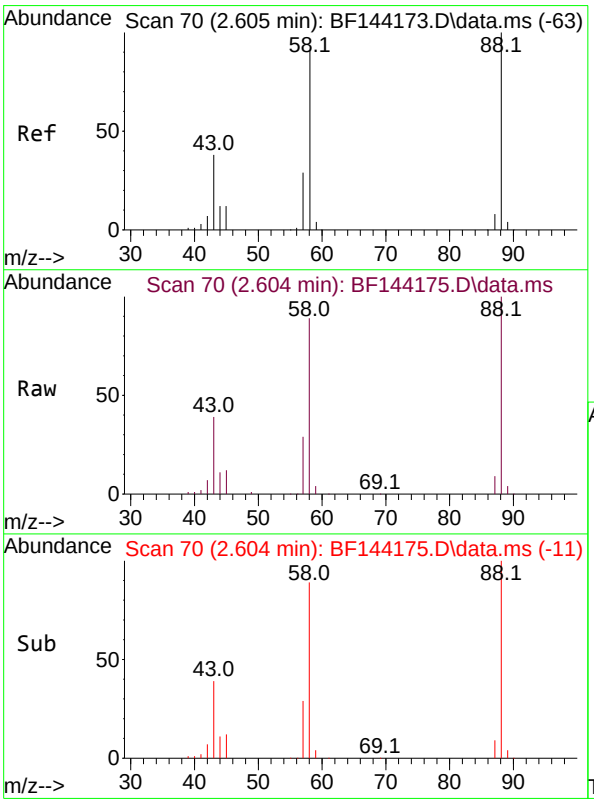
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 63801

Ion	Ratio	Lower	Upper
152	100		
150	165.3	127.4	191.0
115	63.8	49.5	74.3

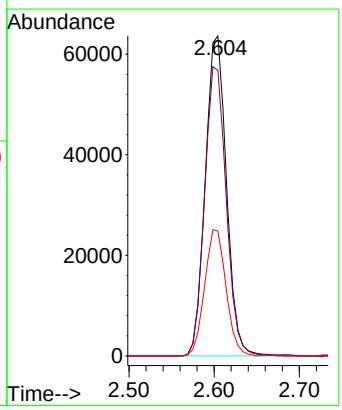


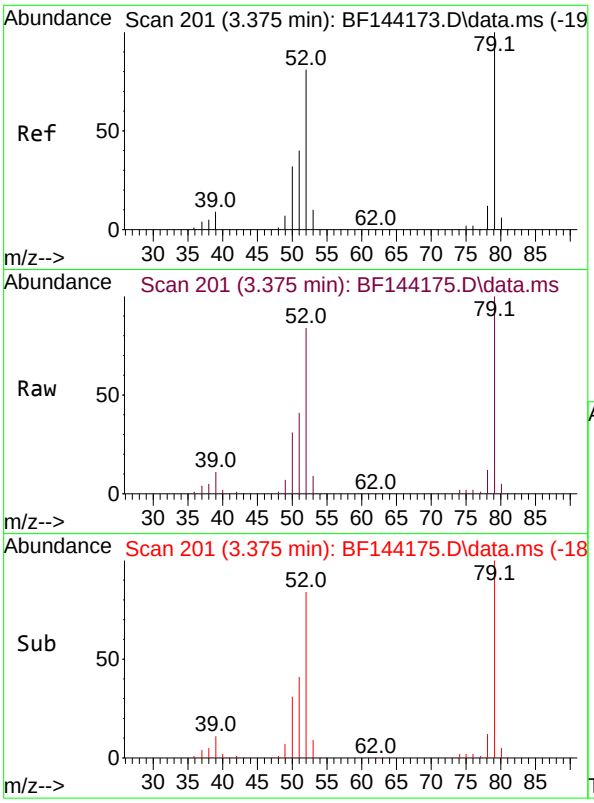


#2
1,4-Dioxane
Concen: 65.106 ng
RT: 2.604 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 88 Resp: 109742

Ion	Ratio	Lower	Upper
88	100		
58	92.2	73.1	109.7
43	39.9	31.0	46.6



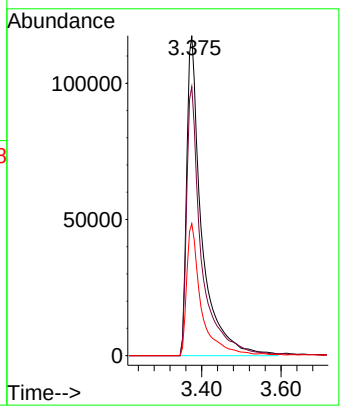


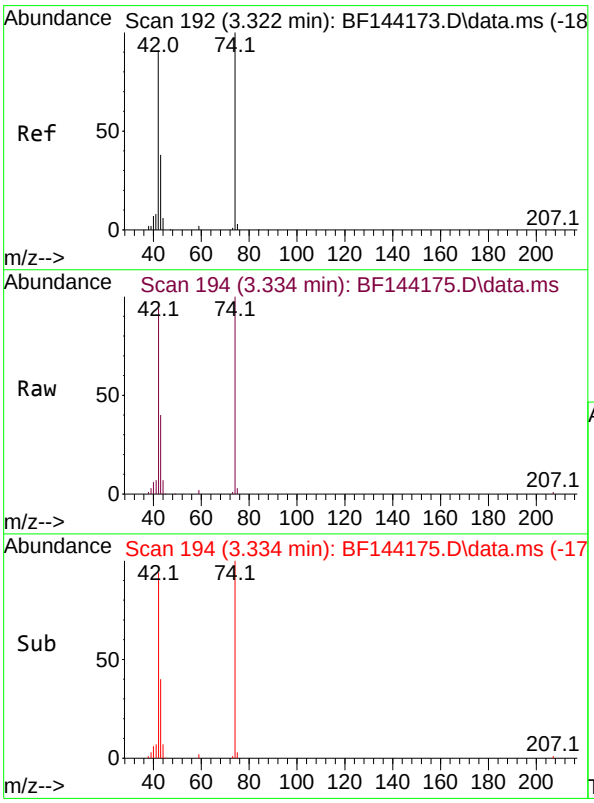
#3
Pyridine
Concen: 65.424 ng
RT: 3.375 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 307664

Ion	Ratio	Lower	Upper
79	100		
52	84.0	64.5	96.7
51	41.2	31.7	47.5

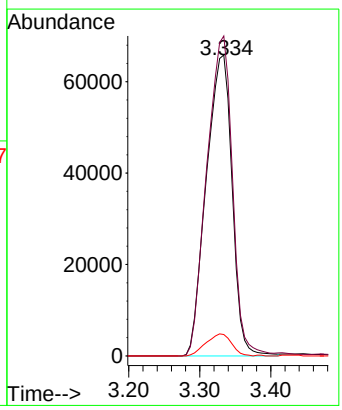


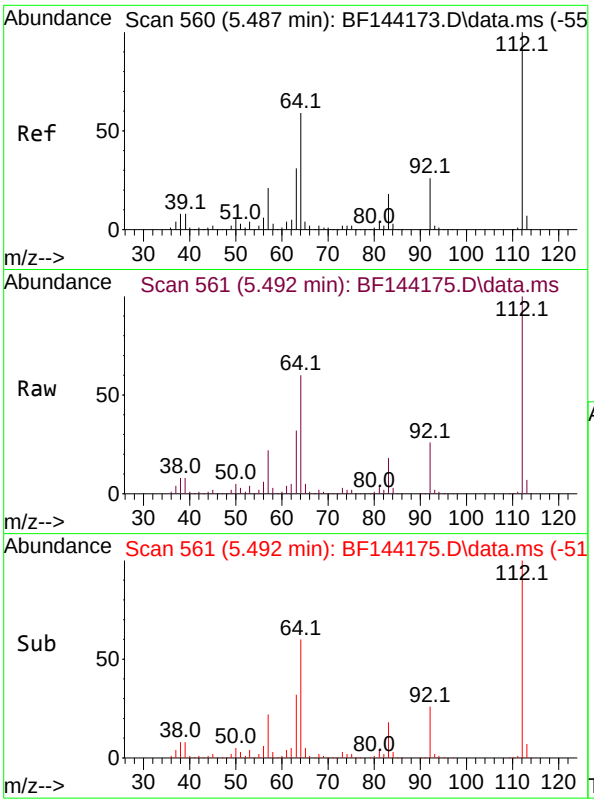


#4
n-Nitrosodimethylamine
Concen: 67.619 ng
RT: 3.334 min Scan# 194
Delta R.T. -0.012 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 42 Resp: 166098

Ion	Ratio	Lower	Upper
42	100		
74	106.4	88.2	132.4
44	7.1	5.7	8.5



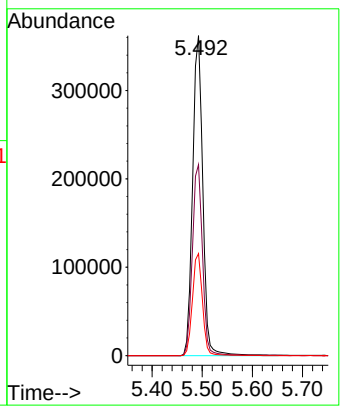


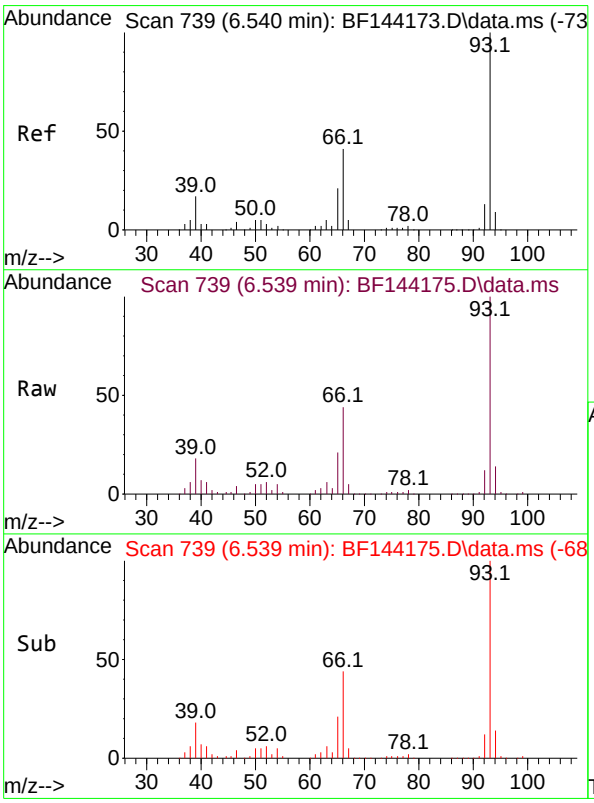
#5
2-Fluorophenol
Concen: 124.890 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 509184

Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.2	70.8
63	31.9	24.4	36.6

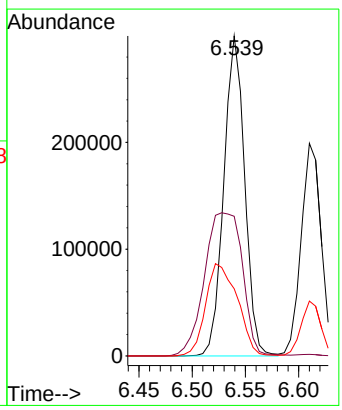


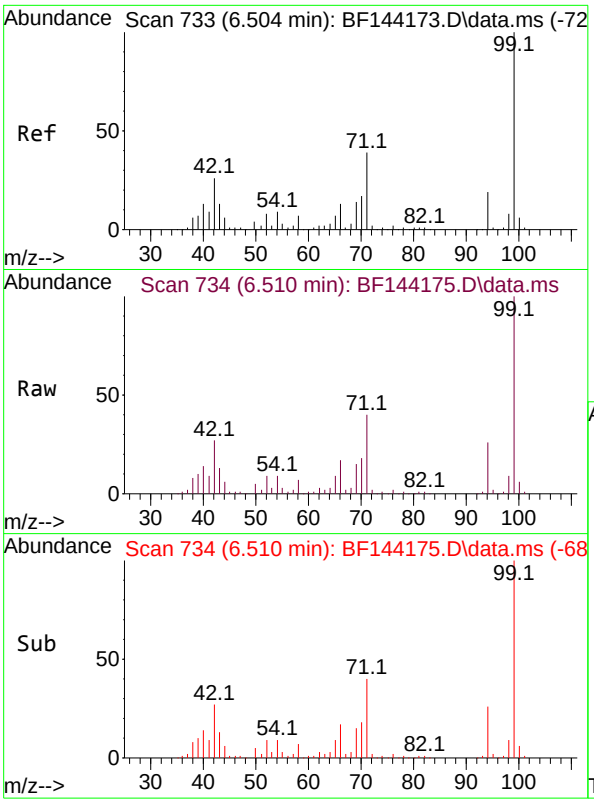


#6
Aniline
Concen: 62.194 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 93 Resp: 409356

Ion	Ratio	Lower	Upper
93	100		
66	43.6	34.3	51.5
65	21.0	16.9	25.3



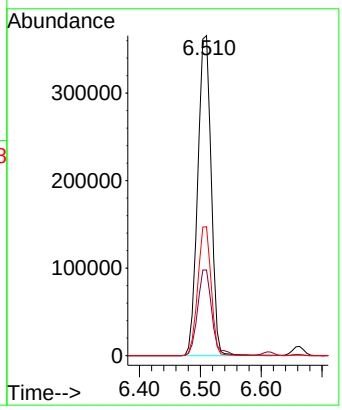


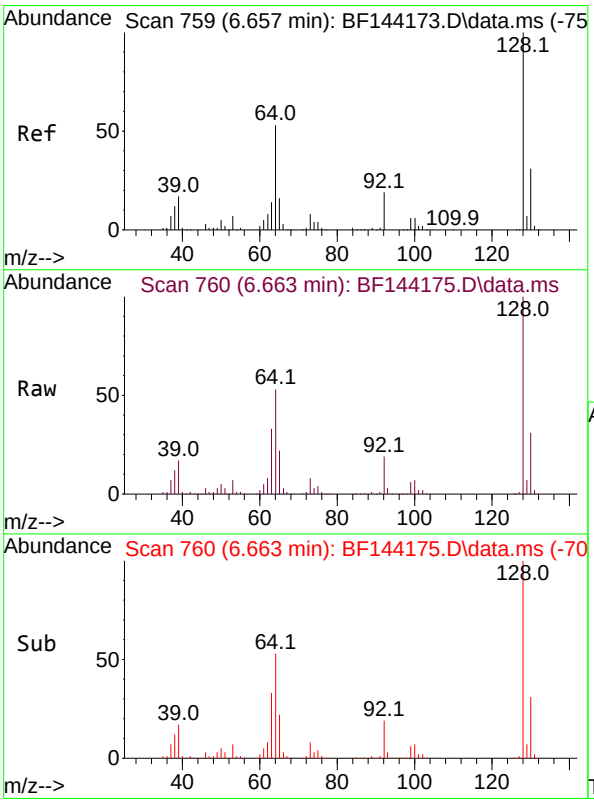
#7
Phenol-d6
Concen: 121.101 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 559443

Ion	Ratio	Lower	Upper
99	100		
42	26.8	20.9	31.3
71	40.3	31.4	47.2

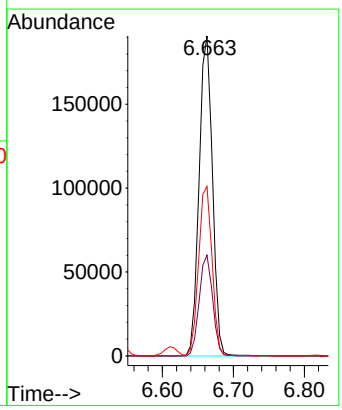


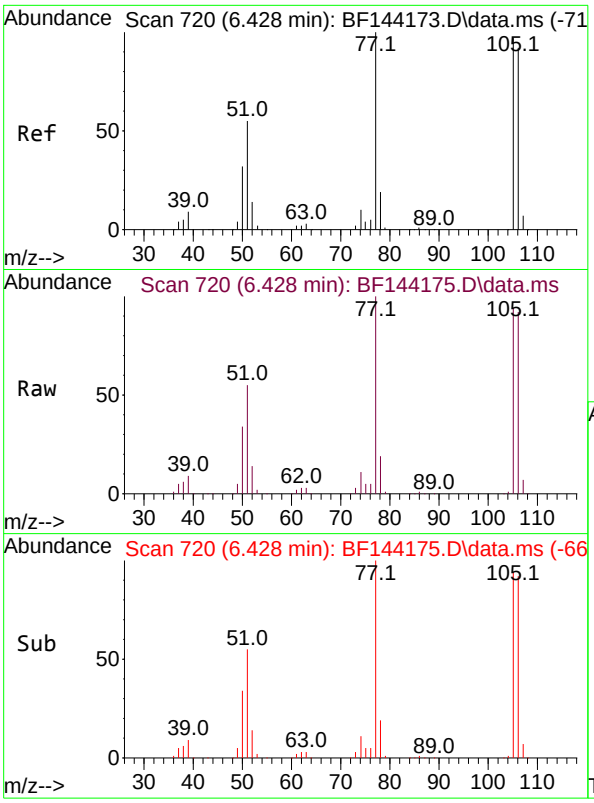


#8
2-Chlorophenol
Concen: 61.902 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:128 Resp: 247503

Ion	Ratio	Lower	Upper
128	100		
130	31.5	10.5	50.5
64	52.9	33.2	73.2



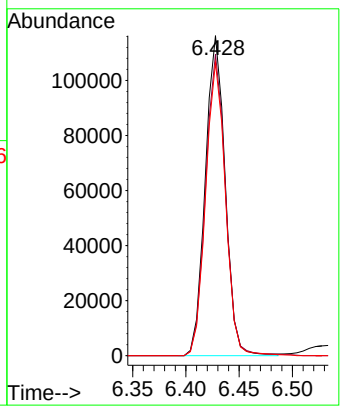


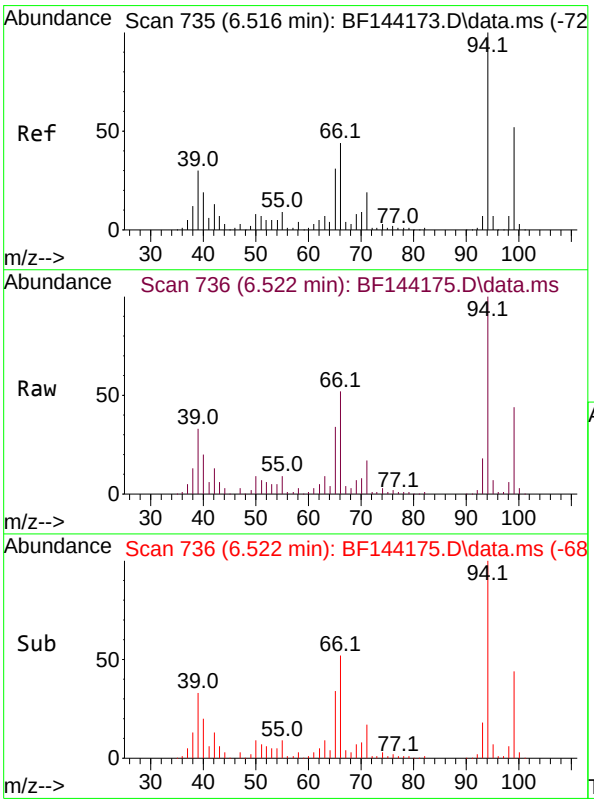
#9
Benzaldehyde
Concen: 57.706 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 150534

Ion	Ratio	Lower	Upper
77	100		
105	94.2	77.2	117.2
106	91.6	72.2	112.2

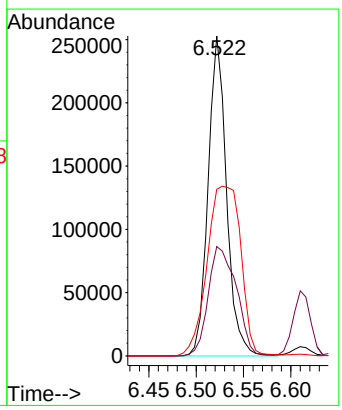


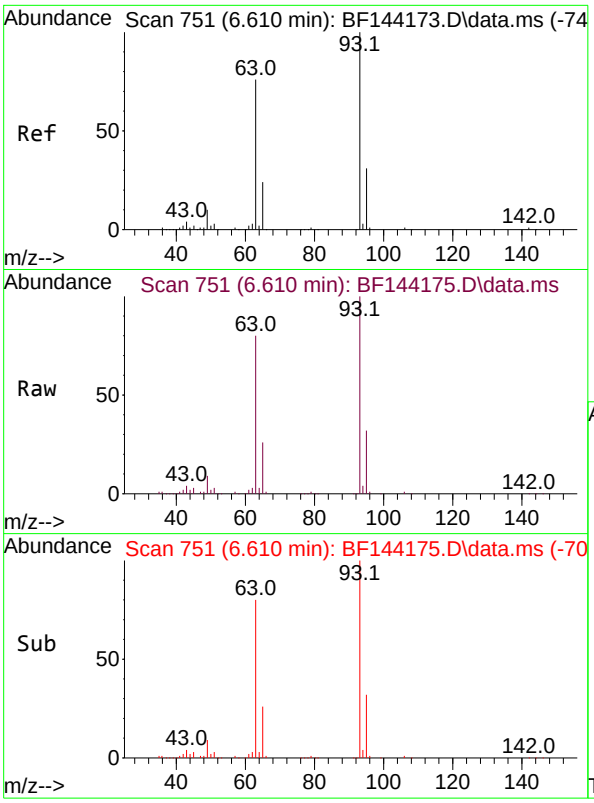


#10
Phenol
Concen: 60.707 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 94 Resp: 342646

Ion	Ratio	Lower	Upper
94	100		
65	34.2	10.8	50.8
66	52.1	24.3	64.3



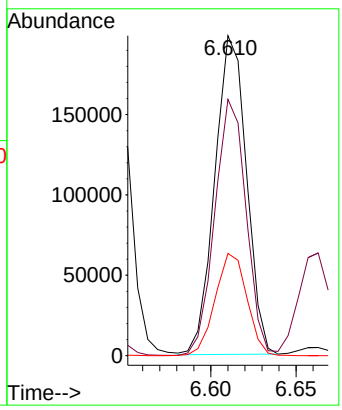


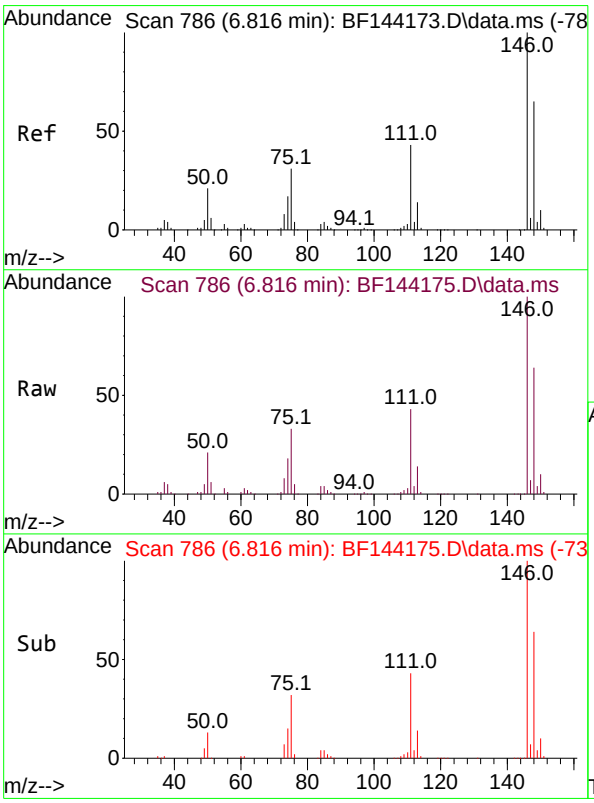
#11
bis(2-Chloroethyl)ether
Concen: 62.405 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 256657

Ion	Ratio	Lower	Upper
93	100		
63	80.1	55.2	95.2
95	31.9	11.2	51.2

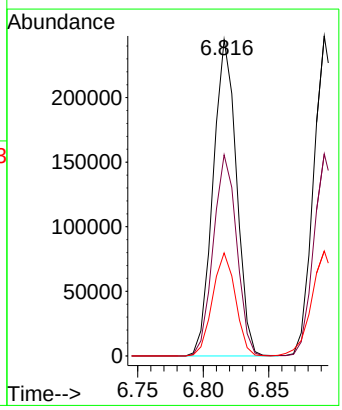


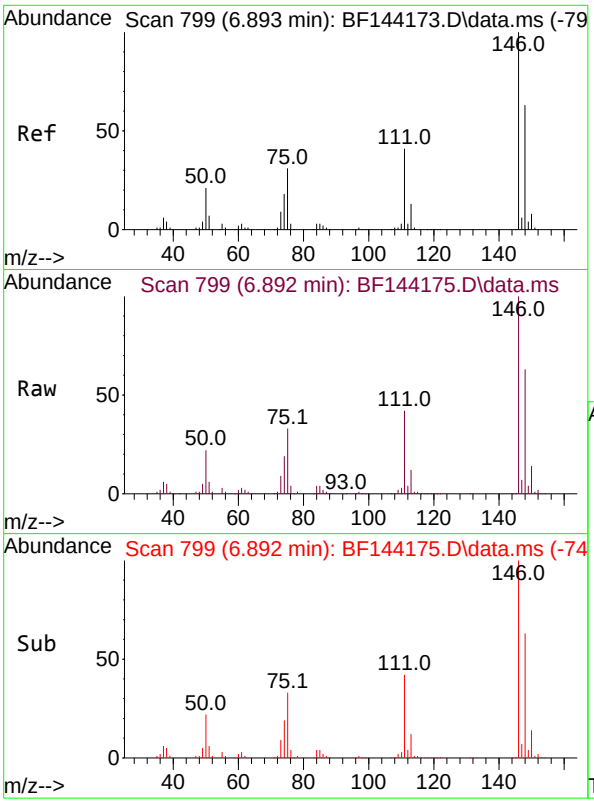


#12
1,3-Dichlorobenzene
Concen: 61.543 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:146 Resp: 303642

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.8	77.8
75	32.6	25.0	37.4



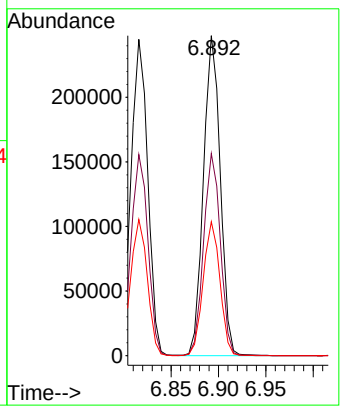


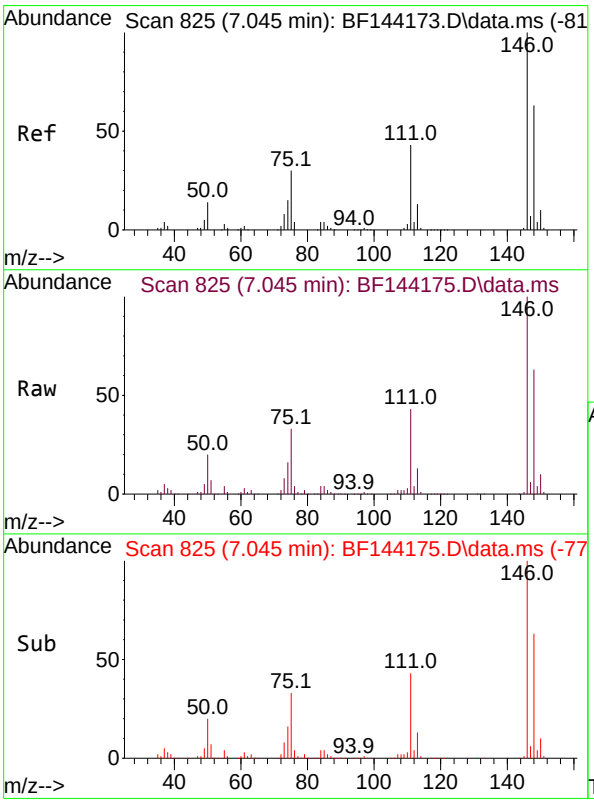
#13
1,4-Dichlorobenzene
Concen: 62.104 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 306973

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.2	75.2
111	41.8	32.6	48.8

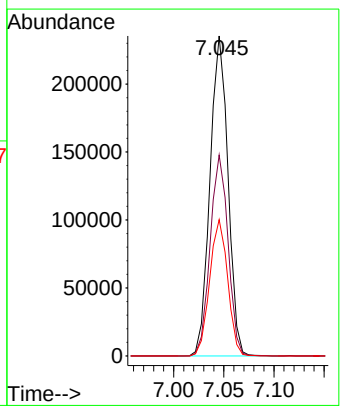


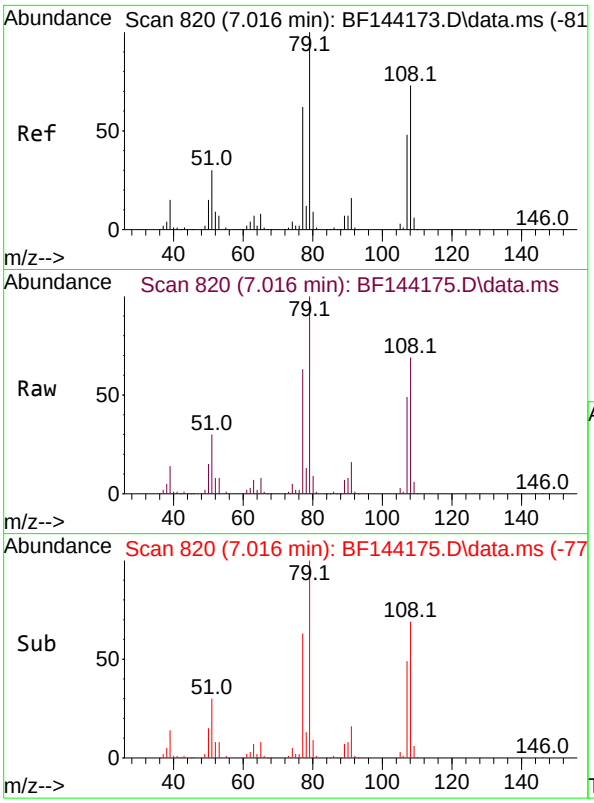


#14
1,2-Dichlorobenzene
Concen: 61.936 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:146 Resp: 293432

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.7	76.1
111	42.6	34.2	51.4



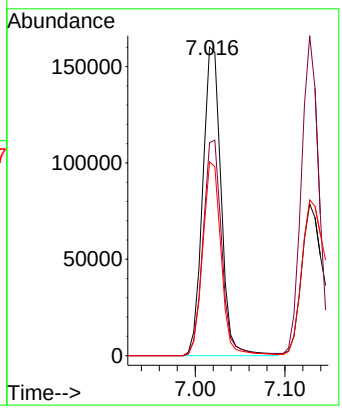


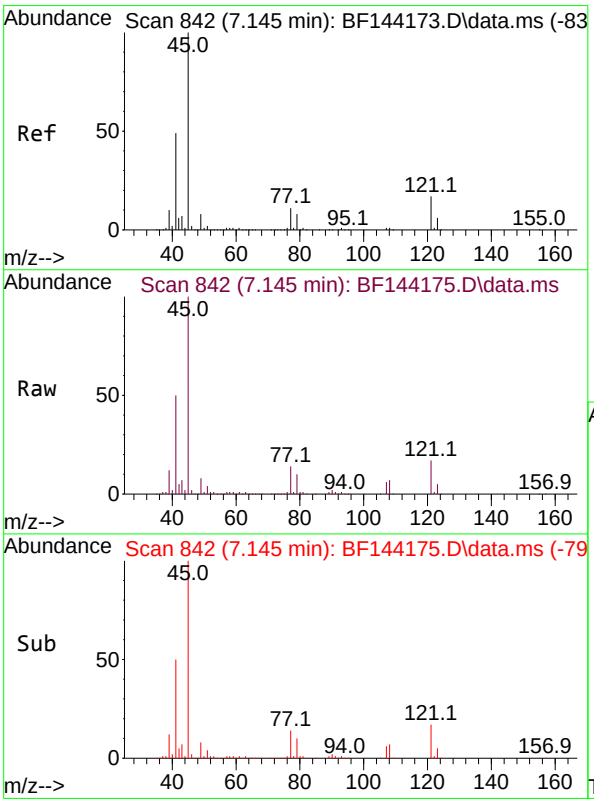
#15
Benzyl Alcohol
Concen: 62.632 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 229107

Ion	Ratio	Lower	Upper
79	100		
108	69.0	58.2	87.4
77	62.8	49.9	74.9

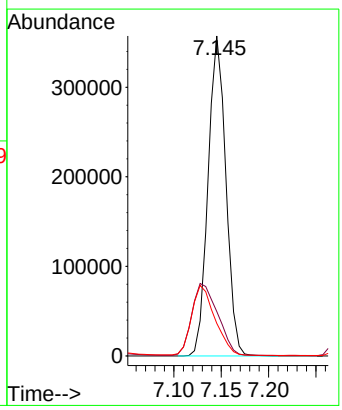


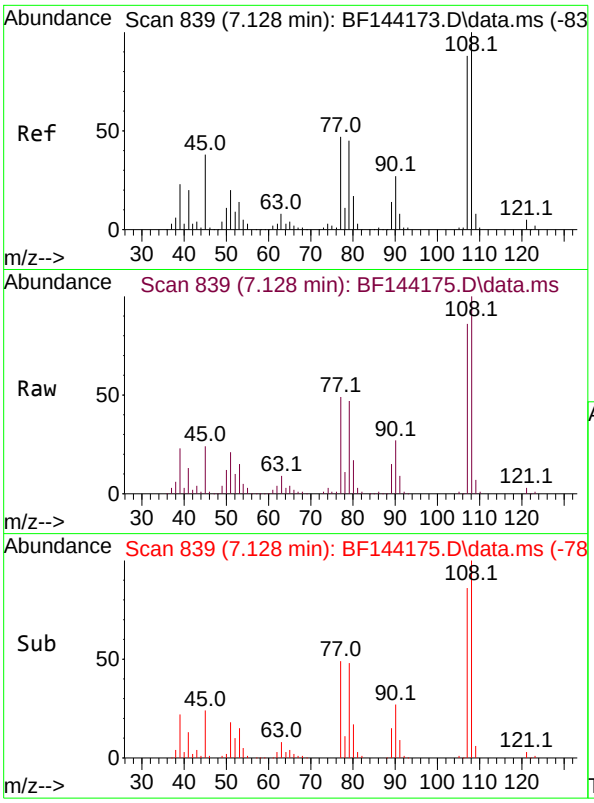


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.712 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 45 Resp: 467387

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	31.8
79	10.2	0.0	29.1



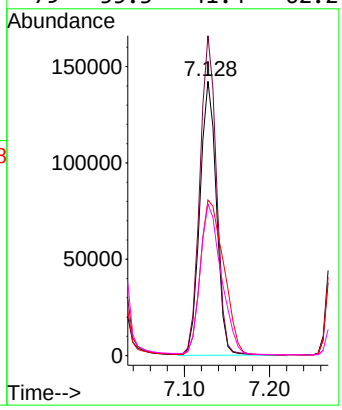


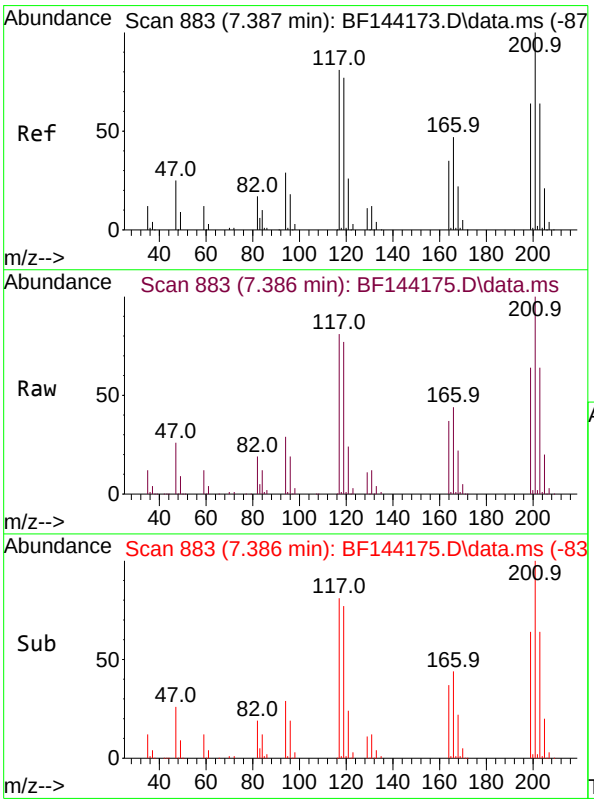
#17
2-Methylphenol
Concen: 60.269 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 191705

Ion	Ratio	Lower	Upper
107	100		
108	116.6	91.0	136.4
77	56.7	42.7	64.1
79	55.3	41.4	62.2

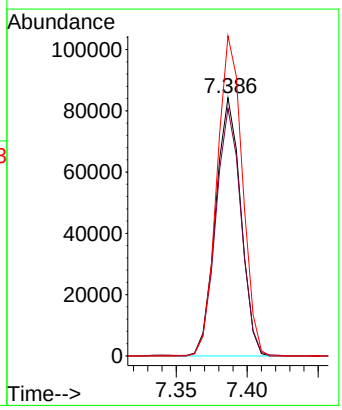


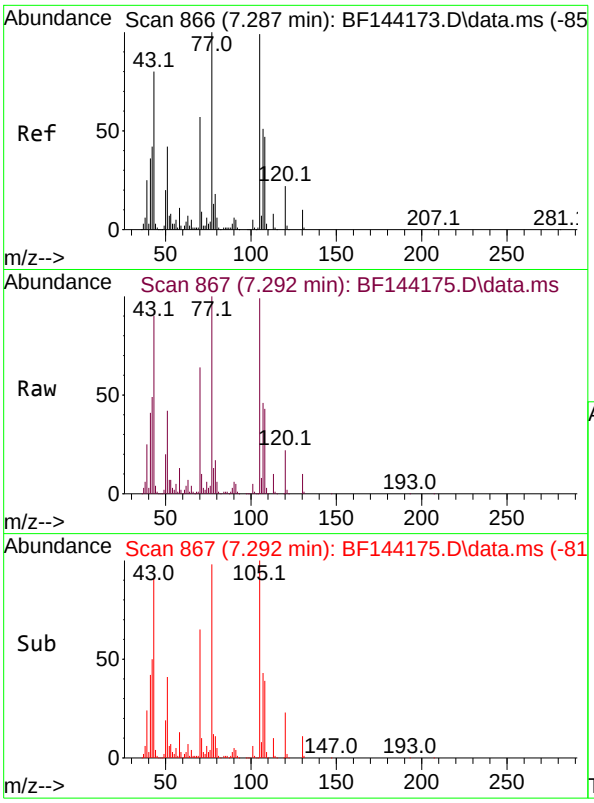


#18
Hexachloroethane
Concen: 63.308 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:117 Resp: 103964

Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.8	113.8
201	123.9	98.9	148.3



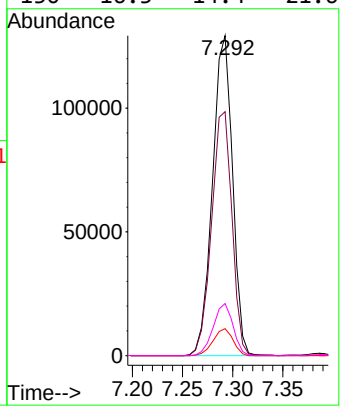


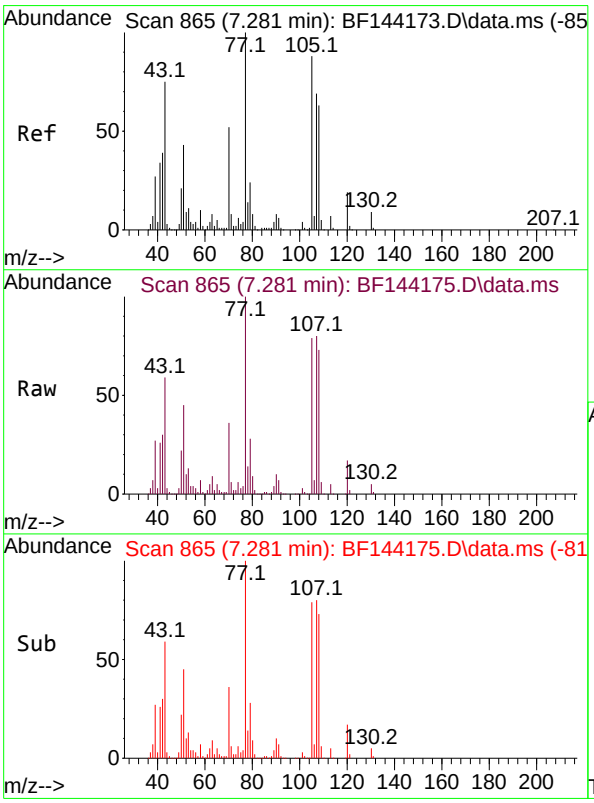
#19
n-Nitroso-di-n-propylamine
Concen: 58.963 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 179314

Ion	Ratio	Lower	Upper
70	100		
42	76.2	58.3	87.5
101	8.4	7.0	10.6
130	16.3	14.4	21.6

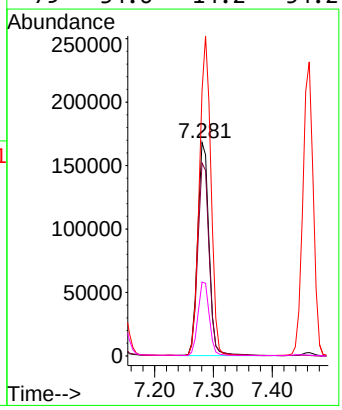


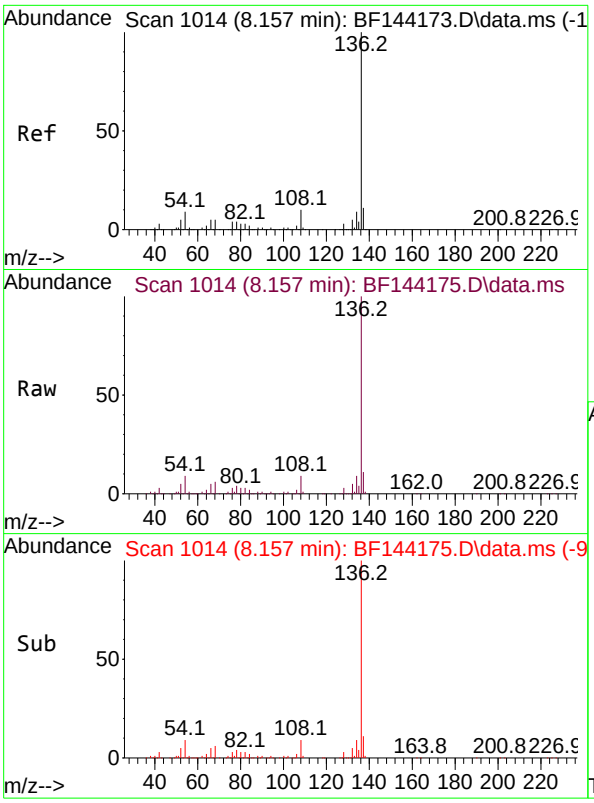


#20
3+4-Methylphenols
Concen: 59.977 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:107 Resp: 224891

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.2	110.2
77	124.2	123.9	163.9
79	34.6	14.2	54.2



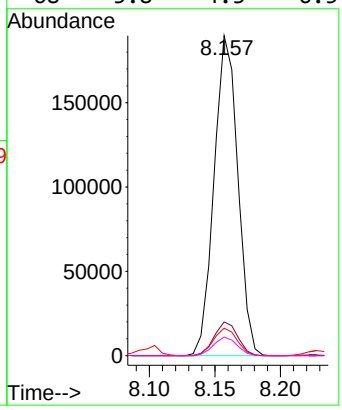


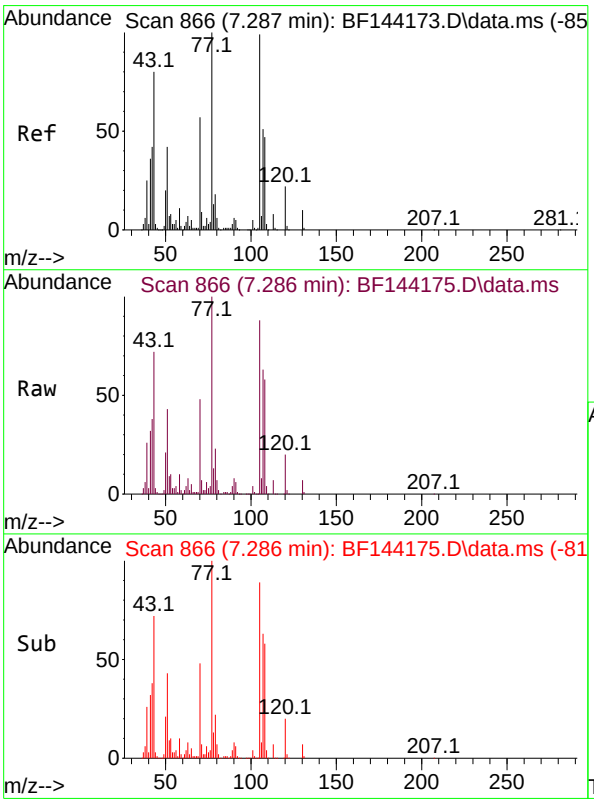
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 239743

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.6	7.0	10.6
68	5.8	4.3	6.5

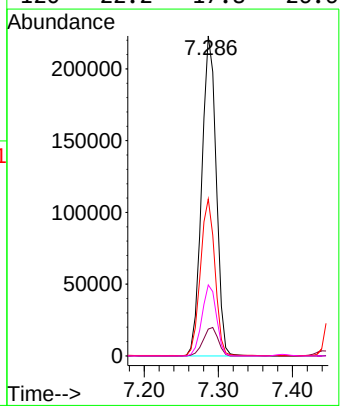


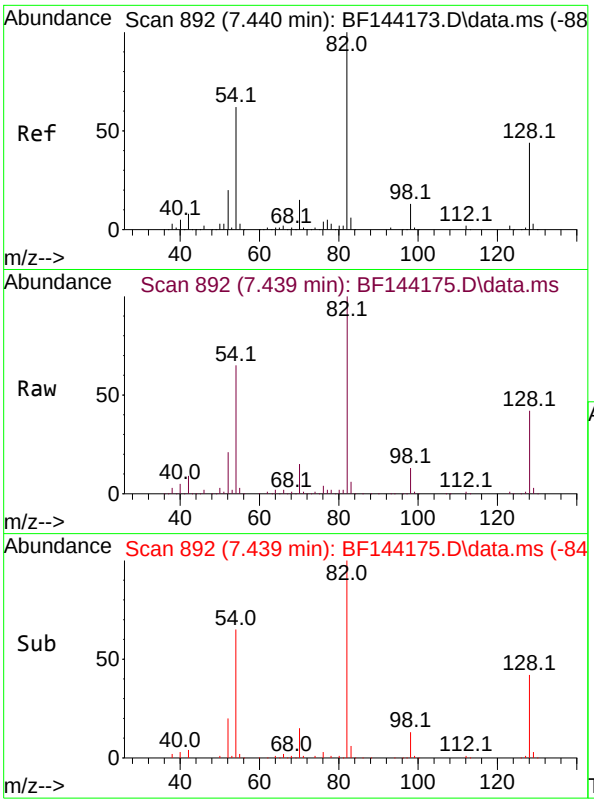


#22
Acetophenone
Concen: 58.897 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:105 Resp: 302907

Ion	Ratio	Lower	Upper
105	100		
71	8.4	7.2	10.8
51	49.0	34.0	51.0
120	22.2	17.8	26.6



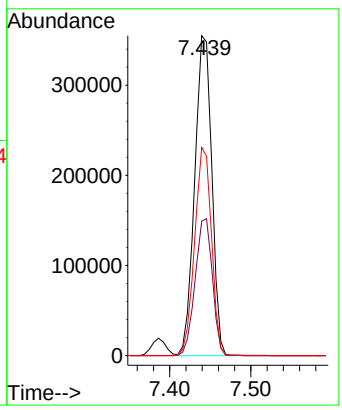


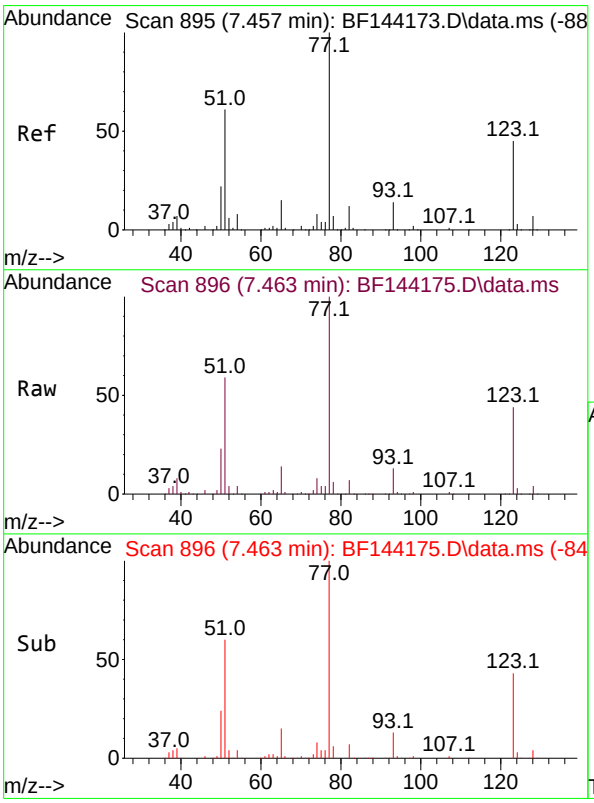
#23
Nitrobenzene-d5
Concen: 125.195 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 519687

Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.7	52.1
54	65.1	49.5	74.3

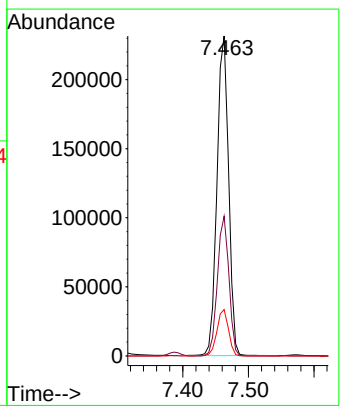


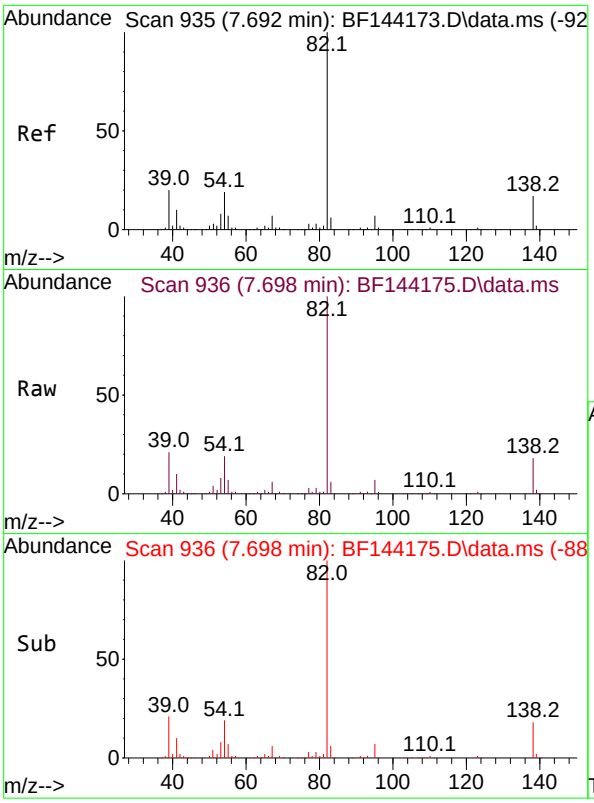


#24
Nitrobenzene
Concen: 63.439 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 77 Resp: 285924

Ion	Ratio	Lower	Upper
77	100		
123	43.6	35.8	53.8
65	14.5	12.2	18.2



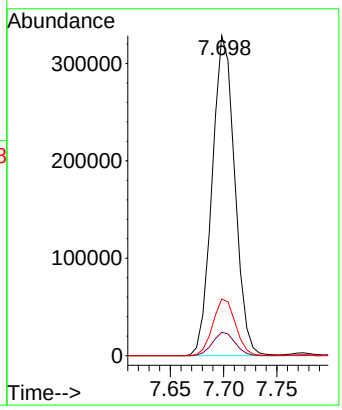


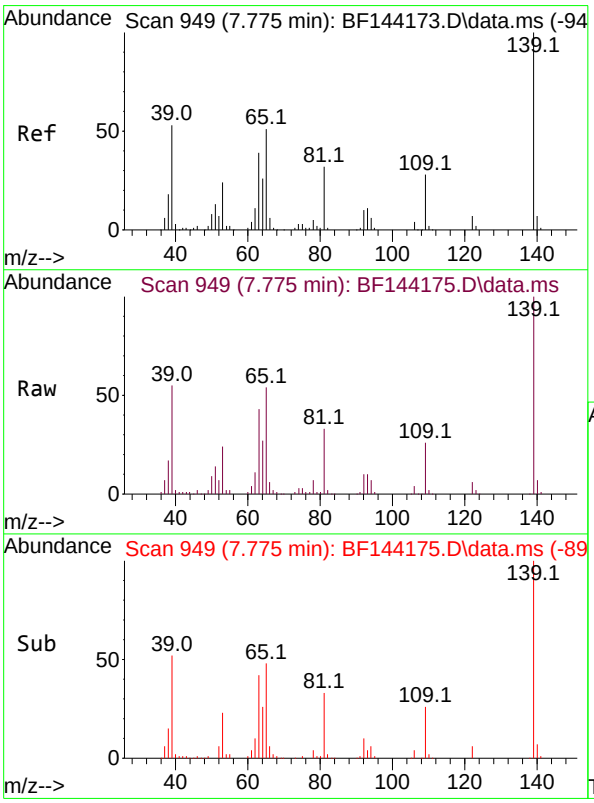
#25
Isophorone
Concen: 61.876 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 485836

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	17.7	13.7	20.5

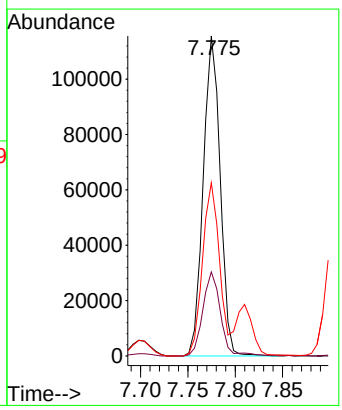


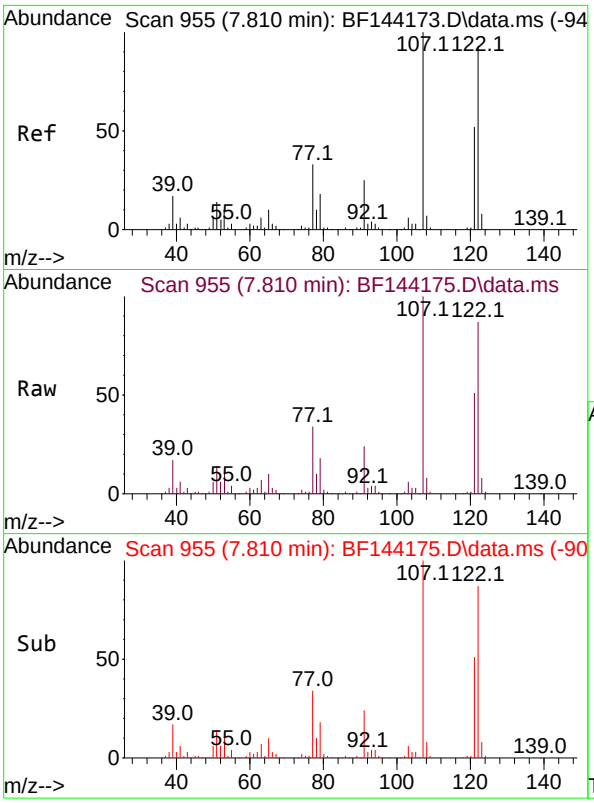


#26
2-Nitrophenol
Concen: 64.606 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:139 Resp: 144140

Ion	Ratio	Lower	Upper
139	100		
109	26.2	22.2	33.2
65	54.1	40.7	61.1



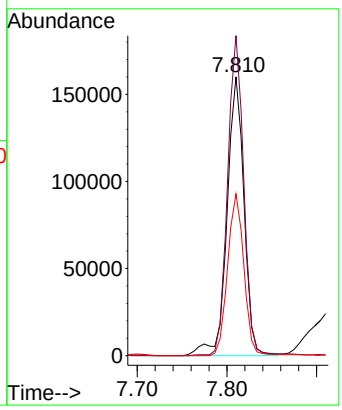


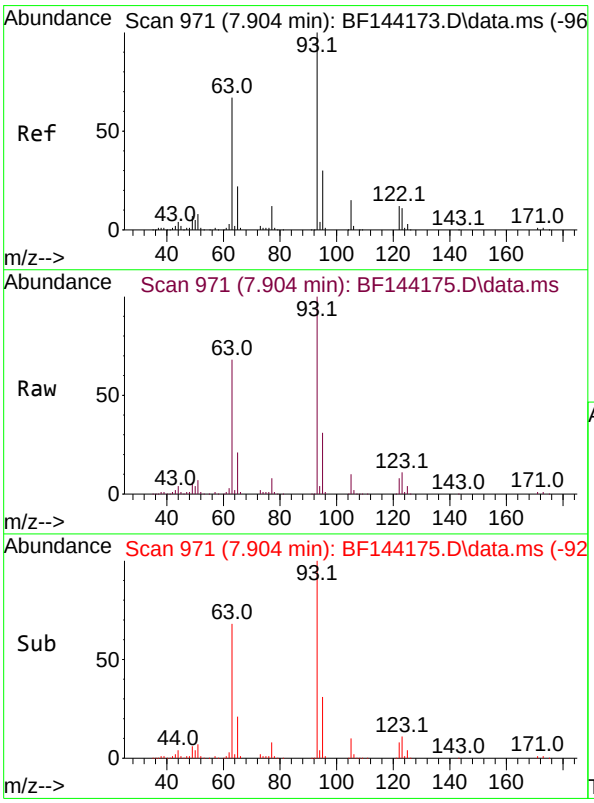
#27
2,4-Dimethylphenol
Concen: 63.471 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 212249

Ion	Ratio	Lower	Upper
122	100		
107	114.7	86.2	129.4
121	58.0	44.6	66.8

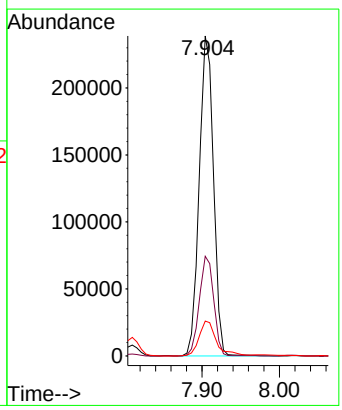


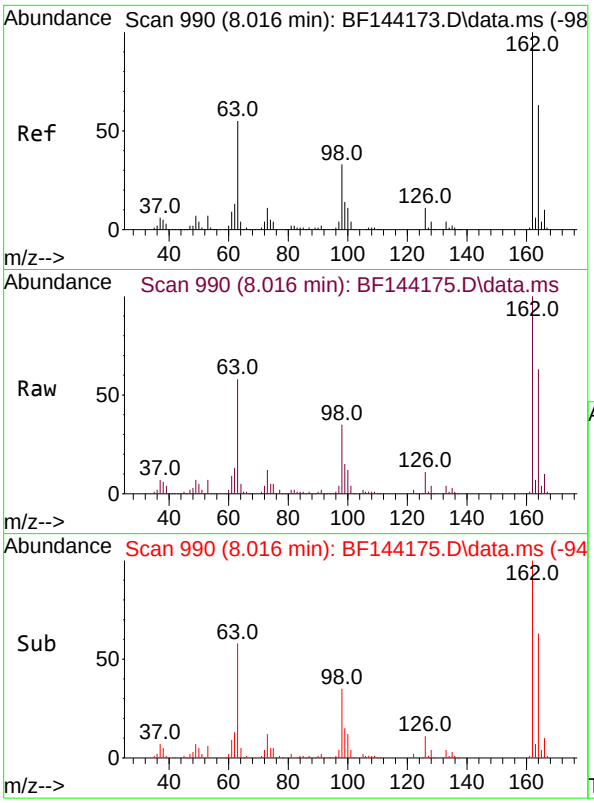


#28
bis(2-Chloroethoxy)methane
Concen: 62.085 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 93 Resp: 304411

Ion	Ratio	Lower	Upper
93	100		
95	31.1	24.2	36.4
123	10.9	9.0	13.4



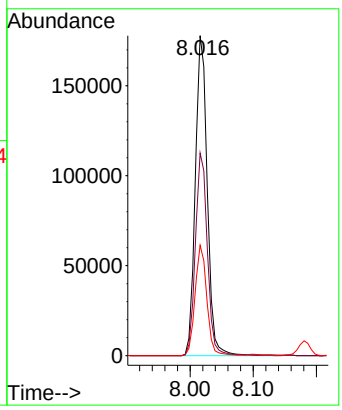


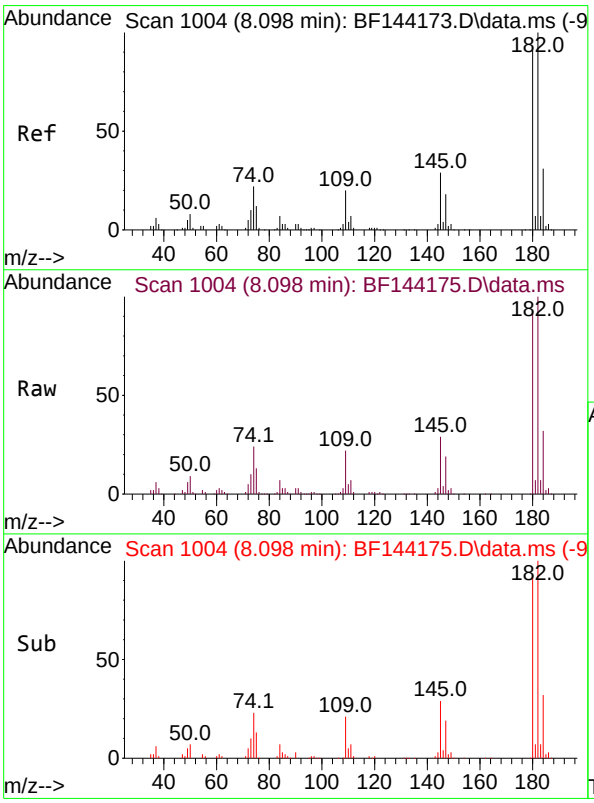
#29
2,4-Dichlorophenol
Concen: 60.899 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 234718

Ion	Ratio	Lower	Upper
162	100		
164	63.3	42.9	82.9
98	34.5	13.3	53.3

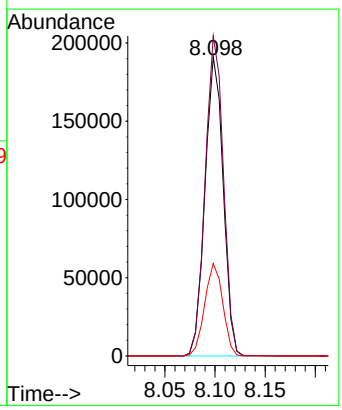


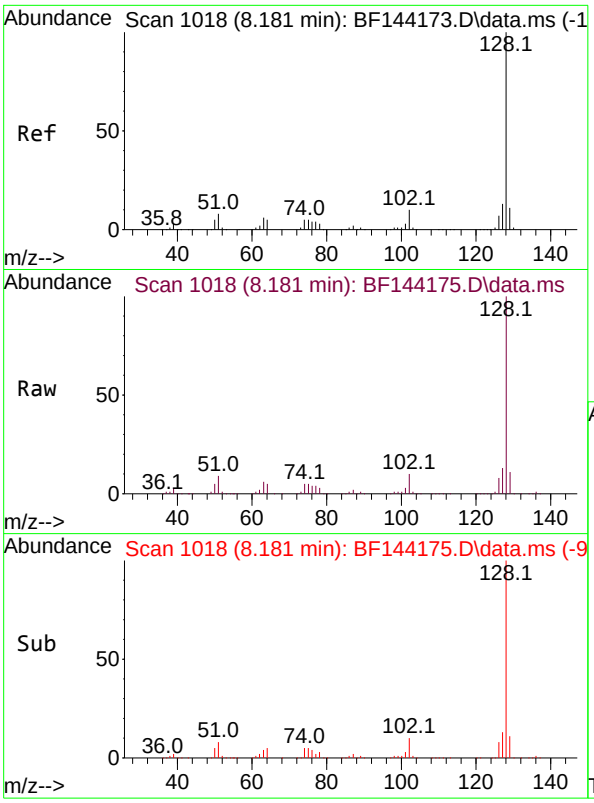


#30
1,2,4-Trichlorobenzene
Concen: 60.858 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:180 Resp: 240858

Ion	Ratio	Lower	Upper
180	100		
182	107.0	87.7	131.5
145	30.9	25.4	38.0



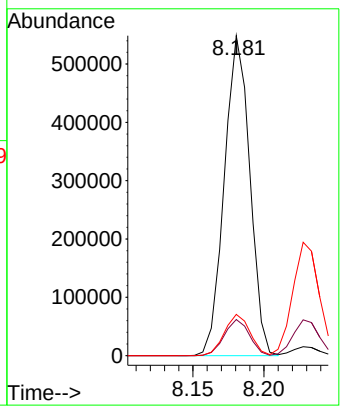


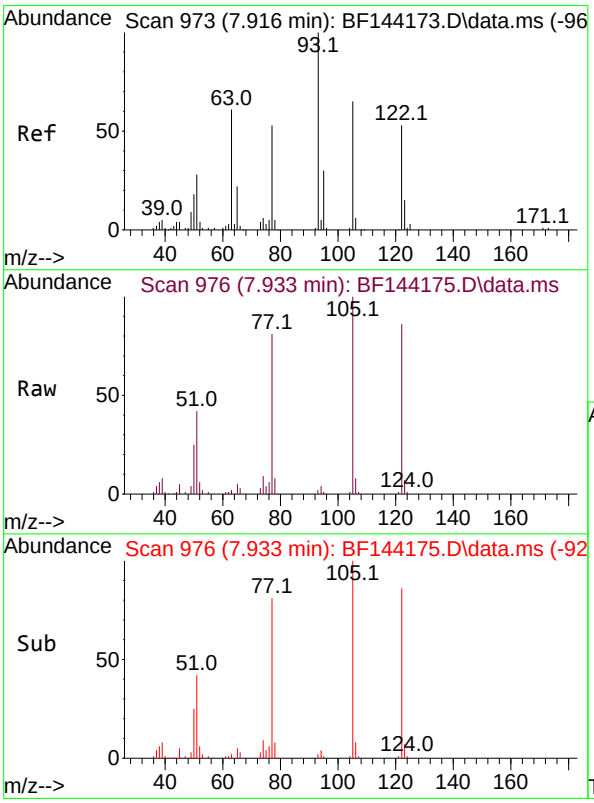
#31
Naphthalene
Concen: 60.028 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 684579

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	12.9	10.3	15.5

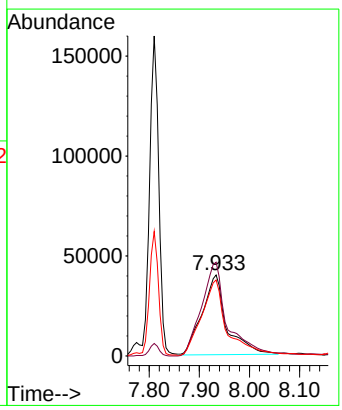


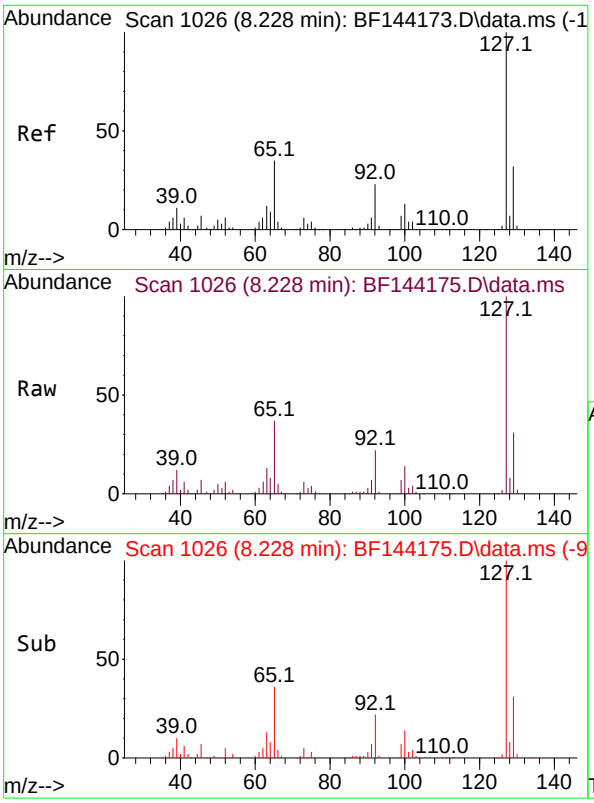


#32
Benzoic acid
Concen: 55.761 ng
RT: 7.933 min Scan# 976
Delta R.T. -0.018 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:122 Resp: 136682

Ion	Ratio	Lower	Upper
122	100		
105	115.8	99.9	139.9
77	93.8	77.5	117.5



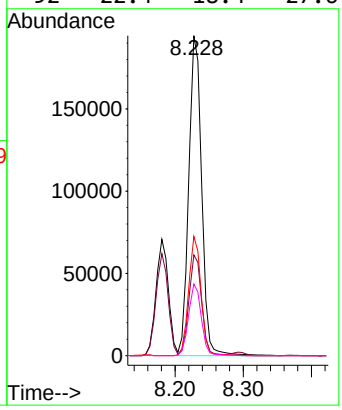


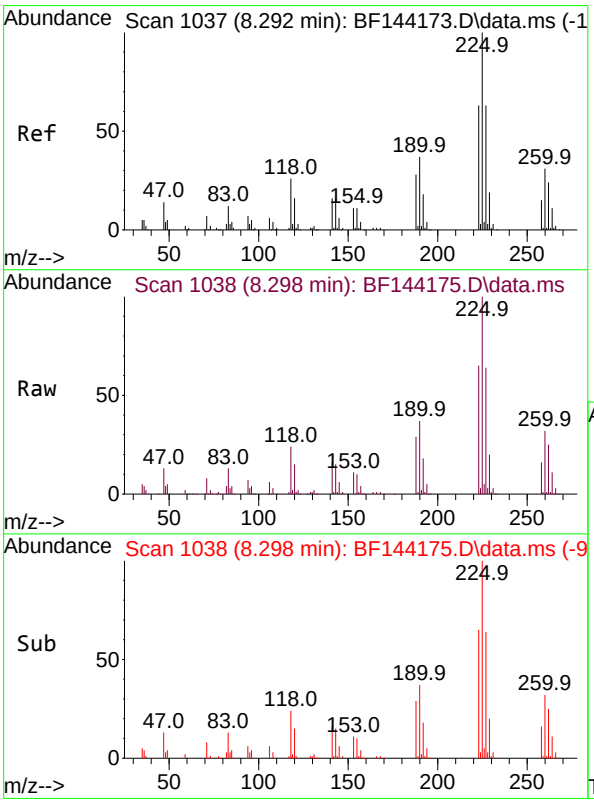
#33
4-Chloroaniline
Concen: 61.441 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 255554

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.3	37.9
65	37.2	27.6	41.4
92	22.4	18.4	27.6

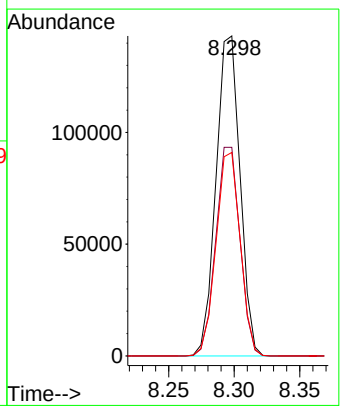


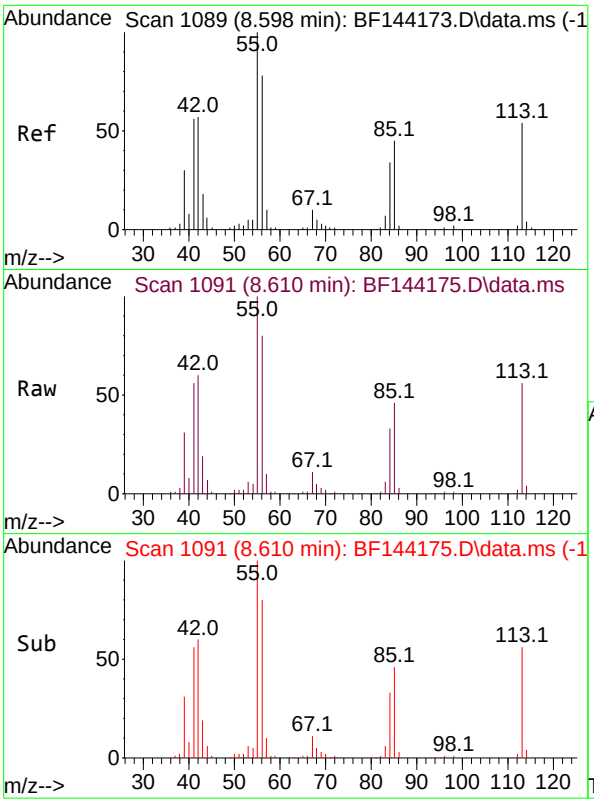


#34
Hexachlorobutadiene
Concen: 61.229 ng
RT: 8.298 min Scan# 1038
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:225 Resp: 182626

Ion	Ratio	Lower	Upper
225	100		
223	65.2	50.2	75.4
227	63.6	50.1	75.1



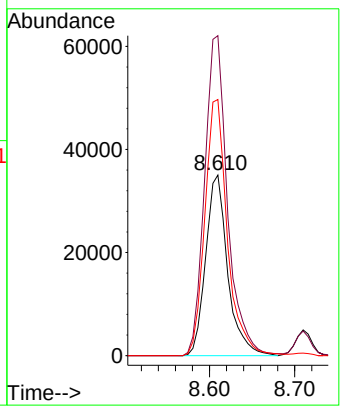


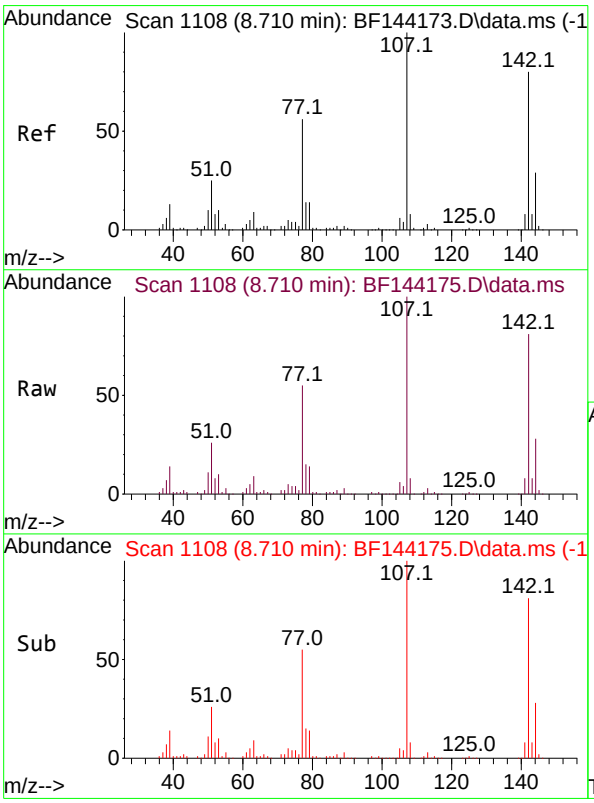
#35
Caprolactam
Concen: 59.512 ng
RT: 8.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 62840

Ion	Ratio	Lower	Upper
113	100		
55	177.2	166.8	206.8
56	141.8	125.9	165.9

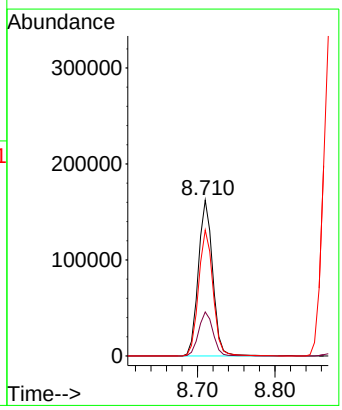


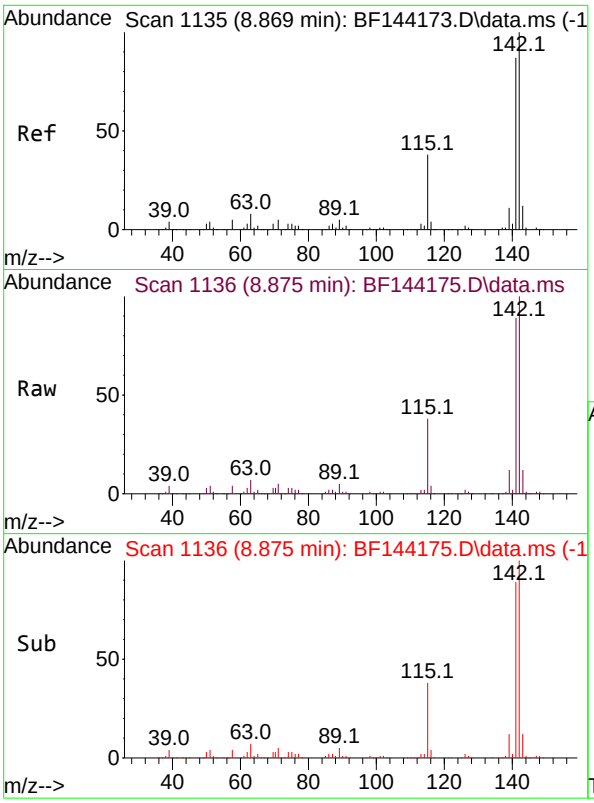


#36
4-Chloro-3-methylphenol
Concen: 60.481 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:107 Resp: 208910

Ion	Ratio	Lower	Upper
107	100		
144	28.2	23.3	34.9
142	80.8	63.8	95.6



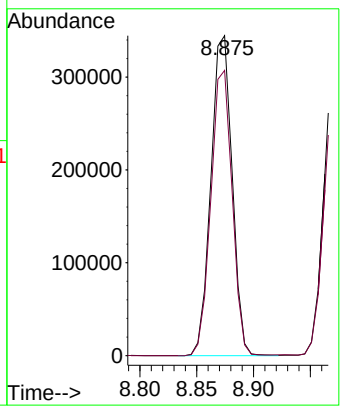


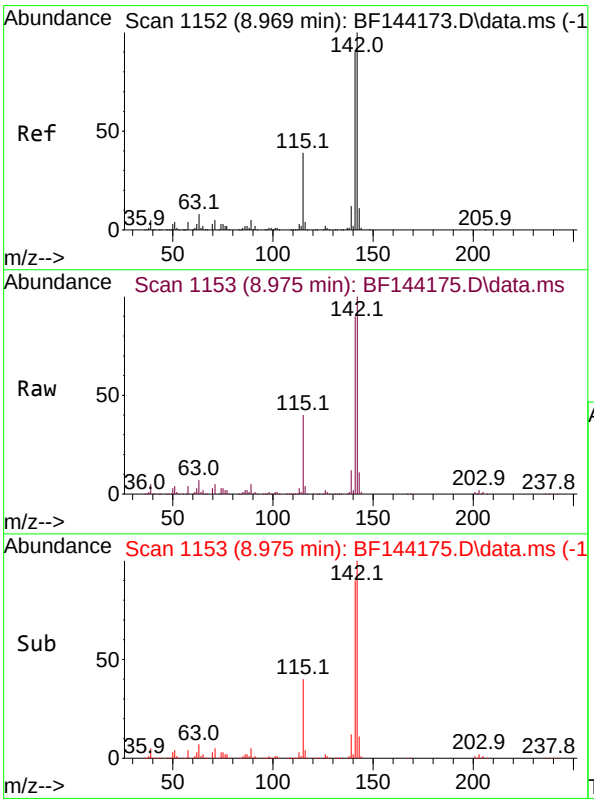
#37
2-Methylnaphthalene
Concen: 58.743 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 447909

Ion	Ratio	Lower	Upper
142	100		
141	89.1	69.9	104.9

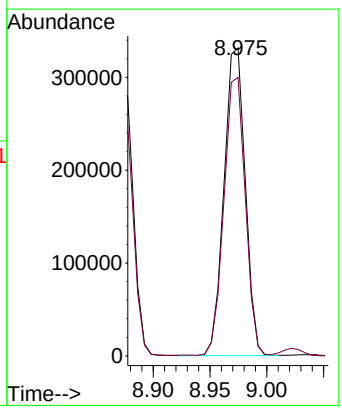


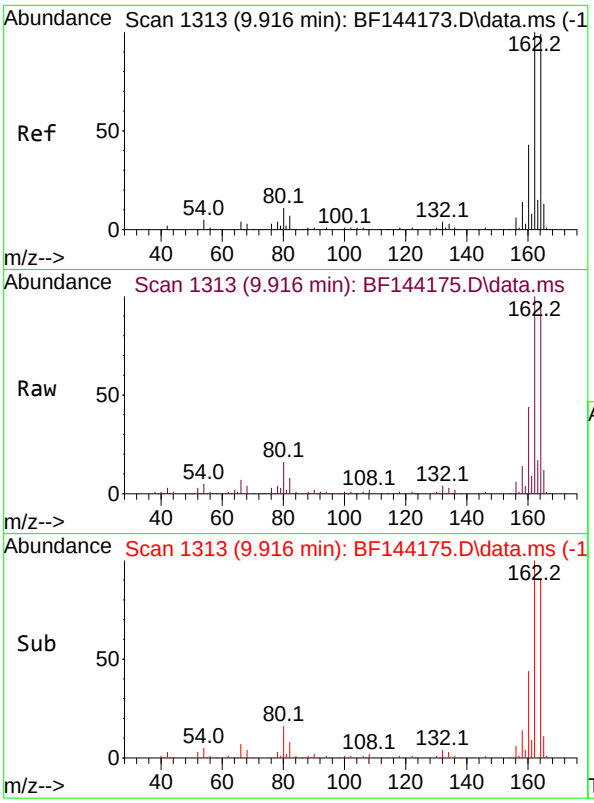


#38
1-Methylnaphthalene
Concen: 58.654 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:142 Resp: 431529

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.1	108.1



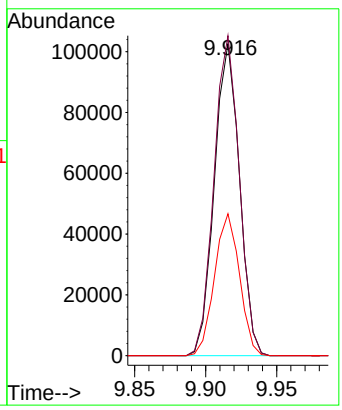


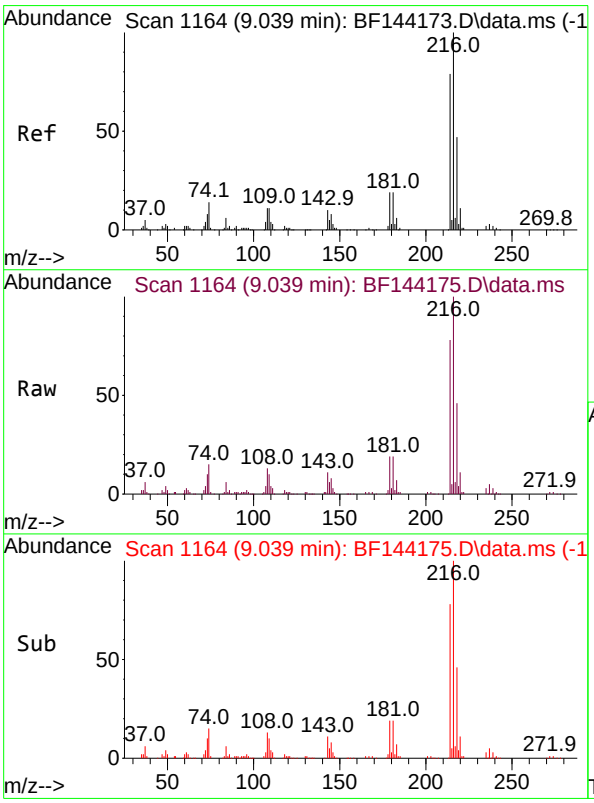
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 126385

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.1	121.7
160	45.5	34.5	51.7

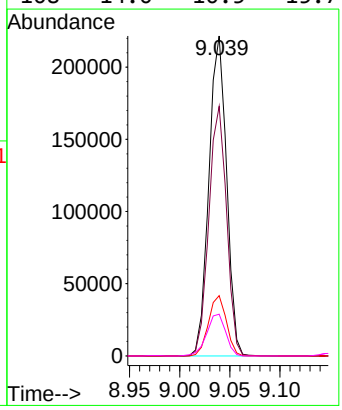


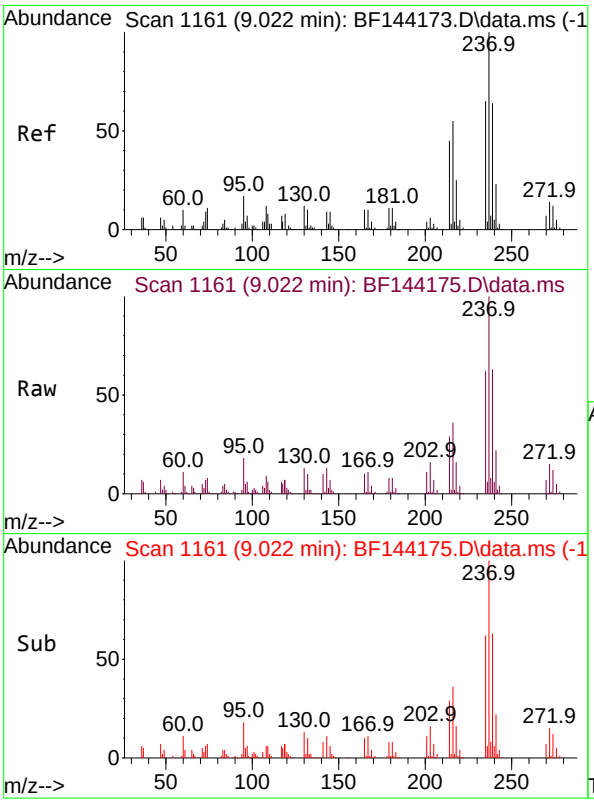


#40
1,2,4,5-Tetrachlorobenzene
Concen: 65.549 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:216 Resp: 271508

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.4	95.2
179	19.0	15.0	22.4
108	14.0	10.5	15.7



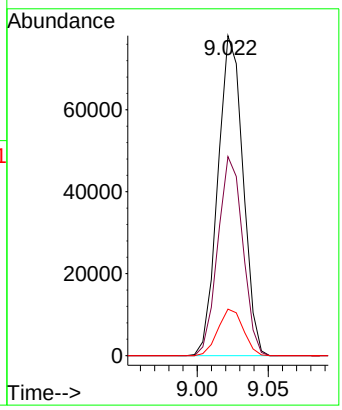


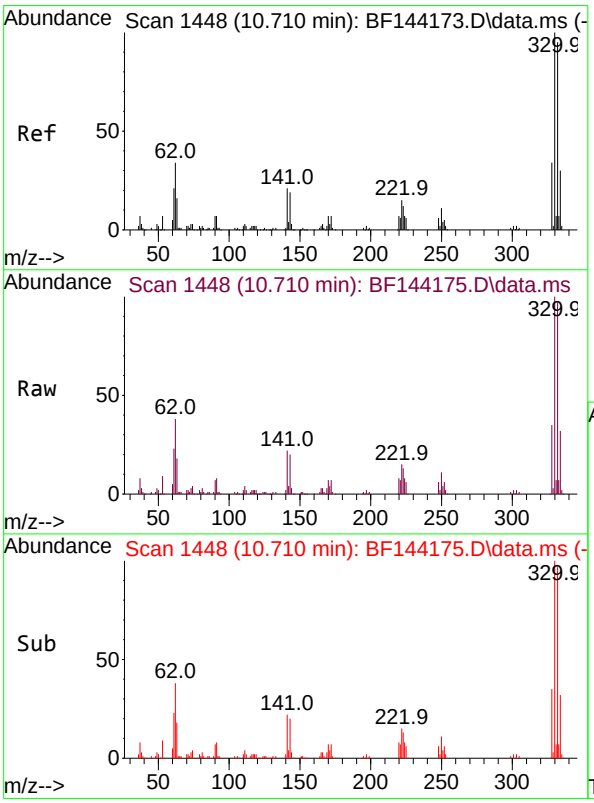
#41
Hexachlorocyclopentadiene
Concen: 64.419 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 95909

Ion	Ratio	Lower	Upper
237	100		
235	62.2	45.5	85.5
272	14.5	0.0	33.5

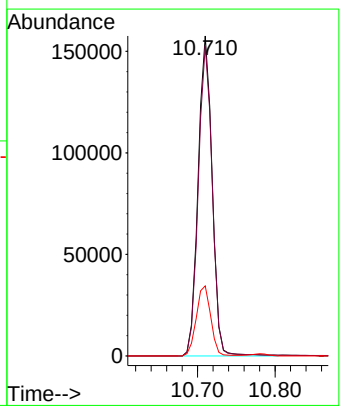


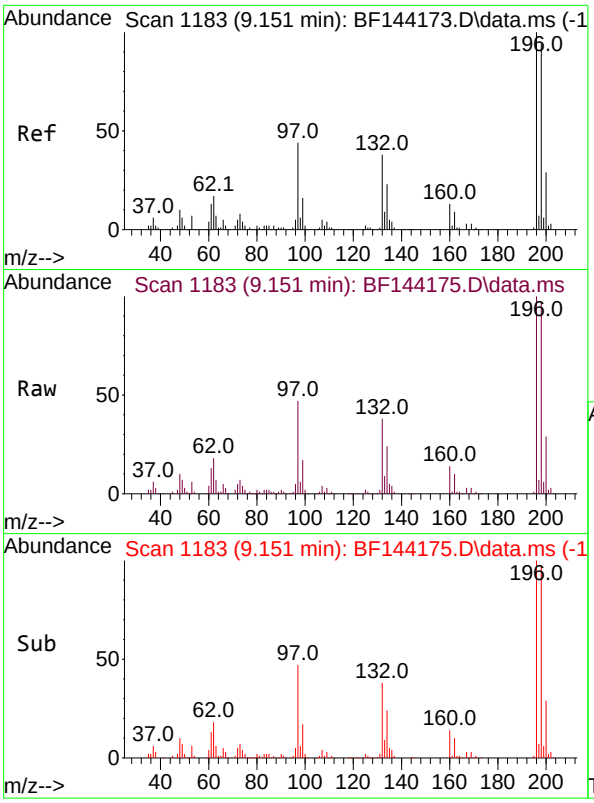


#42
2,4,6-Tribromophenol
Concen: 124.986 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:330 Resp: 198226

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	22.5	17.8	26.8



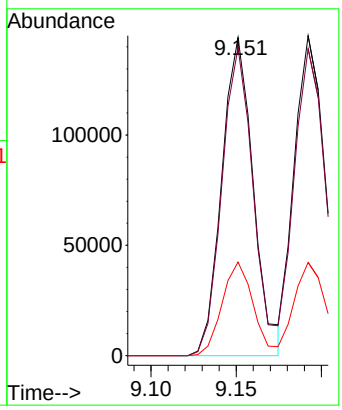


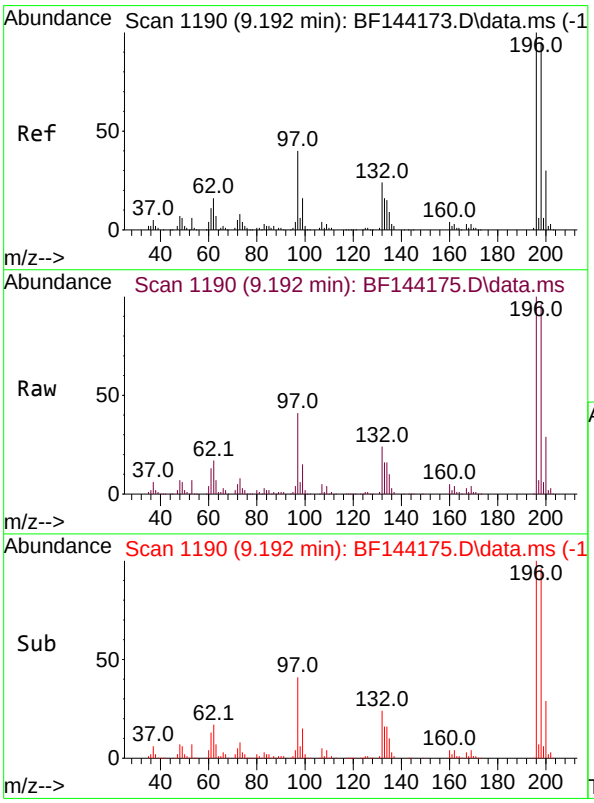
#43
2,4,6-Trichlorophenol
Concen: 65.769 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 185412

Ion	Ratio	Lower	Upper
196	100		
198	96.9	75.3	112.9
200	29.4	23.4	35.2

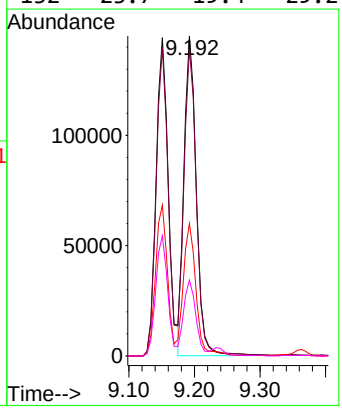


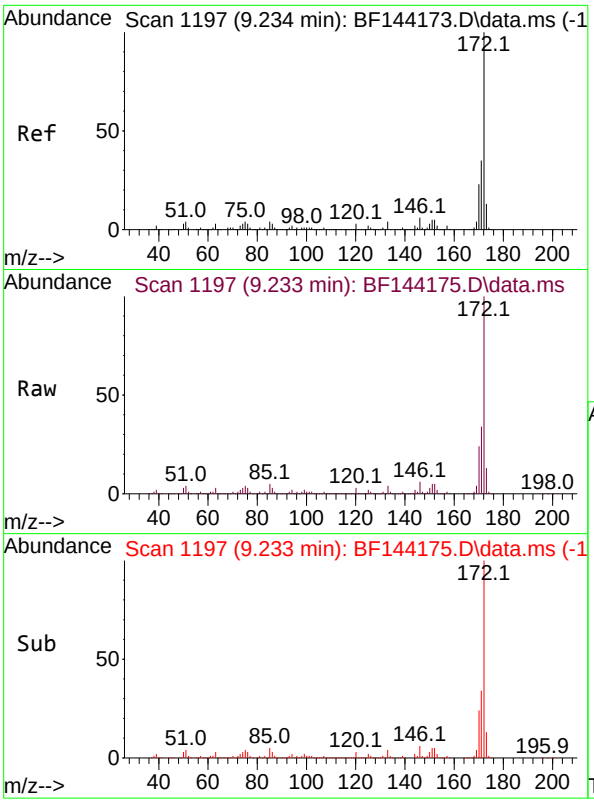


#44
2,4,5-Trichlorophenol
Concen: 62.639 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:196 Resp: 190324

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.1	114.1
97	41.4	31.9	47.9
132	23.7	19.4	29.2



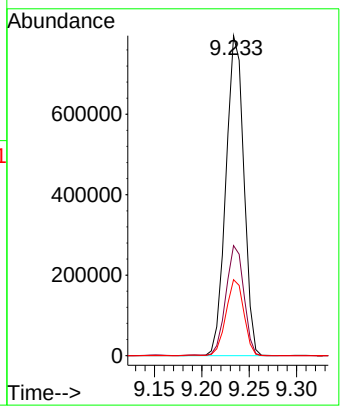


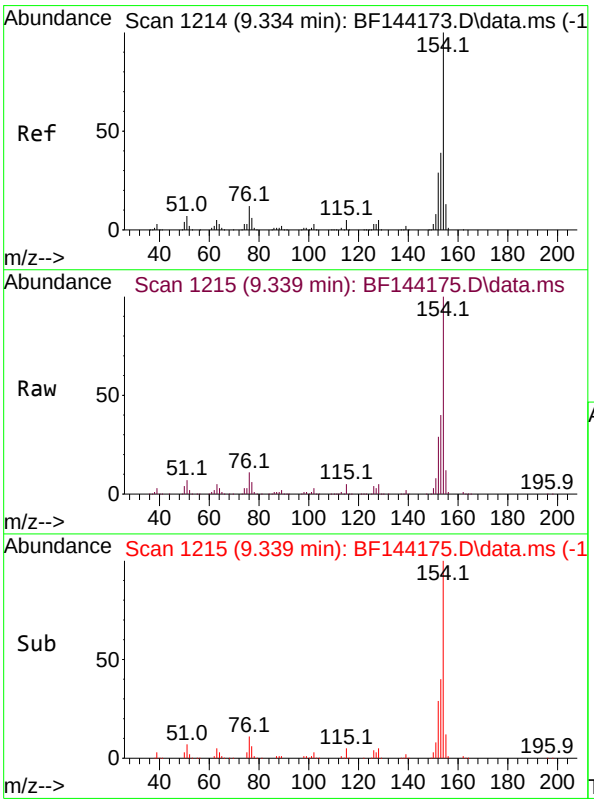
#45
2-Fluorobiphenyl
Concen: 122.404 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1047440

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.1	42.1
170	23.7	18.6	28.0

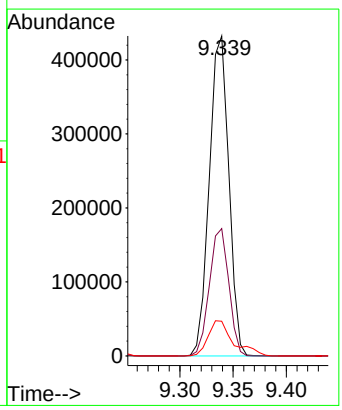


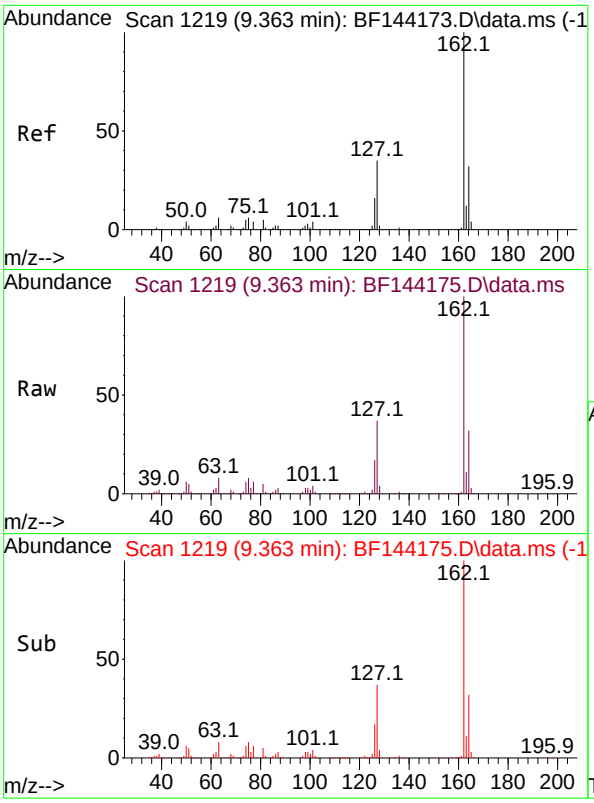


#46
1,1'-Biphenyl
Concen: 62.310 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:154 Resp: 549700

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.2	59.2
76	10.8	0.0	31.8



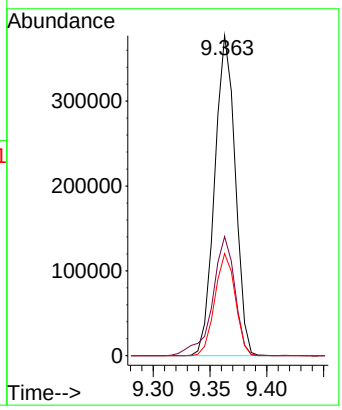


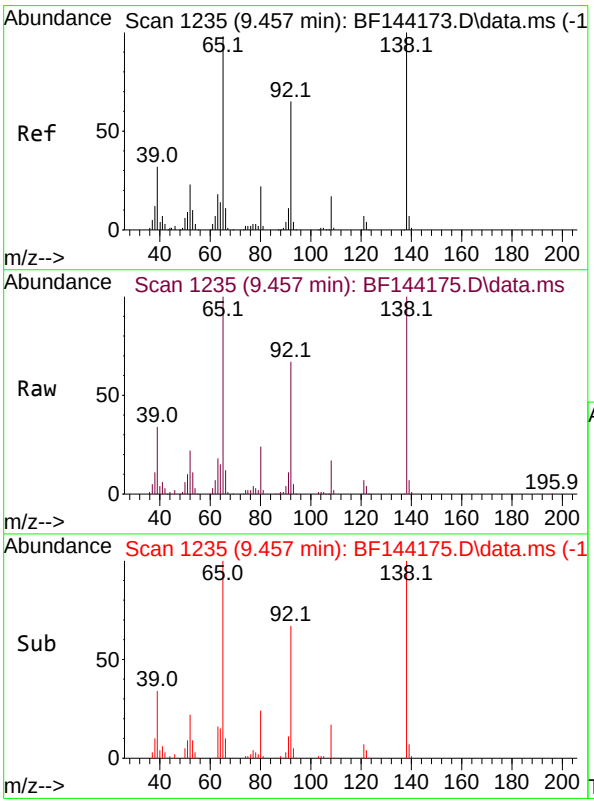
#47
2-Chloronaphthalene
Concen: 63.056 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 474514

Ion	Ratio	Lower	Upper
162	100		
127	37.2	28.8	43.2
164	31.9	25.8	38.8

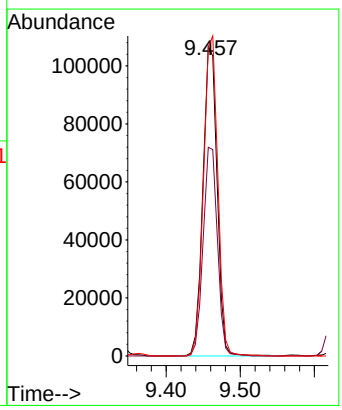


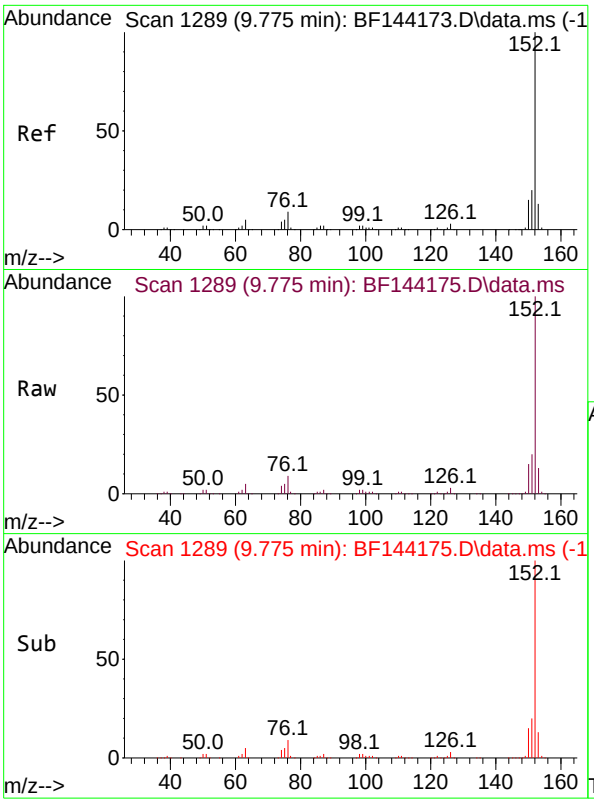


#48
2-Nitroaniline
Concen: 65.370 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 65 Resp: 141938

Ion	Ratio	Lower	Upper
65	100		
92	67.5	53.0	79.6
138	100.0	81.6	122.4



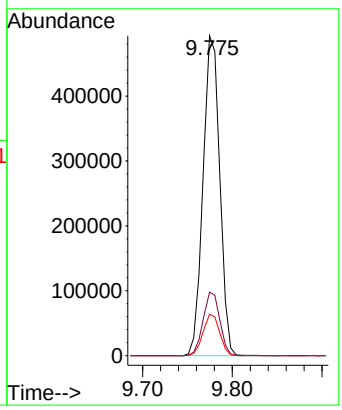


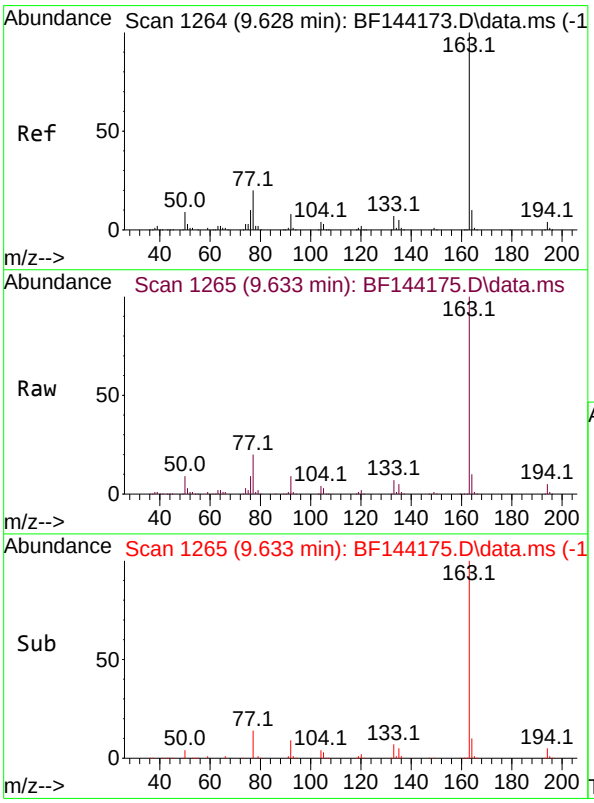
#49
Acenaphthylene
Concen: 62.050 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 636324

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.9	10.5	15.7

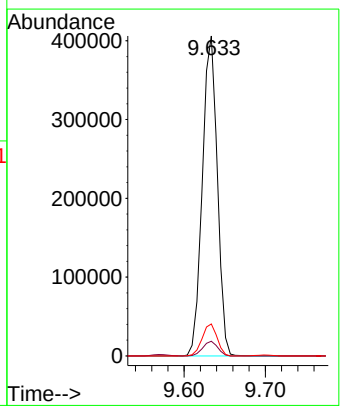


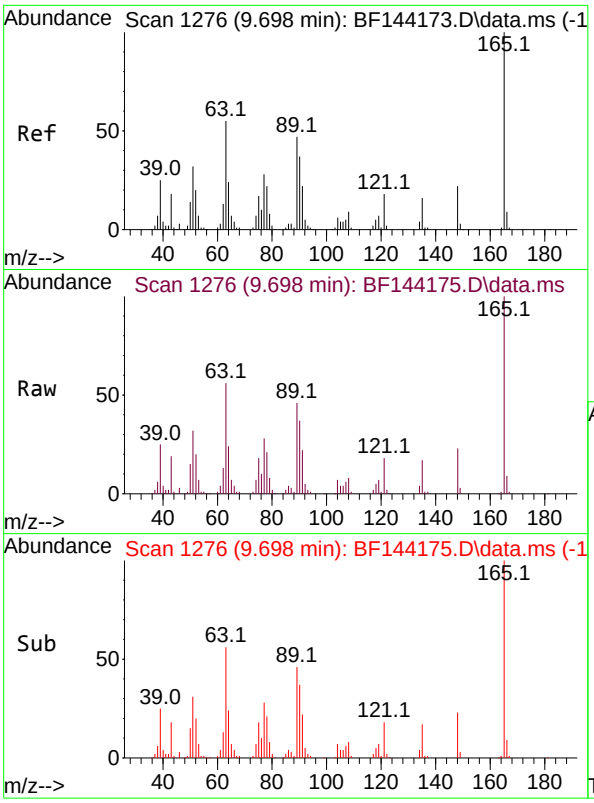


#50
Dimethylphthalate
Concen: 62.250 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:163 Resp: 521205

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.3	4.9
164	10.0	8.1	12.1



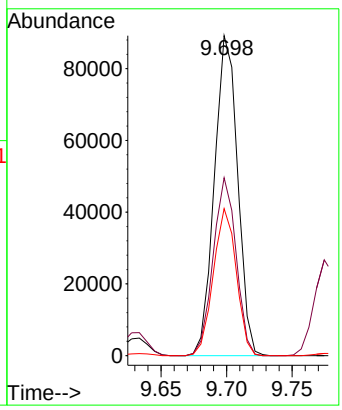


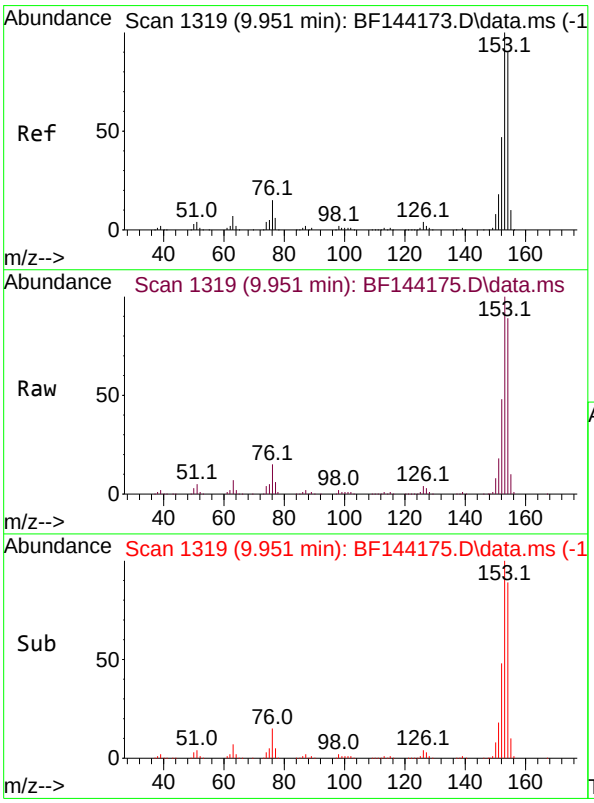
#51
2,6-Dinitrotoluene
Concen: 64.983 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 110140

Ion	Ratio	Lower	Upper
165	100		
63	55.6	43.8	65.8
89	45.9	37.5	56.3

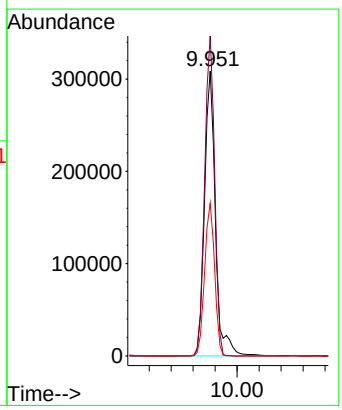


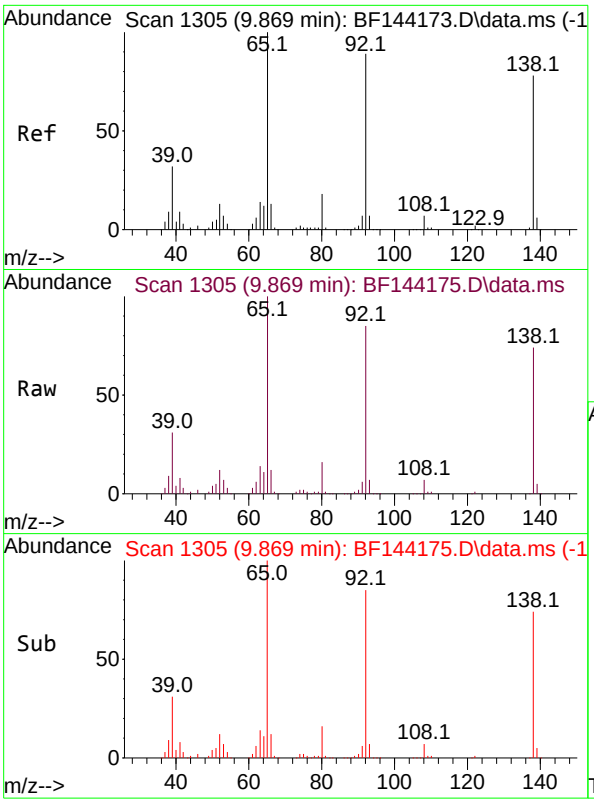


#52
Acenaphthene
Concen: 61.778 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:154 Resp: 423653

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.0	133.4
152	53.7	42.2	63.4



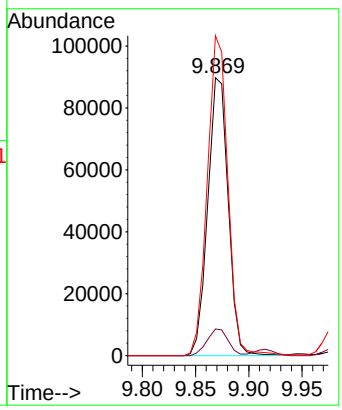


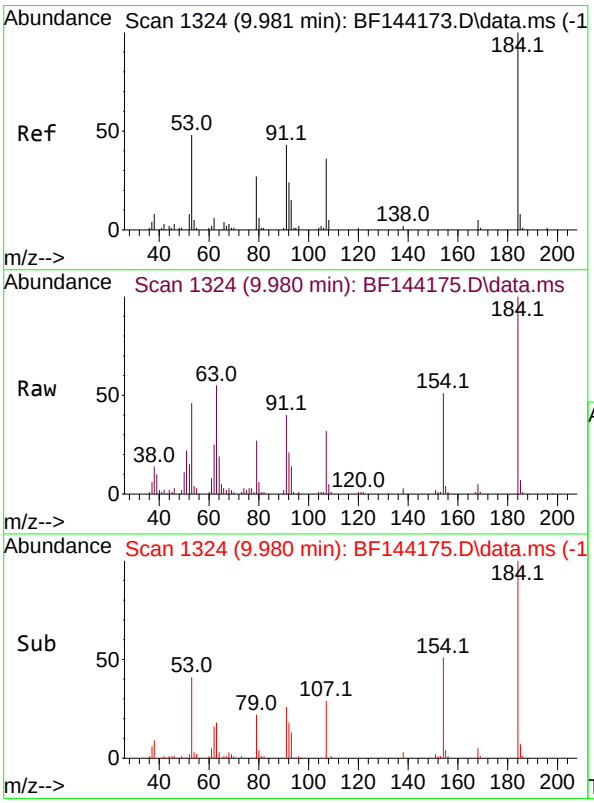
#53
3-Nitroaniline
Concen: 64.749 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 119967

Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.5	11.3
92	115.2	91.8	137.6

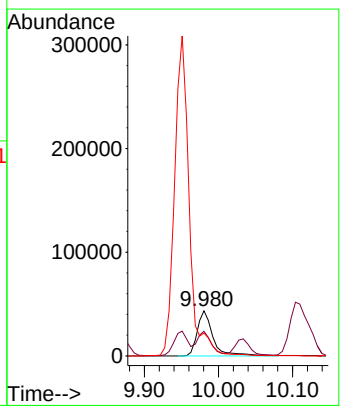


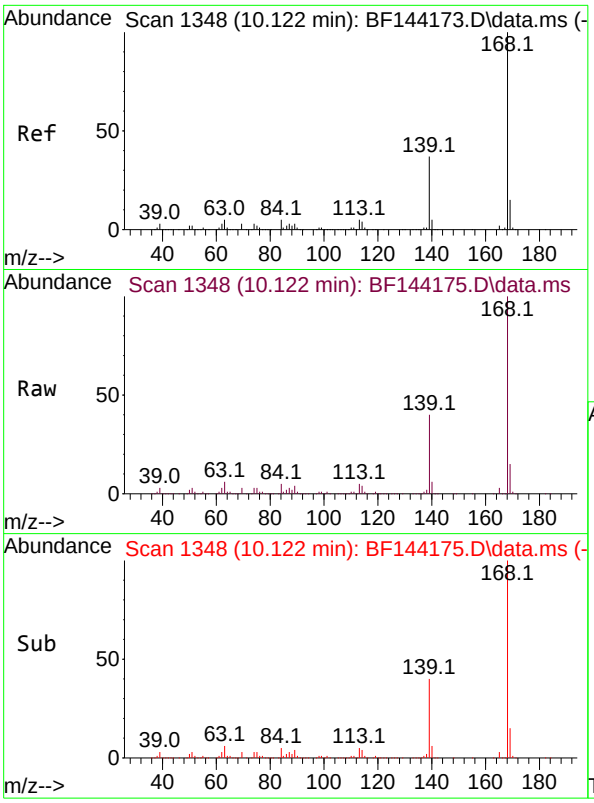


#54
2,4-Dinitrophenol
Concen: 62.138 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:184 Resp: 63597

Ion	Ratio	Lower	Upper
184	100		
63	54.7	44.0	66.0
154	50.8	42.4	63.6



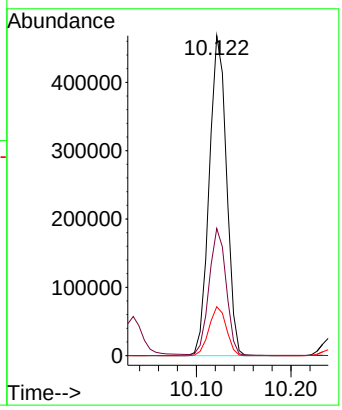


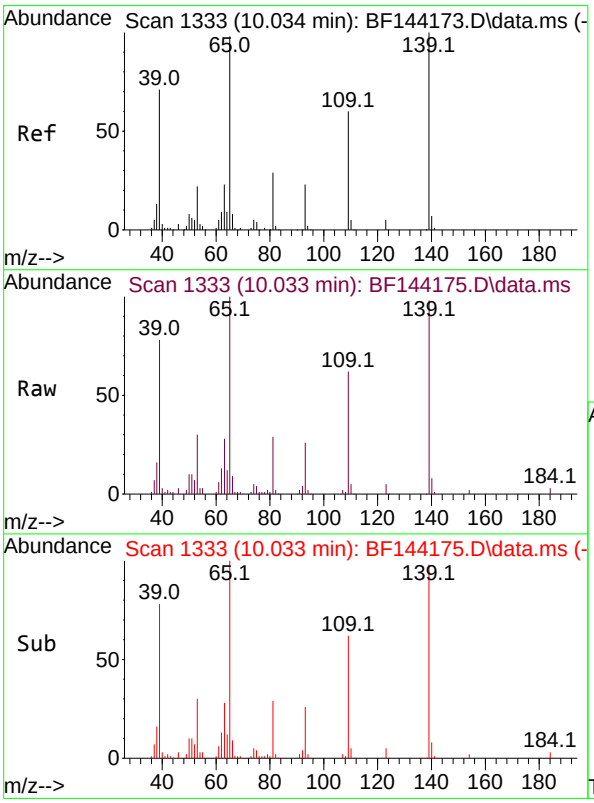
#55
Dibenzofuran
Concen: 61.680 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 592400

Ion	Ratio	Lower	Upper
168	100		
139	39.7	30.2	45.2
169	15.3	12.2	18.4

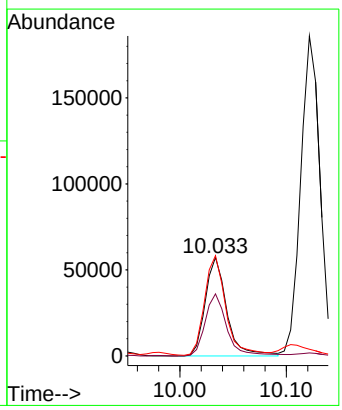


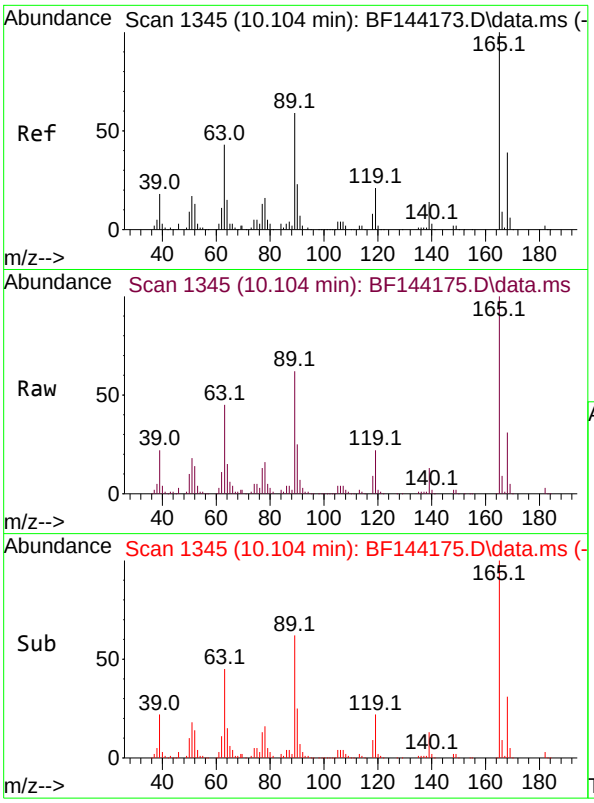


#56
4-Nitrophenol
Concen: 59.812 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:139 Resp: 80163

Ion	Ratio	Lower	Upper
139	100		
109	63.0	39.9	79.9
65	101.8	79.5	119.5



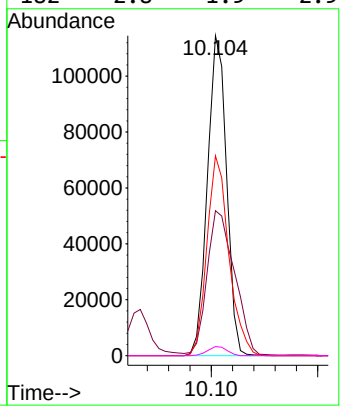


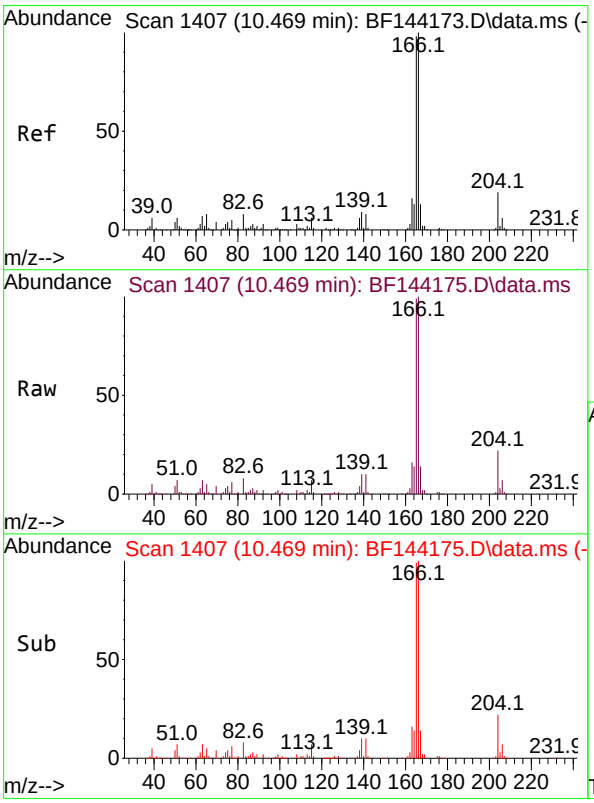
#57
2,4-Dinitrotoluene
Concen: 62.984 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 142910

Ion	Ratio	Lower	Upper
165	100		
63	45.3	35.5	53.3
89	62.4	47.4	71.2
182	2.8	1.9	2.9

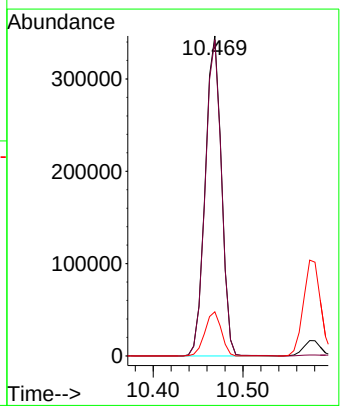


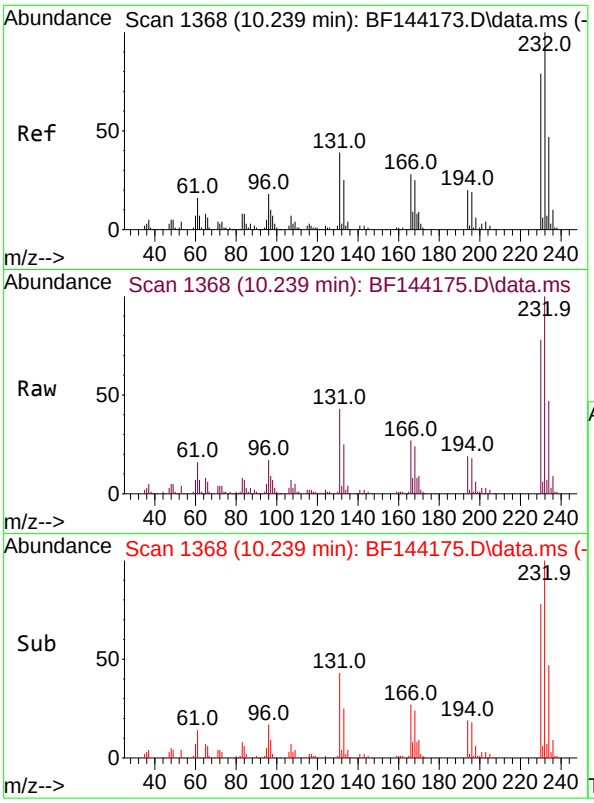


#58
Fluorene
Concen: 59.664 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:166 Resp: 435687

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.6	118.0
167	13.8	10.4	15.6



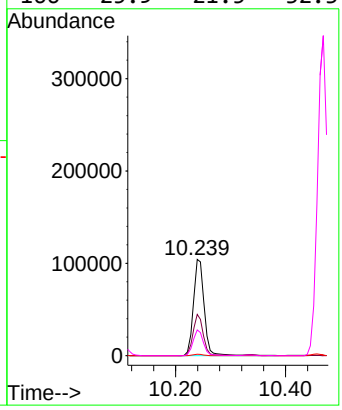


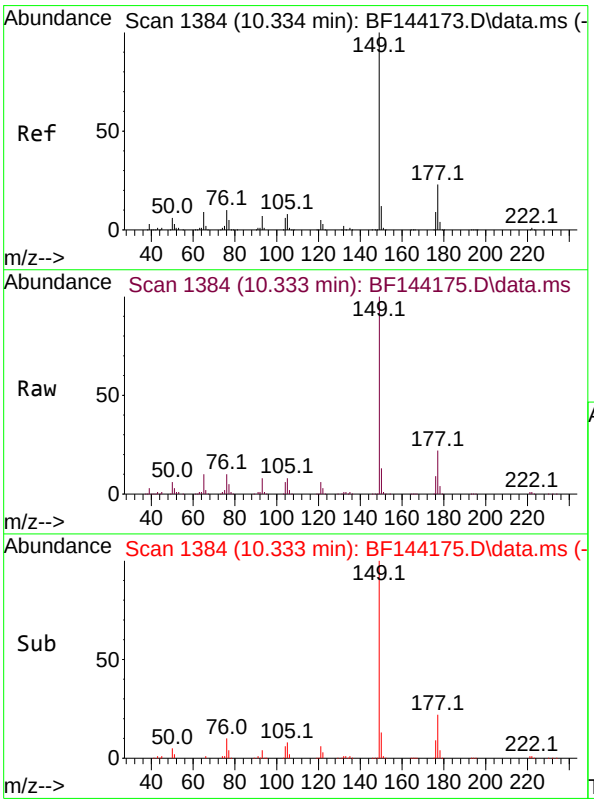
#59
2,3,4,6-Tetrachlorophenol
Concen: 65.569 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 140953

Ion	Ratio	Lower	Upper
232	100		
131	40.7	30.3	45.5
130	1.3	1.2	1.8
166	25.9	21.5	32.3

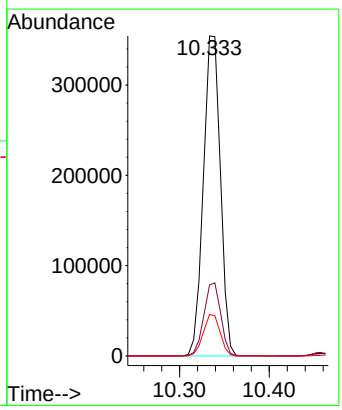


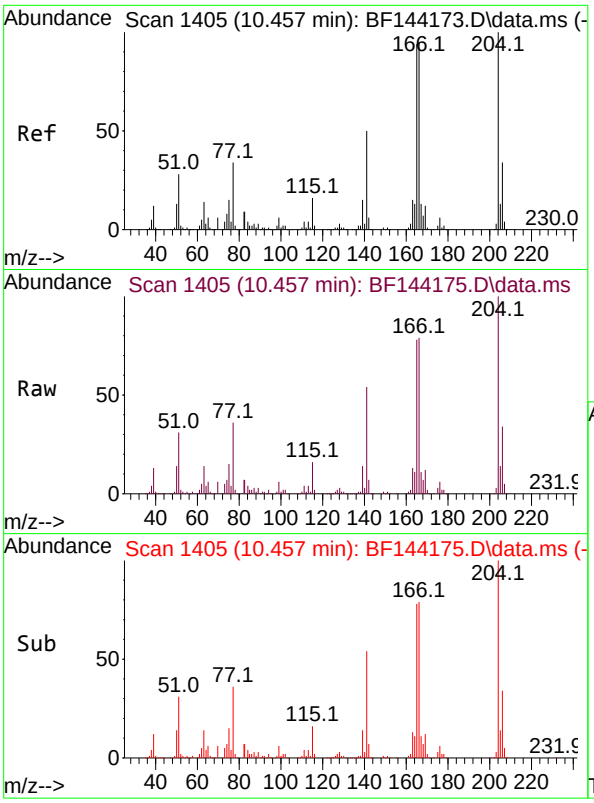


#60
Diethylphthalate
Concen: 60.755 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:149 Resp: 468931

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.3	27.5
150	12.9	9.8	14.6



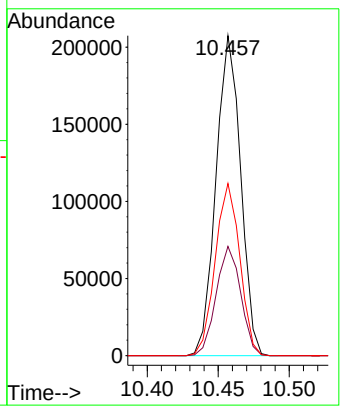


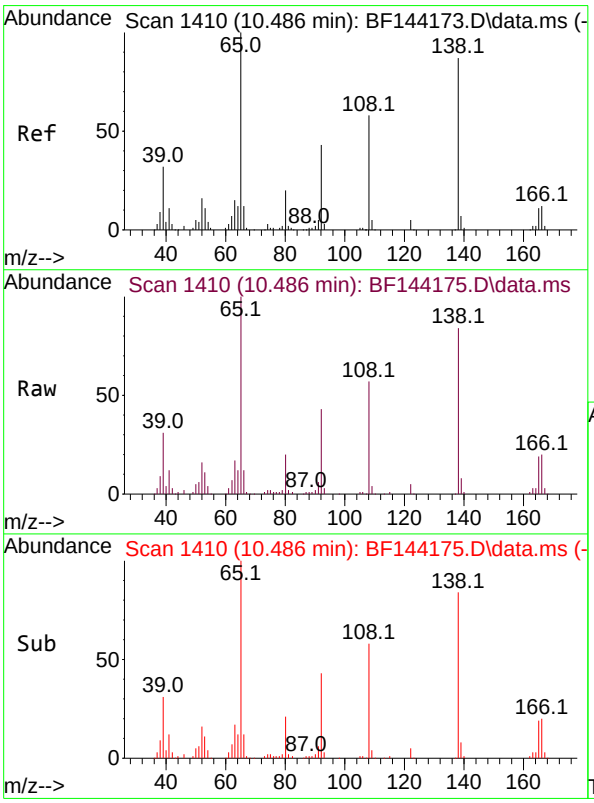
#61
4-Chlorophenyl-phenylether
Concen: 60.068 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 249857

Ion	Ratio	Lower	Upper
204	100		
206	34.1	27.4	41.2
141	53.8	40.0	60.0

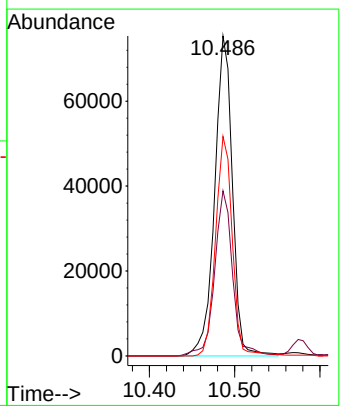


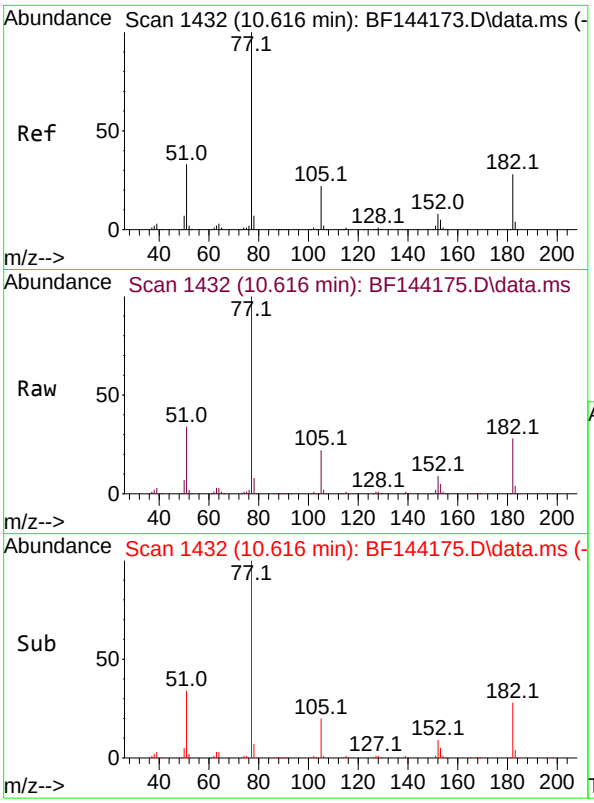


#62
4-Nitroaniline
Concen: 61.862 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:138 Resp: 109153

Ion	Ratio	Lower	Upper
138	100		
92	51.6	29.4	69.4
108	68.6	46.4	86.4



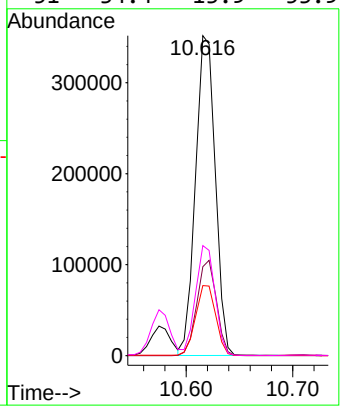


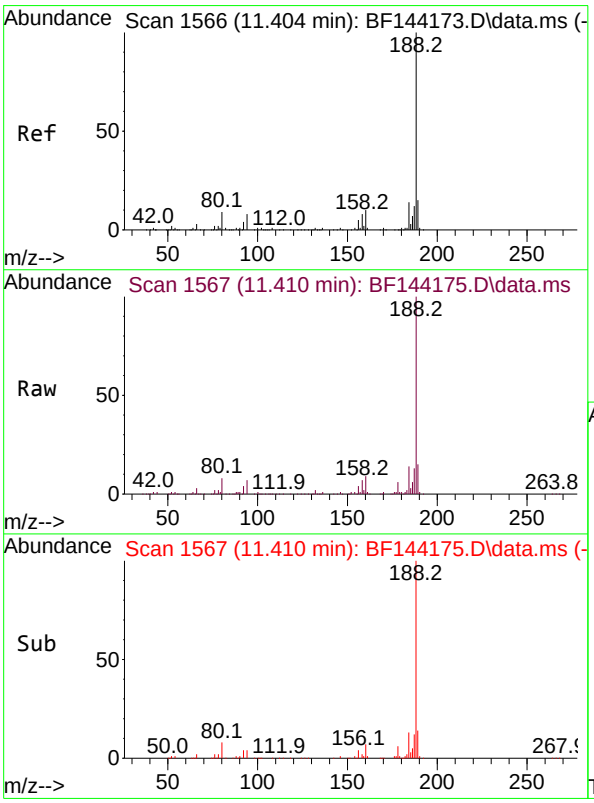
#63
Azobenzene
Concen: 63.187 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 453890

Ion	Ratio	Lower	Upper
77	100		
182	27.8	8.1	48.1
105	21.9	2.0	42.0
51	34.4	13.9	53.9

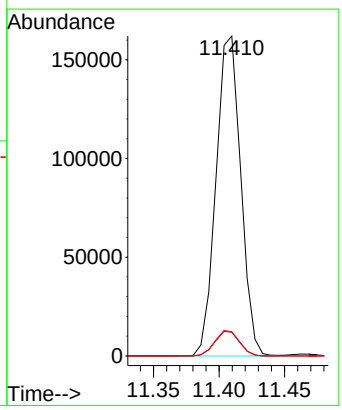


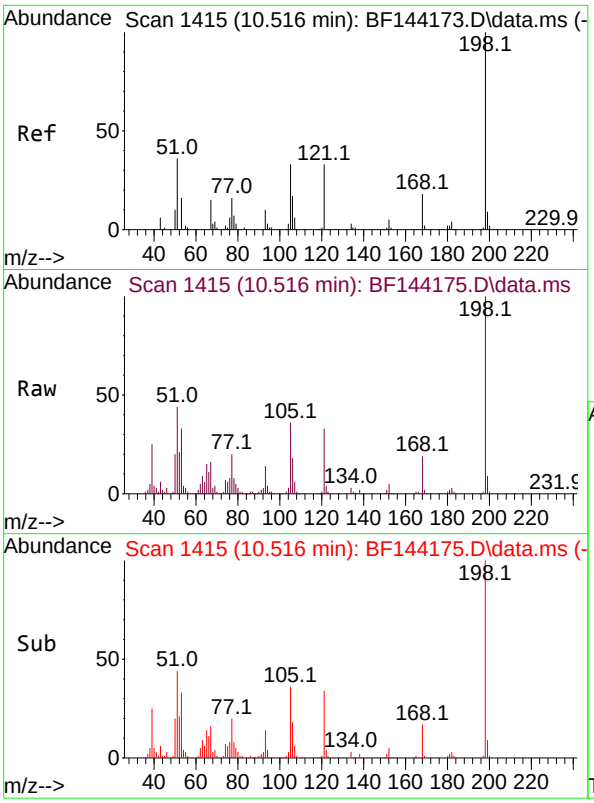


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:188 Resp: 213136

Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.2	9.2
80	7.6	6.9	10.3



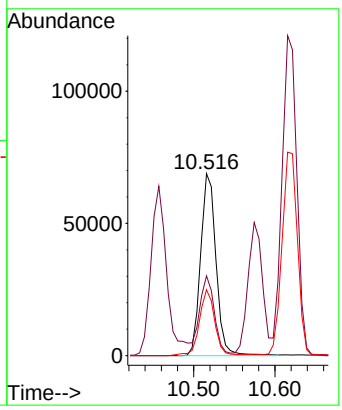


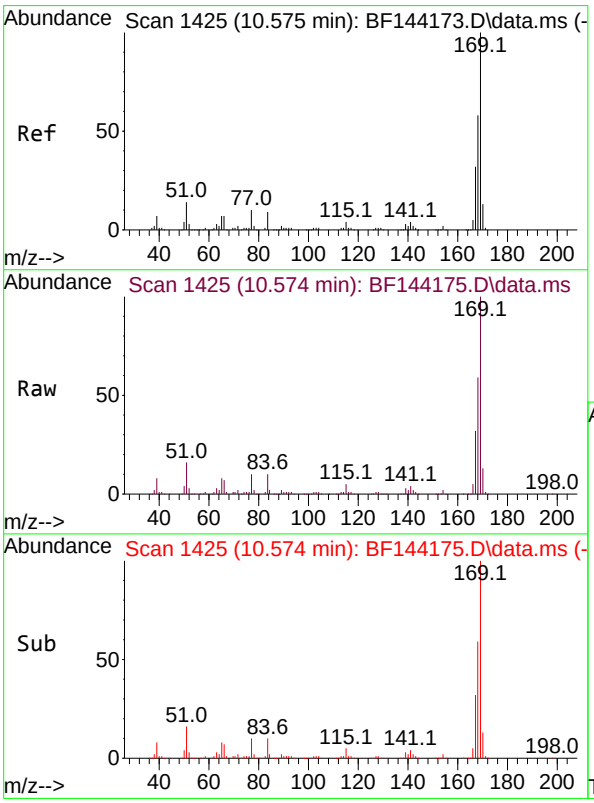
#65
4,6-Dinitro-2-methylphenol
Concen: 62.727 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 90823

Ion	Ratio	Lower	Upper
198	100		
51	43.8	25.6	65.6
105	36.2	14.6	54.6

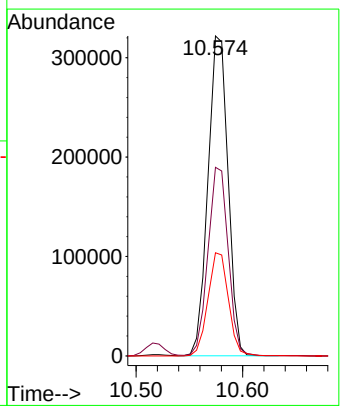


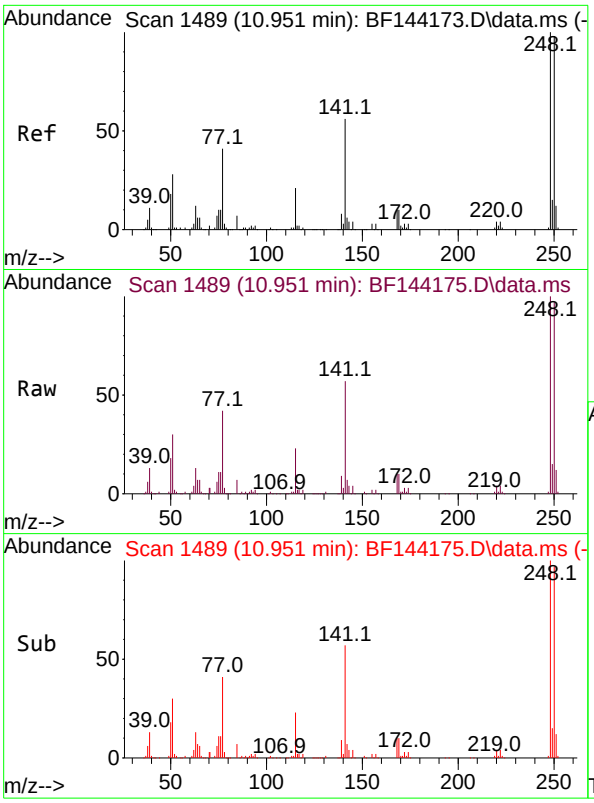


#66
n-Nitrosodiphenylamine
Concen: 61.520 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:169 Resp: 421720

Ion	Ratio	Lower	Upper
169	100		
168	58.9	46.2	69.2
167	32.2	25.7	38.5



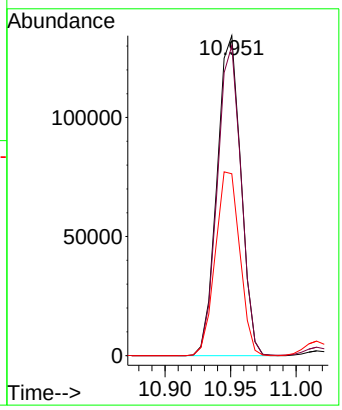


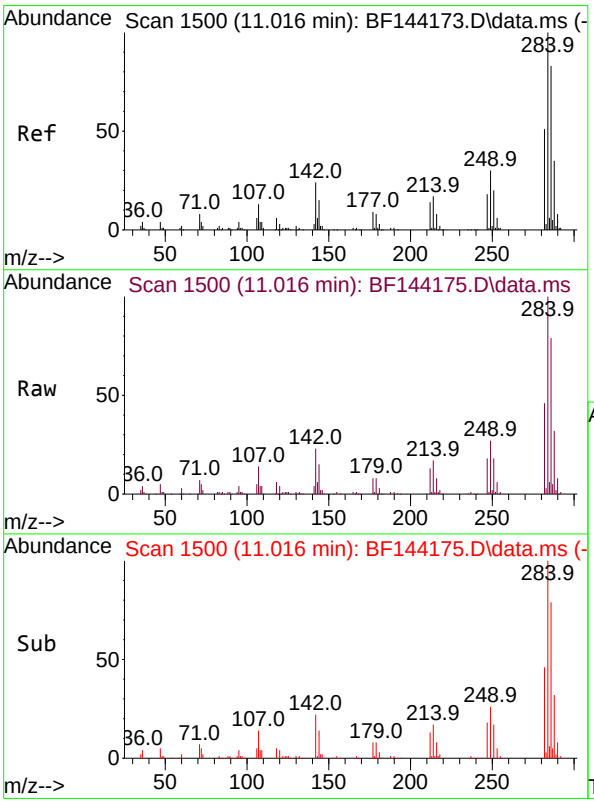
#67
4-Bromophenyl-phenylether
Concen: 62.634 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 170395

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.4	117.6
141	56.8	45.1	67.7

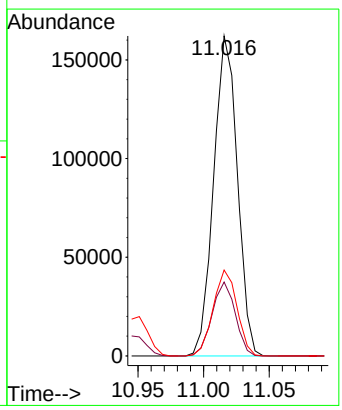


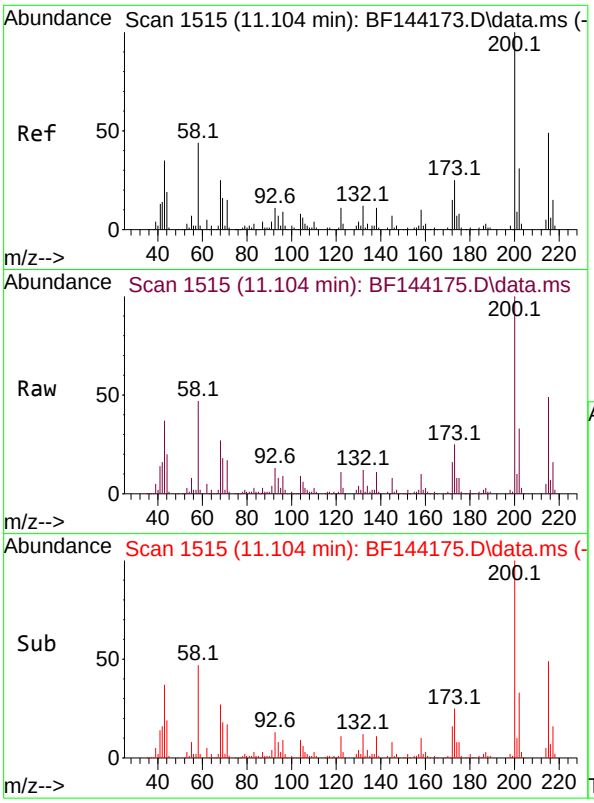


#68
Hexachlorobenzene
Concen: 63.744 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:284 Resp: 204258

Ion	Ratio	Lower	Upper
284	100		
142	23.1	19.2	28.8
249	26.8	23.8	35.8



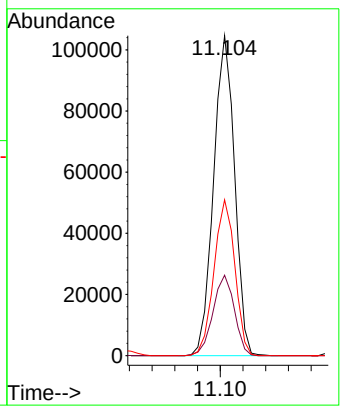


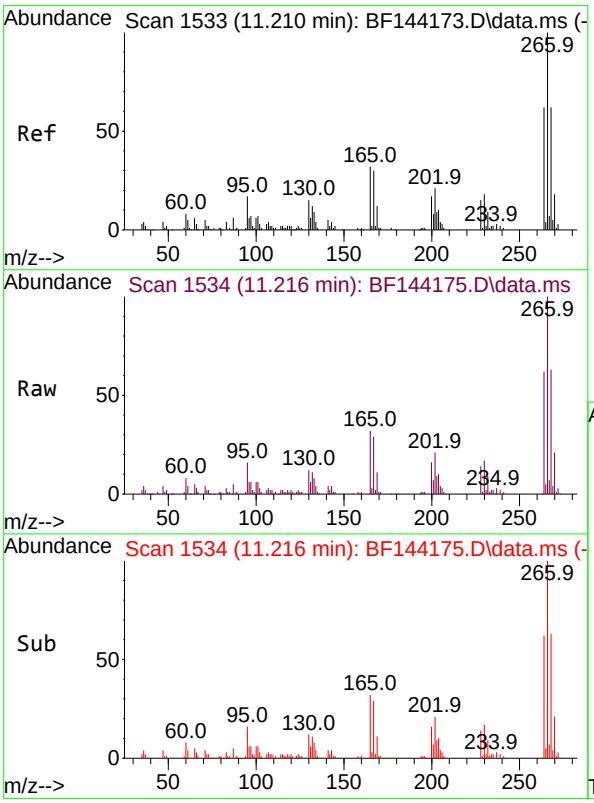
#69
Atrazine
Concen: 61.467 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 134002

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.0	45.0
215	48.7	28.7	68.7

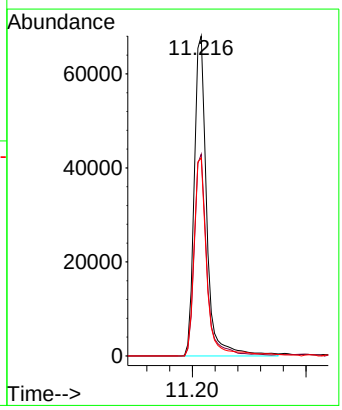


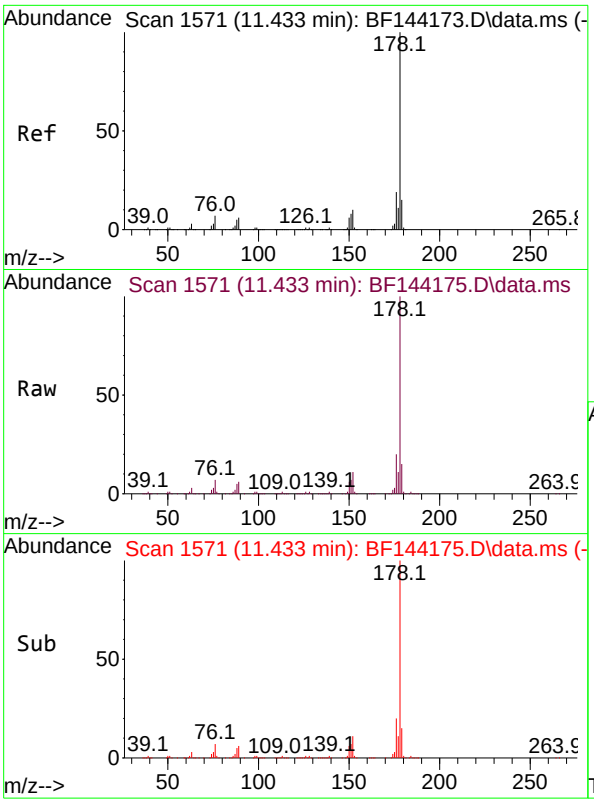


#70
Pentachlorophenol
Concen: 64.842 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:266 Resp: 103466

Ion	Ratio	Lower	Upper
266	100		
268	63.0	49.5	74.3
264	61.8	49.4	74.2



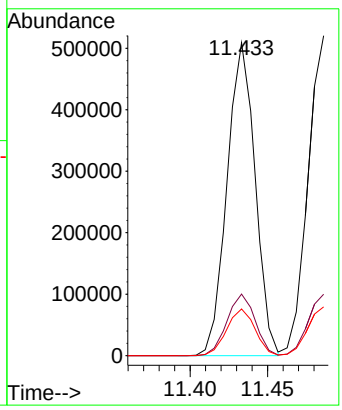


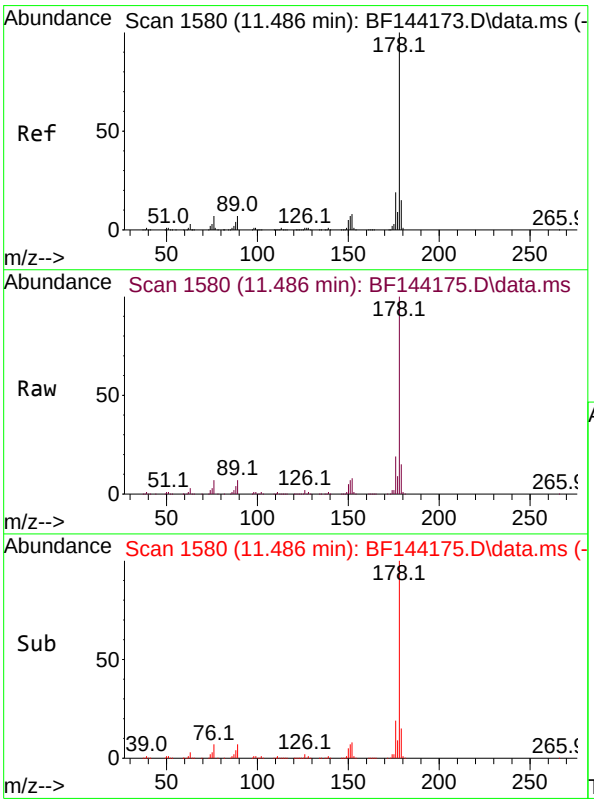
#71
Phenanthrene
Concen: 60.448 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 641461

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	14.9	12.2	18.4

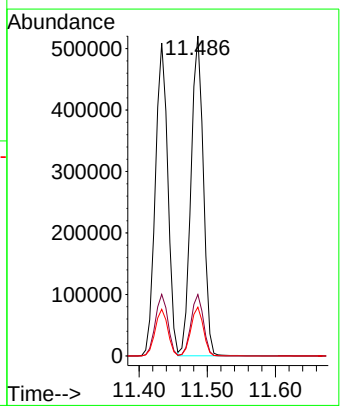


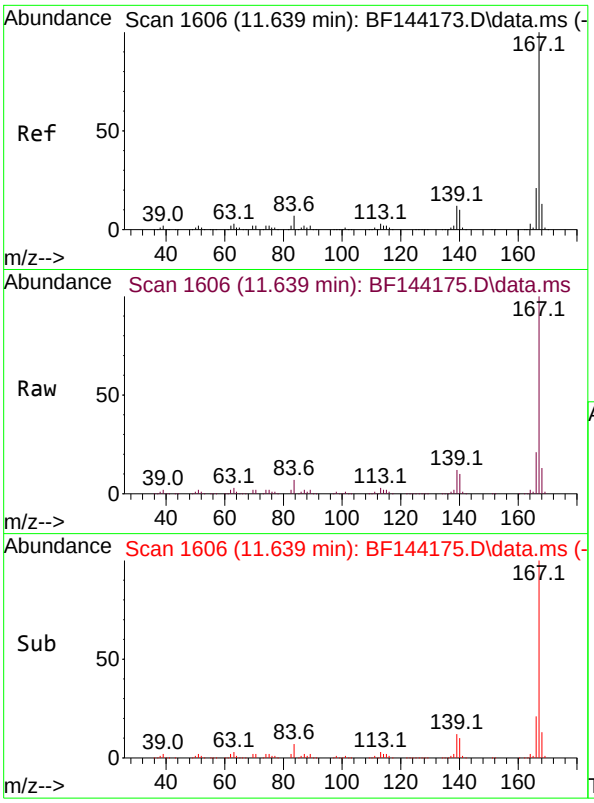


#72
Anthracene
Concen: 60.871 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:178 Resp: 656819

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.2	12.0	18.0



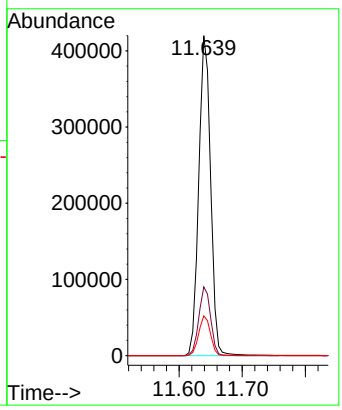


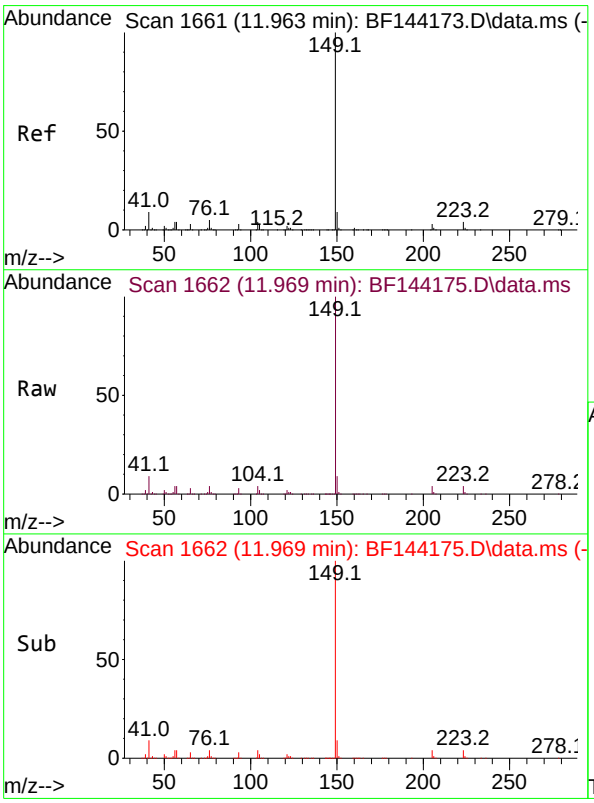
#73
Carbazole
Concen: 59.542 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 546322

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.4	9.9	14.9

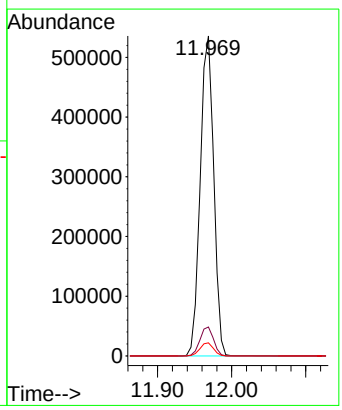


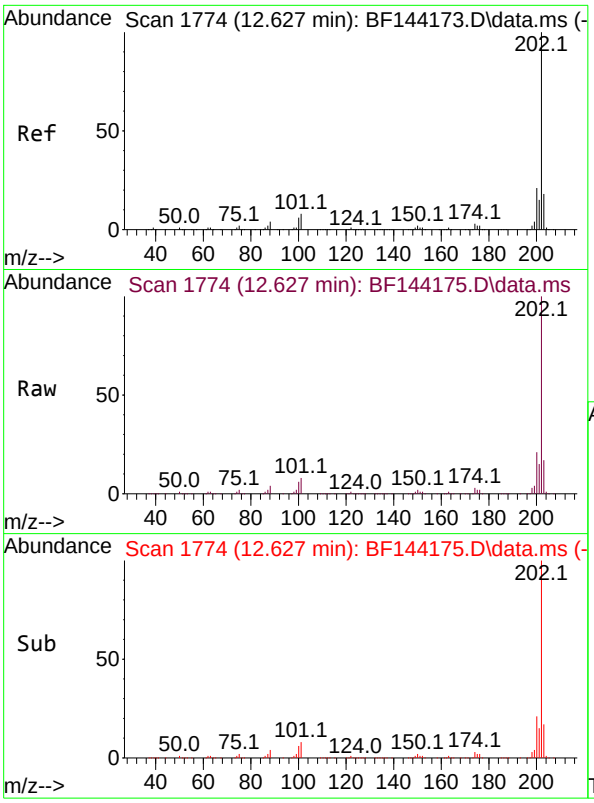


#74
Di-n-butylphthalate
Concen: 61.075 ng
RT: 11.969 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:149 Resp: 677444

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.1	3.4	5.2



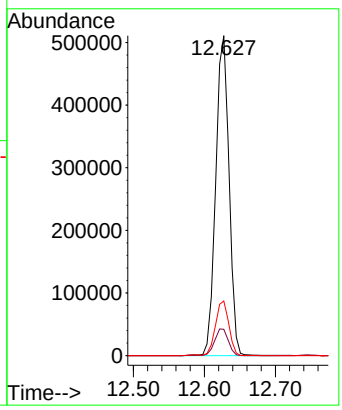


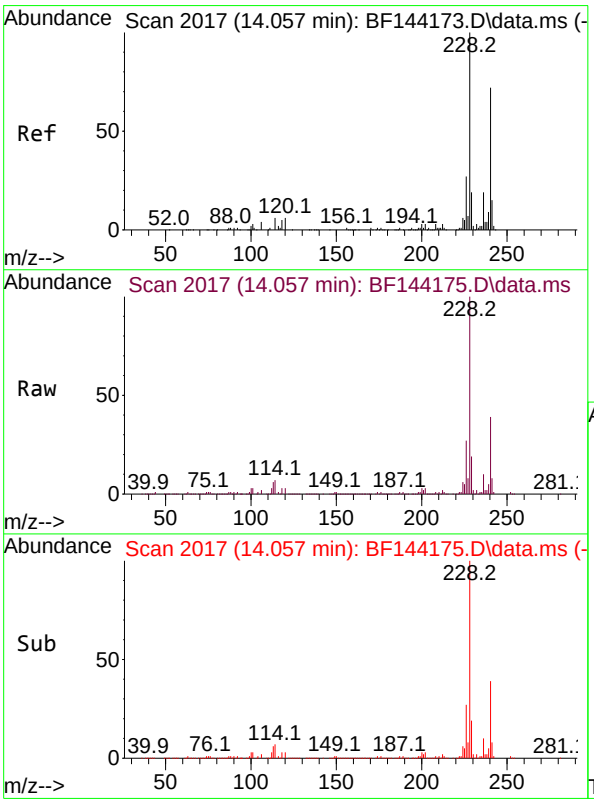
#75
Fluoranthene
Concen: 60.849 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 667021

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.9
203	17.1	0.0	37.5

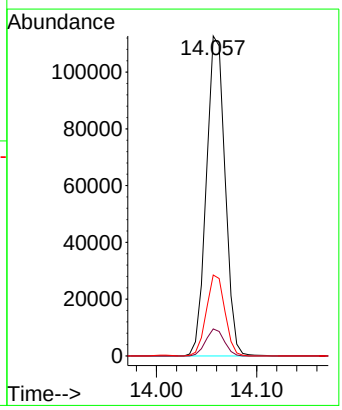


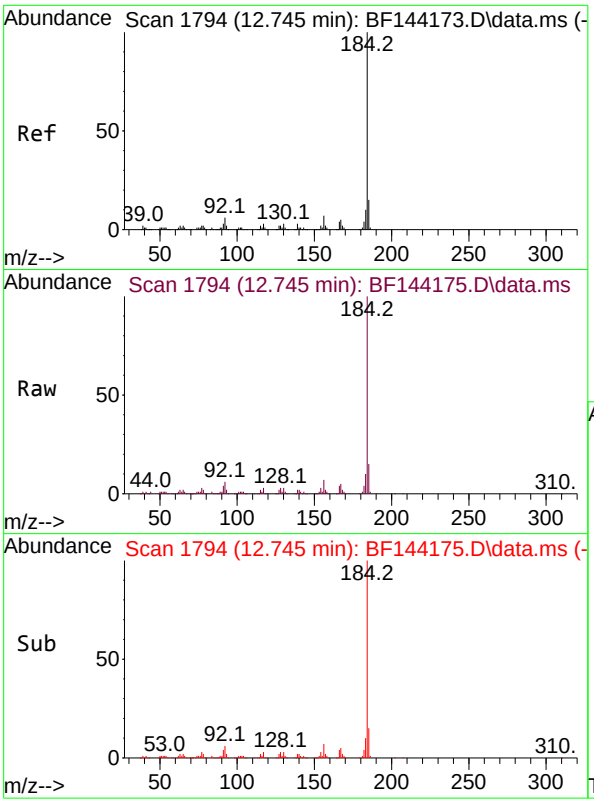


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:240 Resp: 145867

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.6	10.0
236	25.3	21.4	32.2



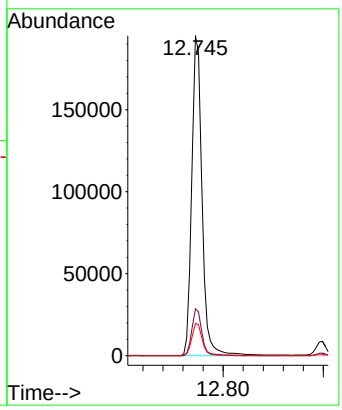


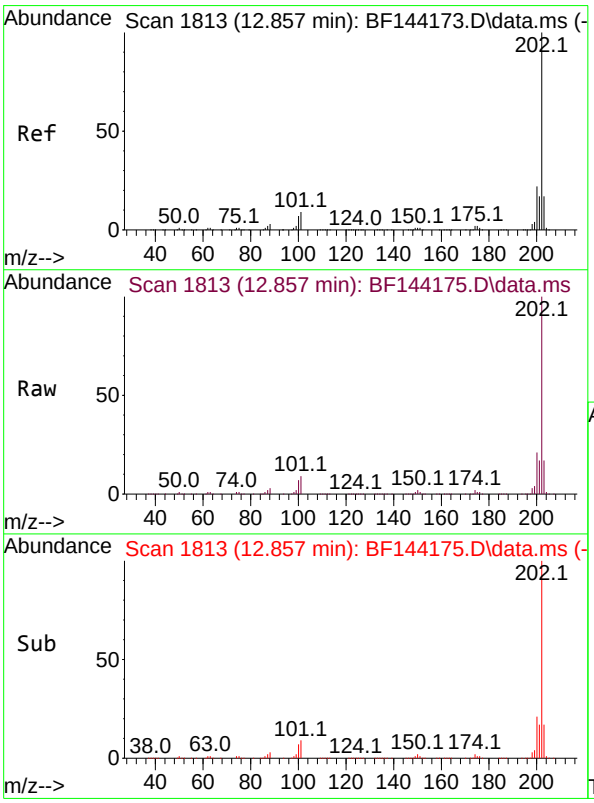
#77
Benzidine
Concen: 64.368 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 277725

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.7	17.5
183	10.0	8.3	12.5

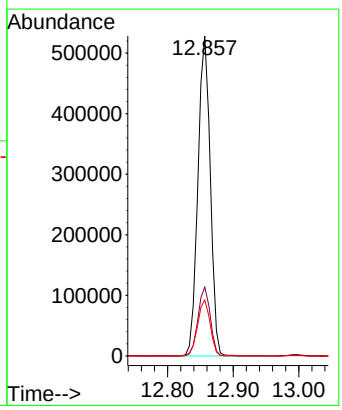


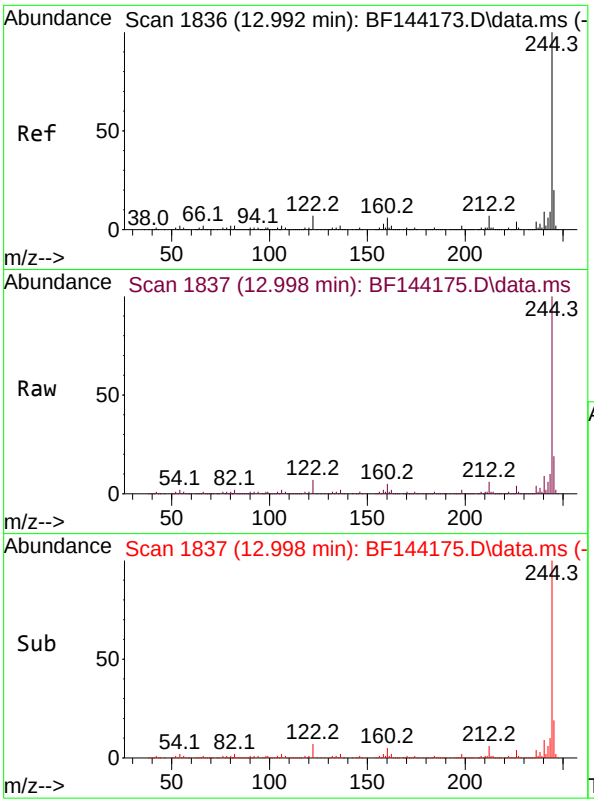


#78
Pyrene
Concen: 58.384 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:202 Resp: 686663

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.5	13.7	20.5



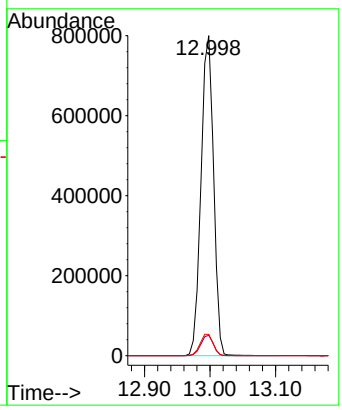


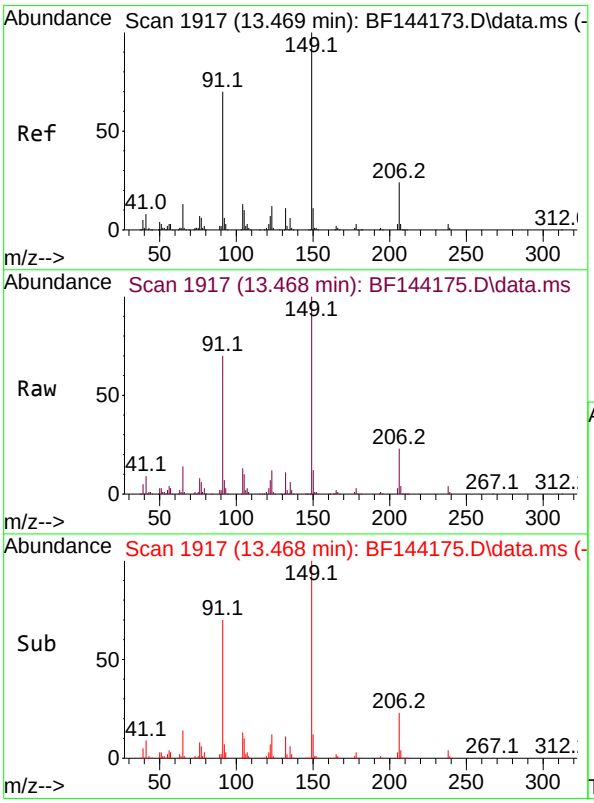
#79
Terphenyl-d14
Concen: 115.147 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1057426

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	6.6	5.6	8.4

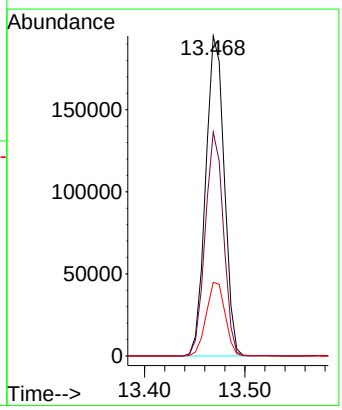


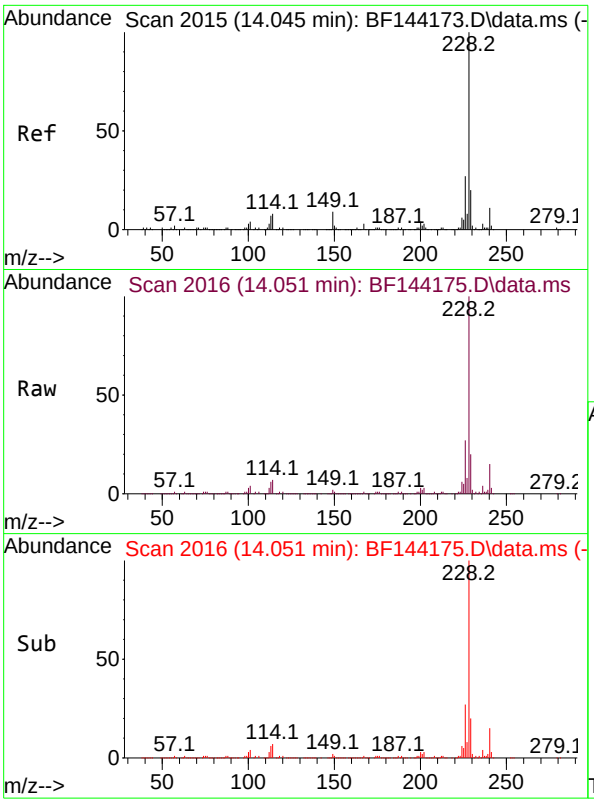


#80
Butylbenzylphthalate
Concen: 61.152 ng
RT: 13.468 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:149 Resp: 249274

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.1	84.1
206	23.0	18.8	28.2



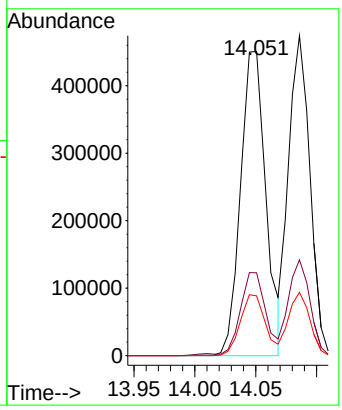


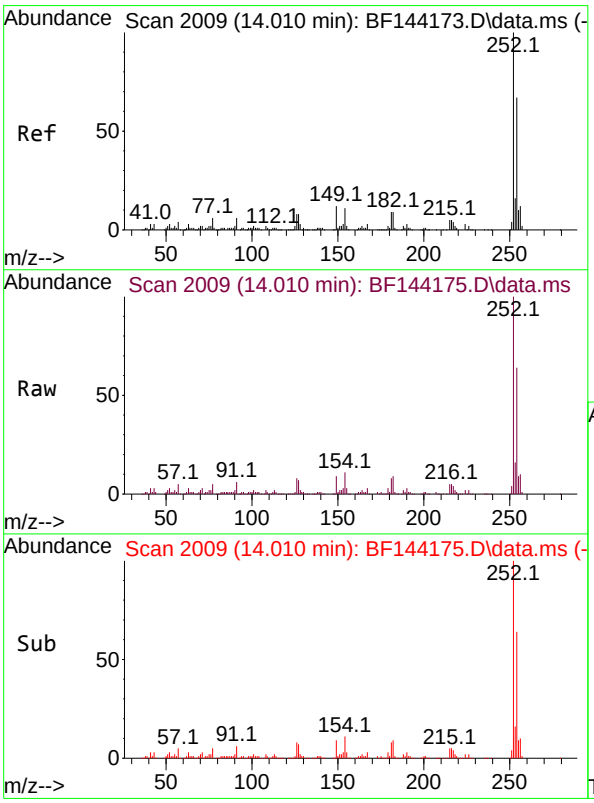
#81
Benzo(a)anthracene
Concen: 64.625 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 653341

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.6	15.8	23.6

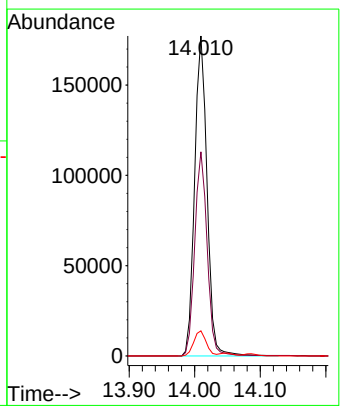


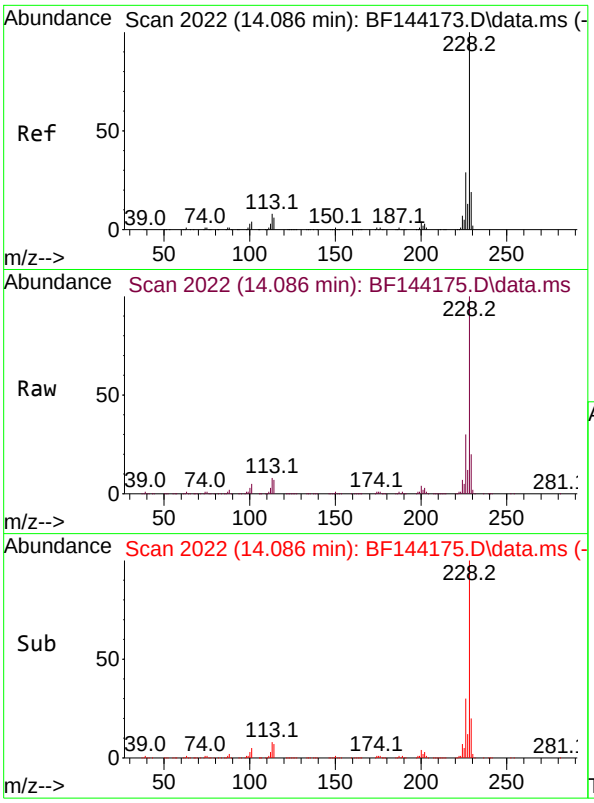


#82
3,3'-Dichlorobenzidine
Concen: 67.182 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:252 Resp: 232807

Ion	Ratio	Lower	Upper
252	100		
254	63.8	53.5	80.3
126	7.8	6.4	9.6



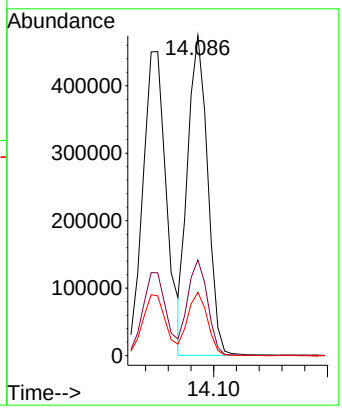


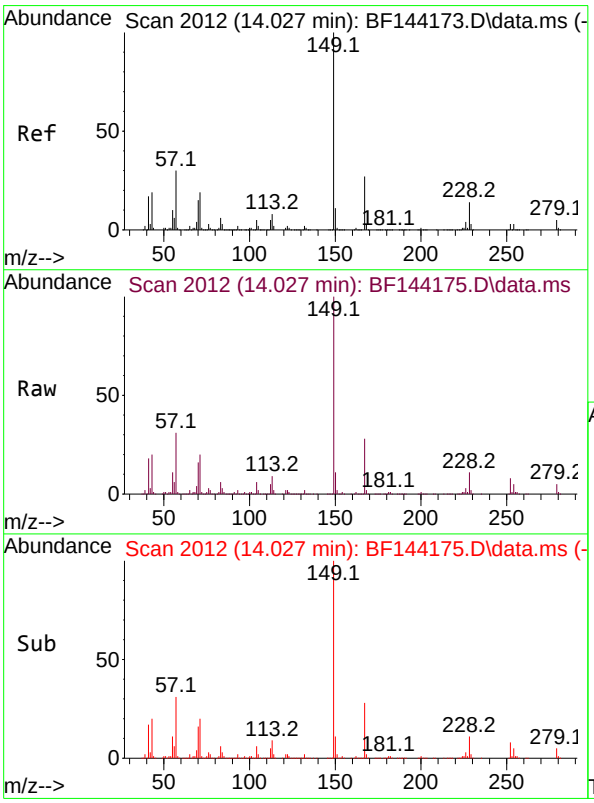
#83
Chrysene
Concen: 62.196 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 580449

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.9	34.3
229	19.8	15.0	22.6

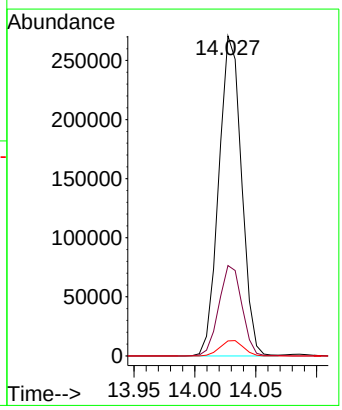


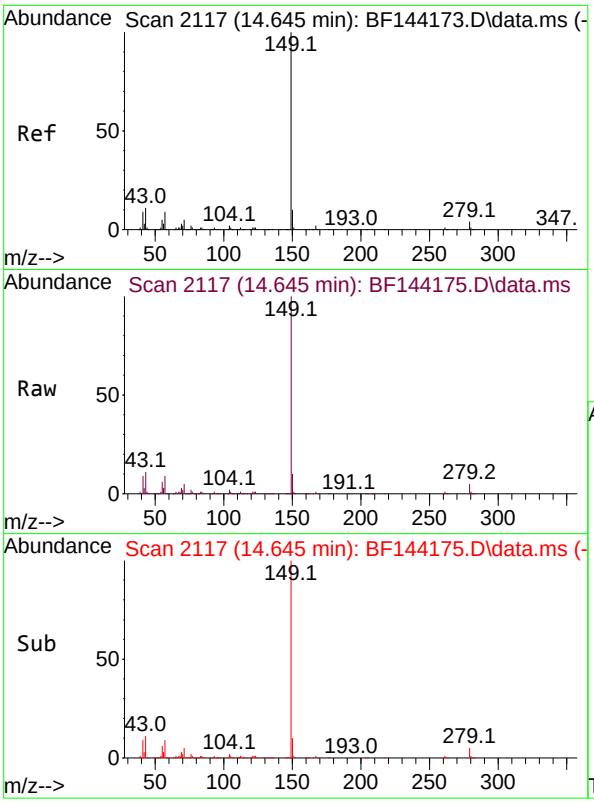


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.991 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:149 Resp: 351501

Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.8	32.8
279	4.7	3.7	5.5



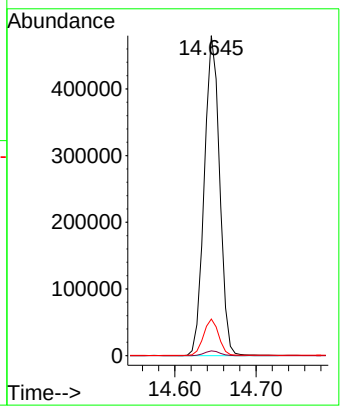


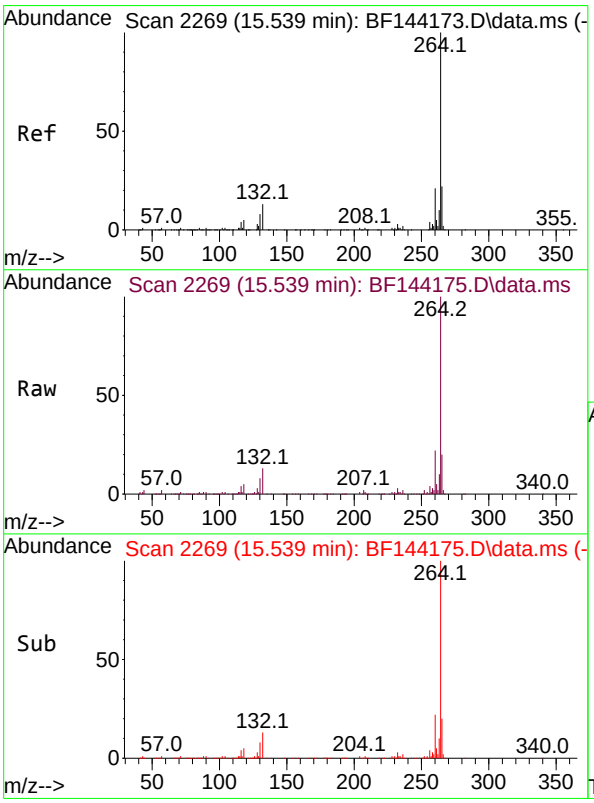
#85
Di-n-octyl phthalate
Concen: 65.547 ng
RT: 14.645 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 631065

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	11.3	9.0	13.4

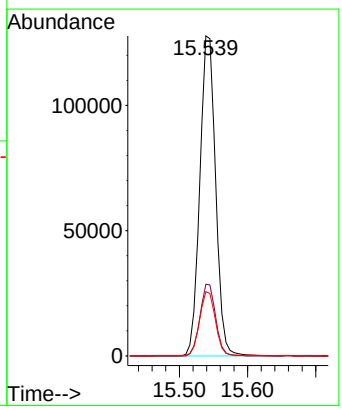


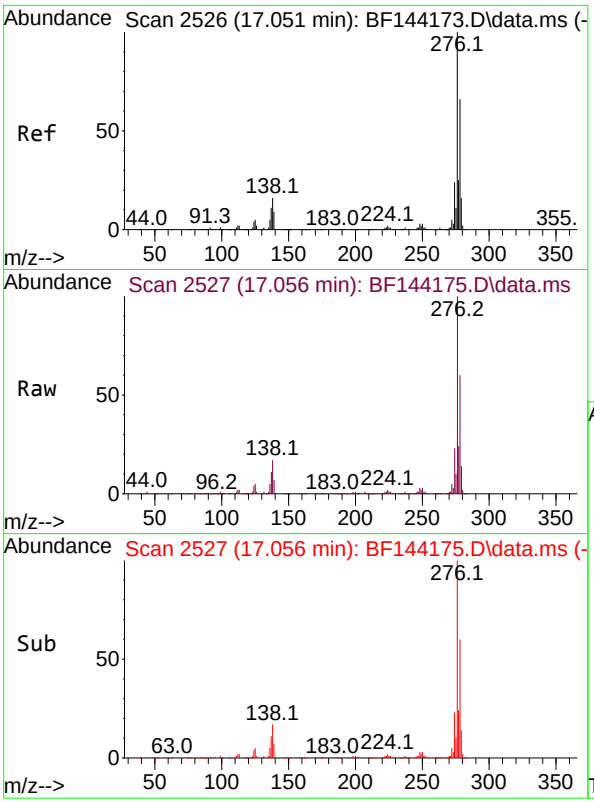


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:264 Resp: 205758

Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.1	25.7
265	20.1	17.4	26.0



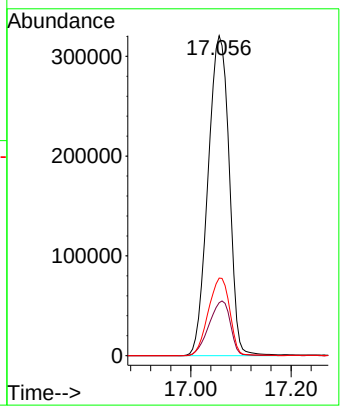


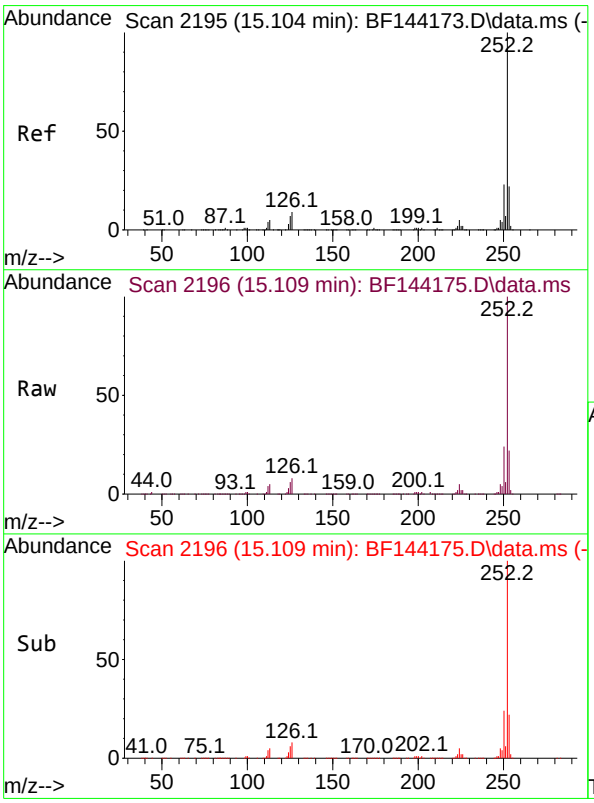
#87
Indeno(1,2,3-cd)pyrene
Concen: 63.557 ng
RT: 17.056 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 938738

Ion	Ratio	Lower	Upper
276	100		
138	17.4	13.9	20.9
277	24.6	19.8	29.6

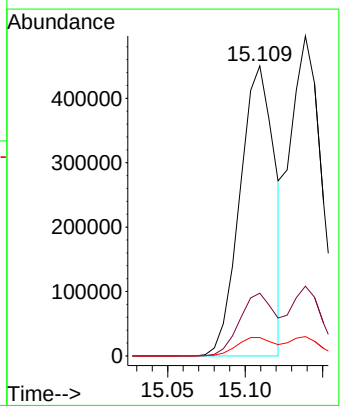


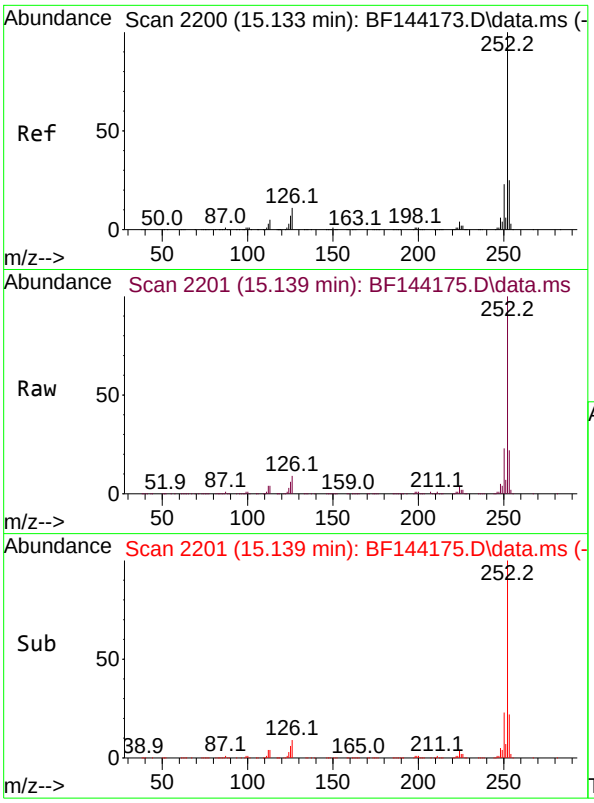


#88
Benzo(b)fluoranthene
Concen: 59.849 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:252 Resp: 700099

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	6.3	5.3	7.9



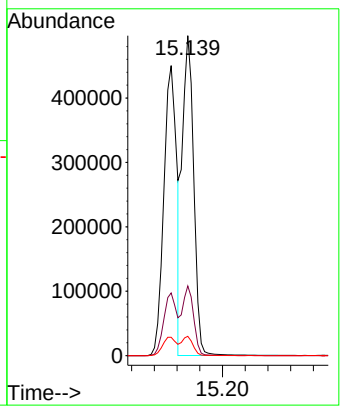


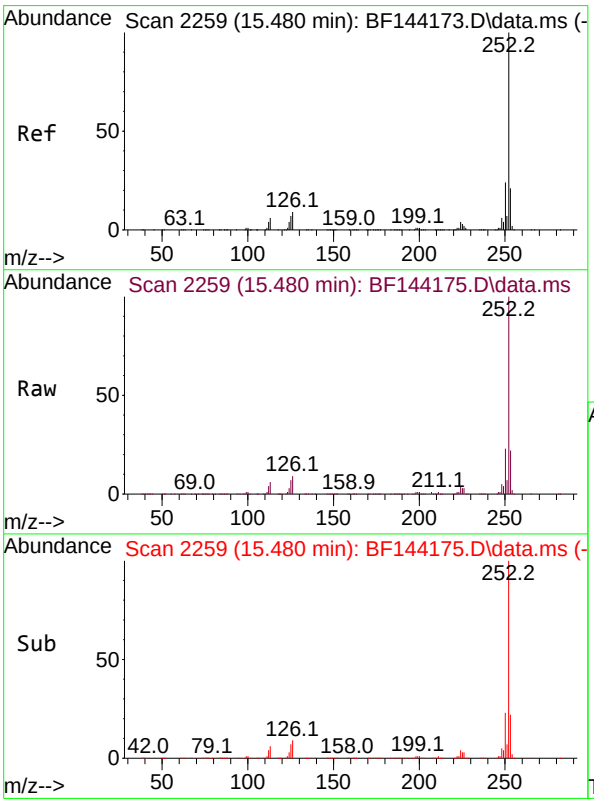
#89
Benzo(k)fluoranthene
Concen: 63.919 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 699851

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	6.0	5.4	8.2

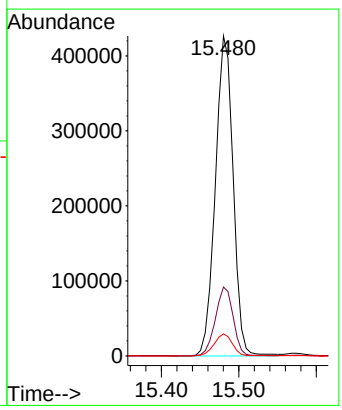


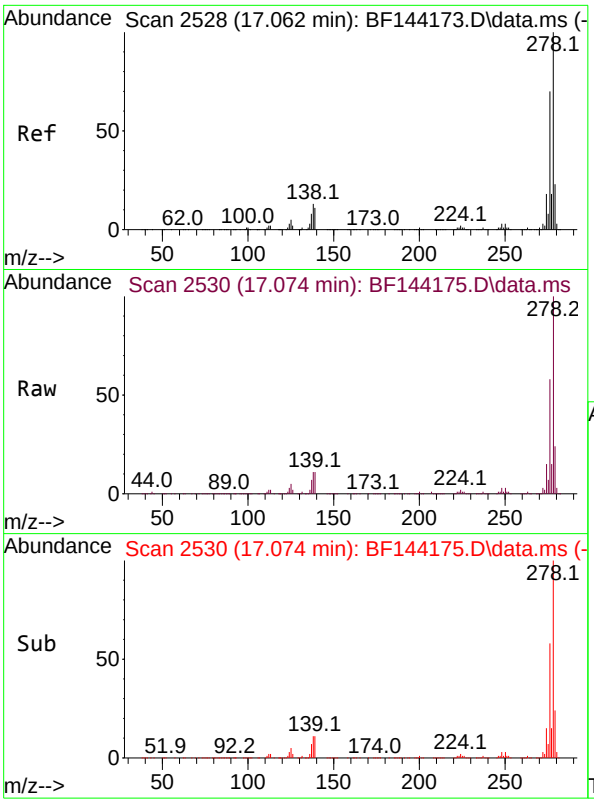


#90
Benzo(a)pyrene
Concen: 63.078 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:252 Resp: 680720

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.7	25.1
125	6.9	5.7	8.5



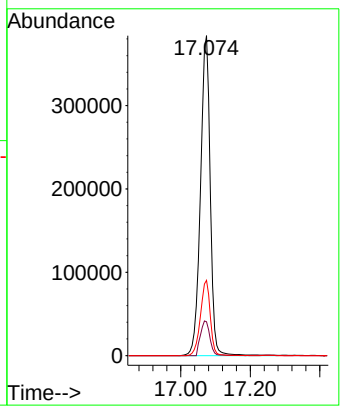


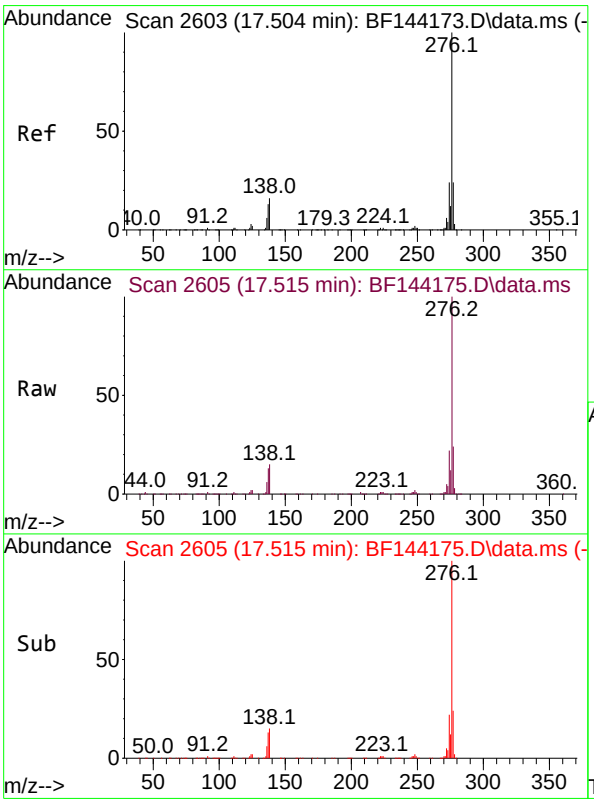
#91
Dibenzo(a,h)anthracene
Concen: 62.936 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 746544

Ion	Ratio	Lower	Upper
278	100		
139	10.6	9.1	13.7
279	23.5	18.2	27.4

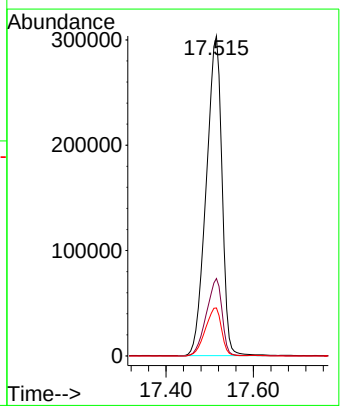




#92
Benzo(g,h,i)perylene
Concen: 64.699 ng
RT: 17.515 min Scan# 2605
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:276 Resp: 757880

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	15.0	12.9	19.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144176.D
Acq On : 05 Nov 2025 16:49
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Nov 05 17:24:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69287	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	261584	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	147600	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	244733	20.000	ng	0.00
76) Chrysene-d12	14.063	240	156809	20.000	ng	0.00
86) Perylene-d12	15.545	264	213275	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	661124	149.317	ng	0.00
7) Phenol-d6	6.510	99	742089	147.919	ng	0.00
23) Nitrobenzene-d5	7.445	82	707494	156.207	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	293555	158.489	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1397211	139.809	ng	0.00
79) Terphenyl-d14	12.998	244	1449323	146.810	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.604	88	149682	81.770	ng	99
3) Pyridine	3.375	79	427549	83.719	ng	99
4) n-Nitrosodimethylamine	3.346	42	224403	84.122	ng	98
6) Aniline	6.545	93	532078	74.439	ng	98
8) 2-Chlorophenol	6.663	128	333730	76.859	ng	100
9) Benzaldehyde	6.428	77	189297	66.820	ng	97
10) Phenol	6.528	94	441818	72.080	ng	78
11) bis(2-Chloroethyl)ether	6.616	93	348844	78.104	ng	99
12) 1,3-Dichlorobenzene	6.816	146	406743	75.913	ng	97
13) 1,4-Dichlorobenzene	6.892	146	405797	75.597	ng	99
14) 1,2-Dichlorobenzene	7.045	146	389053	75.617	ng	99
15) Benzyl Alcohol	7.022	79	317271	79.866	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	620126	75.396	ng	88
17) 2-Methylphenol	7.128	107	265517	76.865	ng	99
18) Hexachloroethane	7.386	117	139795	78.387	ng	97
19) n-Nitroso-di-n-propyla...	7.298	70	249355	75.502	ng	98
20) 3+4-Methylphenols	7.287	107	299182	73.473	ng	97
22) Acetophenone	7.292	105	409610	72.994	ng	94
24) Nitrobenzene	7.463	77	385188	78.328	ng	98
25) Isophorone	7.704	82	689837	80.522	ng	99
26) 2-Nitrophenol	7.775	139	194869	80.050	ng	94
27) 2,4-Dimethylphenol	7.816	122	287607	78.826	ng	96
28) bis(2-Chloroethoxy)met...	7.910	93	407835	76.234	ng	97
29) 2,4-Dichlorophenol	8.022	162	311260	74.016	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	326475	75.604	ng	97
31) Naphthalene	8.186	128	920731	73.994	ng	99
32) Benzoic acid	7.951	122	213364	79.777	ng	97
33) 4-Chloroaniline	8.233	127	341033	75.146	ng	97
34) Hexachlorobutadiene	8.298	225	249435	76.645	ng	98
35) Caprolactam	8.622	113	91899	79.765	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	290083	76.969	ng	98
37) 2-Methylnaphthalene	8.875	142	610532	73.386	ng	100
38) 1-Methylnaphthalene	8.975	142	586747	73.093	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	361014	74.631	ng	99
41) Hexachlorocyclopentadiene	9.028	237	146524	78.238	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	254681	77.355	ng	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144176.D
Acq On : 05 Nov 2025 16:49
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Nov 05 17:24:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	268940	75.791 ng	98
46) 1,1'-Biphenyl	9.339	154	749883	72.784 ng	99
47) 2-Chloronaphthalene	9.369	162	641521	72.995 ng	99
48) 2-Nitroaniline	9.463	65	203746	80.348 ng	98
49) Acenaphthylene	9.780	152	889410	74.264 ng	99
50) Dimethylphthalate	9.633	163	736477	75.318 ng	100
51) 2,6-Dinitrotoluene	9.704	165	156870	79.250 ng	98
52) Acenaphthene	9.951	154	594593	74.243 ng	99
53) 3-Nitroaniline	9.875	138	167110	77.230 ng	96
54) 2,4-Dinitrophenol	9.986	184	96727	80.924 ng	96
55) Dibenzofuran	10.128	168	802174	71.517 ng	98
56) 4-Nitrophenol	10.039	139	117050	74.782 ng	93
57) 2,4-Dinitrotoluene	10.110	165	208441	78.661 ng	95
58) Fluorene	10.469	166	618508	72.526 ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	203523	81.067 ng	98
60) Diethylphthalate	10.339	149	686705	76.182 ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	357010	73.492 ng	95
62) 4-Nitroaniline	10.498	138	158441	76.889 ng	98
63) Azobenzene	10.622	77	646943	77.117 ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	134894	81.136 ng	96
66) n-Nitrosodiphenylamine	10.580	169	600791	76.327 ng	99
67) 4-Bromophenyl-phenylether	10.951	248	246236	78.826 ng	97
68) Hexachlorobenzene	11.022	284	289823	78.769 ng	97
69) Atrazine	11.110	200	191862	76.645 ng	99
70) Pentachlorophenol	11.216	266	161918	88.373 ng	99
71) Phenanthrene	11.433	178	916773	75.238 ng	99
72) Anthracene	11.486	178	916037	73.934 ng	99
73) Carbazole	11.645	167	777702	73.816 ng	100
74) Di-n-butylphthalate	11.969	149	965695	75.822 ng	100
75) Fluoranthene	12.627	202	937436	74.476 ng	99
77) Benzidine	12.751	184	347077	74.828 ng	99
78) Pyrene	12.857	202	943190	74.600 ng	99
80) Butylbenzylphthalate	13.474	149	344575	78.633 ng	99
81) Benzo(a)anthracene	14.051	228	856602	78.818 ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	301919	81.046 ng	97
83) Chrysene	14.086	228	792397	78.982 ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	479285	79.898 ng	99
85) Di-n-octyl phthalate	14.645	149	855486	82.657 ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	1215637	79.403 ng	99
88) Benzo(b)fluoranthene	15.110	252	975518	80.454 ng	99
89) Benzo(k)fluoranthene	15.145	252	870791	76.728 ng	98
90) Benzo(a)pyrene	15.486	252	877623	78.458 ng	98
91) Dibenzo(a,h)anthracene	17.080	278	970735	78.952 ng	98
92) Benzo(g,h,i)perylene	17.521	276	981387	80.827 ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

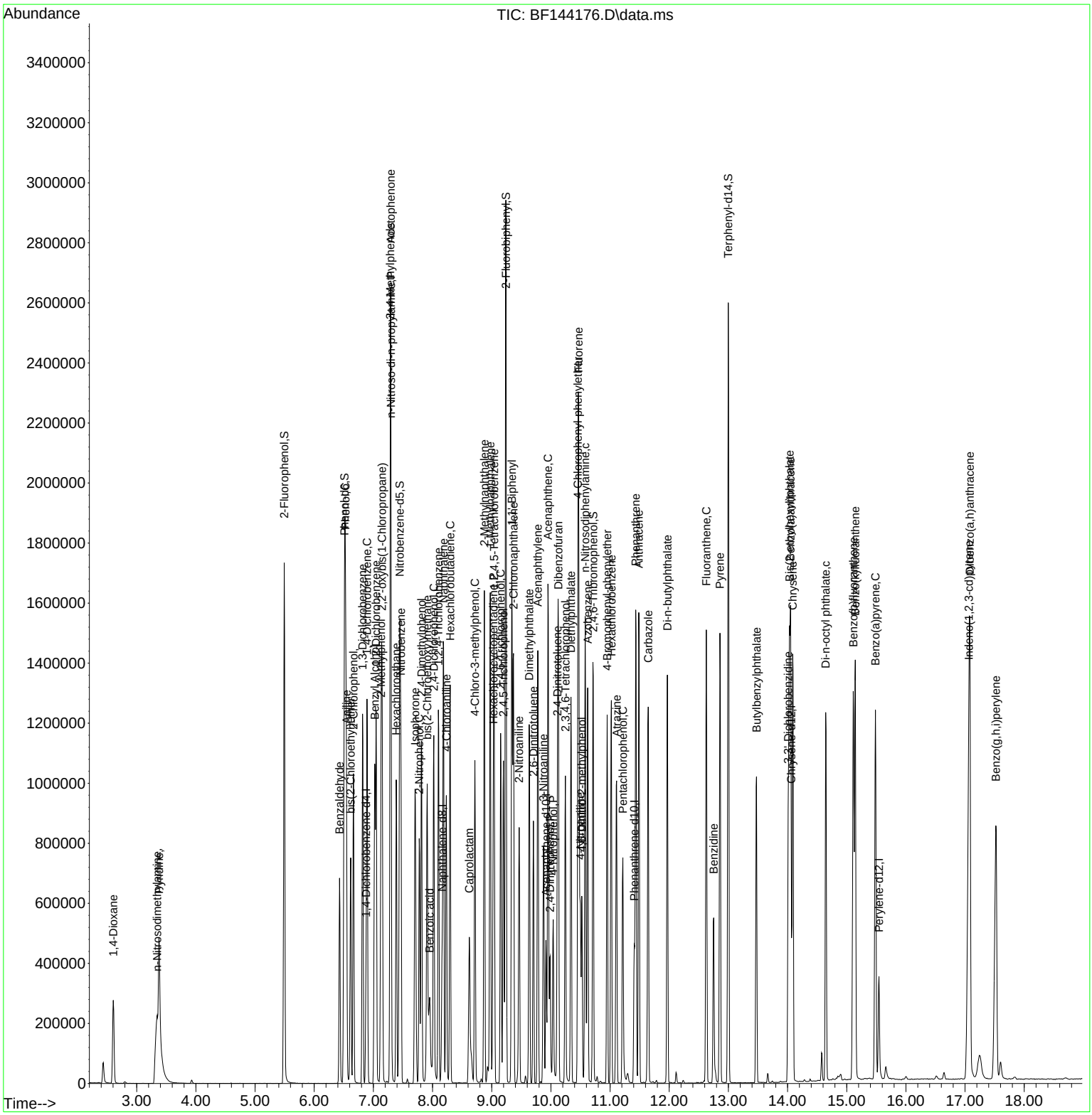
Quantitation Report (QT Reviewed)

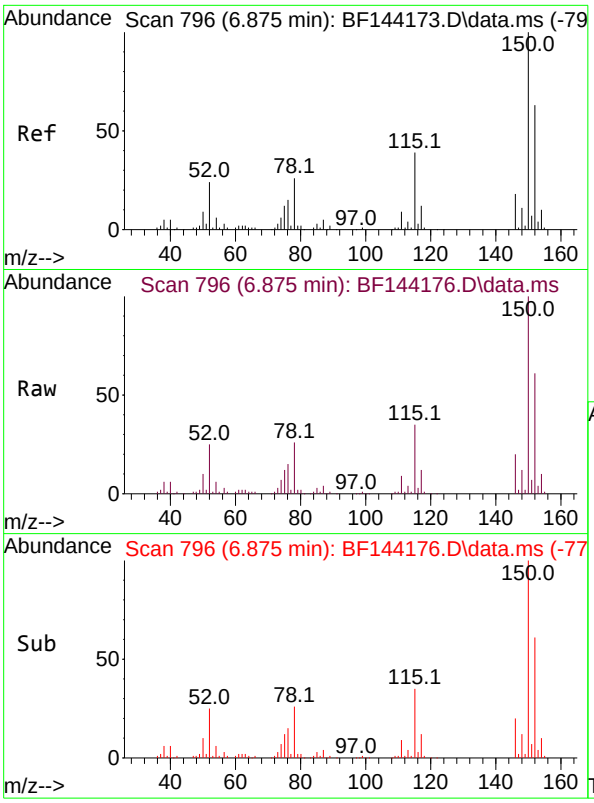
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144176.D
Acq On : 05 Nov 2025 16:49
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Nov 05 17:24:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



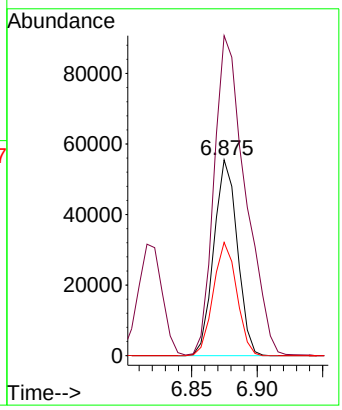


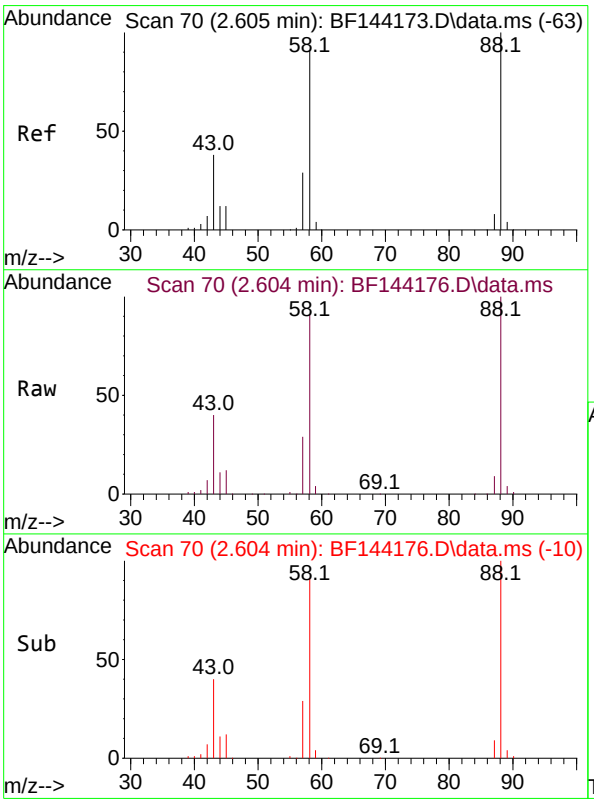
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 69287

Ion	Ratio	Lower	Upper
152	100		
150	163.4	127.4	191.0
115	57.8	49.5	74.3

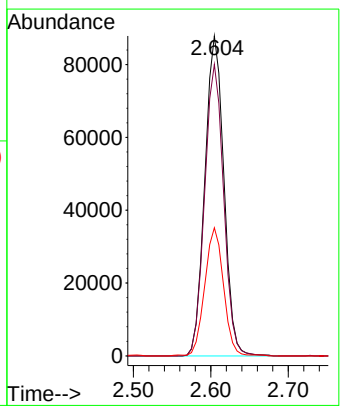


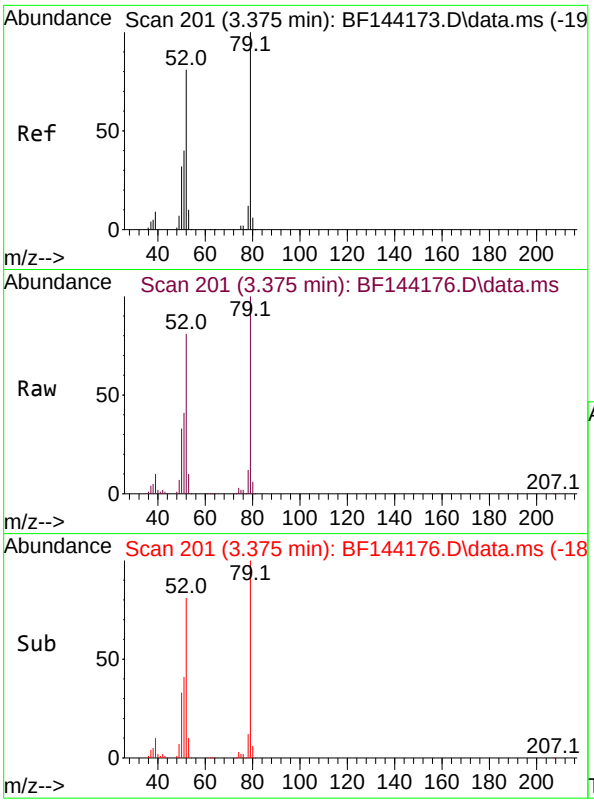


#2
1,4-Dioxane
Concen: 81.770 ng
RT: 2.604 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 88 Resp: 149682

Ion	Ratio	Lower	Upper
88	100		
58	91.2	73.1	109.7
43	39.7	31.0	46.6



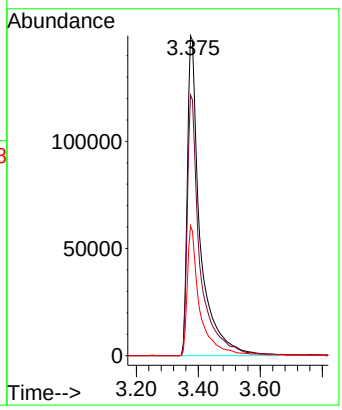


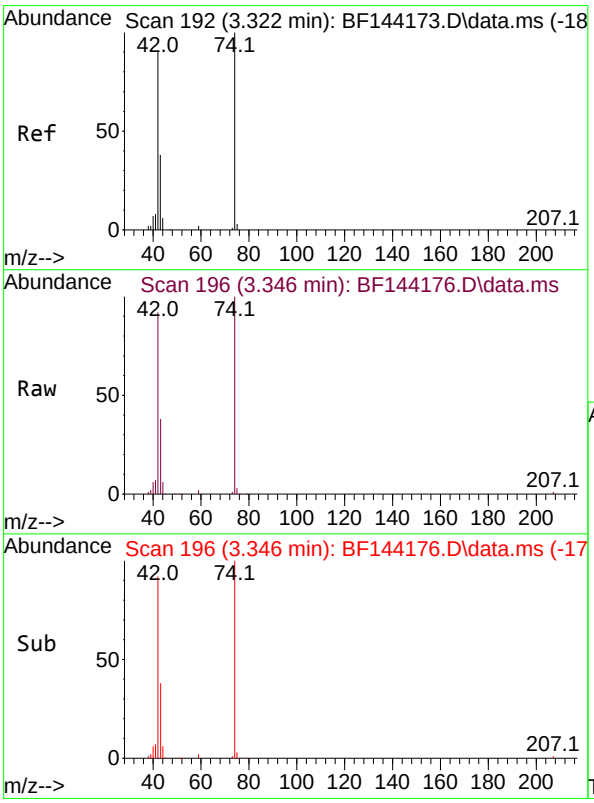
#3
Pyridine
Concen: 83.719 ng
RT: 3.375 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 427549

Ion	Ratio	Lower	Upper
79	100		
52	81.5	64.5	96.7
51	40.5	31.7	47.5

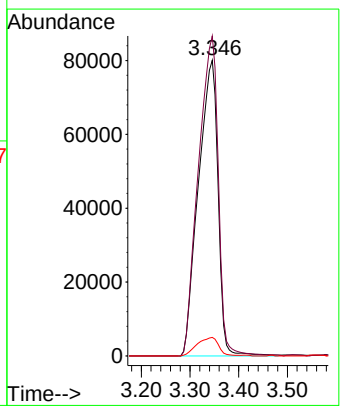


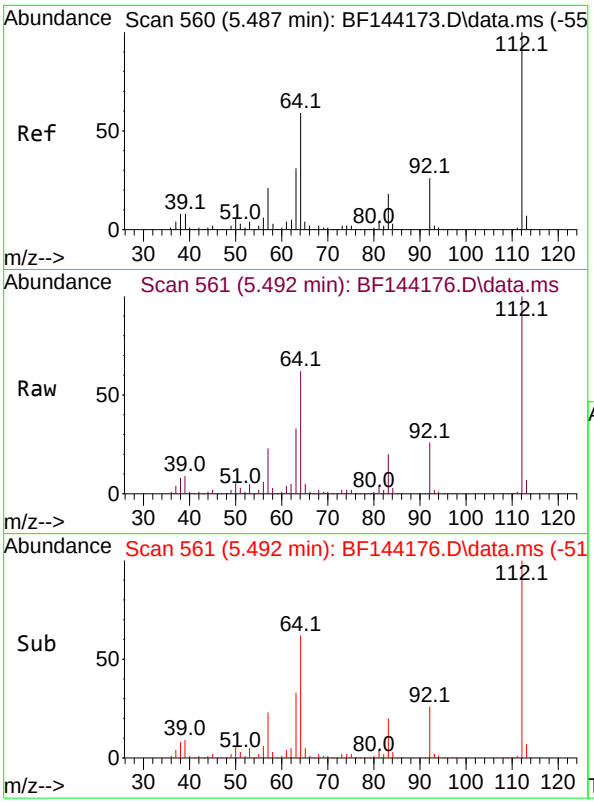


#4
n-Nitrosodimethylamine
Concen: 84.122 ng
RT: 3.346 min Scan# 196
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 42 Resp: 224403

Ion	Ratio	Lower	Upper
42	100		
74	108.2	88.2	132.4
44	6.2	5.7	8.5



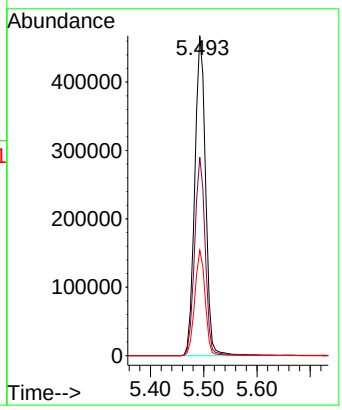


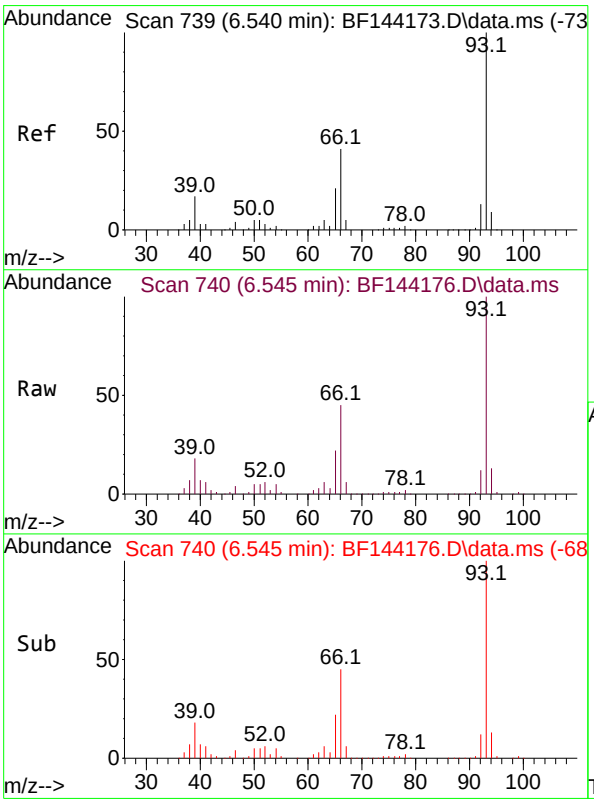
#5
2-Fluorophenol
Concen: 149.317 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 661124

Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.2	70.8
63	32.9	24.4	36.6

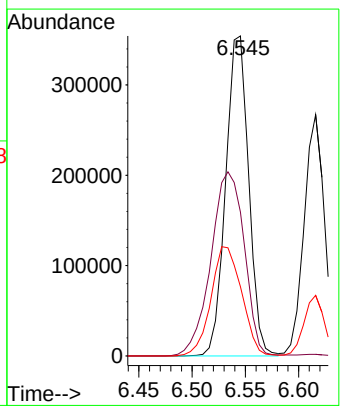


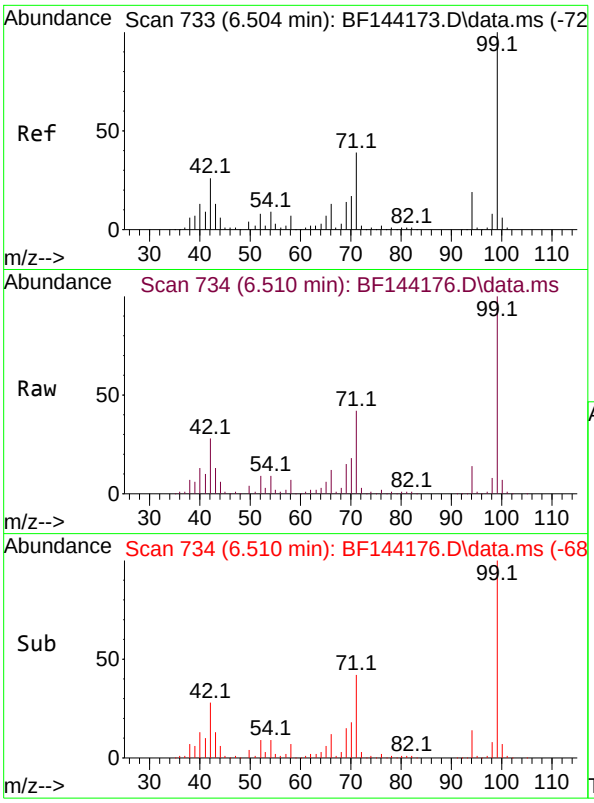


#6
Aniline
Concen: 74.439 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 93 Resp: 532078

Ion	Ratio	Lower	Upper
93	100		
66	44.9	34.3	51.5
65	21.6	16.9	25.3



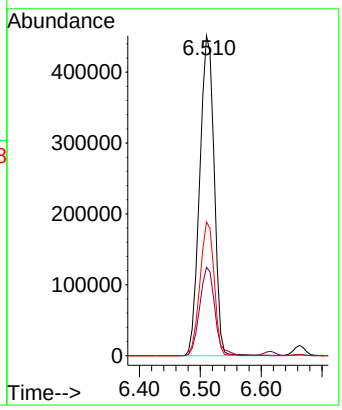


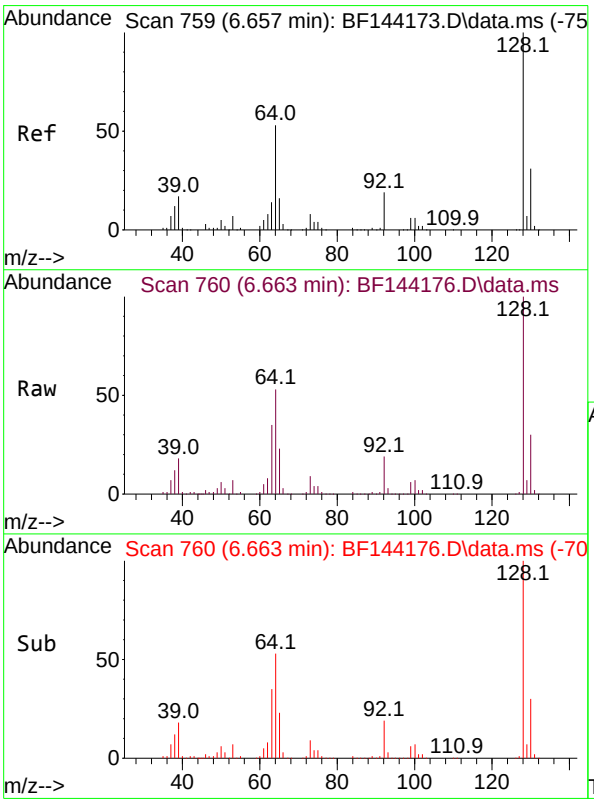
#7
Phenol-d6
Concen: 147.919 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 742089

Ion	Ratio	Lower	Upper
99	100		
42	27.6	20.9	31.3
71	41.8	31.4	47.2

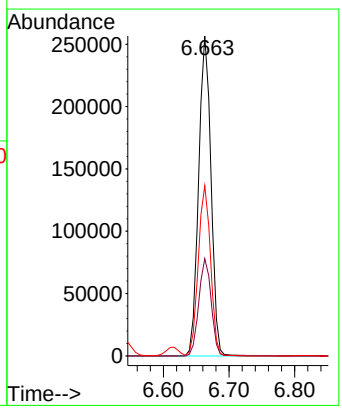


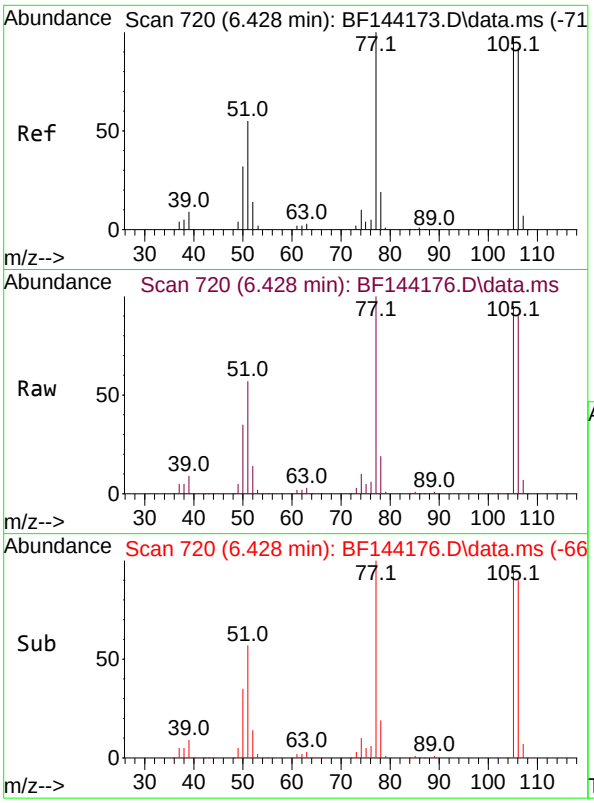


#8
2-Chlorophenol
Concen: 76.859 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:128 Resp: 333730

Ion	Ratio	Lower	Upper
128	100		
130	30.4	10.5	50.5
64	53.2	33.2	73.2



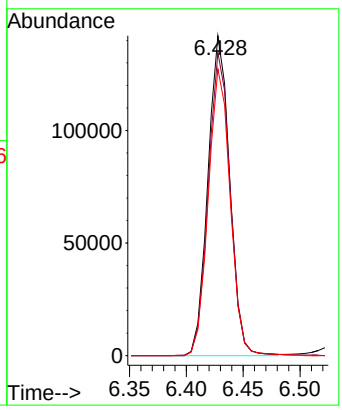


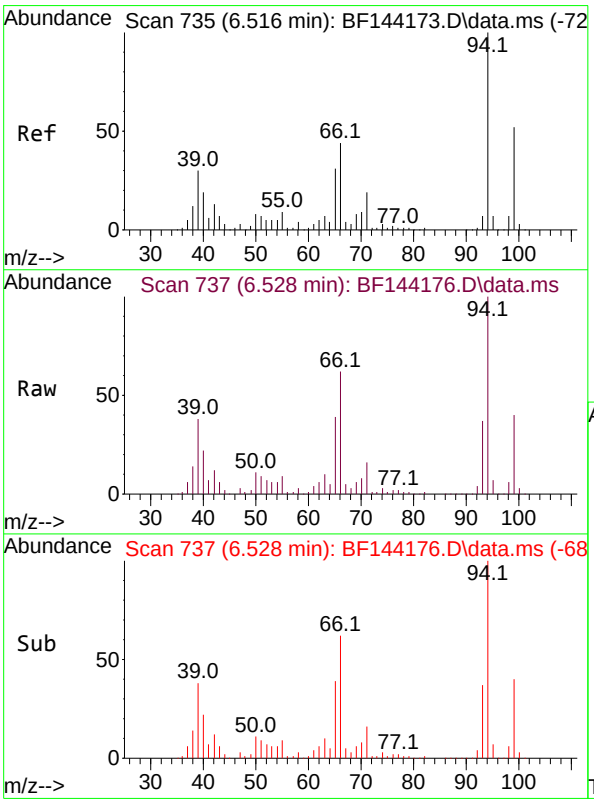
#9
Benzaldehyde
Concen: 66.820 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 189297

Ion	Ratio	Lower	Upper
77	100		
105	94.7	77.2	117.2
106	89.6	72.2	112.2

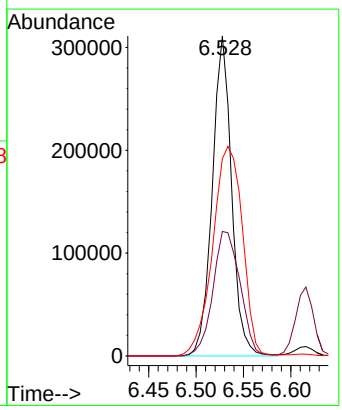


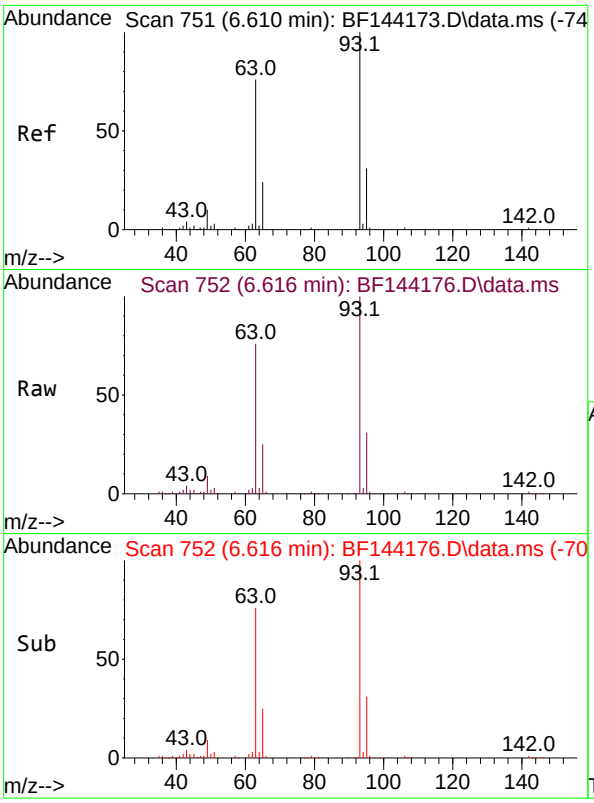


#10
Phenol
Concen: 72.080 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 94 Resp: 441818

Ion	Ratio	Lower	Upper
94	100		
65	38.9	10.8	50.8
66	61.6	24.3	64.3



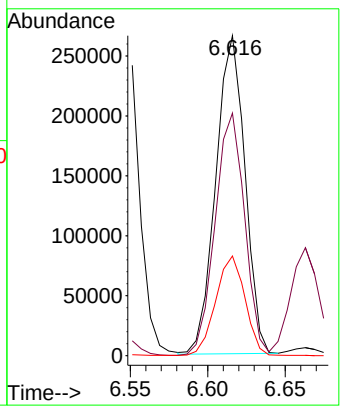


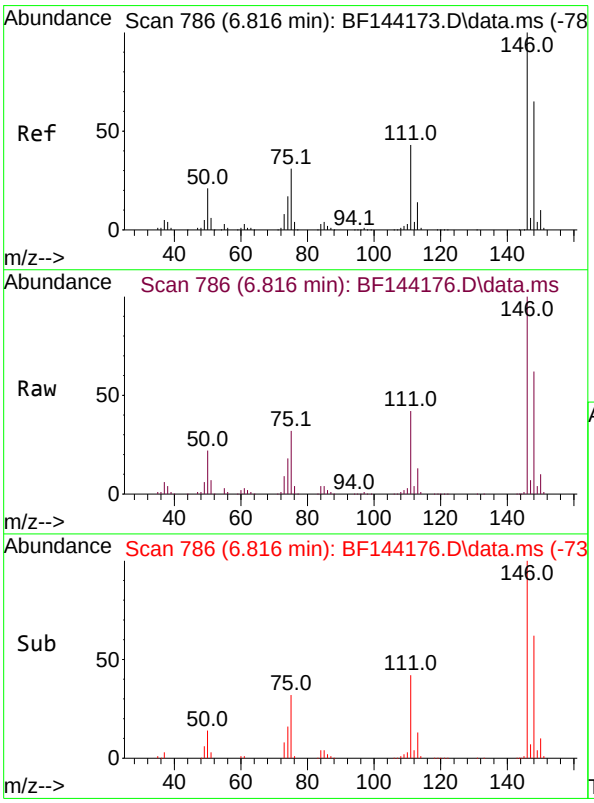
#11
bis(2-Chloroethyl)ether
Concen: 78.104 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 348844

Ion	Ratio	Lower	Upper
93	100		
63	75.8	55.2	95.2
95	31.1	11.2	51.2

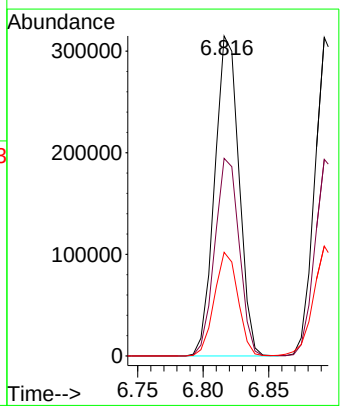


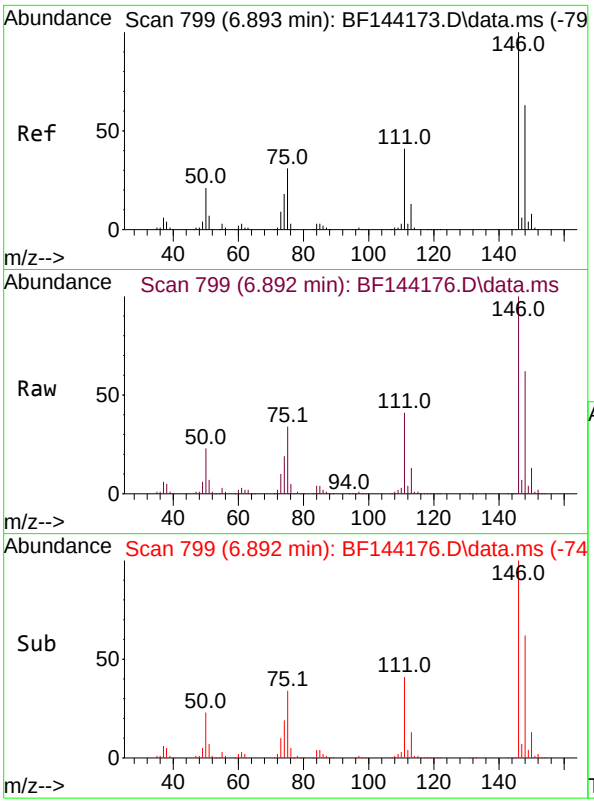


#12
1,3-Dichlorobenzene
Concen: 75.913 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:146 Resp: 406743

Ion	Ratio	Lower	Upper
146	100		
148	61.7	51.8	77.8
75	32.4	25.0	37.4



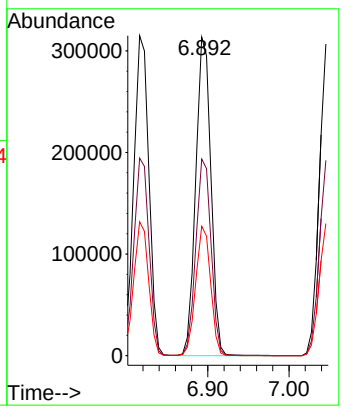


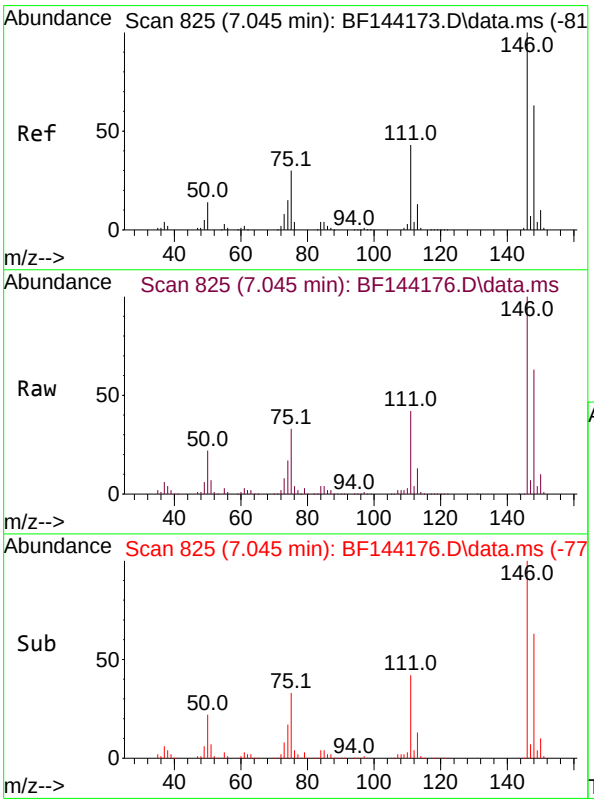
#13
1,4-Dichlorobenzene
Concen: 75.597 ng
RT: 6.892 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 405797

Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.2	75.2
111	40.6	32.6	48.8

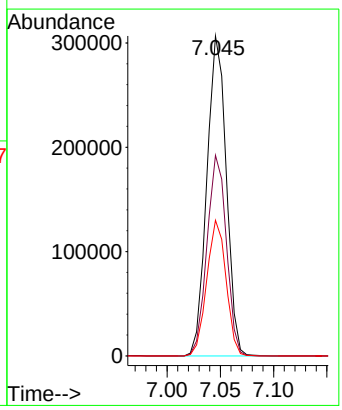


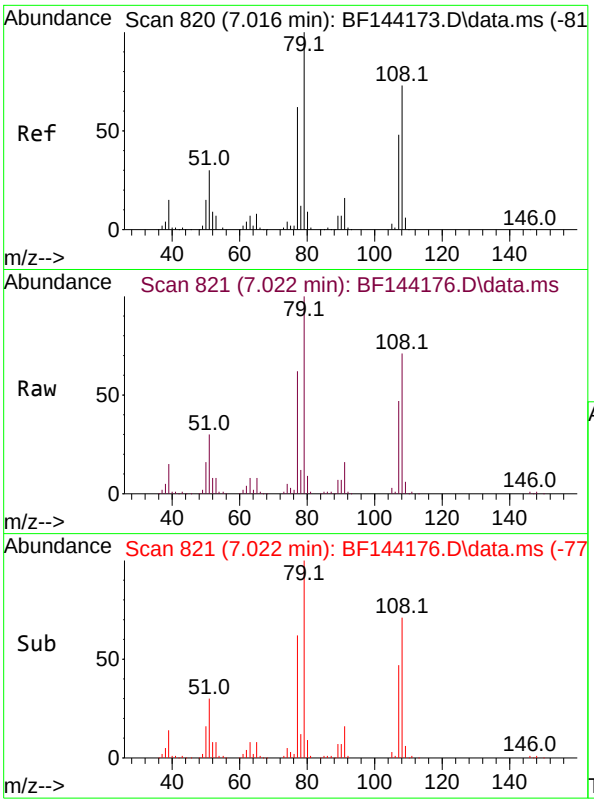


#14
1,2-Dichlorobenzene
Concen: 75.617 ng
RT: 7.045 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:146 Resp: 389053

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.7	76.1
111	42.4	34.2	51.4



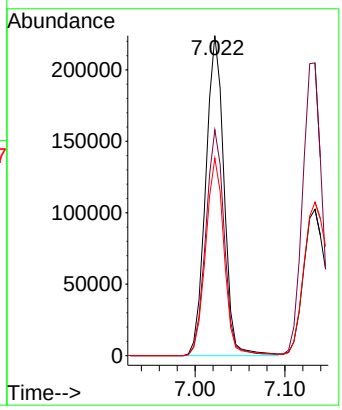


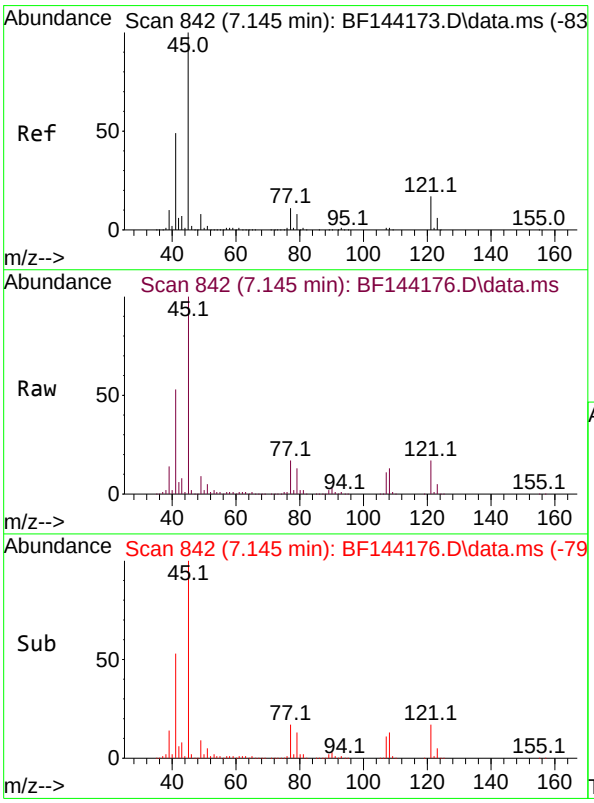
#15
Benzyl Alcohol
Concen: 79.866 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 317271

Ion	Ratio	Lower	Upper
79	100		
108	70.6	58.2	87.4
77	61.7	49.9	74.9

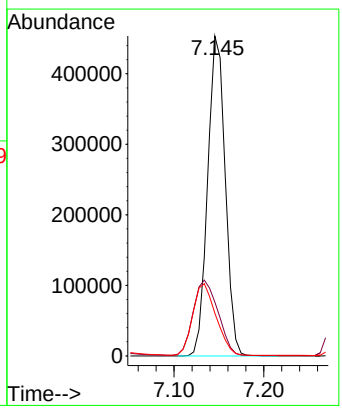


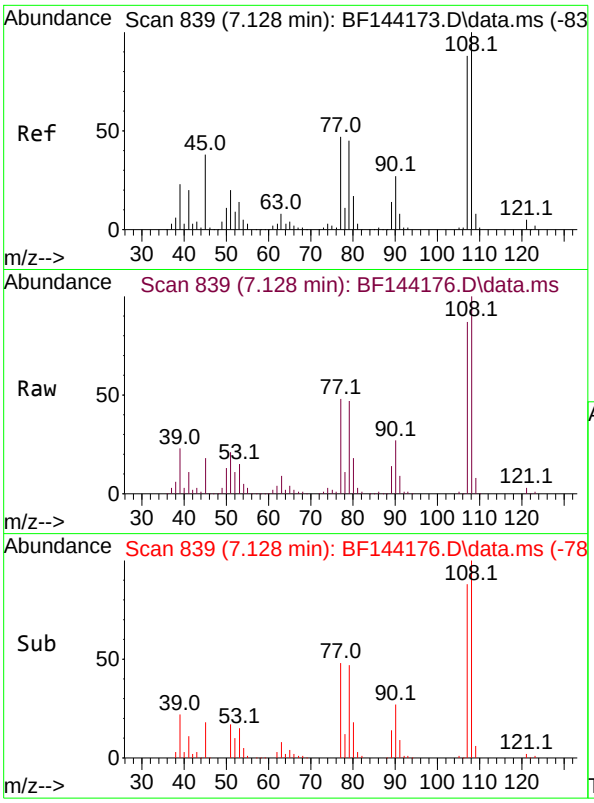


#16
2,2'-oxybis(1-Chloropropane)
Concen: 75.396 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 45 Resp: 620126

Ion	Ratio	Lower	Upper
45	100		
77	16.8	0.0	31.8
79	13.3	0.0	29.1



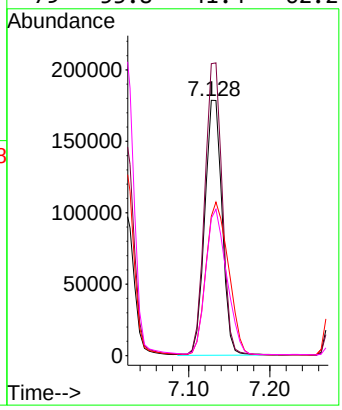


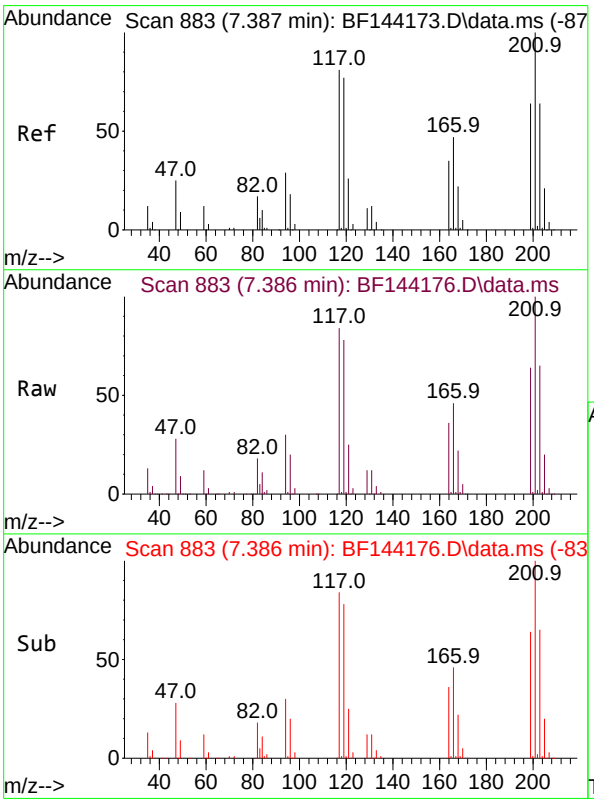
#17
2-Methylphenol
Concen: 76.865 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 265517

Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.0	136.4
77	54.6	42.7	64.1
79	53.8	41.4	62.2

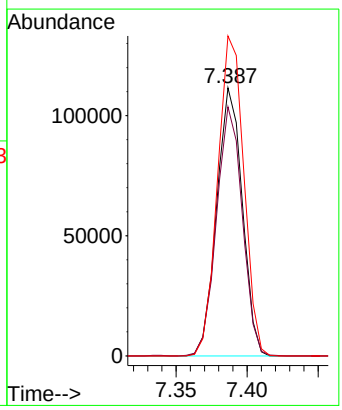


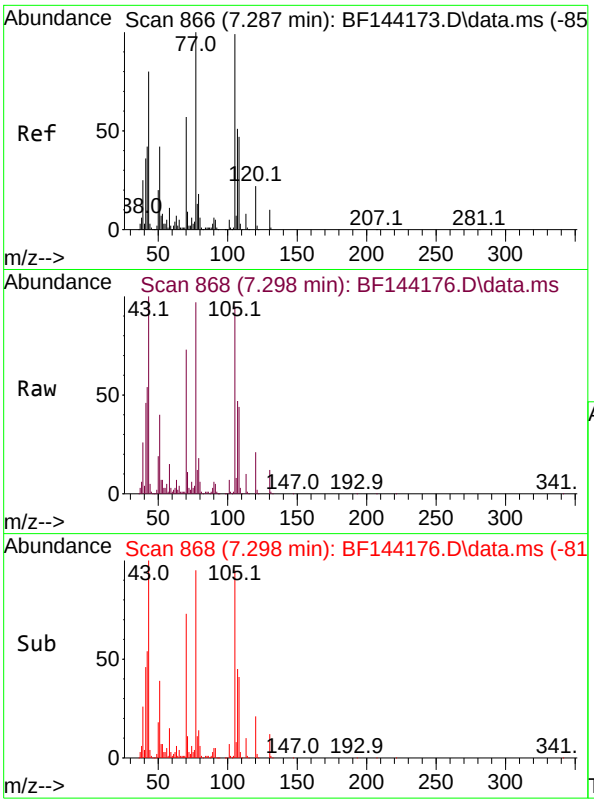


#18
Hexachloroethane
Concen: 78.387 ng
RT: 7.386 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:117 Resp: 139795

Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.8	113.8
201	119.4	98.9	148.3



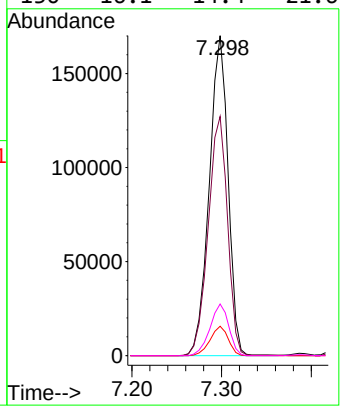


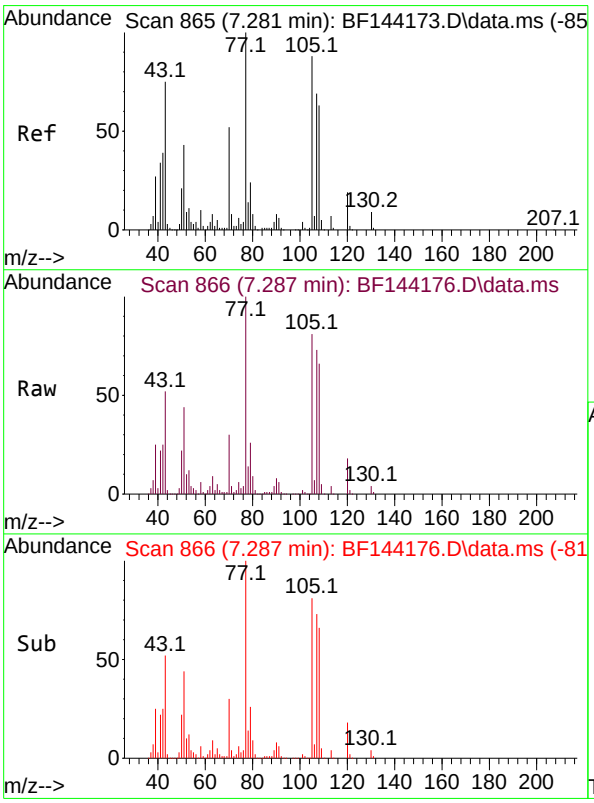
#19
n-Nitroso-di-n-propylamine
Concen: 75.502 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 249355

Ion	Ratio	Lower	Upper
70	100		
42	74.7	58.3	87.5
101	9.2	7.0	10.6
130	16.1	14.4	21.6

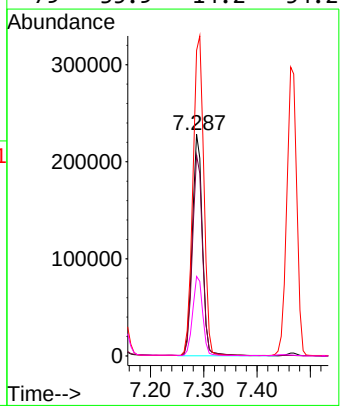


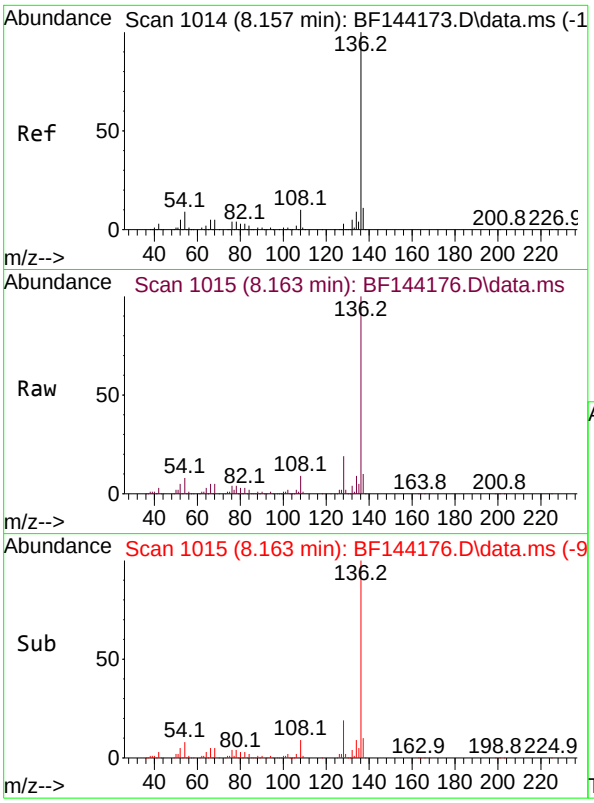


#20
3+4-Methylphenols
Concen: 73.473 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:107 Resp: 299182

Ion	Ratio	Lower	Upper
107	100		
108	90.6	70.2	110.2
77	137.9	123.9	163.9
79	35.9	14.2	54.2



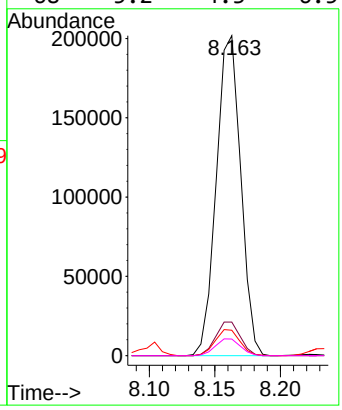


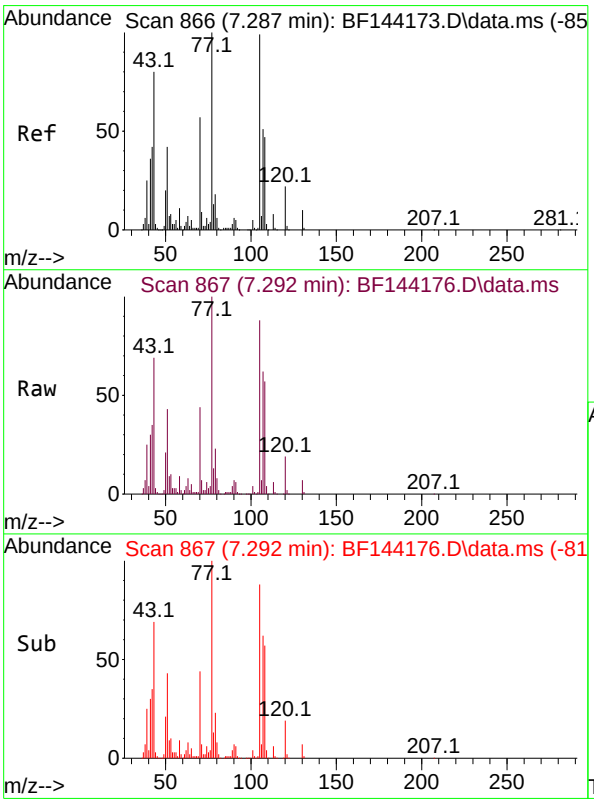
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 261584

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	7.9	7.0	10.6
68	5.2	4.3	6.5

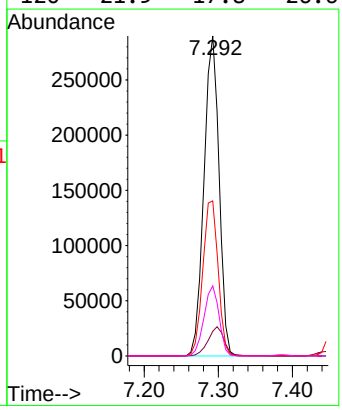


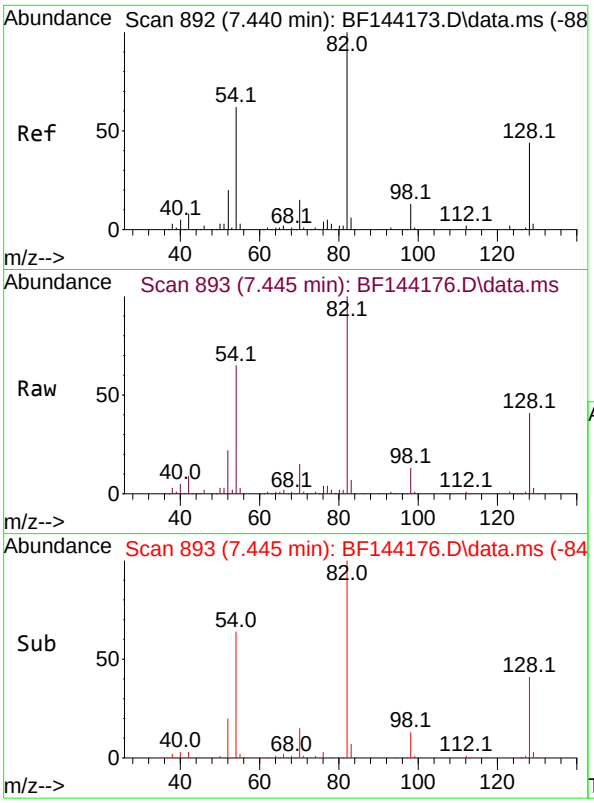


#22
Acetophenone
Concen: 72.994 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:105 Resp: 409610

Ion	Ratio	Lower	Upper
105	100		
71	7.7	7.2	10.8
51	48.4	34.0	51.0
120	21.9	17.8	26.6



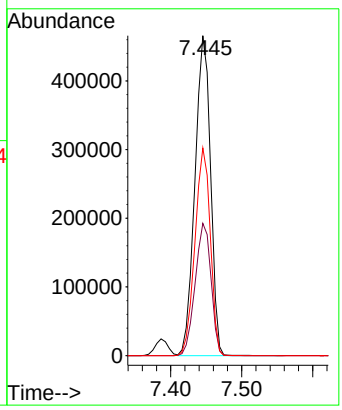


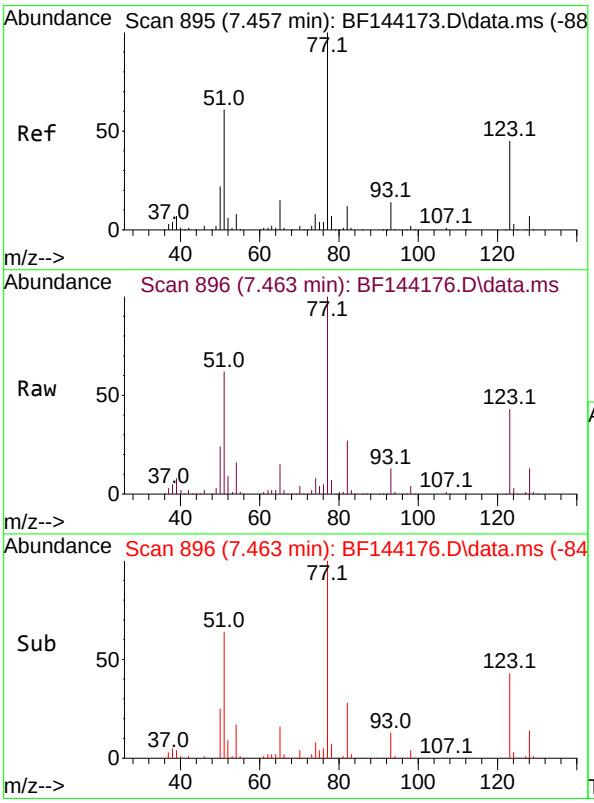
#23
Nitrobenzene-d5
Concen: 156.207 ng
RT: 7.445 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 707494

Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.7	52.1
54	64.9	49.5	74.3

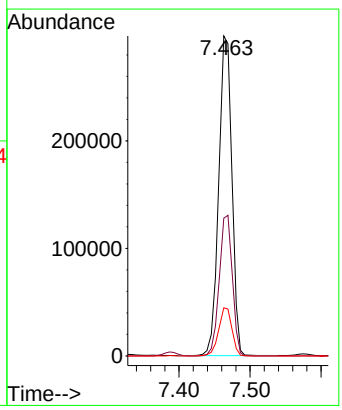


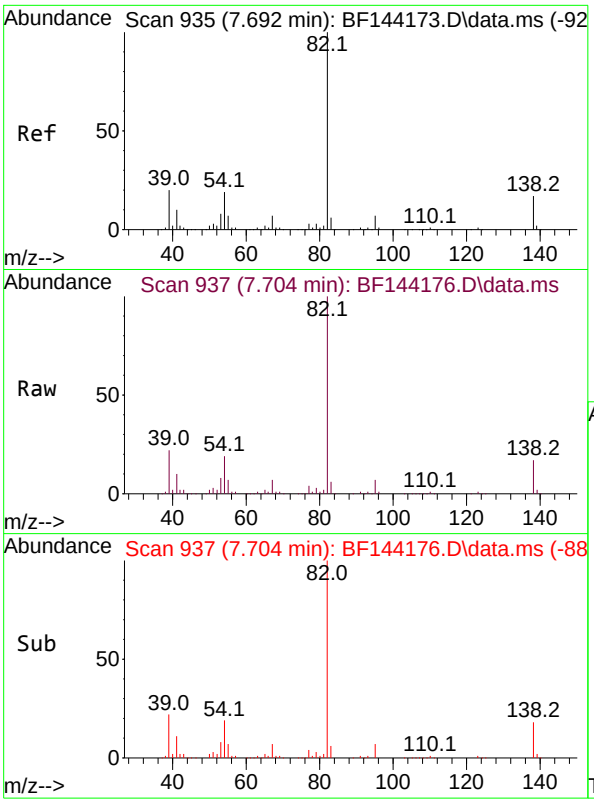


#24
Nitrobenzene
Concen: 78.328 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 77 Resp: 385188

Ion	Ratio	Lower	Upper
77	100		
123	43.0	35.8	53.8
65	15.0	12.2	18.2



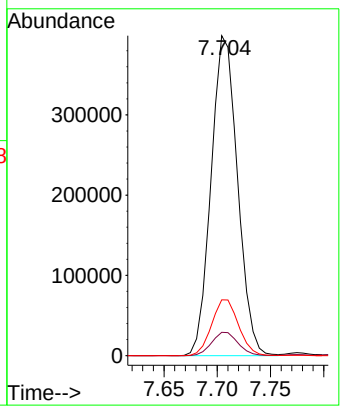


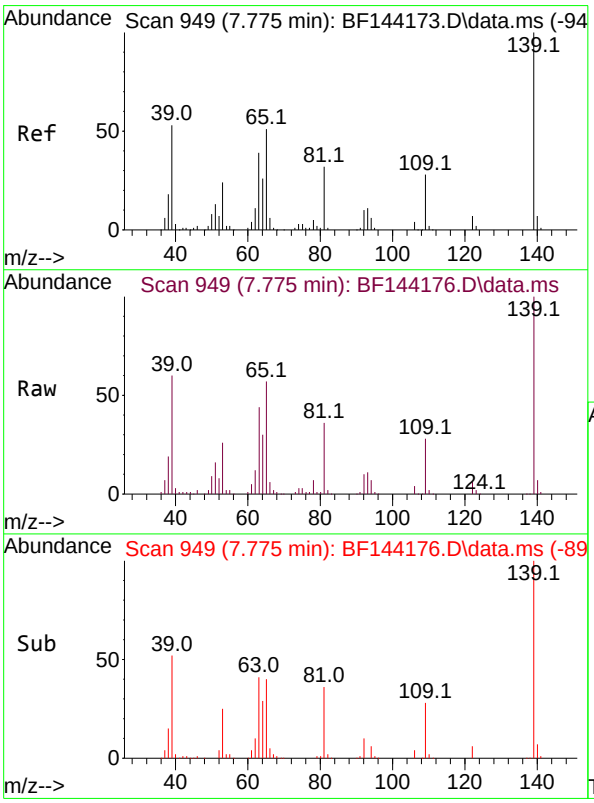
#25
Isophorone
Concen: 80.522 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 689837

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	17.4	13.7	20.5

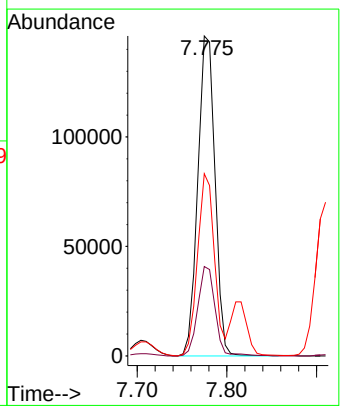


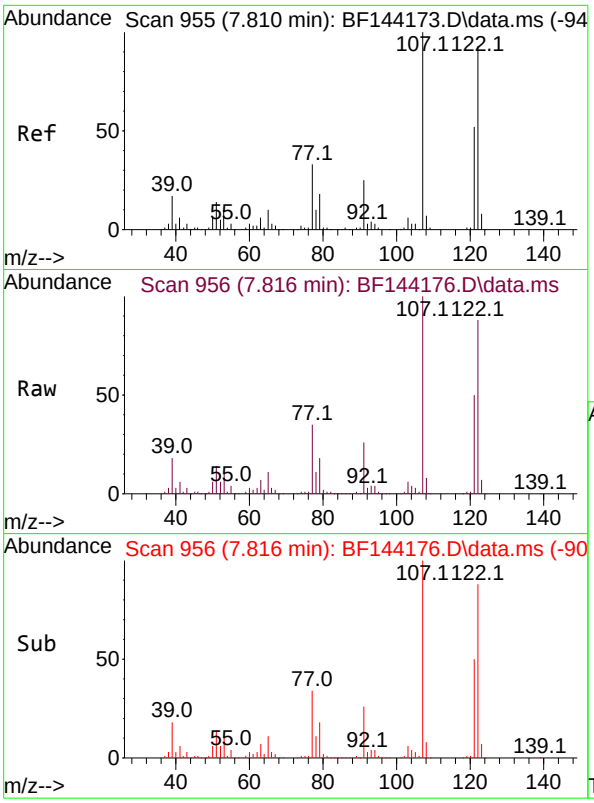


#26
2-Nitrophenol
Concen: 80.050 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:139 Resp: 194869

Ion	Ratio	Lower	Upper
139	100		
109	27.9	22.2	33.2
65	56.9	40.7	61.1



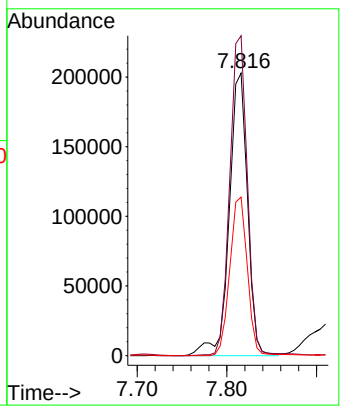


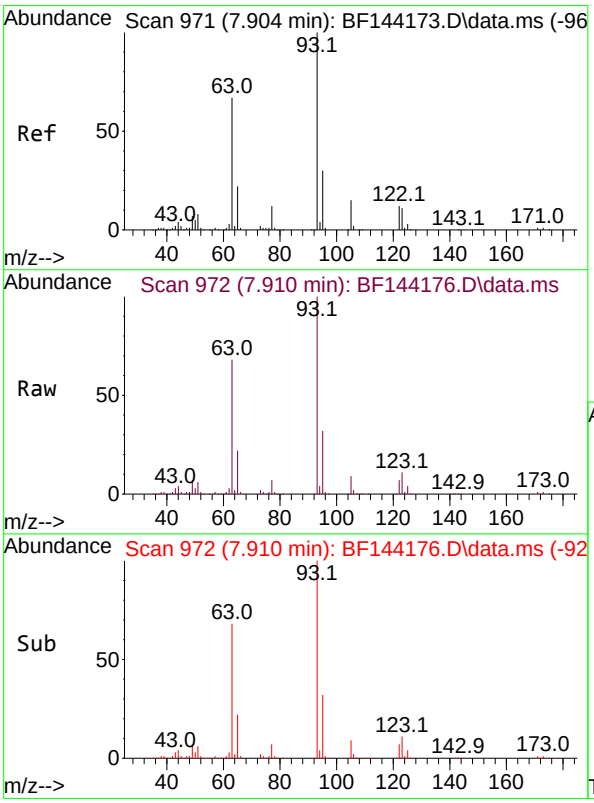
#27
2,4-Dimethylphenol
Concen: 78.826 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 287607

Ion	Ratio	Lower	Upper
122	100		
107	113.2	86.2	129.4
121	56.1	44.6	66.8

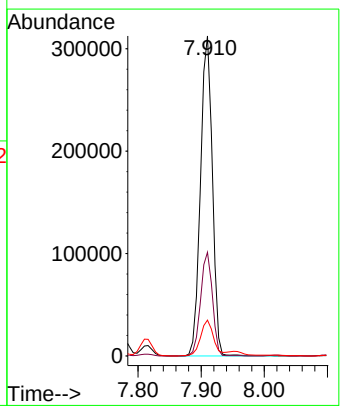


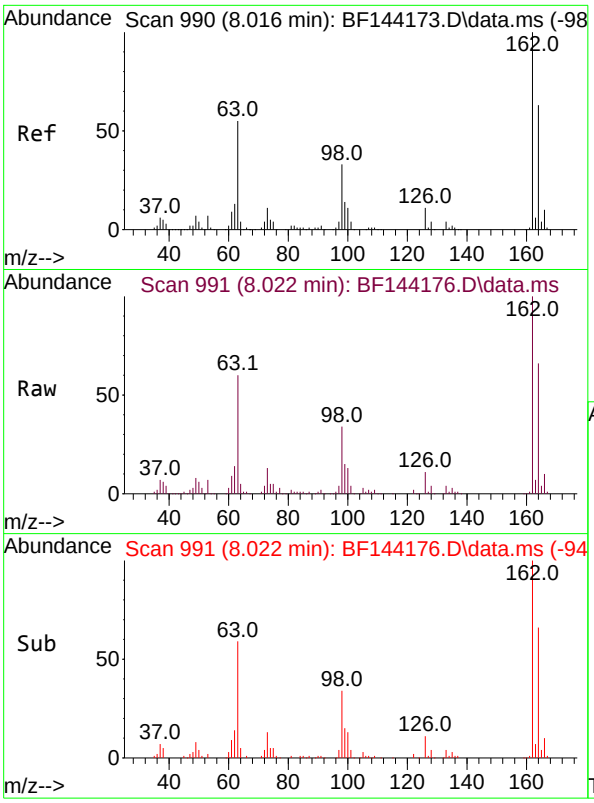


#28
bis(2-Chloroethoxy)methane
Concen: 76.234 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 93 Resp: 407835

Ion	Ratio	Lower	Upper
93	100		
95	32.4	24.2	36.4
123	11.2	9.0	13.4



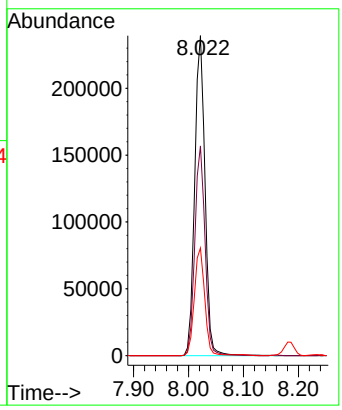


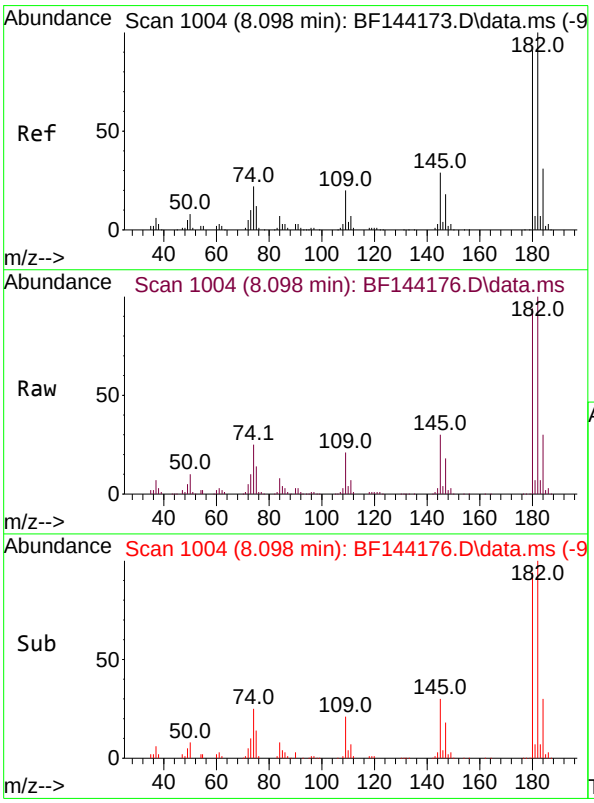
#29
2,4-Dichlorophenol
Concen: 74.016 ng
RT: 8.022 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 311260

Ion	Ratio	Lower	Upper
162	100		
164	65.5	42.9	82.9
98	33.6	13.3	53.3

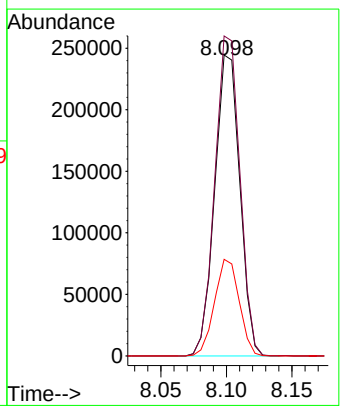


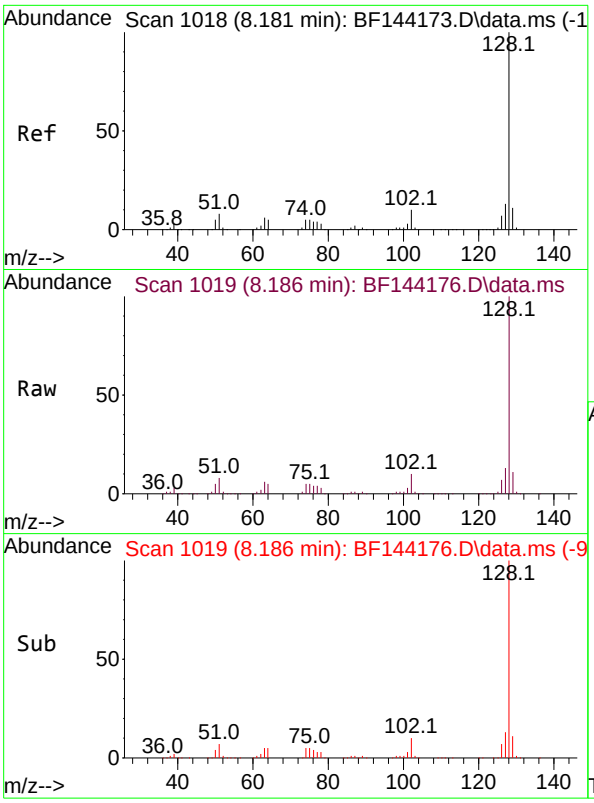


#30
1,2,4-Trichlorobenzene
Concen: 75.604 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:180 Resp: 326475

Ion	Ratio	Lower	Upper
180	100		
182	106.3	87.7	131.5
145	32.1	25.4	38.0



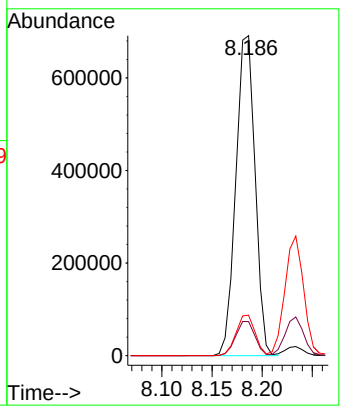


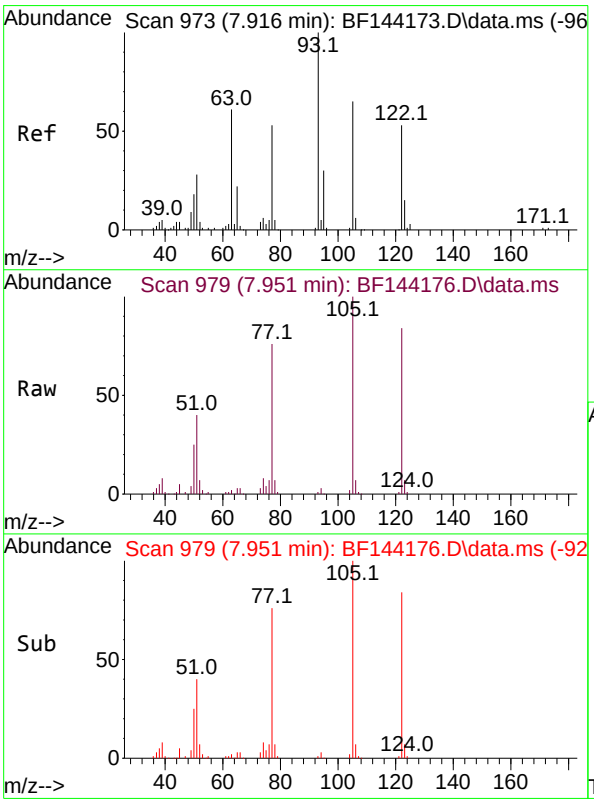
#31
Naphthalene
Concen: 73.994 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 920731

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	12.6	10.3	15.5

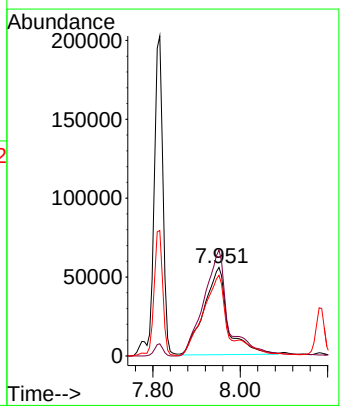


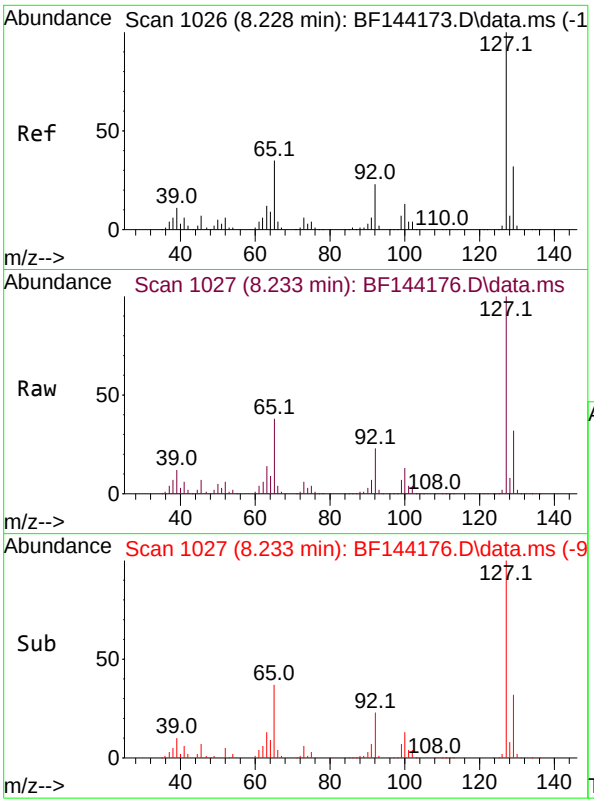


#32
Benzoic acid
Concen: 79.777 ng
RT: 7.951 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:122 Resp: 213364

Ion	Ratio	Lower	Upper
122	100		
105	119.6	99.9	139.9
77	91.1	77.5	117.5



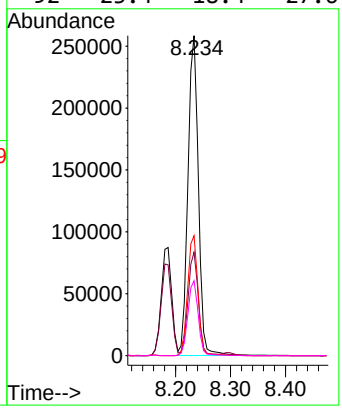


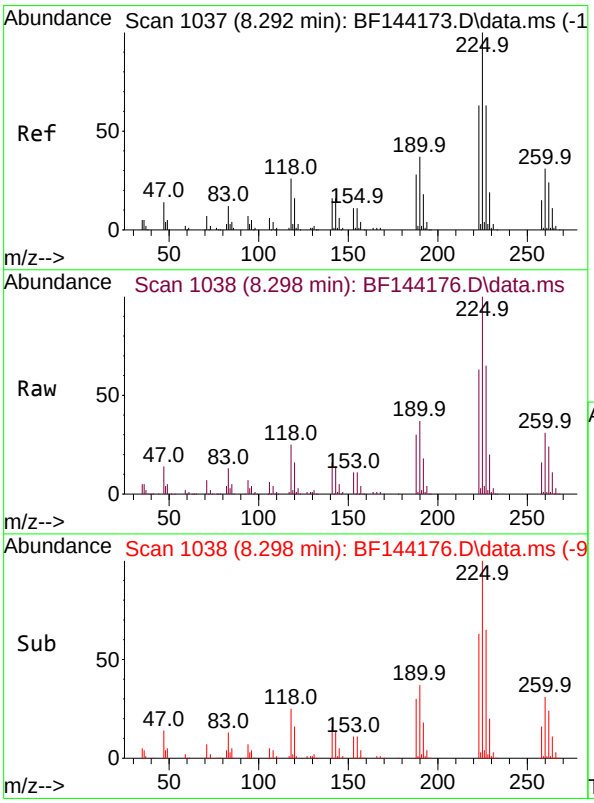
#33
4-Chloroaniline
Concen: 75.146 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 341033

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.3	37.9
65	37.5	27.6	41.4
92	23.4	18.4	27.6

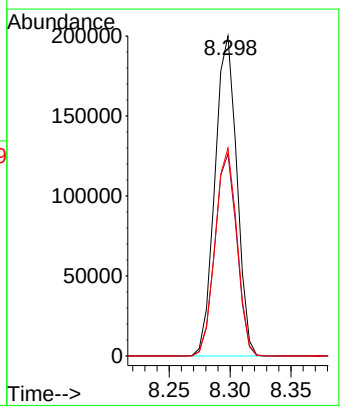


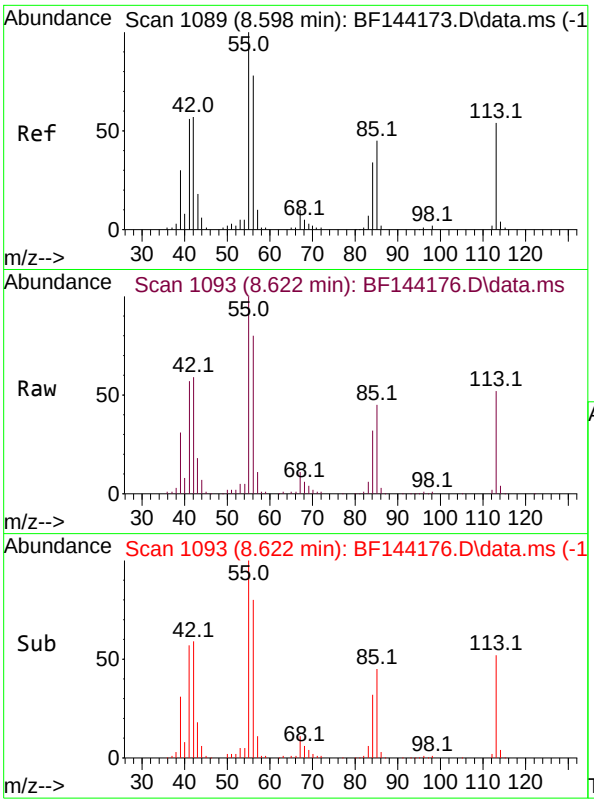


#34
Hexachlorobutadiene
Concen: 76.645 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:225 Resp: 249435

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.4
227	64.9	50.1	75.1



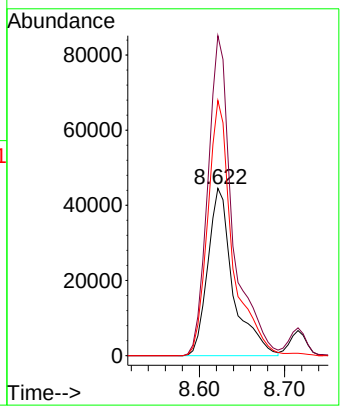


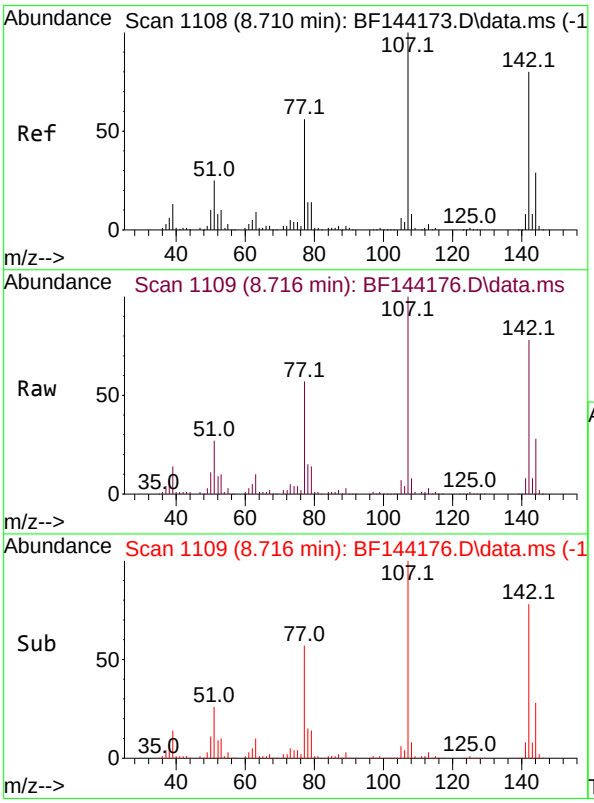
#35
Caprolactam
Concen: 79.765 ng
RT: 8.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 91899

Ion	Ratio	Lower	Upper
113	100		
55	191.2	166.8	206.8
56	152.5	125.9	165.9

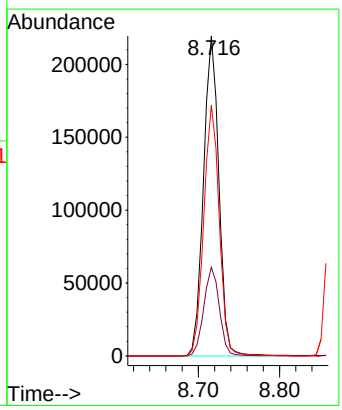


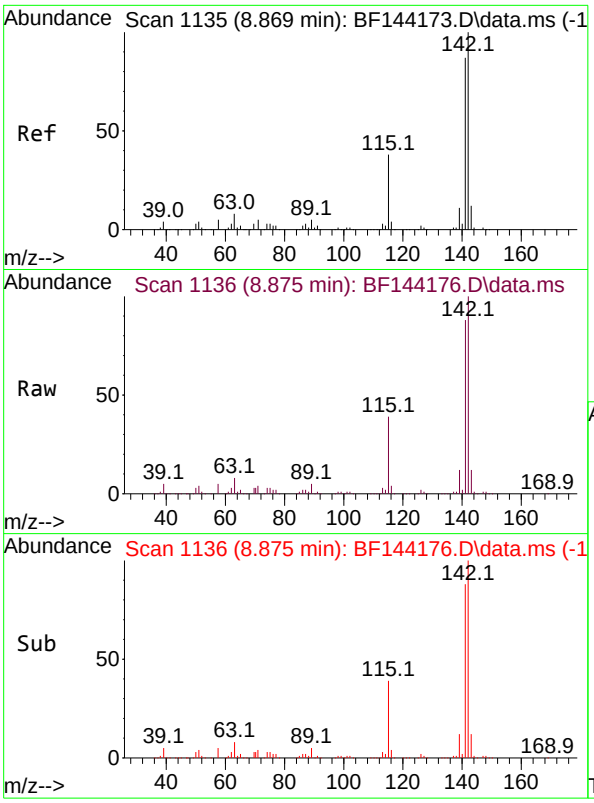


#36
4-Chloro-3-methylphenol
Concen: 76.969 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:107 Resp: 290083

Ion	Ratio	Lower	Upper
107	100		
144	27.7	23.3	34.9
142	78.3	63.8	95.6



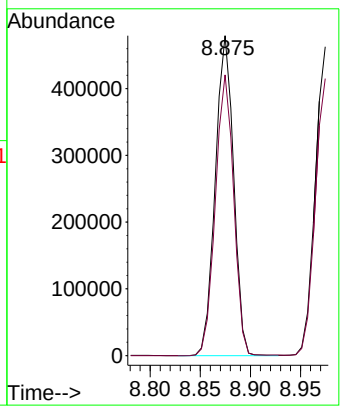


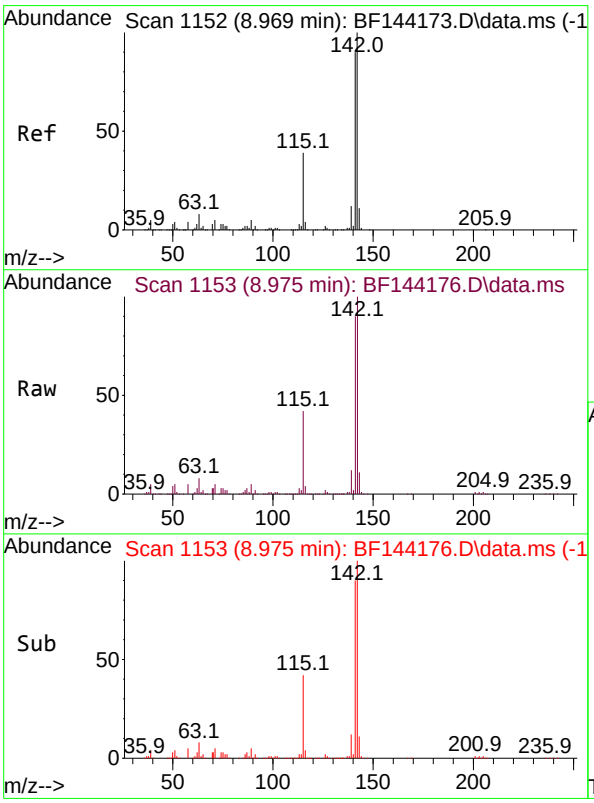
#37
2-Methylnaphthalene
Concen: 73.386 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 610532

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.9	104.9

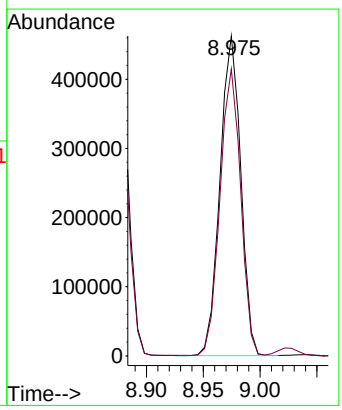


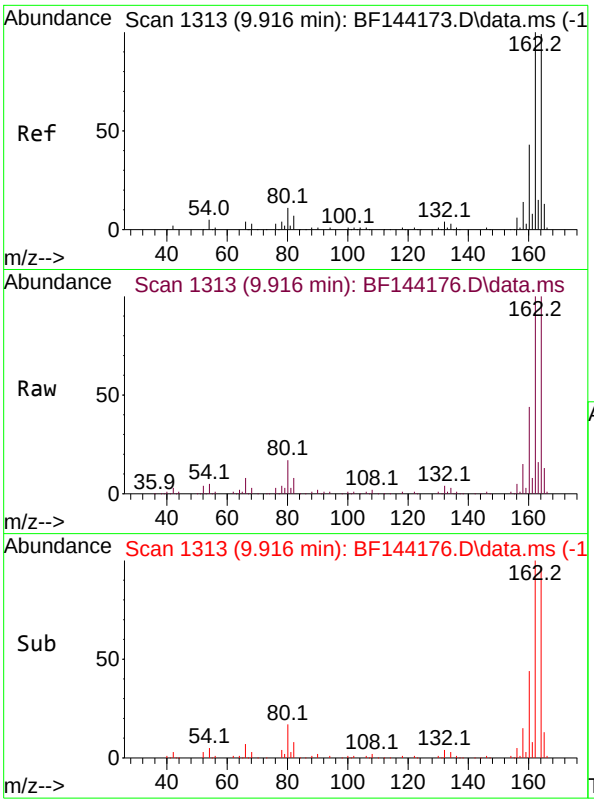


#38
1-Methylnaphthalene
Concen: 73.093 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:142 Resp: 586747

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.1	108.1



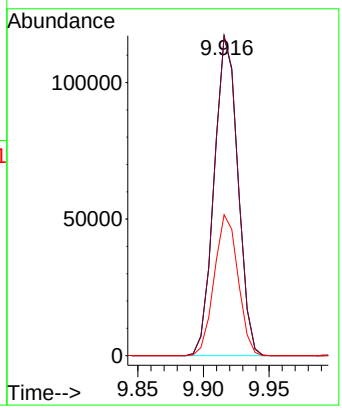


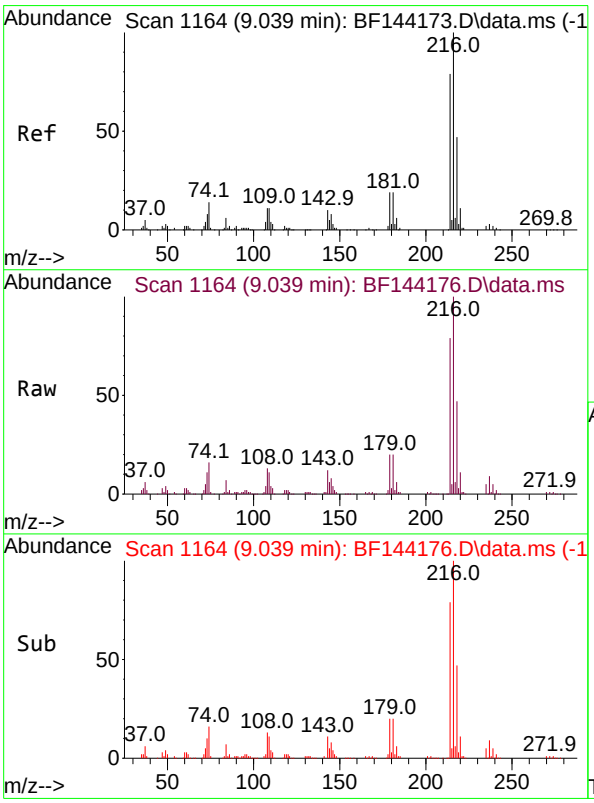
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 147600

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.1	121.7
160	44.0	34.5	51.7

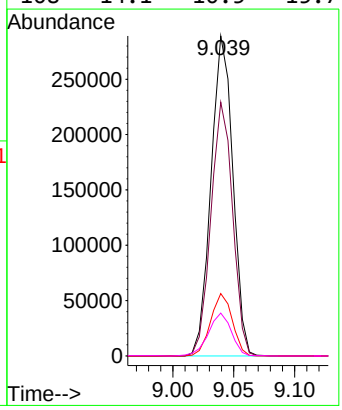


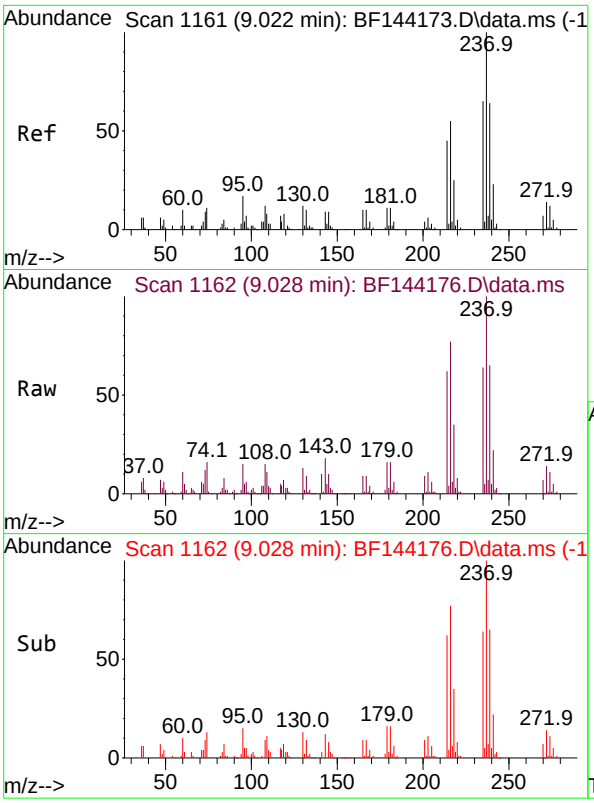


#40
1,2,4,5-Tetrachlorobenzene
Concen: 74.631 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:216 Resp: 361014

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.2
179	19.3	15.0	22.4
108	14.1	10.5	15.7



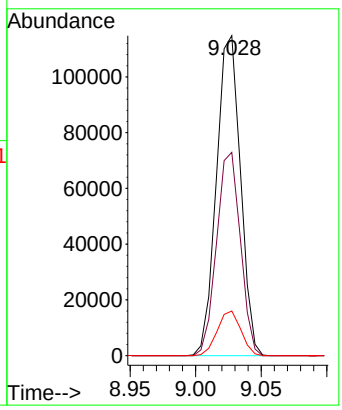


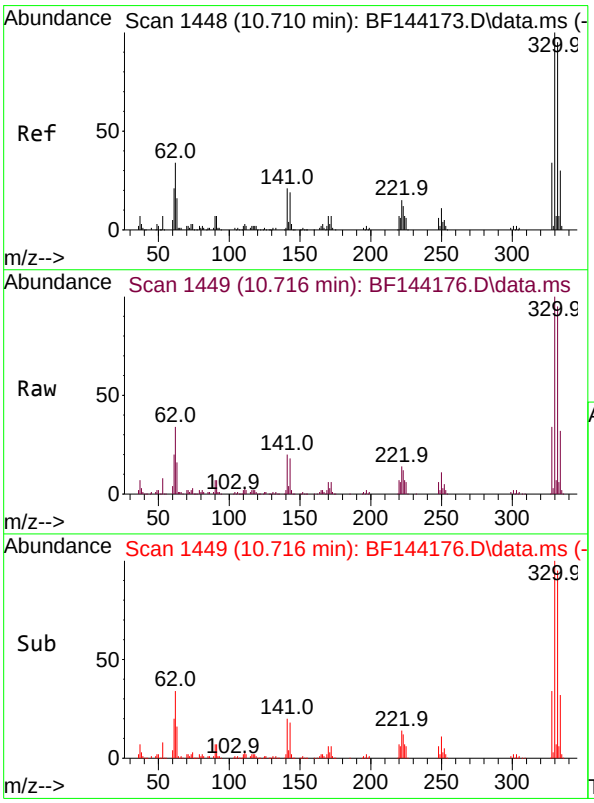
#41
Hexachlorocyclopentadiene
Concen: 78.238 ng
RT: 9.028 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 146524

Ion	Ratio	Lower	Upper
237	100		
235	63.5	45.5	85.5
272	13.9	0.0	33.5

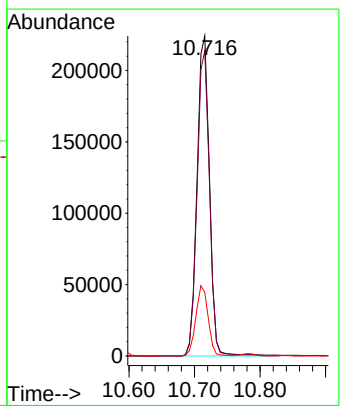


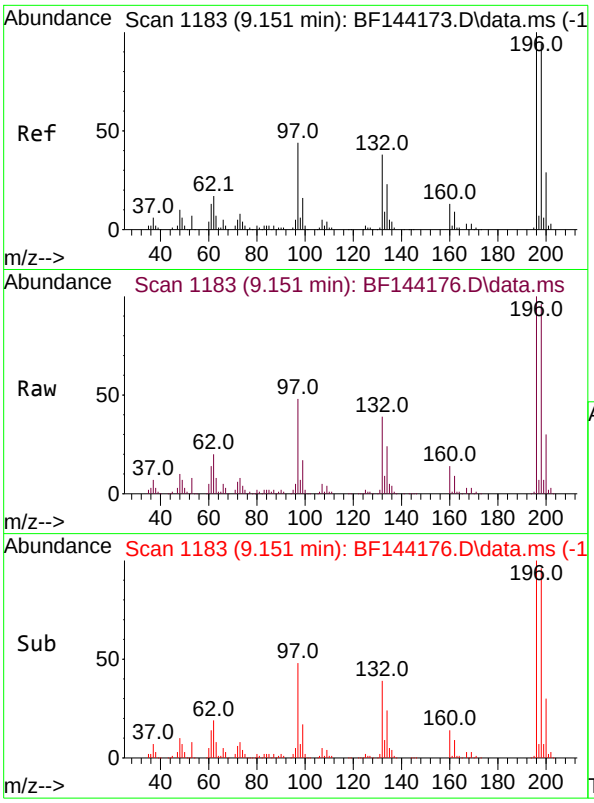


#42
2,4,6-Tribromophenol
Concen: 158.489 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:330 Resp: 293555

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.7	115.1
141	21.7	17.8	26.8



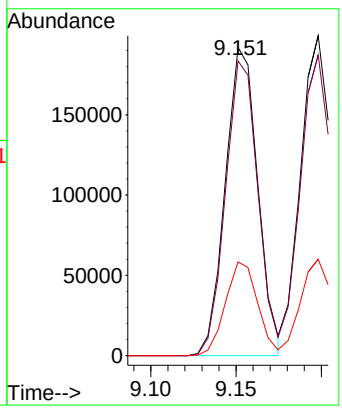


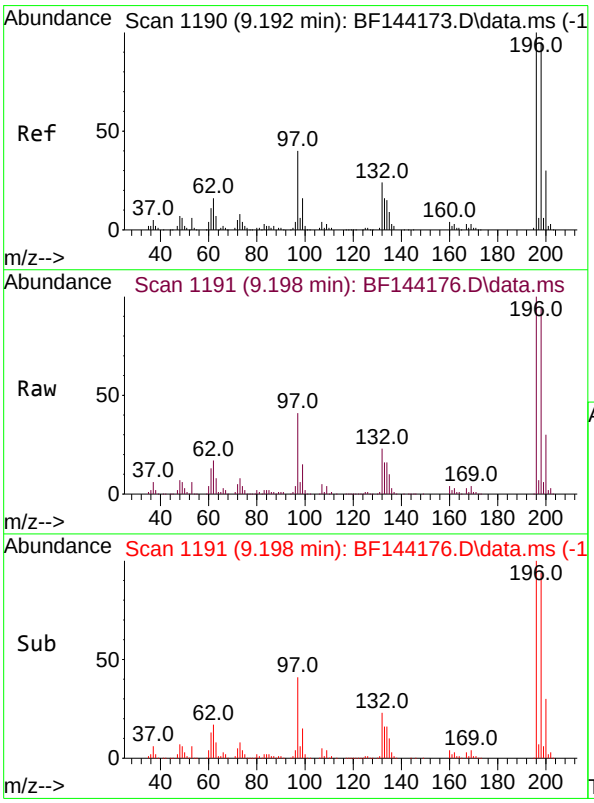
#43
2,4,6-Trichlorophenol
Concen: 77.355 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 254681

Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.3	112.9
200	30.4	23.4	35.2

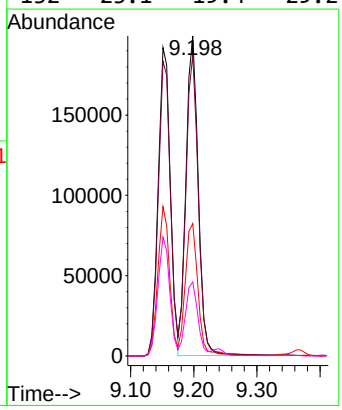


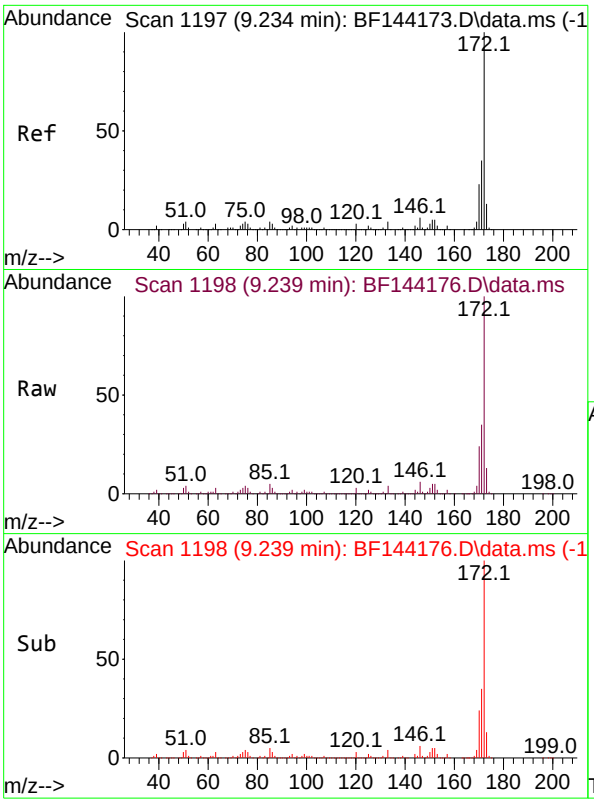


#44
2,4,5-Trichlorophenol
Concen: 75.791 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:196 Resp: 268940

Ion	Ratio	Lower	Upper
196	100		
198	94.0	76.1	114.1
97	41.3	31.9	47.9
132	23.1	19.4	29.2



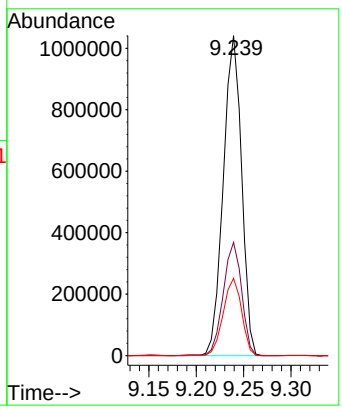


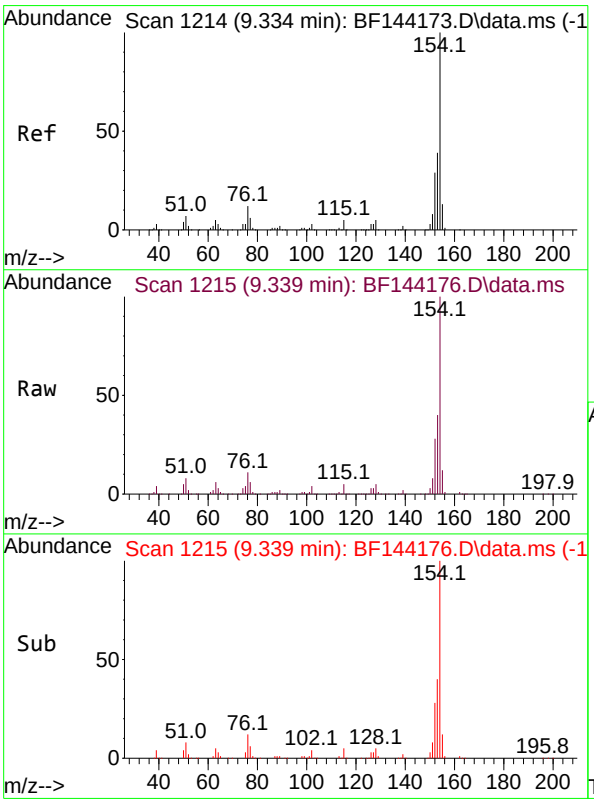
#45
2-Fluorobiphenyl
Concen: 139.809 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 1397211

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	24.1	18.6	28.0

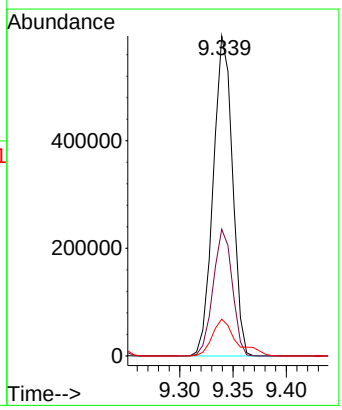


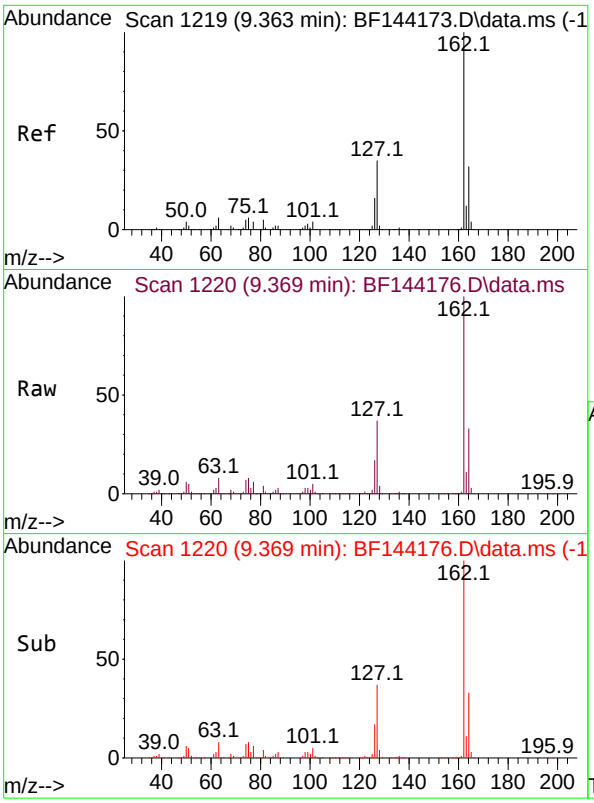


#46
1,1'-Biphenyl
Concen: 72.784 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:154 Resp: 749883

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.2	59.2
76	11.5	0.0	31.8



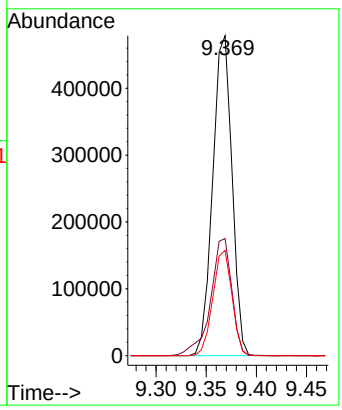


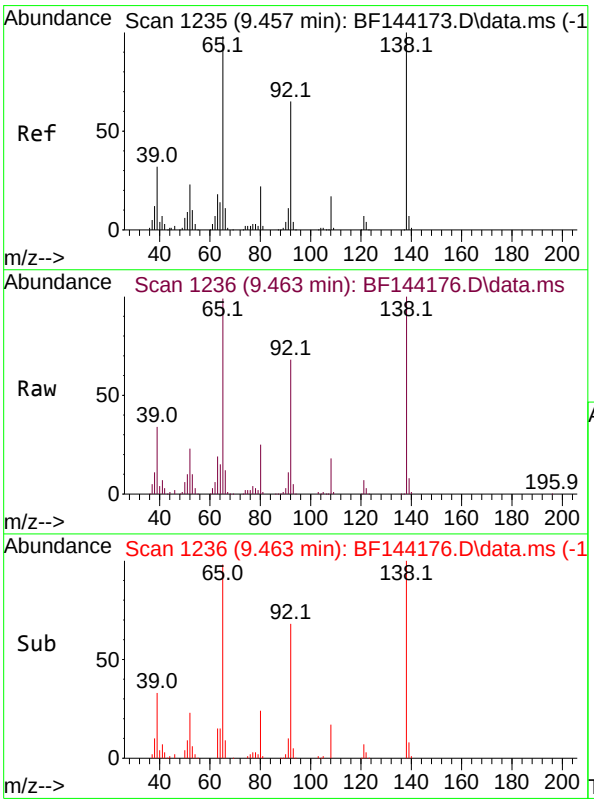
#47
2-Chloronaphthalene
Concen: 72.995 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 641521

Ion	Ratio	Lower	Upper
162	100		
127	36.6	28.8	43.2
164	32.9	25.8	38.8

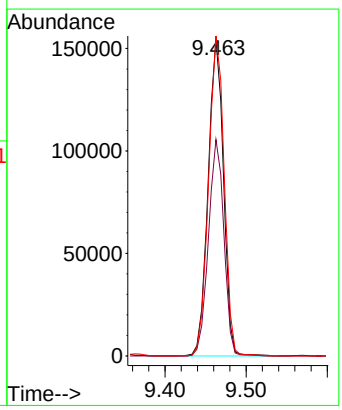


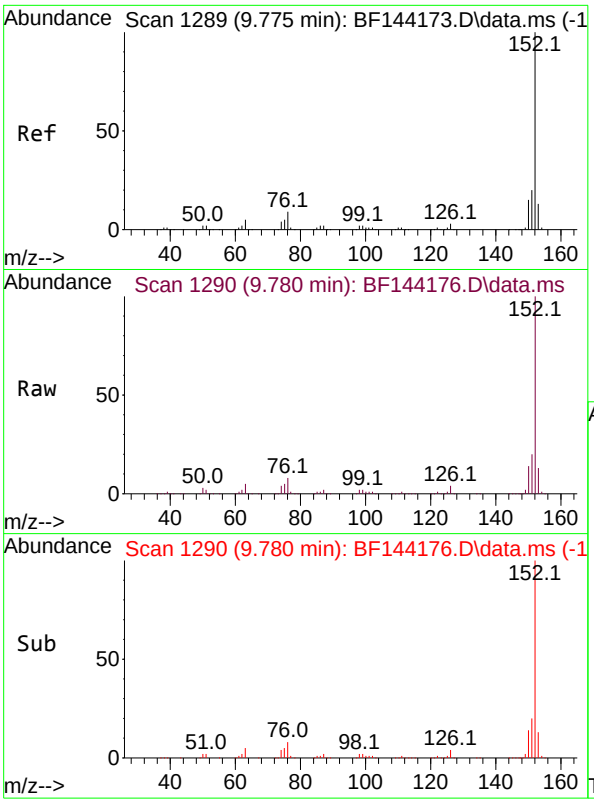


#48
2-Nitroaniline
Concen: 80.348 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 65 Resp: 203746

Ion	Ratio	Lower	Upper
65	100		
92	68.3	53.0	79.6
138	101.1	81.6	122.4



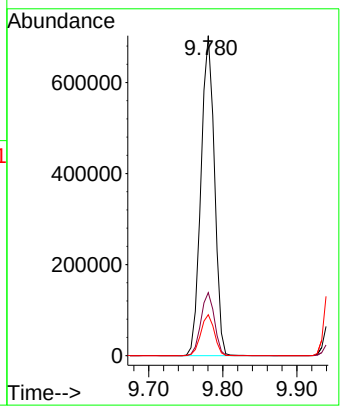


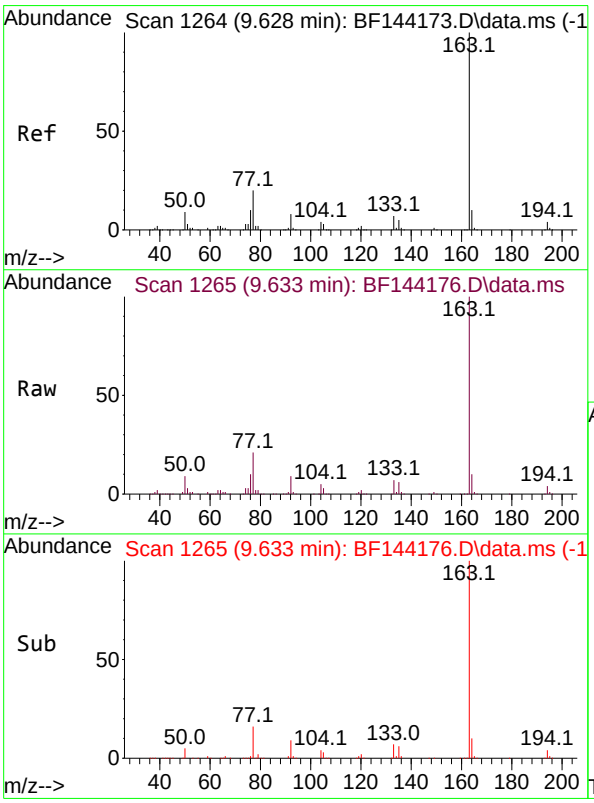
#49
Acenaphthylene
Concen: 74.264 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 889410

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	12.8	10.5	15.7

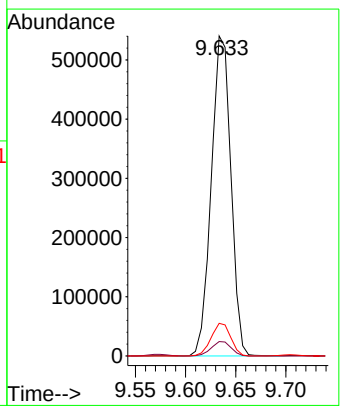


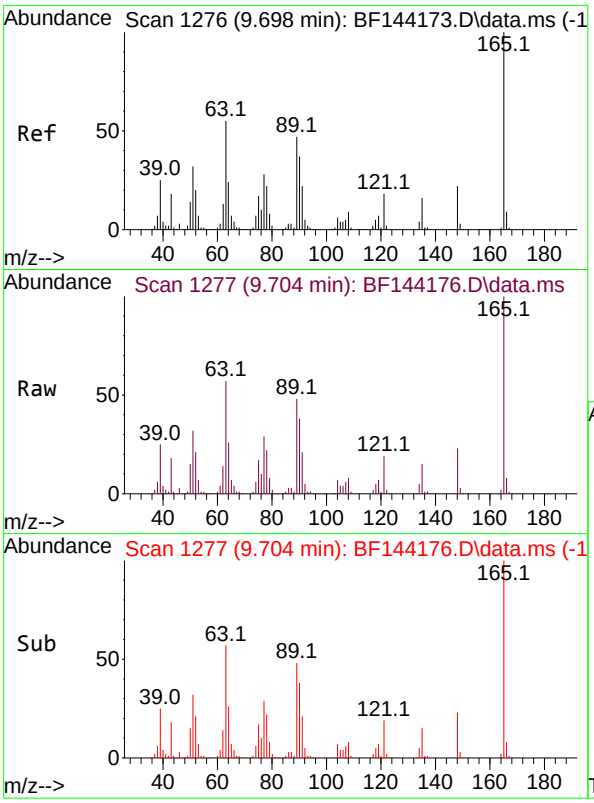


#50
Dimethylphthalate
Concen: 75.318 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:163 Resp: 736477

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.3	4.9
164	10.2	8.1	12.1



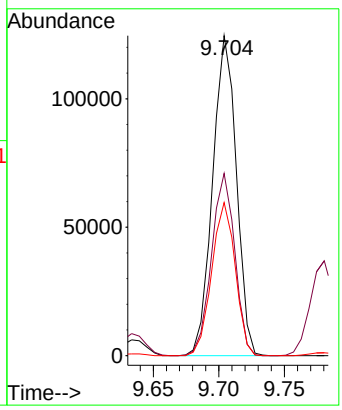


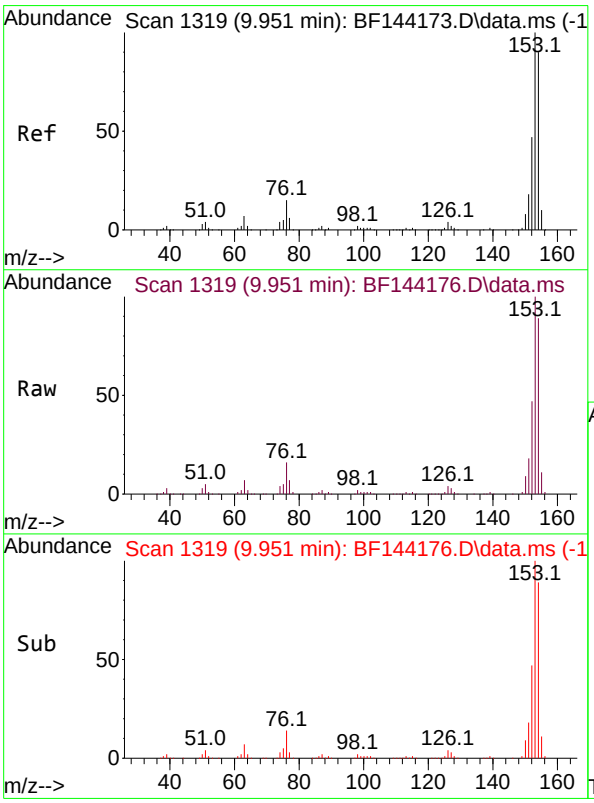
#51
2,6-Dinitrotoluene
Concen: 79.250 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 156870

Ion	Ratio	Lower	Upper
165	100		
63	56.9	43.8	65.8
89	47.8	37.5	56.3

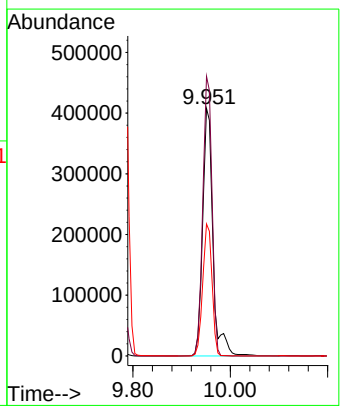


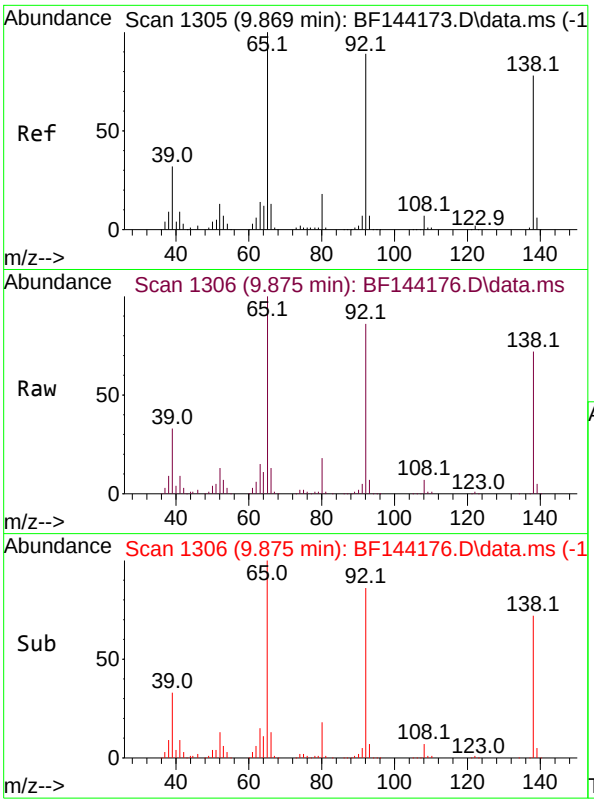


#52
Acenaphthene
Concen: 74.243 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:154 Resp: 594593

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.0	133.4
152	53.3	42.2	63.4



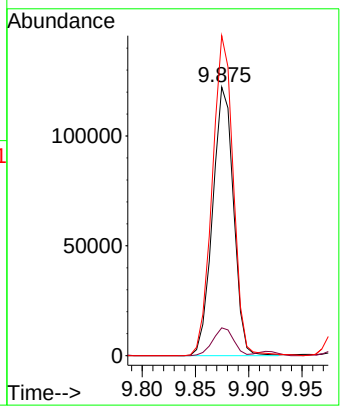


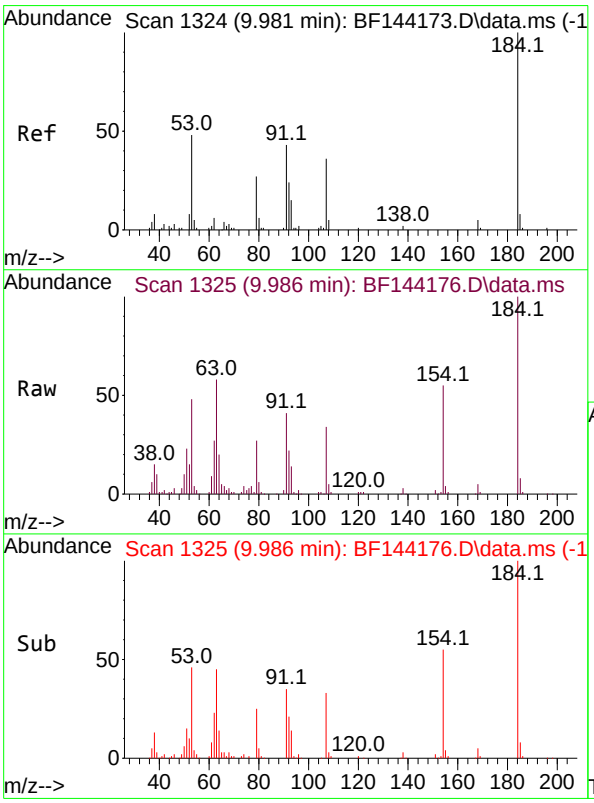
#53
3-Nitroaniline
Concen: 77.230 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 167110

Ion	Ratio	Lower	Upper
138	100		
108	10.3	7.5	11.3
92	119.2	91.8	137.6

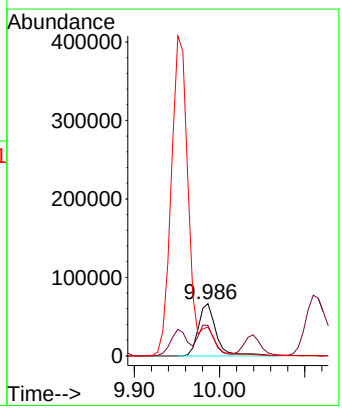


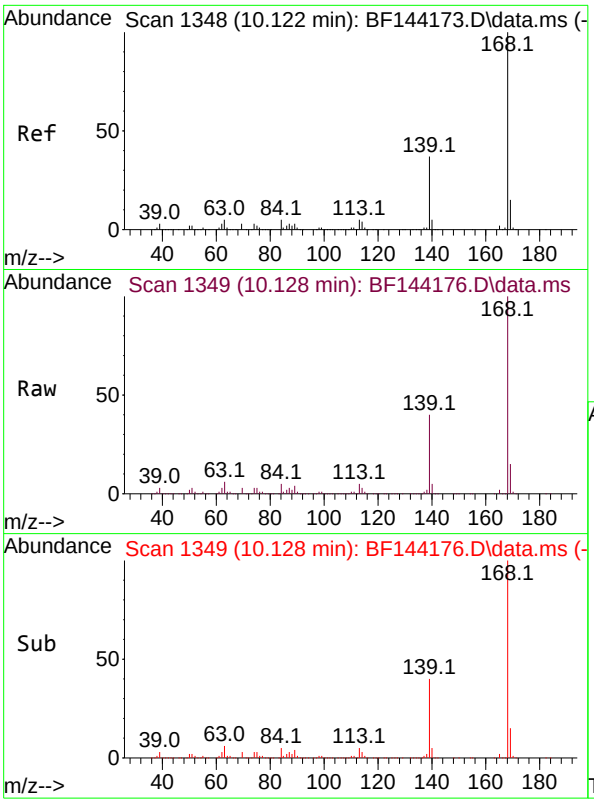


#54
2,4-Dinitrophenol
Concen: 80.924 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:184 Resp: 96727

Ion	Ratio	Lower	Upper
184	100		
63	58.3	44.0	66.0
154	55.4	42.4	63.6



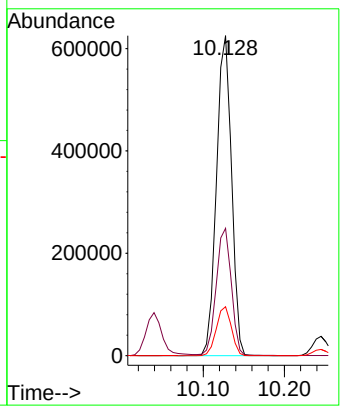


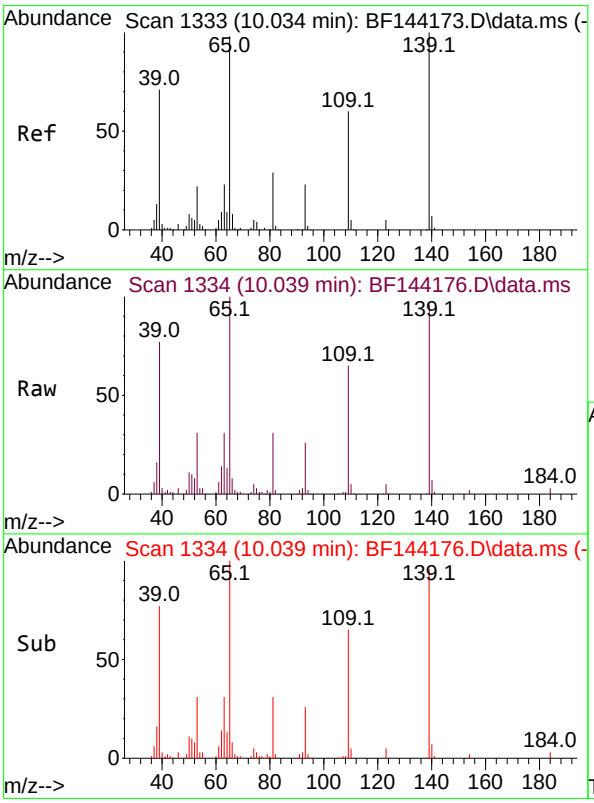
#55
Dibenzofuran
Concen: 71.517 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 802174

Ion	Ratio	Lower	Upper
168	100		
139	39.8	30.2	45.2
169	15.3	12.2	18.4

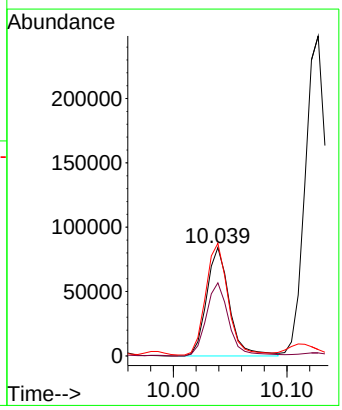


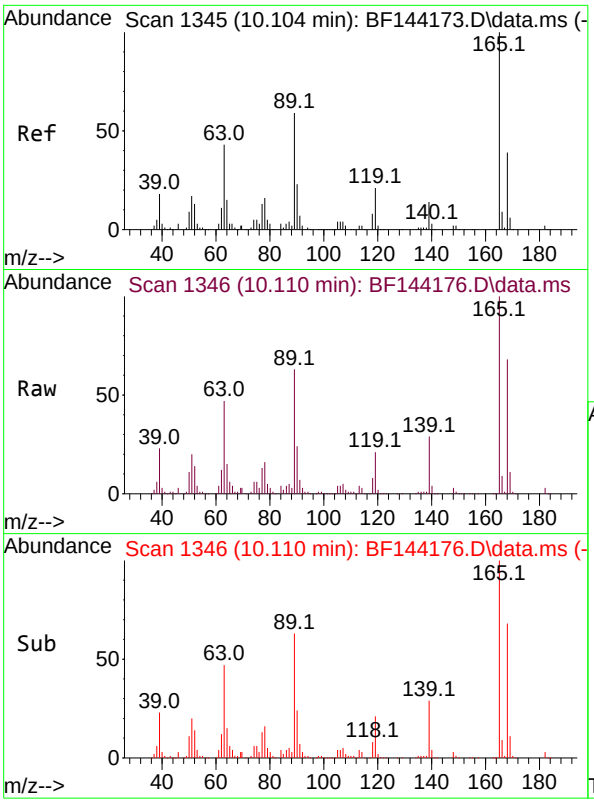


#56
4-Nitrophenol
Concen: 74.782 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:139 Resp: 117050

Ion	Ratio	Lower	Upper
139	100		
109	67.5	39.9	79.9
65	104.1	79.5	119.5



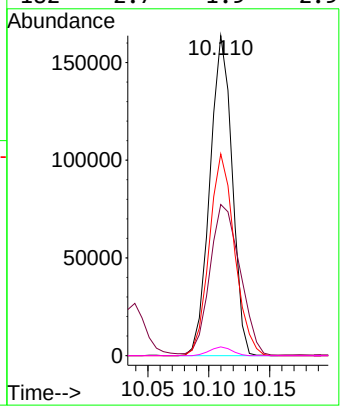


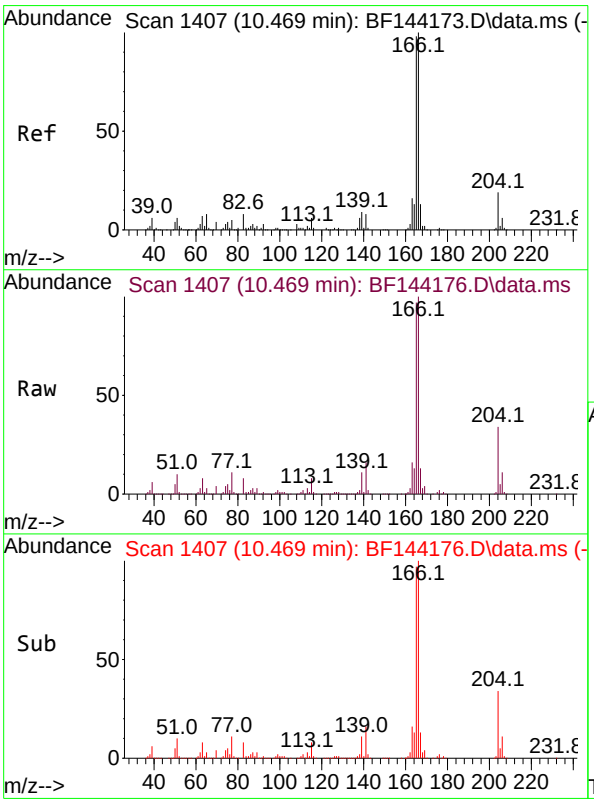
#57
2,4-Dinitrotoluene
Concen: 78.661 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 208441

Ion	Ratio	Lower	Upper
165	100		
63	47.2	35.5	53.3
89	63.0	47.4	71.2
182	2.7	1.9	2.9

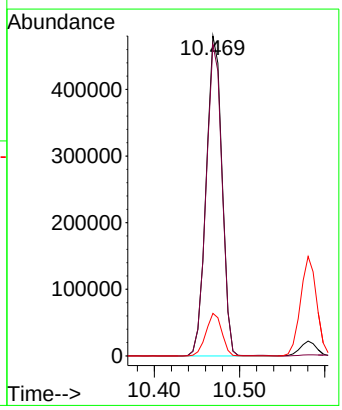


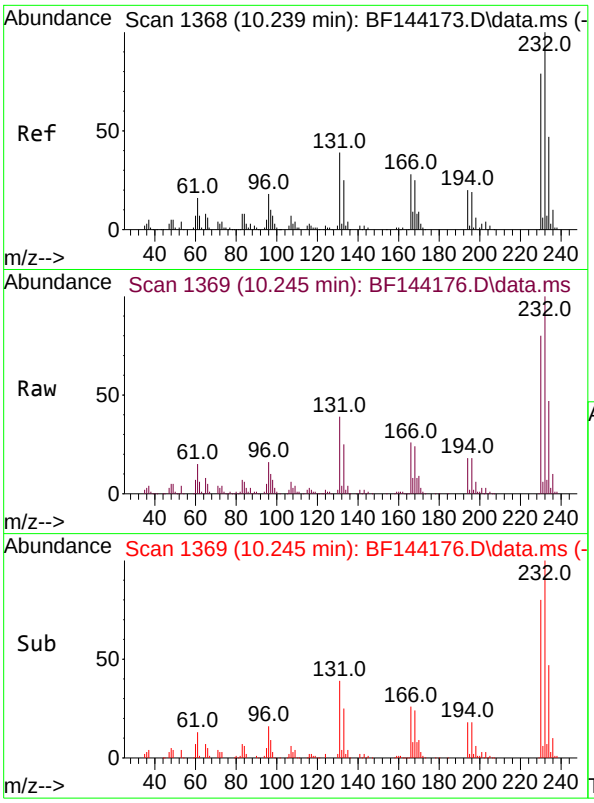


#58
Fluorene
Concen: 72.526 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:166 Resp: 618508

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.6	118.0
167	13.3	10.4	15.6



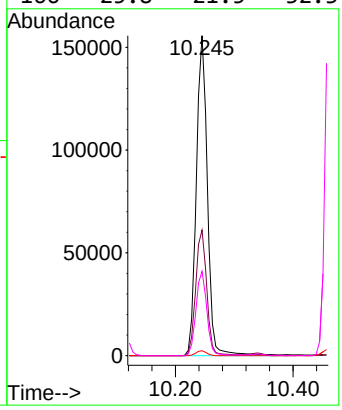


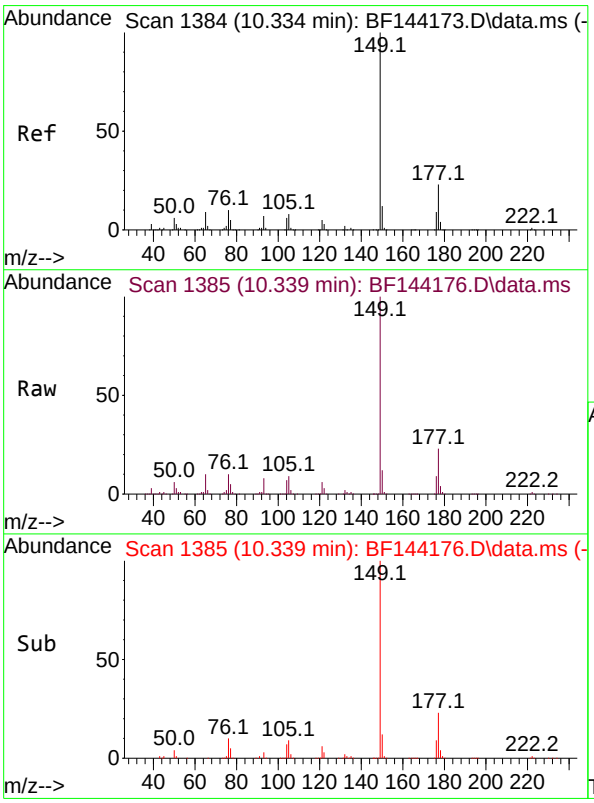
#59
2,3,4,6-Tetrachlorophenol
Concen: 81.067 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 203523

Ion	Ratio	Lower	Upper
232	100		
131	39.0	30.3	45.5
130	1.4	1.2	1.8
166	25.8	21.5	32.3

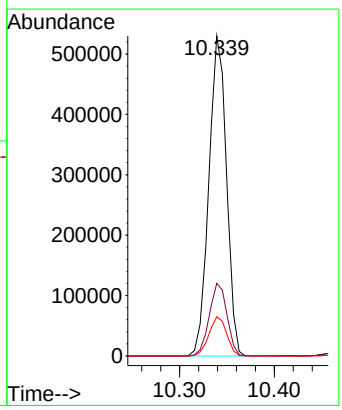


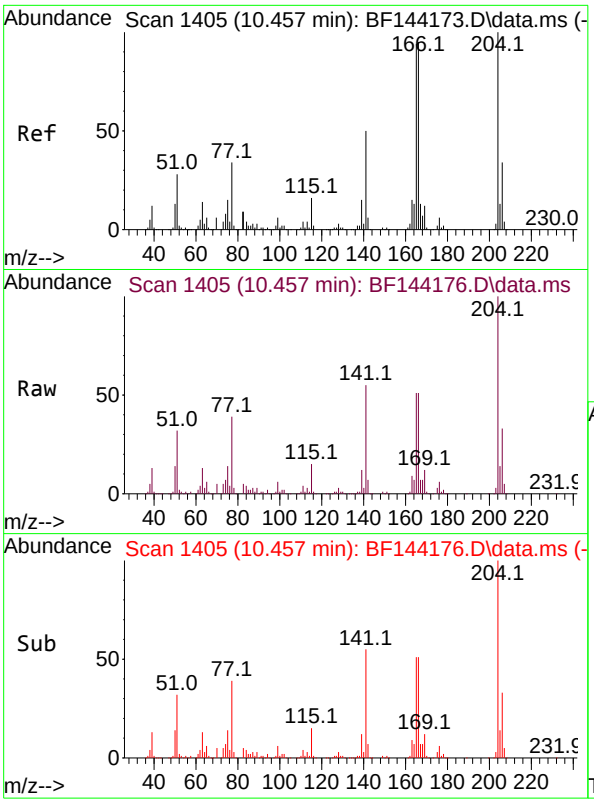


#60
Diethylphthalate
Concen: 76.182 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:149 Resp: 686705

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.3	27.5
150	12.2	9.8	14.6



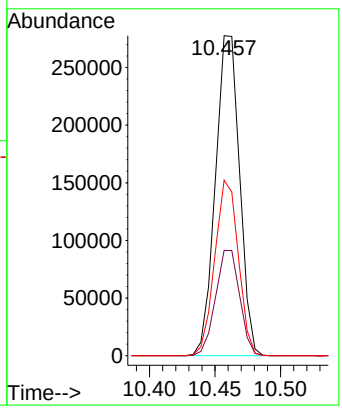


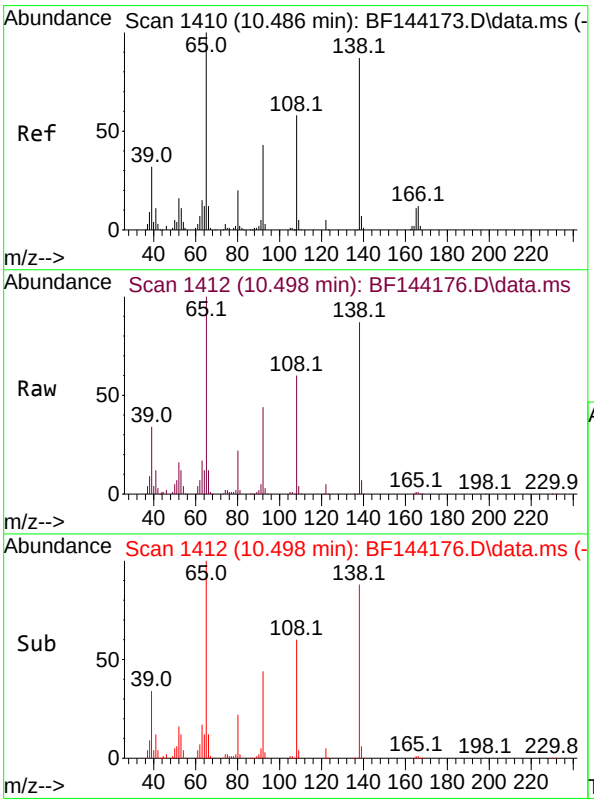
#61
4-Chlorophenyl-phenylether
Concen: 73.492 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 357010

Ion	Ratio	Lower	Upper
204	100		
206	32.9	27.4	41.2
141	54.8	40.0	60.0

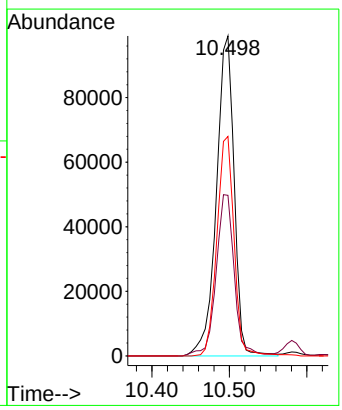


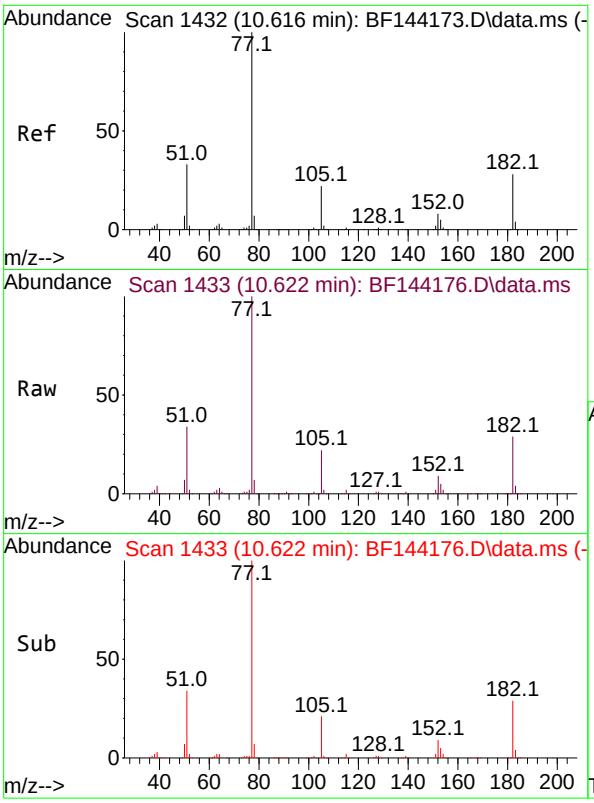


#62
4-Nitroaniline
Concen: 76.889 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:138 Resp: 158441

Ion	Ratio	Lower	Upper
138	100		
92	50.2	29.4	69.4
108	68.6	46.4	86.4



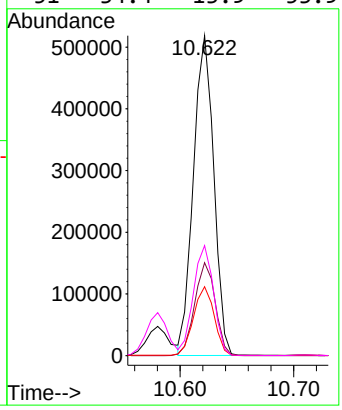


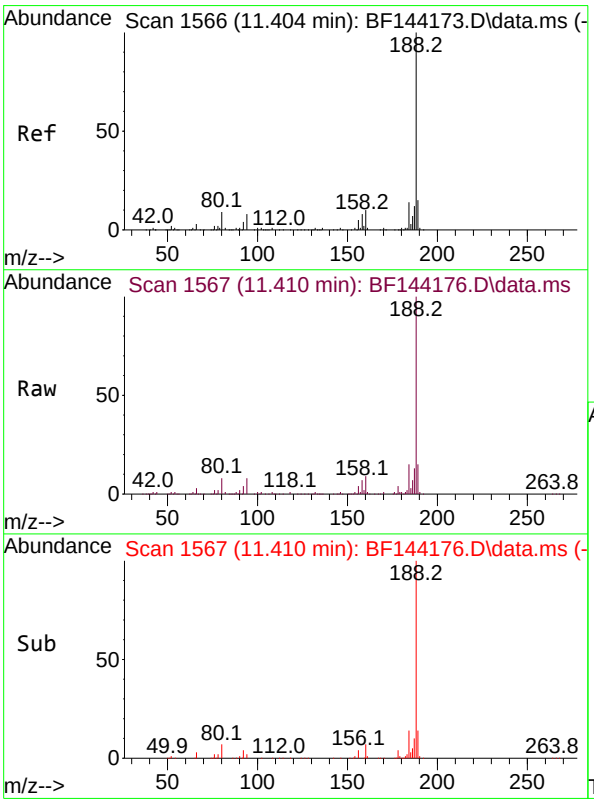
#63
Azobenzene
Concen: 77.117 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 646943

Ion	Ratio	Lower	Upper
77	100		
182	29.0	8.1	48.1
105	21.6	2.0	42.0
51	34.4	13.9	53.9

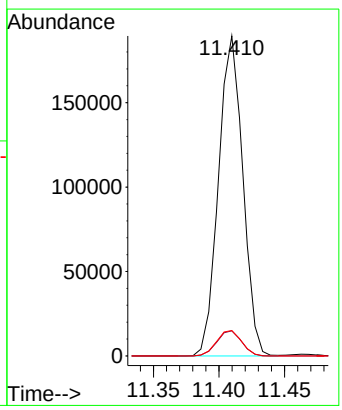


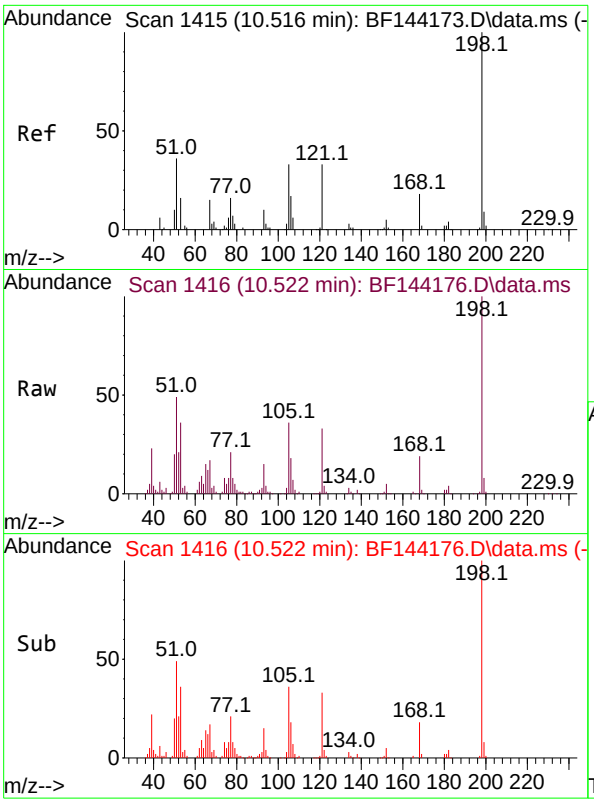


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:188 Resp: 244733

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.2	9.2
80	7.9	6.9	10.3



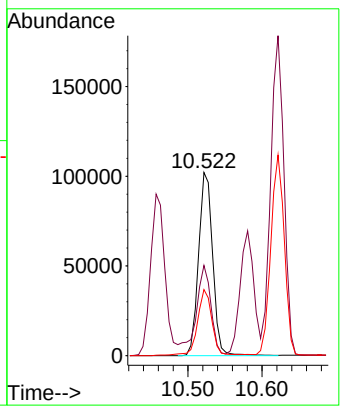


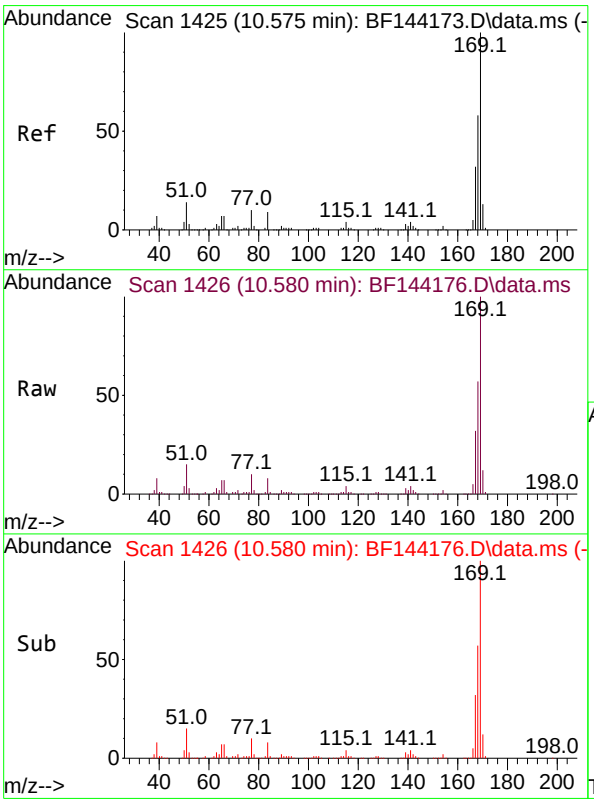
#65
4,6-Dinitro-2-methylphenol
Concen: 81.136 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 134894

Ion	Ratio	Lower	Upper
198	100		
51	49.2	25.6	65.6
105	36.0	14.6	54.6

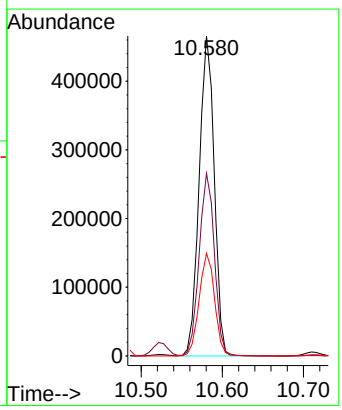


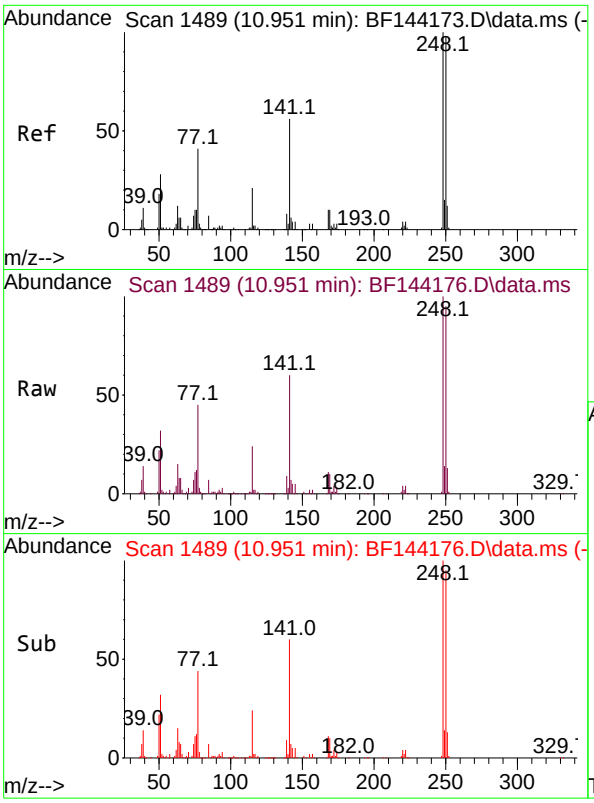


#66
n-Nitrosodiphenylamine
Concen: 76.327 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:169 Resp: 600791

Ion	Ratio	Lower	Upper
169	100		
168	57.0	46.2	69.2
167	32.1	25.7	38.5



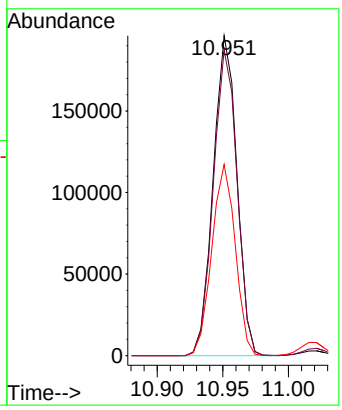


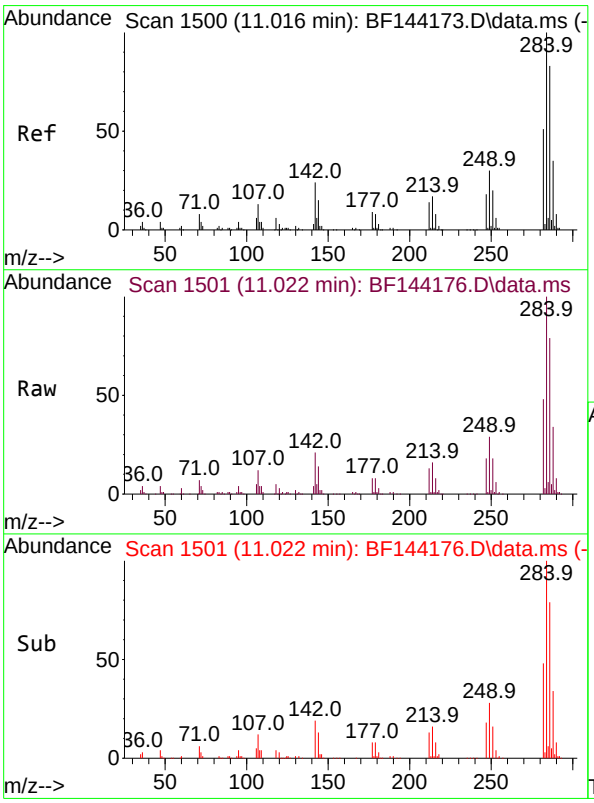
#67
4-Bromophenyl-phenylether
Concen: 78.826 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 246236

Ion	Ratio	Lower	Upper
248	100		
250	95.5	78.4	117.6
141	59.8	45.1	67.7

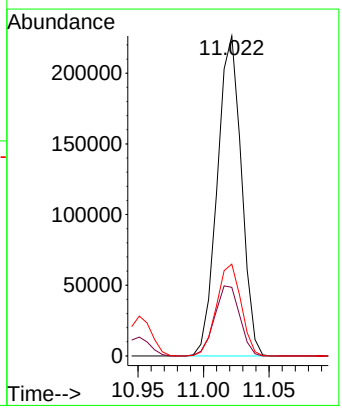


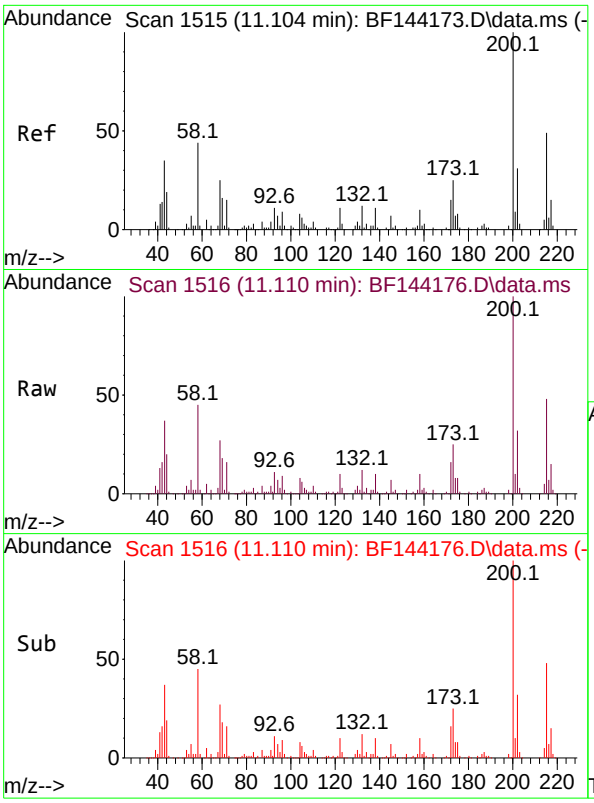


#68
Hexachlorobenzene
Concen: 78.769 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:284 Resp: 289823

Ion	Ratio	Lower	Upper
284	100		
142	21.4	19.2	28.8
249	28.7	23.8	35.8



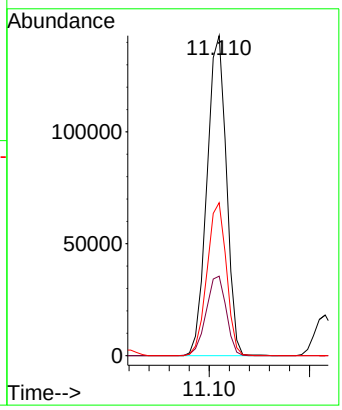


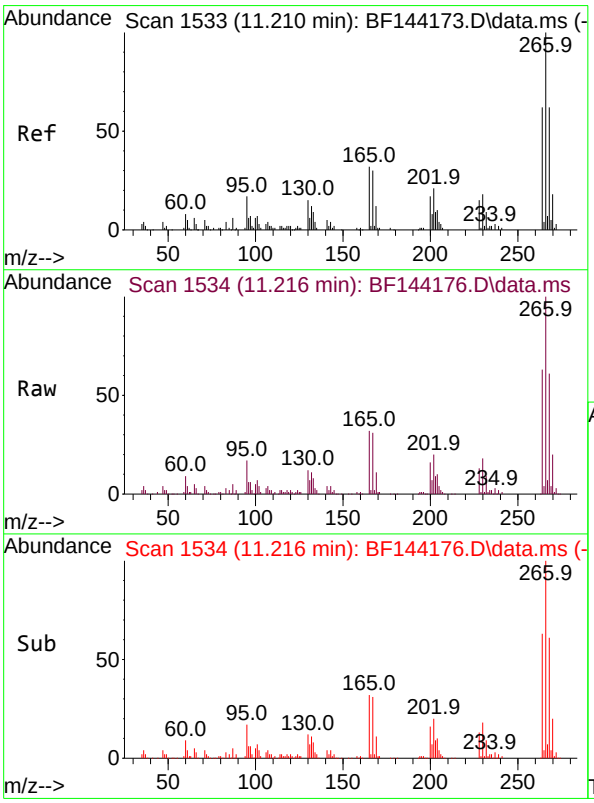
#69
Atrazine
Concen: 76.645 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 191862

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.0	45.0
215	47.8	28.7	68.7

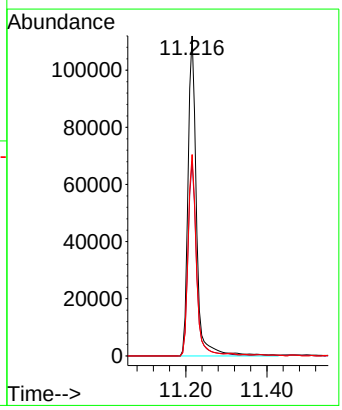


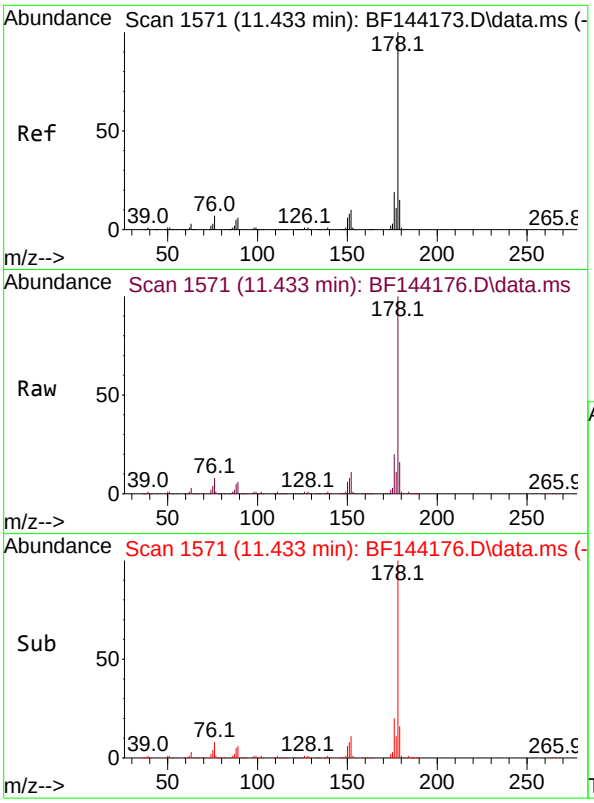


#70
Pentachlorophenol
Concen: 88.373 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:266 Resp: 161918

Ion	Ratio	Lower	Upper
266	100		
268	60.8	49.5	74.3
264	63.0	49.4	74.2



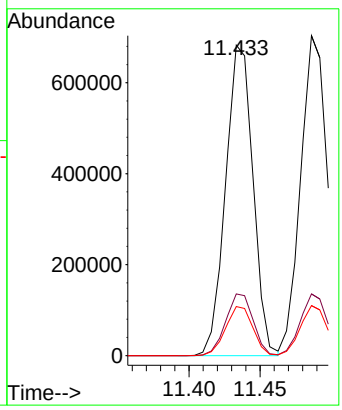


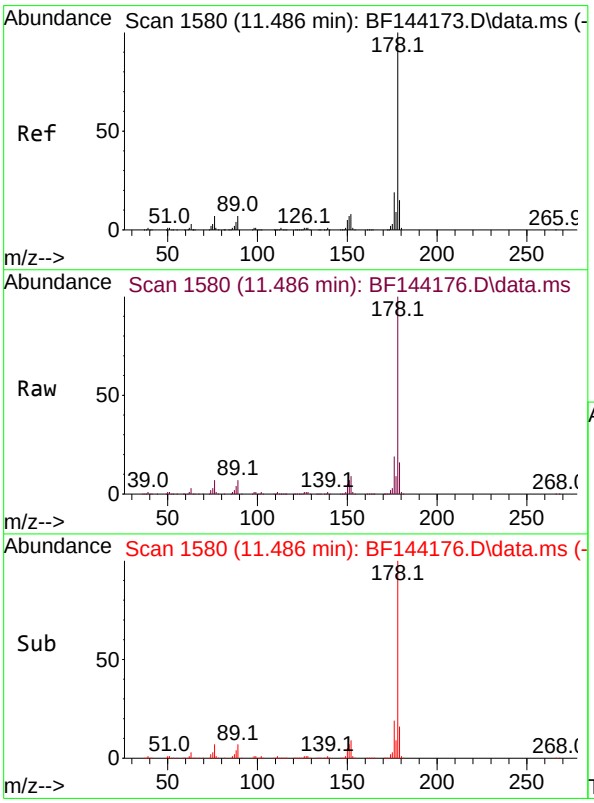
#71
Phenanthrene
Concen: 75.238 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 916773

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.8	12.2	18.4

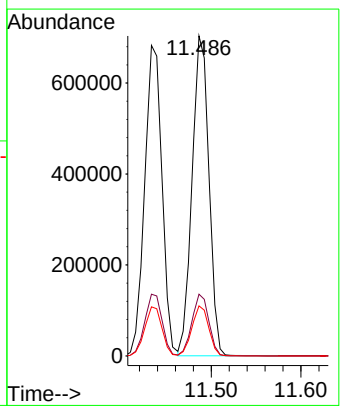


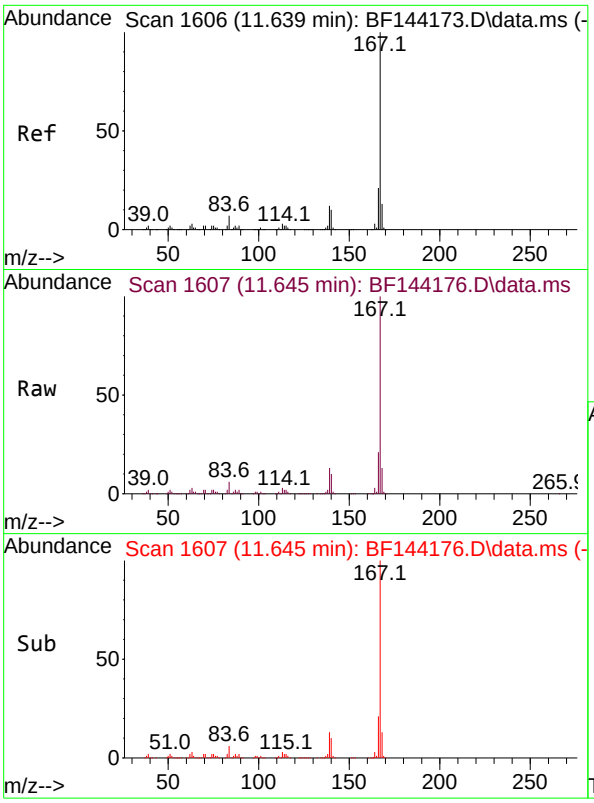


#72
Anthracene
Concen: 73.934 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:178 Resp: 916037

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.0	18.0



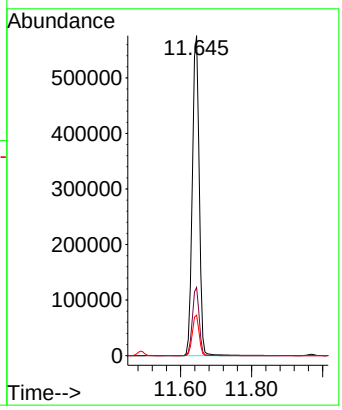


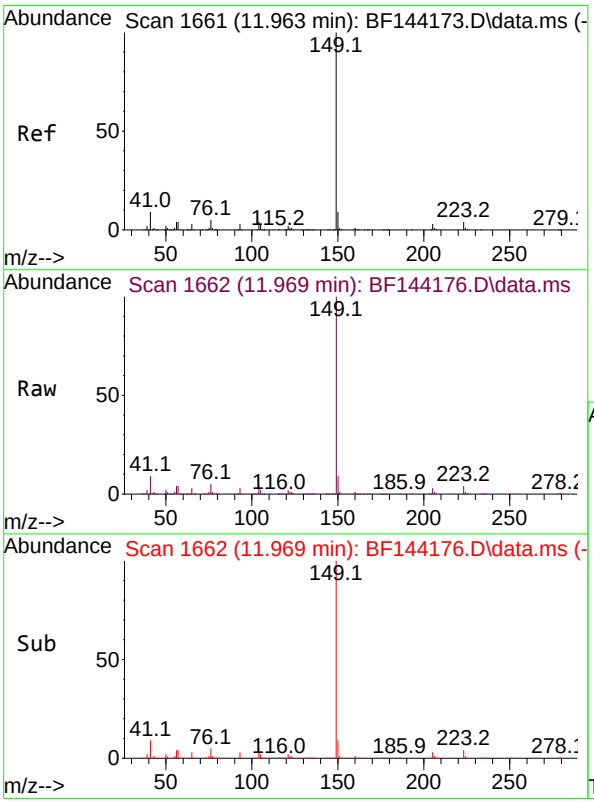
#73
Carbazole
Concen: 73.816 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 777702

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.6	9.9	14.9

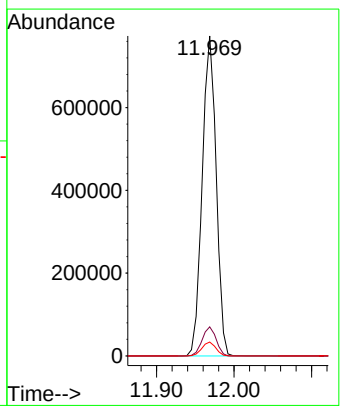


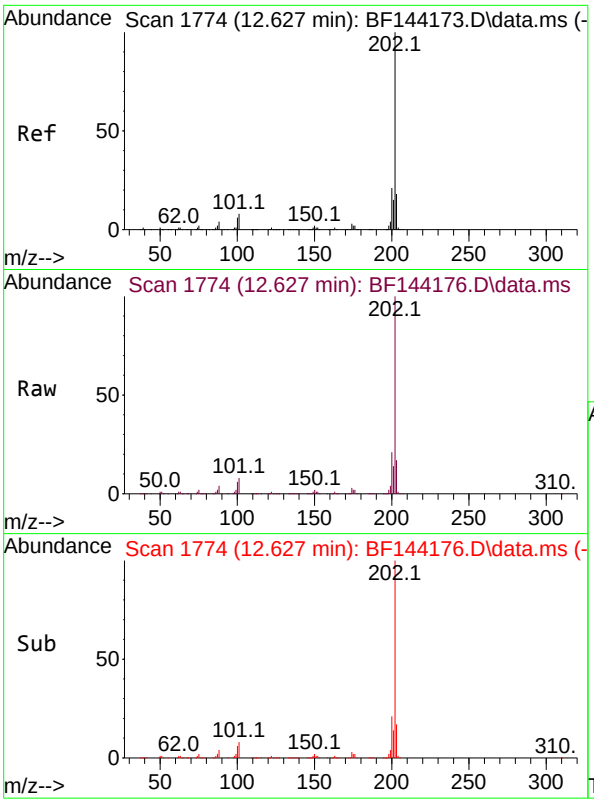


#74
Di-n-butylphthalate
Concen: 75.822 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:149 Resp: 965695

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.3	3.4	5.2



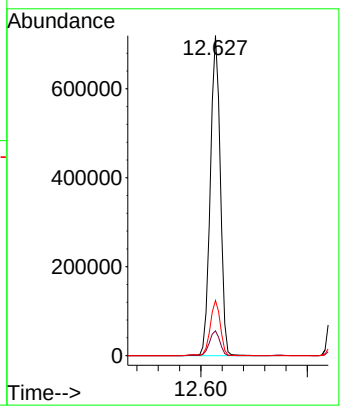


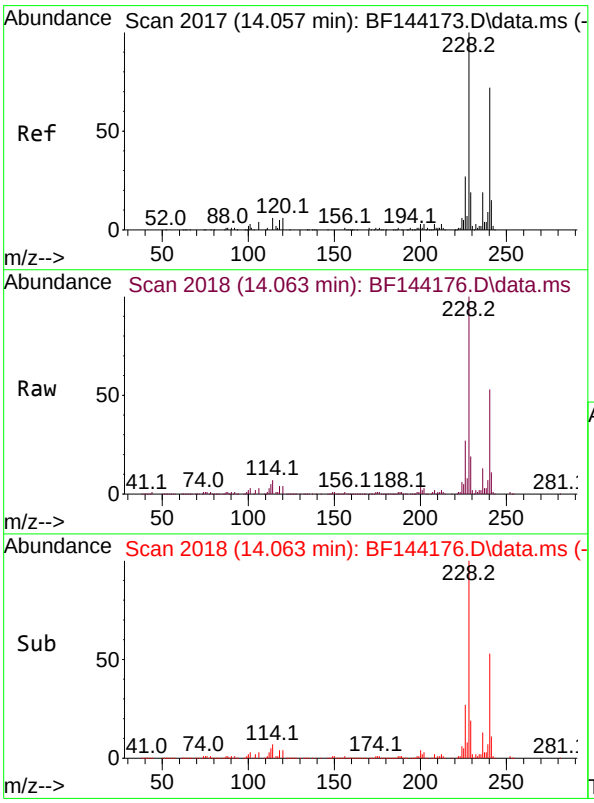
#75
Fluoranthene
Concen: 74.476 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 937436

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	27.9
203	17.2	0.0	37.5

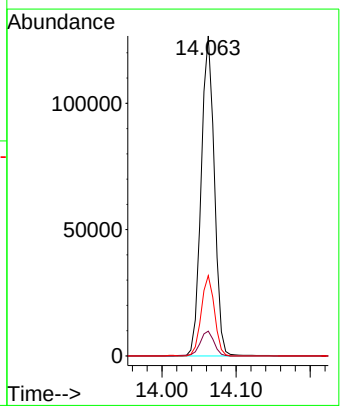


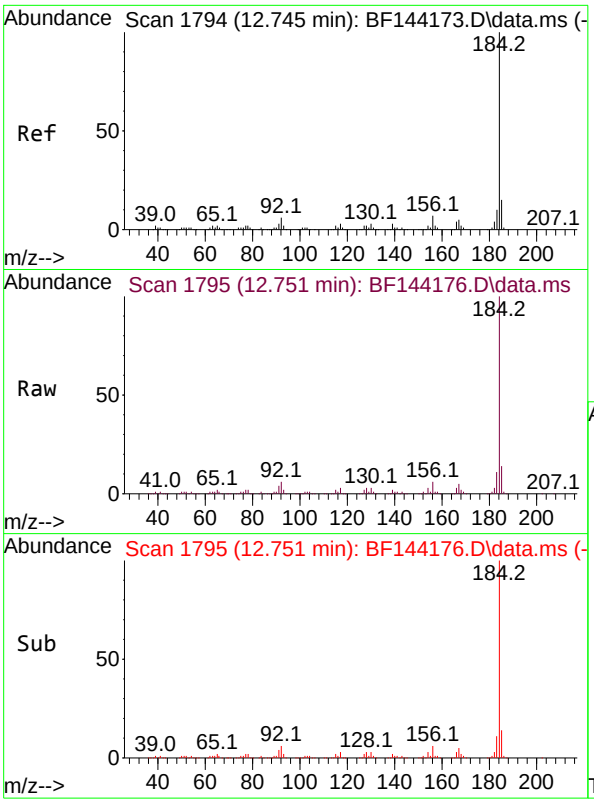


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:240 Resp: 156809

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.6	10.0
236	25.1	21.4	32.2



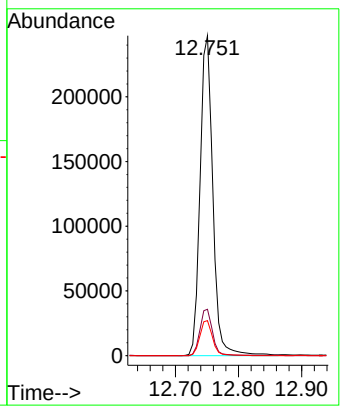


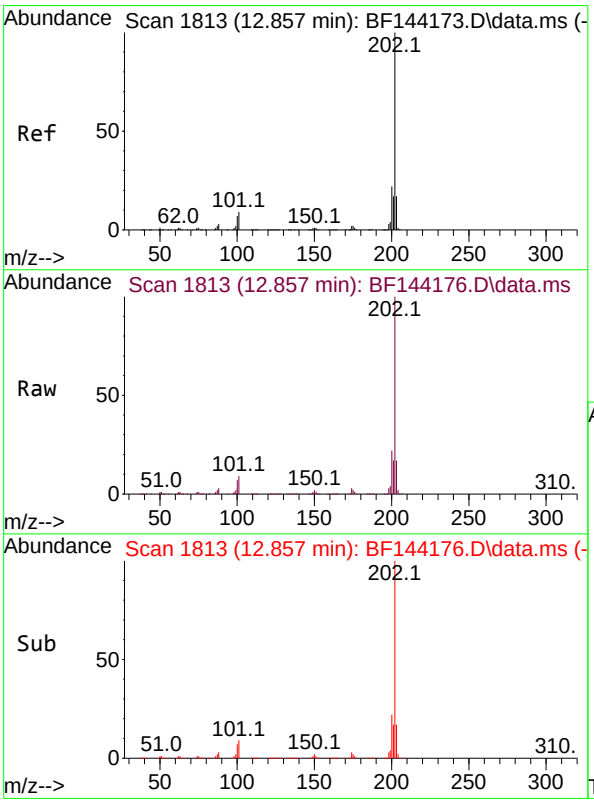
#77
Benzidine
Concen: 74.828 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 347077

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.7	17.5
183	10.9	8.3	12.5

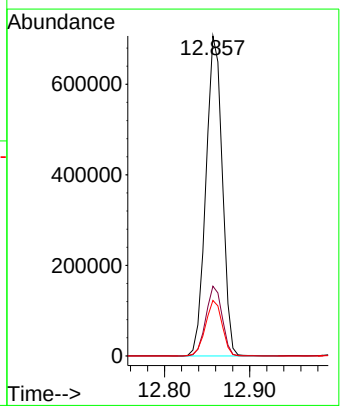


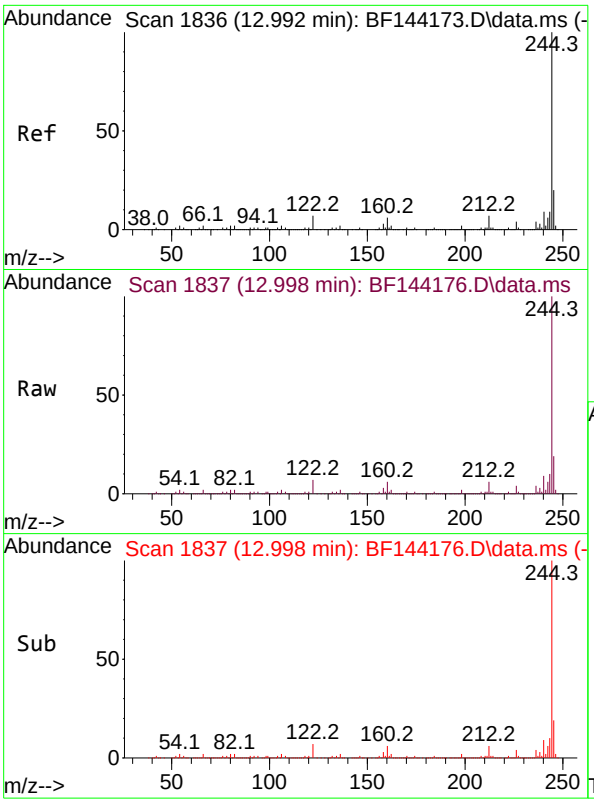


#78
Pyrene
Concen: 74.600 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:202 Resp: 943190

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.3	13.7	20.5



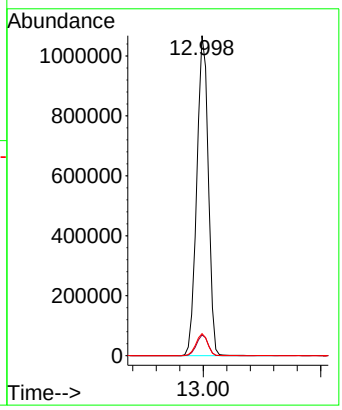


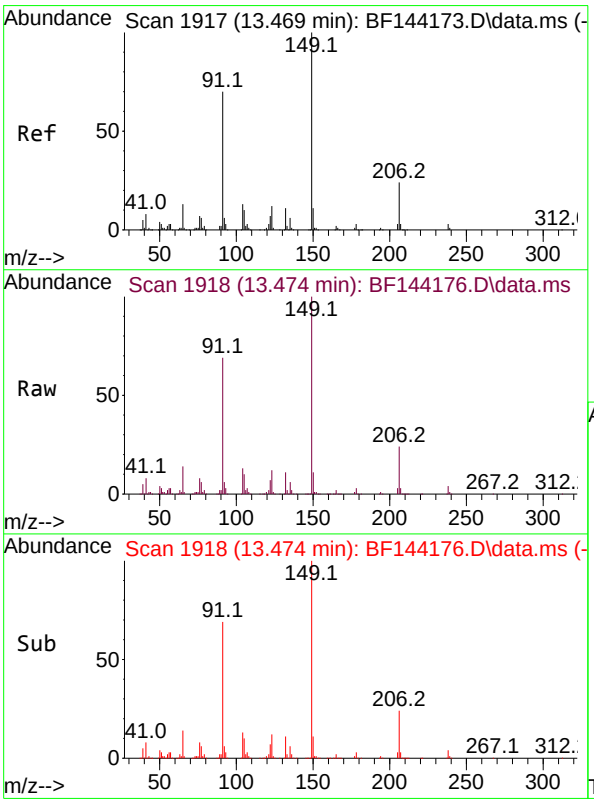
#79
Terphenyl-d14
Concen: 146.810 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1449323

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	6.9	5.6	8.4

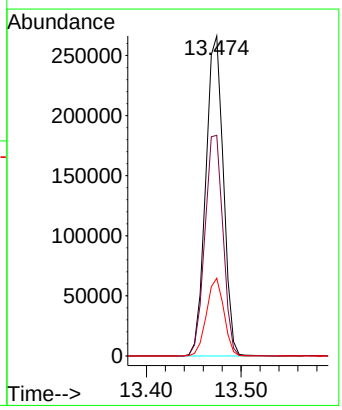


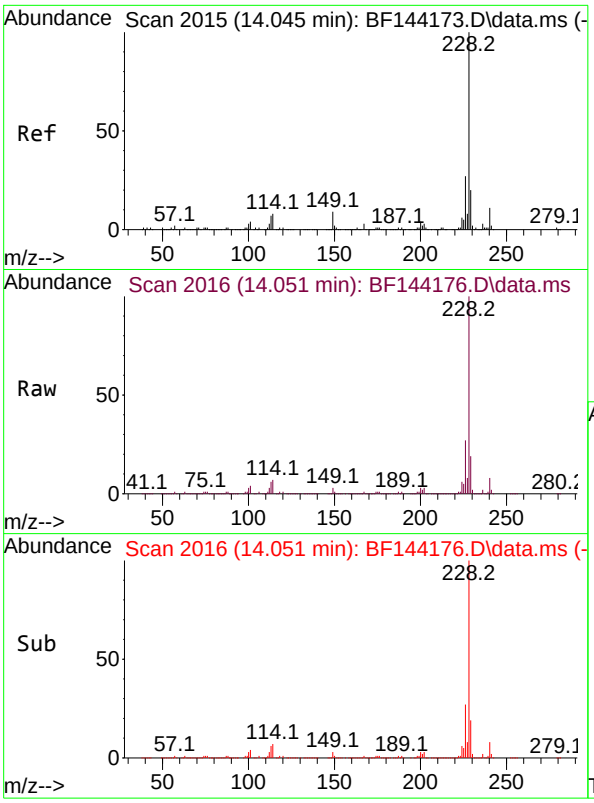


#80
Butylbenzylphthalate
Concen: 78.633 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:149 Resp: 344575

Ion	Ratio	Lower	Upper
149	100		
91	68.9	56.1	84.1
206	24.3	18.8	28.2



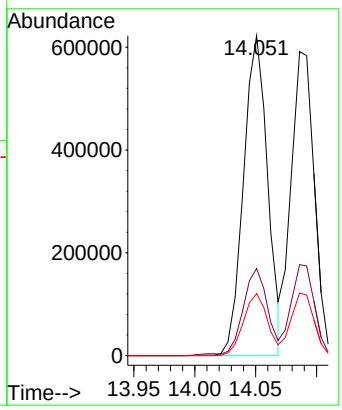


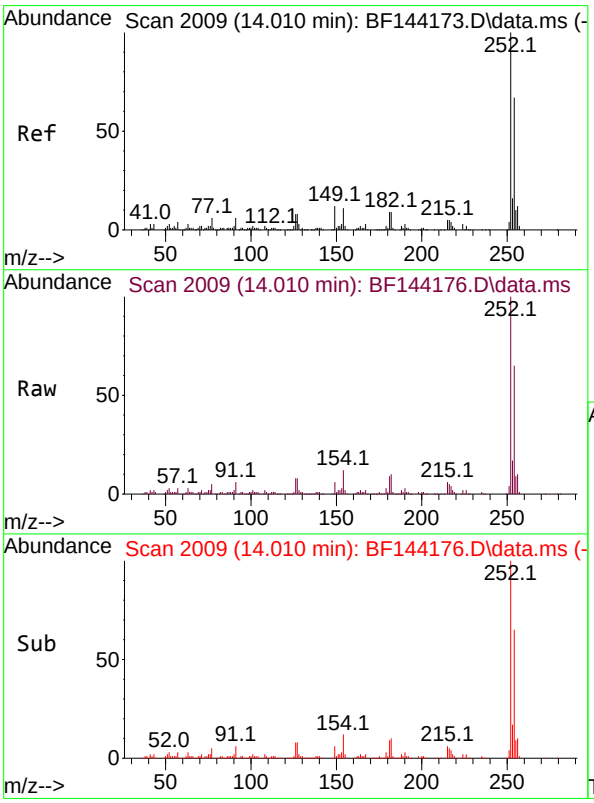
#81
Benzo(a)anthracene
Concen: 78.818 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 856602

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.4	15.8	23.6

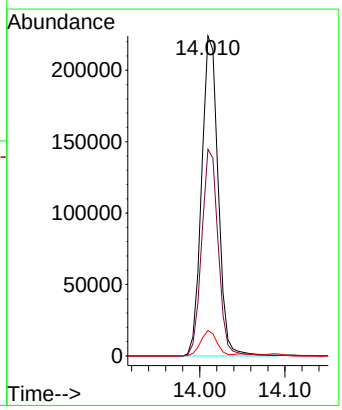


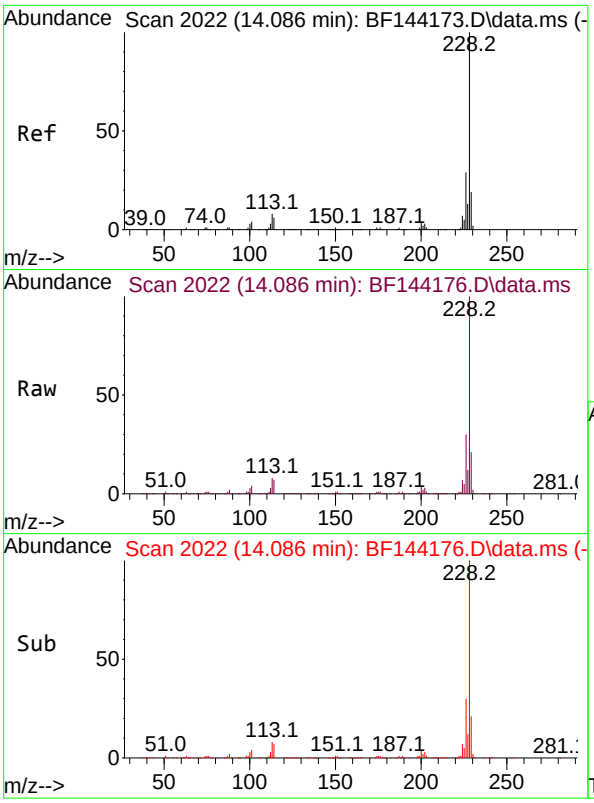


#82
3,3'-Dichlorobenzidine
Concen: 81.046 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:252 Resp: 301919

Ion	Ratio	Lower	Upper
252	100		
254	64.5	53.5	80.3
126	7.9	6.4	9.6



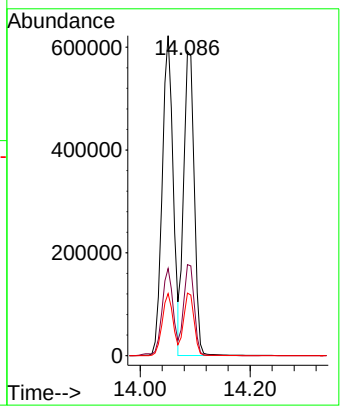


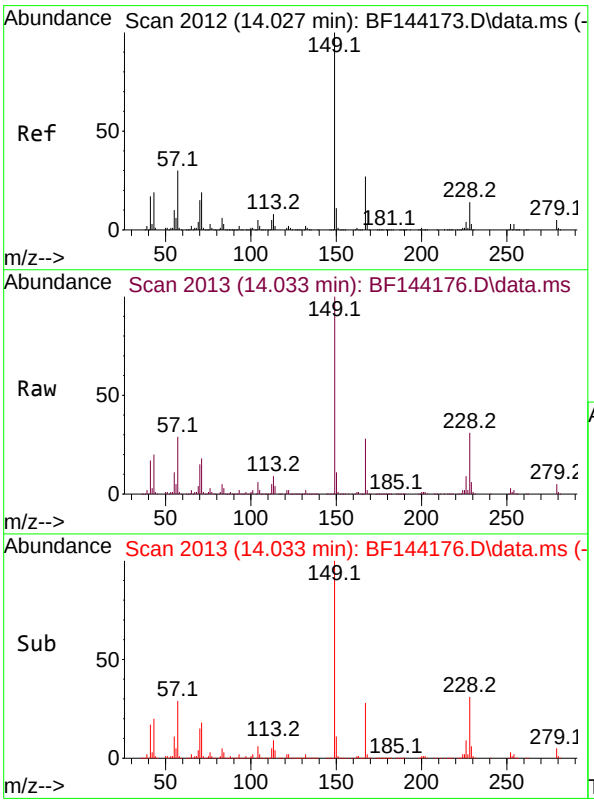
#83
Chrysene
Concen: 78.982 ng
RT: 14.086 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 792397

Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.9	34.3
229	20.5	15.0	22.6

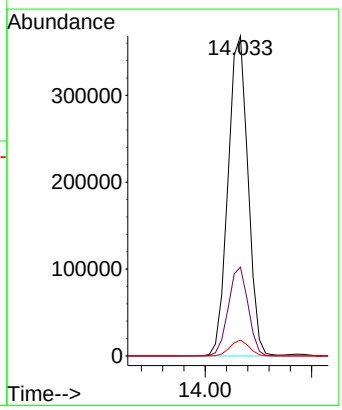


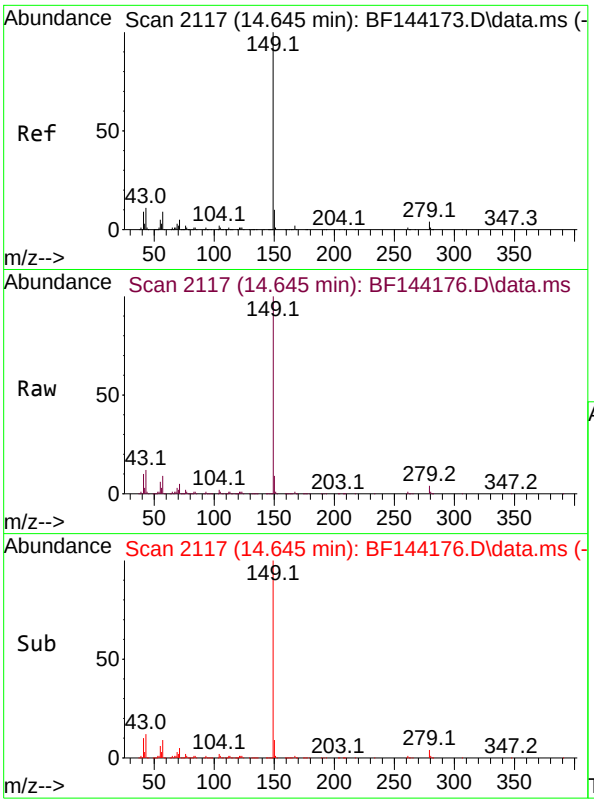


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.898 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:149 Resp: 479285

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.8	32.8
279	4.9	3.7	5.5



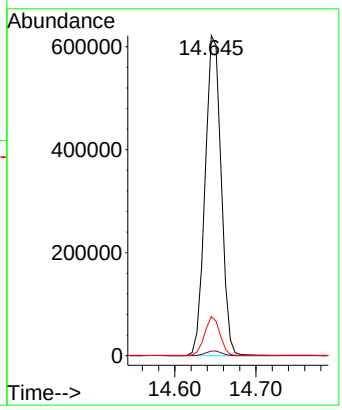


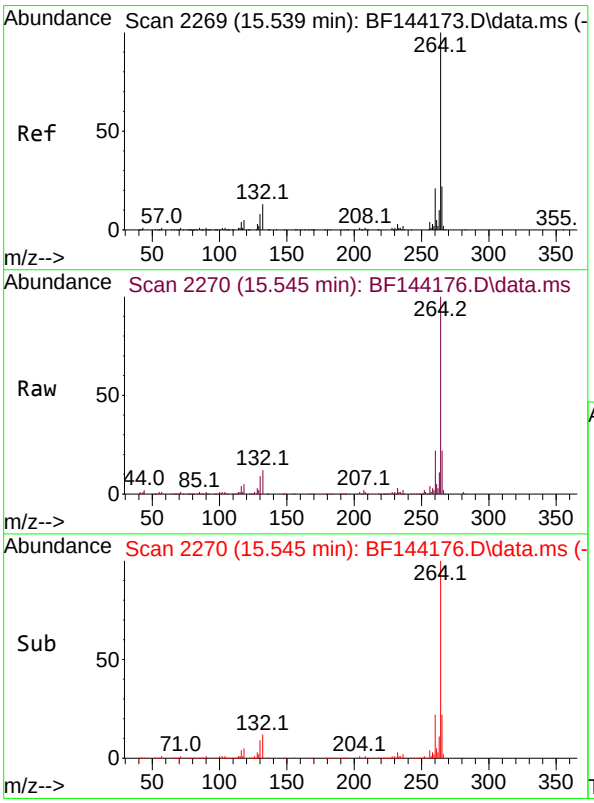
#85
Di-n-octyl phthalate
Concen: 82.657 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 855486

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.5	9.0	13.4

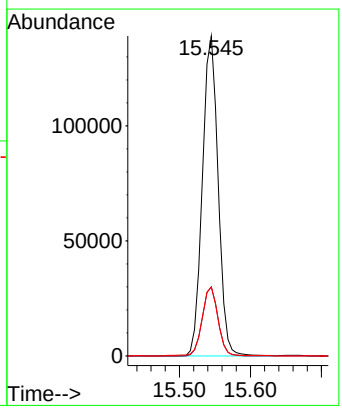


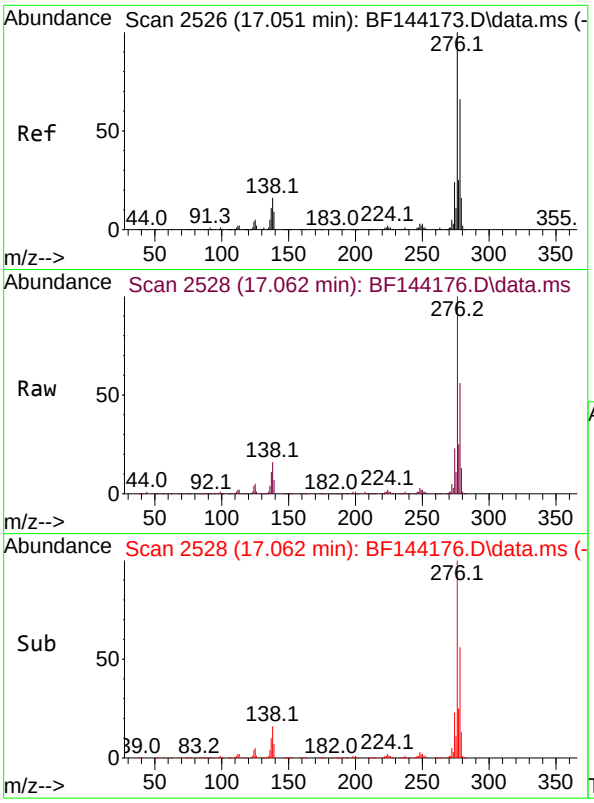


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:264 Resp: 213275

Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.1	25.7
265	21.5	17.4	26.0



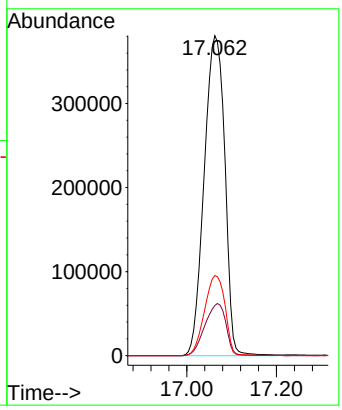


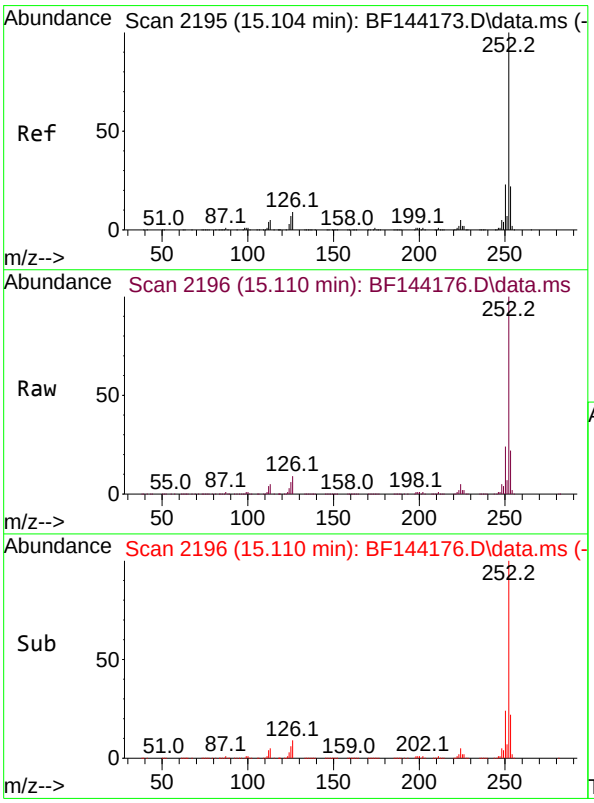
#87
Indeno(1,2,3-cd)pyrene
Concen: 79.403 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1215637

Ion	Ratio	Lower	Upper
276	100		
138	16.6	13.9	20.9
277	24.9	19.8	29.6

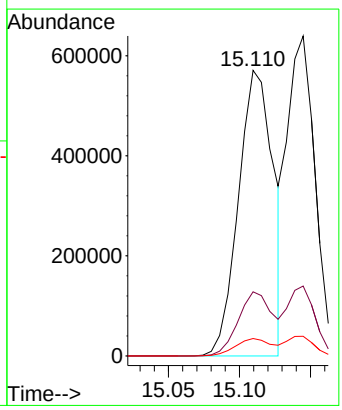


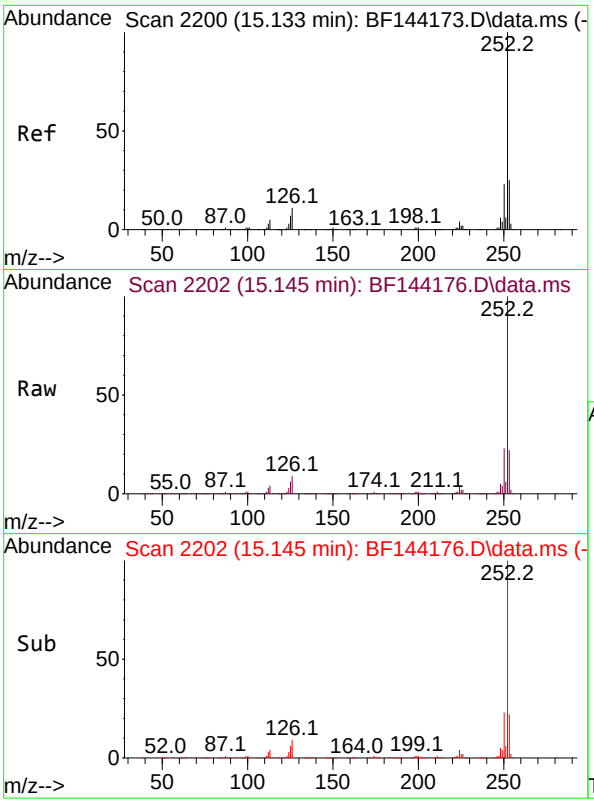


#88
Benzo(b)fluoranthene
Concen: 80.454 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:252 Resp: 975518

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	6.1	5.3	7.9



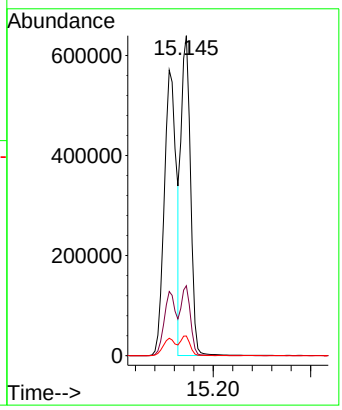


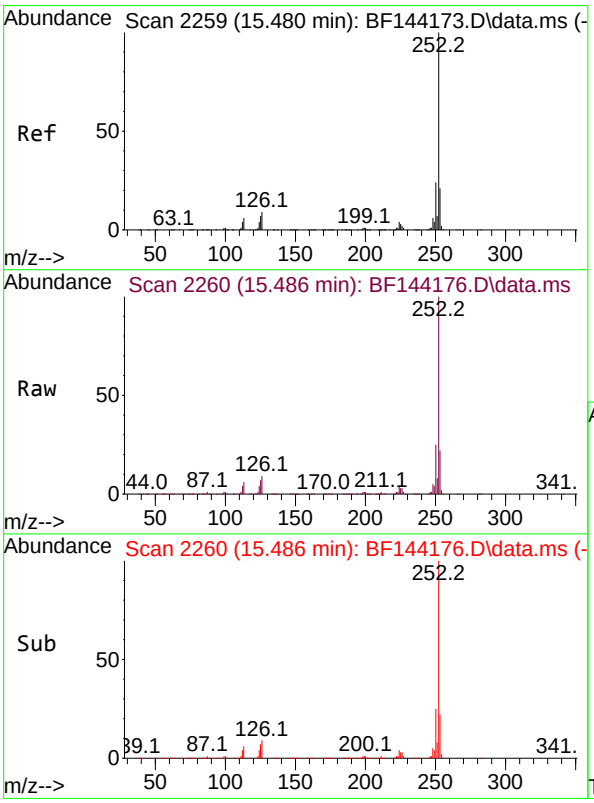
#89
Benzo(k)fluoranthene
Concen: 76.728 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 870791

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	6.1	5.4	8.2

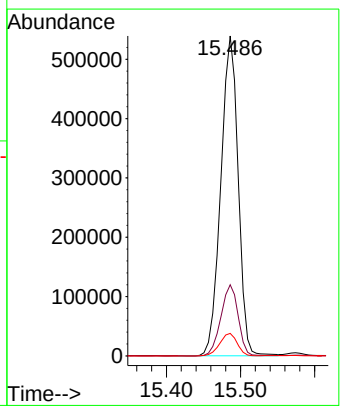


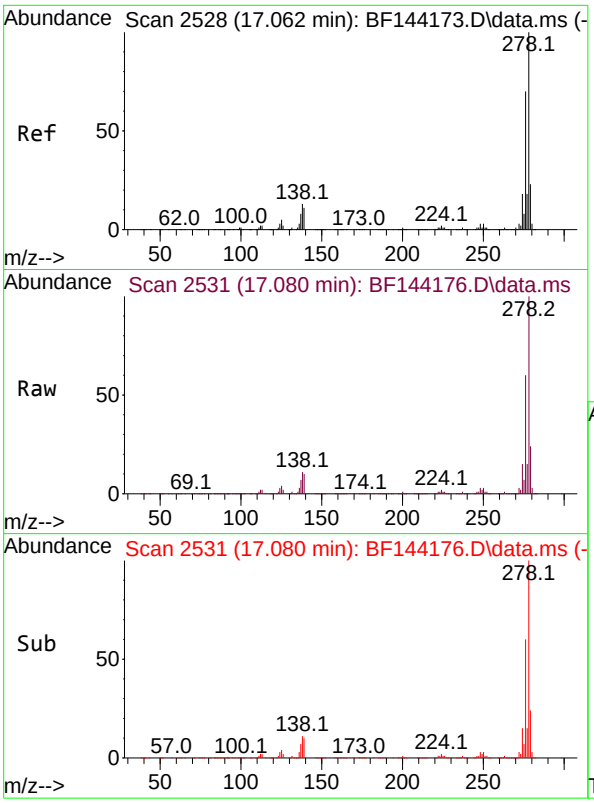


#90
Benzo(a)pyrene
Concen: 78.458 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:252 Resp: 877623

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.7	25.1
125	7.0	5.7	8.5



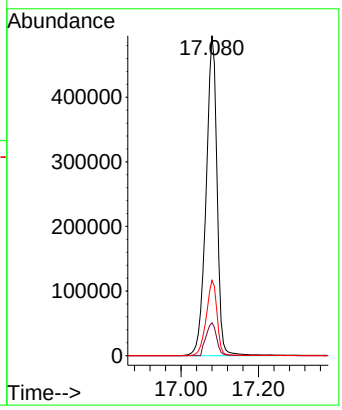


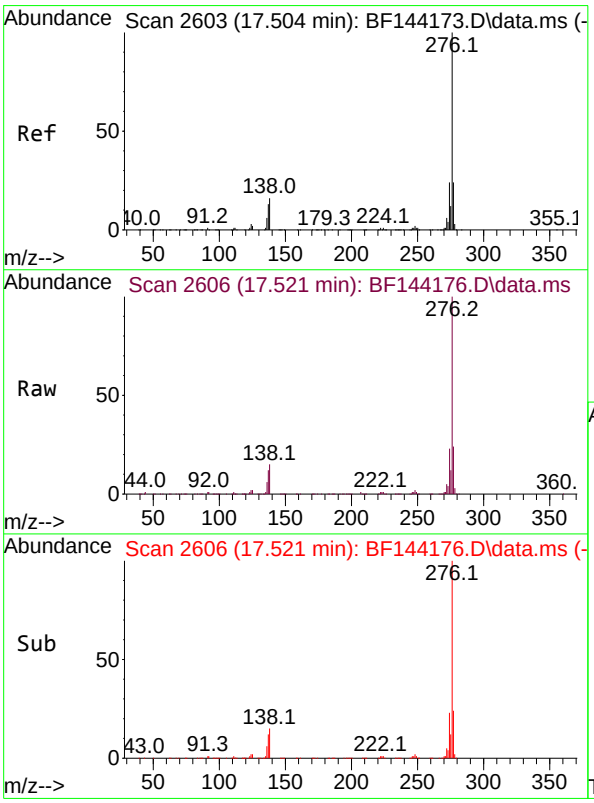
#91
Dibenzo(a,h)anthracene
Concen: 78.952 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 970735

Ion	Ratio	Lower	Upper
278	100		
139	10.2	9.1	13.7
279	23.6	18.2	27.4

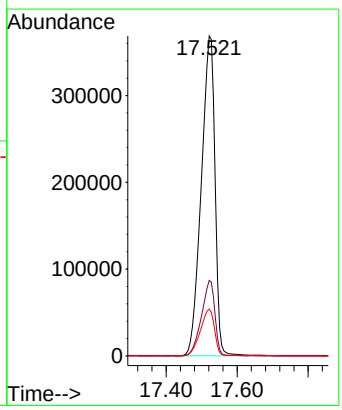




#92
Benzo(g,h,i)perylene
Concen: 80.827 ng
RT: 17.521 min Scan# 2606
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:276 Resp: 981387

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	14.6	12.9	19.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	69106	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	264133	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	143807	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	244964	20.000	ng		0.00
76) Chrysene-d12	14.057	240	162721	20.000	ng		0.00
86) Perylene-d12	15.539	264	215110	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	310198	70.243	ng		0.00
7) Phenol-d6	6.498	99	347682	69.484	ng		-0.01
23) Nitrobenzene-d5	7.440	82	313737	68.601	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	122691	67.987	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	679055	69.741	ng		0.00
79) Terphenyl-d14	12.992	244	689624	67.318	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.605	88	63887	34.992	ng		99
3) Pyridine	3.375	79	165752	32.541	ng		98
4) n-Nitrosodimethylamine	3.322	42	96379	36.224	ng		99
6) Aniline	6.534	93	264913	37.159	ng		99
8) 2-Chlorophenol	6.657	128	151995	35.096	ng		100
9) Benzaldehyde	6.428	77	128101	45.337	ng		99
10) Phenol	6.516	94	217418	35.563	ng		98
11) bis(2-Chloroethyl)ether	6.610	93	156661	35.167	ng		98
12) 1,3-Dichlorobenzene	6.816	146	192589	36.038	ng		98
13) 1,4-Dichlorobenzene	6.893	146	191978	35.858	ng		98
14) 1,2-Dichlorobenzene	7.045	146	189651	36.957	ng		98
15) Benzyl Alcohol	7.016	79	141026	35.593	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	289907	35.340	ng		99
17) 2-Methylphenol	7.122	107	119633	34.723	ng		97
18) Hexachloroethane	7.387	117	64124	36.050	ng		99
19) n-Nitroso-di-n-propyla...	7.281	70	112165	34.051	ng		95
20) 3+4-Methylphenols	7.275	107	145554	35.839	ng	#	89
22) Acetophenone	7.281	105	204331	36.061	ng		98
24) Nitrobenzene	7.457	77	172618	34.763	ng		99
25) Isophorone	7.692	82	300648	34.755	ng		100
26) 2-Nitrophenol	7.775	139	89771	36.521	ng		96
27) 2,4-Dimethylphenol	7.804	122	144915	39.334	ng		98
28) bis(2-Chloroethoxy)met...	7.904	93	191347	35.422	ng		98
29) 2,4-Dichlorophenol	8.016	162	144739	34.086	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	155562	35.677	ng		99
31) Naphthalene	8.181	128	438013	34.861	ng		99
32) Benzoic acid	7.916	122	81416m	30.148	ng		
33) 4-Chloroaniline	8.228	127	177275	38.685	ng		98
34) Hexachlorobutadiene	8.292	225	113543	34.552	ng		99
35) Caprolactam	8.592	113	38947	33.478	ng		97
36) 4-Chloro-3-methylphenol	8.704	107	130667	34.336	ng		98
37) 2-Methylnaphthalene	8.869	142	268630	31.978	ng		99
38) 1-Methylnaphthalene	8.969	142	271310	33.472	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	173491	36.811	ng		98
41) Hexachlorocyclopentadiene	9.022	237	69987	46.350	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	113418	35.357	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	121621	35.179 ng	98
46) 1,1'-Biphenyl	9.334	154	366655	36.526 ng	99
47) 2-Chloronaphthalene	9.363	162	300481	35.092 ng	99
48) 2-Nitroaniline	9.457	65	88055	35.641 ng	97
49) Acenaphthylene	9.775	152	464616	39.818 ng	99
50) Dimethylphthalate	9.634	163	334163	35.076 ng	99
51) 2,6-Dinitrotoluene	9.698	165	70890	36.758 ng	97
52) Acenaphthene	9.951	154	262974	33.702 ng	98
53) 3-Nitroaniline	9.869	138	74572	35.372 ng	98
54) 2,4-Dinitrophenol	9.981	184	33460	28.732 ng	97
55) Dibenzofuran	10.122	168	389072	35.602 ng	99
56) 4-Nitrophenol	10.034	139	47167	30.929 ng	93
57) 2,4-Dinitrotoluene	10.104	165	92928	35.994 ng	98
58) Fluorene	10.463	166	298316	35.903 ng	98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	91542	37.425 ng	98
60) Diethylphthalate	10.333	149	304274	34.646 ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	165662	35.002 ng	98
62) 4-Nitroaniline	10.481	138	70828	35.278 ng	97
63) Azobenzene	10.616	77	293901	35.958 ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	52164	31.346 ng	96
66) n-Nitrosodiphenylamine	10.575	169	285930	36.292 ng	99
67) 4-Bromophenyl-phenylether	10.945	248	106730	34.135 ng	97
68) Hexachlorobenzene	11.016	284	128202	34.810 ng	98
69) Atrazine	11.098	200	92182	36.790 ng	97
70) Pentachlorophenol	11.216	266	59981	32.706 ng	99
71) Phenanthrene	11.433	178	427466	35.049 ng	99
72) Anthracene	11.486	178	437609	35.286 ng	100
73) Carbazole	11.639	167	360909	34.224 ng	99
74) Di-n-butylphthalate	11.963	149	440261	34.535 ng	99
75) Fluoranthene	12.622	202	432624	34.338 ng	99
77) Benzidine	12.745	184	217389	45.165 ng	99
78) Pyrene	12.857	202	433110	33.011 ng	99
80) Butylbenzylphthalate	13.469	149	157485	34.633 ng	98
81) Benzo(a)anthracene	14.045	228	377686	33.489 ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	153129	39.612 ng	96
83) Chrysene	14.086	228	359786	34.559 ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	217122	34.880 ng	99
85) Di-n-octyl phthalate	14.645	149	377429	35.142 ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	525298	34.019 ng	100
88) Benzo(b)fluoranthene	15.104	252	428292	35.021 ng	99
89) Benzo(k)fluoranthene	15.133	252	371234	32.431 ng	99
90) Benzo(a)pyrene	15.480	252	399556	35.415 ng	100
91) Dibenzo(a,h)anthracene	17.062	278	423195	34.126 ng	99
92) Benzo(g,h,i)perylene	17.504	276	426866	34.857 ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

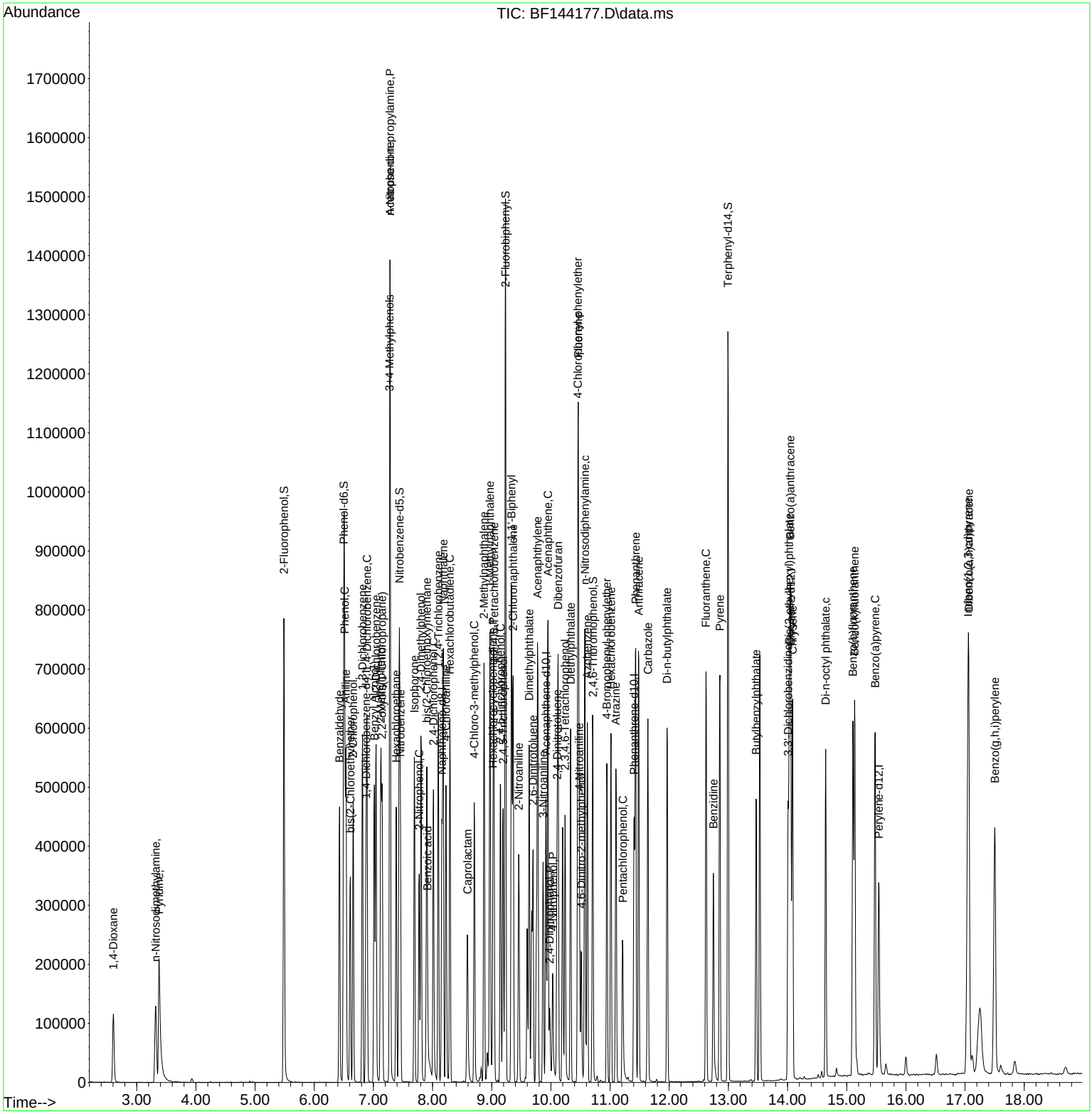
ICAL Form

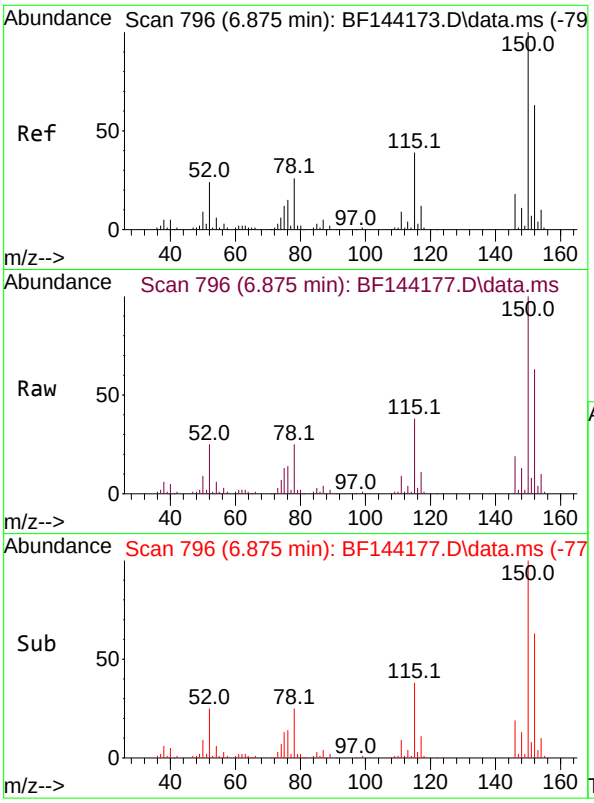
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

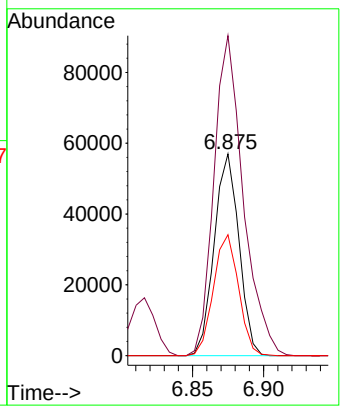
Tgt Ion:152 Resp: 69106

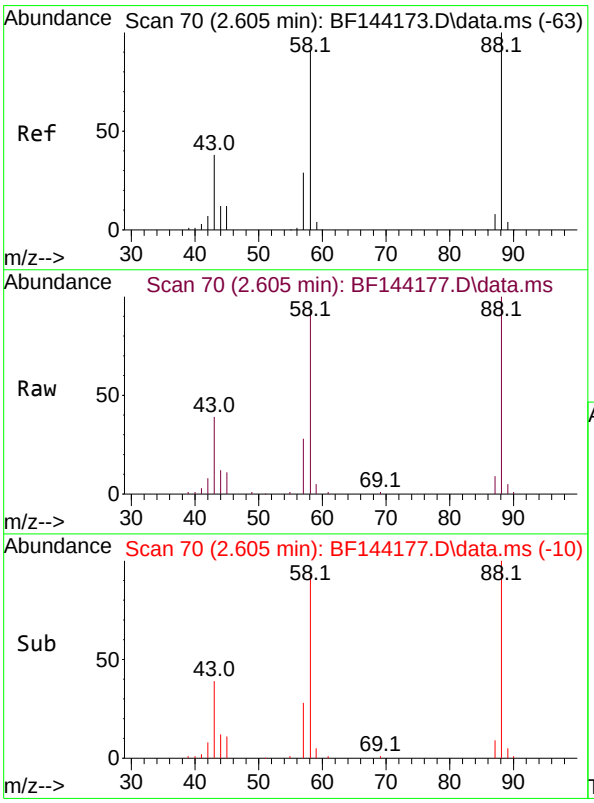
Ion	Ratio	Lower	Upper
152	100		
150	158.6	127.4	191.0
115	59.9	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

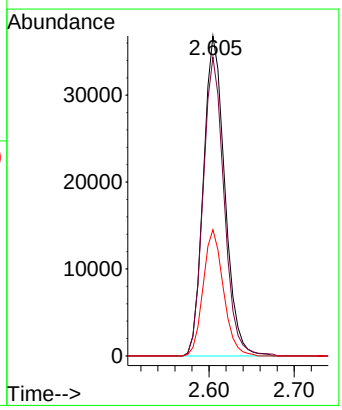


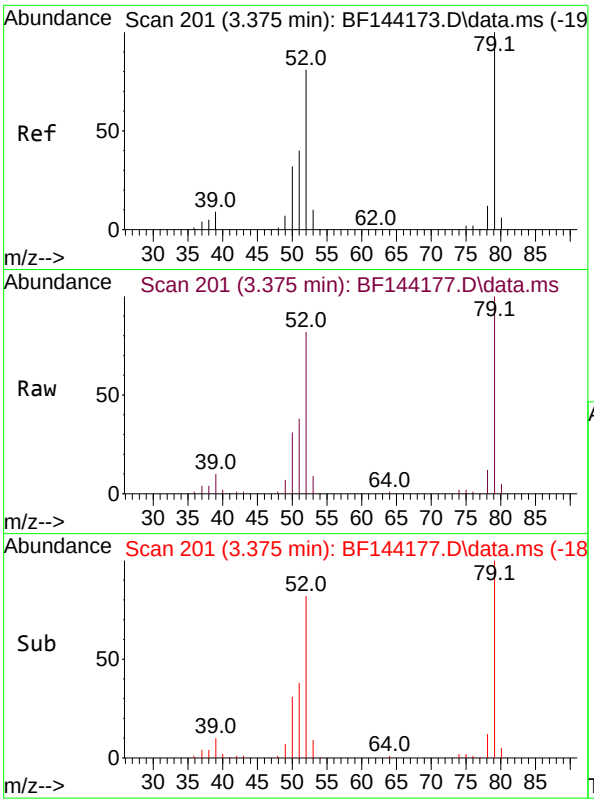


#2
1,4-Dioxane
Concen: 34.992 ng
RT: 2.605 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 88 Resp: 63887

Ion	Ratio	Lower	Upper
88	100		
58	91.6	73.1	109.7
43	37.5	31.0	46.6





#3
Pyridine
Concen: 32.541 ng
RT: 3.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

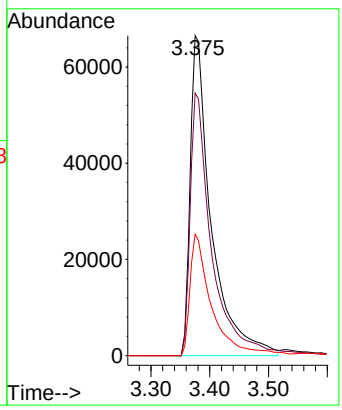
Tgt Ion: 79 Resp: 16575

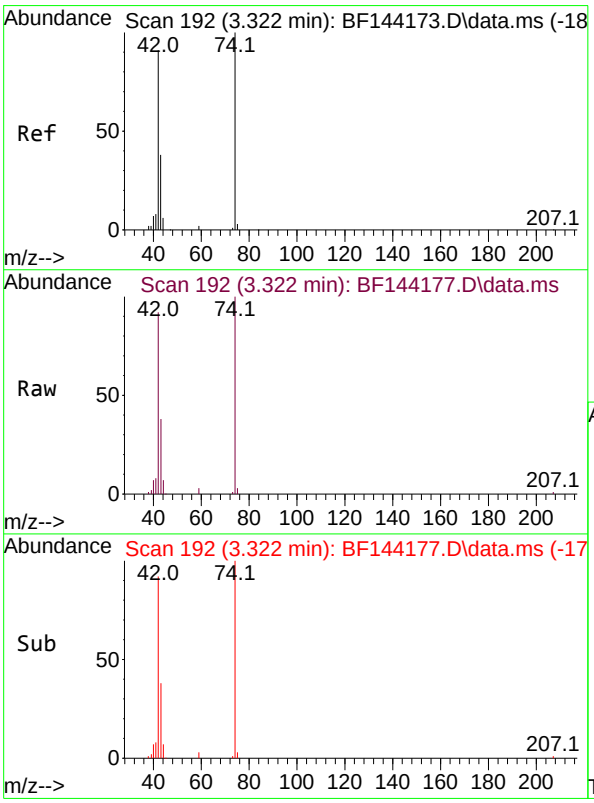
Ion	Ratio	Lower	Upper
79	100		
52	82.0	64.5	96.7
51	38.0	31.7	47.5

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

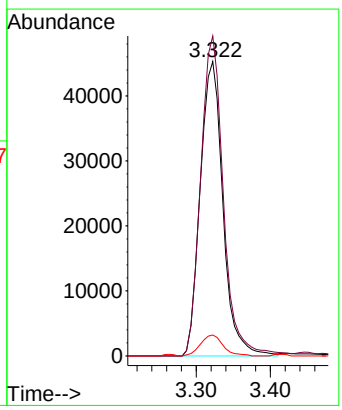


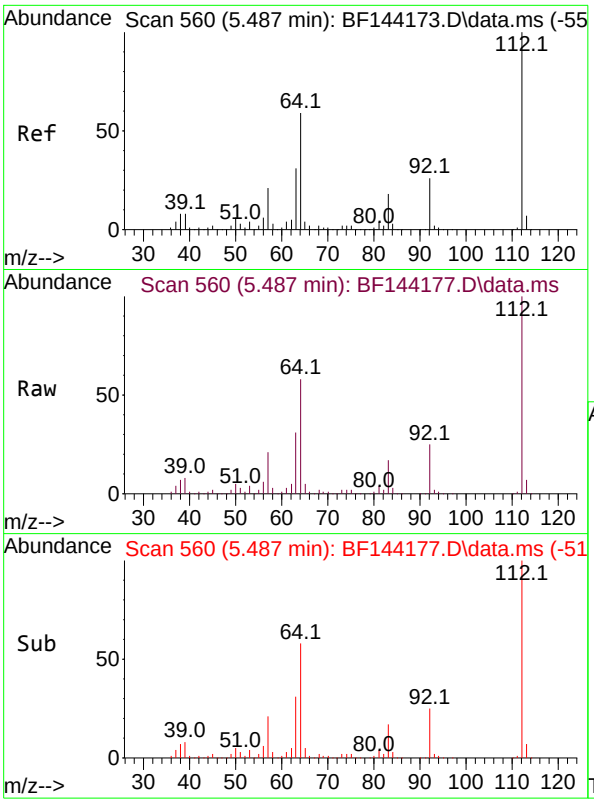


#4
n-Nitrosodimethylamine
Concen: 36.224 ng
RT: 3.322 min Scan# 192
Delta R.T. -0.023 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 42 Resp: 96379

Ion	Ratio	Lower	Upper
42	100		
74	108.7	88.2	132.4
44	7.1	5.7	8.5





#5
2-Fluorophenol
Concen: 70.243 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

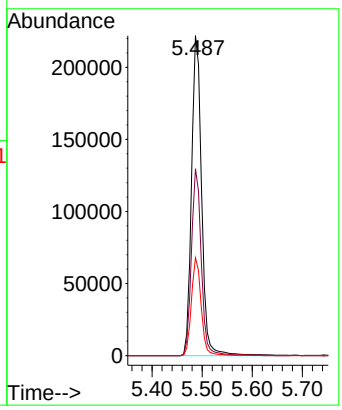
Tgt Ion:112 Resp: 310198

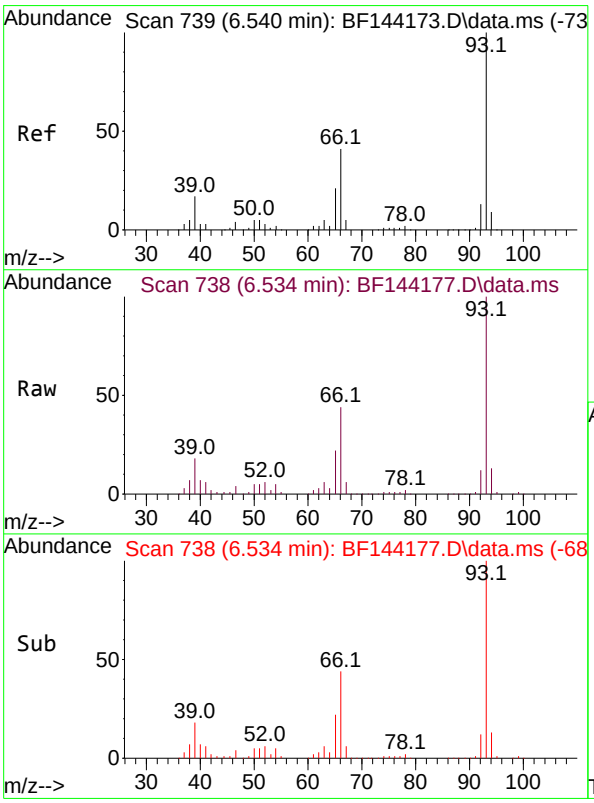
Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.2	70.8
63	30.6	24.4	36.6

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

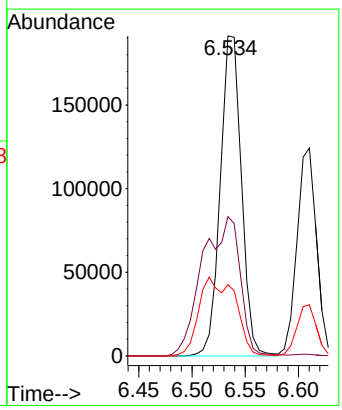


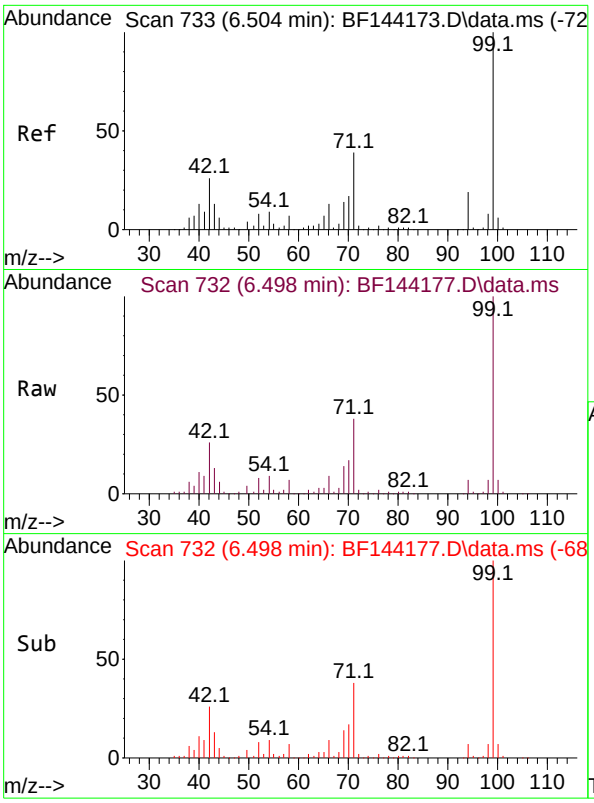


#6
Aniline
Concen: 37.159 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 93 Resp: 264913

Ion	Ratio	Lower	Upper
93	100		
66	43.5	34.3	51.5
65	22.2	16.9	25.3





#7
Phenol-d6
Concen: 69.484 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 99 Resp: 34768

Ion	Ratio	Lower	Upper
99	100		
42	25.6	20.9	31.3
71	38.4	31.4	47.2

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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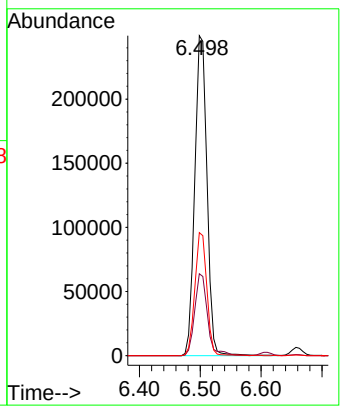
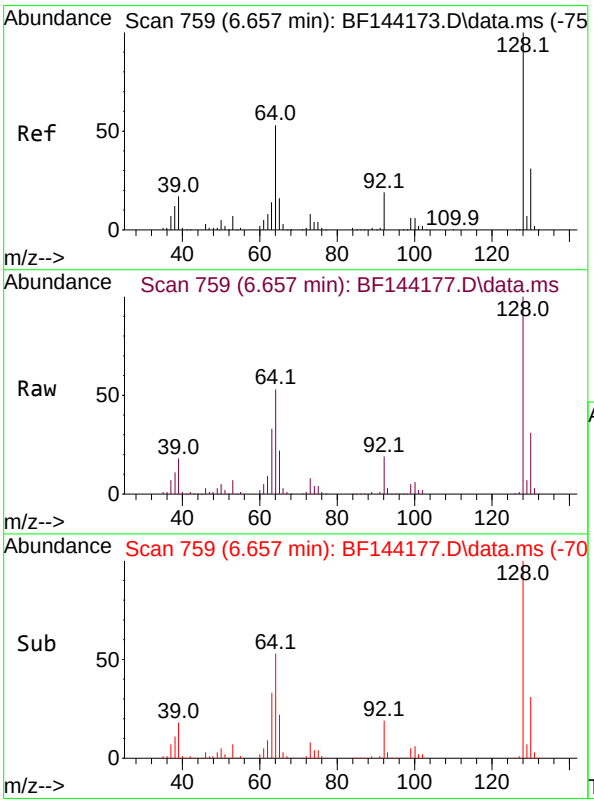
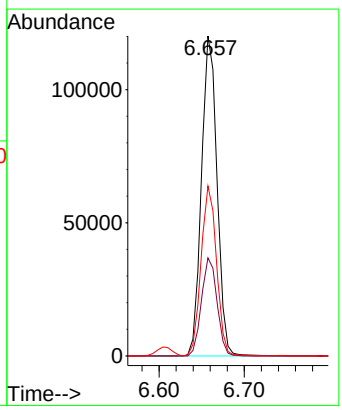


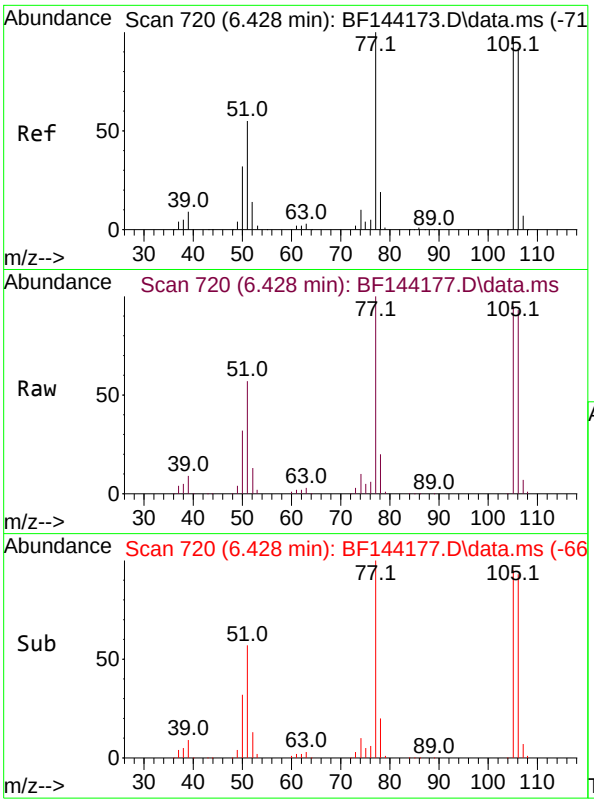


#8
2-Chlorophenol
Concen: 35.096 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:128 Resp: 151995

Ion	Ratio	Lower	Upper
128	100		
130	30.6	10.5	50.5
64	53.1	33.2	73.2





#9
Benzaldehyde
Concen: 45.337 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 77 Resp: 12810

Ion	Ratio	Lower	Upper
77	100		
105	95.1	77.2	117.2
106	92.9	72.2	112.2

Instrument :
BNA_F
ClientSampleId :
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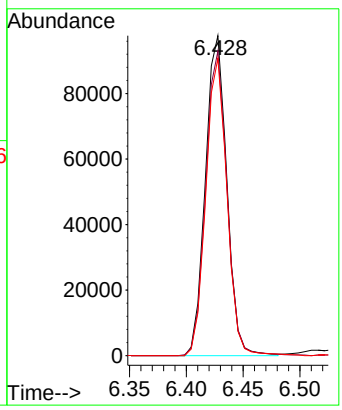
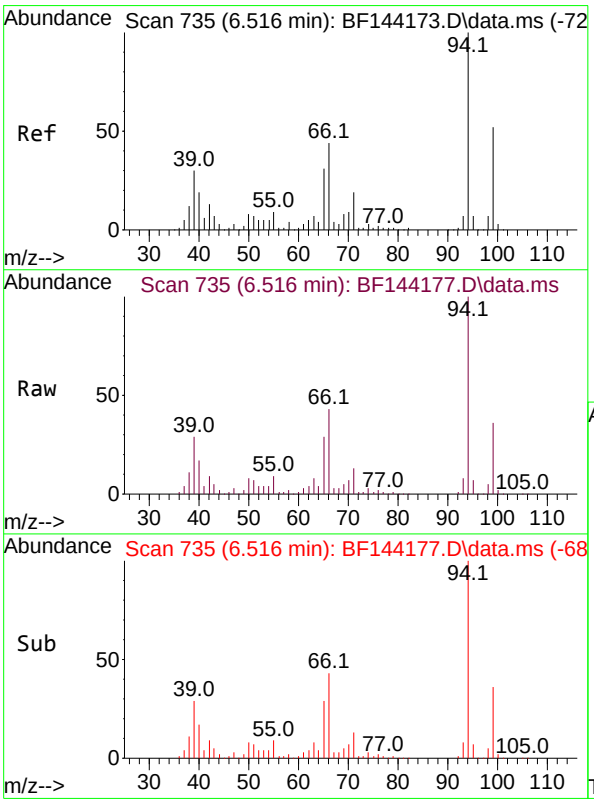
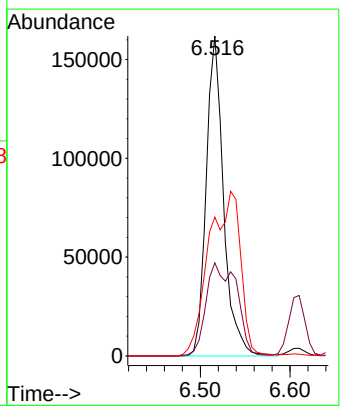


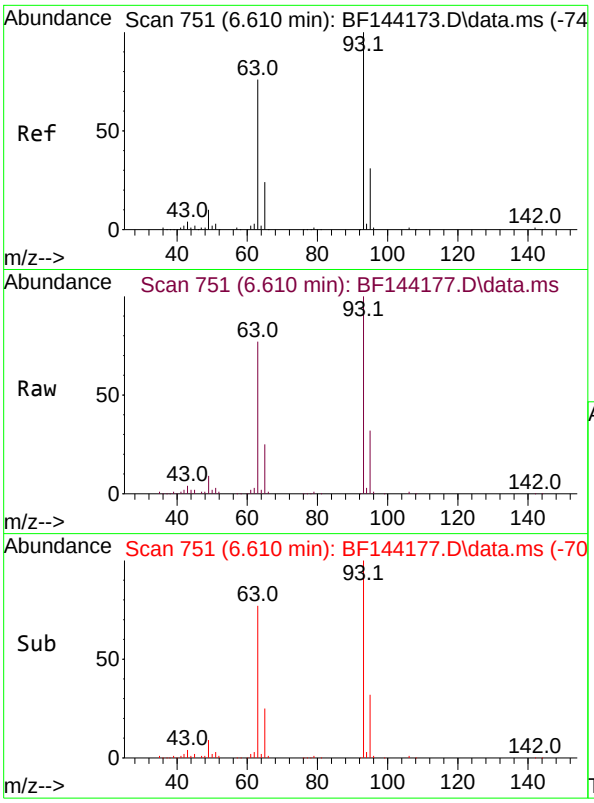


#10
Phenol
Concen: 35.563 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 94 Resp: 217418

Ion	Ratio	Lower	Upper
94	100		
65	29.1	10.8	50.8
66	43.4	24.3	64.3





#11
bis(2-Chloroethyl)ether
Concen: 35.167 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 93 Resp: 15666

Ion	Ratio	Lower	Upper
93	100		
63	77.3	55.2	95.2
95	31.8	11.2	51.2

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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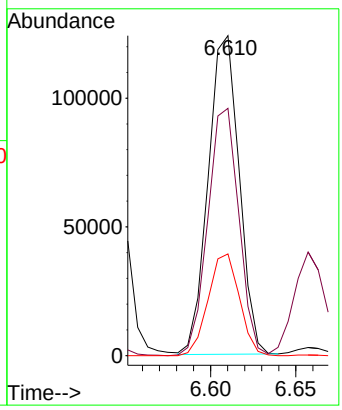
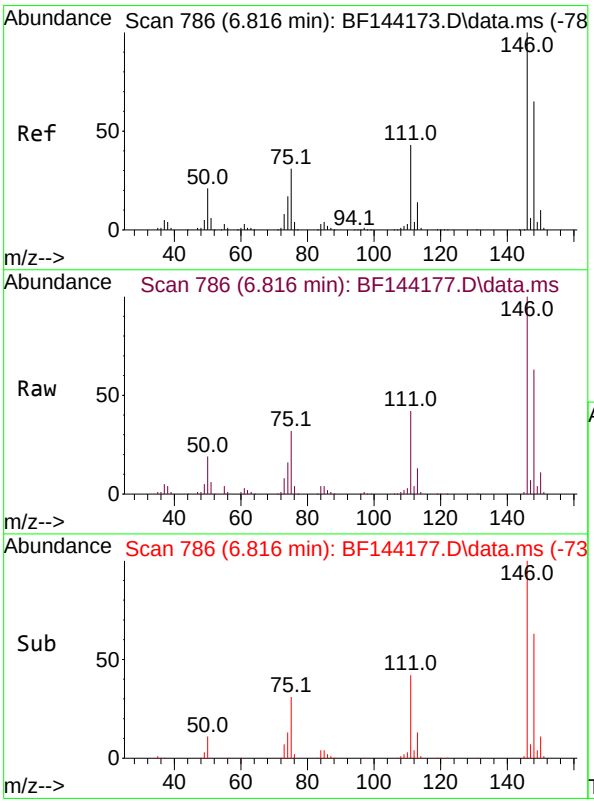
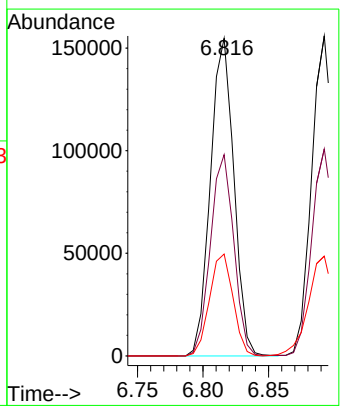


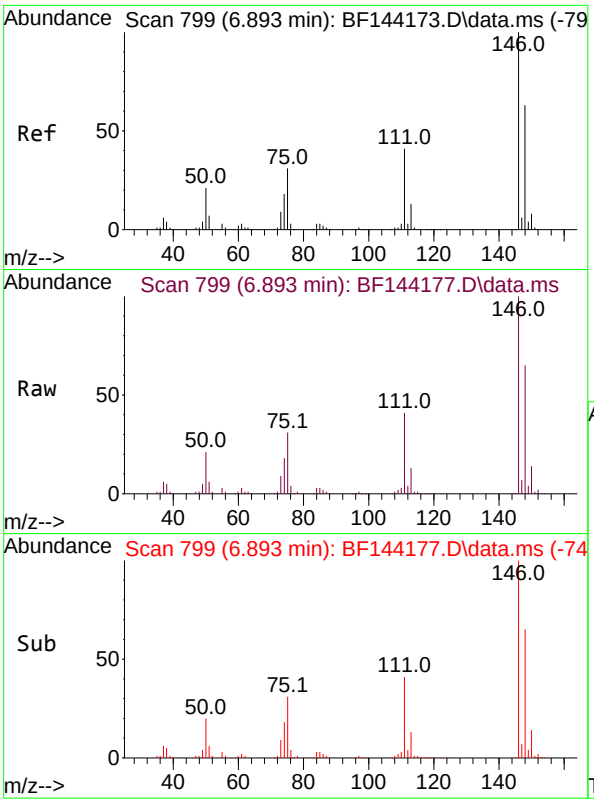


#12
1,3-Dichlorobenzene
Concen: 36.038 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:146 Resp: 192589

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.8	77.8
75	32.1	25.0	37.4





#13
1,4-Dichlorobenzene
Concen: 35.858 ng
RT: 6.893 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:146 Resp: 191978

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.2	75.2
111	41.4	32.6	48.8

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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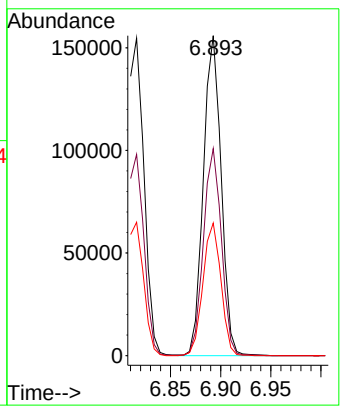
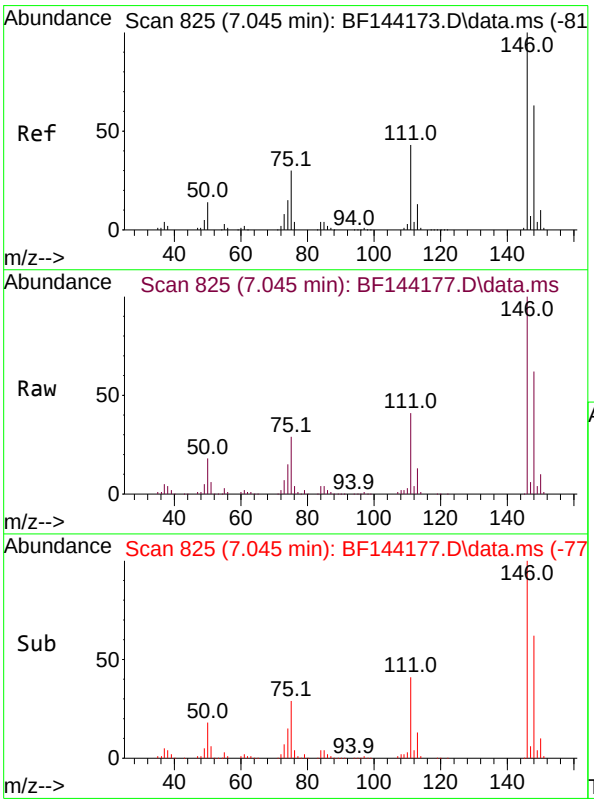
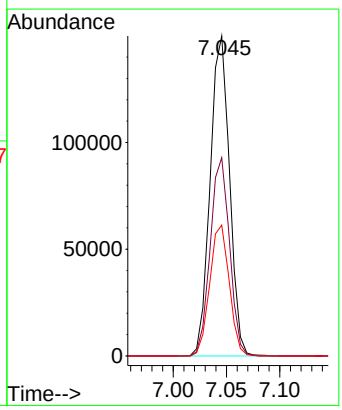


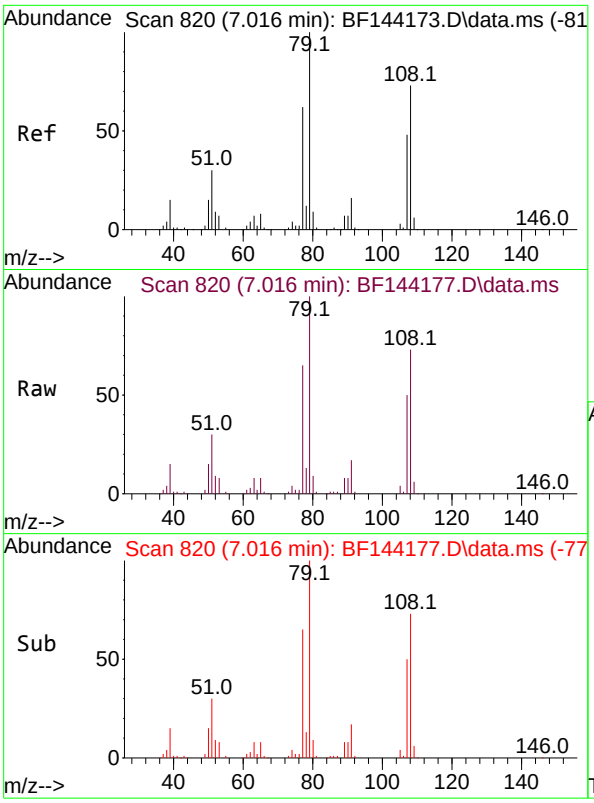


#14
1,2-Dichlorobenzene
Concen: 36.957 ng
RT: 7.045 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:146 Resp: 189651

Ion	Ratio	Lower	Upper
146	100		
148	61.9	50.7	76.1
111	40.9	34.2	51.4





#15
Benzyl Alcohol
Concen: 35.593 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 79 Resp: 14102

Ion	Ratio	Lower	Upper
79	100		
108	73.3	58.2	87.4
77	64.9	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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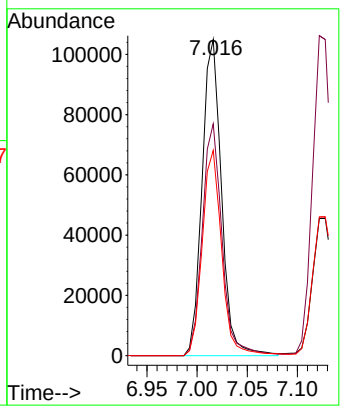
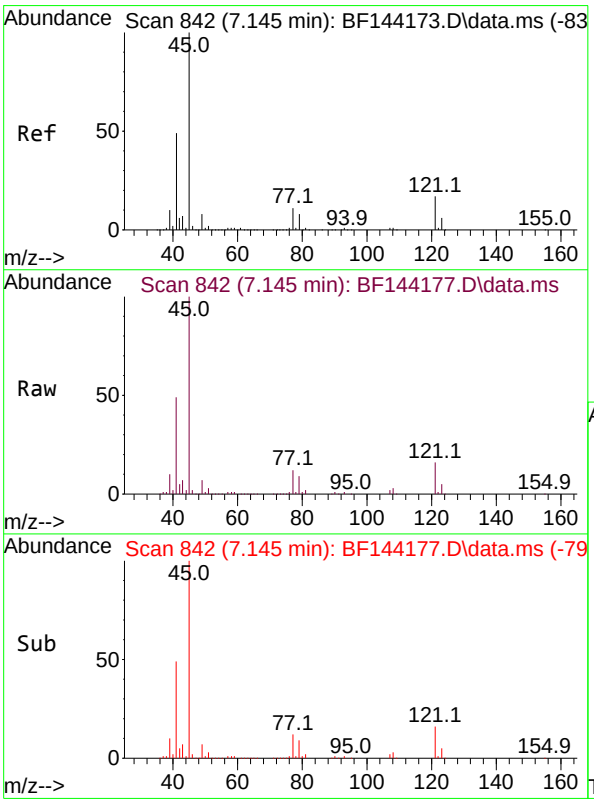
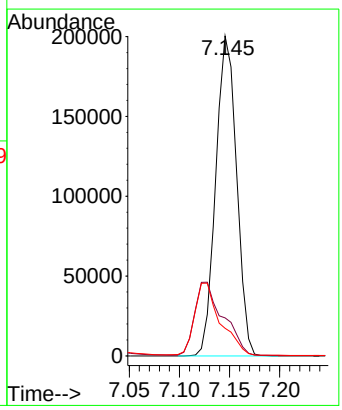


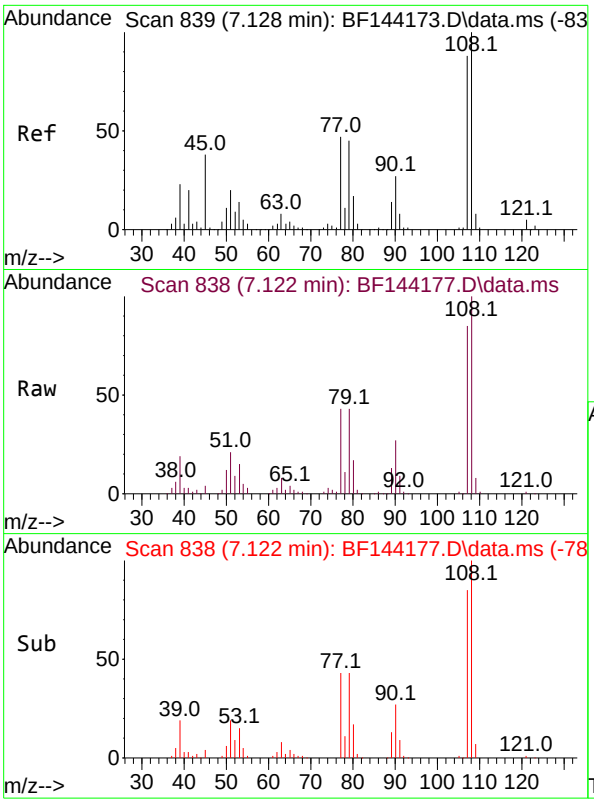


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.340 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 45 Resp: 289907

Ion	Ratio	Lower	Upper
45	100		
77	11.9	0.0	31.8
79	8.6	0.0	29.1

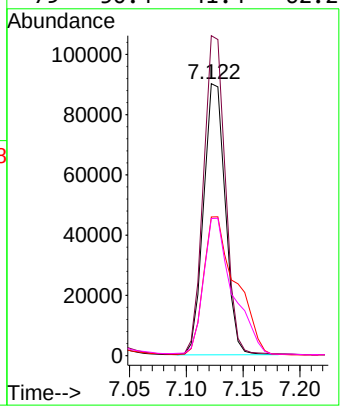




#17
2-Methylphenol
Concen: 34.723 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:107 Resp: 11963

Ion	Ratio	Lower	Upper
107	100		
108	117.7	91.0	136.4
77	51.0	42.7	64.1
79	50.4	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
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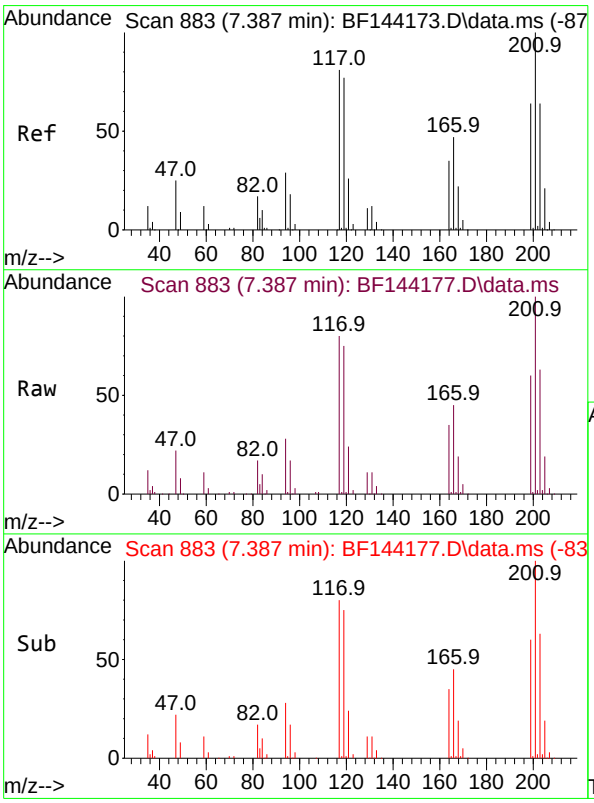
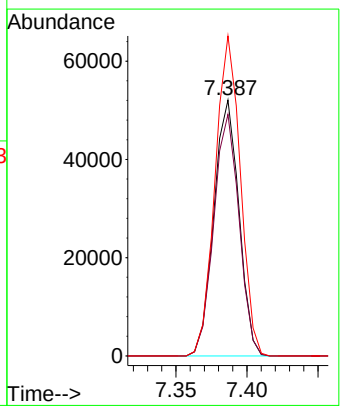
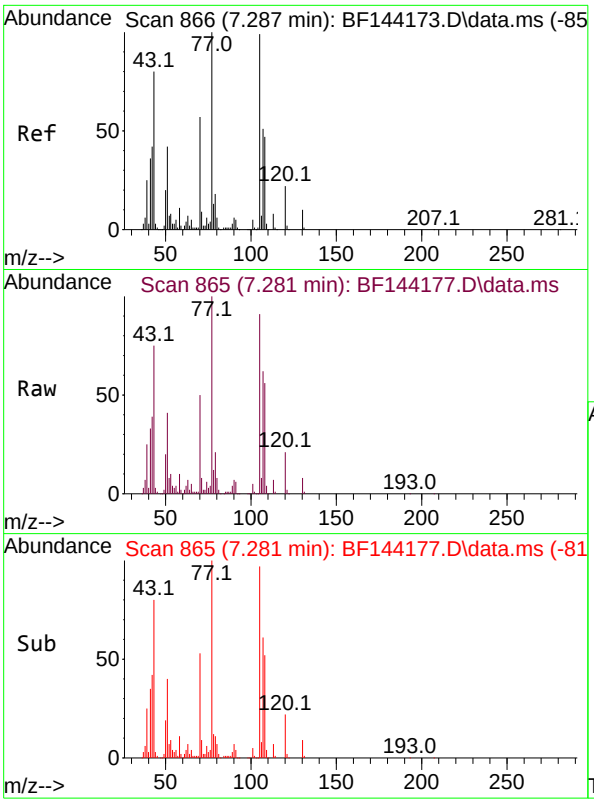


#18
Hexachloroethane
Concen: 36.050 ng
RT: 7.387 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:117 Resp: 64124

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.8	113.8
201	125.1	98.9	148.3

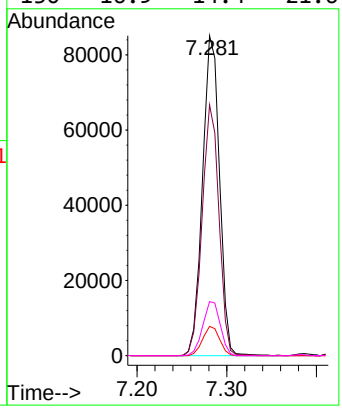




#19
n-Nitroso-di-n-propylamine
Concen: 34.051 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 70 Resp: 11216

Ion	Ratio	Lower	Upper
70	100		
42	78.4	58.3	87.5
101	9.1	7.0	10.6
130	16.9	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
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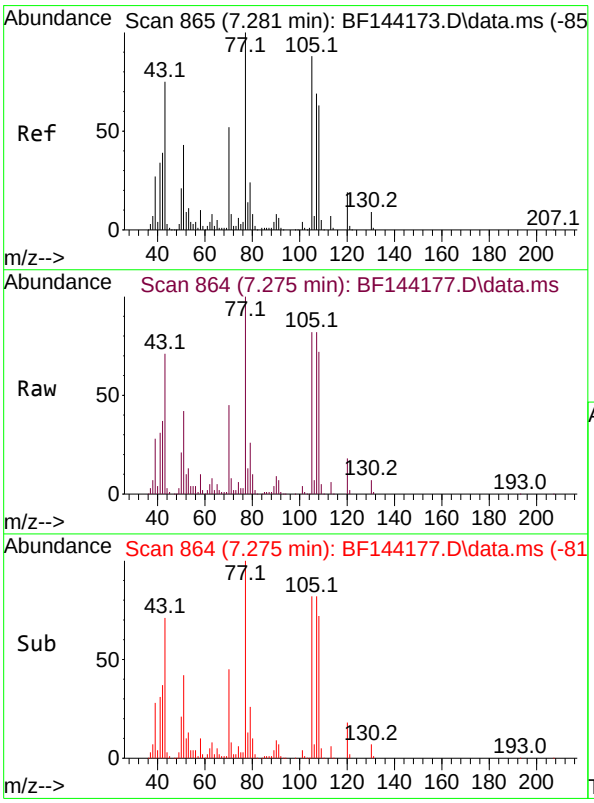
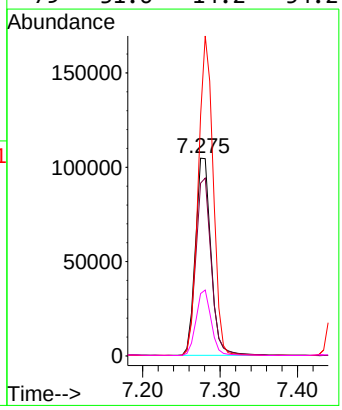
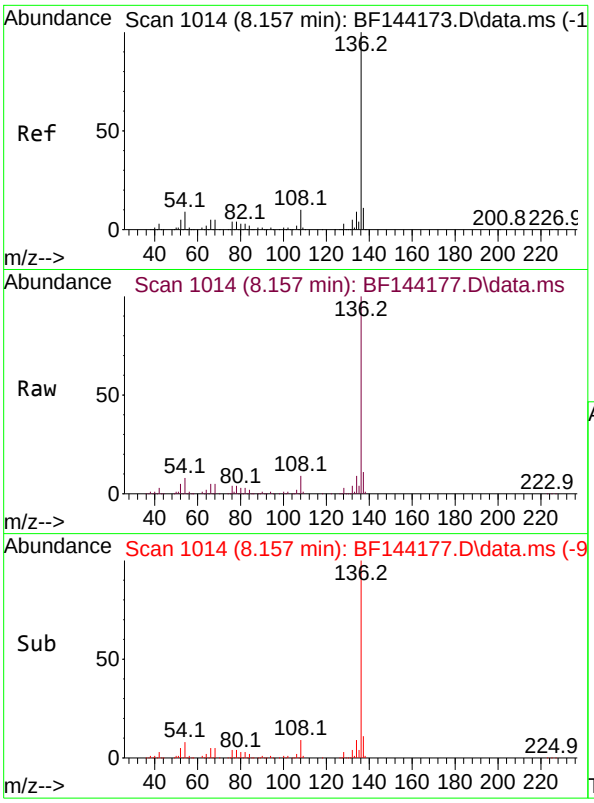


#20
3+4-Methylphenols
Concen: 35.839 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:107 Resp: 145554

Ion	Ratio	Lower	Upper
107	100		
108	87.4	70.2	110.2
77	121.6	123.9	163.9#
79	31.6	14.2	54.2

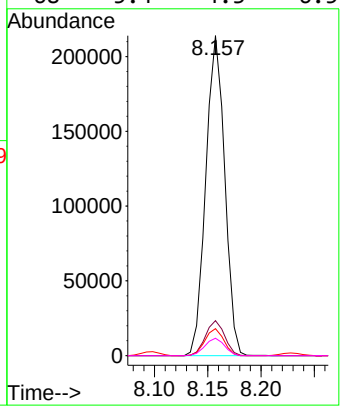




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:136 Resp: 26413

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	7.0	10.6
68	5.4	4.3	6.5



Instrument :
BNA_F
ClientSampleId :
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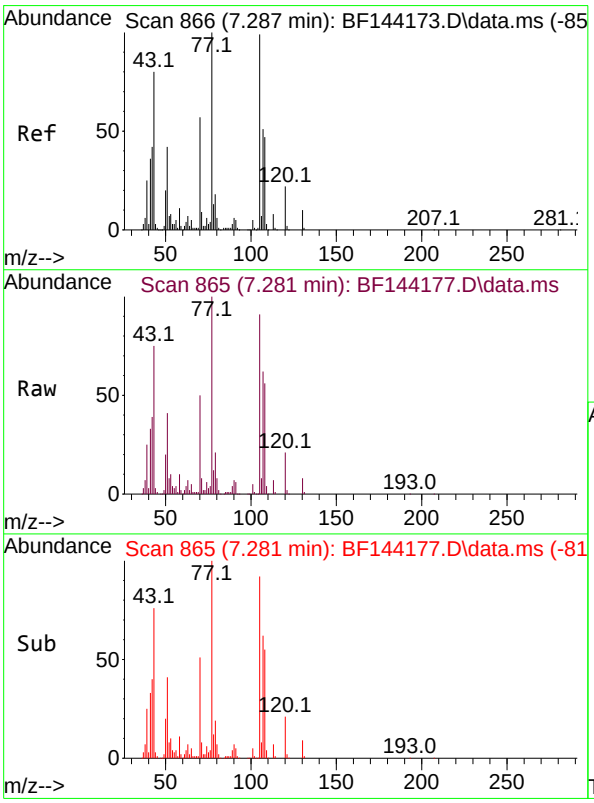
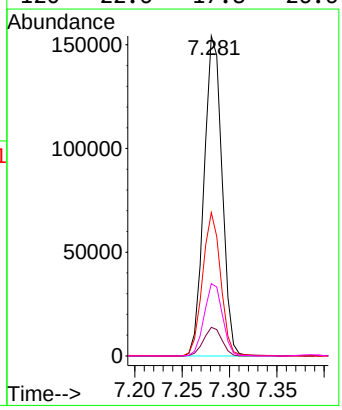
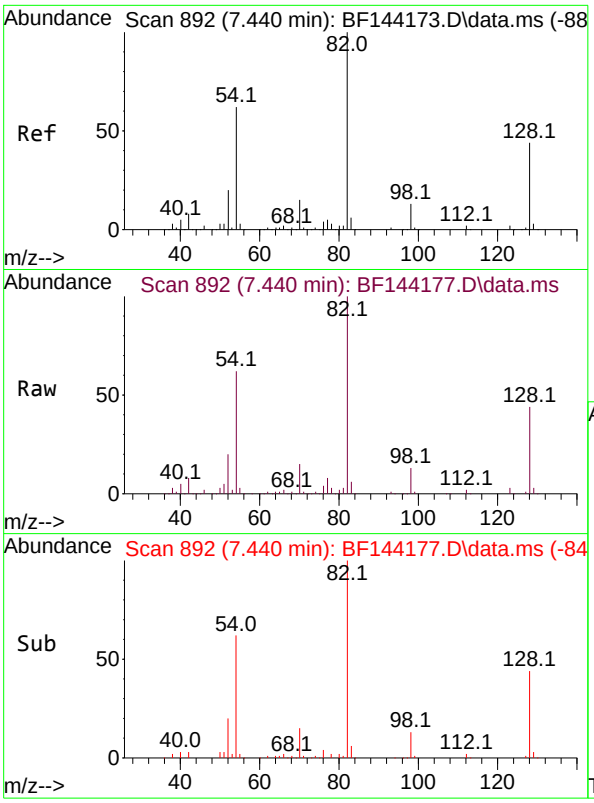


#22
Acetophenone
Concen: 36.061 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:105 Resp: 204331

Ion	Ratio	Lower	Upper
105	100		
71	8.9	7.2	10.8
51	44.8	34.0	51.0
120	22.6	17.8	26.6





#23
Nitrobenzene-d5
Concen: 68.601 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 82 Resp: 31373

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.7	52.1
54	61.7	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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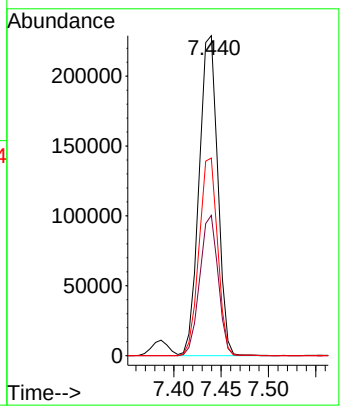
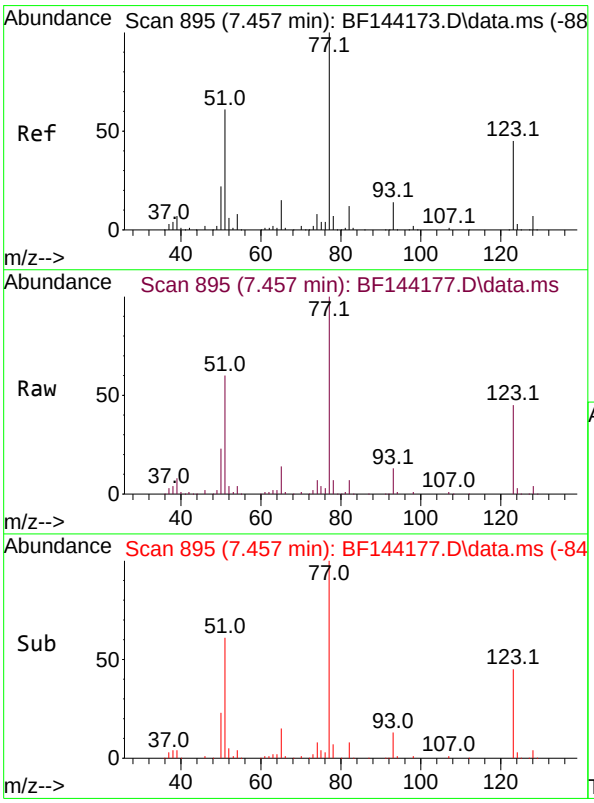
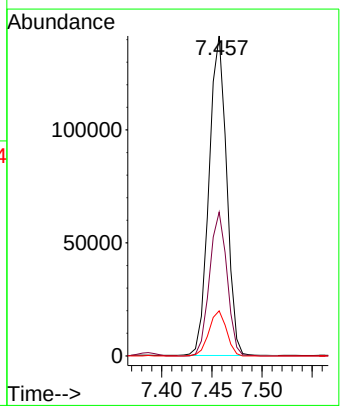


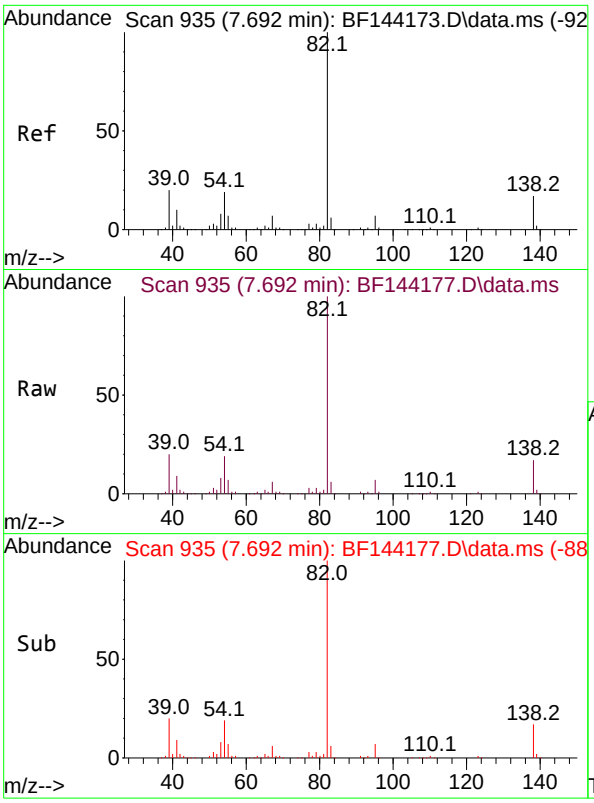


#24
Nitrobenzene
Concen: 34.763 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 77 Resp: 172618

Ion	Ratio	Lower	Upper
77	100		
123	44.9	35.8	53.8
65	14.1	12.2	18.2





#25
Isophorone
Concen: 34.755 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 82 Resp: 30064

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.5	8.3
138	17.2	13.7	20.5

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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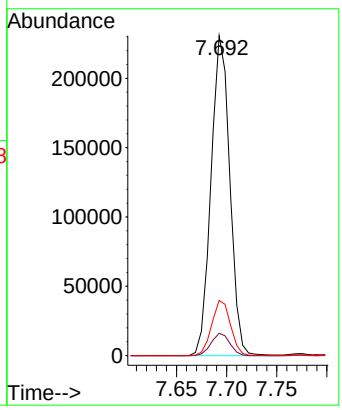
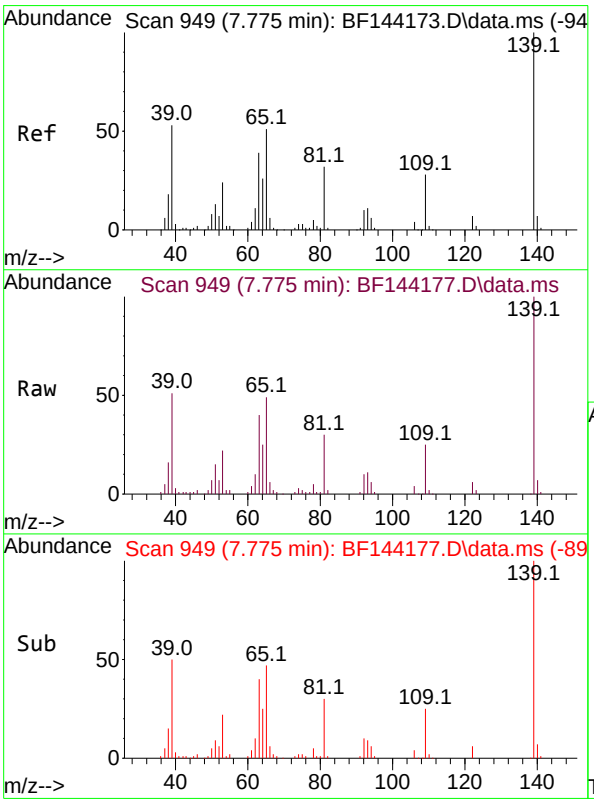
Supervised By :Jagrut Upadhyay 11/06/2025

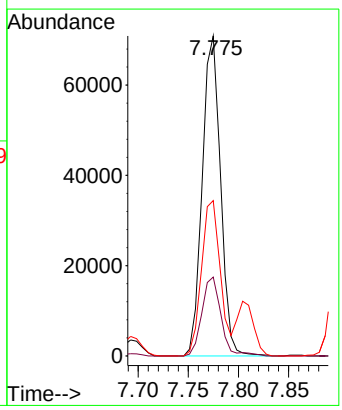


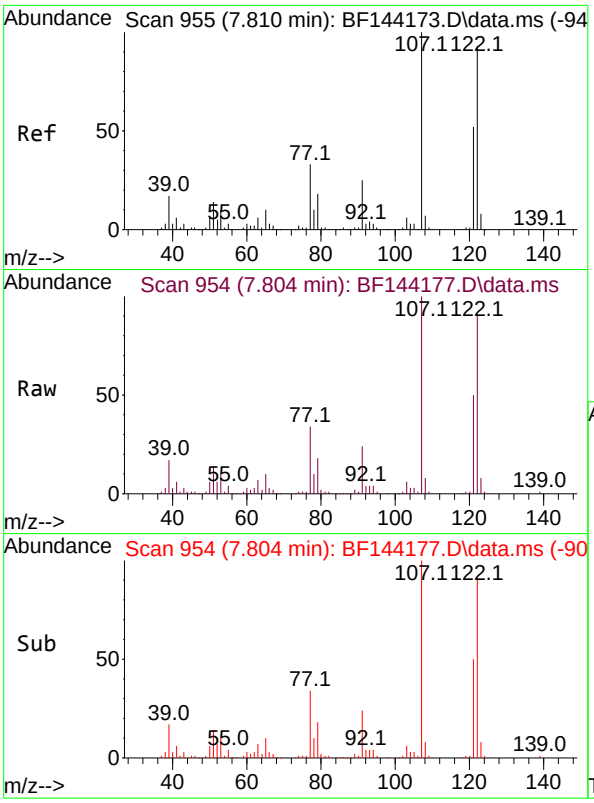


#26
2-Nitrophenol
Concen: 36.521 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:139 Resp: 89771

Ion	Ratio	Lower	Upper
139	100		
109	24.6	22.2	33.2
65	48.5	40.7	61.1





#27
2,4-Dimethylphenol
Concen: 39.334 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:122 Resp: 14491

Ion	Ratio	Lower	Upper
122	100		
107	110.2	86.2	129.4
121	54.8	44.6	66.8

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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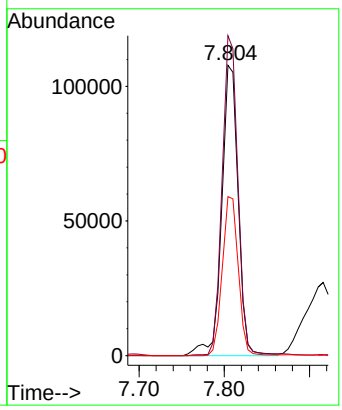
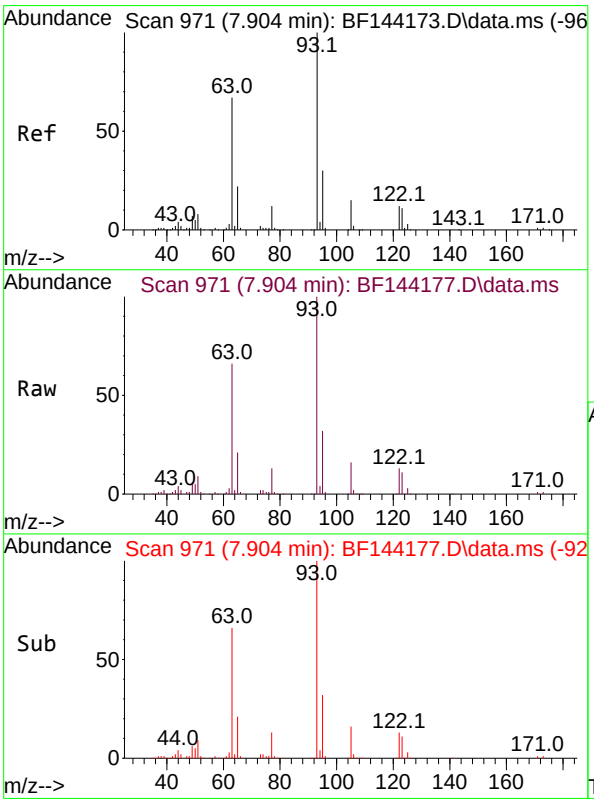
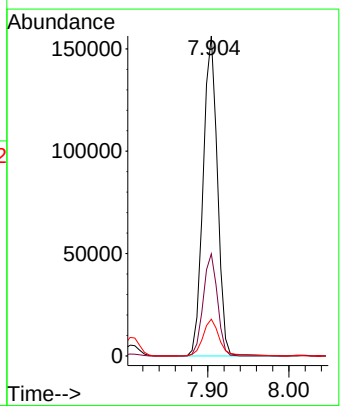


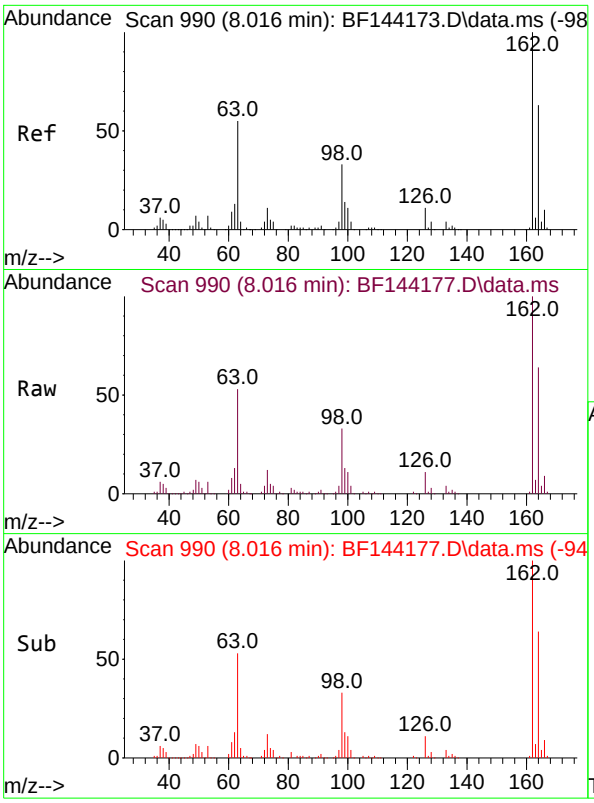


#28
bis(2-Chloroethoxy)methane
Concen: 35.422 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 93 Resp: 191347

Ion	Ratio	Lower	Upper
93	100		
95	31.9	24.2	36.4
123	11.5	9.0	13.4





#29
2,4-Dichlorophenol
Concen: 34.086 ng
RT: 8.016 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:162 Resp: 144739

Ion	Ratio	Lower	Upper
162	100		
164	63.8	42.9	82.9
98	33.1	13.3	53.3

Instrument :
BNA_F
ClientSampleId :
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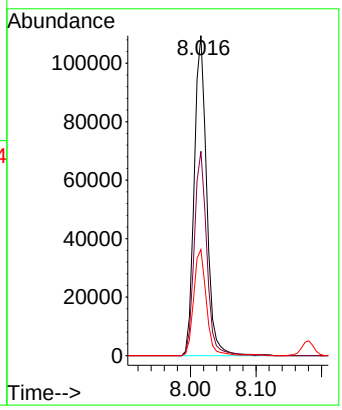
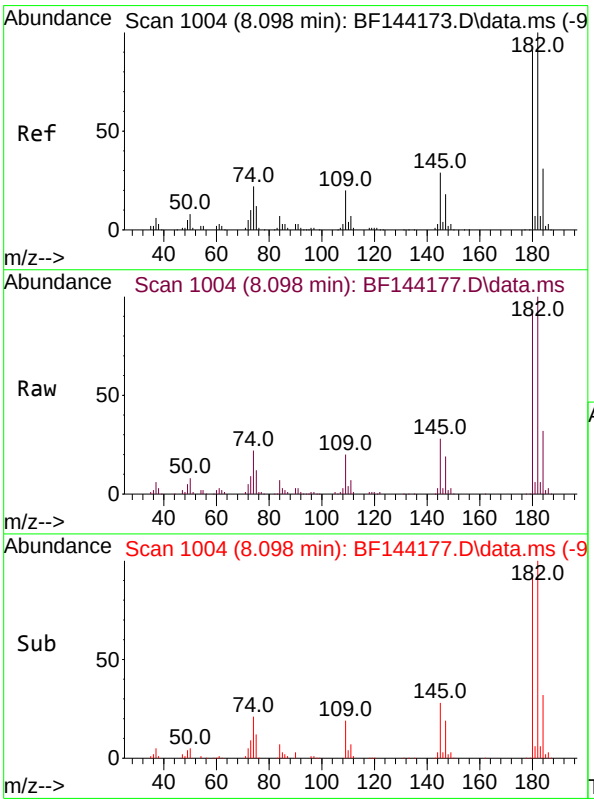
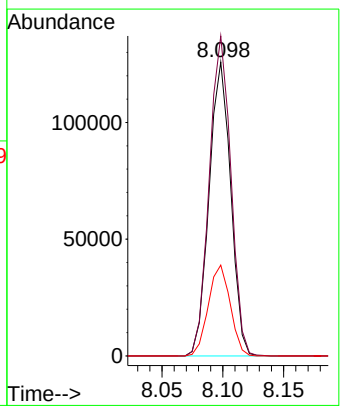


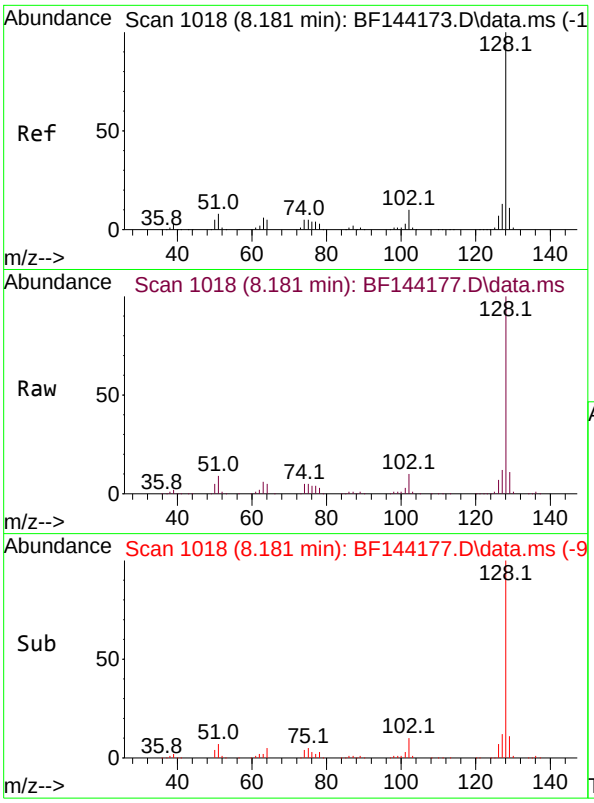


#30
1,2,4-Trichlorobenzene
Concen: 35.677 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:180 Resp: 155562

Ion	Ratio	Lower	Upper
180	100		
182	108.9	87.7	131.5
145	30.9	25.4	38.0





#31
Naphthalene
Concen: 34.861 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:128 Resp: 43801

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	12.4	10.3	15.5

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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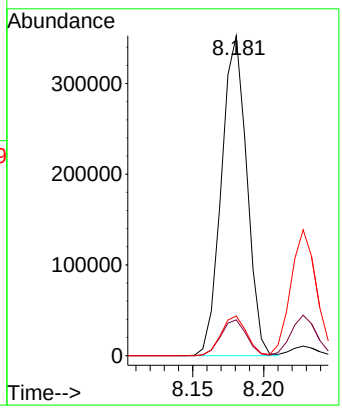
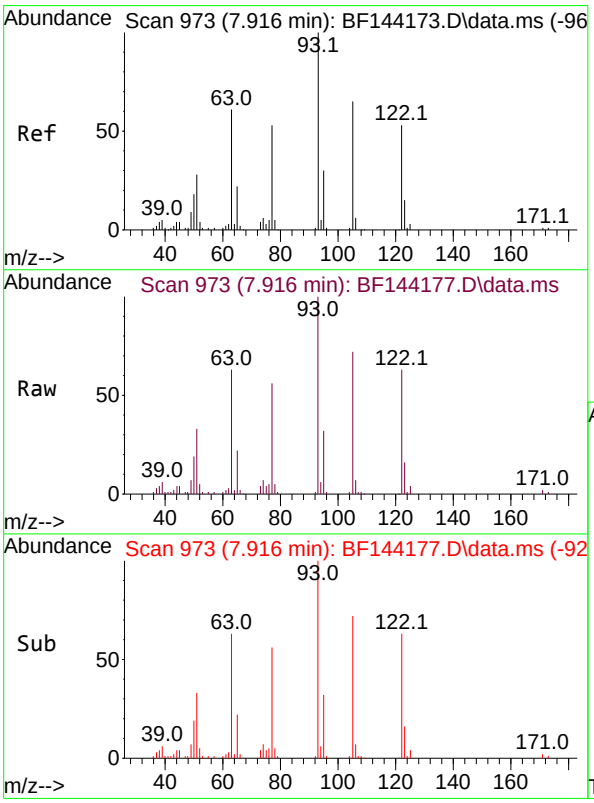
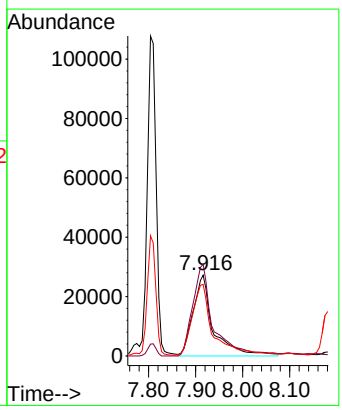


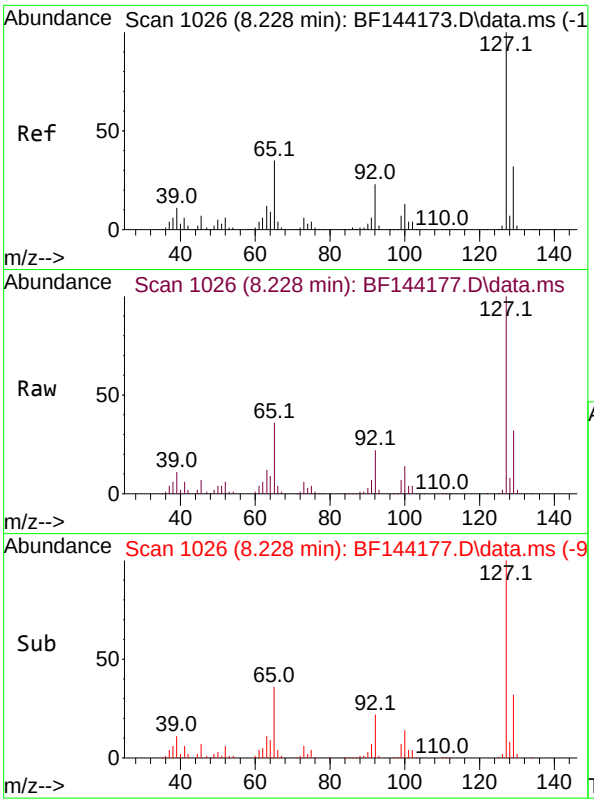


#32
Benzoic acid
Concen: 30.148 ng m
RT: 7.916 min Scan# 973
Delta R.T. -0.035 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:122 Resp: 81416

Ion	Ratio	Lower	Upper
122	100		
105	113.5	99.9	139.9
77	88.6	77.5	117.5





#33
4-Chloroaniline
Concen: 38.685 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:127 Resp: 17727

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.3	37.9
65	36.4	27.6	41.4
92	21.9	18.4	27.6

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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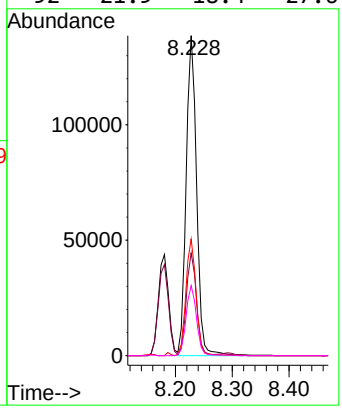
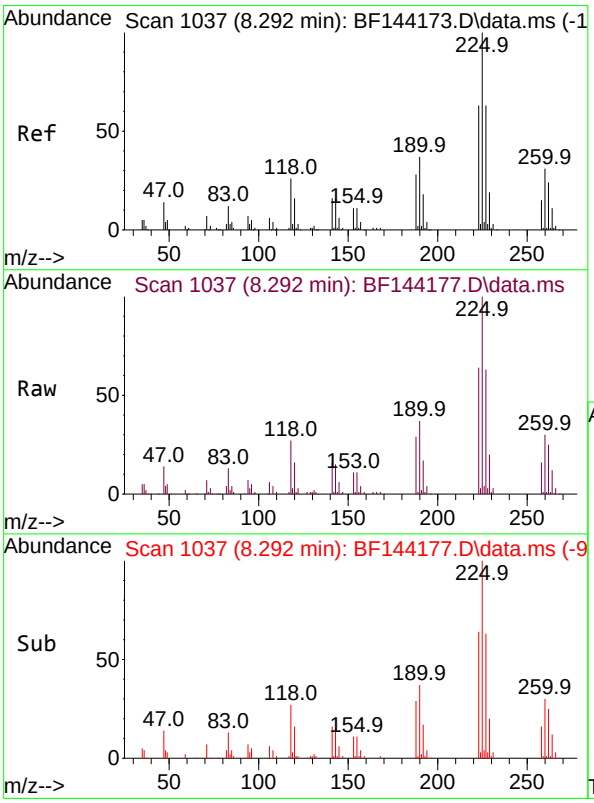
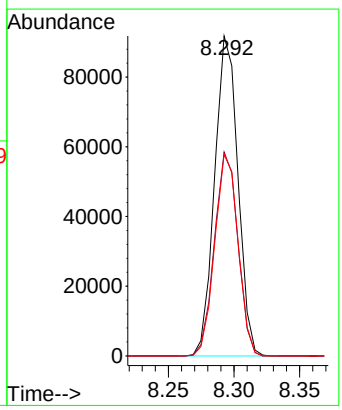


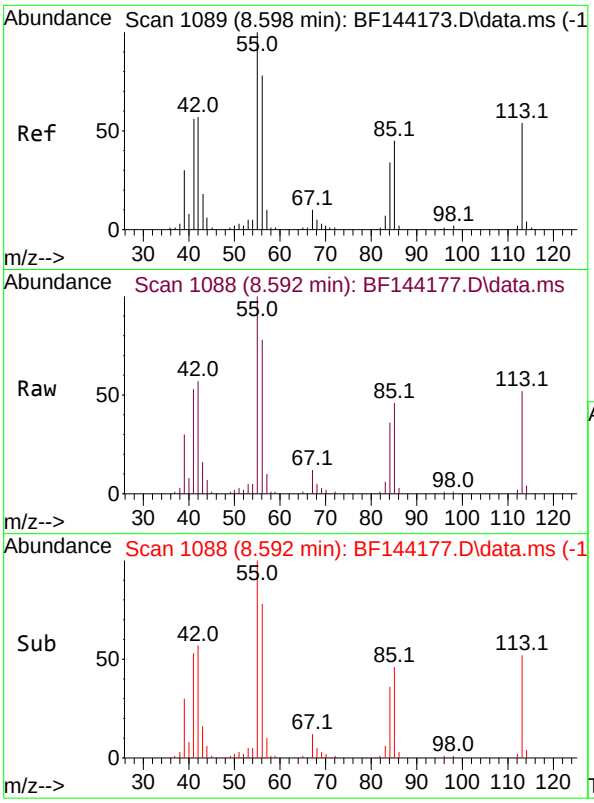


#34
Hexachlorobutadiene
Concen: 34.552 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:225 Resp: 113543

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.2	75.4
227	62.9	50.1	75.1





#35
Caprolactam
Concen: 33.478 ng
RT: 8.592 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:113 Resp: 3894

Ion	Ratio	Lower	Upper
113	100		
55	191.5	166.8	206.8
56	149.7	125.9	165.9

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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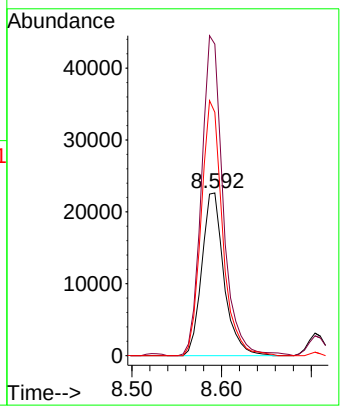
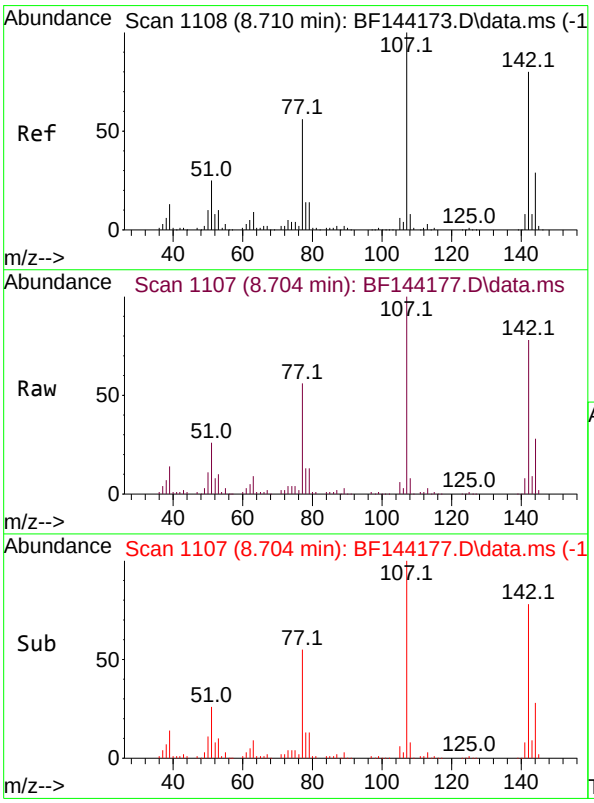
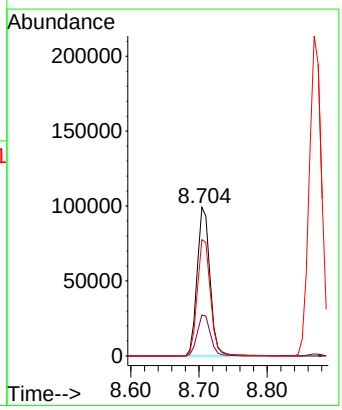


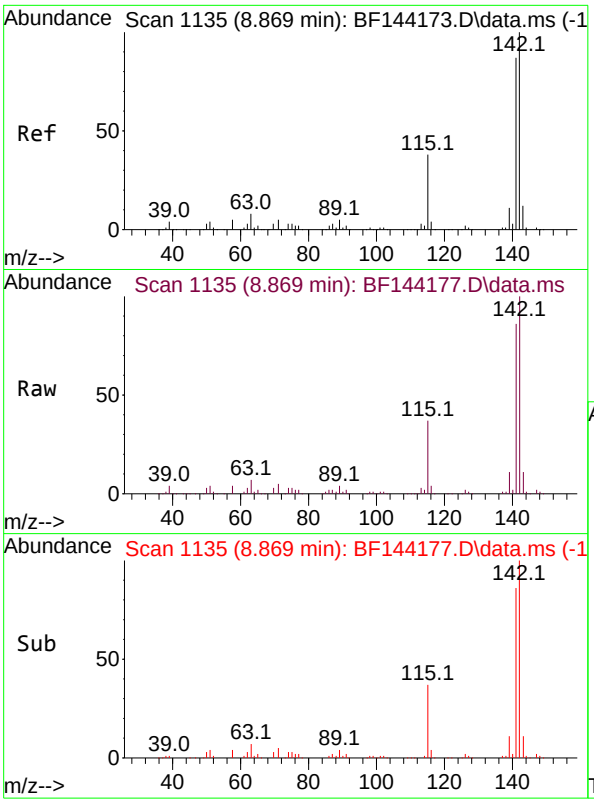


#36
4-Chloro-3-methylphenol
Concen: 34.336 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:107 Resp: 130667

Ion	Ratio	Lower	Upper
107	100		
144	27.5	23.3	34.9
142	78.3	63.8	95.6





#37
2-Methylnaphthalene
Concen: 31.978 ng
RT: 8.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:142 Resp: 26863

Ion	Ratio	Lower	Upper
142	100		
141	86.3	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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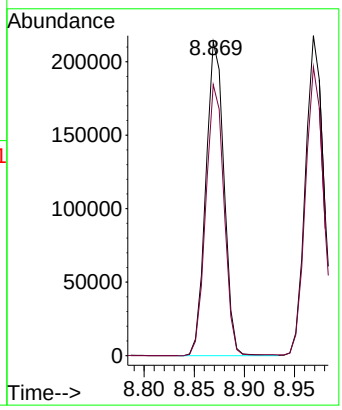
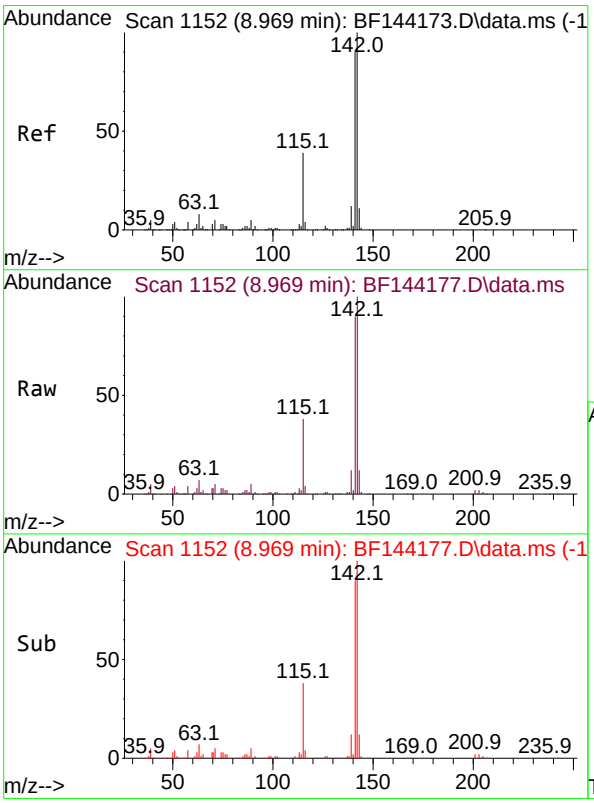
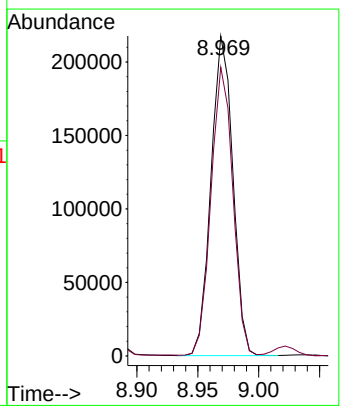


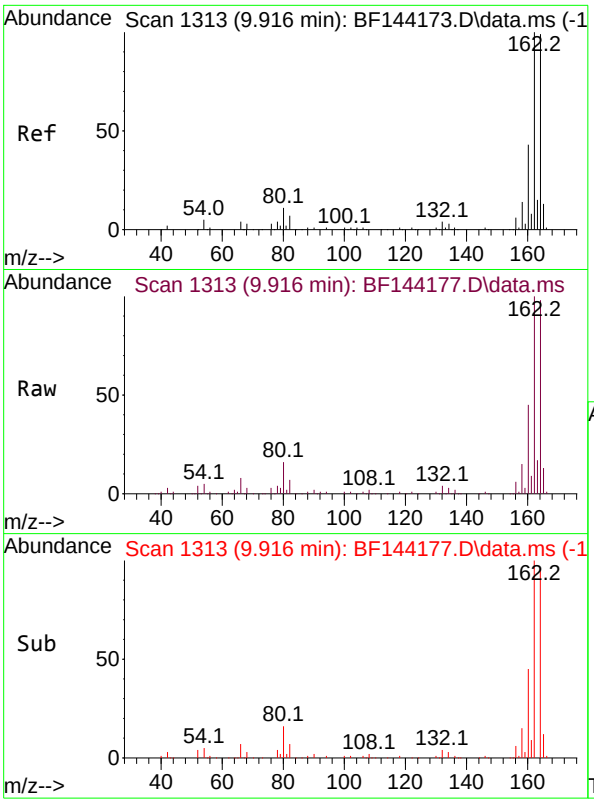


#38
1-Methylnaphthalene
Concen: 33.472 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:142 Resp: 271310

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.1	108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:164 Resp: 14380

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.1	121.7
160	45.3	34.5	51.7

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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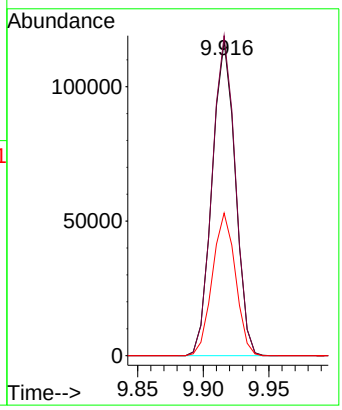
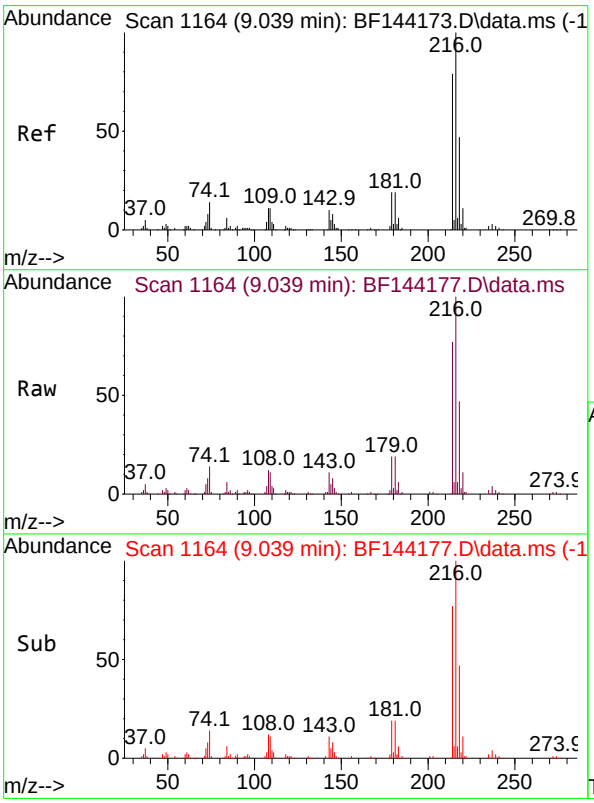
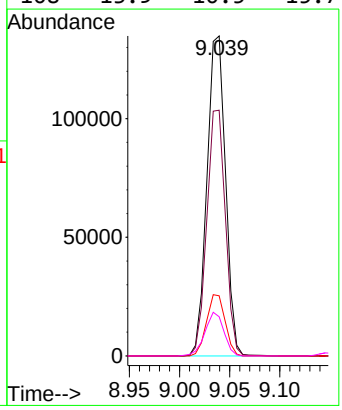


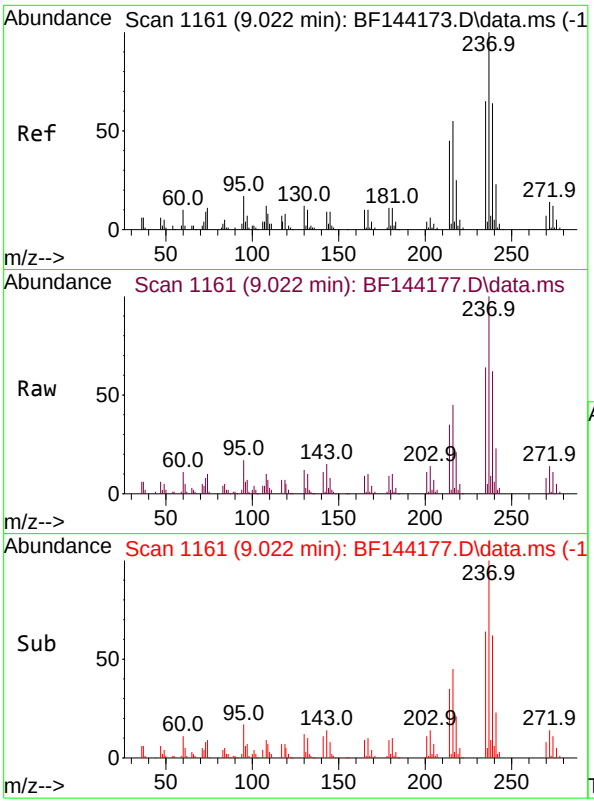


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.811 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:216 Resp: 173491

Ion	Ratio	Lower	Upper
216	100		
214	76.8	63.4	95.2
179	19.1	15.0	22.4
108	13.9	10.5	15.7





#41
Hexachlorocyclopentadiene
Concen: 46.350 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:237 Resp: 6998

Ion	Ratio	Lower	Upper
237	100		
235	63.7	45.5	85.5
272	14.0	0.0	33.5

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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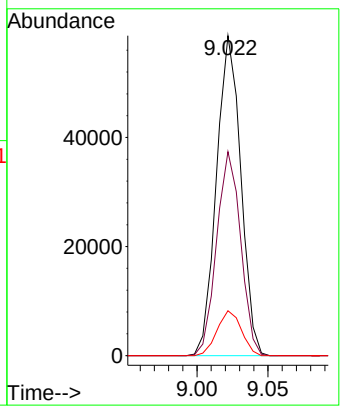
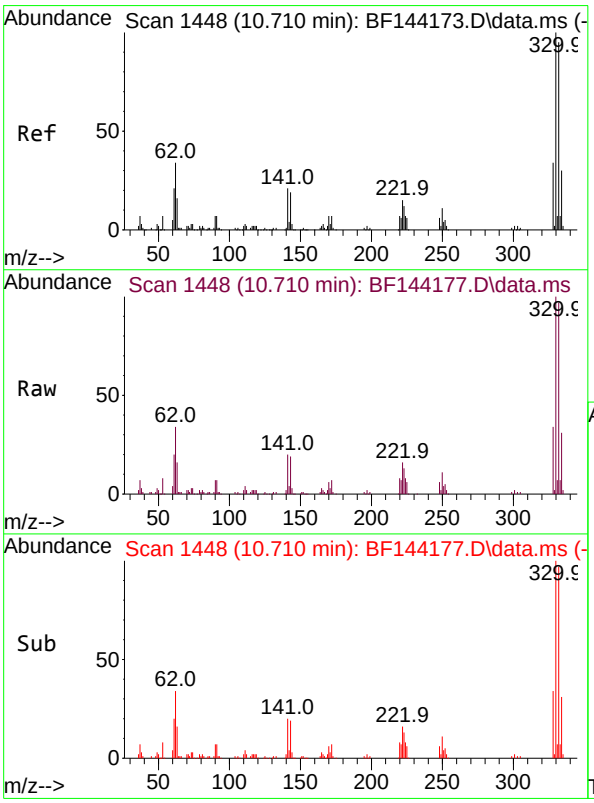
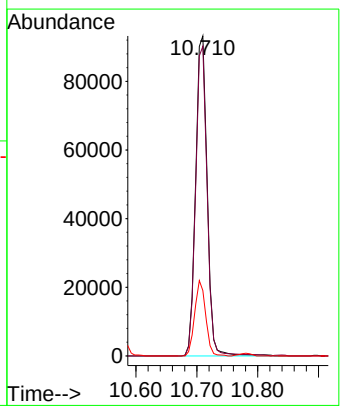


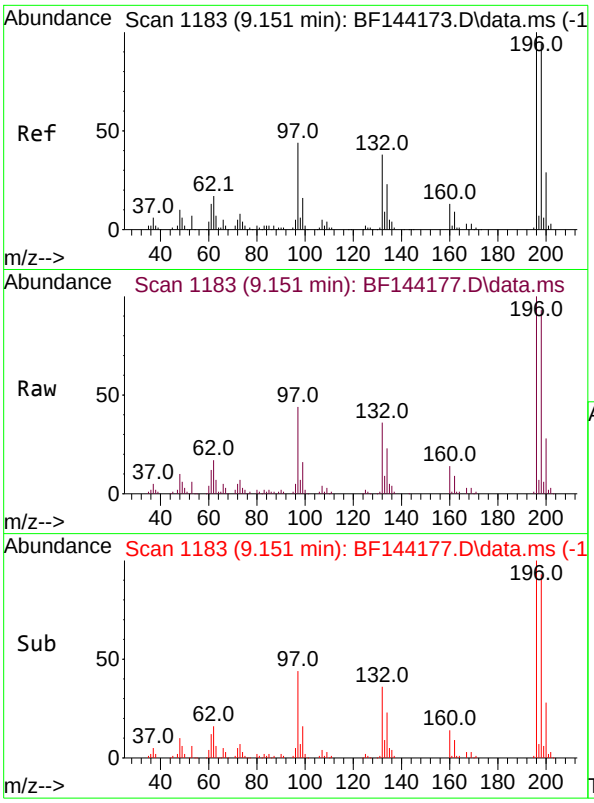


#42
2,4,6-Tribromophenol
Concen: 67.987 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:330 Resp: 122691

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.7	115.1
141	22.4	17.8	26.8





#43
2,4,6-Trichlorophenol
Concen: 35.357 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:196 Resp: 113418

Ion	Ratio	Lower	Upper
196	100		
198	93.2	75.3	112.9
200	28.2	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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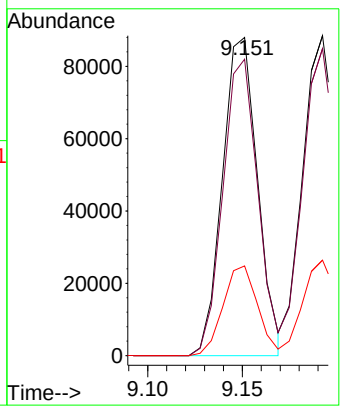
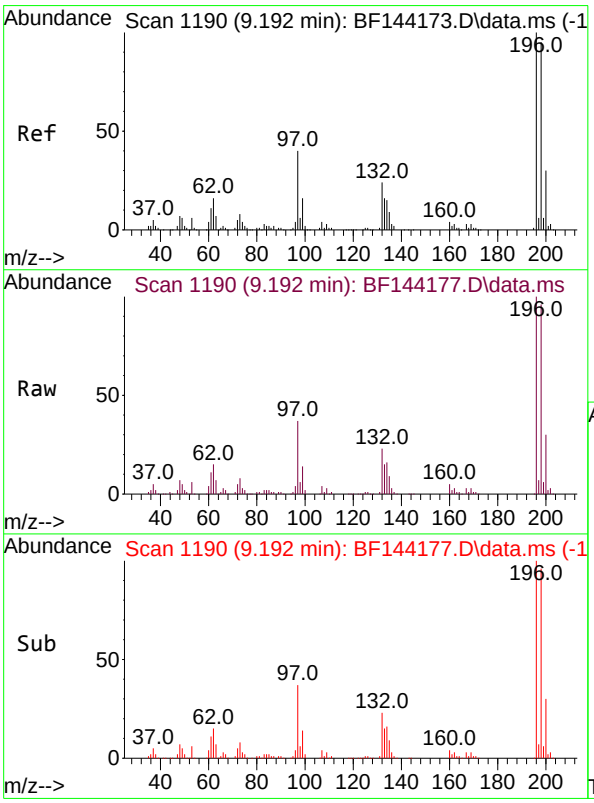
Supervised By :Jagrut Upadhyay 11/06/2025

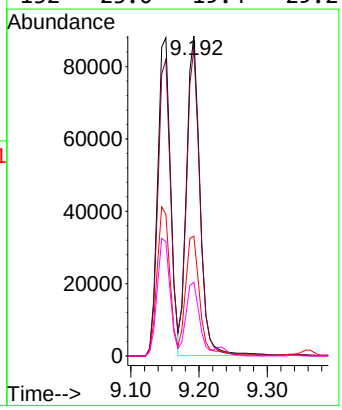


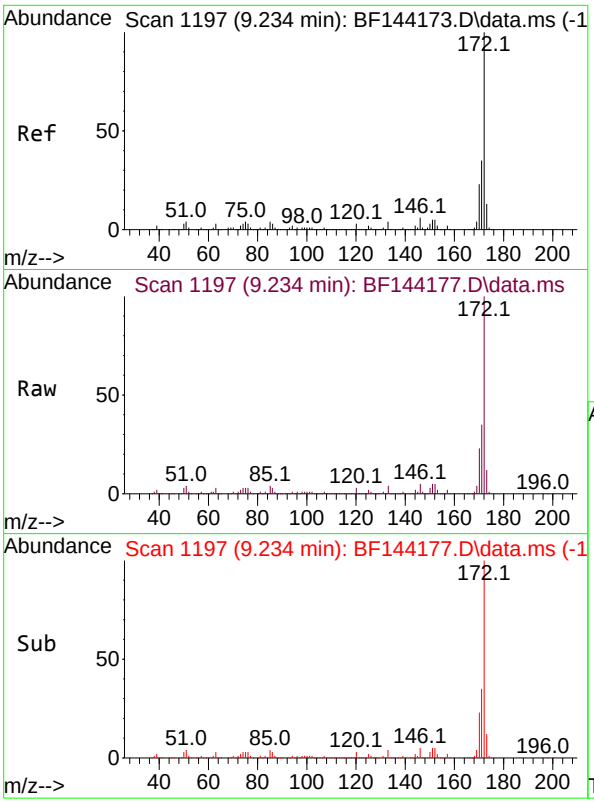


#44
2,4,5-Trichlorophenol
Concen: 35.179 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:196 Resp: 121621

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.1	114.1
97	37.4	31.9	47.9
132	23.0	19.4	29.2





#45
2-Fluorobiphenyl
Concen: 69.741 ng
RT: 9.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:172 Resp: 67905

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.1	42.1
170	22.8	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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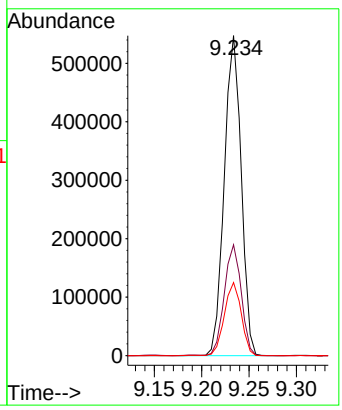
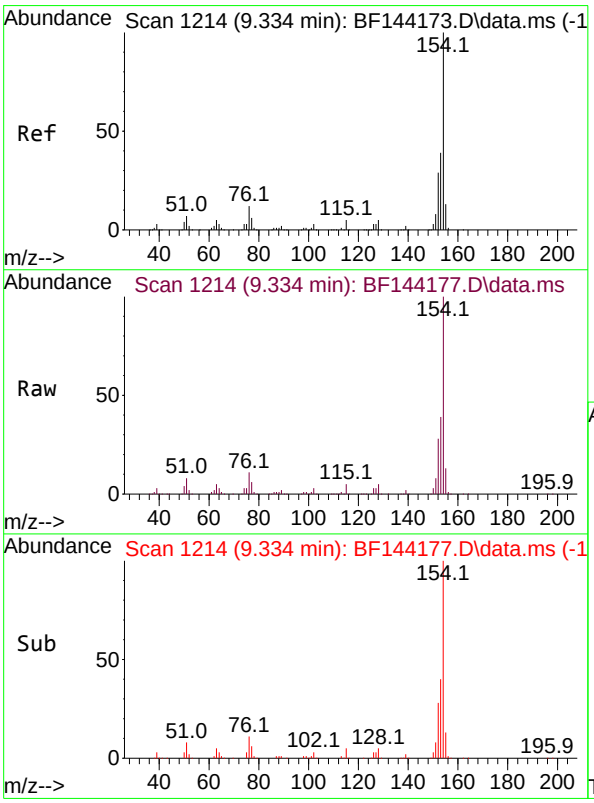
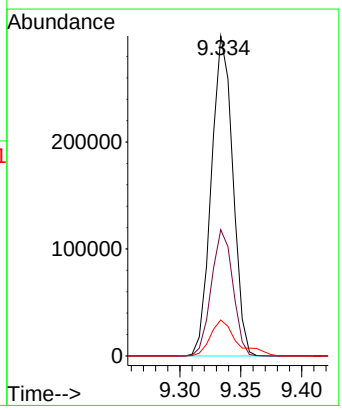


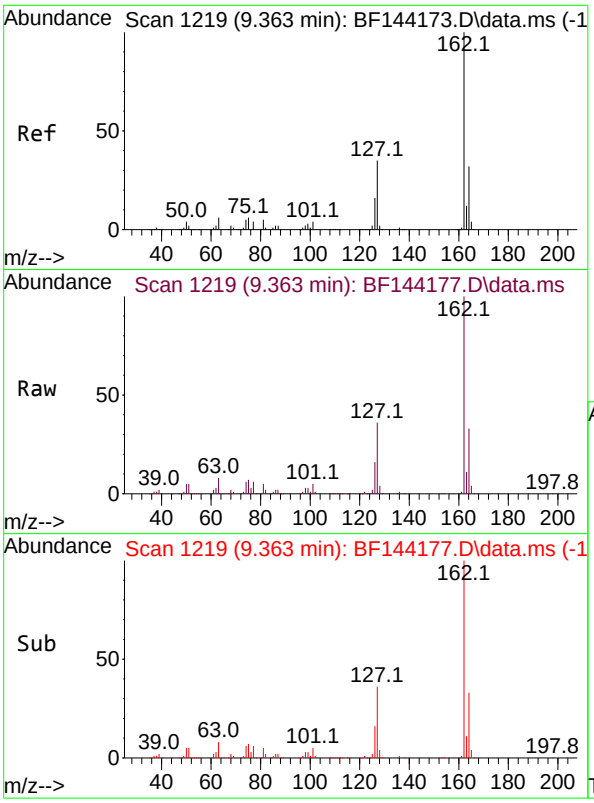


#46
1,1'-Biphenyl
Concen: 36.526 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:154 Resp: 366655

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.2	59.2
76	11.2	0.0	31.8





#47
2-Chloronaphthalene
Concen: 35.092 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:162 Resp: 30048

Ion	Ratio	Lower	Upper
162	100		
127	35.5	28.8	43.2
164	32.8	25.8	38.8

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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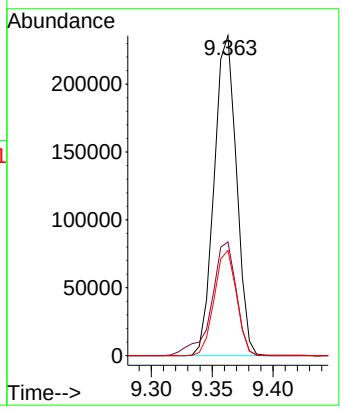
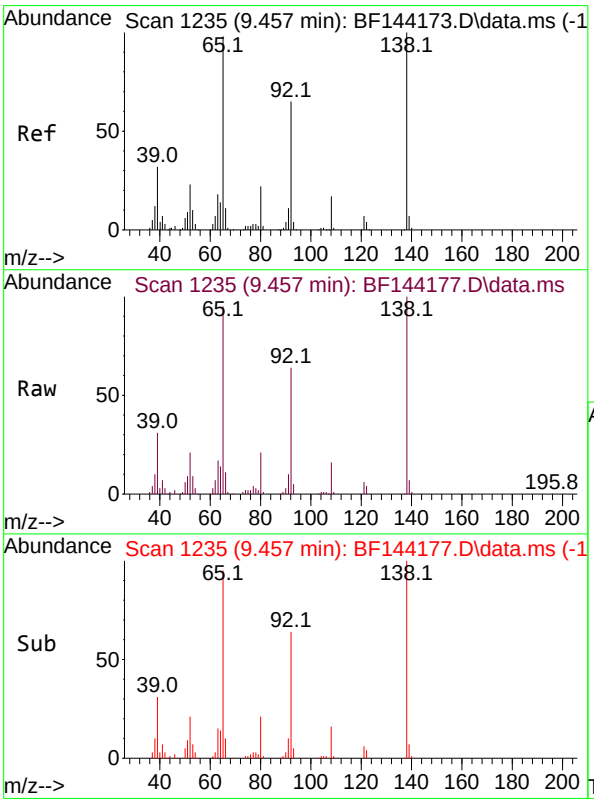
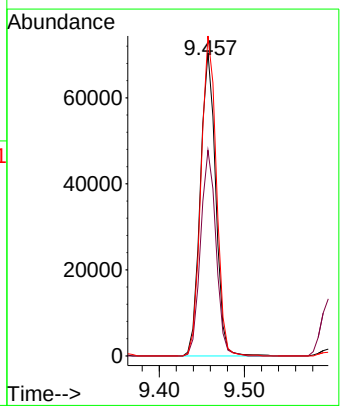


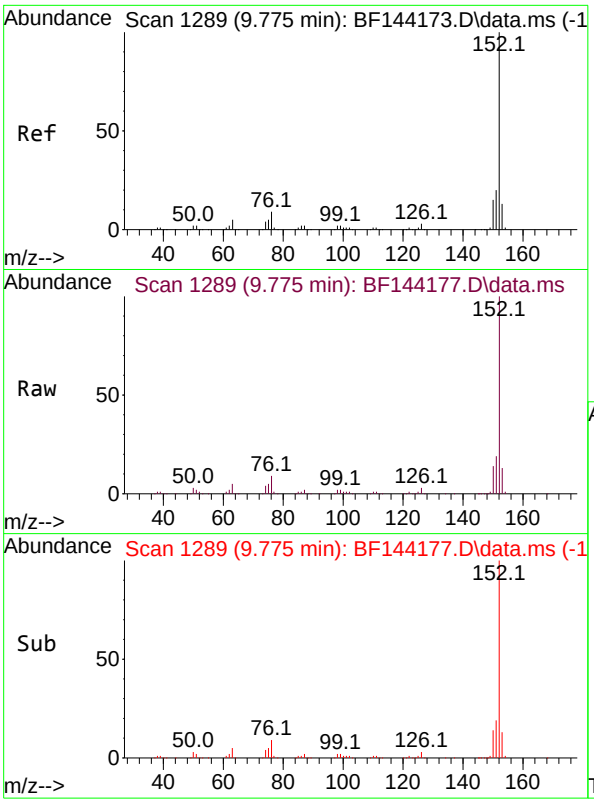


#48
2-Nitroaniline
Concen: 35.641 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 65 Resp: 88055

Ion	Ratio	Lower	Upper
65	100		
92	67.8	53.0	79.6
138	105.5	81.6	122.4





#49
Acenaphthylene
Concen: 39.818 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:152 Resp: 46461

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9
153	13.1	10.5	15.7

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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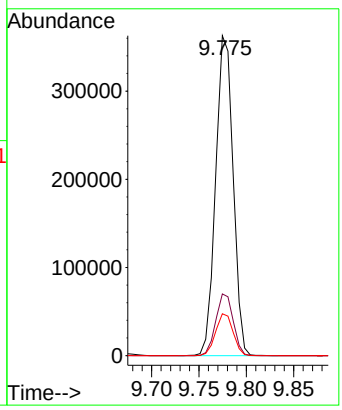
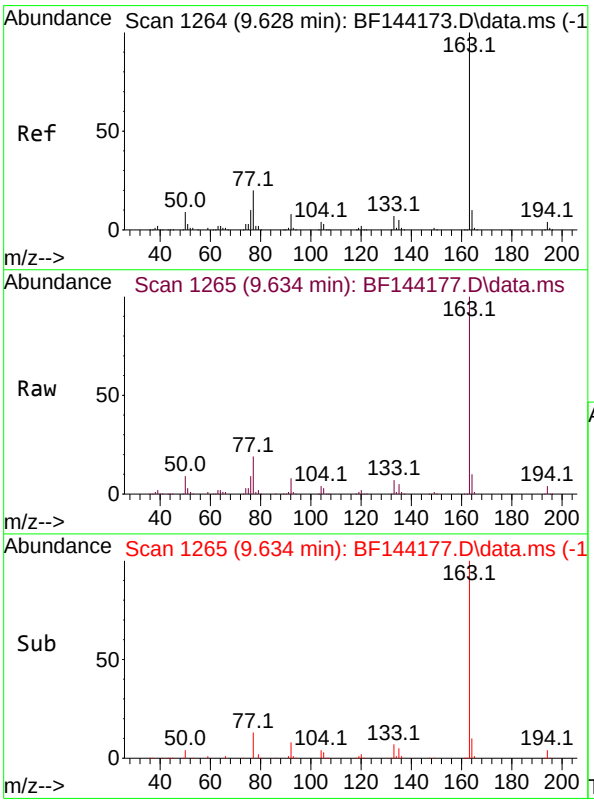
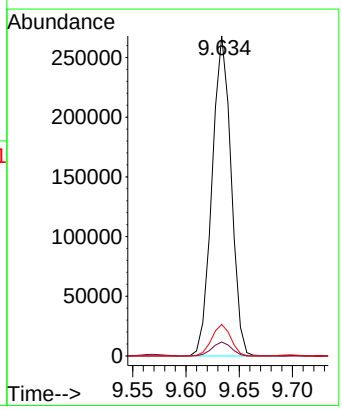


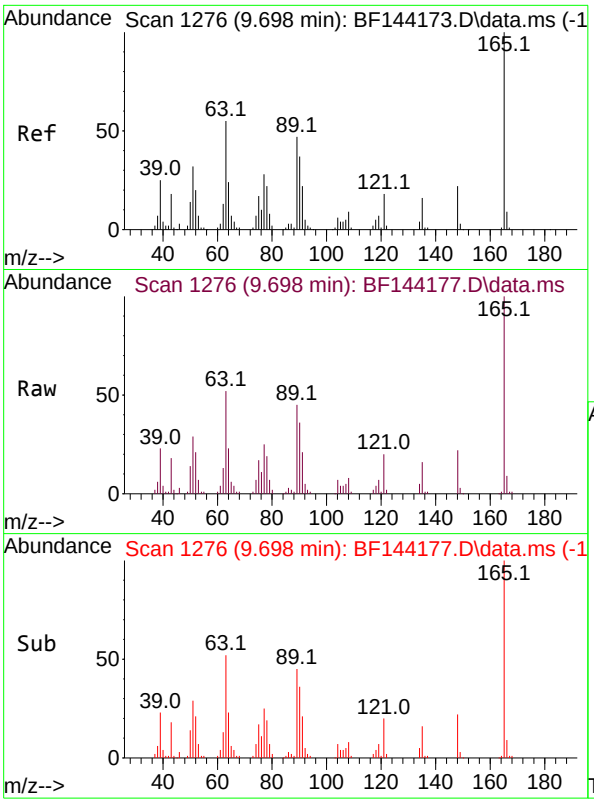


#50
Dimethylphthalate
Concen: 35.076 ng
RT: 9.634 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:163 Resp: 334163

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	9.8	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 36.758 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:165 Resp: 7089

Ion	Ratio	Lower	Upper
165	100		
63	52.3	43.8	65.8
89	45.1	37.5	56.3

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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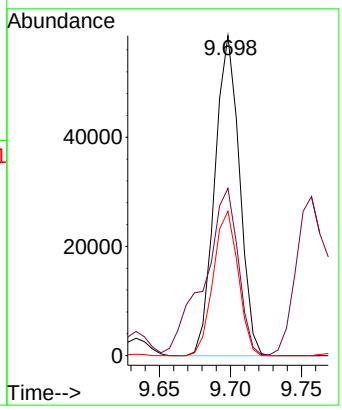
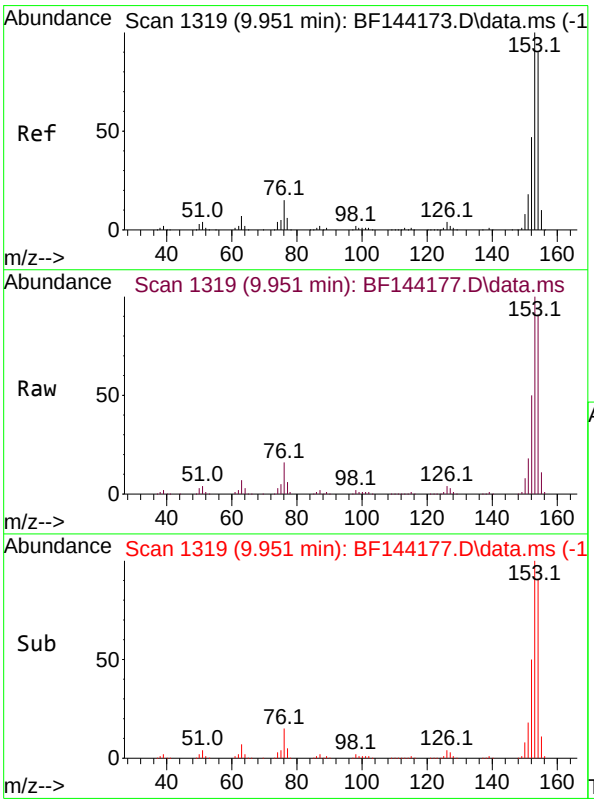
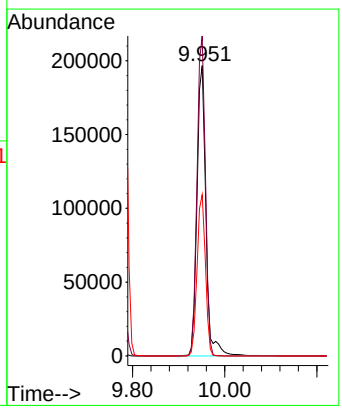


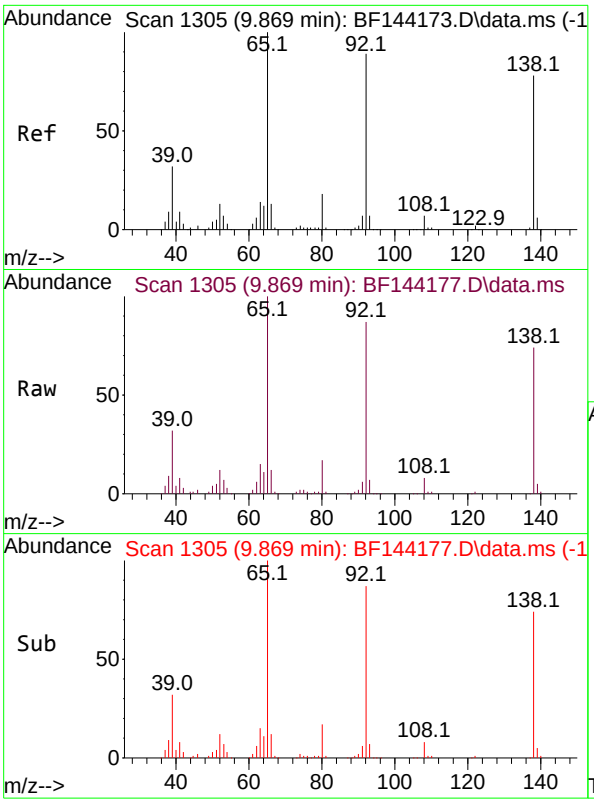


#52
Acenaphthene
Concen: 33.702 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:154 Resp: 262974

Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.0	133.4
152	55.5	42.2	63.4





#53
3-Nitroaniline
Concen: 35.372 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:138 Resp: 7457

Ion	Ratio	Lower	Upper
138	100		
108	10.9	7.5	11.3
92	116.8	91.8	137.6

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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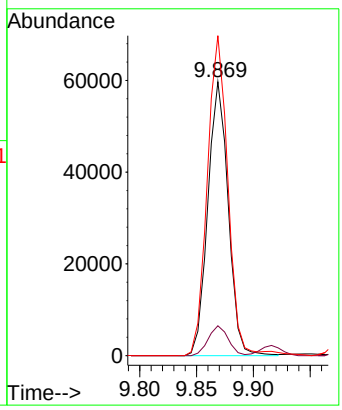
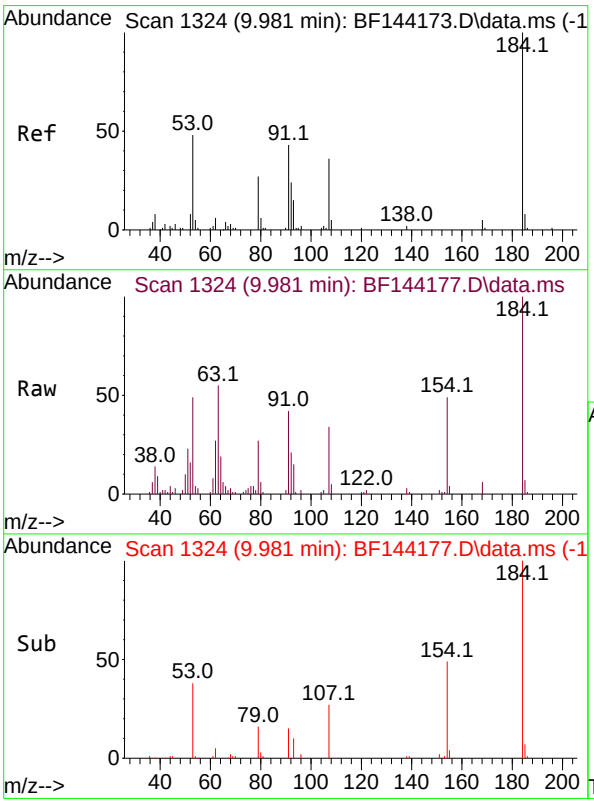
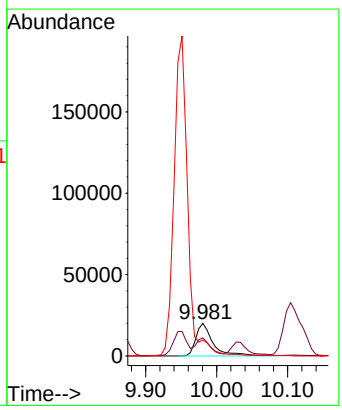


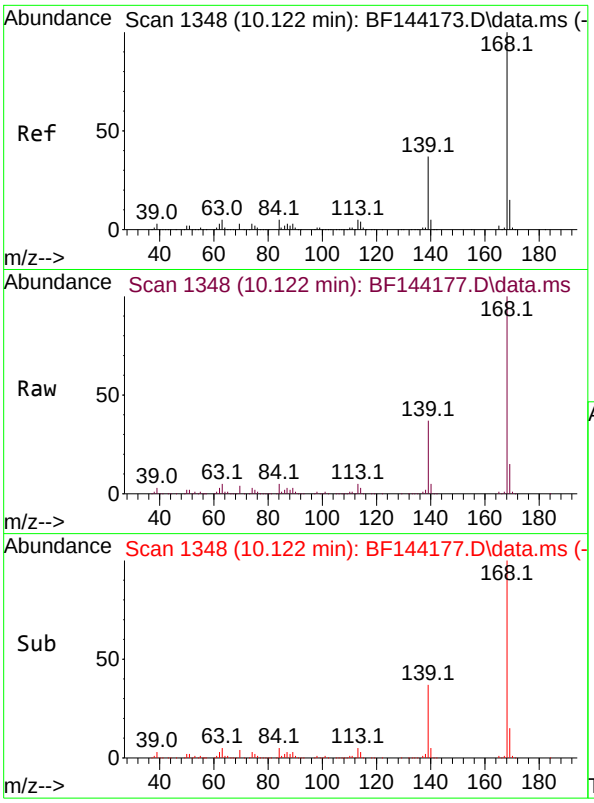


#54
2,4-Dinitrophenol
Concen: 28.732 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:184 Resp: 33460

Ion	Ratio	Lower	Upper
184	100		
63	55.3	44.0	66.0
154	48.9	42.4	63.6





#55
Dibenzofuran
Concen: 35.602 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:168 Resp: 38907

Ion	Ratio	Lower	Upper
168	100		
139	37.1	30.2	45.2
169	14.6	12.2	18.4

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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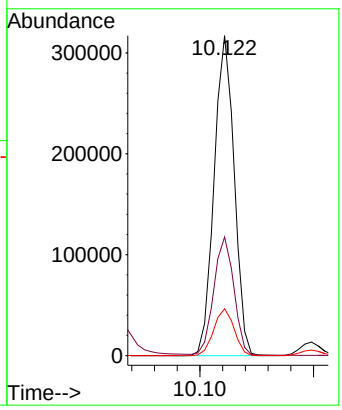
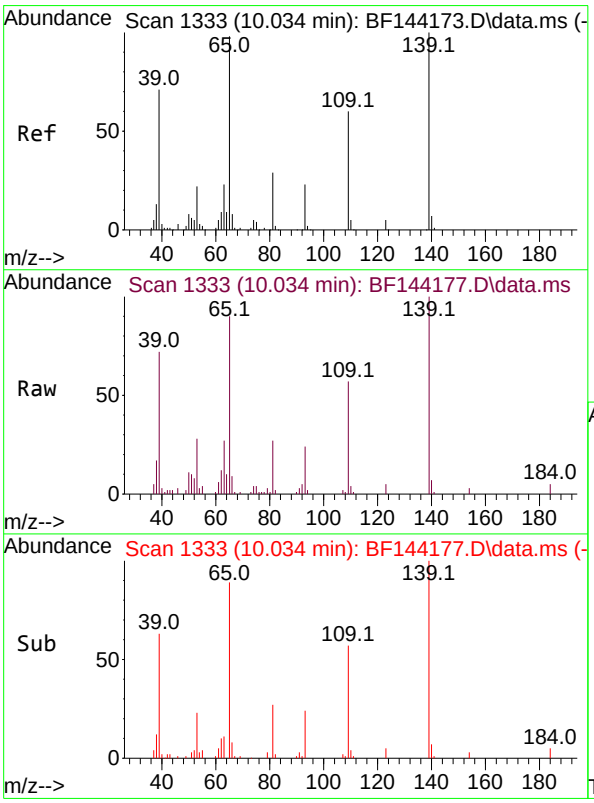
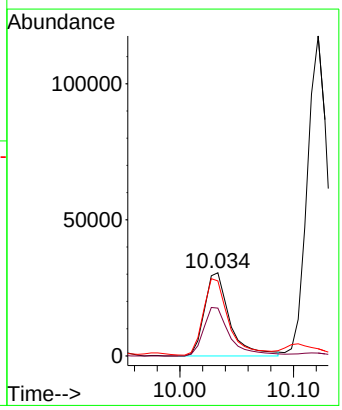


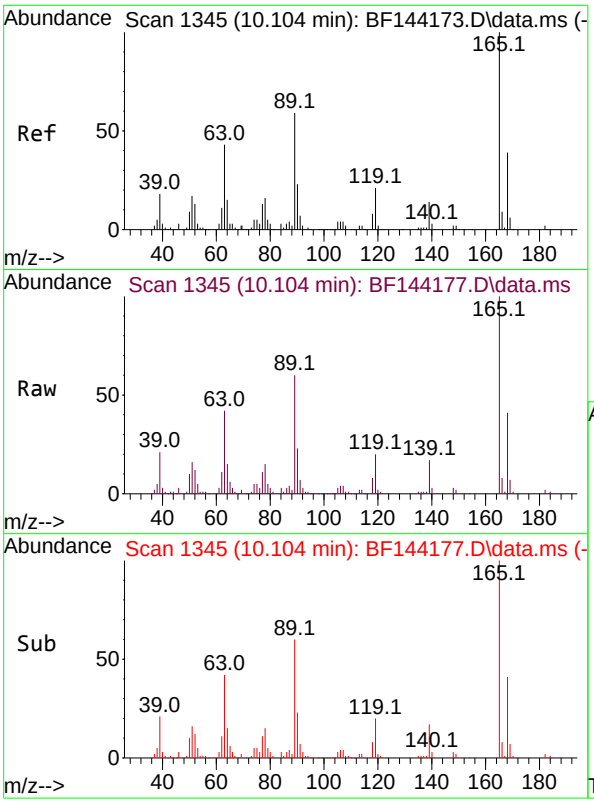


#56
4-Nitrophenol
Concen: 30.929 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:139 Resp: 47167

Ion	Ratio	Lower	Upper
139	100		
109	57.5	39.9	79.9
65	90.2	79.5	119.5

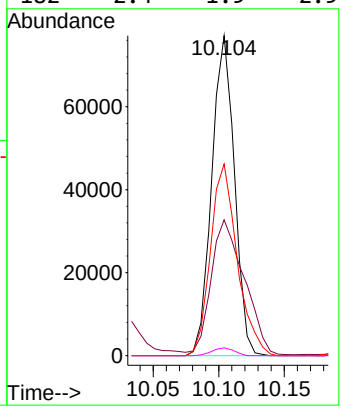




#57
2,4-Dinitrotoluene
Concen: 35.994 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:165 Resp: 9292

Ion	Ratio	Lower	Upper
165	100		
63	42.4	35.5	53.3
89	59.9	47.4	71.2
182	2.4	1.9	2.9



Instrument :
BNA_F
ClientSampleId :
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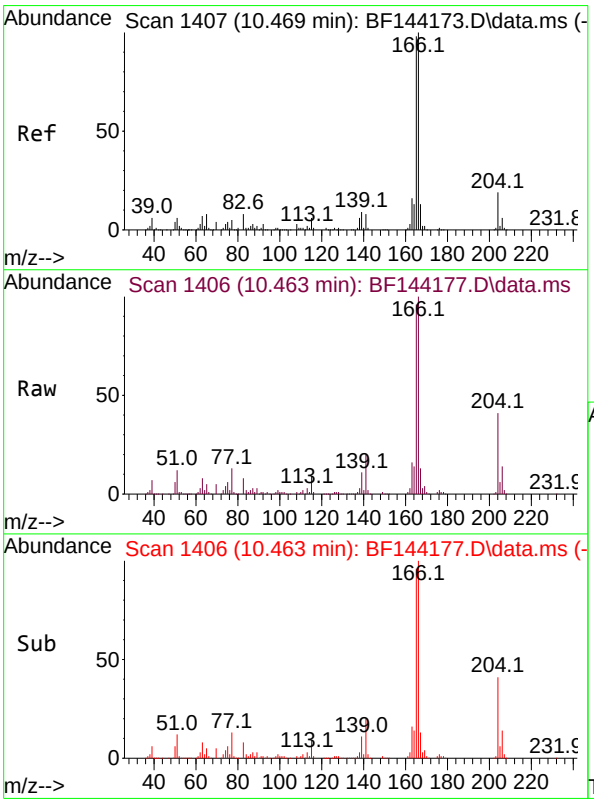
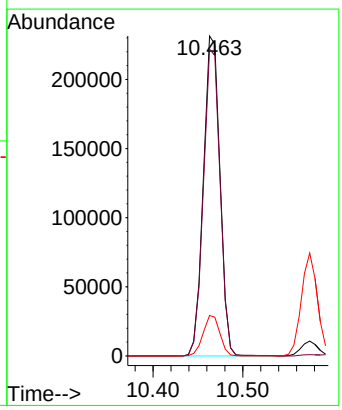
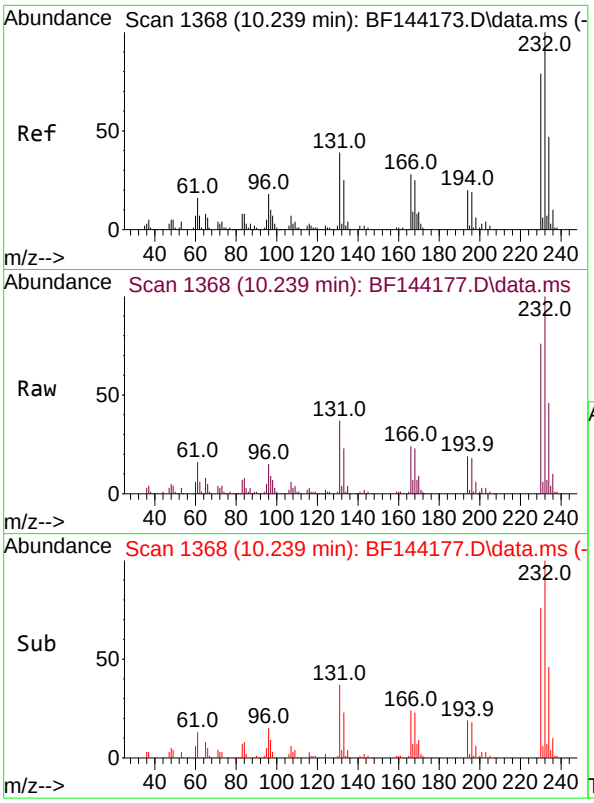


#58
Fluorene
Concen: 35.903 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:166 Resp: 298316

Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.6	118.0
167	12.6	10.4	15.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 37.425 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:232 Resp: 9154

Ion	Ratio	Lower	Upper
232	100		
131	37.7	30.3	45.5
130	1.4	1.2	1.8
166	24.6	21.5	32.3

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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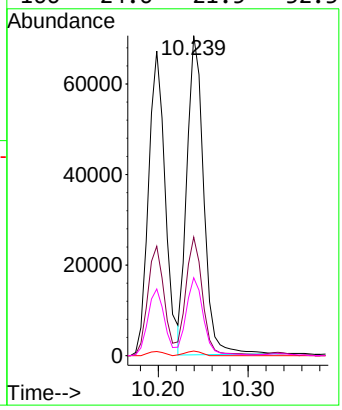
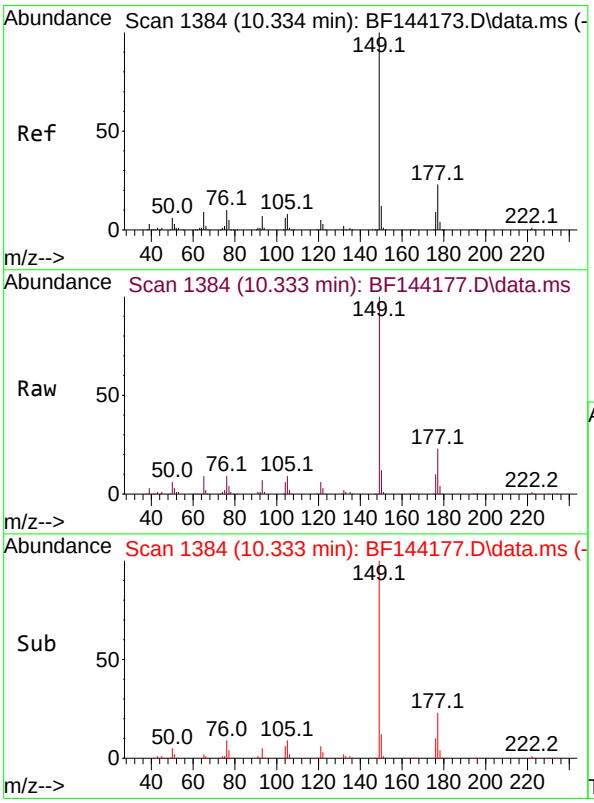
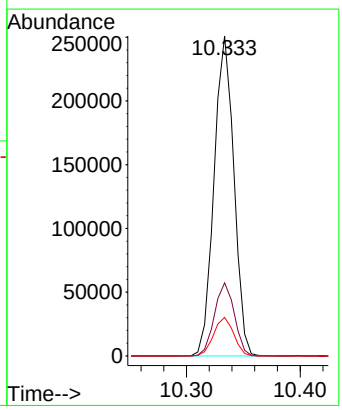


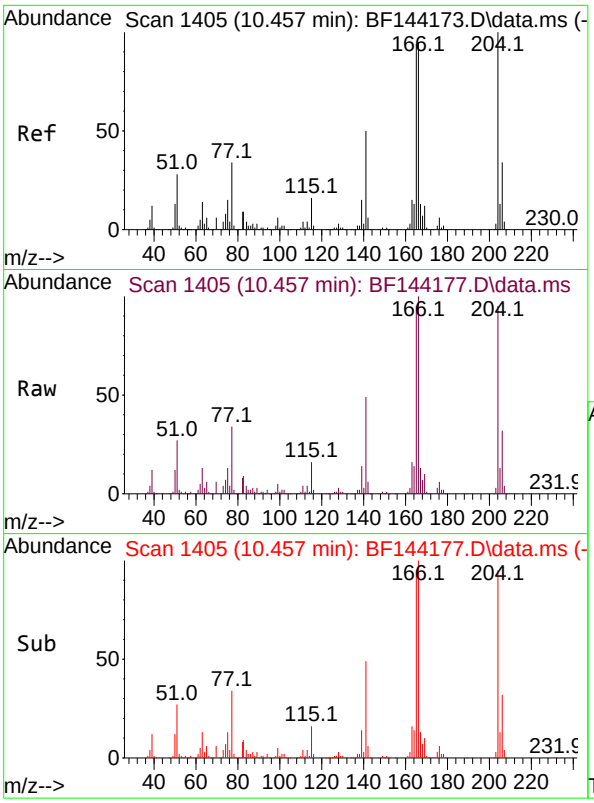


#60
Diethylphthalate
Concen: 34.646 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:149 Resp: 304274

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.3	27.5
150	12.0	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 35.002 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:204 Resp: 16566

Ion	Ratio	Lower	Upper
204	100		
206	34.3	27.4	41.2
141	51.8	40.0	60.0

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
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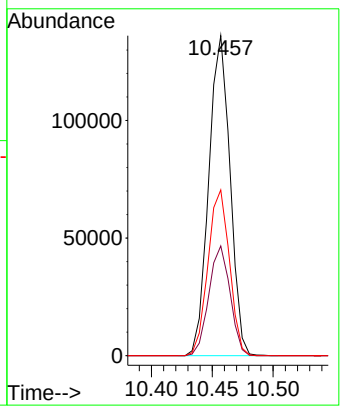
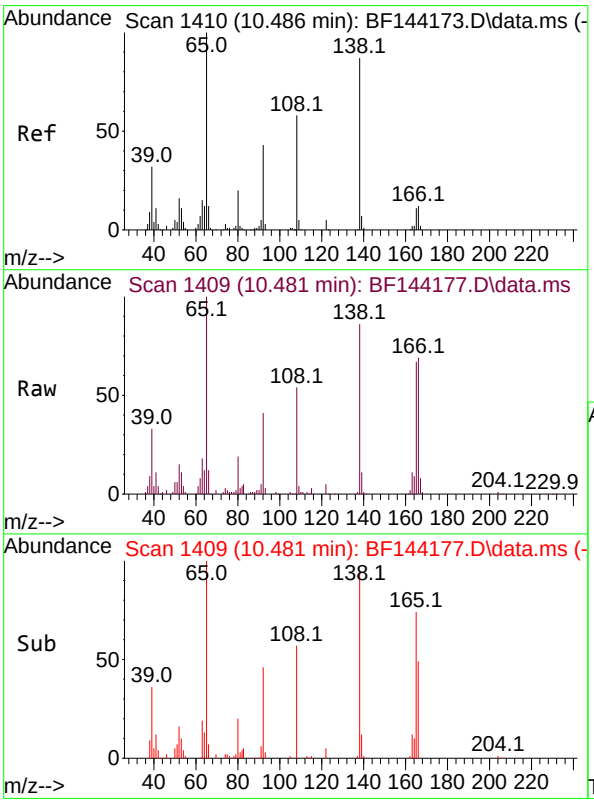
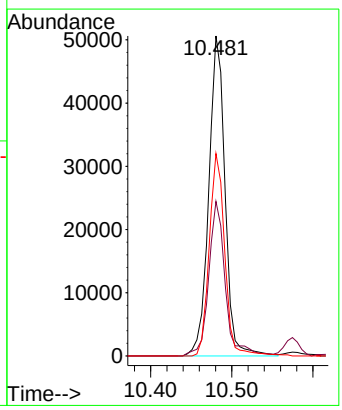


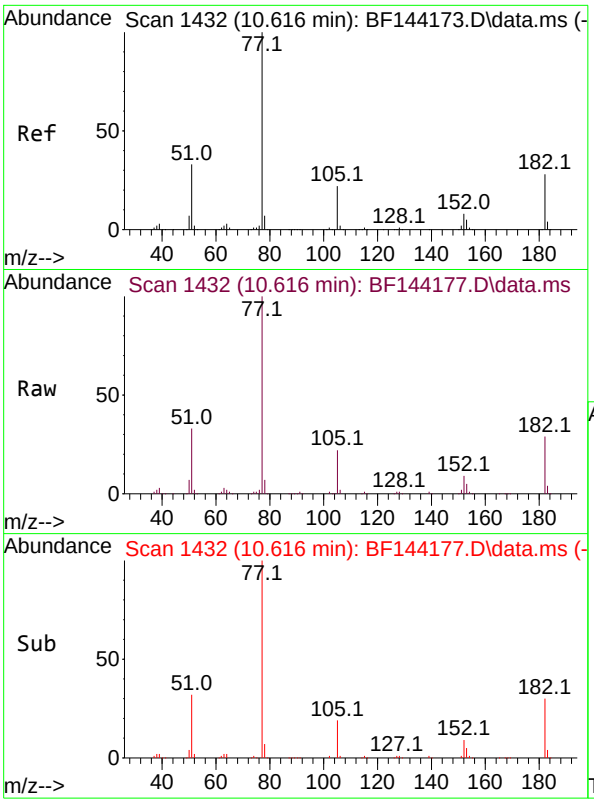


#62
4-Nitroaniline
Concen: 35.278 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.018 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:138 Resp: 70828

Ion	Ratio	Lower	Upper
138	100		
92	48.3	29.4	69.4
108	63.2	46.4	86.4

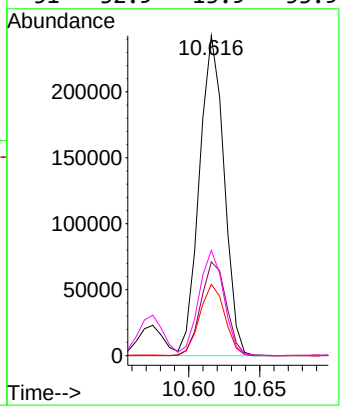




#63
Azobenzene
Concen: 35.958 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 77 Resp: 29390

Ion	Ratio	Lower	Upper
77	100		
182	29.3	8.1	48.1
105	22.3	2.0	42.0
51	32.9	13.9	53.9



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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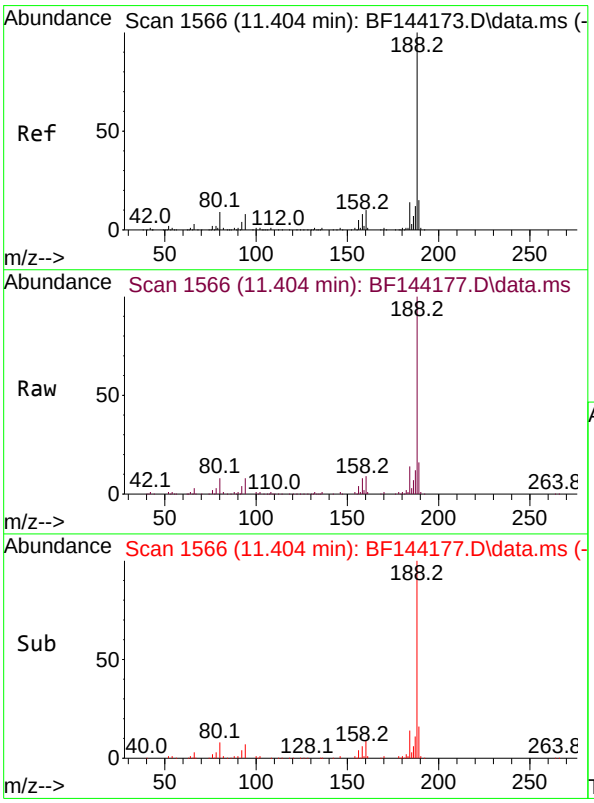
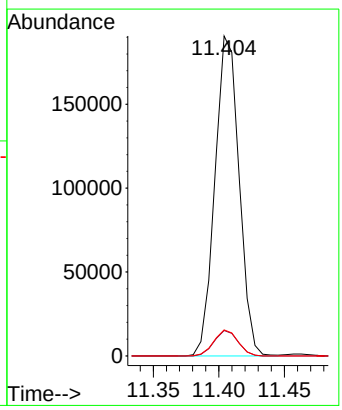
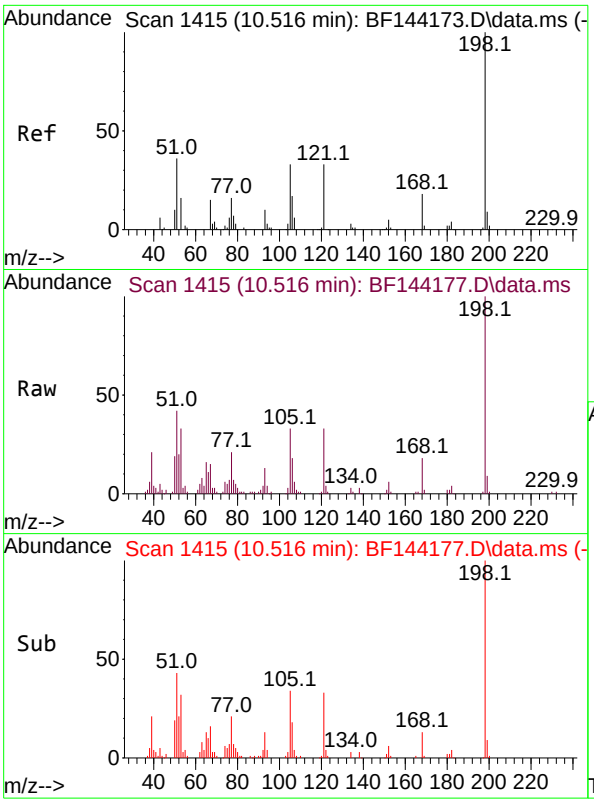


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:188 Resp: 244964

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.2	9.2
80	8.1	6.9	10.3





#65
4,6-Dinitro-2-methylphenol
Concen: 31.346 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:198 Resp: 52164

Ion	Ratio	Lower	Upper
198	100		
51	42.3	25.6	65.6
105	33.1	14.6	54.6

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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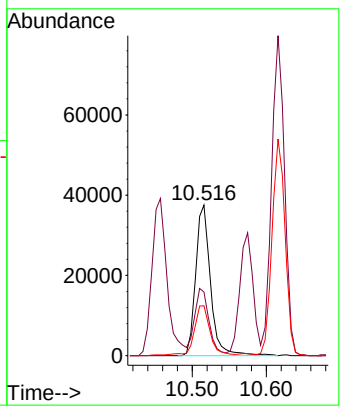
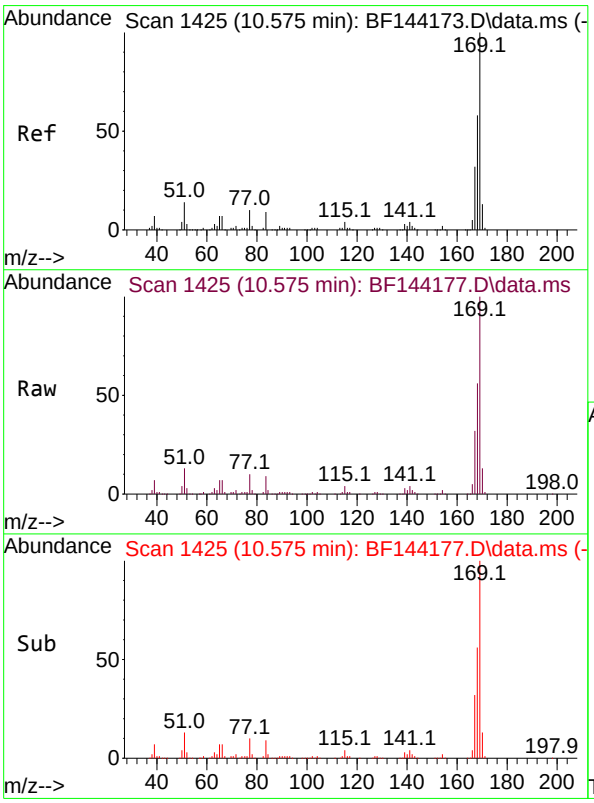
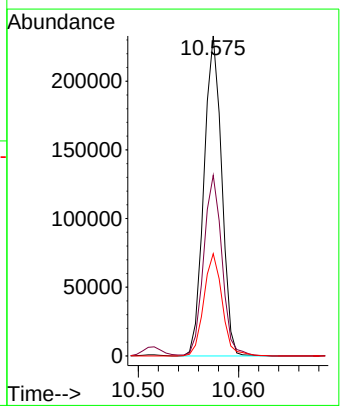


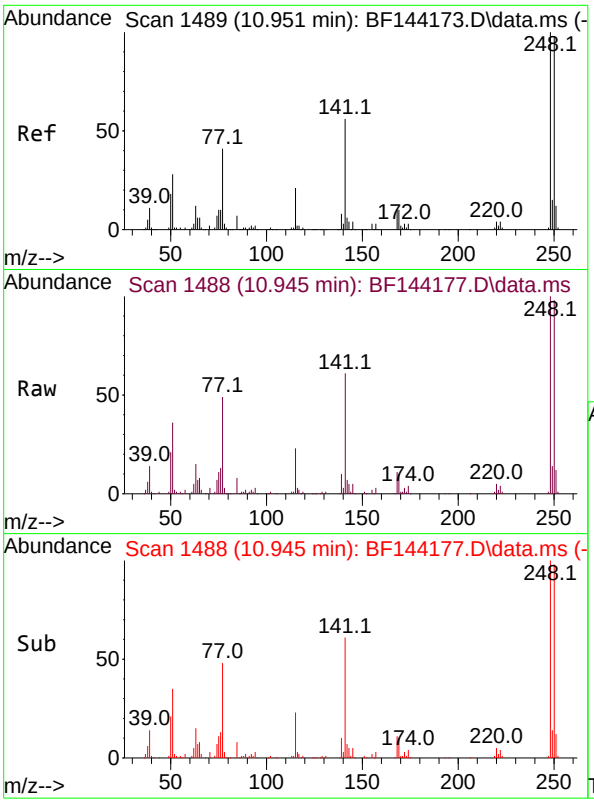


#66
n-Nitrosodiphenylamine
Concen: 36.292 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:169 Resp: 285930

Ion	Ratio	Lower	Upper
169	100		
168	56.4	46.2	69.2
167	31.9	25.7	38.5





#67
4-Bromophenyl-phenylether
Concen: 34.135 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:248 Resp: 106730

Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.4	117.6
141	61.1	45.1	67.7

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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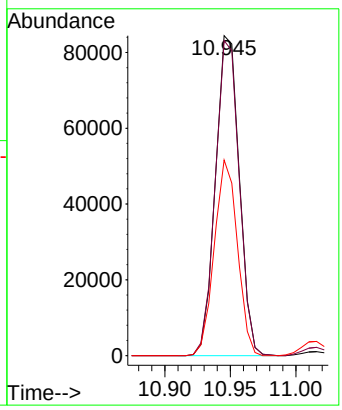
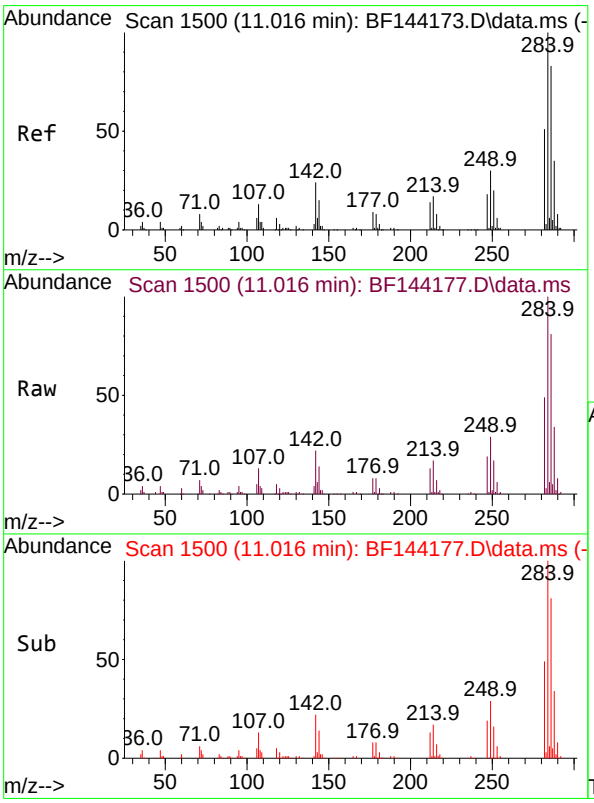
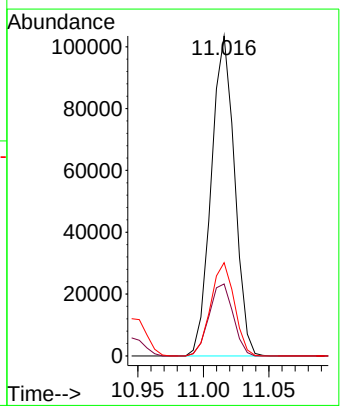


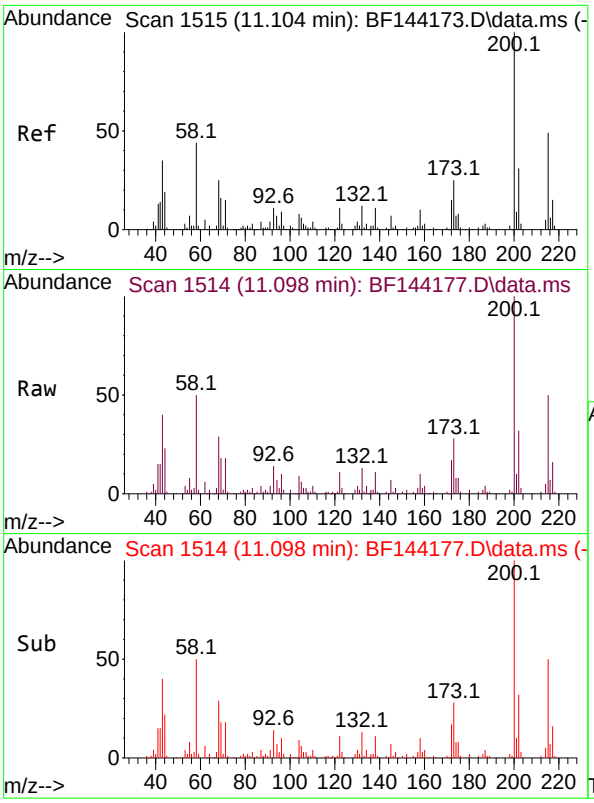


#68
Hexachlorobenzene
Concen: 34.810 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:284 Resp: 128202

Ion	Ratio	Lower	Upper
284	100		
142	22.5	19.2	28.8
249	29.1	23.8	35.8





#69
Atrazine
Concen: 36.790 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:200 Resp: 9218

Ion	Ratio	Lower	Upper
200	100		
173	27.7	5.0	45.0
215	50.2	28.7	68.7

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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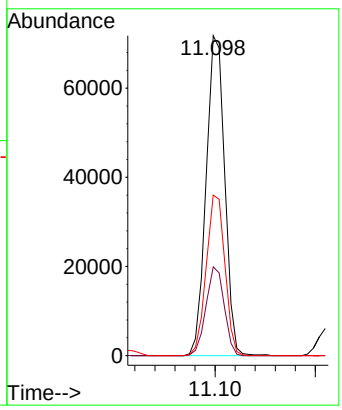
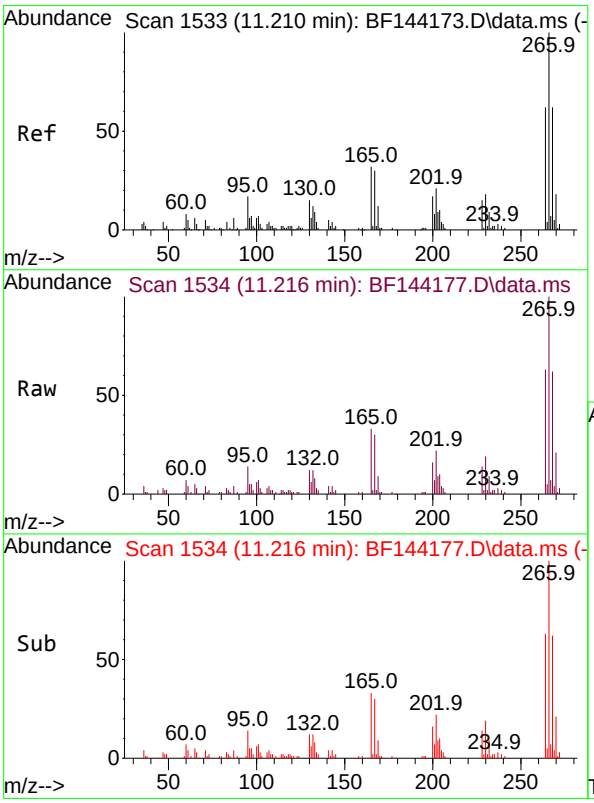
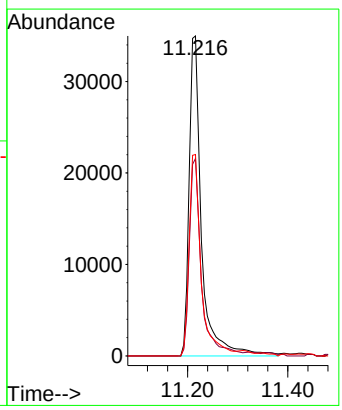


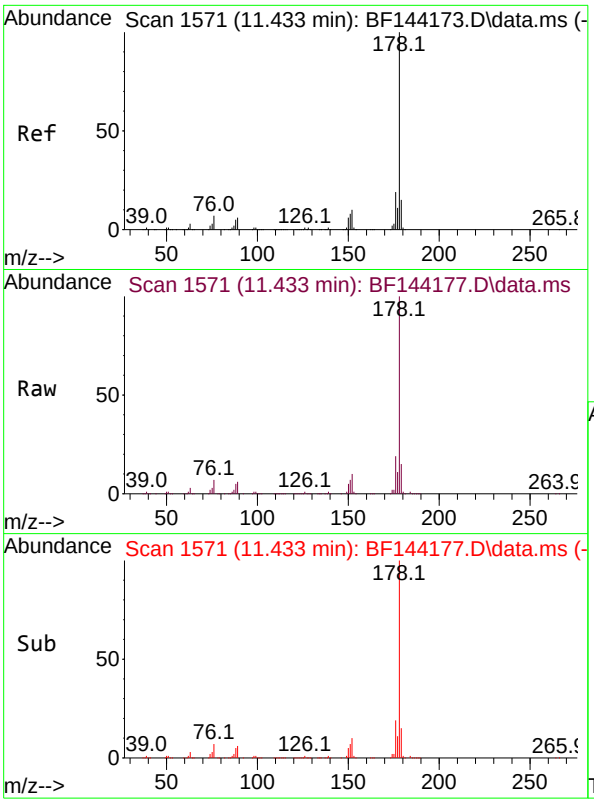


#70
Pentachlorophenol
Concen: 32.706 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:266 Resp: 59981

Ion	Ratio	Lower	Upper
266	100		
268	61.7	49.5	74.3
264	62.9	49.4	74.2





#71
Phenanthrene
Concen: 35.049 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:178 Resp: 42746

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.0	12.2	18.4

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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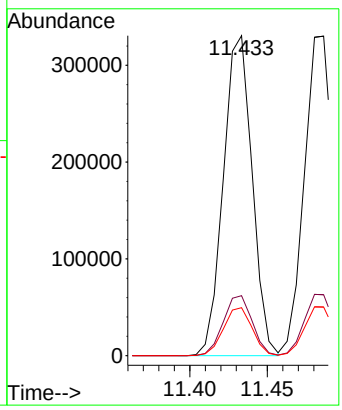
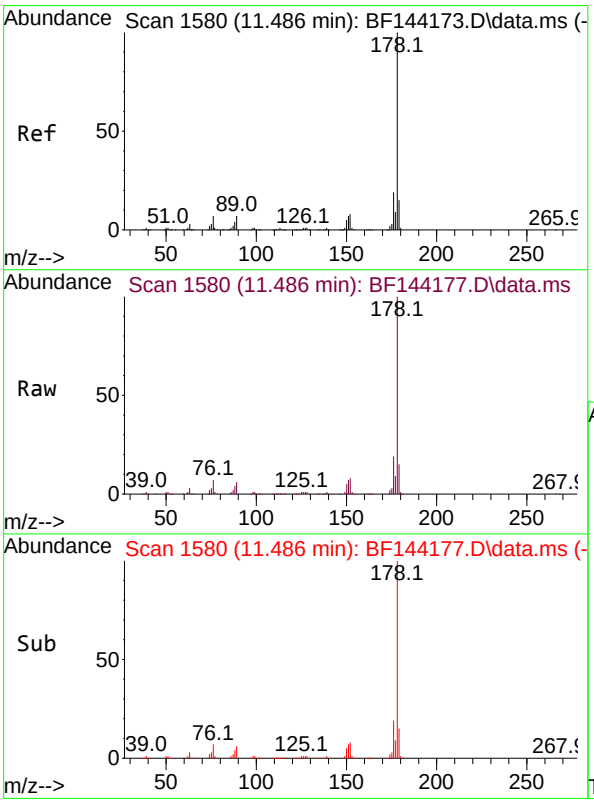
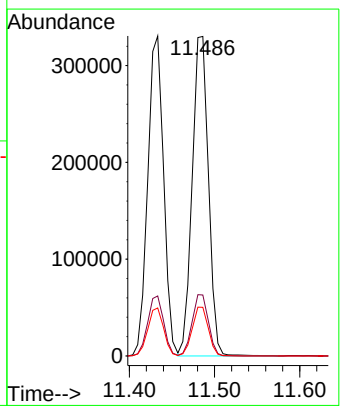


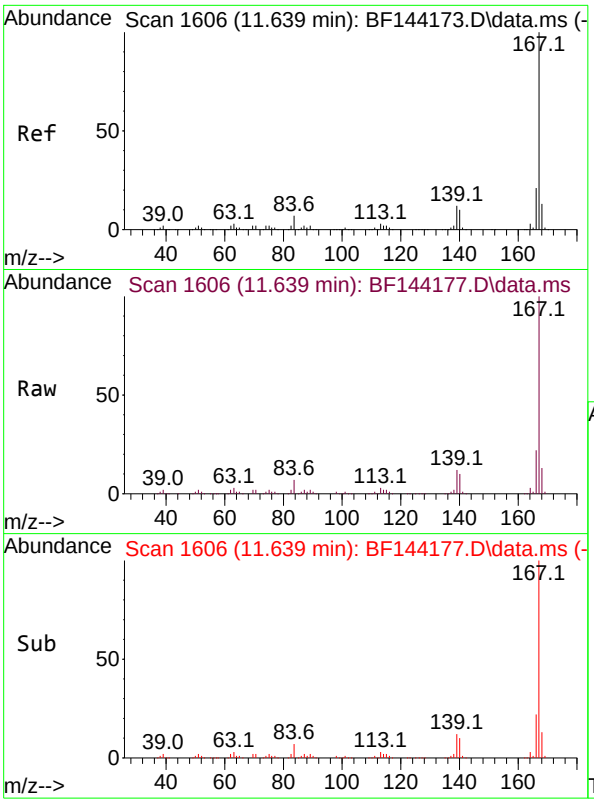


#72
Anthracene
Concen: 35.286 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:178 Resp: 437609

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.2	12.0	18.0





#73
Carbazole
Concen: 34.224 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:167 Resp: 360909

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.2	25.8
139	12.4	9.9	14.9

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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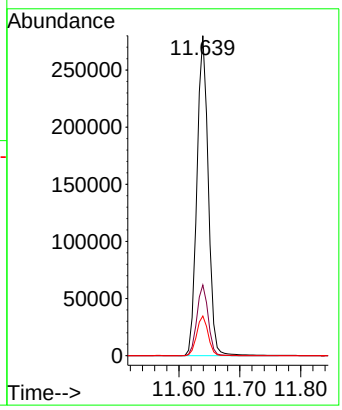
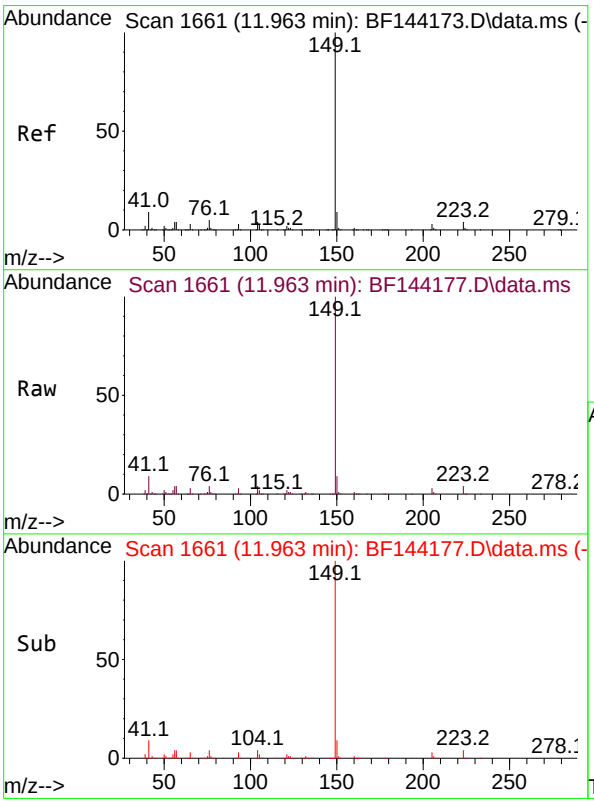
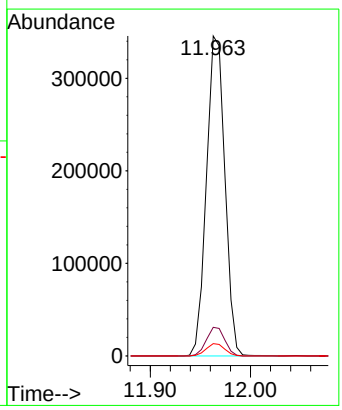


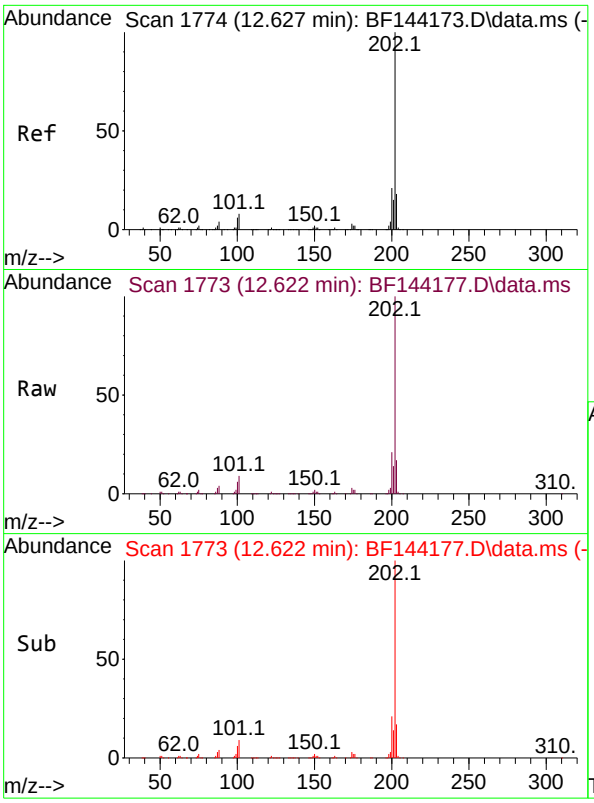


#74
Di-n-butylphthalate
Concen: 34.535 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:149 Resp: 440261

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	3.8	3.4	5.2





#75
Fluoranthene
Concen: 34.338 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:202 Resp: 43262

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	27.9
203	17.3	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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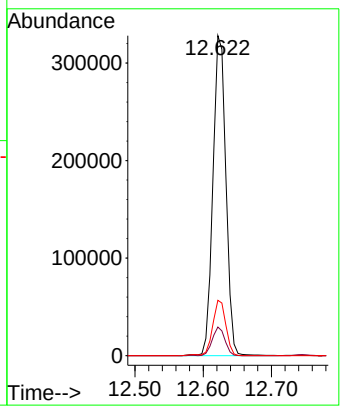
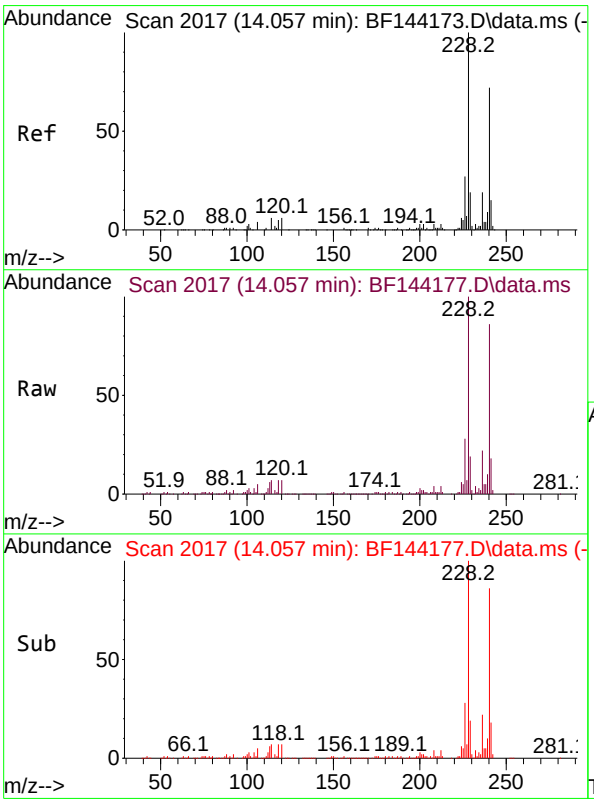
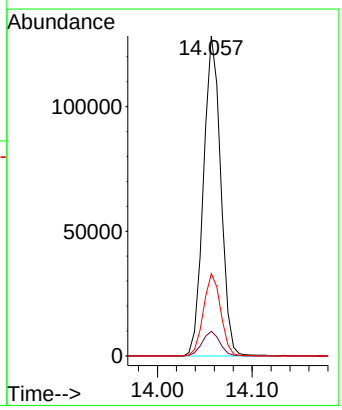


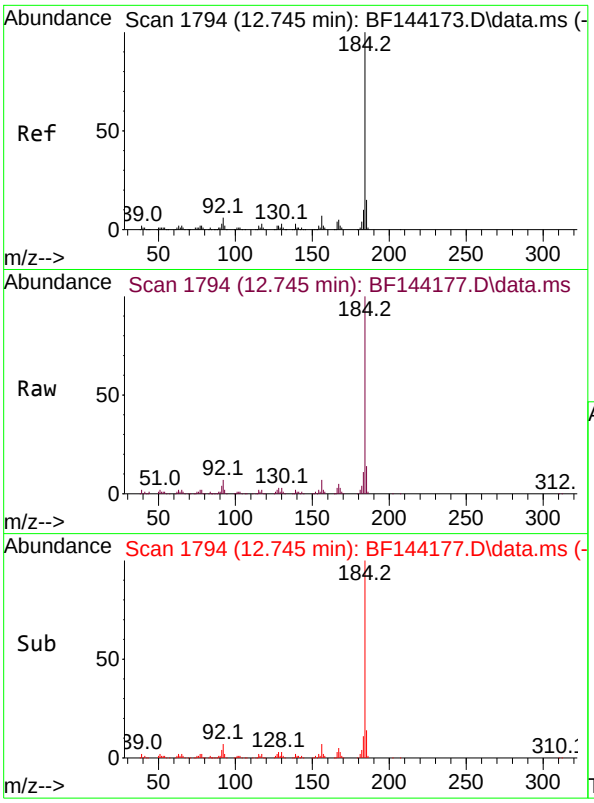


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:240 Resp: 162721

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.6	10.0
236	25.7	21.4	32.2





#77
Benzidine
Concen: 45.165 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:184 Resp: 217389

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.7	17.5
183	11.2	8.3	12.5

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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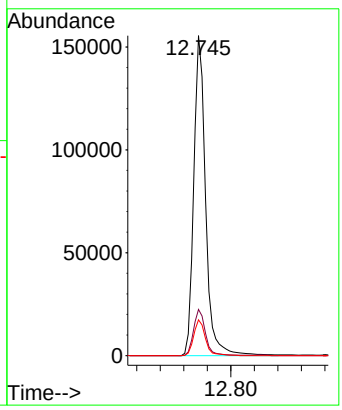
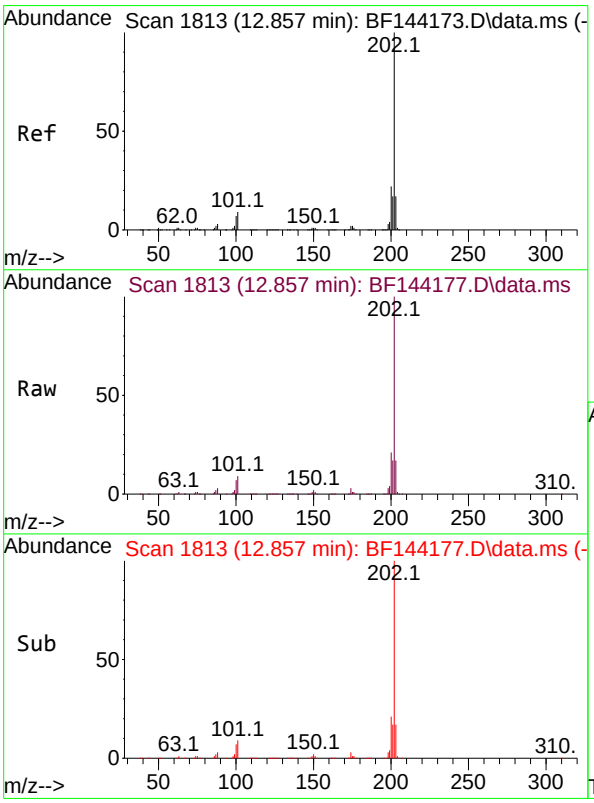
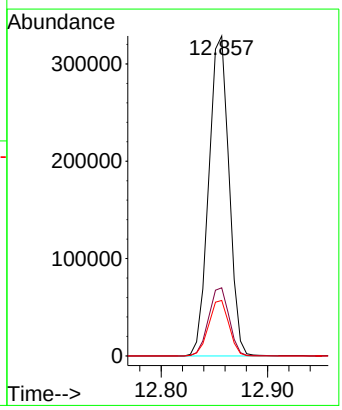


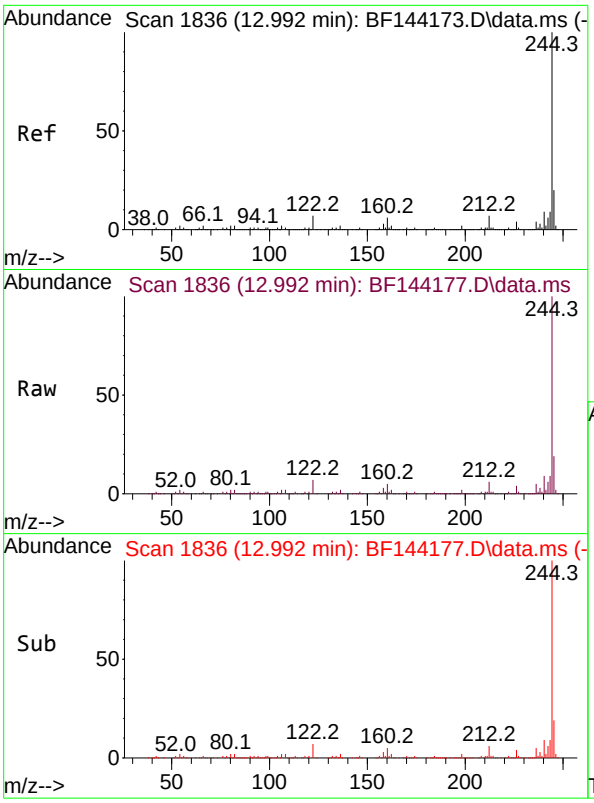


#78
Pyrene
Concen: 33.011 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:202 Resp: 433110

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.3	13.7	20.5





#79
Terphenyl-d14
Concen: 67.318 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:244 Resp: 68962

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.3	7.9
122	7.2	5.6	8.4

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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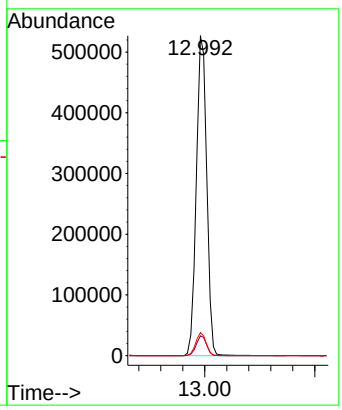
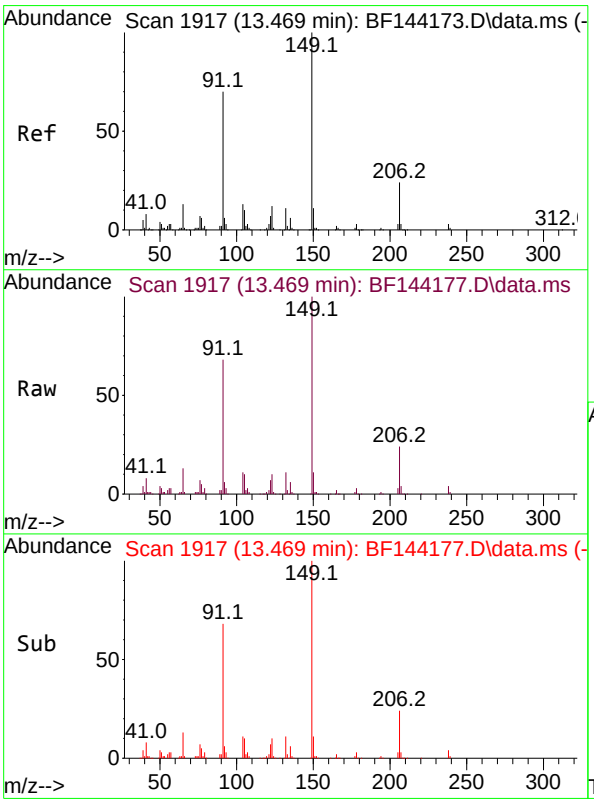
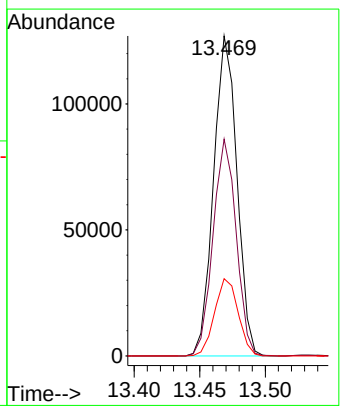


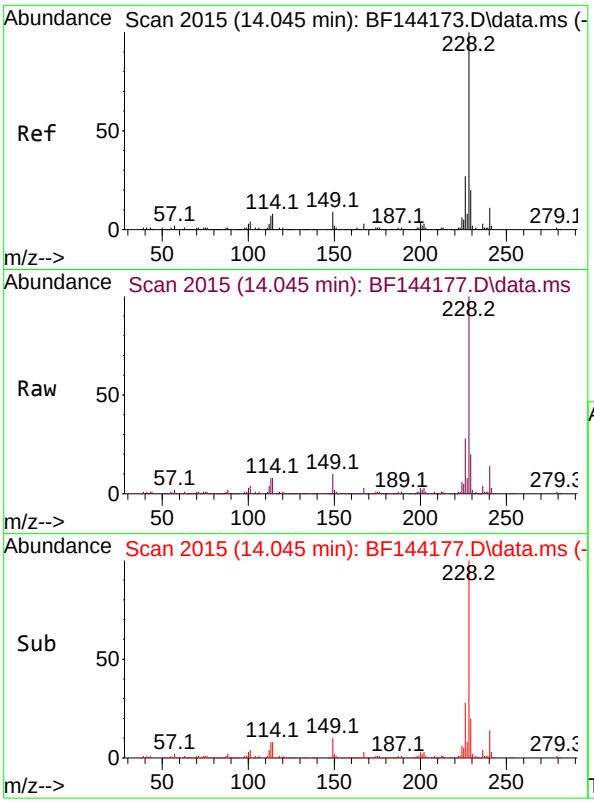


#80
Butylbenzylphthalate
Concen: 34.633 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:149 Resp: 157485

Ion	Ratio	Lower	Upper
149	100		
91	67.7	56.1	84.1
206	24.1	18.8	28.2





#81
Benzo(a)anthracene
Concen: 33.489 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:228 Resp: 37768

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	19.7	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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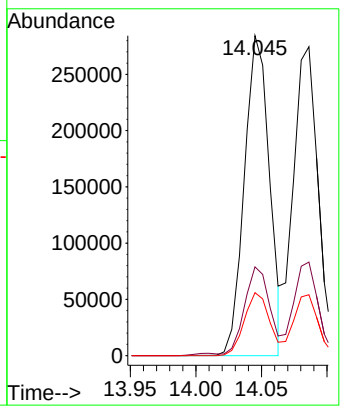
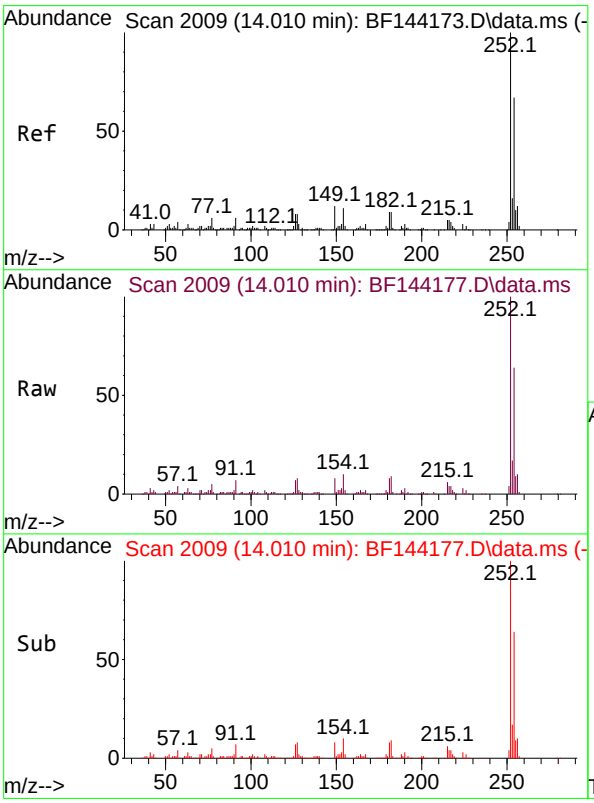
Supervised By :Jagrut Upadhyay 11/06/2025

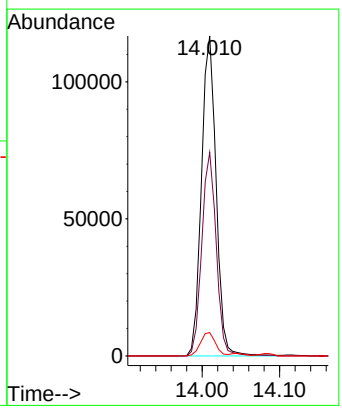


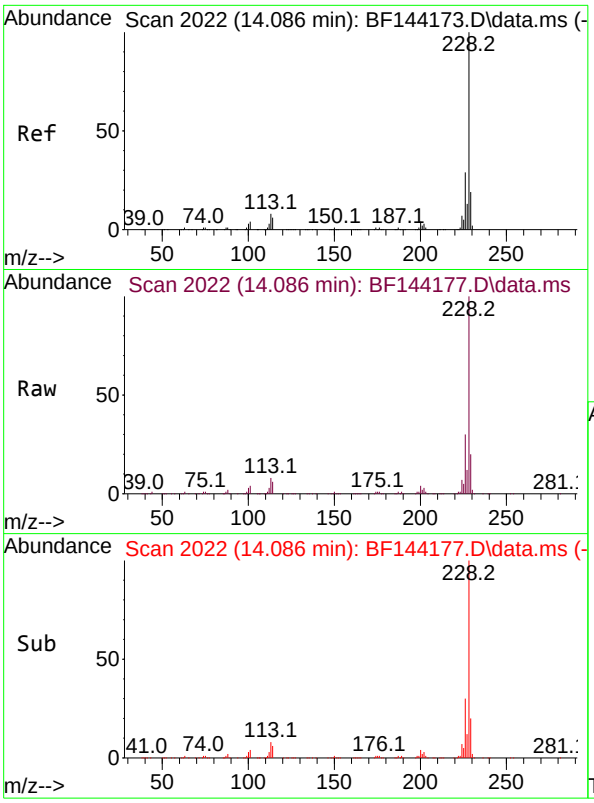


#82
3,3'-Dichlorobenzidine
Concen: 39.612 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:252 Resp: 153129

Ion	Ratio	Lower	Upper
252	100		
254	63.6	53.5	80.3
126	7.3	6.4	9.6





#83
Chrysene
Concen: 34.559 ng
RT: 14.086 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

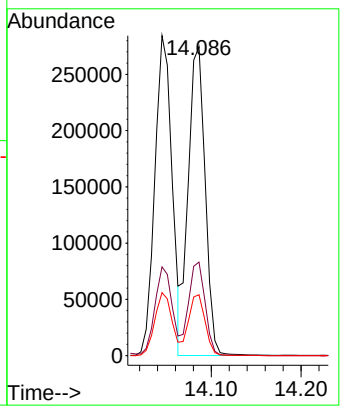
Tgt Ion:228 Resp: 35978

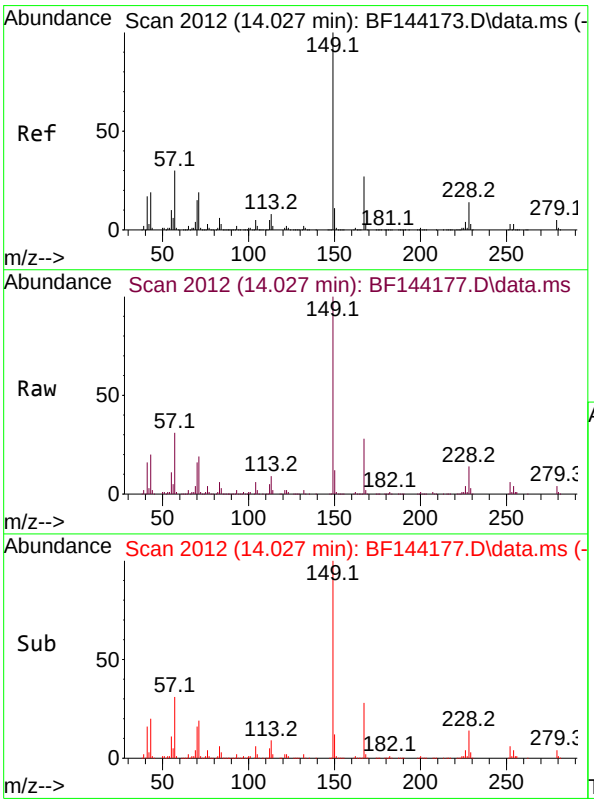
Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.9	34.3
229	19.7	15.0	22.6

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

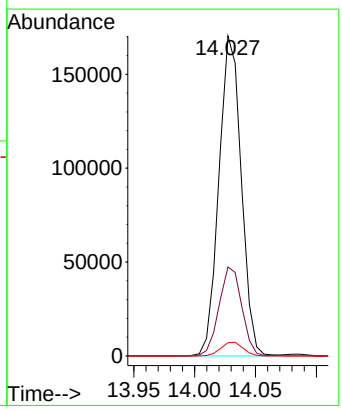


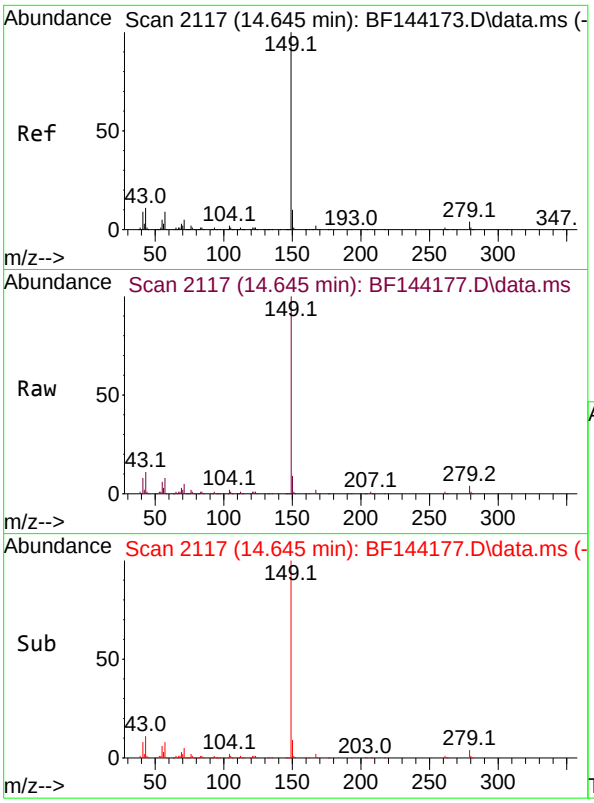


#84
Bis(2-ethylhexyl)phthalate
Concen: 34.880 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:149 Resp: 217122

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.8	32.8
279	4.1	3.7	5.5





#85
Di-n-octyl phthalate
Concen: 35.142 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

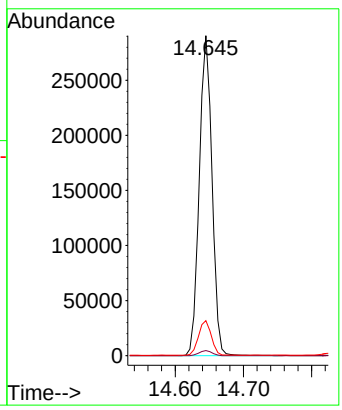
Tgt Ion:149 Resp: 37742

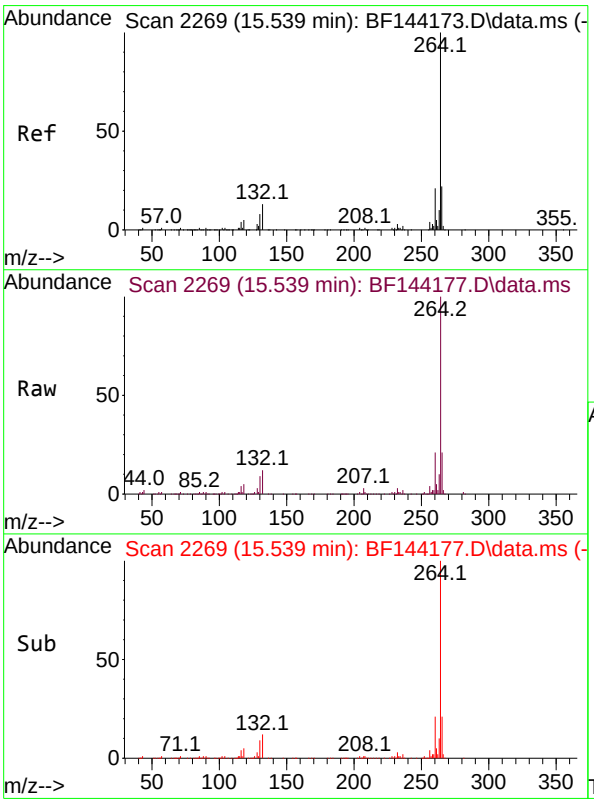
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.8	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

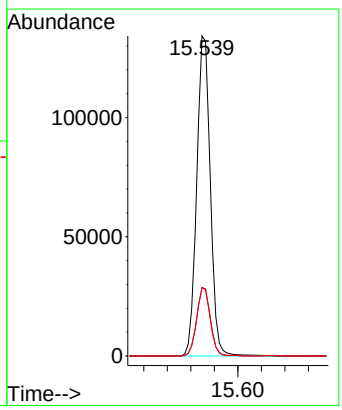


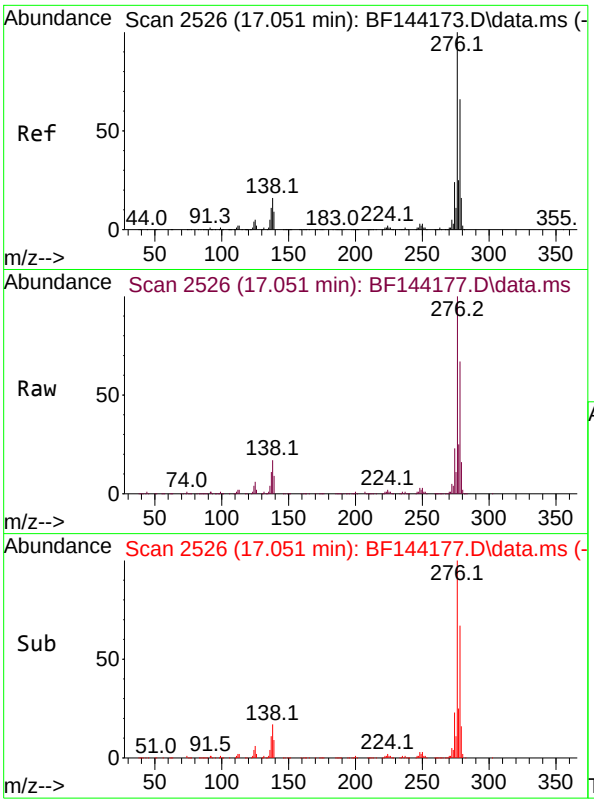


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:264 Resp: 215110

Ion	Ratio	Lower	Upper
264	100		
260	21.4	17.1	25.7
265	21.4	17.4	26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 34.019 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

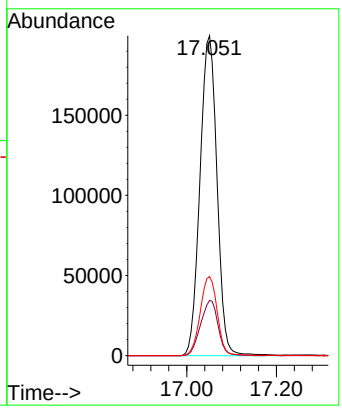
Tgt Ion:276 Resp: 525298

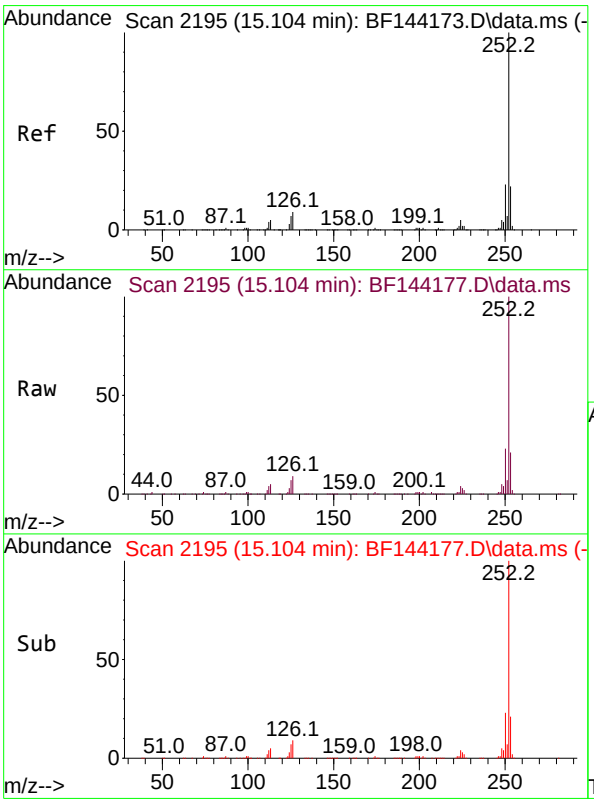
Ion	Ratio	Lower	Upper
276	100		
138	17.7	13.9	20.9
277	24.6	19.8	29.6

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

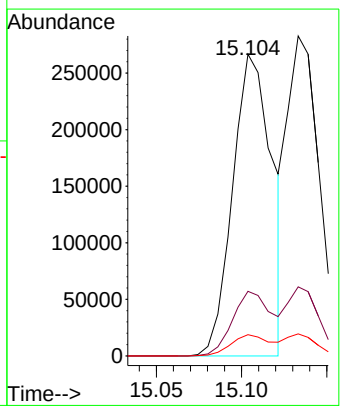


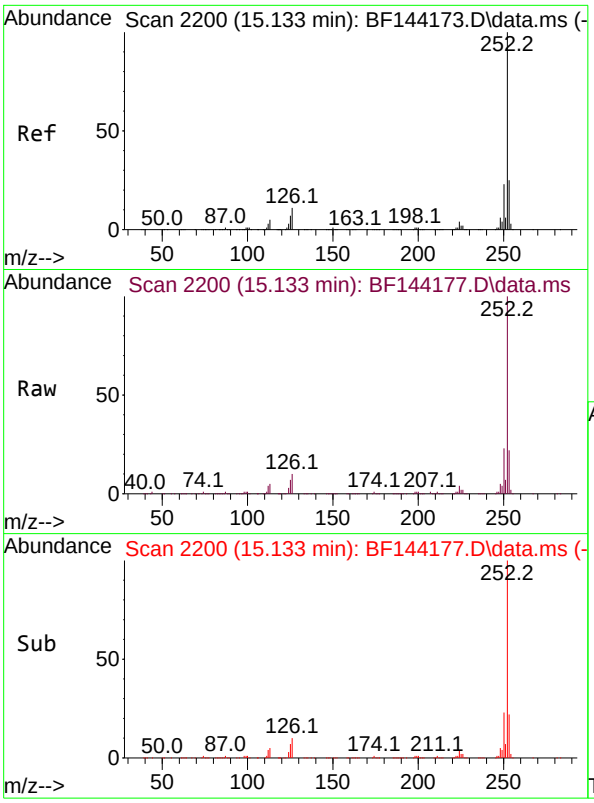


#88
Benzo(b)fluoranthene
Concen: 35.021 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:252 Resp: 428292

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	7.0	5.3	7.9





#89
Benzo(k)fluoranthene
Concen: 32.431 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

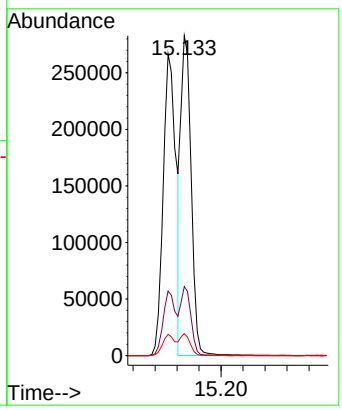
Tgt Ion:252 Resp: 37123

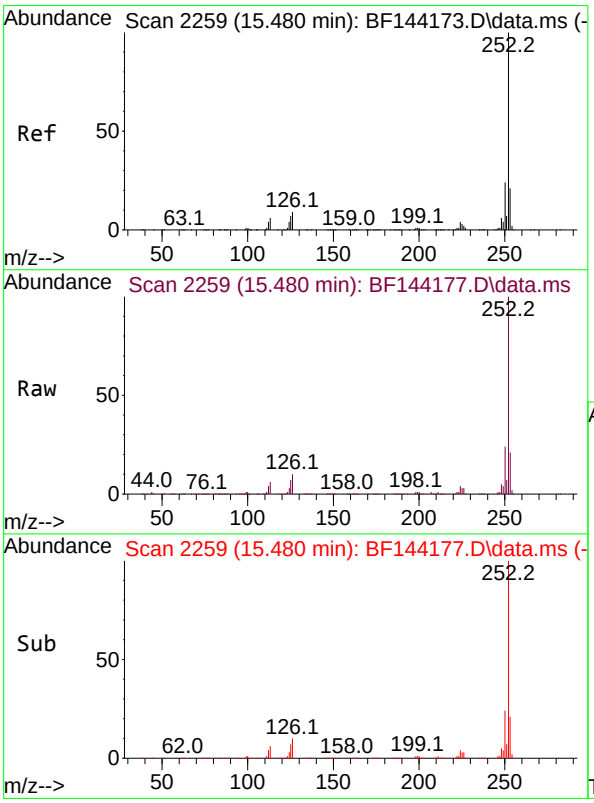
Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	6.9	5.4	8.2

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

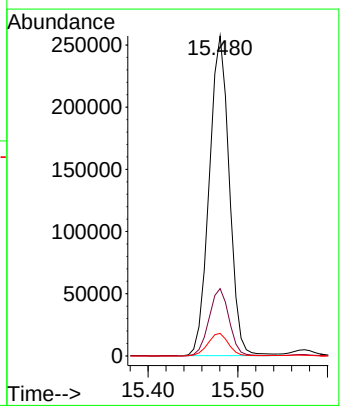


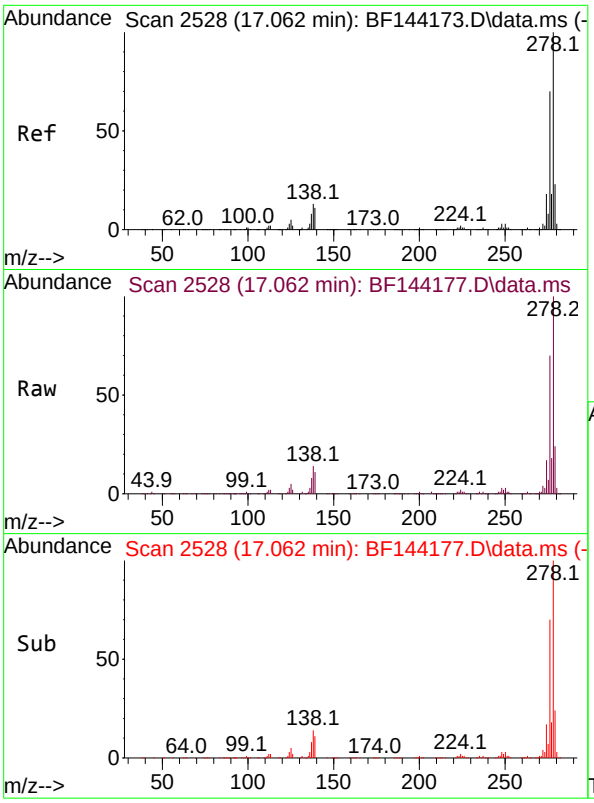


#90
Benzo(a)pyrene
Concen: 35.415 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:252 Resp: 399556

Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.7	25.1
125	7.0	5.7	8.5





#91
Dibenzo(a,h)anthracene
Concen: 34.126 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

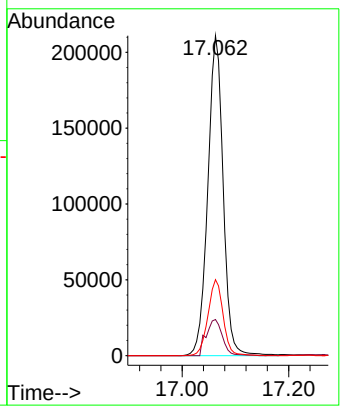
Tgt Ion:278 Resp: 42319

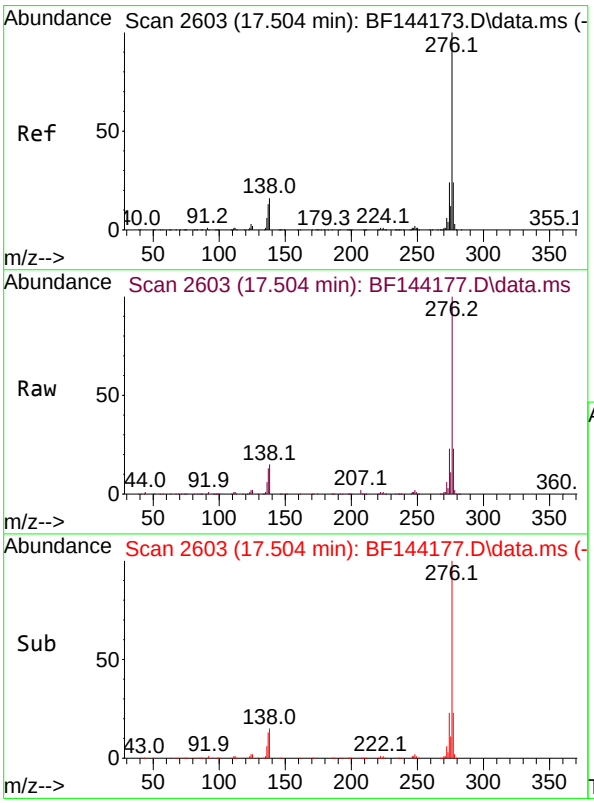
Ion	Ratio	Lower	Upper
278	100		
139	11.3	9.1	13.7
279	23.7	18.2	27.4

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

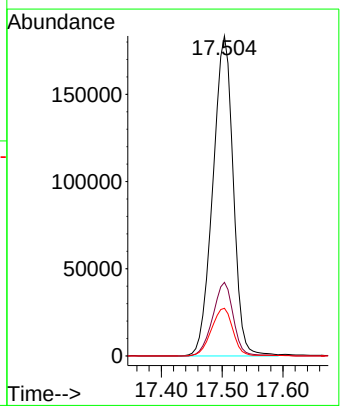




#92
Benzo(g,h,i)perylene
Concen: 34.857 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.018 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:276 Resp: 426866

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.4
138	14.9	12.9	19.3



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
2		1,4-Dioxane	0.528	0.462	12.5	83	-0.01
3		Pyridine	1.474	1.199	18.7	78	-0.04
4		n-Nitrosodimethylamine	0.770	0.697	9.5	89	-0.02
5	S	2-Fluorophenol	1.278	1.122	12.2	84	0.00
6		Aniline	2.063	1.917	7.1	92	0.00
7	S	Phenol-d6	1.448	1.258	13.1	85	0.00
8		2-Chlorophenol	1.253	1.100	12.2	85	0.00
9		Benzaldehyde	0.818	0.927	-13.3	112	0.00
10	C	Phenol	1.769	1.573	11.1	84	0.00
11		bis(2-Chloroethyl)ether	1.289	1.133	12.1	85	0.00
12		1,3-Dichlorobenzene	1.547	1.393	10.0	89	0.00
13	C	1,4-Dichlorobenzene	1.549	1.389	10.3	86	0.00
14		1,2-Dichlorobenzene	1.485	1.372	7.6	91	0.00
15		Benzyl Alcohol	1.147	1.020	11.1	87	0.00
16		2,2'-oxybis(1-Chloropropane	2.374	2.098	11.6	86	0.00
17		2-Methylphenol	0.997	0.866	13.1	83	0.00
18		Hexachloroethane	0.515	0.464	9.9	86	0.00
19	P	n-Nitroso-di-n-propylamine	0.953	0.812	14.8	84	0.00
20		3+4-Methylphenols	1.175	1.053	10.4	86	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22		Acetophenone	0.429	0.387	9.8	90	0.00
23	S	Nitrobenzene-d5	0.346	0.297	14.2	83	0.00
24		Nitrobenzene	0.376	0.327	13.0	85	0.00
25		Isophorone	0.655	0.569	13.1	85	0.00
26	C	2-Nitrophenol	0.186	0.170	8.6	87	0.00
27		2,4-Dimethylphenol	0.279	0.274	1.8	93	0.00
28		bis(2-Chloroethoxy)methane	0.409	0.362	11.5	86	0.00
29	C	2,4-Dichlorophenol	0.322	0.274	14.9	83	0.00
30		1,2,4-Trichlorobenzene	0.330	0.294	10.9	88	0.00
31		Naphthalene	0.951	0.829	12.8	86	0.00
32		Benzoic acid	0.204	0.154	24.5	86	-0.04
33		4-Chloroaniline	0.347	0.336	3.2	93	0.00
34	C	Hexachlorobutadiene	0.249	0.215	13.7	83	0.00
35		Caprolactam	0.088	0.074	15.9	80	-0.03
36	C	4-Chloro-3-methylphenol	0.288	0.247	14.2	84	0.00
37		2-Methylnaphthalene	0.636	0.509	20.0	79	0.00
38		1-Methylnaphthalene	0.614	0.514	16.3	83	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	0.655	0.603	7.9	86	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.243	-24.6	118	0.00
42	S	2,4,6-Tribromophenol	0.251	0.213	15.1	78	0.00
43	C	2,4,6-Trichlorophenol	0.446	0.394	11.7	84	0.00
44		2,4,5-Trichlorophenol	0.481	0.423	12.1	84	0.00
45	S	2-Fluorobiphenyl	1.354	1.180	12.9	85	0.00
46		1,1'-Biphenyl	1.396	1.275	8.7	87	0.00
47		2-Chloronaphthalene	1.191	1.045	12.3	84	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.344	0.306	11.0	82	0.00
49	Acenaphthylene	1.623	1.615	0.5	95	0.00
50	Dimethylphthalate	1.325	1.162	12.3	83	0.00
51	2,6-Dinitrotoluene	0.268	0.246	8.2	86	0.00
52 C	Acenaphthene	1.085	0.914	15.8	81	0.00
53	3-Nitroaniline	0.293	0.259	11.6	80	0.00
54 P	2,4-Dinitrophenol	0.162	0.116	28.4#	80	0.00
55	Dibenzofuran	1.520	1.353	11.0	84	0.00
56 P	4-Nitrophenol	0.212	0.164	22.6	78	0.00
57	2,4-Dinitrotoluene	0.359	0.323	10.0	81	0.00
58	Fluorene	1.156	1.037	10.3	85	0.00
59	2,3,4,6-Tetrachlorophenol	0.340	0.318	6.5	86	0.00
60	Diethylphthalate	1.221	1.058	13.3	82	0.00
61	4-Chlorophenyl-phenylether	0.658	0.576	12.5	81	0.00
62	4-Nitroaniline	0.279	0.246	11.8	83	0.00
63	Azobenzene	1.137	1.022	10.1	85	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00
65	4,6-Dinitro-2-methylphenol	0.136	0.106	22.1	78	0.00
66 c	n-Nitrosodiphenylamine	0.643	0.584	9.2	86	0.00
67	4-Bromophenyl-phenylether	0.255	0.218	14.5	79	0.00
68	Hexachlorobenzene	0.301	0.262	13.0	83	0.00
69	Atrazine	0.205	0.188	8.3	87	0.00
70 C	Pentachlorophenol	0.150	0.122	18.7	75	0.00
71	Phenanthrene	0.996	0.873	12.3	82	0.00
72	Anthracene	1.013	0.893	11.8	83	0.00
73	Carbazole	0.861	0.737	14.4	80	0.00
74	Di-n-butylphthalate	1.041	0.899	13.6	80	0.00
75 C	Fluoranthene	1.029	0.883	14.2	80	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77	Benzidine	0.592	0.668	-12.8	107	0.00
78	Pyrene	1.613	1.331	17.5	78	0.00
79 S	Terphenyl-d14	1.259	1.060	15.8	81	0.00
80	Butylbenzylphthalate	0.559	0.484	13.4	82	0.00
81	Benzo(a)anthracene	1.386	1.161	16.2	81	0.00
82	3,3'-Dichlorobenzidine	0.475	0.471	0.8	98	0.00
83	Chrysene	1.280	1.106	13.6	79	0.00
84	Bis(2-ethylhexyl)phthalate	0.765	0.667	12.8	82	0.00
85 c	Di-n-octyl phthalate	1.320	1.160	12.1	82	0.00
86 I	Perylene-d12	1.000	1.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	1.436	1.221	15.0	85	0.02
88	Benzo(b)fluoranthene	1.137	0.996	12.4	83	0.00
89	Benzo(k)fluoranthene	1.064	0.863	18.9	85	0.00
90 C	Benzo(a)pyrene	1.049	0.929	11.4	89	0.00
91	Dibenzo(a,h)anthracene	1.153	0.984	14.7	85	0.01
92	Benzo(g,h,i)perylene	1.139	0.992	12.9	86	0.01

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	99	0.00
2		1,4-Dioxane	40.000	34.992	12.5	83	-0.01
3		Pyridine	40.000	32.541	18.6	78	-0.04
4		n-Nitrosodimethylamine	40.000	36.224	9.4	89	-0.02
5	S	2-Fluorophenol	80.000	70.243	12.2	84	0.00
6		Aniline	40.000	37.159	7.1	92	0.00
7	S	Phenol-d6	80.000	69.484	13.1	85	0.00
8		2-Chlorophenol	40.000	35.096	12.3	85	0.00
9		Benzaldehyde	40.000	45.337	-13.3	112	0.00
10	C	Phenol	40.000	35.563	11.1	84	0.00
11		bis(2-Chloroethyl)ether	40.000	35.167	12.1	85	0.00
12		1,3-Dichlorobenzene	40.000	36.038	9.9	89	0.00
13	C	1,4-Dichlorobenzene	40.000	35.858	10.4	86	0.00
14		1,2-Dichlorobenzene	40.000	36.957	7.6	91	0.00
15		Benzyl Alcohol	40.000	35.593	11.0	87	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.340	11.6	86	0.00
17		2-Methylphenol	40.000	34.723	13.2	83	0.00
18		Hexachloroethane	40.000	36.050	9.9	86	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	34.051	14.9	84	0.00
20		3+4-Methylphenols	40.000	35.839	10.4	86	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	36.061	9.8	90	0.00
23	S	Nitrobenzene-d5	80.000	68.601	14.2	83	0.00
24		Nitrobenzene	40.000	34.763	13.1	85	0.00
25		Isophorone	40.000	34.755	13.1	85	0.00
26	C	2-Nitrophenol	40.000	36.521	8.7	87	0.00
27		2,4-Dimethylphenol	40.000	39.334	1.7	93	0.00
28		bis(2-Chloroethoxy)methane	40.000	35.422	11.4	86	0.00
29	C	2,4-Dichlorophenol	40.000	34.086	14.8	83	0.00
30		1,2,4-Trichlorobenzene	40.000	35.677	10.8	88	0.00
31		Naphthalene	40.000	34.861	12.8	86	0.00
32		Benzoic acid	40.000	30.148	24.6	86	-0.04
33		4-Chloroaniline	40.000	38.685	3.3	93	0.00
34	C	Hexachlorobutadiene	40.000	34.552	13.6	83	0.00
35		Caprolactam	40.000	33.478	16.3	80	-0.03
36	C	4-Chloro-3-methylphenol	40.000	34.336	14.2	84	0.00
37		2-Methylnaphthalene	40.000	31.978	20.1	79	0.00
38		1-Methylnaphthalene	40.000	33.472	16.3	83	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	36.811	8.0	86	0.00
41	P	Hexachlorocyclopentadiene	40.000	46.350	-15.9	118	0.00
42	S	2,4,6-Tribromophenol	80.000	67.987	15.0	78	0.00
43	C	2,4,6-Trichlorophenol	40.000	35.357	11.6	84	0.00
44		2,4,5-Trichlorophenol	40.000	35.179	12.1	84	0.00
45	S	2-Fluorobiphenyl	80.000	69.741	12.8	85	0.00
46		1,1'-Biphenyl	40.000	36.526	8.7	87	0.00
47		2-Chloronaphthalene	40.000	35.092	12.3	84	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	35.641	10.9	82	0.00
49		Acenaphthylene	40.000	39.818	0.5	95	0.00
50		Dimethylphthalate	40.000	35.076	12.3	83	0.00
51		2,6-Dinitrotoluene	40.000	36.758	8.1	86	0.00
52	C	Acenaphthene	40.000	33.702	15.7	81	0.00
53		3-Nitroaniline	40.000	35.372	11.6	80	0.00
54	P	2,4-Dinitrophenol	40.000	28.732	28.2#	80	0.00
55		Dibenzofuran	40.000	35.602	11.0	84	0.00
56	P	4-Nitrophenol	40.000	30.929	22.7	78	0.00
57		2,4-Dinitrotoluene	40.000	35.994	10.0	81	0.00
58		Fluorene	40.000	35.903	10.2	85	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.425	6.4	86	0.00
60		Diethylphthalate	40.000	34.646	13.4	82	0.00
61		4-Chlorophenyl-phenylether	40.000	35.002	12.5	81	0.00
62		4-Nitroaniline	40.000	35.278	11.8	83	0.00
63		Azobenzene	40.000	35.958	10.1	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	95	0.00
65		4,6-Dinitro-2-methylphenol	40.000	31.346	21.6	78	0.00
66	c	n-Nitrosodiphenylamine	40.000	36.292	9.3	86	0.00
67		4-Bromophenyl-phenylether	40.000	34.135	14.7	79	0.00
68		Hexachlorobenzene	40.000	34.810	13.0	83	0.00
69		Atrazine	40.000	36.790	8.0	87	0.00
70	C	Pentachlorophenol	40.000	32.706	18.2	75	0.00
71		Phenanthrene	40.000	35.049	12.4	82	0.00
72		Anthracene	40.000	35.286	11.8	83	0.00
73		Carbazole	40.000	34.224	14.4	80	0.00
74		Di-n-butylphthalate	40.000	34.535	13.7	80	0.00
75	C	Fluoranthene	40.000	34.338	14.2	80	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77		Benzidine	40.000	45.165	-12.9	107	0.00
78		Pyrene	40.000	33.011	17.5	78	0.00
79	S	Terphenyl-d14	80.000	67.318	15.9	81	0.00
80		Butylbenzylphthalate	40.000	34.633	13.4	82	0.00
81		Benzo(a)anthracene	40.000	33.489	16.3	81	0.00
82		3,3'-Dichlorobenzidine	40.000	39.612	1.0	98	0.00
83		Chrysene	40.000	34.559	13.6	79	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	34.880	12.8	82	0.00
85	c	Di-n-octyl phthalate	40.000	35.142	12.1	82	0.00
86	I	Perylene-d12	20.000	20.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	34.019	15.0	85	0.02
88		Benzo(b)fluoranthene	40.000	35.021	12.4	83	0.00
89		Benzo(k)fluoranthene	40.000	32.431	18.9	85	0.00
90	C	Benzo(a)pyrene	40.000	35.415	11.5	89	0.00
91		Dibenzo(a,h)anthracene	40.000	34.126	14.7	85	0.01
92		Benzo(g,h,i)perylene	40.000	34.857	12.9	86	0.01

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3534

Instrument ID: BNA_G Calibration Date(s): 10/24/2025 10/24/2025

Calibration Time(s): 09:00 15:32

LAB FILE ID: RRF2.5 = BG064569.D RRF005 = BG064570.D RRF010 = BG064571.D
RRF020 = BG064572.D RRF040 = BG064573.D RRF060 = BG064574.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2-Fluorophenol		1.098	1.207	1.155	1.292	1.318	1.192	7.1
Benzaldehyde			0.942	0.994	0.940	0.981	0.893	14.1
Phenol-d6		1.469	1.654	1.566	1.771	1.864	1.635	8.6
Phenol		1.665	1.820	1.748	1.944	2.027	1.808	7.4
bis(2-Chloroethyl)ether		1.307	1.409	1.292	1.383	1.443	1.329	6.5
2-Chlorophenol		1.051	1.207	1.197	1.373	1.461	1.247	10.6
2-Methylphenol		1.103	1.225	1.178	1.273	1.345	1.201	7.2
2,2-oxybis(1-Chloropropane)		3.421	3.604	3.396	3.733	3.802	3.487	6.7
Acetophenone		0.535	0.565	0.528	0.584	0.590	0.547	6.0
3+4-Methylphenols			1.652	1.581	1.818	1.895	1.688	8.0
n-Nitroso-di-n-propylamine	1.044	1.038	1.141	1.129	1.227	1.289	1.130	7.9
Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.403	0.333	17.0
Hexachloroethane		0.468	0.535	0.505	0.541	0.557	0.512	6.4
Nitrobenzene		0.274	0.312	0.344	0.410	0.438	0.362	15.6
Isophorone		0.751	0.796	0.771	0.869	0.891	0.799	7.2
2-Nitrophenol		0.076	0.095	0.110	0.137	0.152	0.121	23.2
2,4-Dimethylphenol		0.236	0.294	0.285	0.335	0.343	0.297	11.9
bis(2-Chloroethoxy)methane		0.452	0.464	0.443	0.490	0.493	0.455	6.5
2,4-Dichlorophenol		0.243	0.299	0.315	0.360	0.373	0.320	13.3
Naphthalene		1.083	1.144	1.084	1.177	1.201	1.109	6.0
4-Chloroaniline		0.390	0.456	0.411	0.459	0.486	0.431	8.3
Hexachlorobutadiene		0.266	0.291	0.282	0.299	0.306	0.284	5.3
Caprolactam			0.112	0.114	0.134	0.142	0.123	9.9
4-Chloro-3-methylphenol		0.323	0.381	0.361	0.426	0.454	0.384	11.2
2-Methylnaphthalene		0.764	0.858	0.797	0.865	0.888	0.814	6.7
Hexachlorocyclopentadiene			0.268	0.279	0.324	0.340	0.302	9.0
2,4,6-Trichlorophenol		0.294	0.333	0.375	0.423	0.456	0.384	14.4
2-Fluorobiphenyl		1.310	1.389	1.306	1.384	1.384	1.319	5.2
2,4,5-Trichlorophenol		0.339	0.425	0.439	0.484	0.517	0.443	12.5
1,1-Biphenyl		1.456	1.450	1.401	1.489	1.498	1.422	5.0
2-Chloronaphthalene		1.065	1.082	1.053	1.132	1.145	1.073	4.7
2-Nitroaniline		0.201	0.234	0.277	0.348	0.404	0.311	24.1
Dimethylphthalate		1.389	1.570	1.488	1.641	1.699	1.530	7.2
Acenaphthylene		1.667	1.726	1.647	1.786	1.827	1.693	5.3

All other compounds must meet a minimum RRF of 0.010.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3534

Instrument ID: BNA_G Calibration Date(s): 10/24/2025 10/24/2025

Calibration Time(s): 09:00 15:32

LAB FILE ID: RRF2.5 = BG064569.D RRF005 = BG064570.D RRF010 = BG064571.D
RRF020 = BG064572.D RRF040 = BG064573.D RRF060 = BG064574.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2,6-Dinitrotoluene		0.127	0.180	0.193	0.247	0.283	0.218	24.7
3-Nitroaniline		0.180	0.211	0.252	0.294	0.325	0.263	19.7
Acenaphthene		1.126	1.178	1.115	1.223	1.261	1.157	5.6
2,4-Dinitrophenol			0.086	0.110	0.137	0.165	0.132	22.1
4-Nitrophenol			0.191	0.213	0.261	0.283	0.244	14.4
Dibenzofuran		1.881	1.972	1.826	1.963	1.988	1.870	6.0
2,4-Dinitrotoluene		0.223	0.269	0.300	0.385	0.434	0.340	22.7
Diethylphthalate		1.417	1.645	1.514	1.657	1.718	1.563	7.1
4-Chlorophenyl-phenylether		0.800	0.864	0.792	0.866	0.888	0.820	6.4
Fluorene		1.471	1.559	1.426	1.531	1.549	1.460	6.4
4-Nitroaniline		0.194	0.252	0.286	0.327	0.355	0.293	18.6
4,6-Dinitro-2-methylphenol			0.055	0.064	0.083	0.097	0.079	21.0
n-Nitrosodiphenylamine		0.510	0.551	0.525	0.583	0.594	0.540	6.8
2,4,6-Tribromophenol		0.221	0.266	0.272	0.318	0.346	0.289	14.0
4-Bromophenyl-phenylether		0.218	0.236	0.230	0.258	0.264	0.237	7.3
Hexachlorobenzene		0.254	0.266	0.262	0.292	0.302	0.270	7.0
Atrazine		0.215	0.227	0.249	0.245	0.261	0.232	8.3
Pentachlorophenol			0.132	0.152	0.180	0.199	0.169	13.9
Phenanthrene		1.084	1.133	1.073	1.162	1.179	1.094	6.2
Anthracene		1.087	1.144	1.101	1.187	1.204	1.113	6.2
Carbazole		0.982	1.037	0.982	1.031	1.028	0.981	5.9
Di-n-butylphthalate		1.011	1.156	1.179	1.240	1.198	1.135	7.1
Fluoranthene		1.385	1.463	1.380	1.440	1.403	1.370	5.9
Pyrene		1.287	1.331	1.284	1.411	1.406	1.307	6.2
Terphenyl-d14		1.074	1.120	1.066	1.142	1.102	1.060	7.2
Butylbenzylphthalate		0.284	0.359	0.388	0.450	0.467	0.395	15.4
3,3-Dichlorobenzidine			0.418	0.428	0.477	0.486	0.443	6.9
Benzo(a)anthracene		1.294	1.355	1.292	1.416	1.430	1.326	5.7
Chrysene		1.249	1.291	1.229	1.344	1.359	1.262	5.8
Bis(2-ethylhexyl)phthalate		0.484	0.555	0.581	0.671	0.667	0.590	11.0
Di-n-octyl phthalate			0.871	0.932	1.087	1.117	0.995	9.3
Benzo(b)fluoranthene		1.138	1.246	1.169	1.322	1.353	1.226	6.8
Benzo(k)fluoranthene		1.175	1.260	1.206	1.285	1.364	1.227	6.5
Benzo(a)pyrene		1.061	1.144	1.093	1.202	1.246	1.127	6.4
Indeno(1,2,3-cd)pyrene		1.383	1.491	1.410	1.568	1.642	1.471	6.8

All other compounds must meet a minimum RRF of 0.010.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3534

Instrument ID: BNA_G Calibration Date(s): 10/24/2025 10/24/2025

Calibration Time(s): 09:00 15:32

LAB FILE ID: RRF2.5 = BG064569.D RRF005 = BG064570.D RRF010 = BG064571.D
RRF020 = BG064572.D RRF040 = BG064573.D RRF060 = BG064574.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
Dibenzo(a,h)anthracene		1.120	1.223	1.158	1.268	1.324	1.195	6.5
Benzo(g,h,i)perylene		1.080	1.162	1.089	1.213	1.280	1.142	6.9
1,2,4,5-Tetrachlorobenzene		0.657	0.684	0.648	0.702	0.717	0.671	4.6
1,4-Dioxane		0.570	0.581	0.524	0.525	0.559	0.528	8.8
2,3,4,6-Tetrachlorophenol		0.312	0.385	0.402	0.466	0.508	0.424	15.0

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Nov 03 18:16:26 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG0645
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane	0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85	
3)		Pyridine	1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84	
4)		n-Nitrosodimet...		0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08	
5)	S	2-Fluorophenol	1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09	
6)		Aniline	2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28	
7)	S	Phenol-d6	1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55	
8)		2-Chlorophenol	1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65	
9)		Benzaldehyde		0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09	
10)	C	Phenol	1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36	
11)		bis(2-Chloroet...	1.307	1.409	1.292	1.383	1.273	1.443	1.198	1.329	6.47	
12)		1,3-Dichlorobe...	1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62	
13)	C	1,4-Dichlorobe...	1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21	
14)		1,2-Dichlorobe...	1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97	
15)		Benzyl Alcohol		1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97	
16)		2,2'-oxybis(1-...	3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74	
17)		2-Methylphenol	1.103	1.225	1.178	1.273	1.159	1.345	1.120	1.201	7.22	
18)		Hexachloroethane	0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41	
19)	P	n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20)		3+4-Methylphenols		1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04	
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone	0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04	
23)	S	Nitrobenzene-d5	0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02	
24)		Nitrobenzene	0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64	
25)		Isophorone	0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25	
26)	C	2-Nitrophenol	0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20	
27)		2,4-Dimethylph...	0.236	0.294	0.285	0.335	0.297	0.343	0.290	0.297	11.93	
28)		bis(2-Chloroet...	0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48	
29)	C	2,4-Dichloroph...	0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34	
30)		1,2,4-Trichlor...	0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44	
31)		Naphthalene	1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96	
32)		Benzoic acid		0.142	0.164	0.223	0.215	0.260	0.237	0.207	21.74	
33)		4-Chloroaniline	0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29	
34)	C	Hexachlorobuta...	0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33	
35)		Caprolactam		0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85	
36)	C	4-Chloro-3-met...	0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18	
37)		2-Methylnaphth...	0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74	
38)		1-Methylnaphth...	0.798	0.849	0.776	0.853	0.752	0.878	0.735	0.806	6.85	

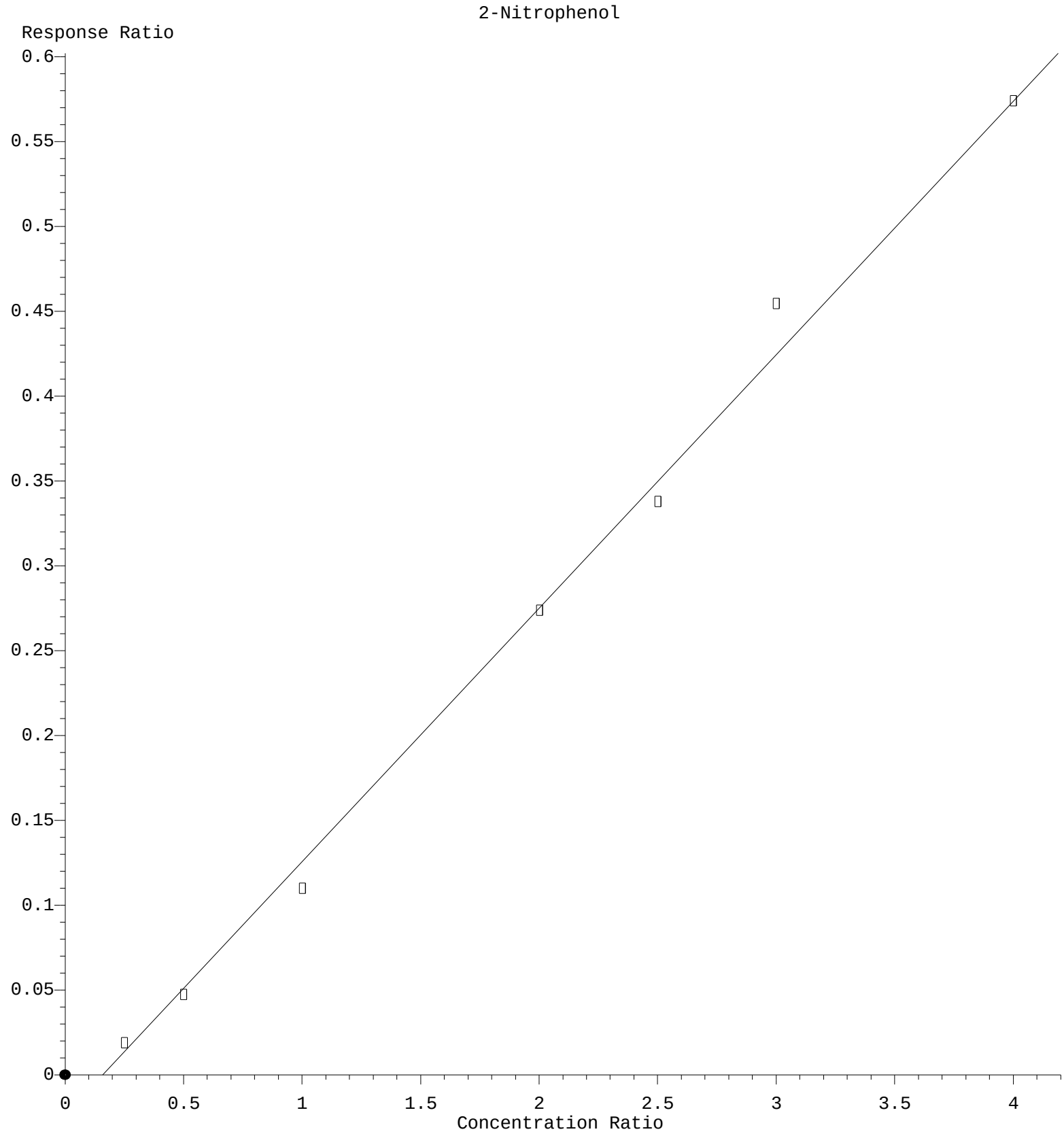
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55
41)	P	Hexachlorocycl...		0.268	0.279	0.324	0.297	0.340	0.305	0.302	8.97
42)	S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04
43)	C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41
44)		2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48
45)	S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24
46)		1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98
47)		2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71
48)		2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06
49)		Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30
50)		Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21
51)		2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69
52)	C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63
53)		3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70
54)	P	2,4-Dinitrophenol		0.086	0.110	0.137	0.139	0.165	0.154	0.132	22.11
55)		Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96
56)	P	4-Nitrophenol		0.191	0.213	0.261	0.250	0.283	0.267	0.244	14.40
57)		2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67
58)		Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38
59)		2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04
60)		Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06
61)		4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38
62)		4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55
63)		Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.064	0.083	0.083	0.097	0.093	0.079	21.00
66)	c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79
67)		4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28
68)		Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99
69)		Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27
70)	C	Pentachlorophenol		0.132	0.152	0.180	0.172	0.199	0.177	0.169	13.91
71)		Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17
72)		Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17
73)		Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90
74)		Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11
75)	C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.392	0.475	0.490	0.416	0.533	0.383	0.448	13.40
78)		Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24
79)	S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21
80)		Butylbenzylpht...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43
81)		Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71
82)		3,3'-Dichlorob...		0.418	0.428	0.477	0.424	0.486	0.424	0.443	6.88
83)		Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76
84)		Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95
85)	c	Di-n-octyl pht...		0.871	0.932	1.087	0.976	1.117	0.986	0.995	9.32

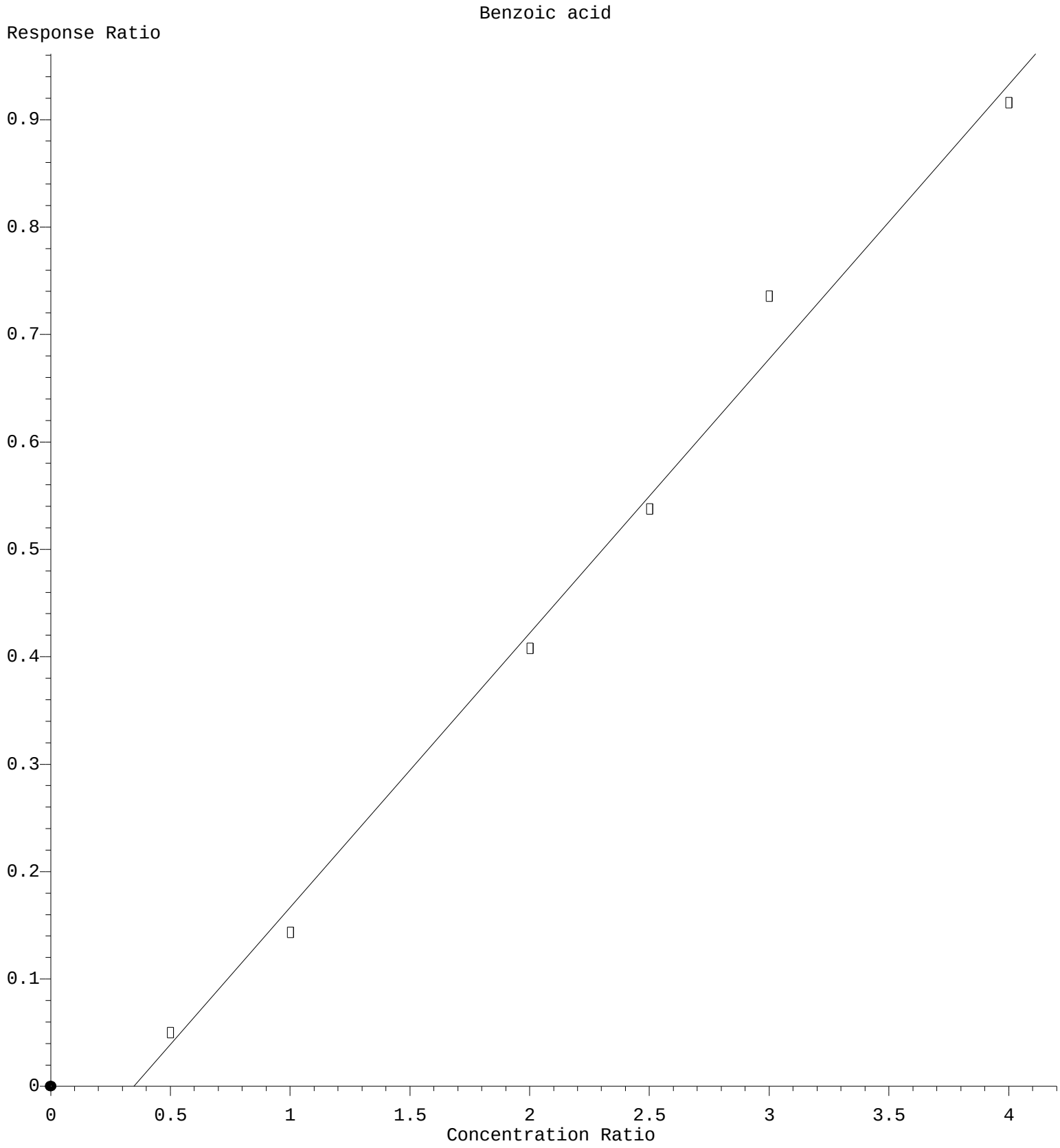
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86) I	Perylene-d12	----------ISTD----------								
87)	Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)	Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)	Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90) C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)	Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)	Benzo(g,h,i)pe...	1.080	1.162	1.089	1.213	1.078	1.280	1.092	1.142	6.95

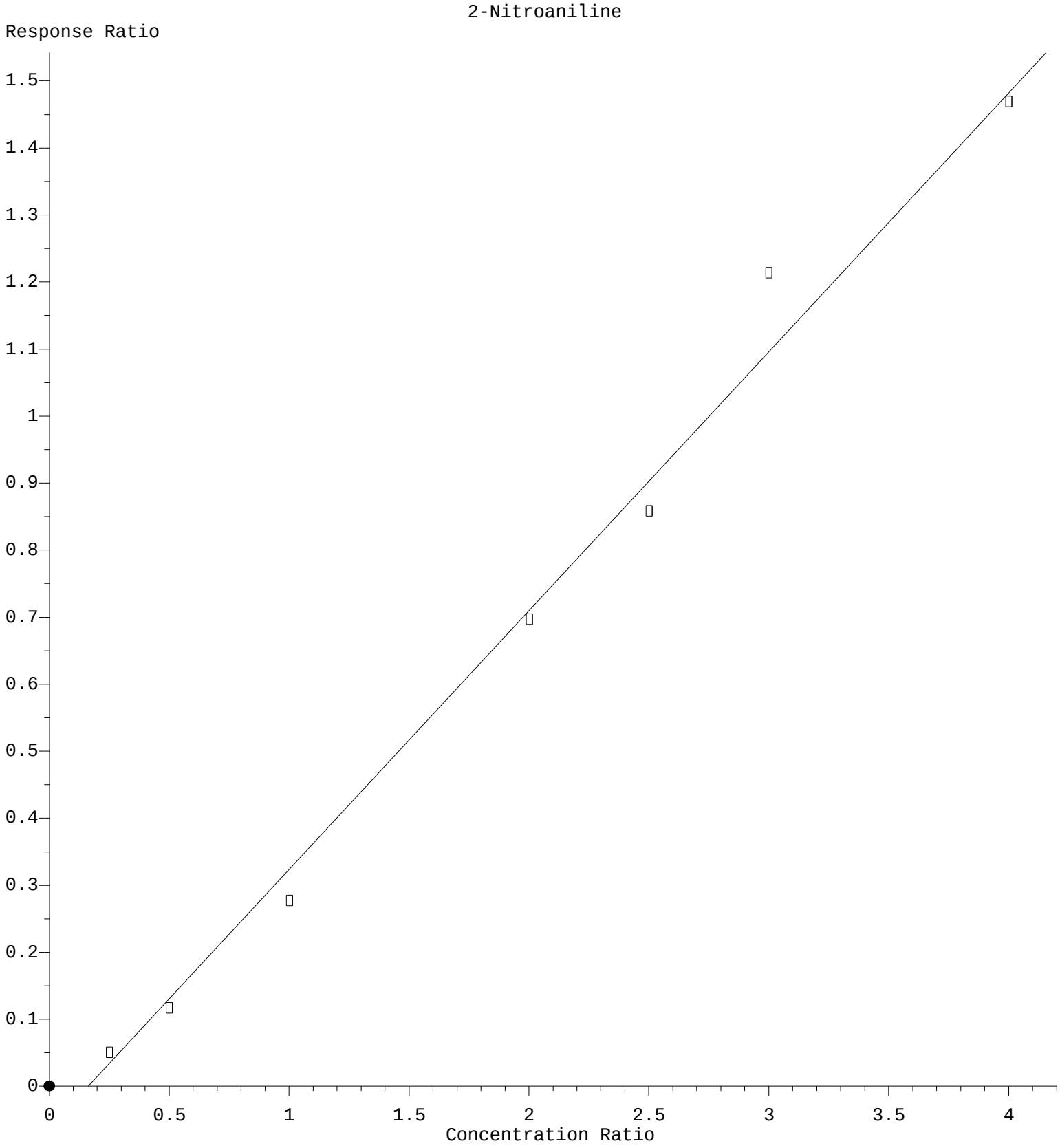
(#) = Out of Range



Response = 1.495e-001 * Amt - 2.340e-002
Coef of Det (r^2) = 0.995585 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

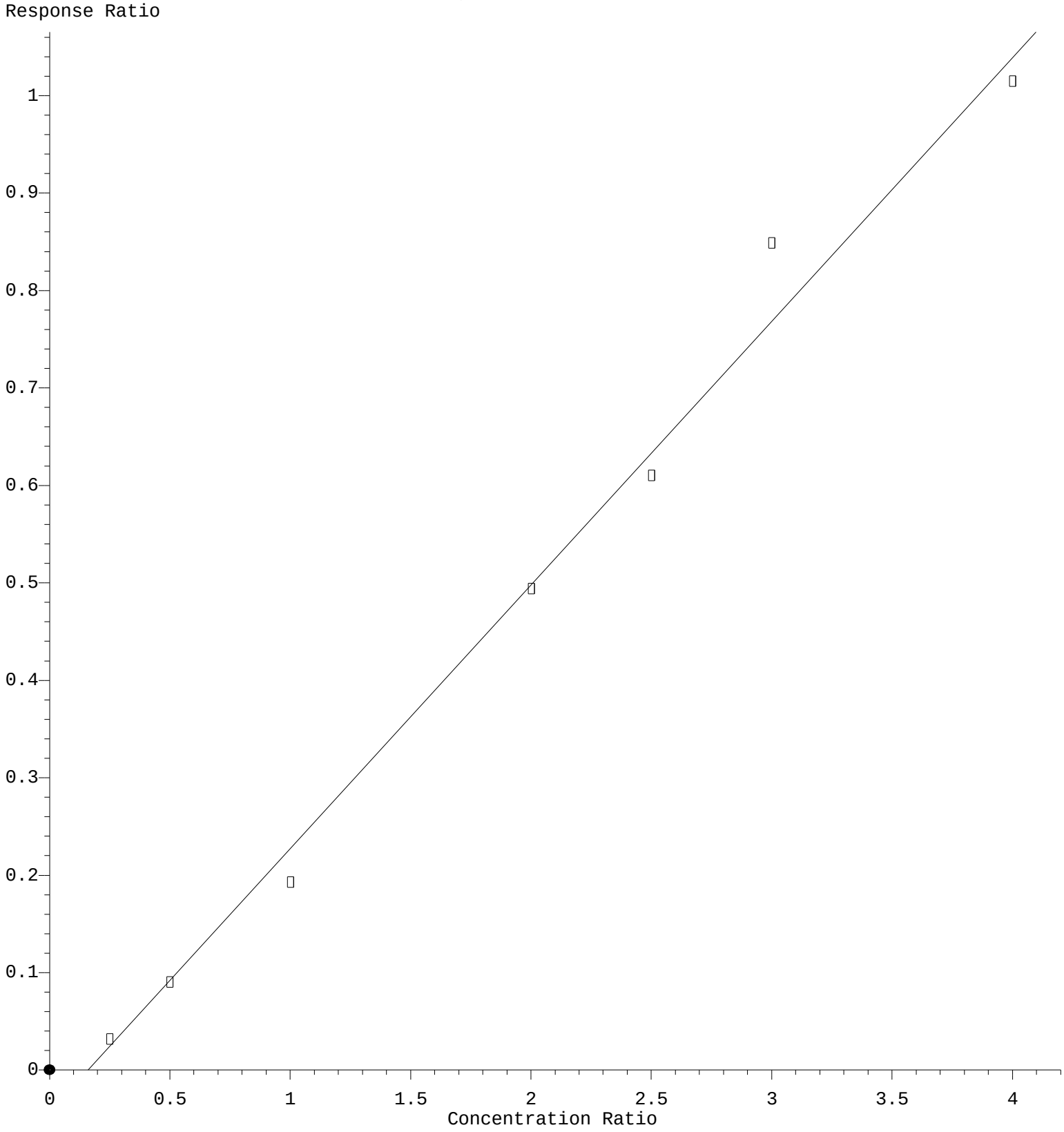


Response = 2.554e-001 * Amt - 8.844e-002
Coef of Det (r^2) = 0.993384 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



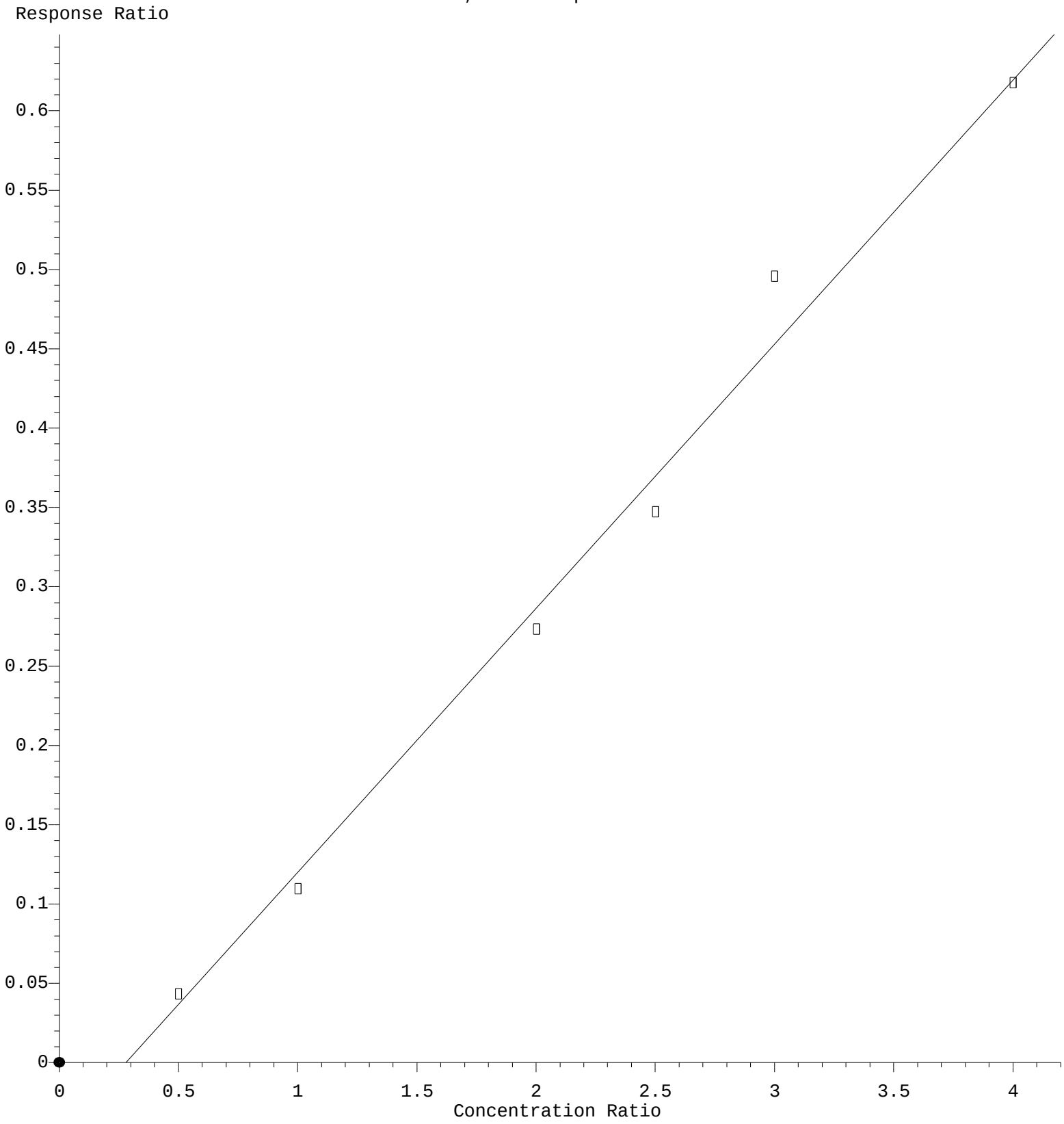
Response = 3.863e-001 * Amt - 6.228e-002
Coef of Det (r^2) = 0.991893 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

2,6-Dinitrotoluene



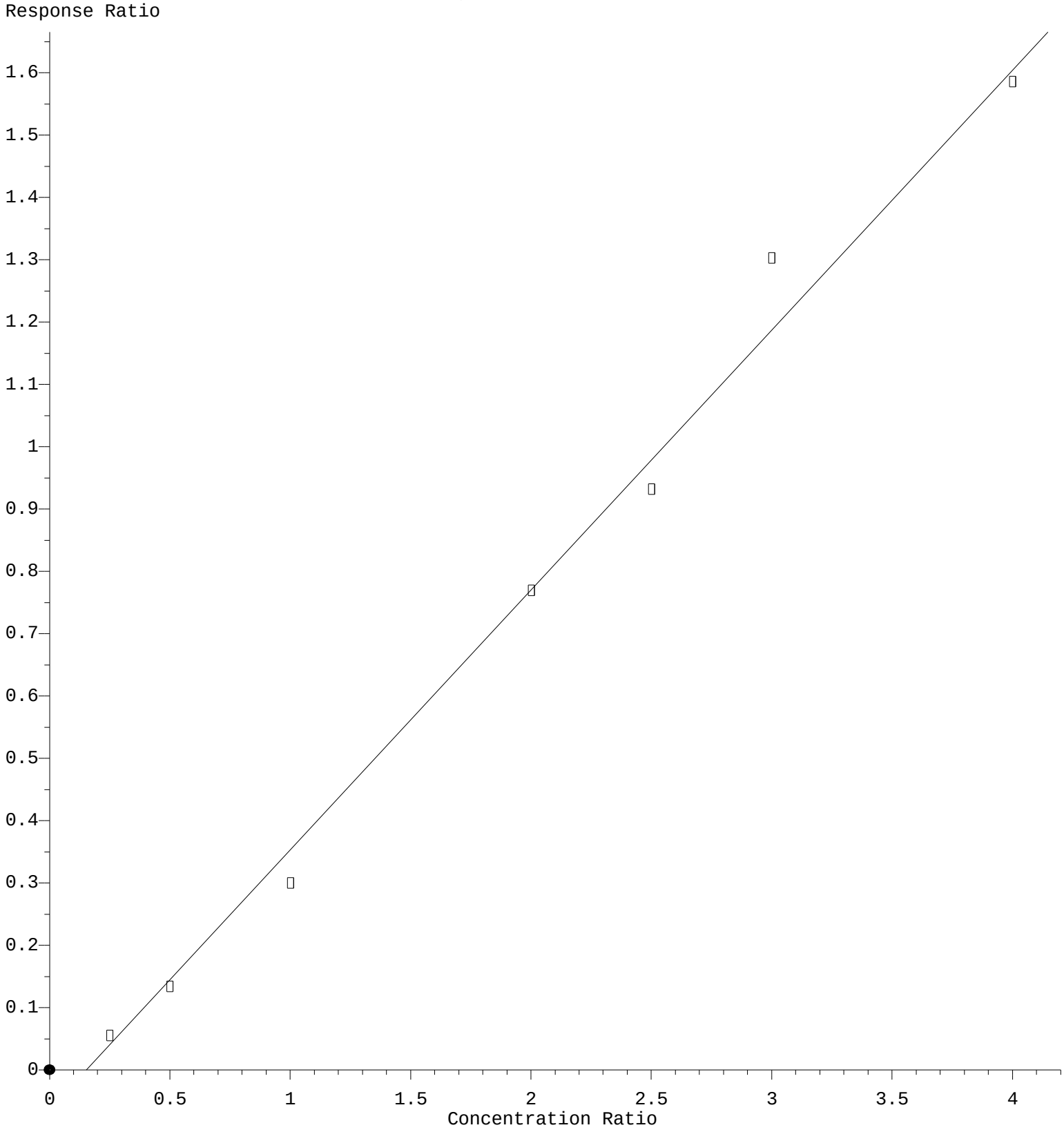
Response = 2.705e-001 * Amt - 4.319e-002
Coef of Det (r^2) = 0.992850 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

2,4-Dinitrophenol



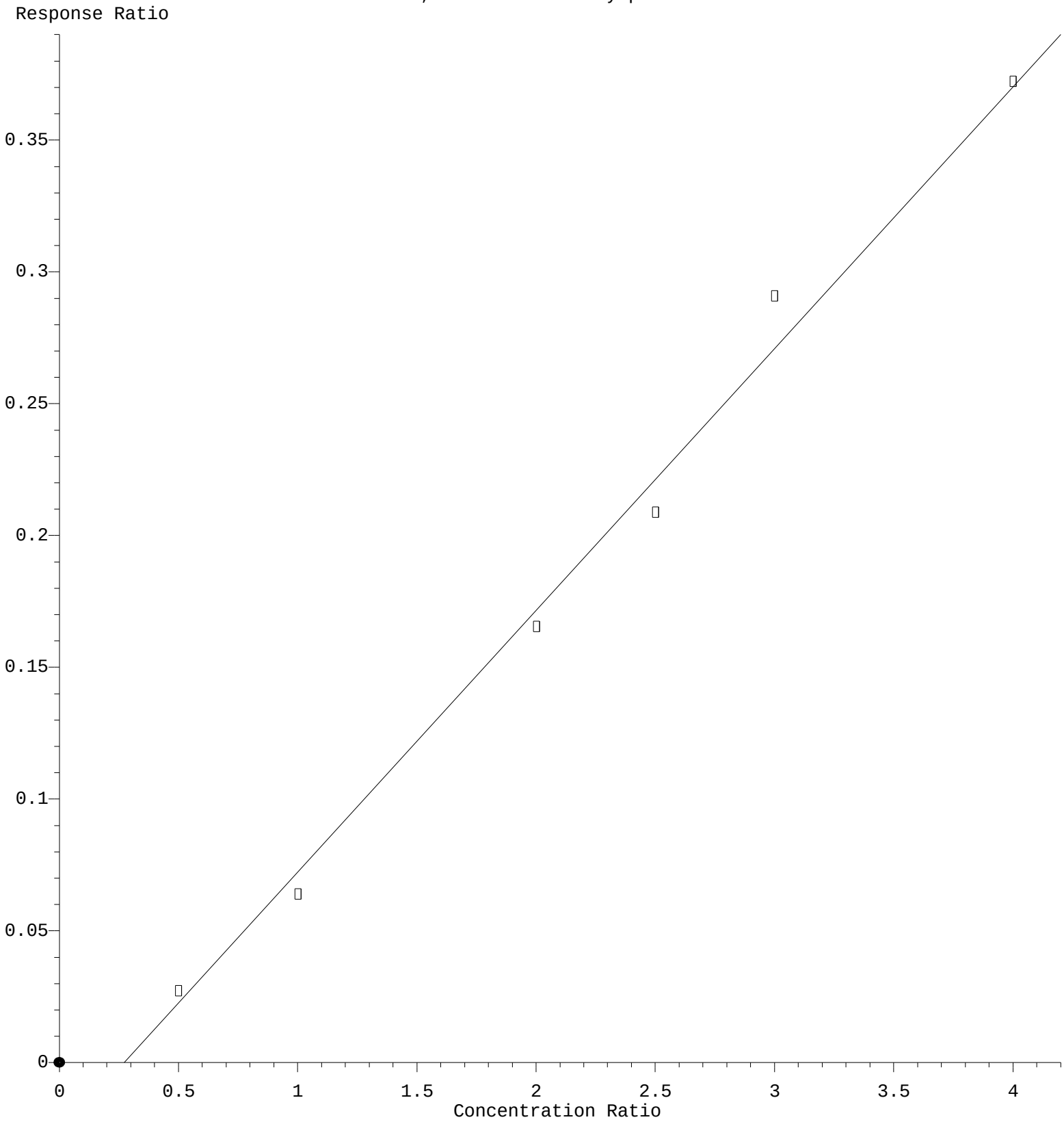
Response = 1.666e-001 * Amt - 4.640e-002
Coef of Det (r^2) = 0.992196 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

2,4-Dinitrotoluene



Response = 4.169e-001 * Amt - 6.360e-002
Coef of Det (r^2) = 0.992833 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

4,6-Dinitro-2-methylphenol



Response = 9.922e-002 * Amt - 2.692e-002
Coef of Det (r^2) = 0.993360 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 03 17:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	43718	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	174680	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	136814	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	341404	20.000	ng	0.00
76) Chrysene-d12	21.854	240	378586	20.000	ng	0.00
86) Perylene-d12	25.203	264	398350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.016	70	5707	2.310	ng	# 90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

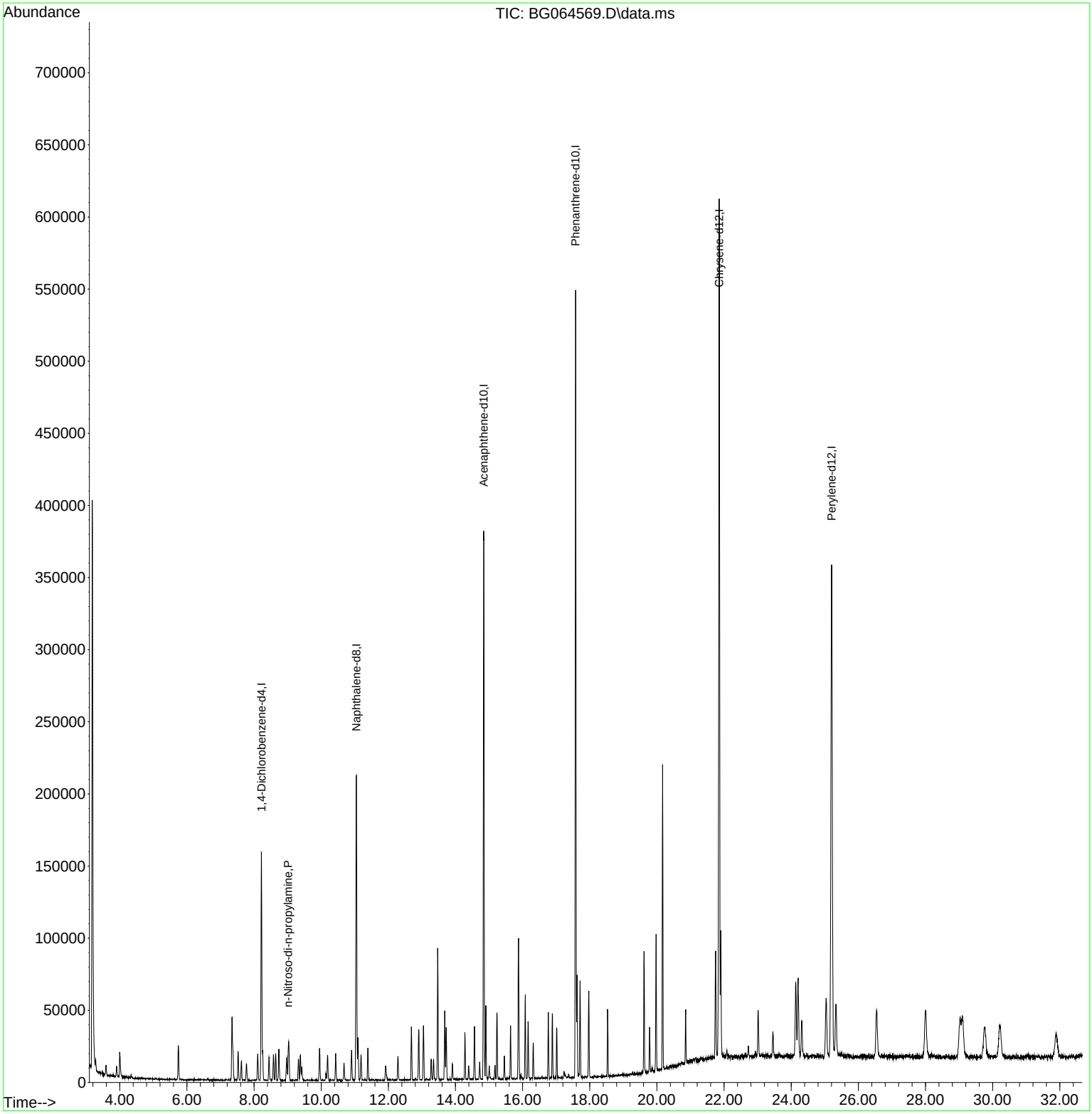
Quantitation Report (QT Reviewed)

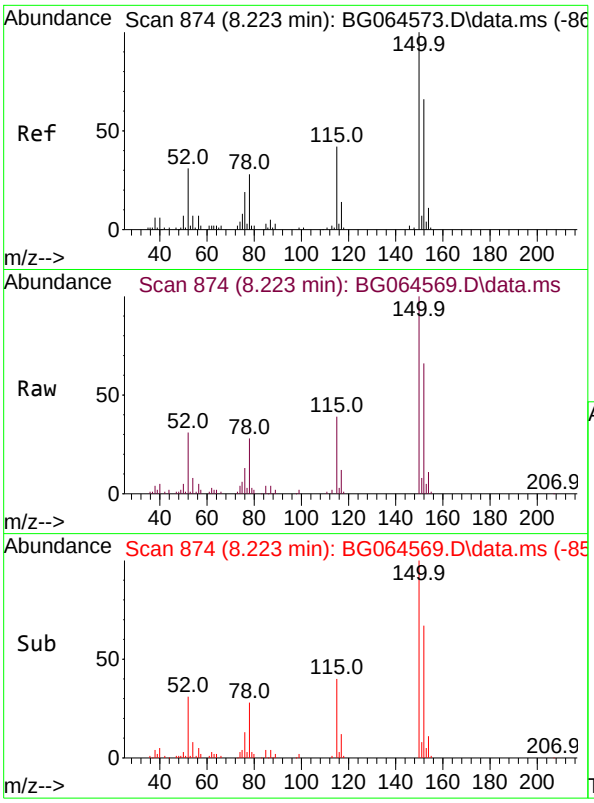
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 03 17:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration



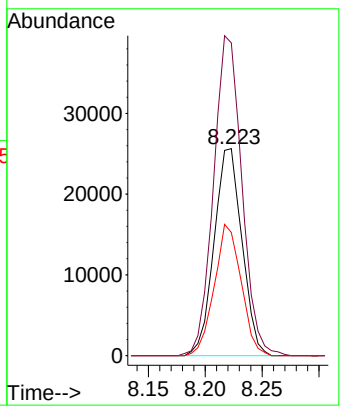


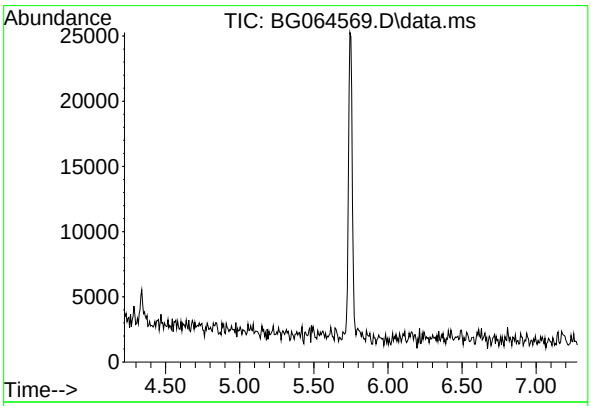
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 43718

Ion	Ratio	Lower	Upper
152	100		
150	151.2	122.2	183.4
115	59.5	50.8	76.2



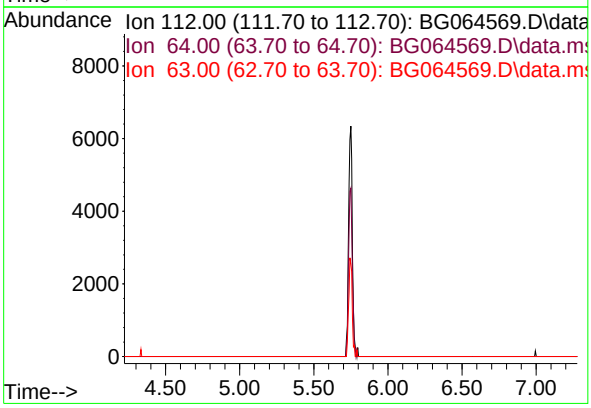


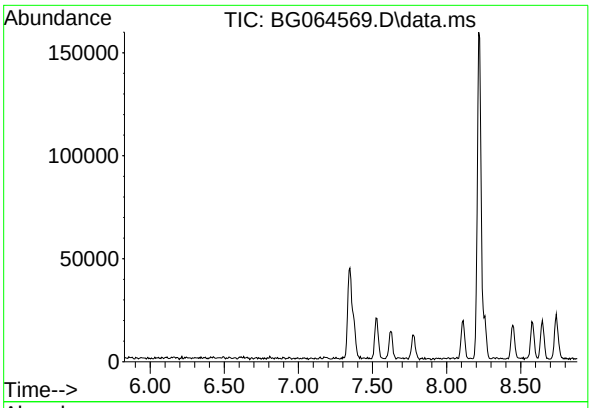
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.75 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	75.9
63	41.7





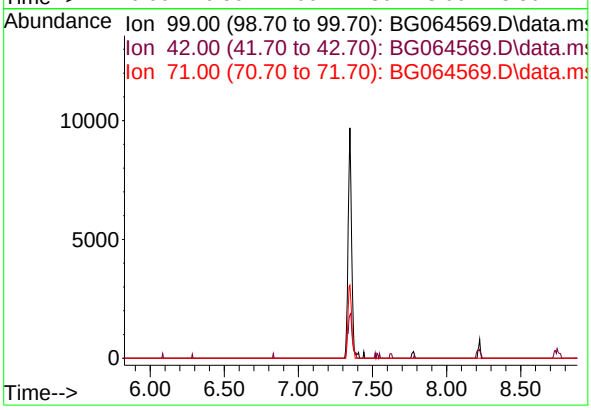
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.35 min

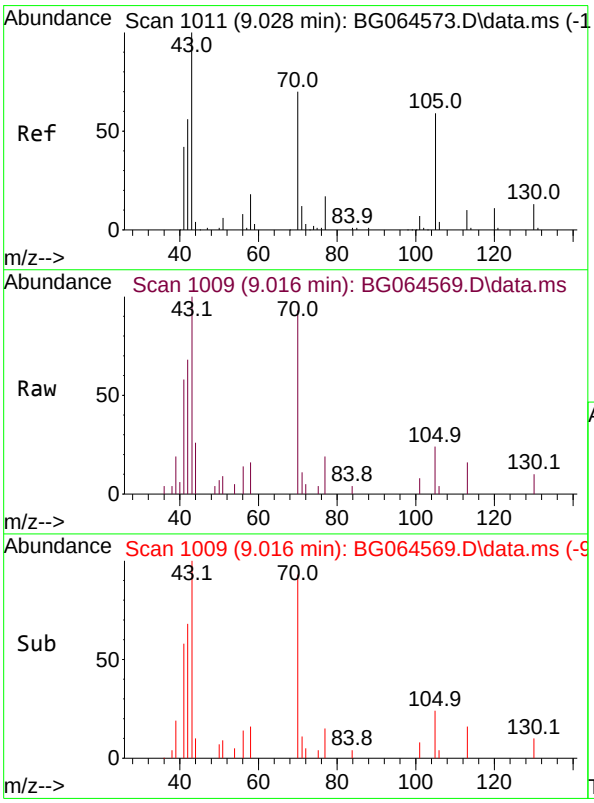
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	22.9
71	35.8

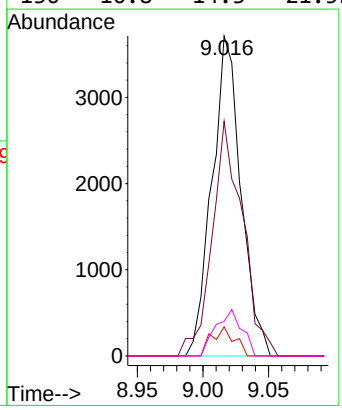


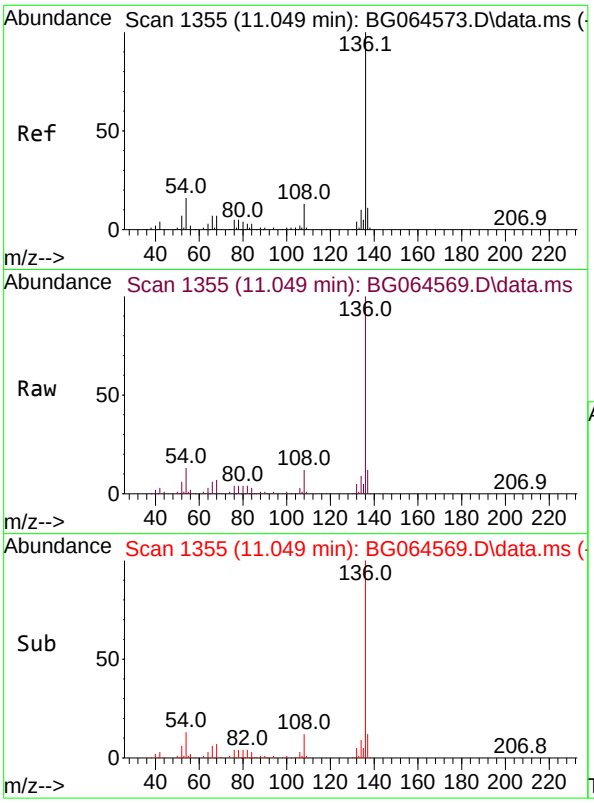


#19
n-Nitroso-di-n-propylamine
Concen: 2.310 ng
RT: 9.016 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 70 Resp: 5707

Ion	Ratio	Lower	Upper
70	100		
42	73.3	65.2	97.8
101	9.1	7.9	11.9
130	10.8	14.3	21.5#



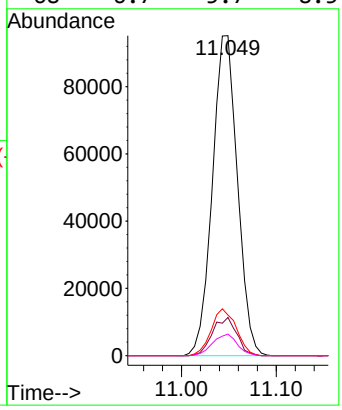


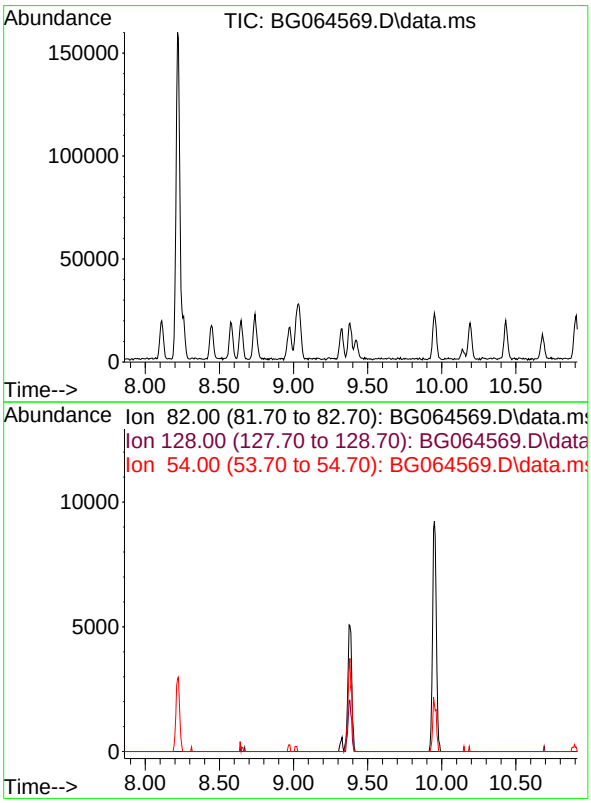
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 174680

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	12.7	12.6	19.0
68	6.7	5.7	8.5



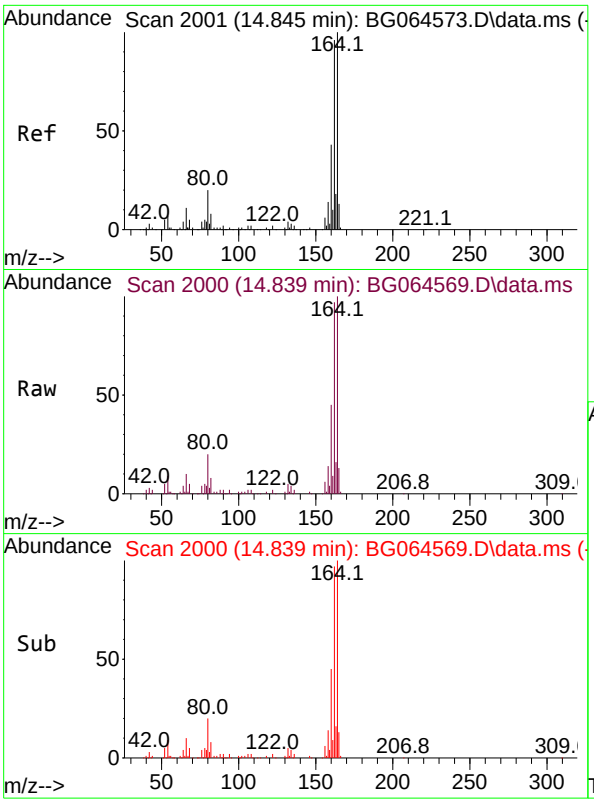


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.39 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	39.1
54	70.7

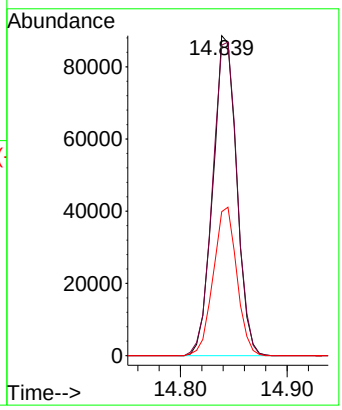


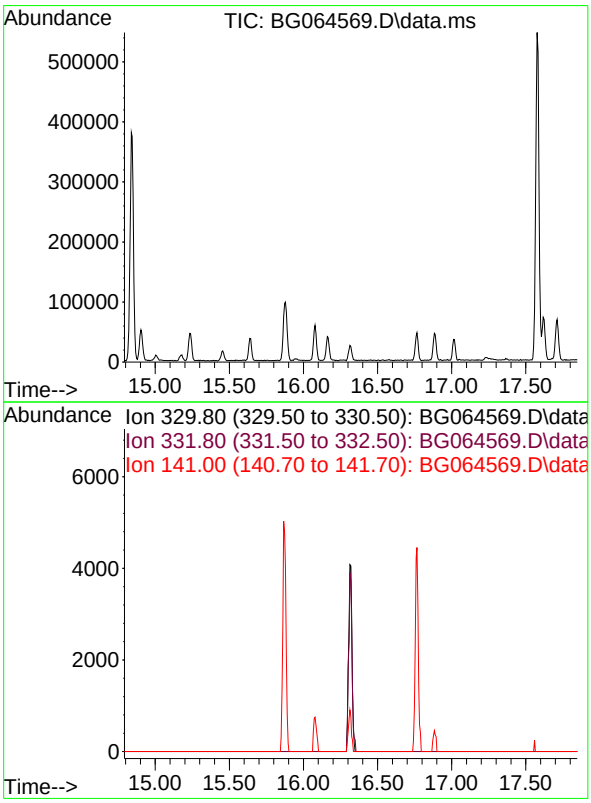
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 136814

Ion	Ratio	Lower	Upper
164	100		
162	97.0	77.0	115.6
160	45.0	34.4	51.6



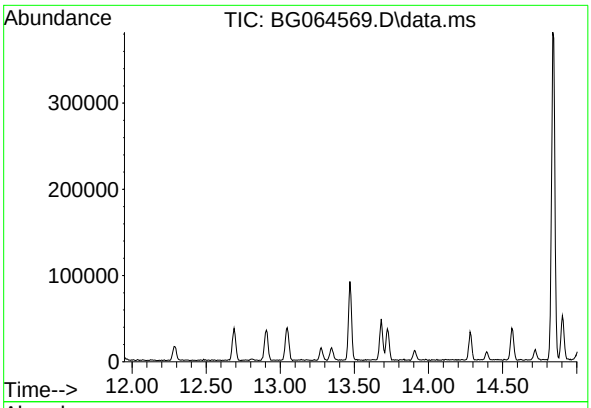


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.32 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	27.2



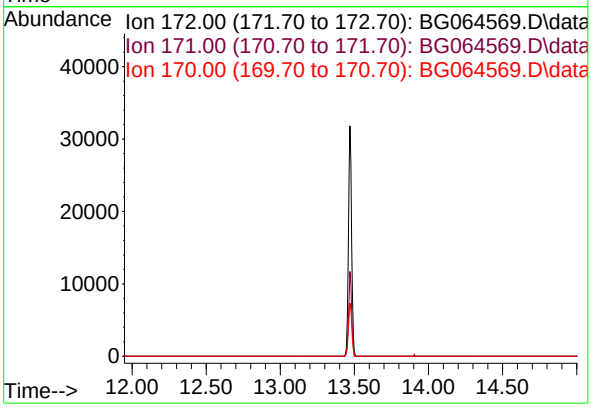
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.48 min

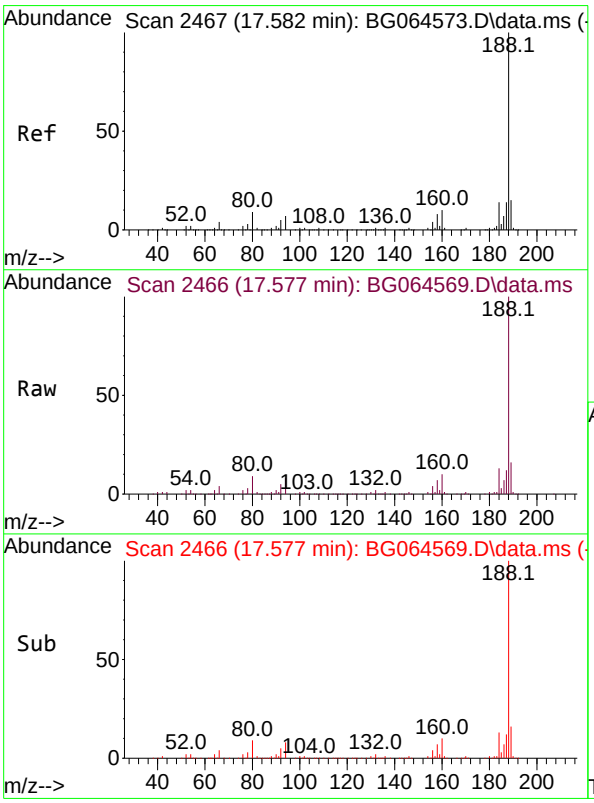
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	36.7
170	23.9

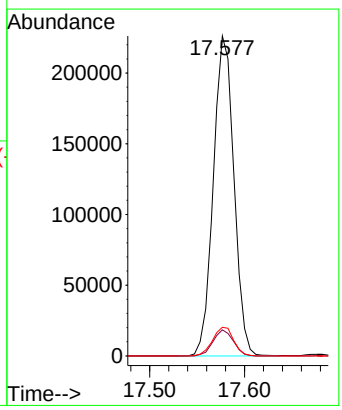


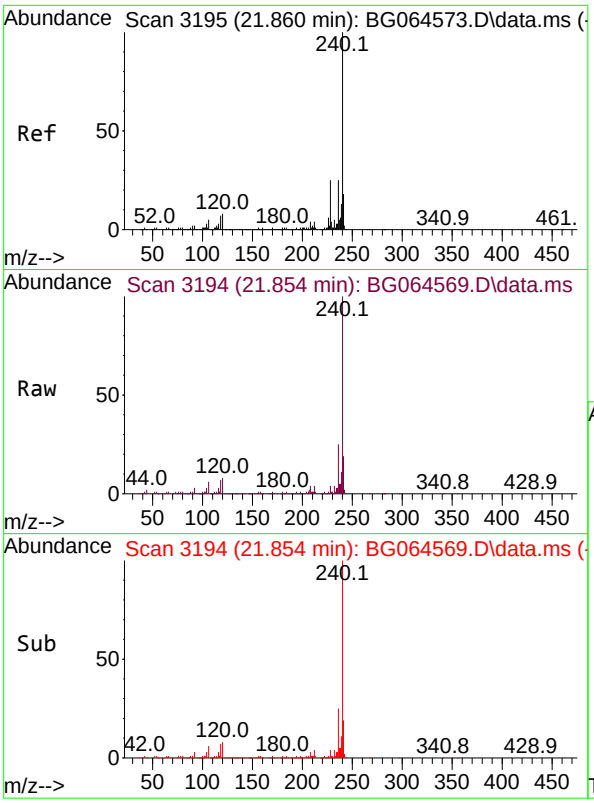


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion:188 Resp: 341404

Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.7	8.5
80	8.9	6.8	10.2



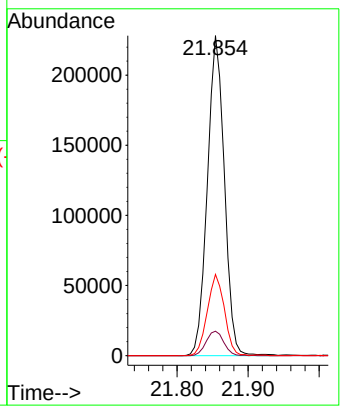


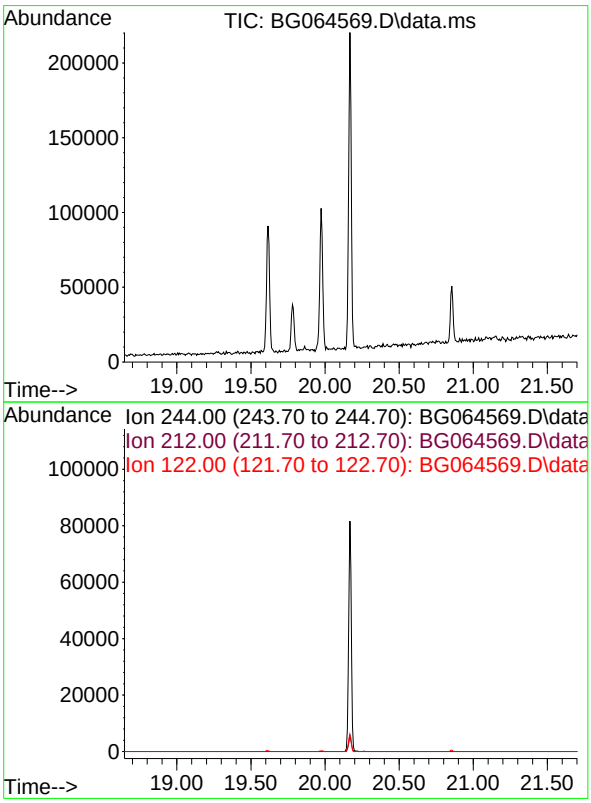
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 378586

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.4	20.2	30.2



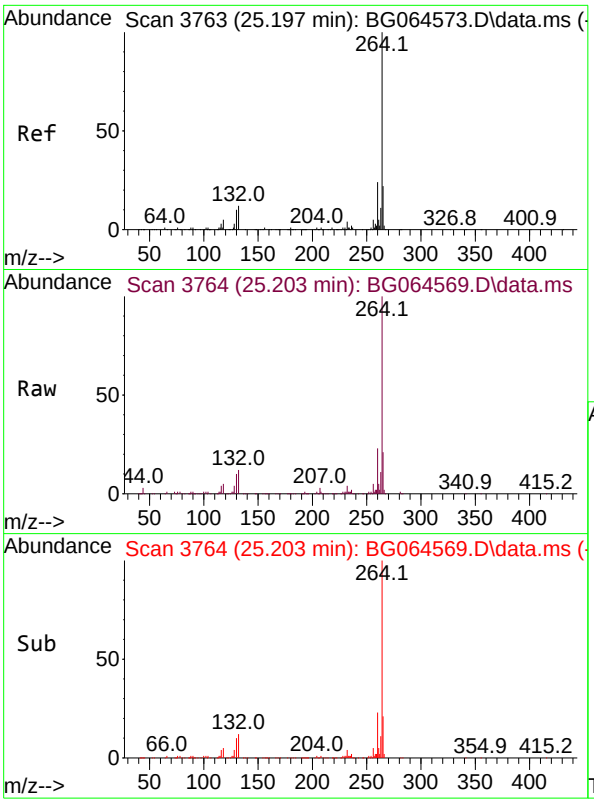


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.17 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.6
122	7.0

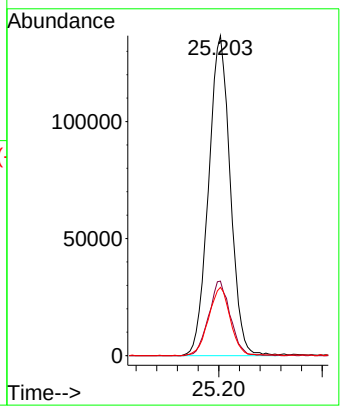


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.203 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 398350

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.3	17.6	26.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 03 17:58:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	40837	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	168287	20.000	ng	#	0.00
39) Acenaphthene-d10	14.840	164	131387	20.000	ng		0.00
64) Phenanthrene-d10	17.578	188	331372	20.000	ng		0.00
76) Chrysene-d12	21.856	240	381389	20.000	ng		0.00
86) Perylene-d12	25.199	264	401350	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.745	112	22421	9.216	ng		0.00
7) Phenol-d6	7.349	99	30003	8.987	ng		0.00
23) Nitrobenzene-d5	9.382	82	20097	7.173	ng		0.00
42) 2,4,6-Tribromophenol	16.315	330	14514	7.654	ng		0.00
45) 2-Fluorobiphenyl	13.471	172	86089	9.932	ng		0.00
79) Terphenyl-d14	20.169	244	204719	10.130	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.589	88	5823	5.406	ng		95
3) Pyridine	4.000	79	16637	5.143	ng		89
6) Aniline	7.525	93	22494	4.952	ng		98
8) 2-Chlorophenol	7.778	128	10732	4.214	ng		96
10) Phenol	7.373	94	16995	4.603	ng		96
11) bis(2-Chloroethyl)ether	7.619	93	13341	4.915	ng		95
12) 1,3-Dichlorobenzene	8.113	146	14650	4.998	ng		93
13) 1,4-Dichlorobenzene	8.260	146	14610m	4.902	ng		
14) 1,2-Dichlorobenzene	8.583	146	13994	4.868	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.736	45	34925	4.905	ng		97
17) 2-Methylphenol	8.648	107	11259	4.593	ng		97
18) Hexachloroethane	9.329	117	4773	4.564	ng		97
19) n-Nitroso-di-n-propyla...	9.024	70	10596	4.592	ng		92
22) Acetophenone	9.035	105	22505	4.892	ng	#	92
24) Nitrobenzene	9.423	77	11526	3.782	ng	#	95
25) Isophorone	9.946	82	31609	4.701	ng	#	93
26) 2-Nitrophenol	10.140	139	3186	5.664	ng		99
27) 2,4-Dimethylphenol	10.193	122	9925	3.969	ng		92
28) bis(2-Chloroethoxy)met...	10.434	93	18999	4.963	ng		95
29) 2,4-Dichlorophenol	10.680	162	10223	3.798	ng		89
30) 1,2,4-Trichlorobenzene	10.904	180	14238	4.656	ng		97
31) Naphthalene	11.098	128	45559	4.883	ng		98
33) 4-Chloroaniline	11.186	127	16429	4.530	ng		93
34) Hexachlorobutadiene	11.391	225	11212	4.688	ng		95
36) 4-Chloro-3-methylphenol	12.290	107	13604	4.205	ng		94
37) 2-Methylnaphthalene	12.690	142	32129	4.690	ng		97
38) 1-Methylnaphthalene	12.901	142	33565m	4.951	ng		
40) 1,2,4,5-Tetrachloroben...	13.048	216	21576	4.893	ng		99
43) 2,4,6-Trichlorophenol	13.277	196	9650	3.826	ng		93
44) 2,4,5-Trichlorophenol	13.342	196	11151	3.831	ng	#	91
46) 1,1'-Biphenyl	13.683	154	47840	5.122	ng		95
47) 2-Chloronaphthalene	13.724	162	34977	4.961	ng		96
48) 2-Nitroaniline	13.906	65	6601	5.826	ng		87
49) Acenaphthylene	14.564	152	54748	4.923	ng		98
50) Dimethylphthalate	14.282	163	45639	4.540	ng		98
51) 2,6-Dinitrotoluene	14.394	165	4161	5.535	ng	#	91

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 03 17:58:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.905	154	36982	4.867	ng		96
53) 3-Nitroaniline	14.717	138	5903	3.417	ng	#	96
55) Dibenzofuran	15.234	168	61779	5.029	ng		97
57) 2,4-Dinitrotoluene	15.175	165	7312	5.721	ng	#	80
58) Fluorene	15.880	166	48305	5.035	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.451	232	10241	3.679	ng	#	95
60) Diethylphthalate	15.639	149	46534	4.533	ng		98
61) 4-Chlorophenyl-phenyle...	15.874	204	26270	4.880	ng		97
62) 4-Nitroaniline	15.869	138	6383	3.321	ng		90
63) Azobenzene	16.162	77	44729	4.749	ng		98
66) n-Nitrosodiphenylamine	16.080	169	42291	4.725	ng		98
67) 4-Bromophenyl-phenylether	16.762	248	18064	4.600	ng		95
68) Hexachlorobenzene	16.885	284	21076	4.705	ng		95
69) Atrazine	17.014	200	17783	4.616	ng		94
71) Phenanthrene	17.619	178	89771	4.954	ng		99
72) Anthracene	17.713	178	90063	4.886	ng		99
73) Carbazole	17.966	167	81350	5.005	ng		98
74) Di-n-butylphthalate	18.530	149	83713	4.454	ng		99
75) Fluoranthene	19.617	202	114724	5.054	ng		98
78) Pyrene	19.975	202	122676	4.923	ng		98
80) Butylbenzylphthalate	20.857	149	27072	3.595	ng		94
81) Benzo(a)anthracene	21.832	228	123345	4.878	ng		98
83) Chrysene	21.903	228	119080	4.949	ng		97
84) Bis(2-ethylhexyl)phtha...	21.750	149	46117	4.098	ng		98
87) Indeno(1,2,3-cd)pyrene	29.030	276	138758	4.700	ng	#	88
88) Benzo(b)fluoranthene	24.129	252	114203	4.640	ng		98
89) Benzo(k)fluoranthene	24.200	252	117893	4.787	ng		99
90) Benzo(a)pyrene	25.040	252	106414	4.704	ng		99
91) Dibenzo(a,h)anthracene	29.100	278	112398	4.686	ng		96
92) Benzo(g,h,i)perylene	30.216	276	108407	4.731	ng		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

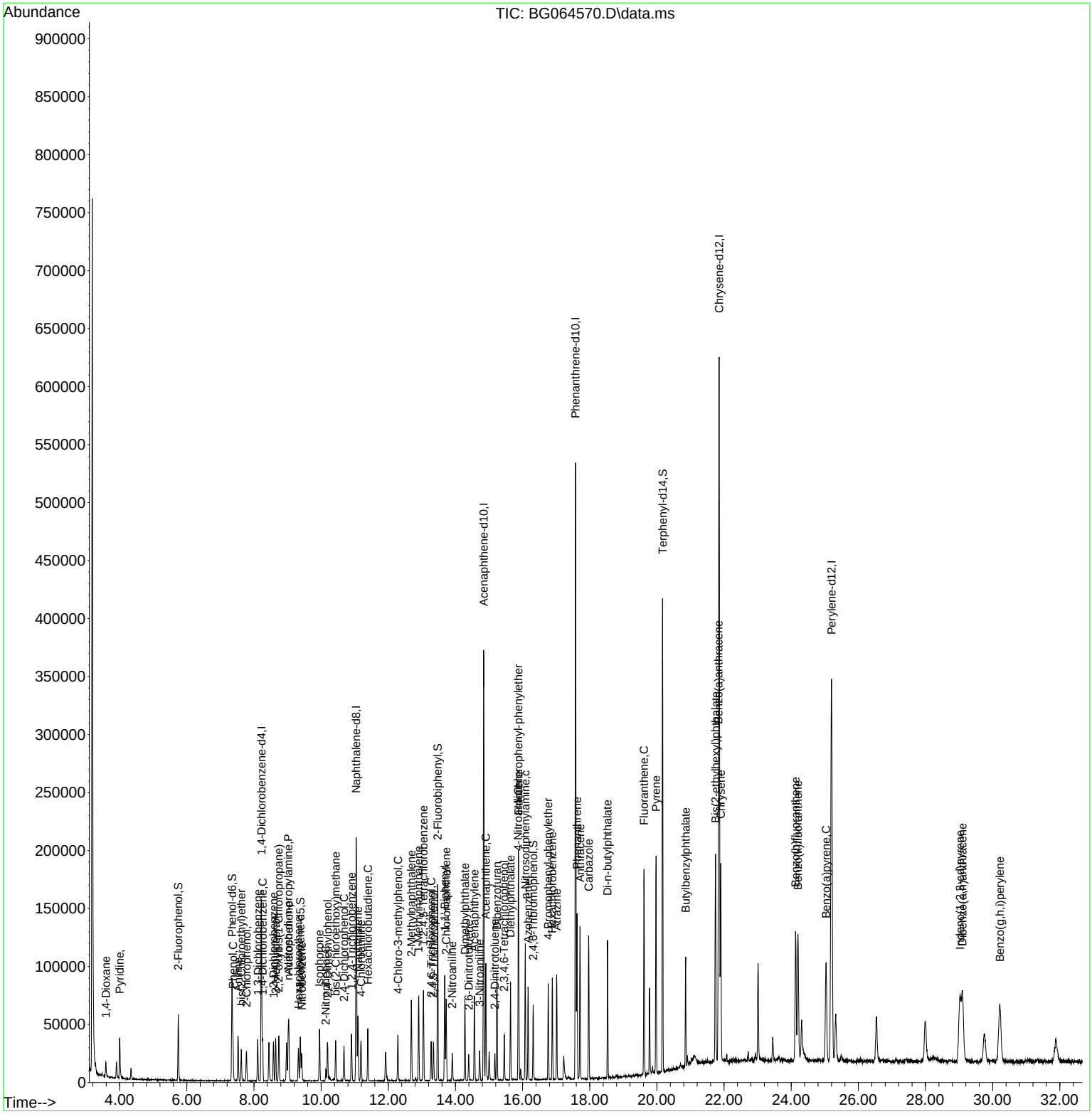
ICAL Form

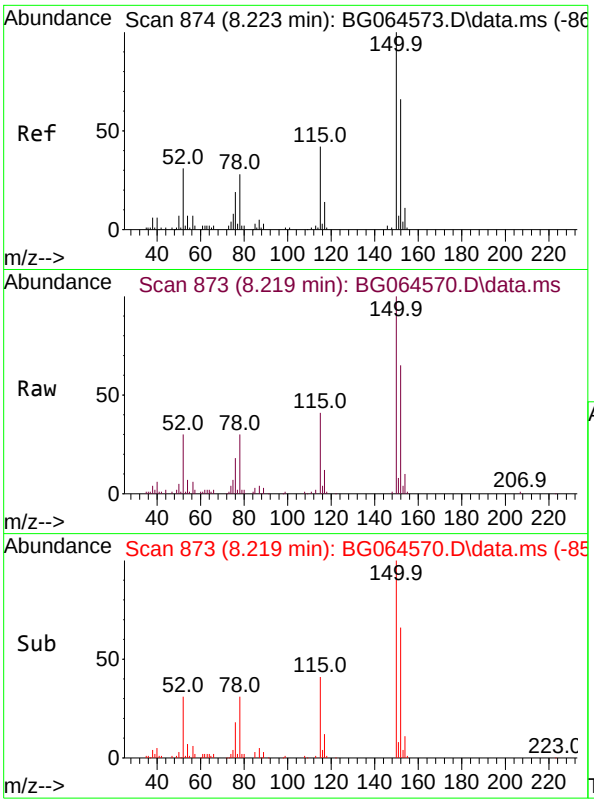
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 03 17:58:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

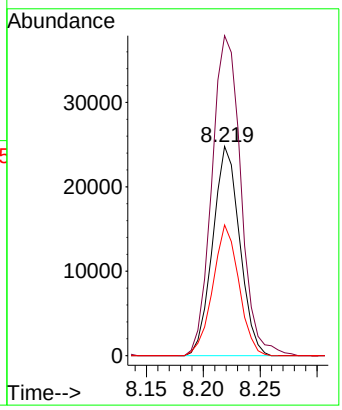
Tgt Ion:152 Resp: 4083

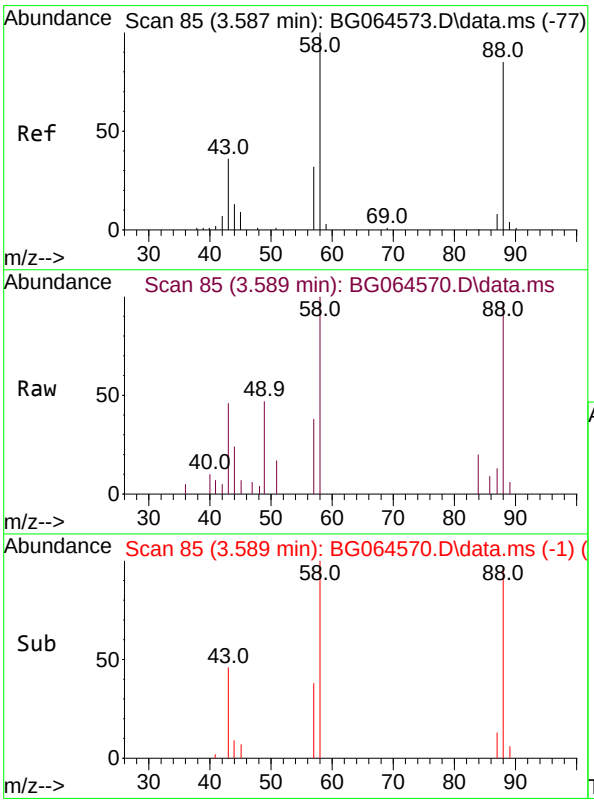
Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.2	183.4
115	62.5	50.8	76.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

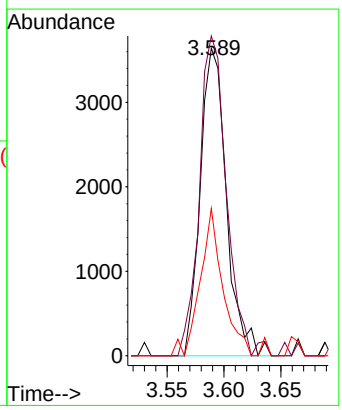


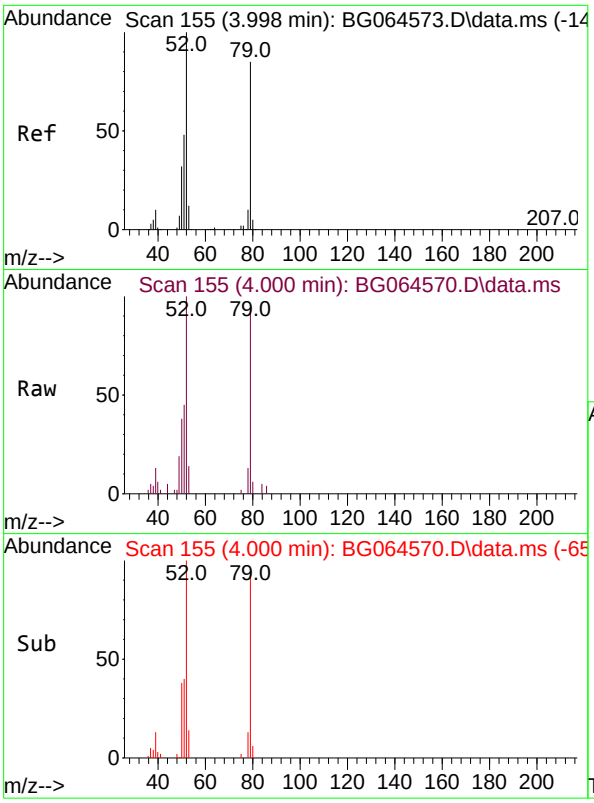


#2
1,4-Dioxane
Concen: 5.406 ng
RT: 3.589 min Scan# 85
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 88 Resp: 5823

Ion	Ratio	Lower	Upper
88	100		
58	108.0	92.4	138.6
43	41.6	33.0	49.6





#3
Pyridine
Concen: 5.143 ng
RT: 4.000 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

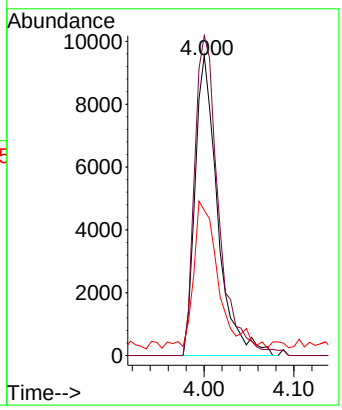
Tgt Ion: 79 Resp: 1663

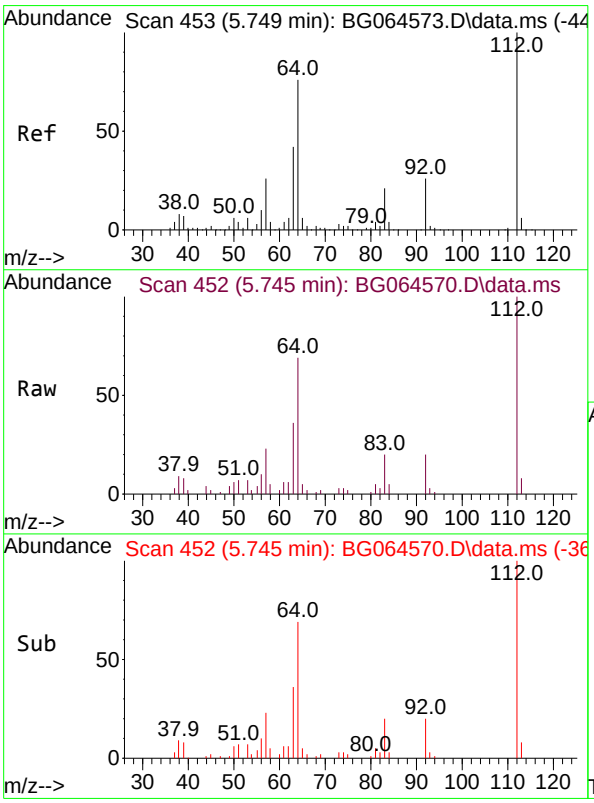
Ion	Ratio	Lower	Upper
79	100		
52	106.6	94.2	141.2
51	48.4	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

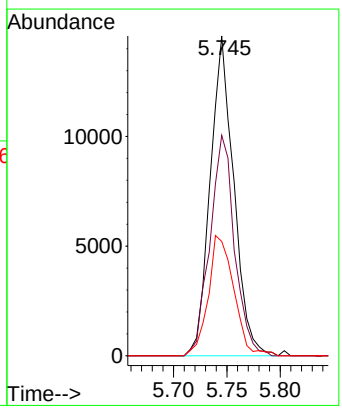


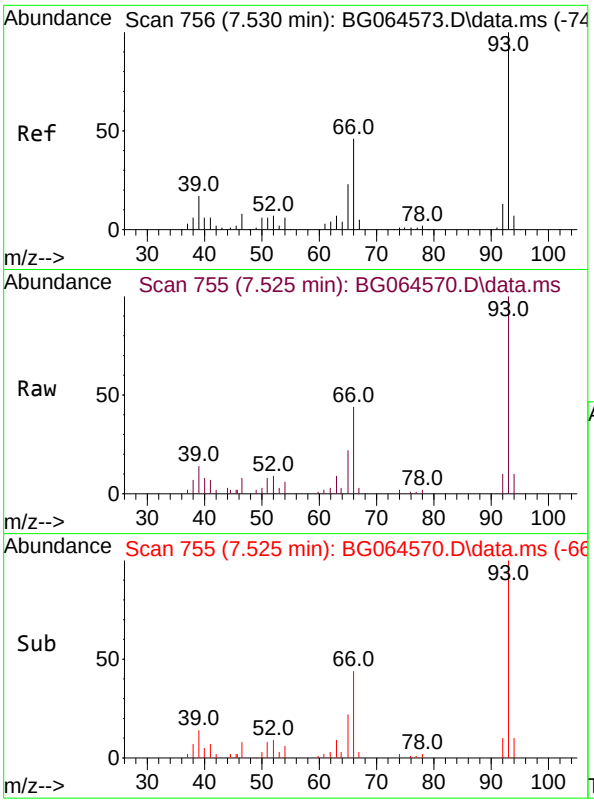


#5
2-Fluorophenol
Concen: 9.216 ng
RT: 5.745 min Scan# 452
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:112 Resp: 22421

Ion	Ratio	Lower	Upper
112	100		
64	68.9	60.7	91.1
63	35.8	33.4	50.0





#6
Aniline
Concen: 4.952 ng
RT: 7.525 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 22494

Ion	Ratio	Lower	Upper
93	100		
66	44.4	37.0	55.6
65	22.0	18.3	27.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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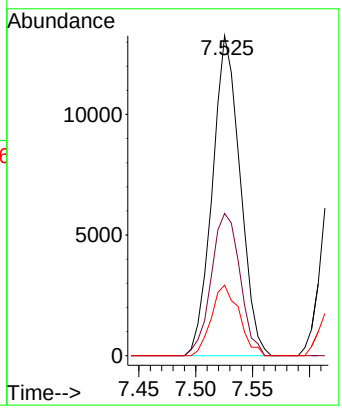
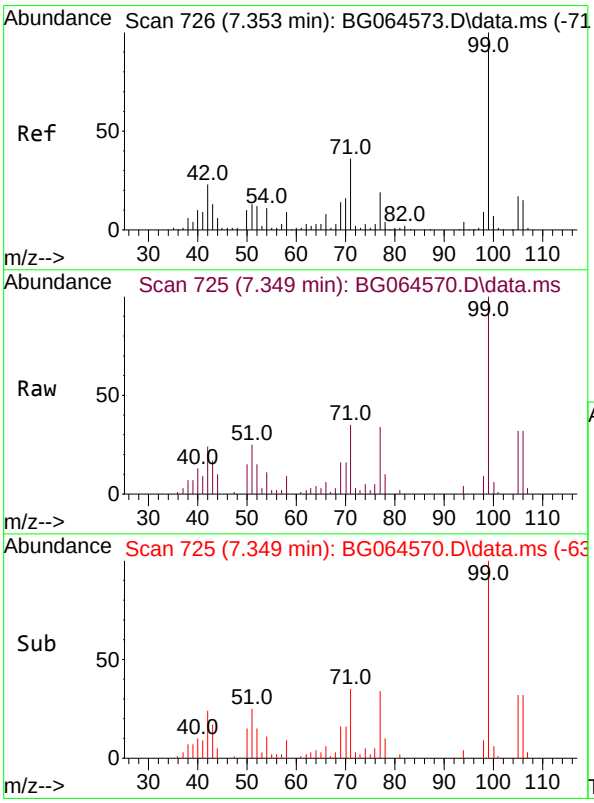
Supervised By :mohammad ahmed 11/05/2025

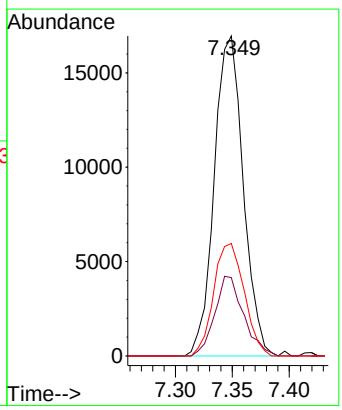


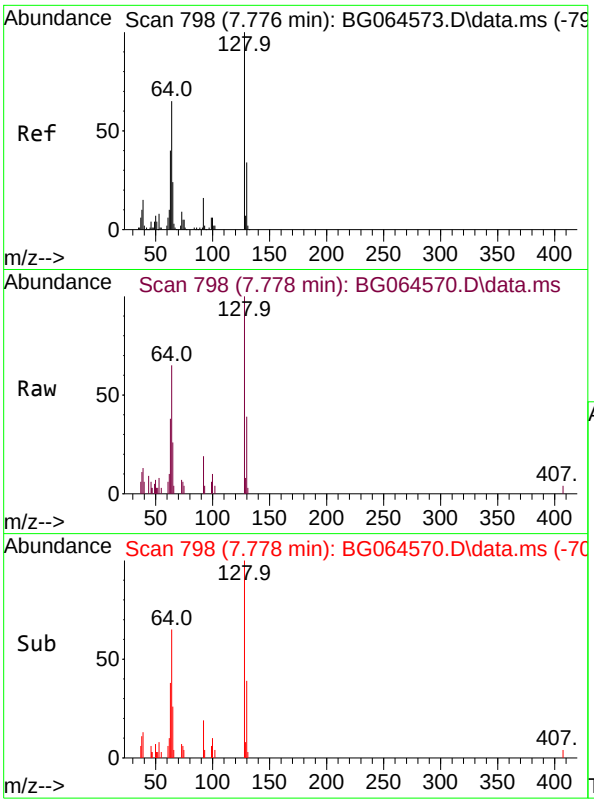


#7
Phenol-d6
Concen: 8.987 ng
RT: 7.349 min Scan# 725
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 99 Resp: 30003

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.3	27.5
71	35.1	28.6	43.0





#8
2-Chlorophenol
Concen: 4.214 ng
RT: 7.778 min Scan# 79
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:128 Resp: 1073

Ion	Ratio	Lower	Upper
128	100		
130	39.4	13.5	53.5
64	65.2	45.2	85.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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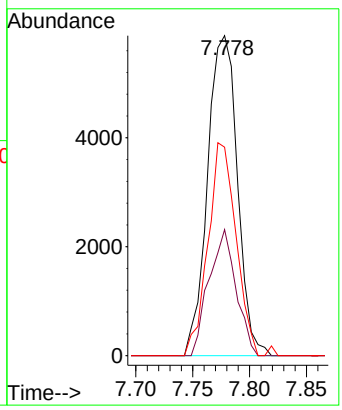
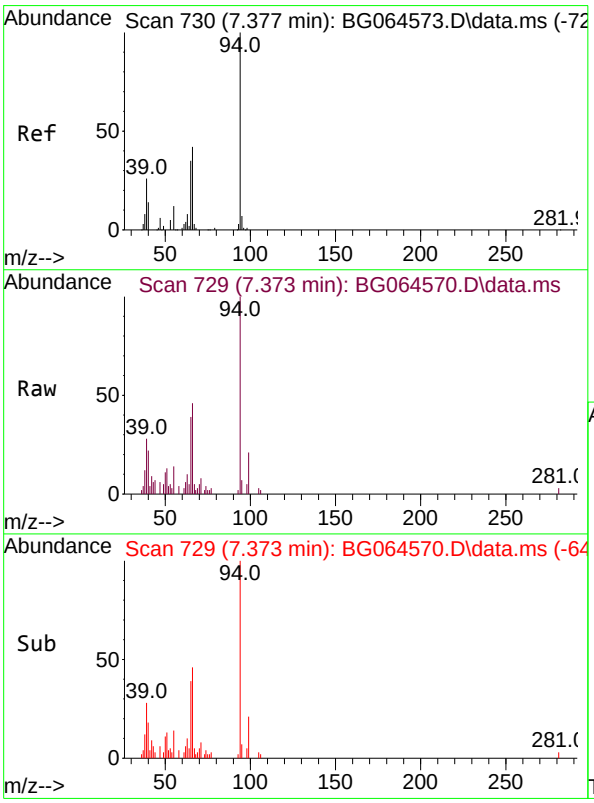
Supervised By :mohammad ahmed 11/05/2025

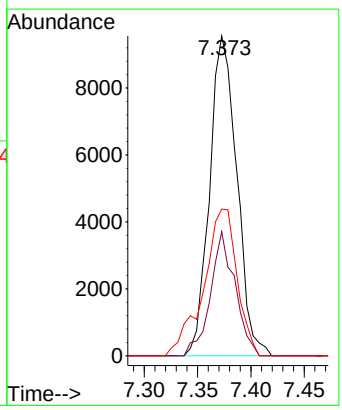


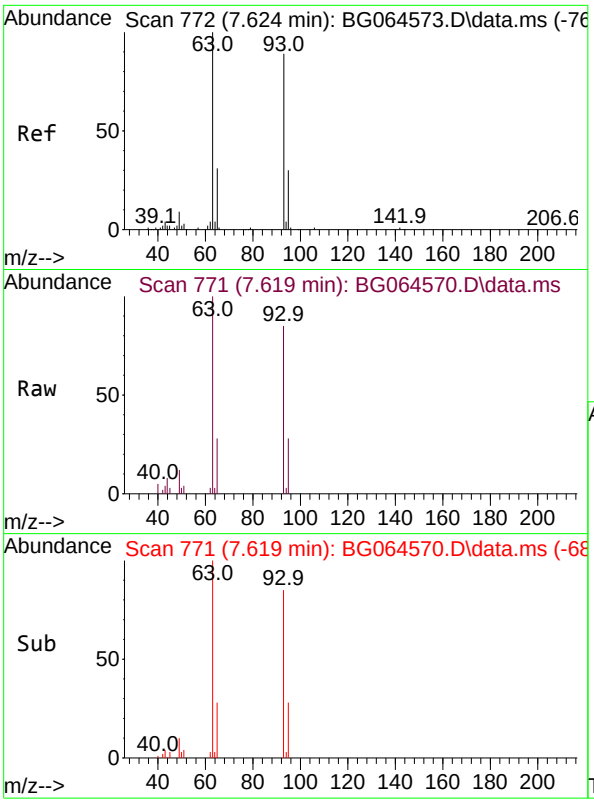


#10
Phenol
Concen: 4.603 ng
RT: 7.373 min Scan# 729
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 94 Resp: 16995

Ion	Ratio	Lower	Upper
94	100		
65	38.8	15.8	55.8
66	45.9	24.0	64.0





#11
bis(2-Chloroethyl)ether
Concen: 4.915 ng
RT: 7.619 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 1334

Ion	Ratio	Lower	Upper
93	100		
63	117.0	91.3	131.3
95	32.3	13.3	53.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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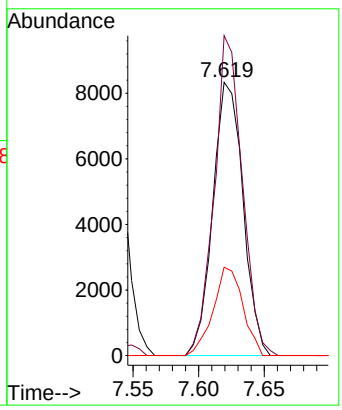
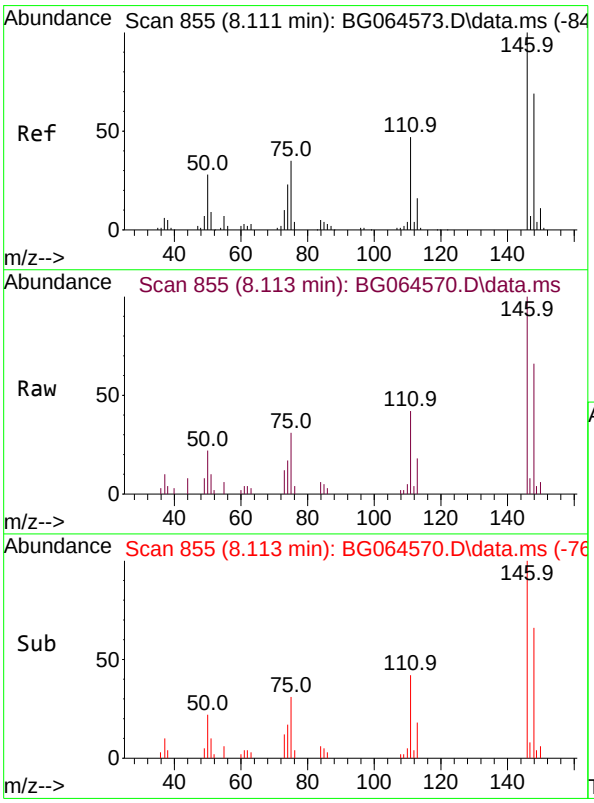
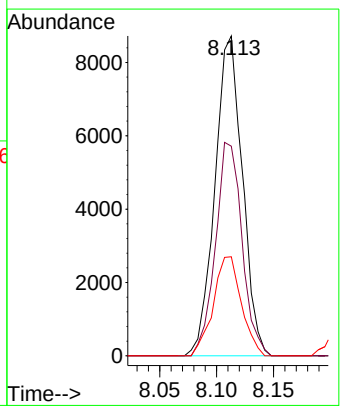


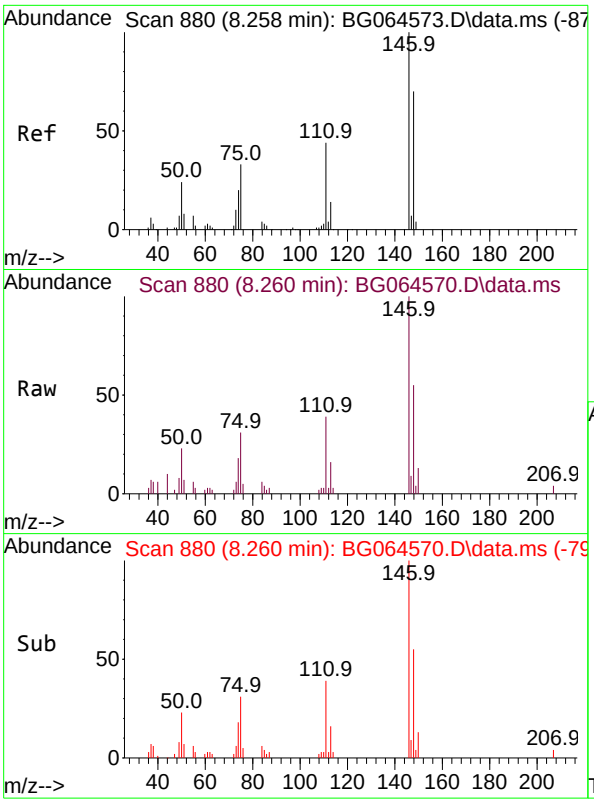


#12
1,3-Dichlorobenzene
Concen: 4.998 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 14650

Ion	Ratio	Lower	Upper
146	100		
148	64.6	55.3	82.9
75	28.7	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 4.902 ng m
RT: 8.260 min Scan# 88
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 14610

Ion	Ratio	Lower	Upper
146	100		
148	54.9	56.2	84.4#
111	38.6	35.4	53.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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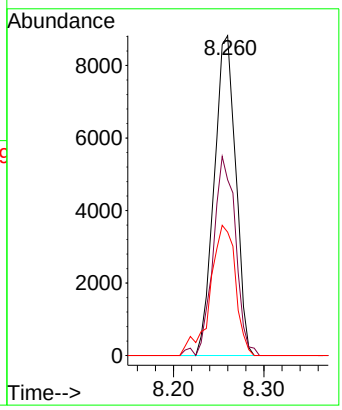
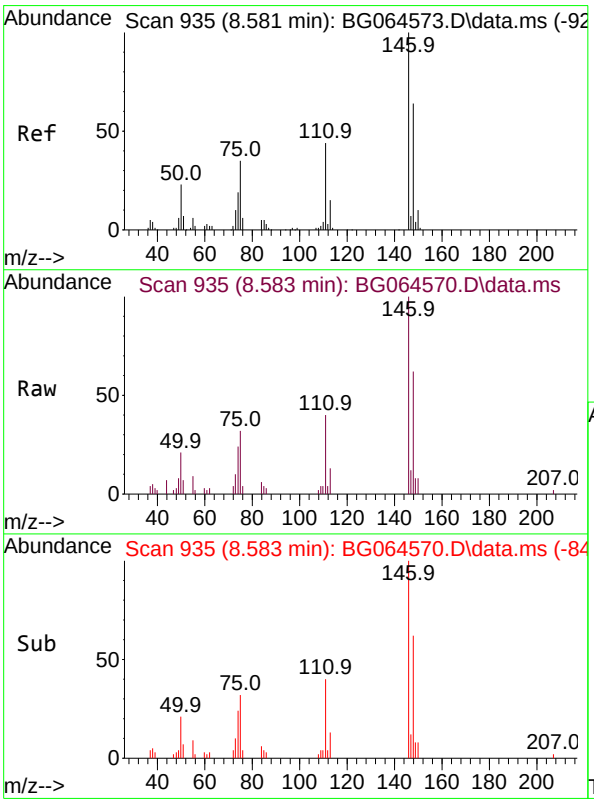
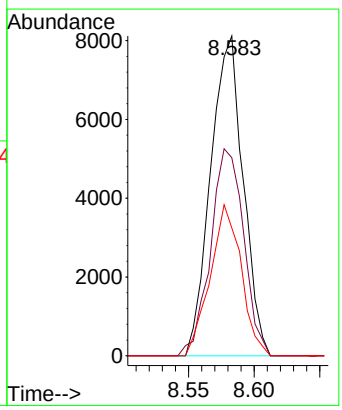


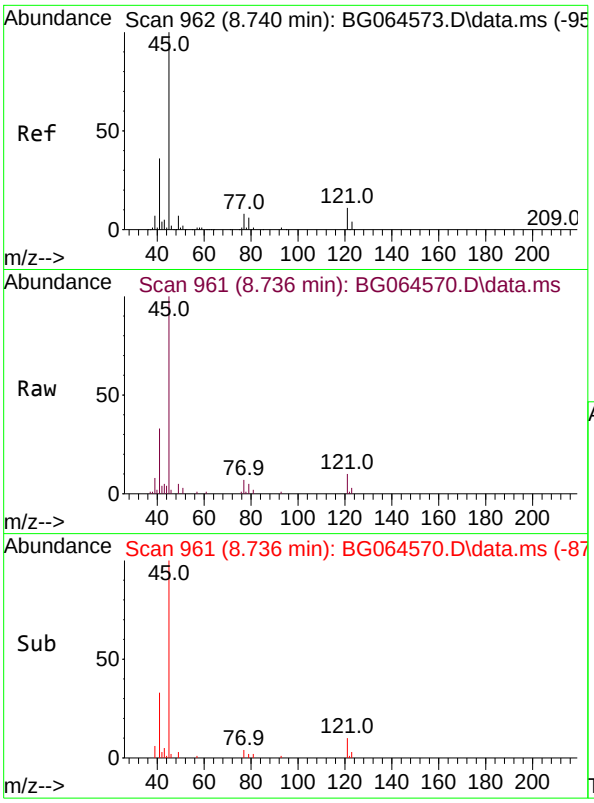


#14
1,2-Dichlorobenzene
Concen: 4.868 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 13994

Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.5	77.3
111	40.0	35.0	52.6





#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.905 ng
RT: 8.736 min Scan# 9
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 3492

Ion	Ratio	Lower	Upper
45	100		
77	7.1	0.0	28.5
79	5.0	0.0	25.6

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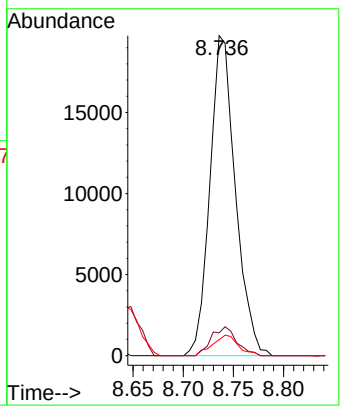
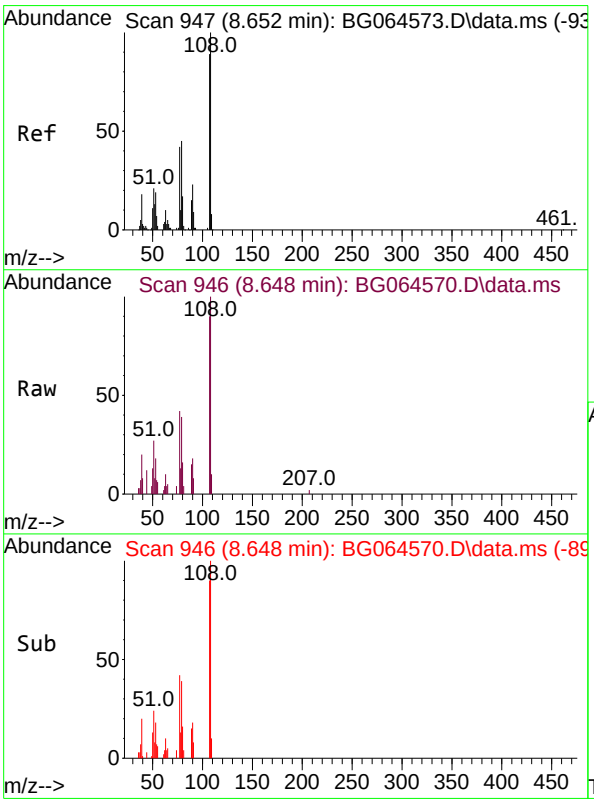
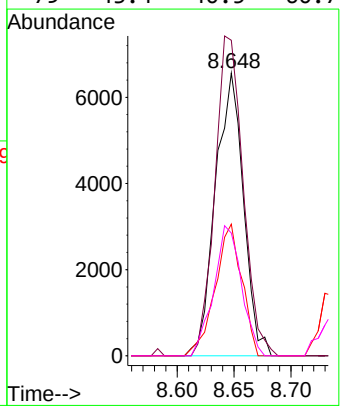


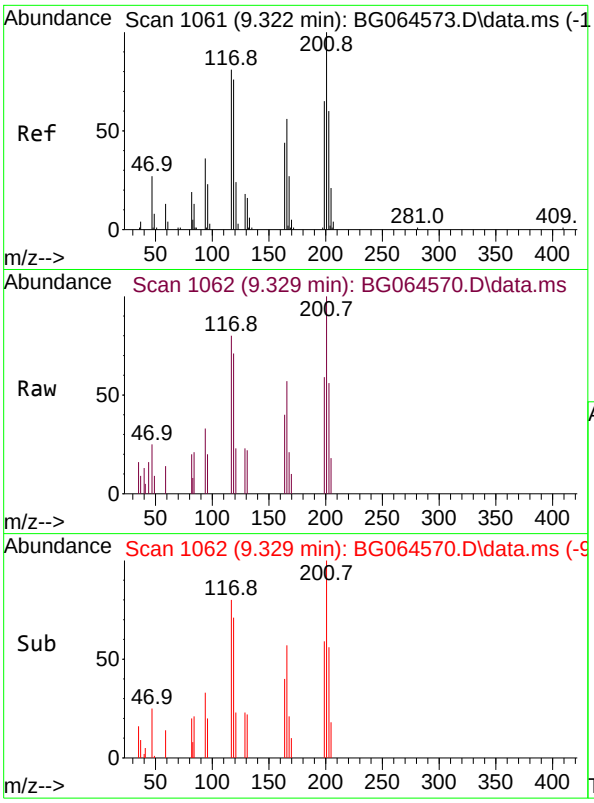


#17
2-Methylphenol
Concen: 4.593 ng
RT: 8.648 min Scan# 946
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:107 Resp: 11259

Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.0	135.0
77	46.6	37.8	56.8
79	43.4	40.5	60.7





#18
Hexachloroethane
Concen: 4.564 ng
RT: 9.329 min Scan# 1(
Delta R.T. 0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:117 Resp: 477

Ion	Ratio	Lower	Upper
117	100		
119	88.0	75.4	113.2
201	124.2	99.2	148.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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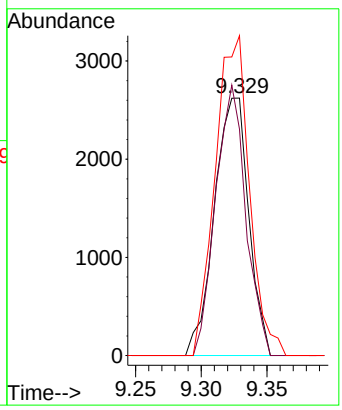
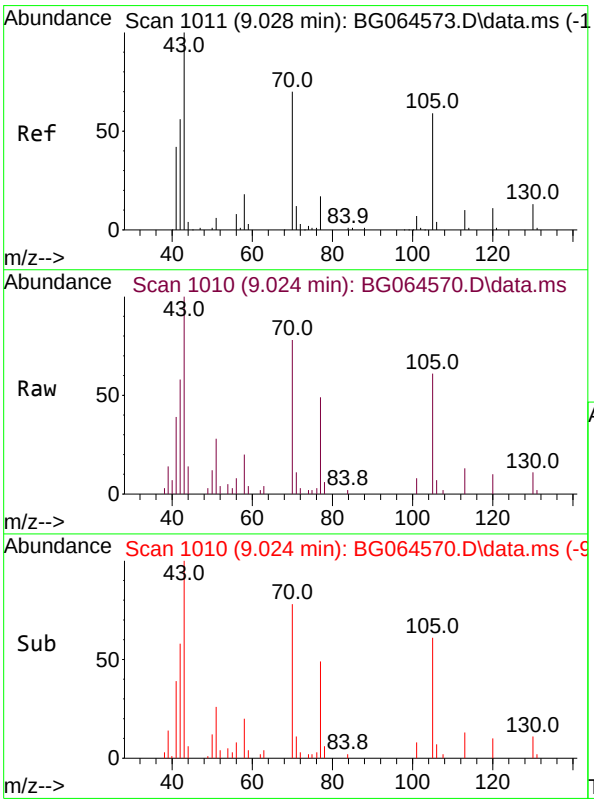
Supervised By :mohammad ahmed 11/05/2025

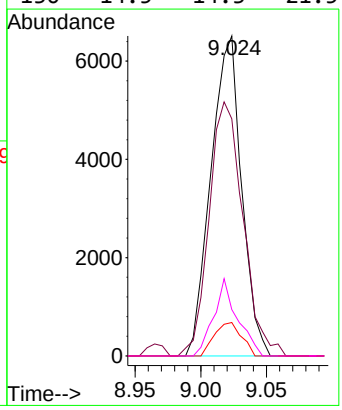


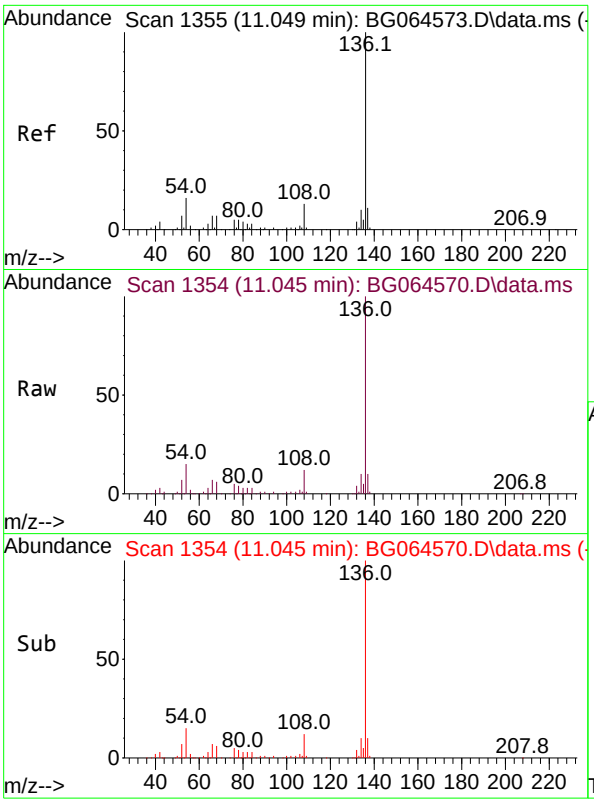


#19
n-Nitroso-di-n-propylamine
Concen: 4.592 ng
RT: 9.024 min Scan# 1010
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 70 Resp: 10596

Ion	Ratio	Lower	Upper
70	100		
42	74.1	65.2	97.8
101	10.4	7.9	11.9
130	14.5	14.3	21.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:136 Resp: 16828

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	15.4	12.6	19.0
68	5.6	5.7	8.5#

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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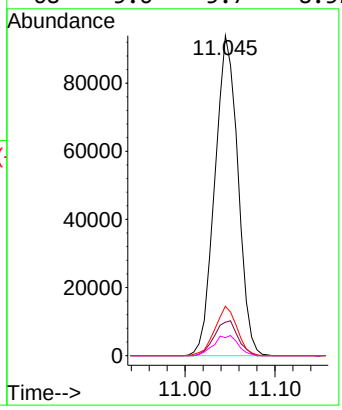
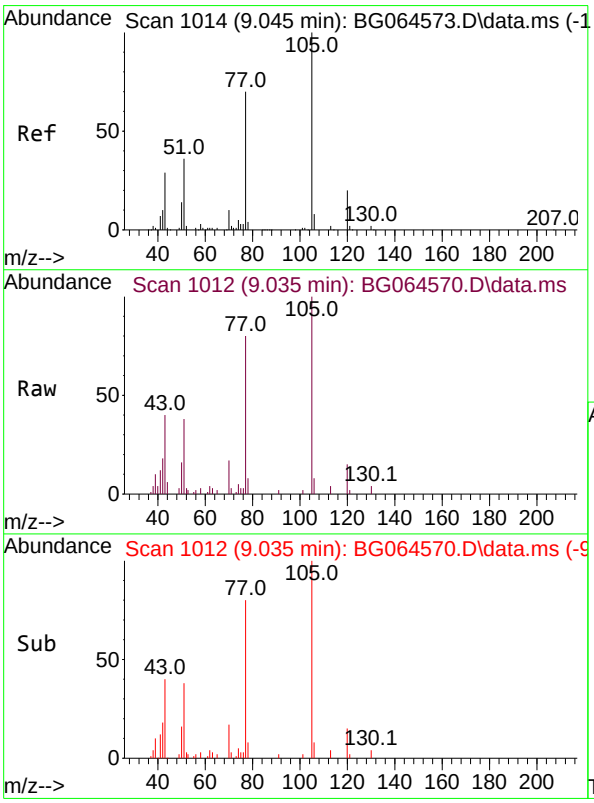
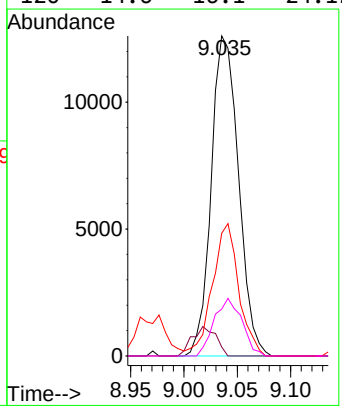


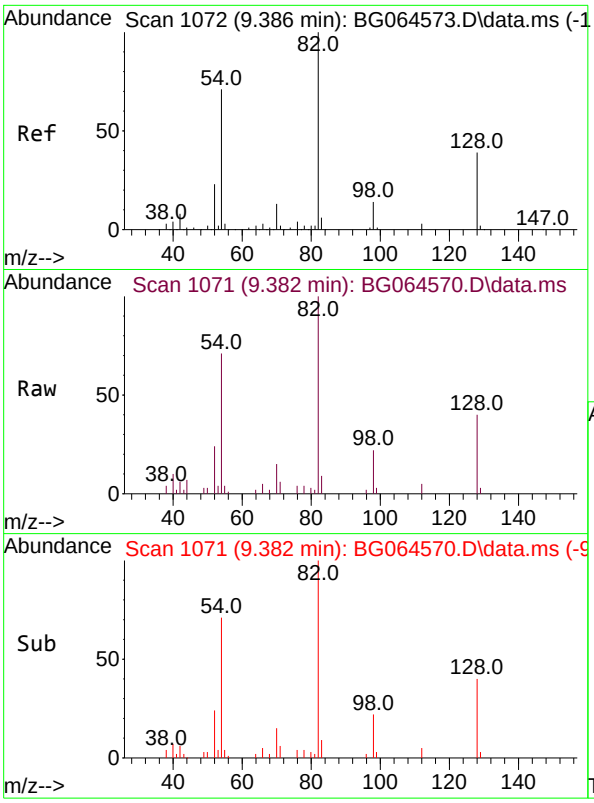


#22
Acetophenone
Concen: 4.892 ng
RT: 9.035 min Scan# 1012
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:105 Resp: 22505

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.5	2.3#
51	38.4	33.7	50.5
120	14.6	16.1	24.1#





#23
Nitrobenzene-d5
Concen: 7.173 ng
RT: 9.382 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 82 Resp: 2009

Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.3	46.9
54	71.0	56.6	84.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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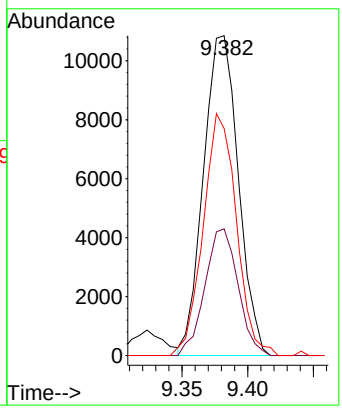
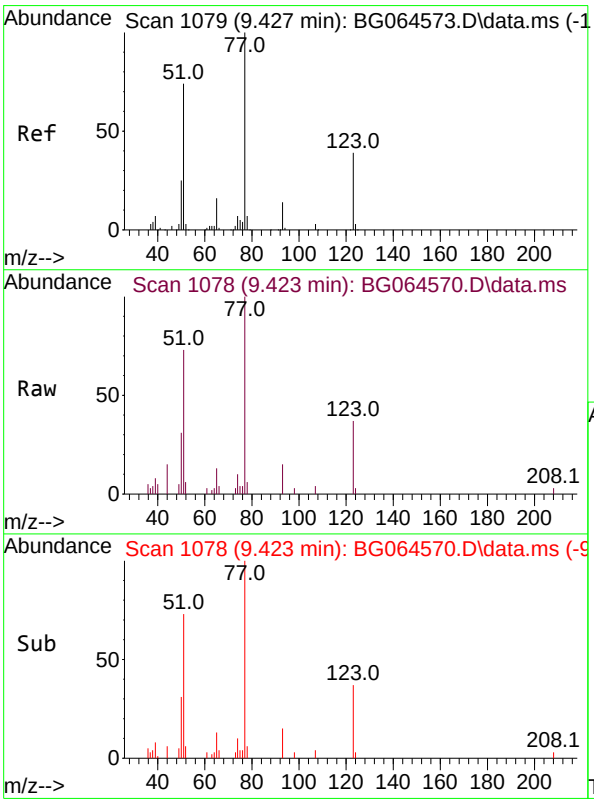
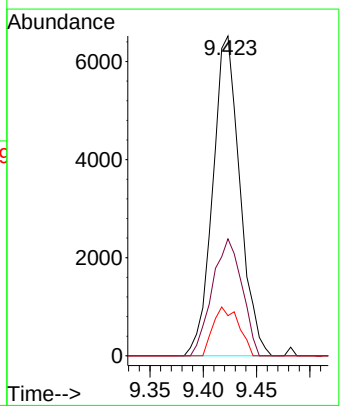


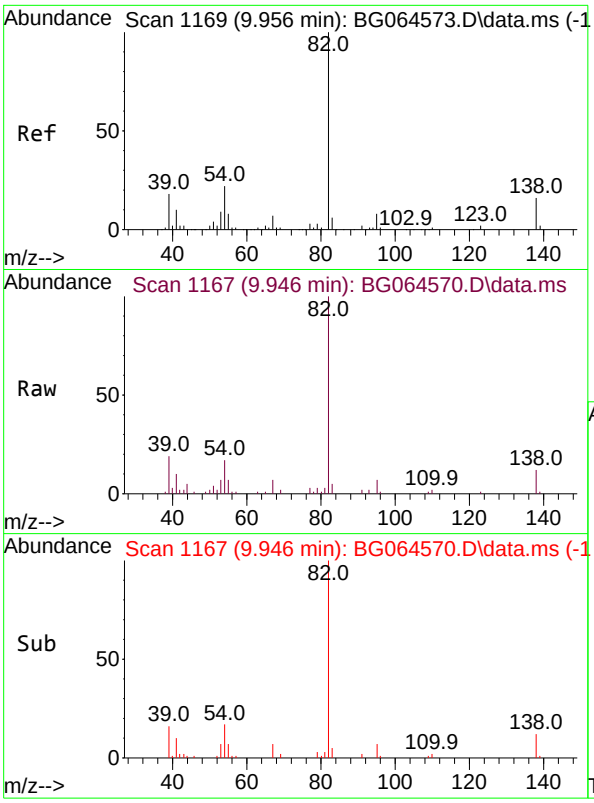


#24
Nitrobenzene
Concen: 3.782 ng
RT: 9.423 min Scan# 1078
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 77 Resp: 11526

Ion	Ratio	Lower	Upper
77	100		
123	36.6	31.0	46.6
65	12.6	12.7	19.1#





#25
Isophorone
Concen: 4.701 ng
RT: 9.946 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 82 Resp: 31609

Ion	Ratio	Lower	Upper
82	100		
95	7.2	6.1	9.1
138	12.3	13.0	19.4#

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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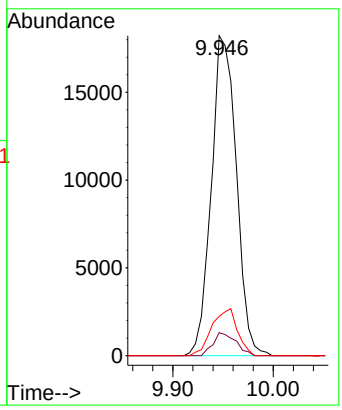
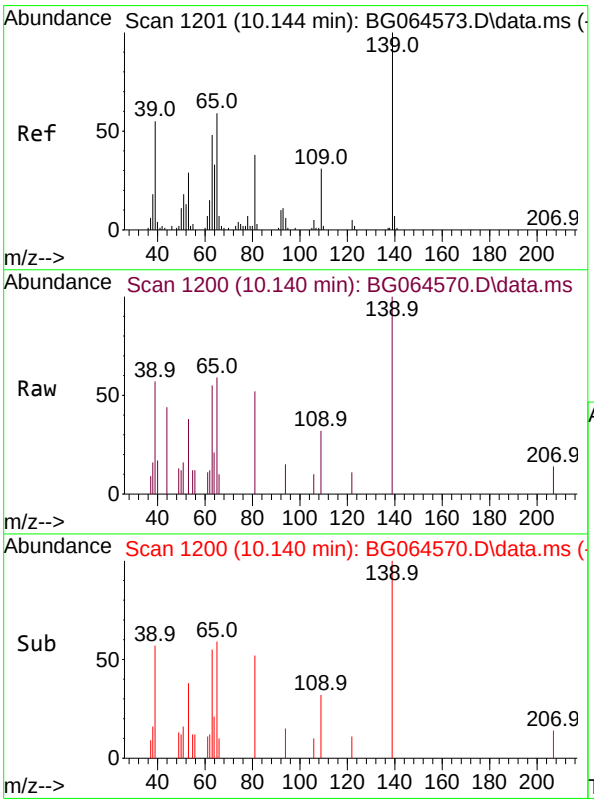
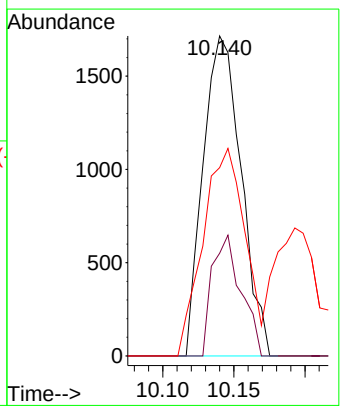


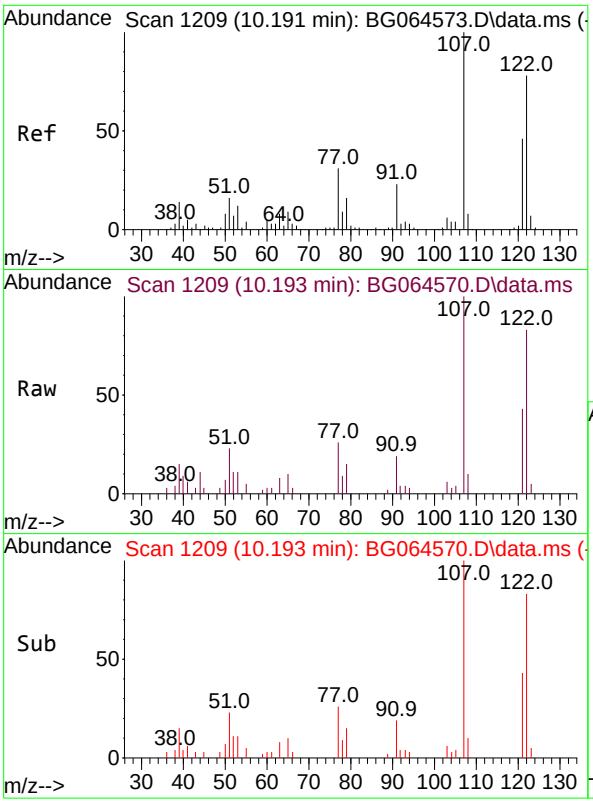


#26
2-Nitrophenol
Concen: 5.664 ng
RT: 10.140 min Scan# 1200
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:139 Resp: 3186

Ion	Ratio	Lower	Upper
139	100		
109	32.1	24.6	37.0
65	58.9	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 3.969 ng
RT: 10.193 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:122 Resp: 992

Ion	Ratio	Lower	Upper
122	100		
107	121.0	103.0	154.4
121	51.7	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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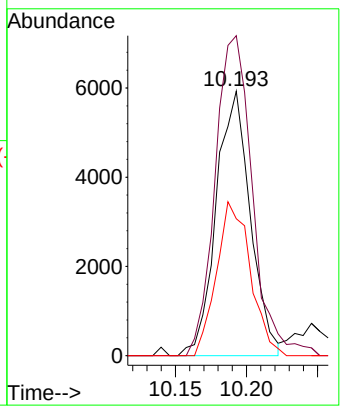
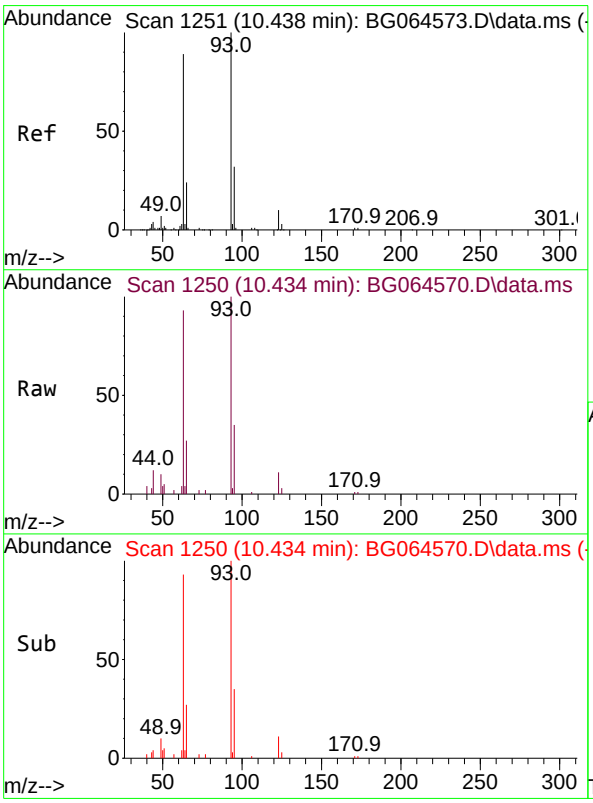
Supervised By :mohammad ahmed 11/05/2025

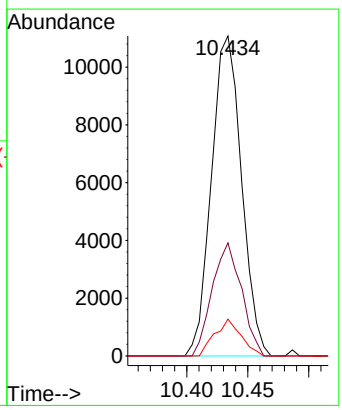


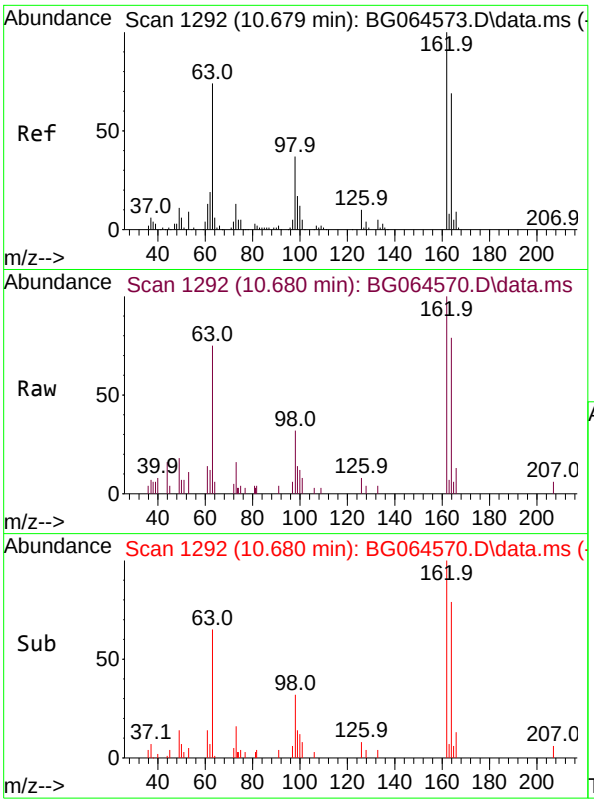


#28
bis(2-Chloroethoxy)methane
Concen: 4.963 ng
RT: 10.434 min Scan# 1250
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 18999

Ion	Ratio	Lower	Upper
93	100		
95	35.3	25.4	38.2
123	11.5	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 3.798 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:162 Resp: 1022

Ion	Ratio	Lower	Upper
162	100		
164	79.1	48.7	88.7
98	32.4	16.9	56.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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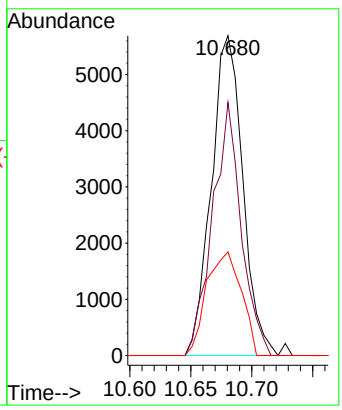
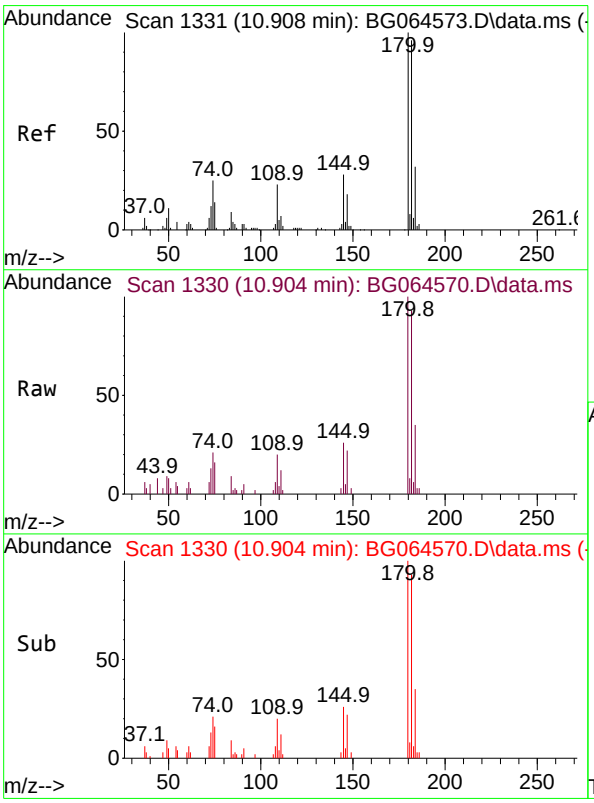
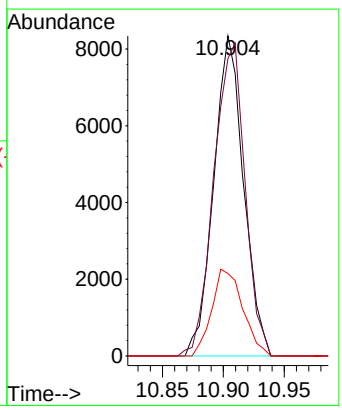


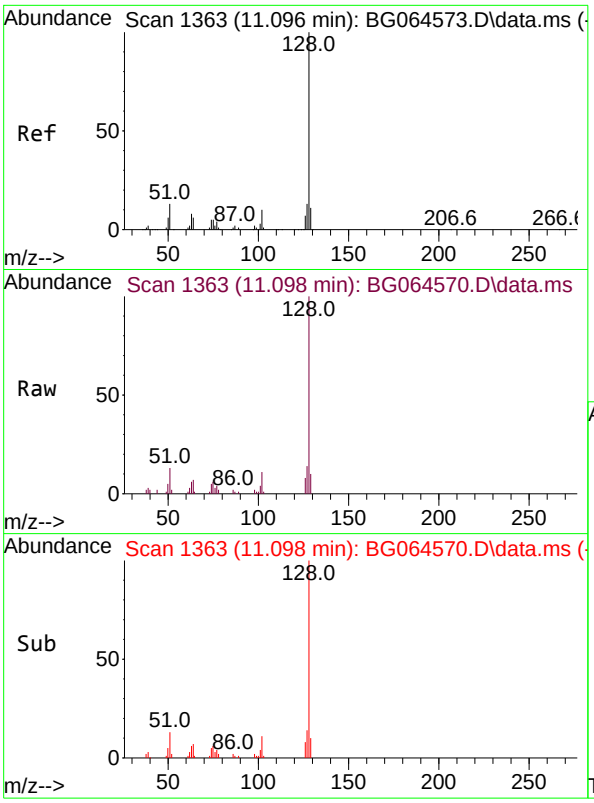


#30
1,2,4-Trichlorobenzene
Concen: 4.656 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:180 Resp: 14238

Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.9	115.3
145	25.7	22.1	33.1





#31
Naphthalene
Concen: 4.883 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:128 Resp: 4555

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	14.3	10.6	15.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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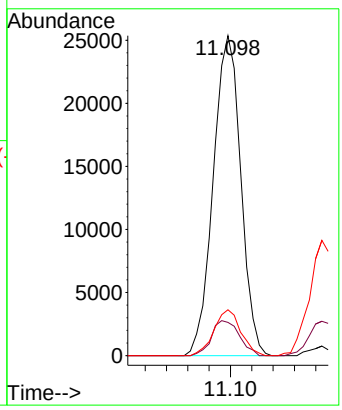
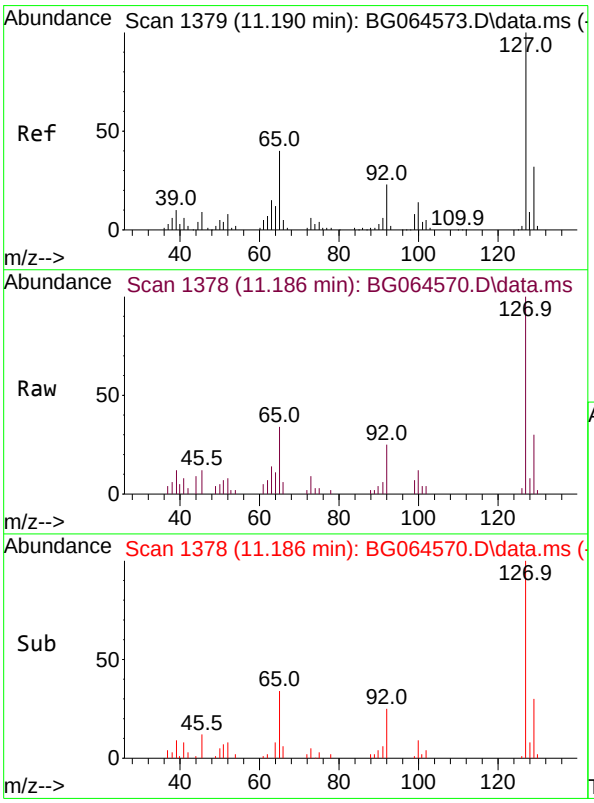
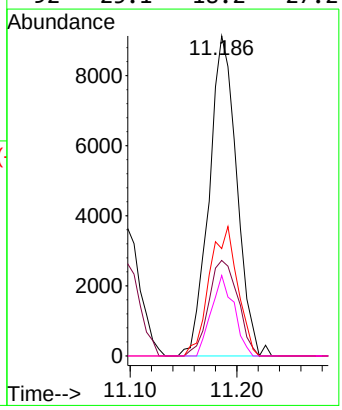


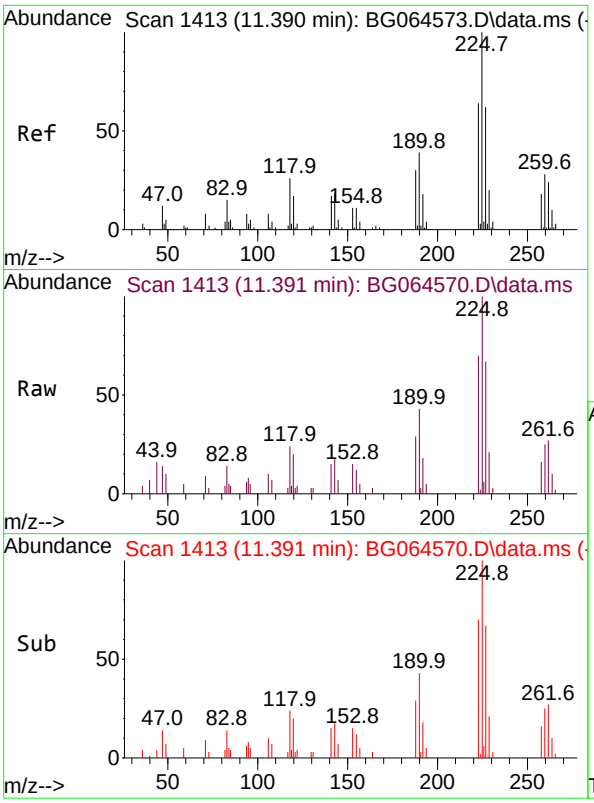


#33
4-Chloroaniline
Concen: 4.530 ng
RT: 11.186 min Scan# 1378
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:127 Resp: 16429

Ion	Ratio	Lower	Upper
127	100		
129	29.8	25.5	38.3
65	33.5	32.2	48.4
92	25.1	18.2	27.2





#34
Hexachlorobutadiene
Concen: 4.688 ng
RT: 11.391 min Scan# 14
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:225 Resp: 1121

Ion	Ratio	Lower	Upper
225	100		
223	66.4	48.8	73.2
227	63.9	49.5	74.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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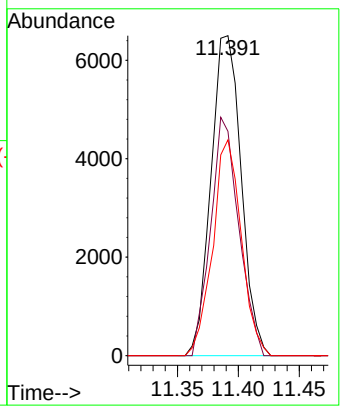
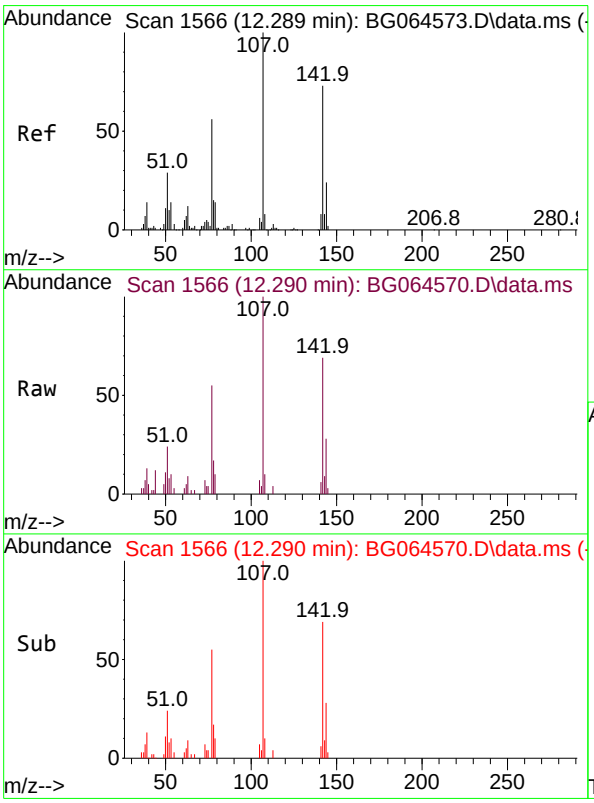
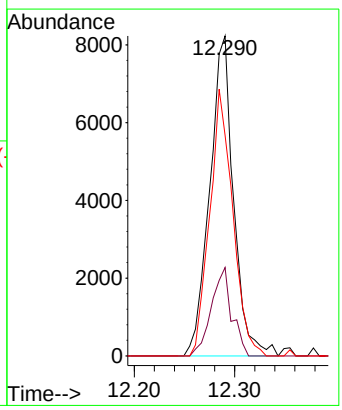


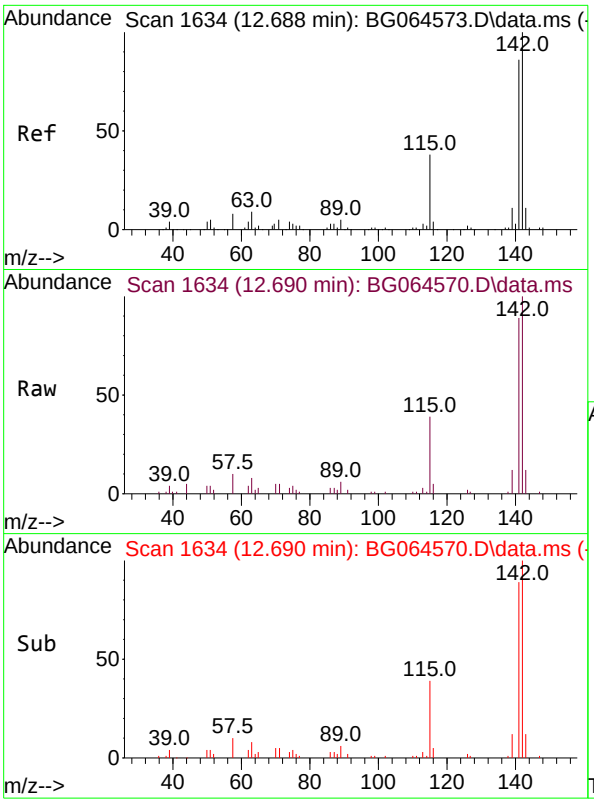


#36
4-Chloro-3-methylphenol
Concen: 4.205 ng
RT: 12.290 min Scan# 1566
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:107 Resp: 13604

Ion	Ratio	Lower	Upper
107	100		
144	27.6	19.1	28.7
142	68.9	58.6	87.8





#37
2-Methylnaphthalene
Concen: 4.690 ng
RT: 12.690 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:142 Resp: 32129

Ion	Ratio	Lower	Upper
142	100		
141	89.3	68.9	103.3
115	39.3	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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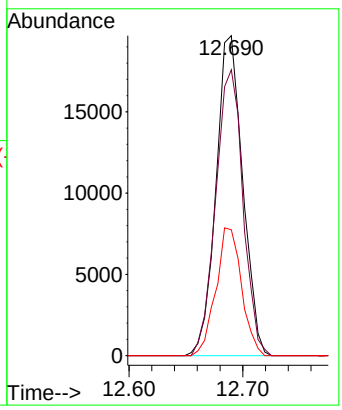
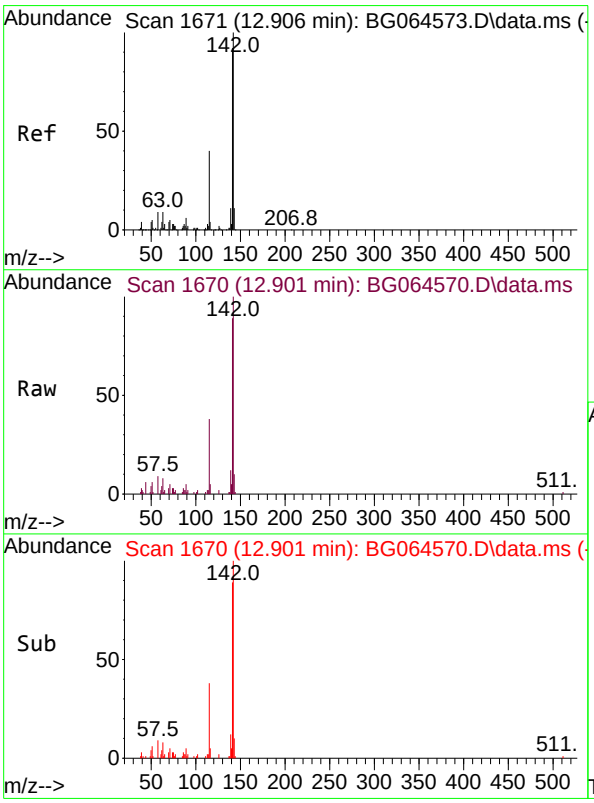
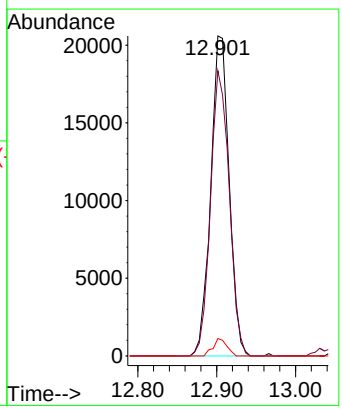


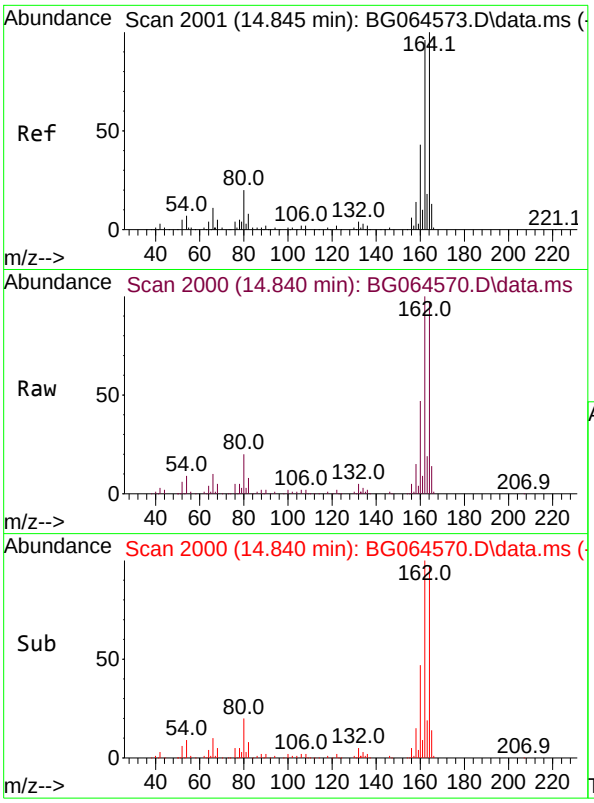


#38
1-Methylnaphthalene
Concen: 4.951 ng m
RT: 12.901 min Scan# 1670
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:142 Resp: 33565

Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.3	109.9
116	5.4	3.1	4.7#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:164 Resp: 13138

Ion	Ratio	Lower	Upper
164	100		
162	103.0	77.0	115.6
160	48.2	34.4	51.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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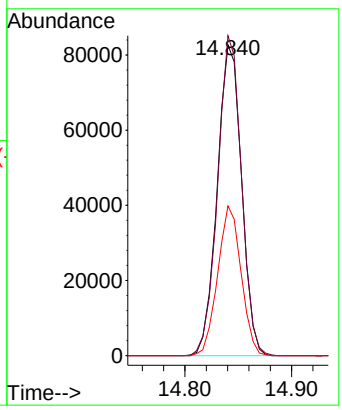
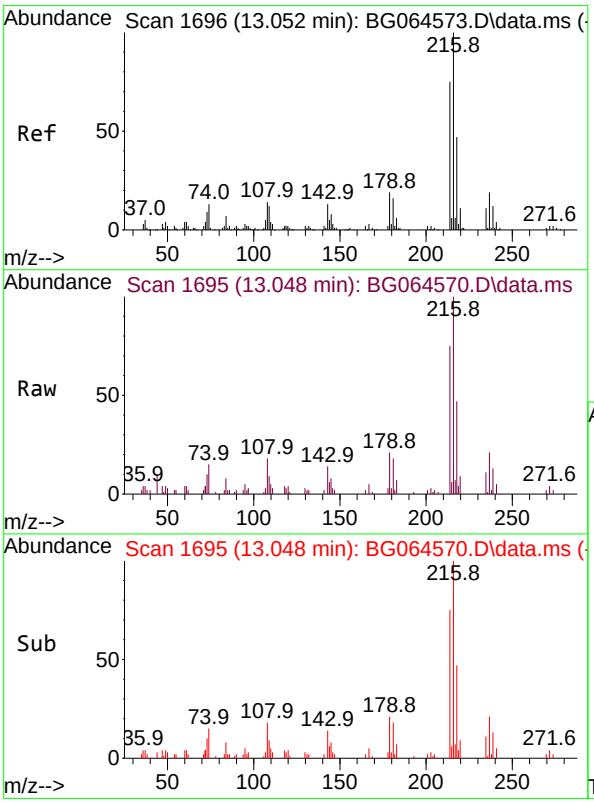
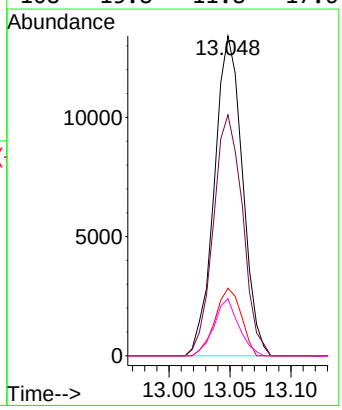


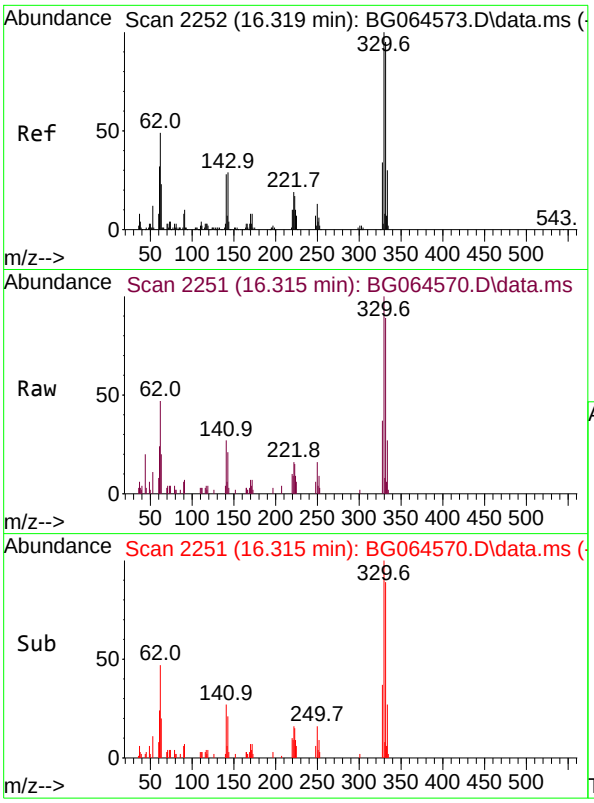


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.893 ng
RT: 13.048 min Scan# 1695
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:216 Resp: 21576

Ion	Ratio	Lower	Upper
216	100		
214	78.0	61.4	92.2
179	19.5	15.4	23.0
108	15.8	11.8	17.6





#42
2,4,6-Tribromophenol
Concen: 7.654 ng
RT: 16.315 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:330 Resp: 1451

Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.0	117.0
141	25.5	21.8	32.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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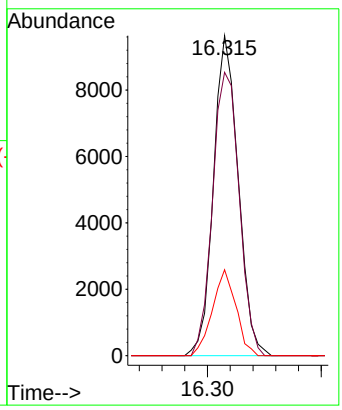
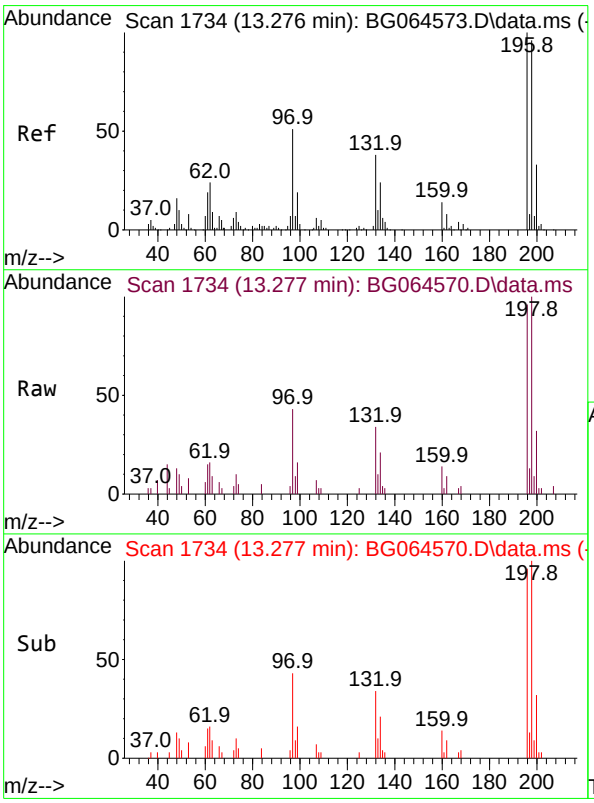
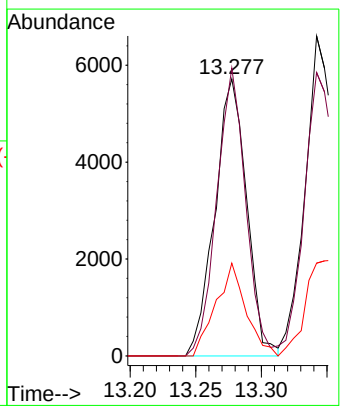


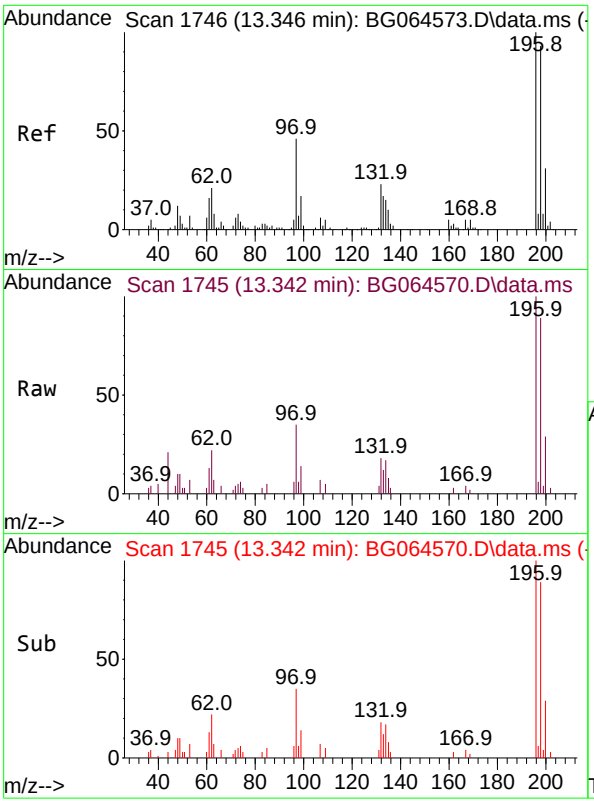


#43
2,4,6-Trichlorophenol
Concen: 3.826 ng
RT: 13.277 min Scan# 1734
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:196 Resp: 9650

Ion	Ratio	Lower	Upper
196	100		
198	103.9	76.6	115.0
200	33.5	26.0	39.0

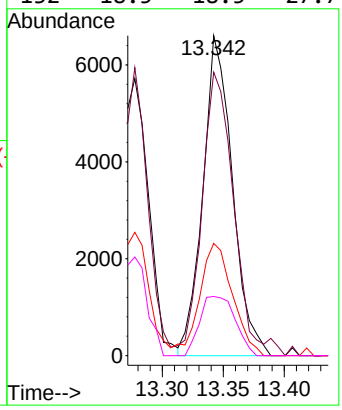




#44
2,4,5-Trichlorophenol
Concen: 3.831 ng
RT: 13.342 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:196 Resp: 1115

Ion	Ratio	Lower	Upper
196	100		
198	88.6	74.2	111.4
97	35.1	37.0	55.6#
132	18.5	18.5	27.7



Instrument :
BNA_G
ClientSampleId :
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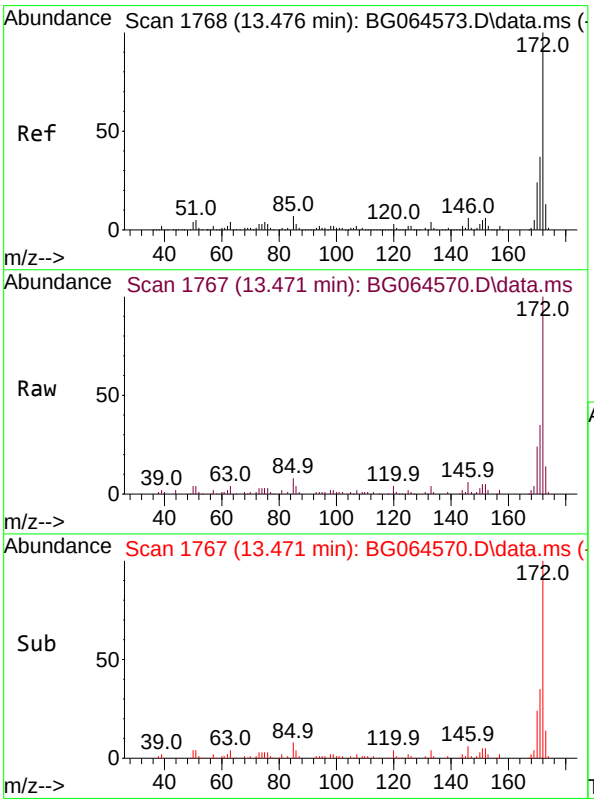
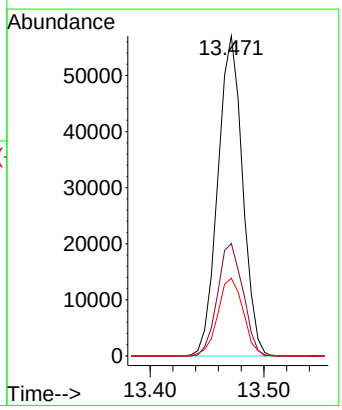
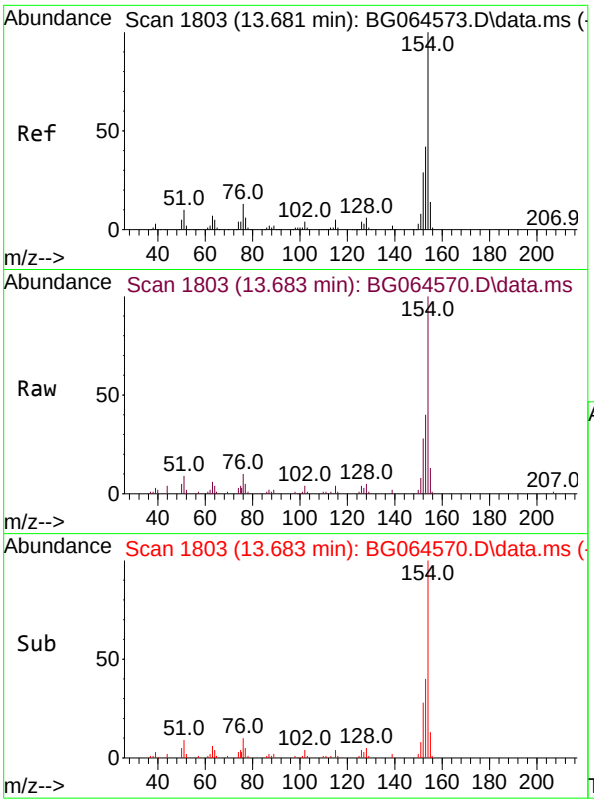


#45
2-Fluorobiphenyl
Concen: 9.932 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:172 Resp: 86089

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.4	44.0
170	24.3	19.1	28.7





#46
1,1'-Biphenyl
Concen: 5.122 ng
RT: 13.683 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:154 Resp: 47846

Ion	Ratio	Lower	Upper
154	100		
153	40.1	22.4	62.4
76	10.3	0.0	33.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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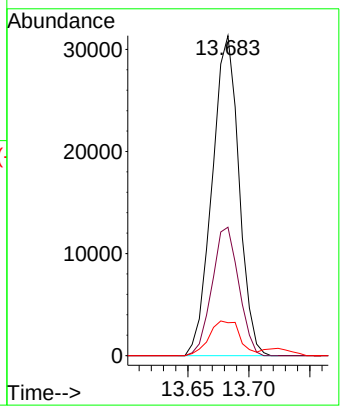
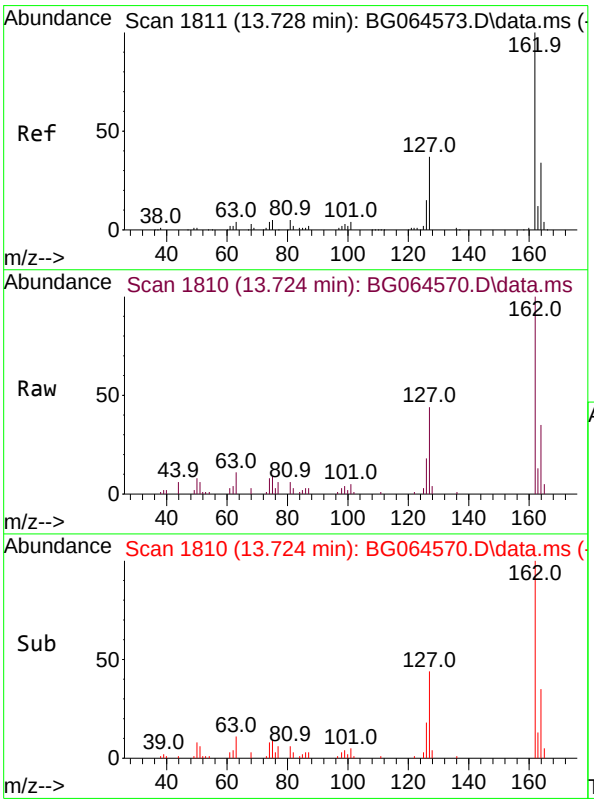
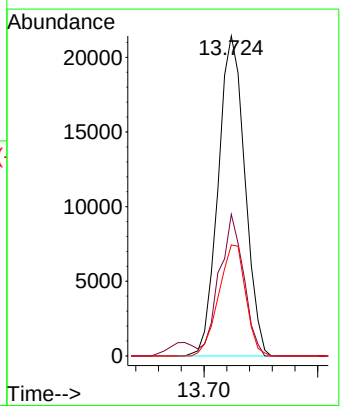


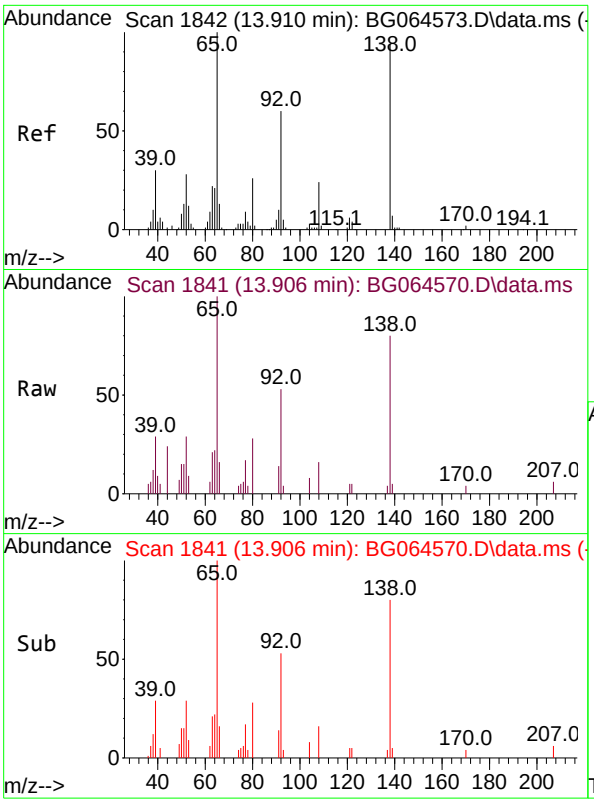


#47
2-Chloronaphthalene
Concen: 4.961 ng
RT: 13.724 min Scan# 1810
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:162 Resp: 34977

Ion	Ratio	Lower	Upper
162	100		
127	44.2	32.2	48.2
164	34.7	27.5	41.3





#48
2-Nitroaniline
Concen: 5.826 ng
RT: 13.906 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 65 Resp: 660

Ion	Ratio	Lower	Upper
65	100		
92	52.8	48.3	72.5
138	79.6	74.9	112.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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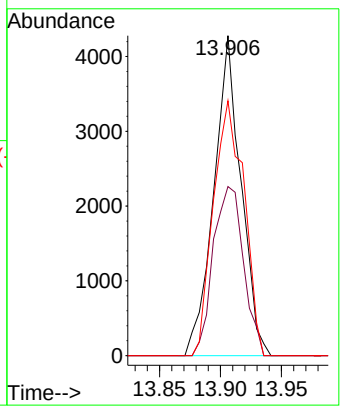
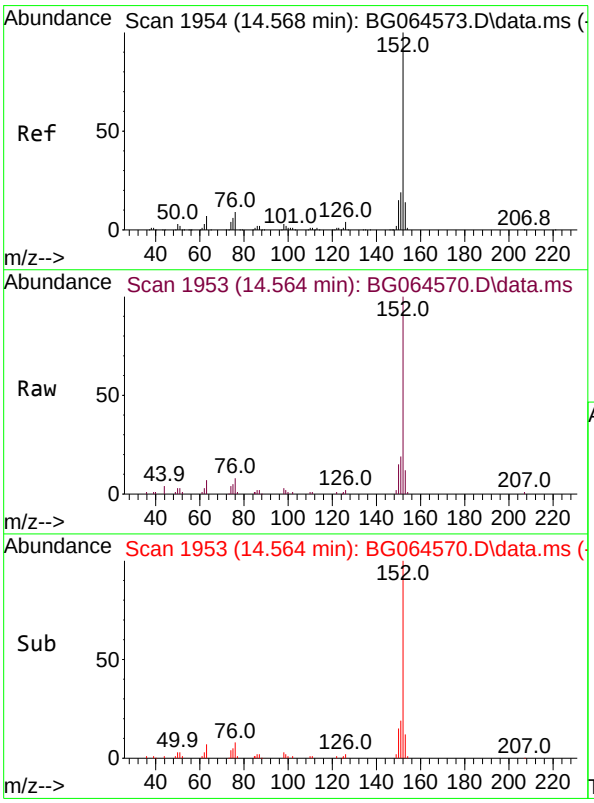
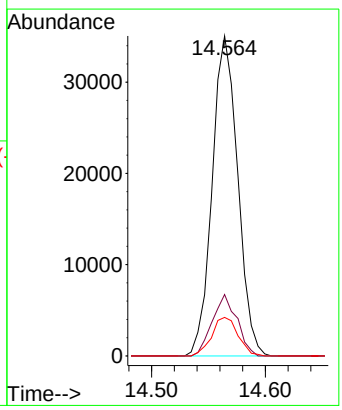


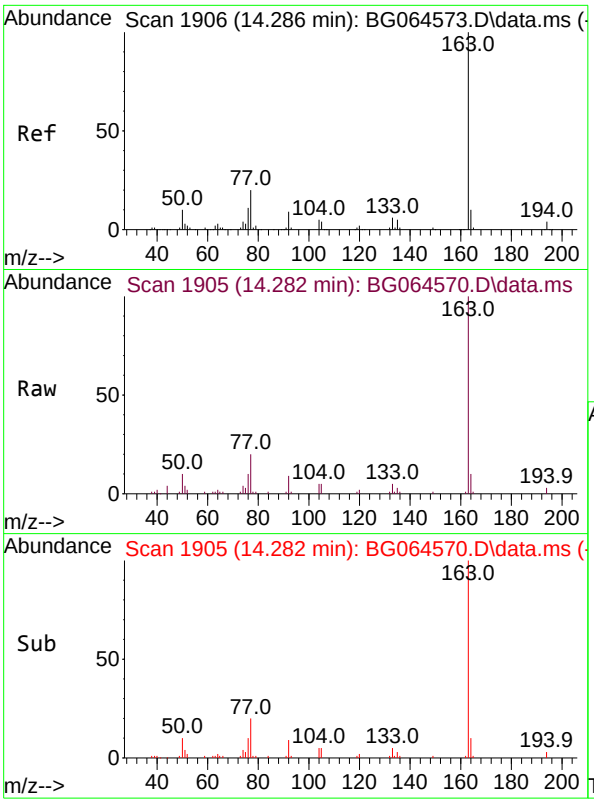


#49
Acenaphthylene
Concen: 4.923 ng
RT: 14.564 min Scan# 1953
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:152 Resp: 54748

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.0	11.0	16.4





#50
Dimethylphthalate
Concen: 4.540 ng
RT: 14.282 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:163 Resp: 45639

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.5	7.7	11.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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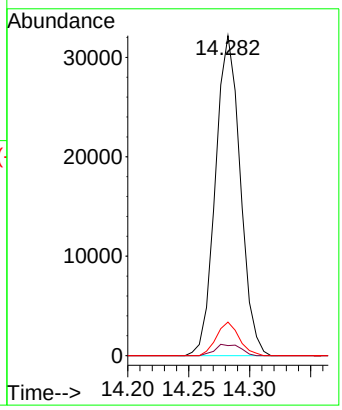
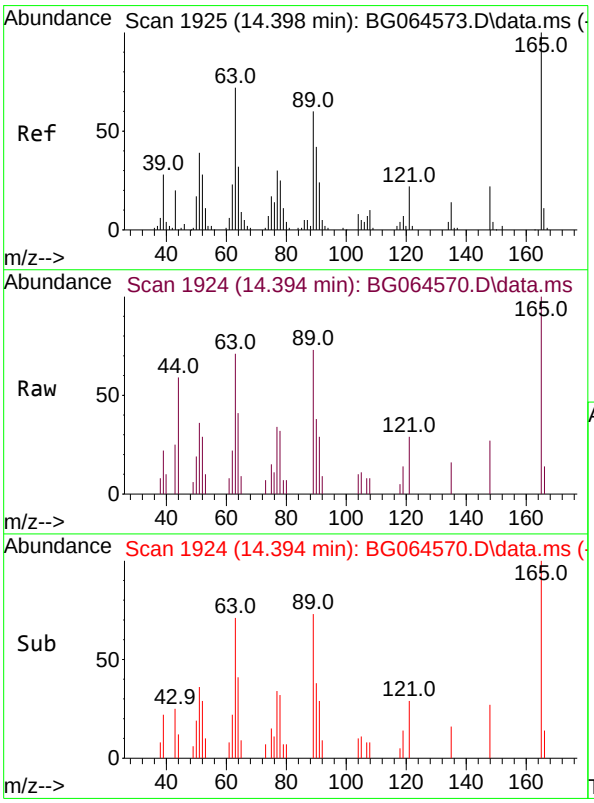
Supervised By :mohammad ahmed 11/05/2025

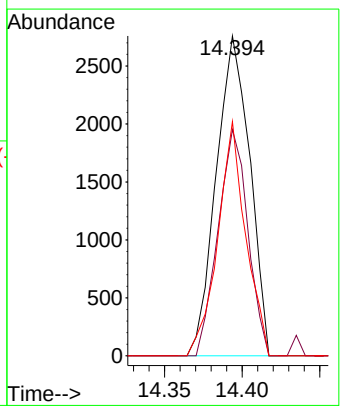


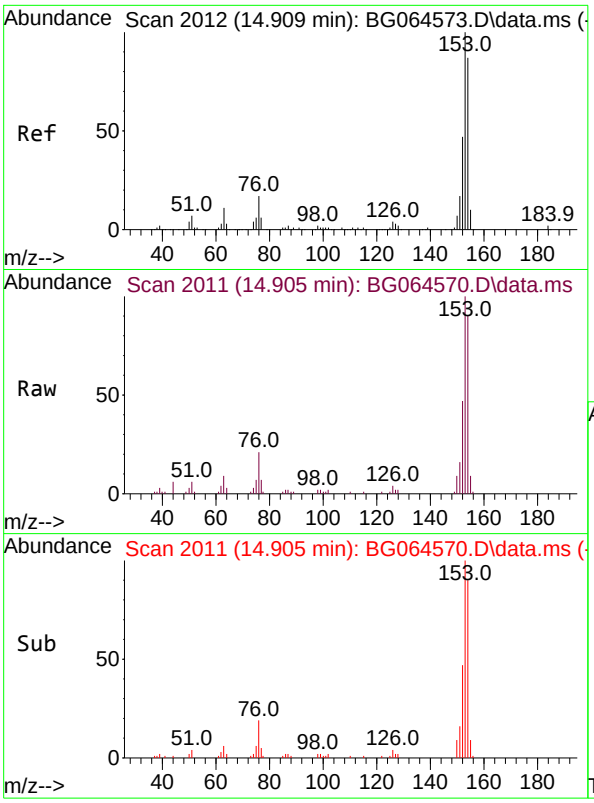


#51
2,6-Dinitrotoluene
Concen: 5.535 ng
RT: 14.394 min Scan# 1924
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:165 Resp: 4161

Ion	Ratio	Lower	Upper
165	100		
63	70.7	57.4	86.0
89	73.2	47.8	71.8#





#52
Acenaphthene
Concen: 4.867 ng
RT: 14.905 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:154 Resp: 3698

Ion	Ratio	Lower	Upper
154	100		
153	111.0	92.2	138.4
152	52.2	43.2	64.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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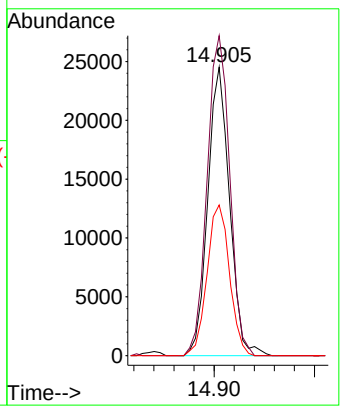
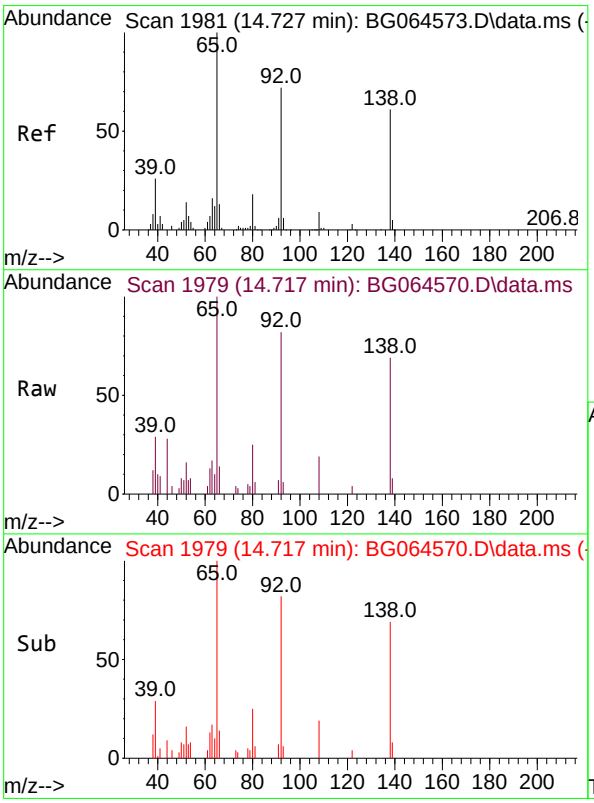
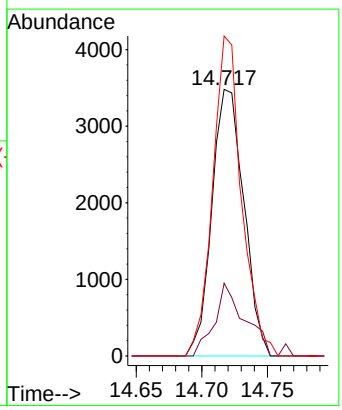


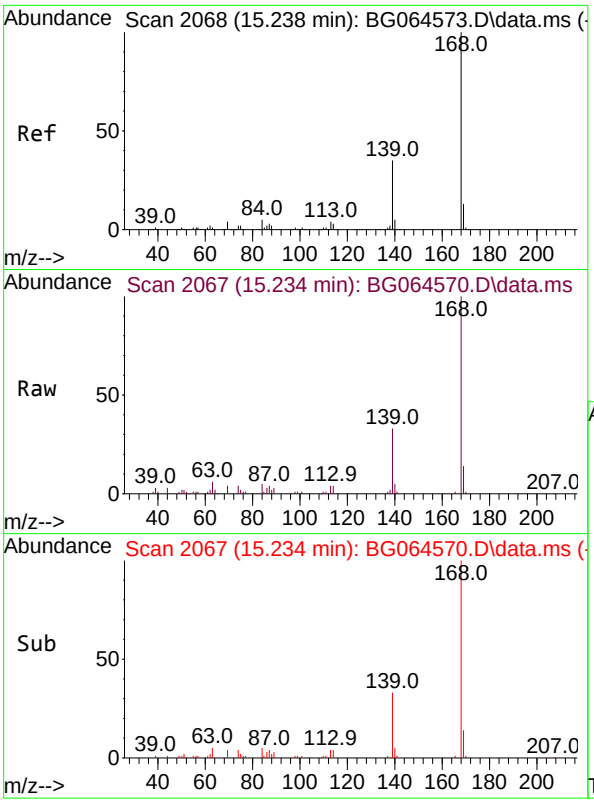


#53
3-Nitroaniline
Concen: 3.417 ng
RT: 14.717 min Scan# 1979
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:138 Resp: 5903

Ion	Ratio	Lower	Upper
138	100		
108	27.2	11.4	17.0#
92	120.0	95.3	142.9





#55
Dibenzofuran
Concen: 5.029 ng
RT: 15.234 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:168 Resp: 6177

Ion	Ratio	Lower	Upper
168	100		
139	32.7	27.8	41.8
169	13.7	10.3	15.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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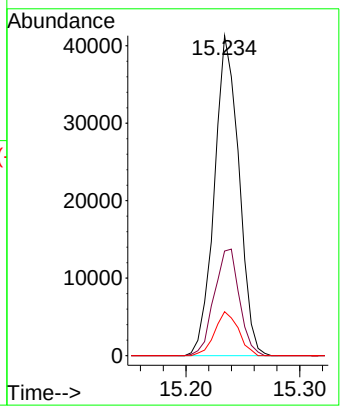
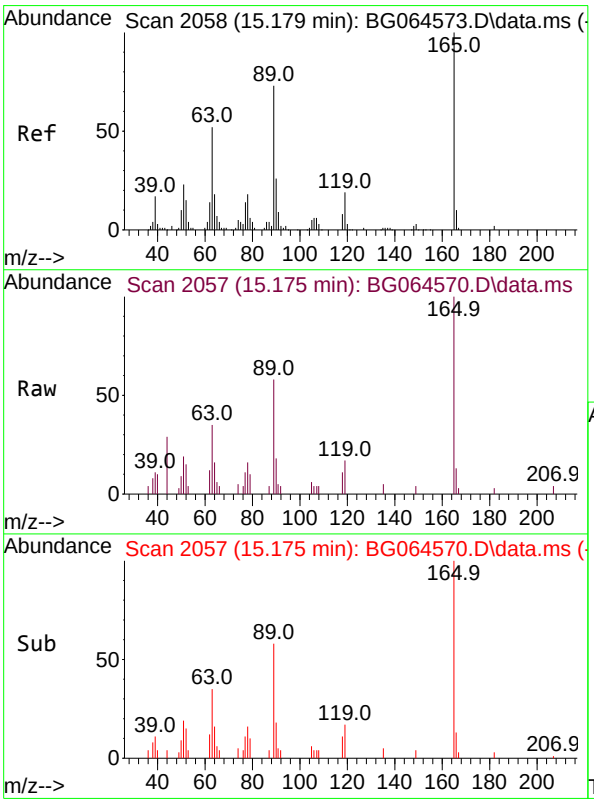
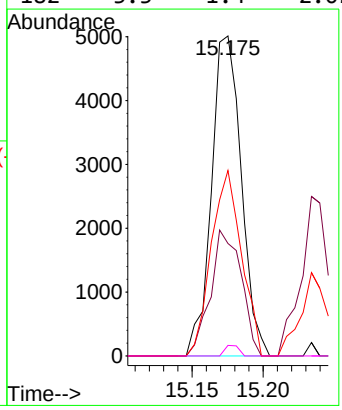


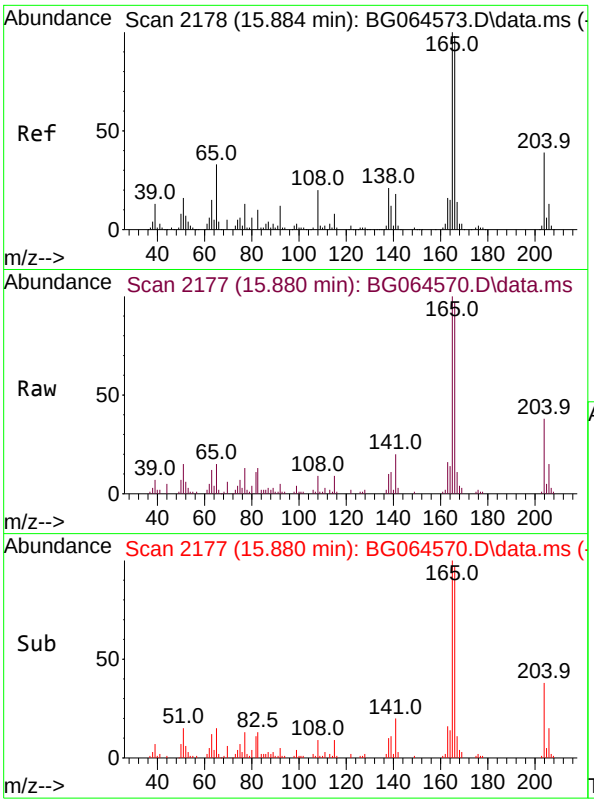


#57
2,4-Dinitrotoluene
Concen: 5.721 ng
RT: 15.175 min Scan# 2057
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:165 Resp: 7312

Ion	Ratio	Lower	Upper
165	100		
63	35.1	41.8	62.8#
89	57.9	58.1	87.1#
182	3.3	1.4	2.0#





#58
Fluorene
Concen: 5.035 ng
RT: 15.880 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:166 Resp: 4830

Ion	Ratio	Lower	Upper
166	100		
165	103.5	81.5	122.3
167	11.6	11.4	17.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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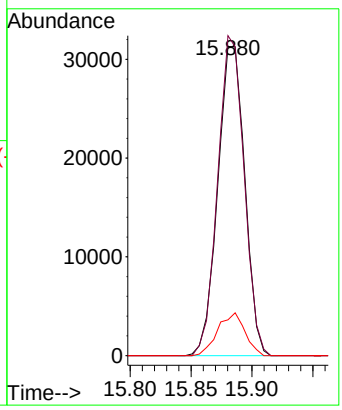
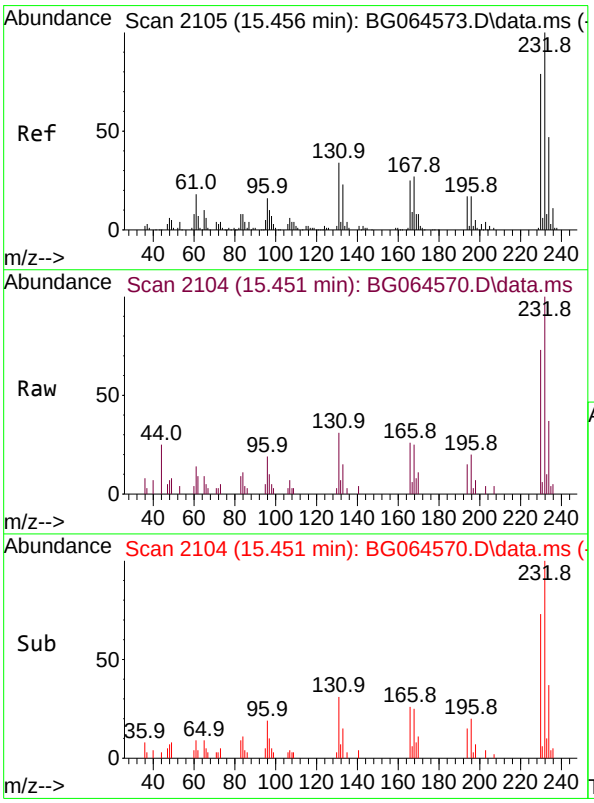
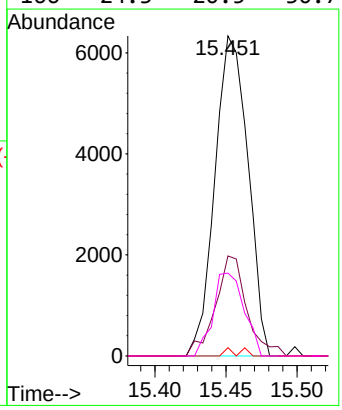


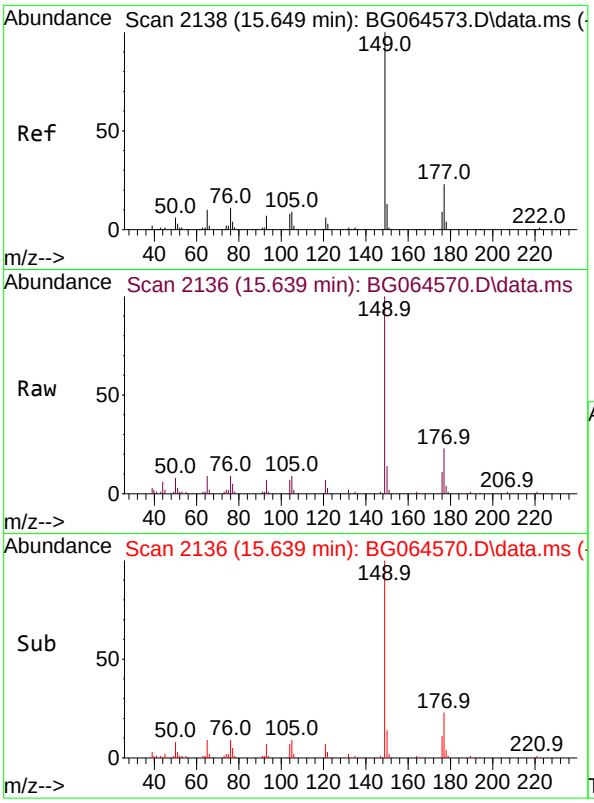


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.679 ng
RT: 15.451 min Scan# 2104
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:232 Resp: 10241

Ion	Ratio	Lower	Upper
232	100		
131	29.7	26.7	40.1
130	1.1	1.6	2.4#
166	24.3	20.5	30.7





#60
Diethylphthalate
Concen: 4.533 ng
RT: 15.639 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 4653

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.0	27.0
150	13.9	10.2	15.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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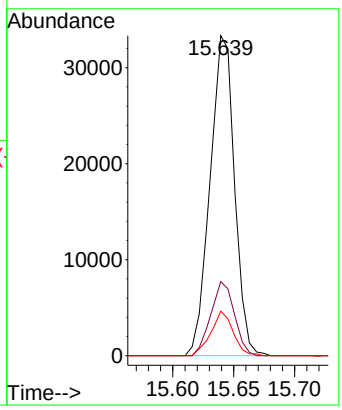
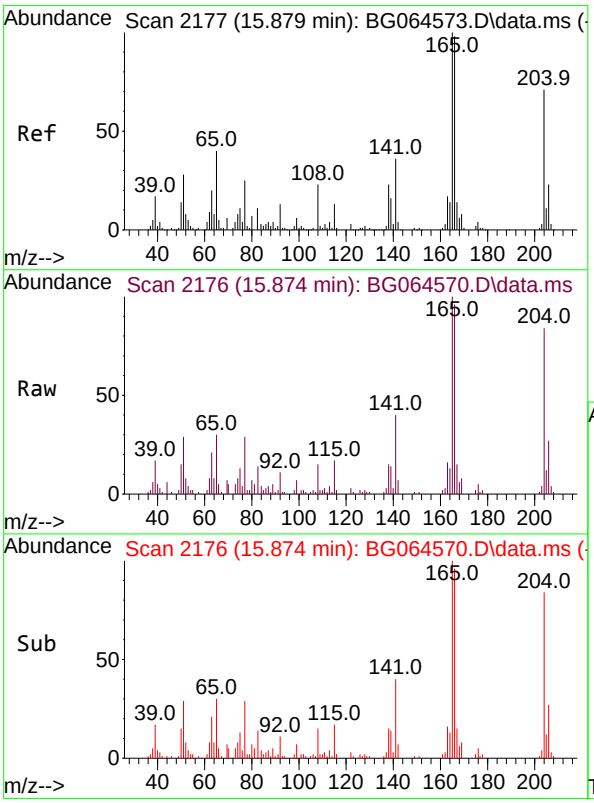
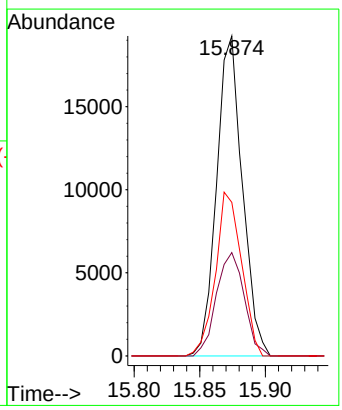


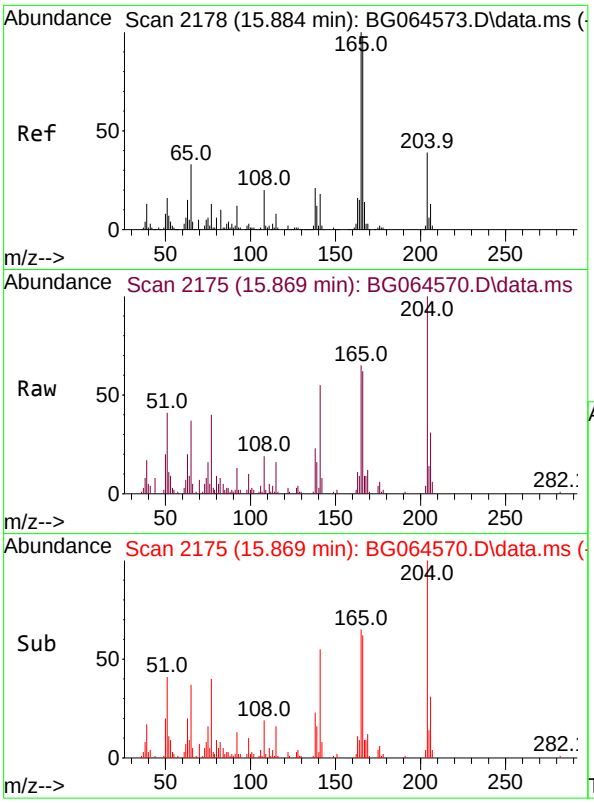


#61
4-Chlorophenyl-phenylether
Concen: 4.880 ng
RT: 15.874 min Scan# 2176
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:204 Resp: 26270

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.6	38.4
141	48.0	40.6	60.8





#62
4-Nitroaniline
Concen: 3.321 ng
RT: 15.869 min Scan# 2
Delta R.T. -0.016 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:138 Resp: 638

Ion	Ratio	Lower	Upper
138	100		
92	55.4	36.1	76.1
108	80.1	75.6	115.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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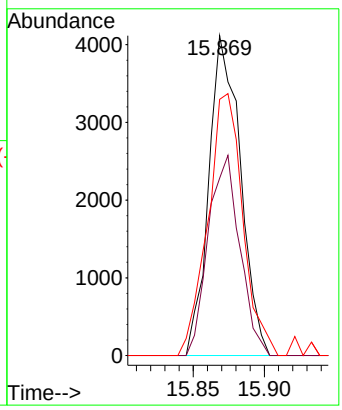
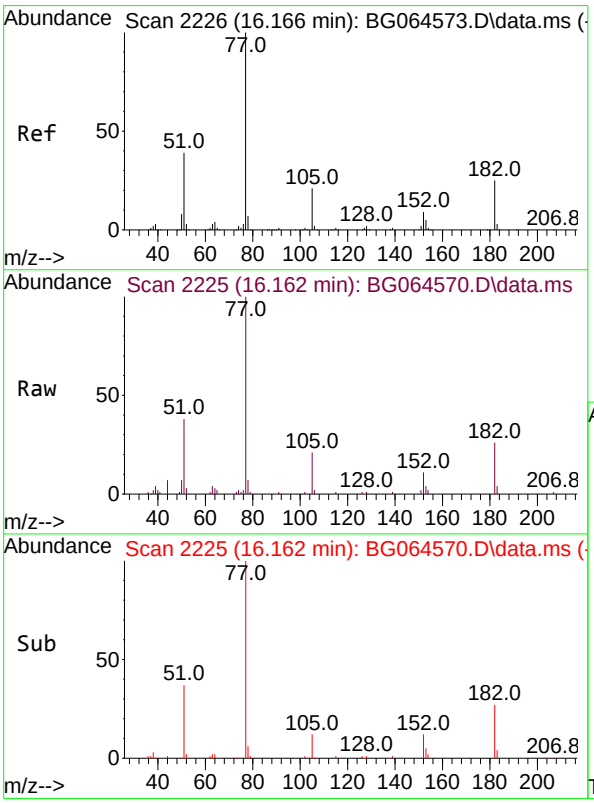
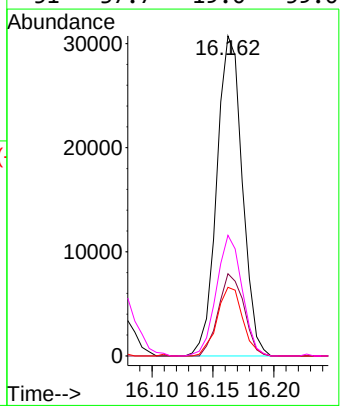


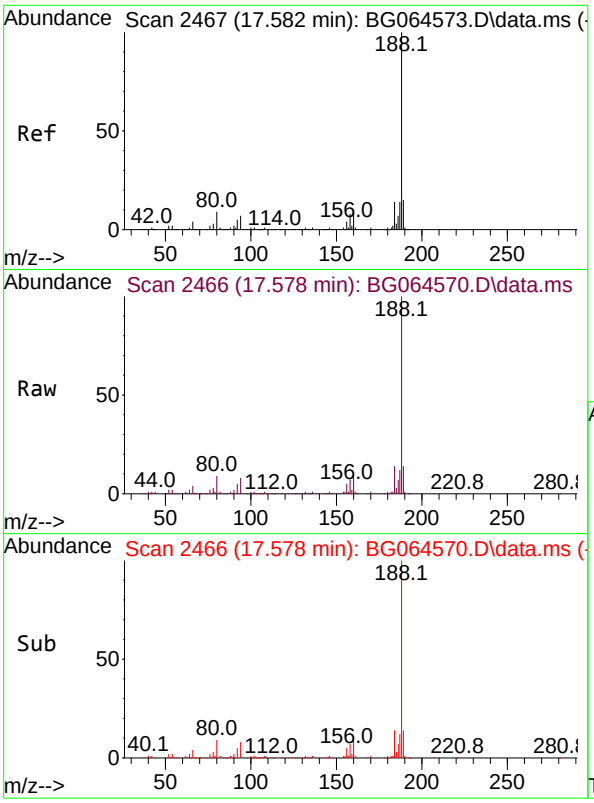


#63
Azobenzene
Concen: 4.749 ng
RT: 16.162 min Scan# 2225
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 77 Resp: 44729

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.9	44.9
105	21.4	1.3	41.3
51	37.7	19.0	59.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:188 Resp: 331372

Ion	Ratio	Lower	Upper
188	100		
94	8.3	5.7	8.5
80	9.4	6.8	10.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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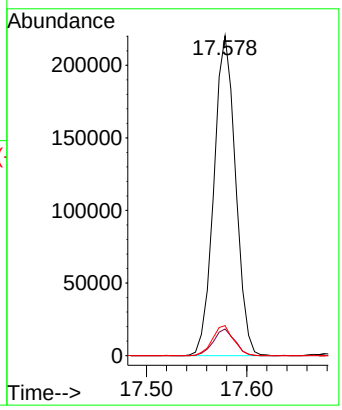
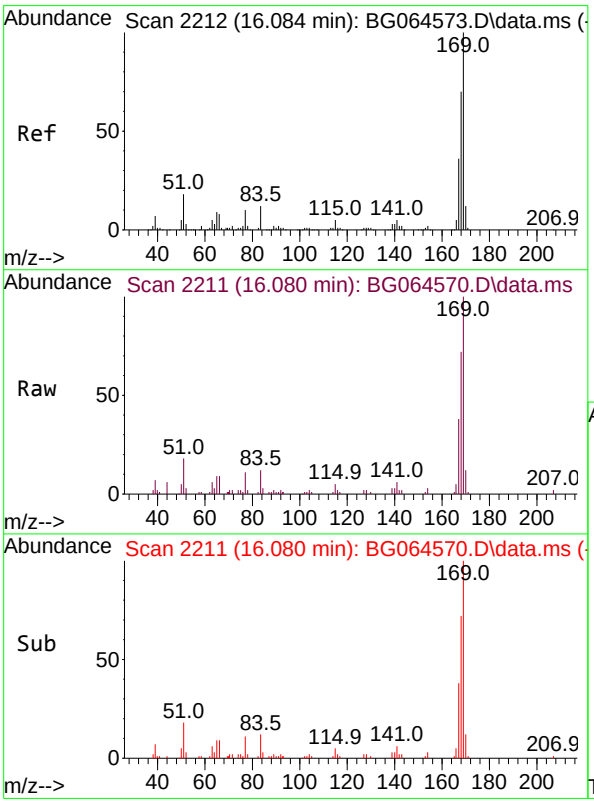
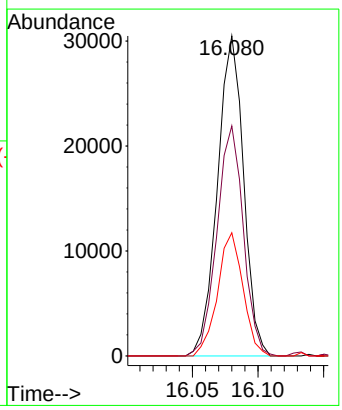


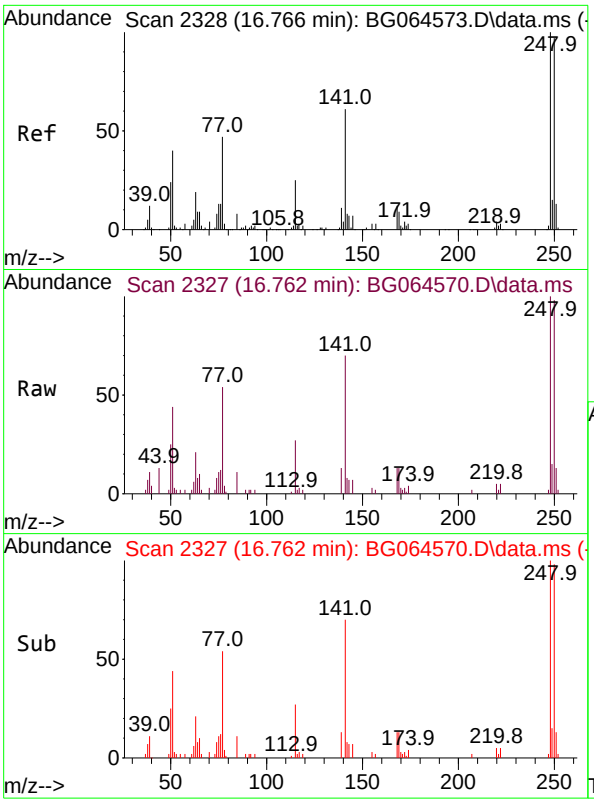


#66
n-Nitrosodiphenylamine
Concen: 4.725 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:169 Resp: 42291

Ion	Ratio	Lower	Upper
169	100		
168	71.9	56.3	84.5
167	38.5	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.762 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:248 Resp: 1806

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.7	116.5
141	69.6	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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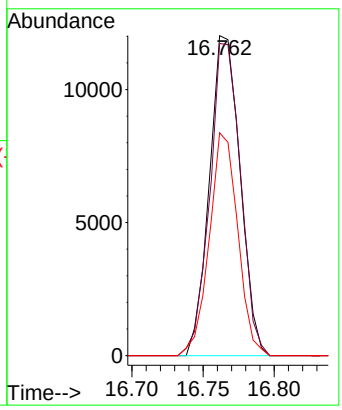
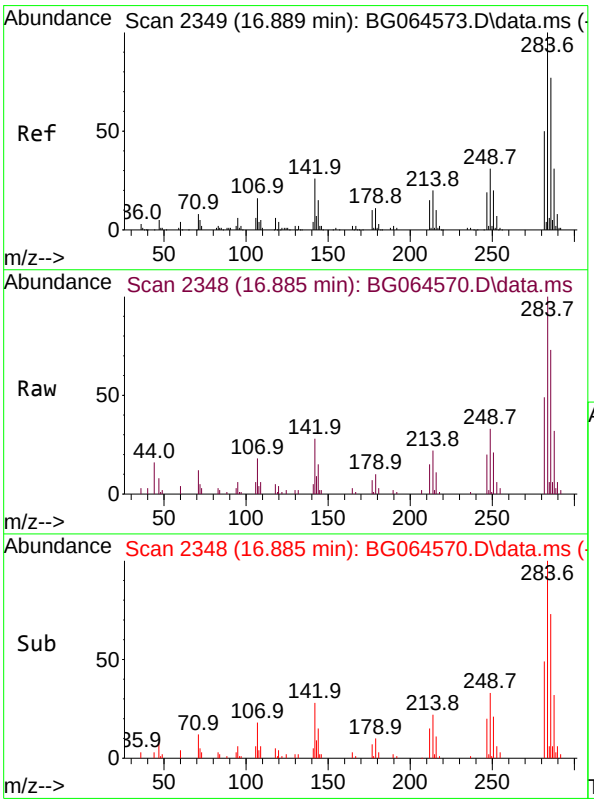
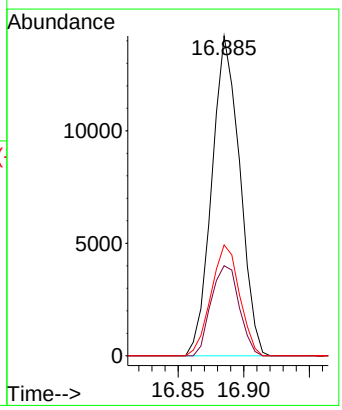


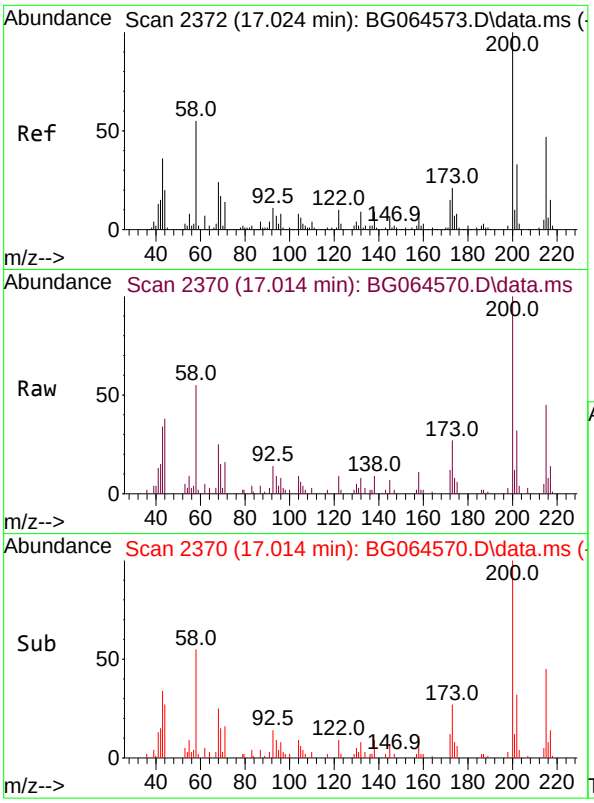


#68
Hexachlorobenzene
Concen: 4.705 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:284 Resp: 21076

Ion	Ratio	Lower	Upper
284	100		
142	28.2	21.0	31.6
249	34.7	24.9	37.3





#69
Atrazine
Concen: 4.616 ng
RT: 17.014 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:200 Resp: 1778

Ion	Ratio	Lower	Upper
200	100		
173	26.6	0.9	40.9
215	44.8	27.0	67.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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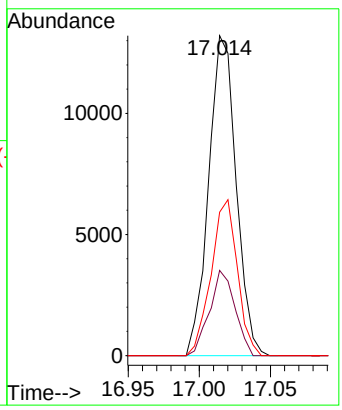
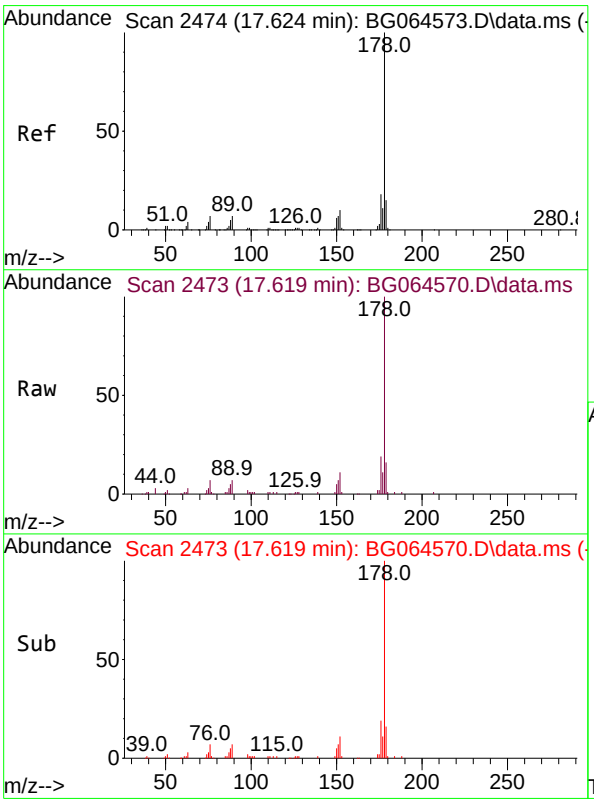
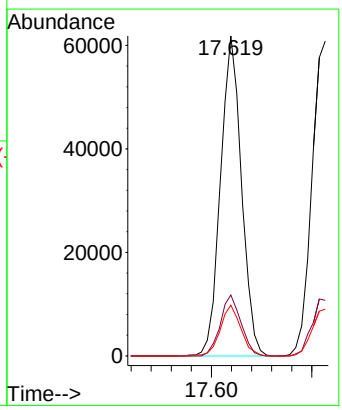


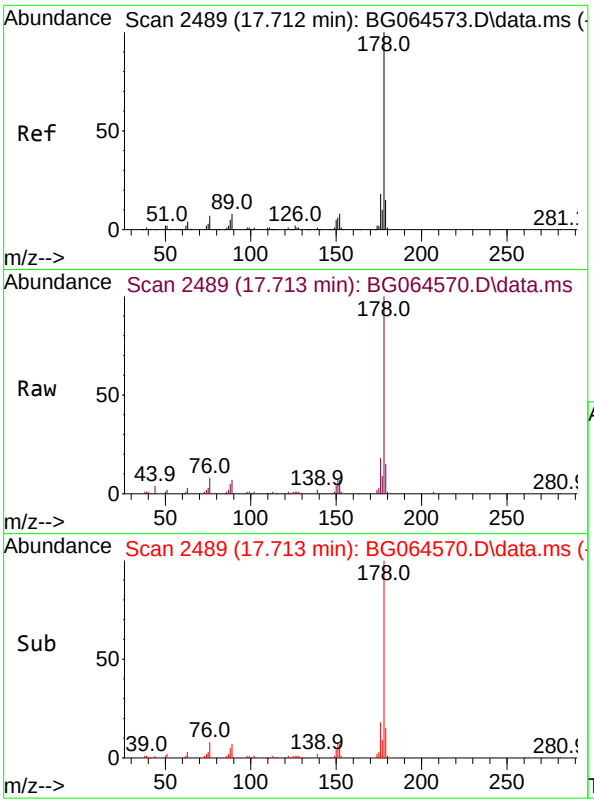


#71
Phenanthrene
Concen: 4.954 ng
RT: 17.619 min Scan# 2473
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:178 Resp: 89771

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.8	12.2	18.4





#72
Anthracene
Concen: 4.886 ng
RT: 17.713 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:178 Resp: 9006

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.4	21.6
179	14.8	12.4	18.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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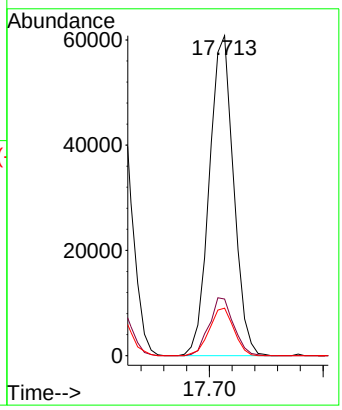
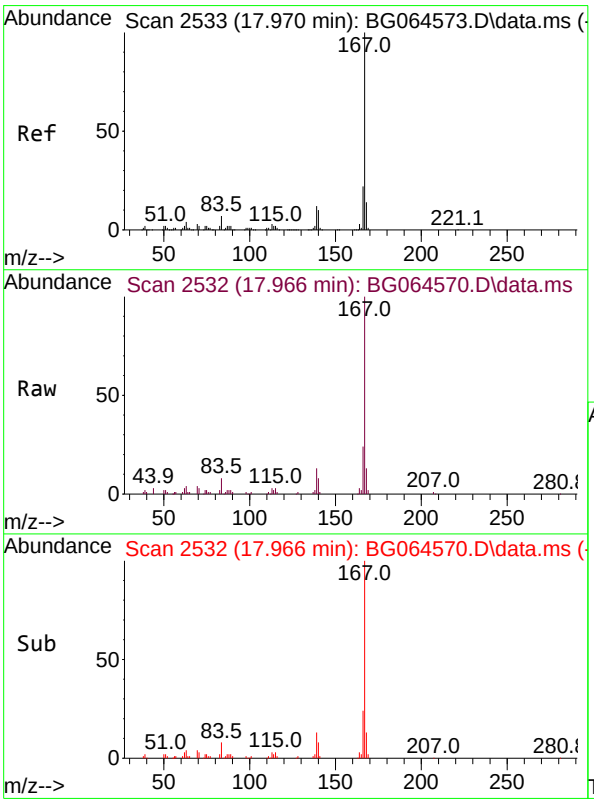
Supervised By :mohammad ahmed 11/05/2025

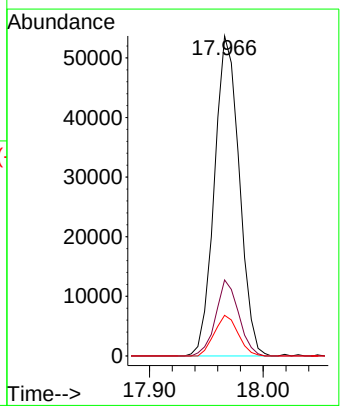


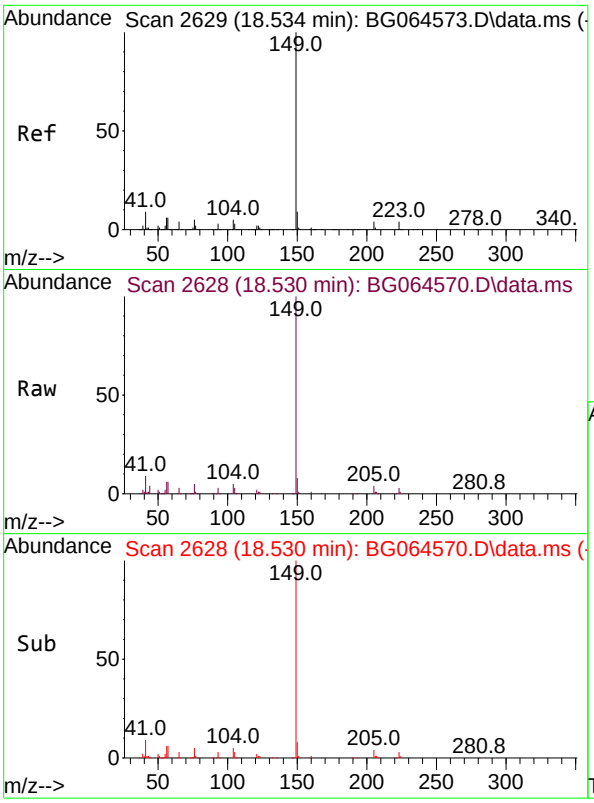


#73
Carbazole
Concen: 5.005 ng
RT: 17.966 min Scan# 2532
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:167 Resp: 81350

Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.9	26.9
139	12.7	9.7	14.5





#74
Di-n-butylphthalate
Concen: 4.454 ng
RT: 18.530 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

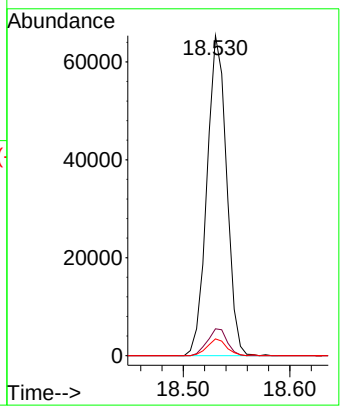
Tgt Ion:149 Resp: 8371

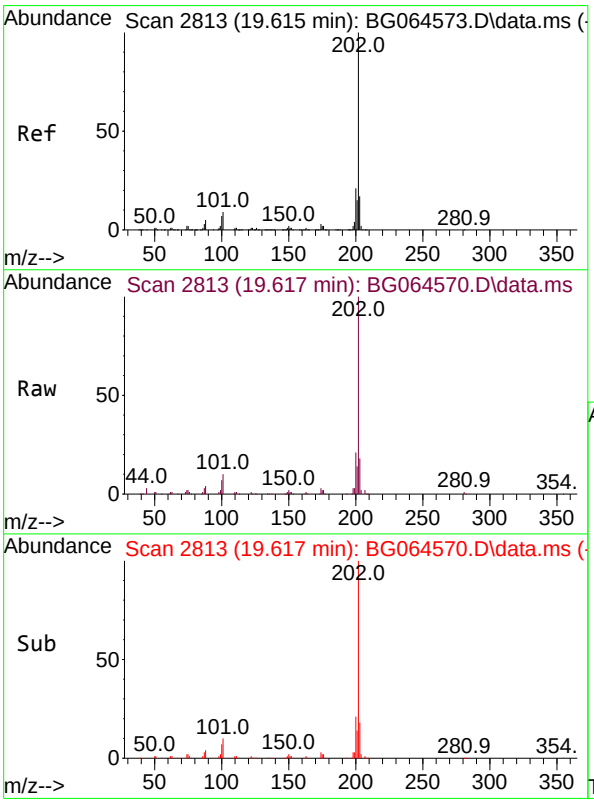
Ion	Ratio	Lower	Upper
149	100		
150	8.4	7.0	10.6
104	5.2	4.1	6.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

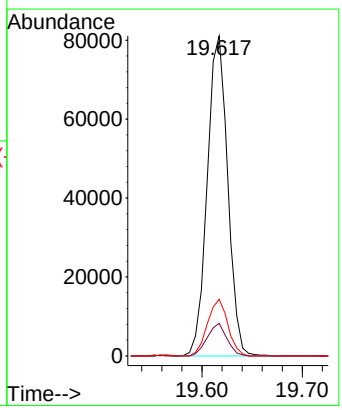


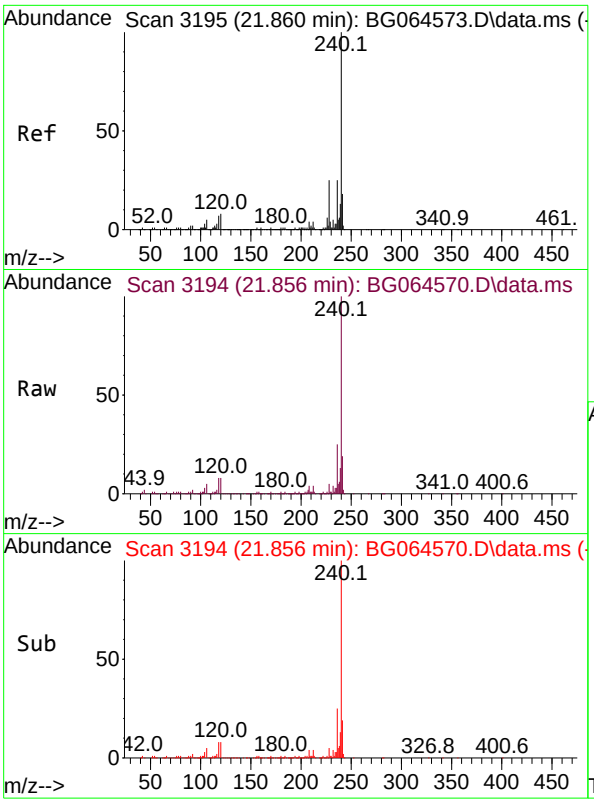


#75
Fluoranthene
Concen: 5.054 ng
RT: 19.617 min Scan# 2813
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:202 Resp: 114724

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	28.7
203	17.7	0.0	37.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:240 Resp: 381389

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.5	9.7
236	25.4	20.2	30.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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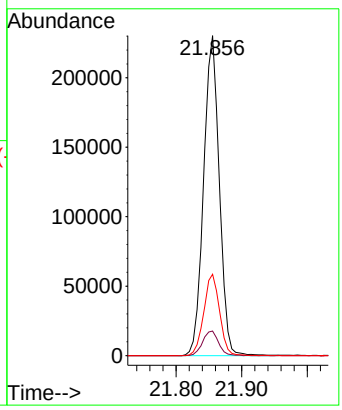
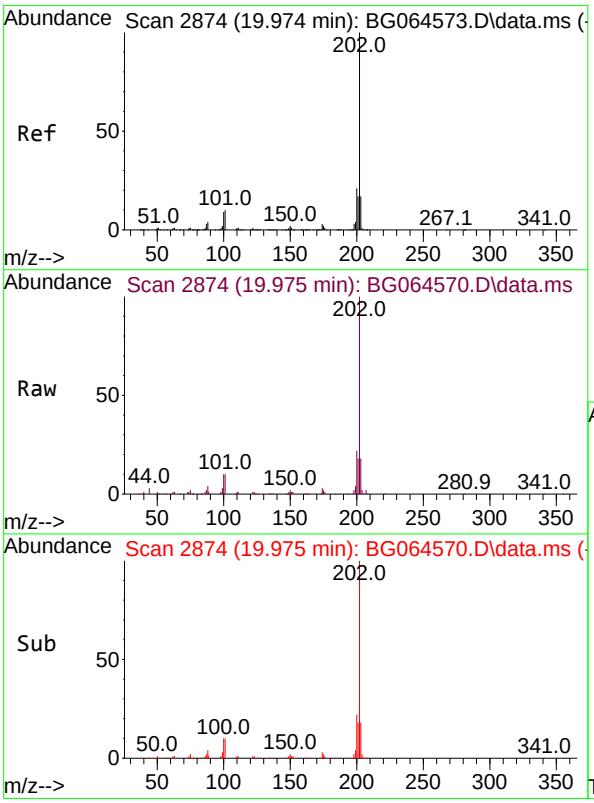
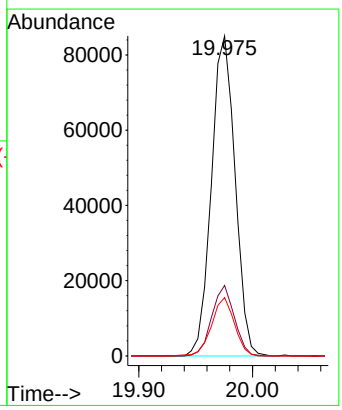


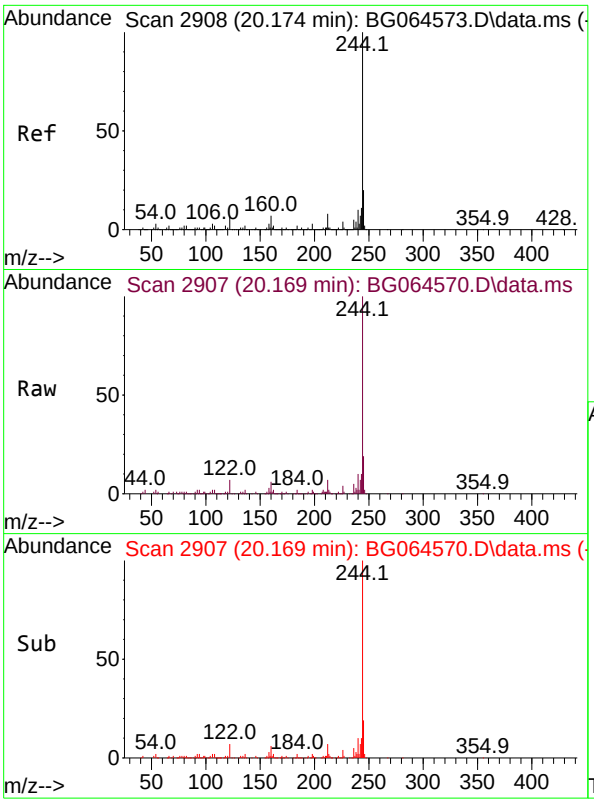


#78
Pyrene
Concen: 4.923 ng
RT: 19.975 min Scan# 2874
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:202 Resp: 122676

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.0	25.4
203	18.2	13.8	20.6





#79
Terphenyl-d14
Concen: 10.130 ng
RT: 20.169 min Scan# 29
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

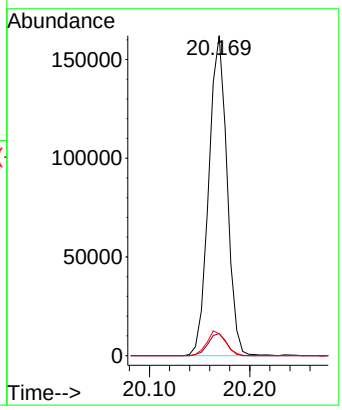
Tgt Ion:244 Resp: 204719

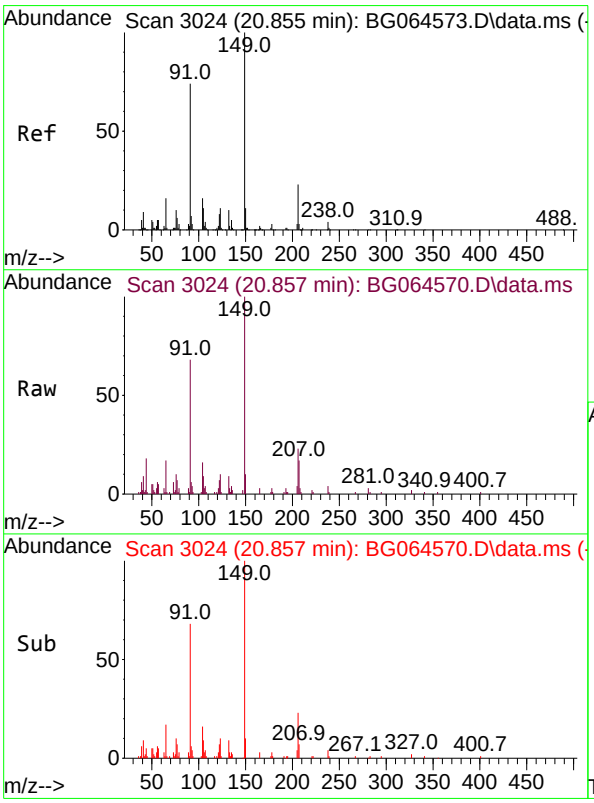
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	6.8	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

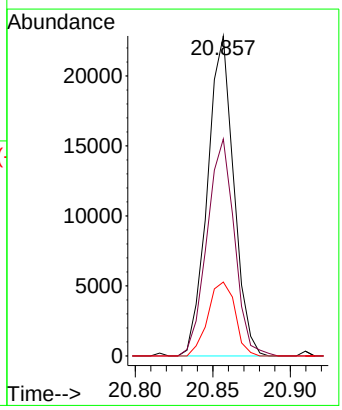


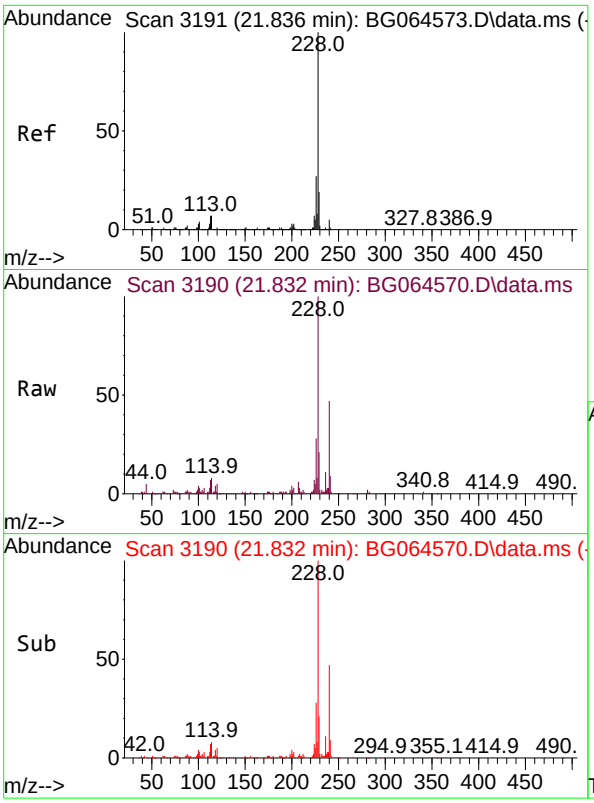


#80
Butylbenzylphthalate
Concen: 3.595 ng
RT: 20.857 min Scan# 3024
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 27072

Ion	Ratio	Lower	Upper
149	100		
91	67.8	59.2	88.8
206	23.1	18.1	27.1





#81
Benzo(a)anthracene
Concen: 4.878 ng
RT: 21.832 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

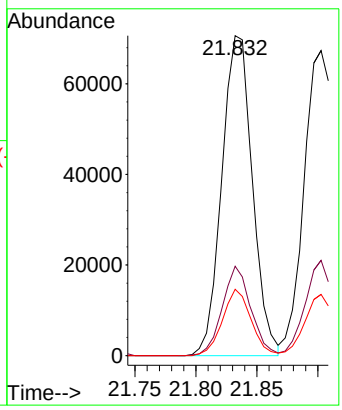
Tgt Ion:228 Resp: 12334

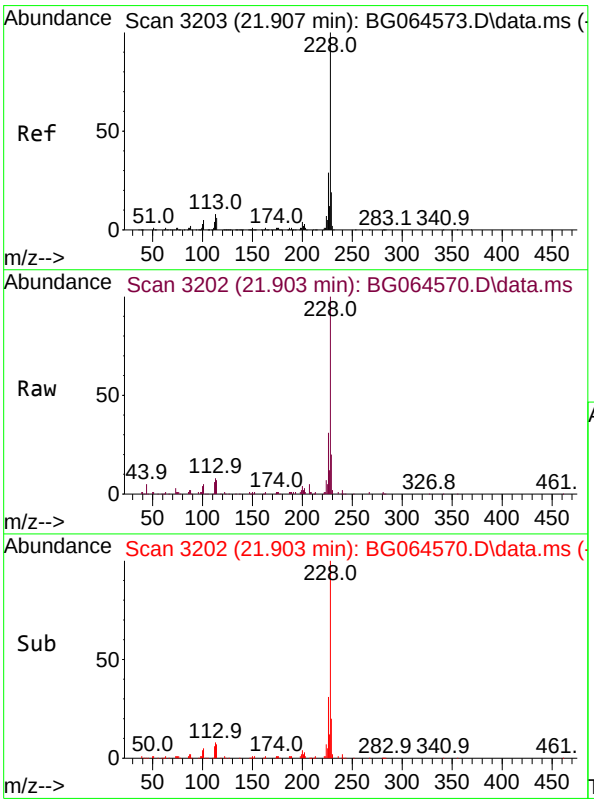
Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.9	32.9
229	20.7	15.6	23.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

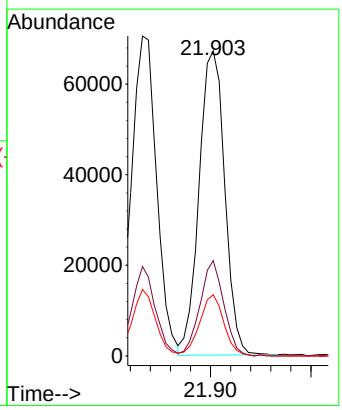


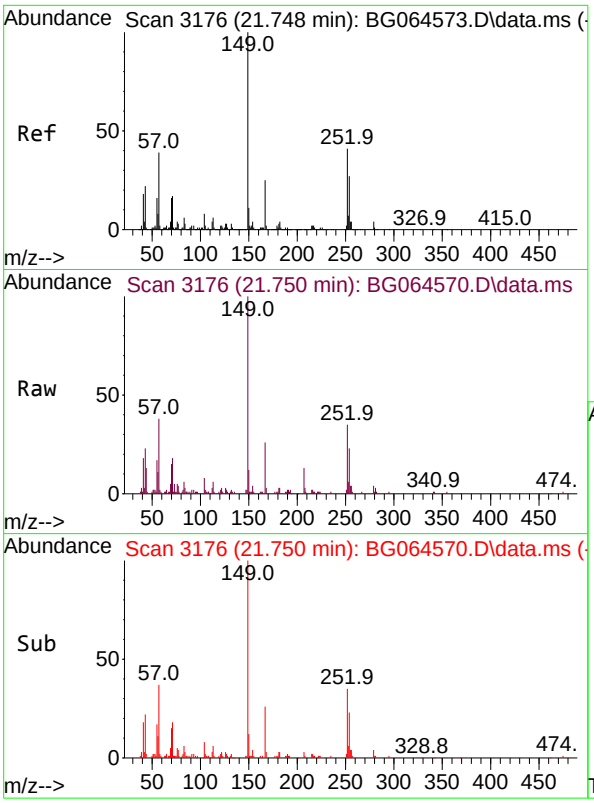


#83
Chrysene
Concen: 4.949 ng
RT: 21.903 min Scan# 3202
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:228 Resp: 119080

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.3	34.9
229	20.1	15.2	22.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.098 ng
RT: 21.750 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

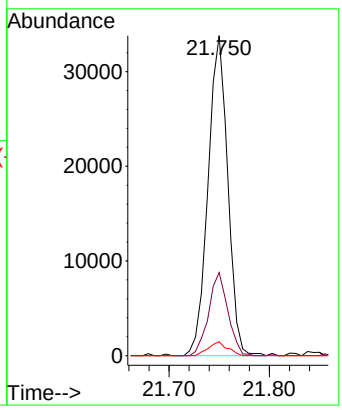
Tgt Ion:149 Resp: 4611

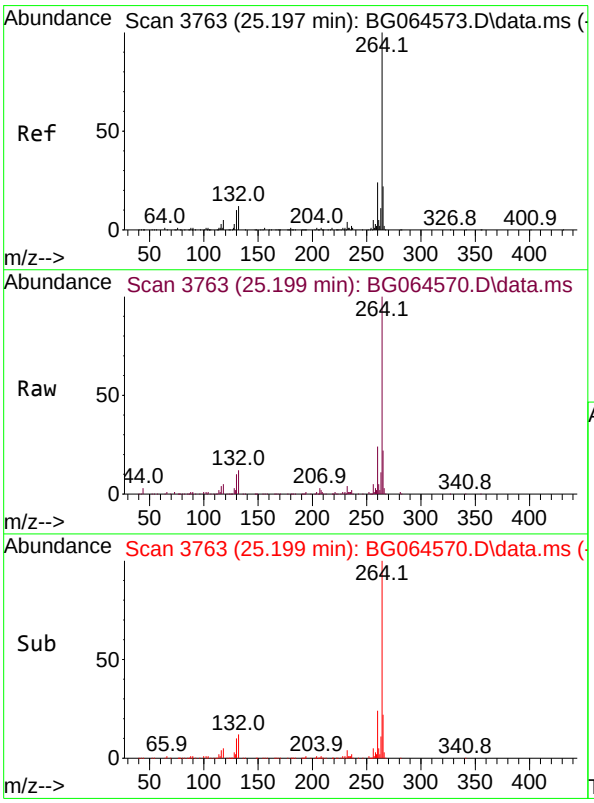
Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.0	30.0
279	4.3	3.1	4.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

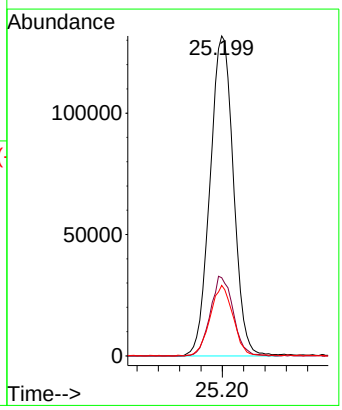


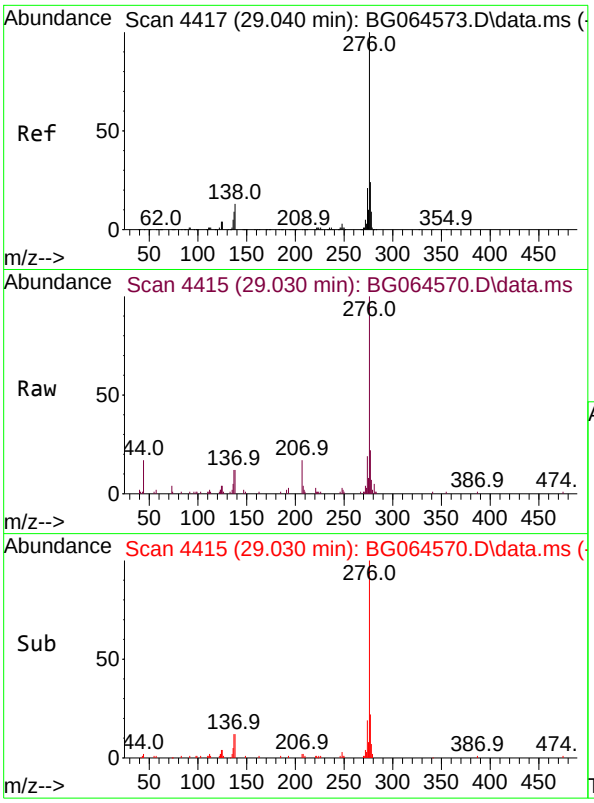


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.199 min Scan# 3763
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:264 Resp: 401350

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.1	17.6	26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.700 ng
RT: 29.030 min Scan# 44
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

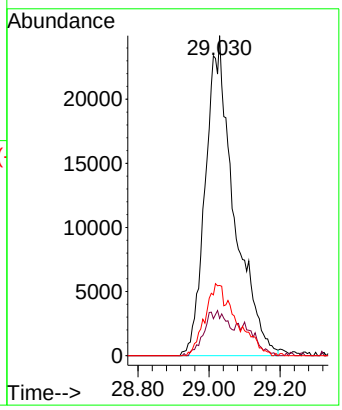
Tgt Ion:276 Resp: 138758

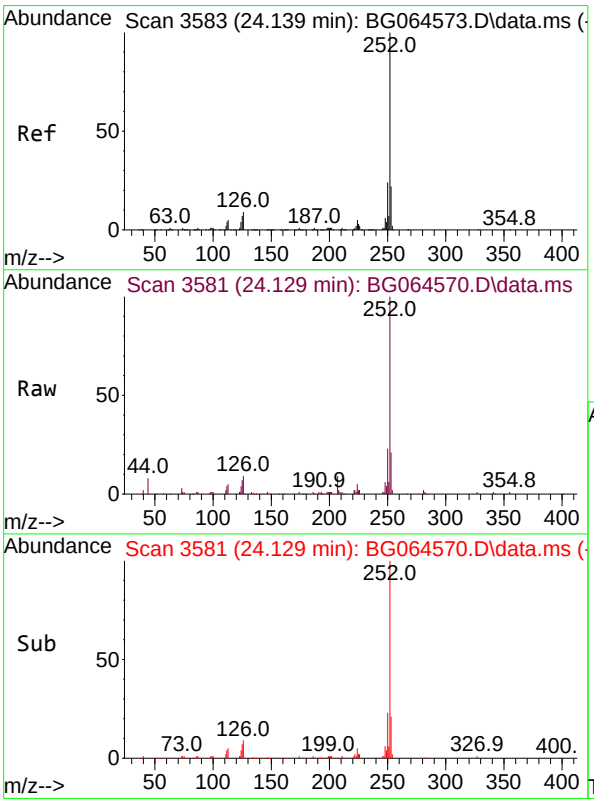
Ion	Ratio	Lower	Upper
276	100		
138	0.0	10.8	16.2#
277	24.6	20.1	30.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

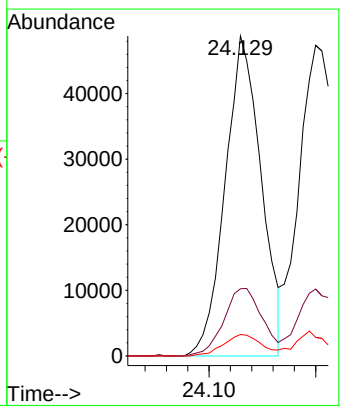


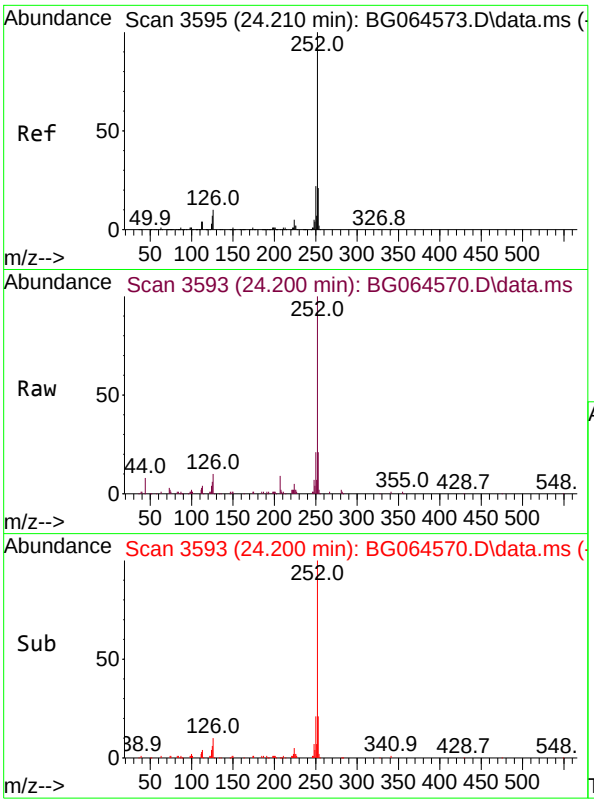


#88
Benzo(b)fluoranthene
Concen: 4.640 ng
RT: 24.129 min Scan# 3581
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 114203

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.8	26.8
125	6.7	5.6	8.4





#89
Benzo(k)fluoranthene
Concen: 4.787 ng
RT: 24.200 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

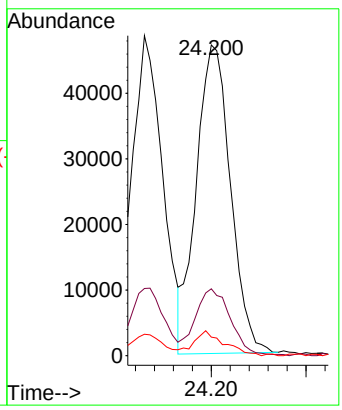
Tgt Ion:252 Resp: 11789

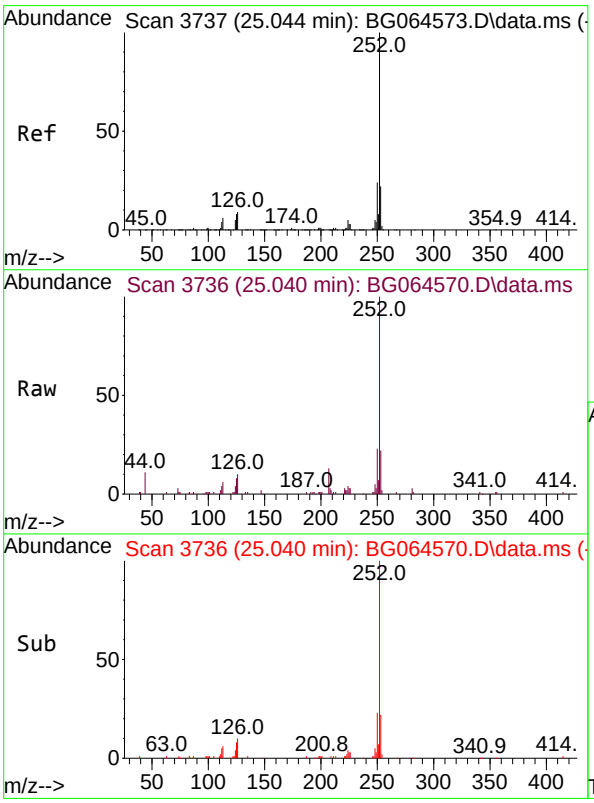
Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.8	25.2
125	6.0	5.4	8.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

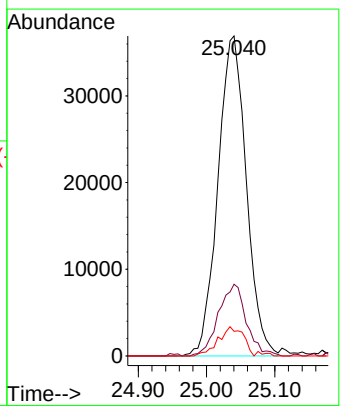


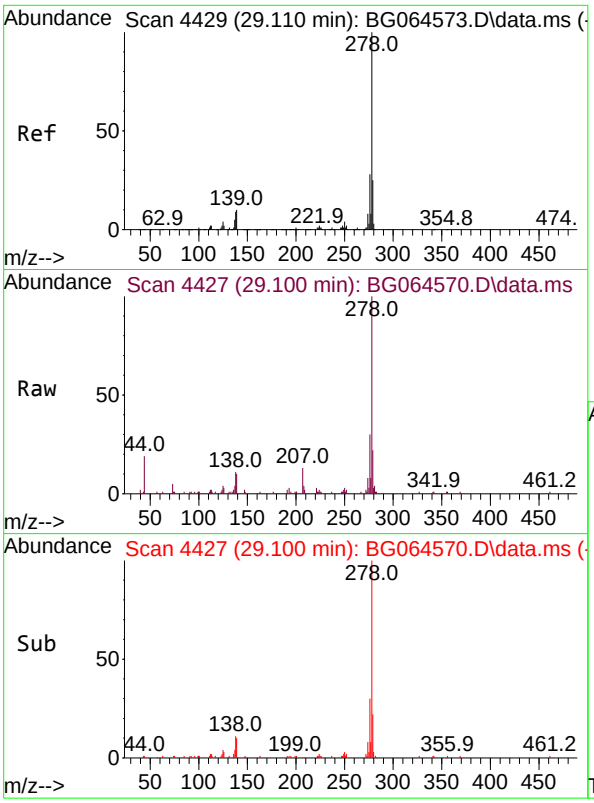


#90
Benzo(a)pyrene
Concen: 4.704 ng
RT: 25.040 min Scan# 3736
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 106414

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	7.7	6.1	9.1





#91
Dibenzo(a,h)anthracene
Concen: 4.686 ng
RT: 29.100 min Scan# 44
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

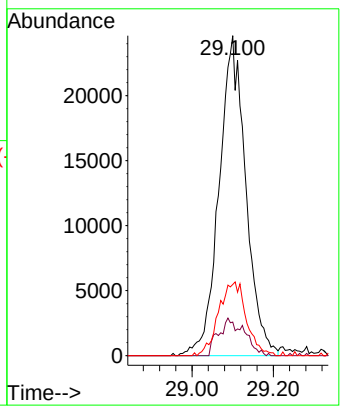
Tgt Ion:278 Resp: 112398

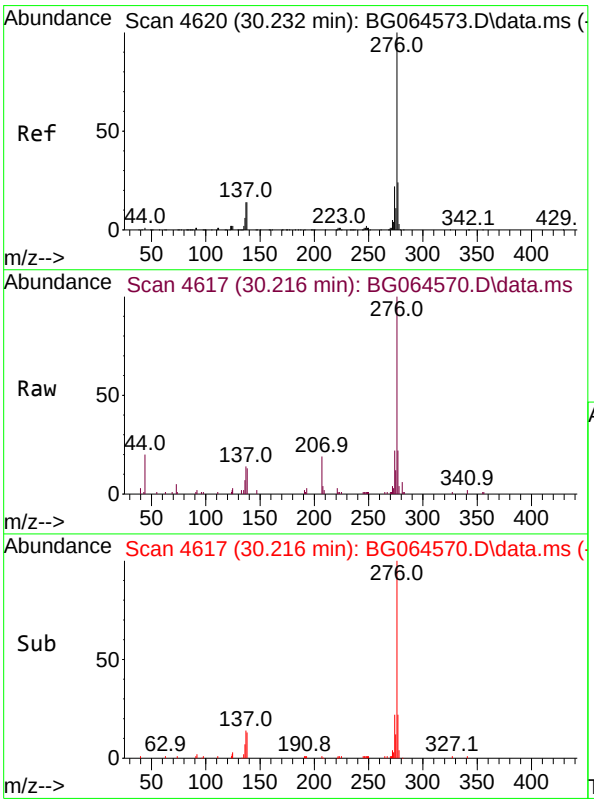
Ion	Ratio	Lower	Upper
278	100		
139	10.5	8.0	12.0
279	22.2	19.8	29.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

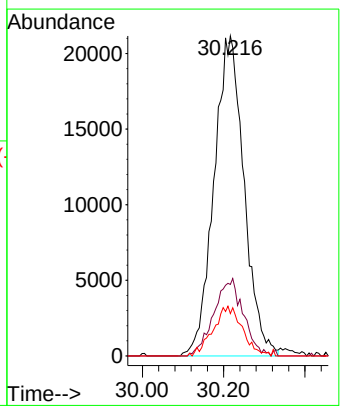




#92
Benzo(g,h,i)perylene
Concen: 4.731 ng
RT: 30.216 min Scan# 4617
Delta R.T. -0.016 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:276 Resp: 108407

Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.1	28.7
138	13.2	11.3	16.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.218	152	36324	20.000	ng		0.00
21) Naphthalene-d8	11.044	136	151627	20.000	ng		0.00
39) Acenaphthene-d10	14.839	164	117618	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	300549	20.000	ng		0.00
76) Chrysene-d12	21.855	240	343958	20.000	ng		0.00
86) Perylene-d12	25.198	264	354939	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	43837	20.257	ng		0.00
7) Phenol-d6	7.348	99	60084	20.233	ng		0.00
23) Nitrobenzene-d5	9.381	82	43376	17.182	ng		0.00
42) 2,4,6-Tribromophenol	16.314	330	31236	18.400	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	163340	21.050	ng		0.00
79) Terphenyl-d14	20.168	244	385094	21.129	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	10545	11.006	ng		97
3) Pyridine	3.999	79	29199	10.148	ng		95
4) n-Nitrosodimethylamine	3.905	42	16561	10.733	ng	#	92
6) Aniline	7.530	93	42134	10.427	ng		97
8) 2-Chlorophenol	7.777	128	21922	9.678	ng		96
9) Benzaldehyde	7.342	77	17117	10.558	ng		94
10) Phenol	7.372	94	33058	10.066	ng		87
11) bis(2-Chloroethyl)ether	7.618	93	25594	10.600	ng		91
12) 1,3-Dichlorobenzene	8.112	146	27537	10.562	ng		98
13) 1,4-Dichlorobenzene	8.253	146	28081	10.593	ng		91
14) 1,2-Dichlorobenzene	8.576	146	27577	10.785	ng		96
15) Benzyl Alcohol	8.447	79	23263	9.500	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.741	45	65452	10.334	ng		97
17) 2-Methylphenol	8.647	107	22254	10.206	ng		97
18) Hexachloroethane	9.322	117	9723	10.452	ng		93
19) n-Nitroso-di-n-propyla...	9.017	70	20724	10.098	ng	#	98
20) 3+4-Methylphenols	8.970	107	30009	9.786	ng		95
22) Acetophenone	9.040	105	42851	10.338	ng	#	93
24) Nitrobenzene	9.422	77	23618	8.602	ng		98
25) Isophorone	9.951	82	60347	9.962	ng		98
26) 2-Nitrophenol	10.139	139	7208	9.491	ng	#	91
27) 2,4-Dimethylphenol	10.192	122	22259	9.879	ng		96
28) bis(2-Chloroethoxy)met...	10.433	93	35170	10.197	ng		98
29) 2,4-Dichlorophenol	10.680	162	22643	9.338	ng		94
30) 1,2,4-Trichlorobenzene	10.903	180	27947	10.143	ng		93
31) Naphthalene	11.097	128	86750	10.319	ng		99
32) Benzoic acid	10.245	122	10748m	10.637	ng		
33) 4-Chloroaniline	11.185	127	34581	10.583	ng		97
34) Hexachlorobutadiene	11.390	225	22099	10.256	ng		95
35) Caprolactam	11.931	113	8521	9.162	ng		92
36) 4-Chloro-3-methylphenol	12.289	107	28904	9.916	ng		98
37) 2-Methylnaphthalene	12.689	142	65070	10.543	ng		95
38) 1-Methylnaphthalene	12.906	142	64384	10.540	ng		95
40) 1,2,4,5-Tetrachloroben...	13.053	216	40253	10.197	ng		98
41) Hexachlorocyclopentadiene	13.036	237	15733	8.855	ng		97
43) 2,4,6-Trichlorophenol	13.276	196	19584	8.673	ng		91

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.341	196	24973	9.584	ng		94
46) 1,1'-Biphenyl	13.682	154	85287	10.200	ng		96
47) 2-Chloronaphthalene	13.723	162	63631	10.081	ng		98
48) 2-Nitroaniline	13.905	65	13764	9.284	ng		91
49) Acenaphthylene	14.563	152	101526	10.198	ng		100
50) Dimethylphthalate	14.281	163	92308	10.256	ng		96
51) 2,6-Dinitrotoluene	14.393	165	10601	9.857	ng		87
52) Acenaphthene	14.904	154	69273	10.184	ng		97
53) 3-Nitroaniline	14.722	138	12414	8.026	ng	#	92
54) 2,4-Dinitrophenol	14.922	184	5082	10.760	ng	#	1
55) Dibenzofuran	15.239	168	115990	10.548	ng		97
56) 4-Nitrophenol	15.010	139	11207	7.815	ng		86
57) 2,4-Dinitrotoluene	15.174	165	15797	9.494	ng	#	94
58) Fluorene	15.879	166	91712	10.679	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.450	232	22645	9.088	ng	#	99
60) Diethylphthalate	15.644	149	96719	10.525	ng		98
61) 4-Chlorophenyl-phenyle...	15.873	204	50818	10.544	ng		97
62) 4-Nitroaniline	15.873	138	14819	8.612	ng		95
63) Azobenzene	16.161	77	88441	10.489	ng		97
65) 4,6-Dinitro-2-methylph...	15.938	198	8190	10.919	ng		86
66) n-Nitrosodiphenylamine	16.079	169	82787	10.197	ng		99
67) 4-Bromophenyl-phenylether	16.767	248	35433	9.949	ng		96
68) Hexachlorobenzene	16.884	284	39975	9.838	ng		94
69) Atrazine	17.019	200	34185	9.785	ng		99
70) Pentachlorophenol	17.225	266	19859	7.838	ng		96
71) Phenanthrene	17.618	178	170294	10.361	ng		99
72) Anthracene	17.712	178	171860	10.279	ng		98
73) Carbazole	17.965	167	155907	10.575	ng		99
74) Di-n-butylphthalate	18.529	149	173716	10.189	ng		99
75) Fluoranthene	19.616	202	219838	10.677	ng		98
77) Benzidine	19.781	184	67427	8.750	ng		99
78) Pyrene	19.975	202	228905	10.186	ng		99
80) Butylbenzylphthalate	20.850	149	61669	9.080	ng		94
81) Benzo(a)anthracene	21.831	228	233051	10.219	ng		99
82) 3,3'-Dichlorobenzidine	21.737	252	71951	9.448	ng		94
83) Chrysene	21.902	228	222018	10.231	ng		97
84) Bis(2-ethylhexyl)phtha...	21.749	149	95500	9.410	ng	#	99
85) Di-n-octyl phthalate	23.012	149	149877	8.759	ng		99
87) Indeno(1,2,3-cd)pyrene	29.023	276	264547	10.132	ng		93
88) Benzo(b)fluoranthene	24.128	252	221197	10.163	ng		98
89) Benzo(k)fluoranthene	24.199	252	223674	10.270	ng		98
90) Benzo(a)pyrene	25.033	252	202985	10.146	ng		98
91) Dibenzo(a,h)anthracene	29.099	278	217114	10.235	ng		99
92) Benzo(g,h,i)perylene	30.210	276	206153	10.173	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

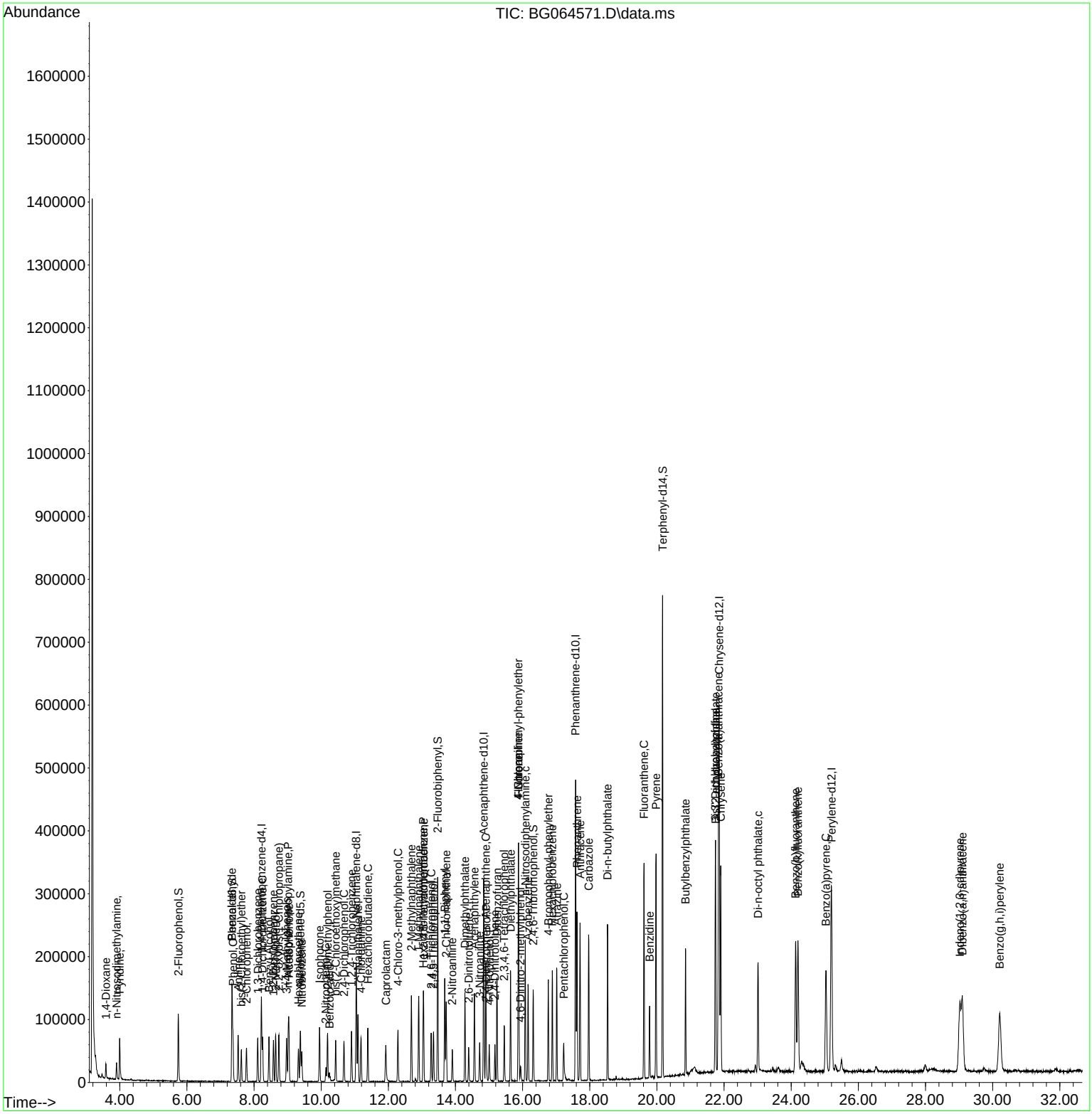
ICAL Form

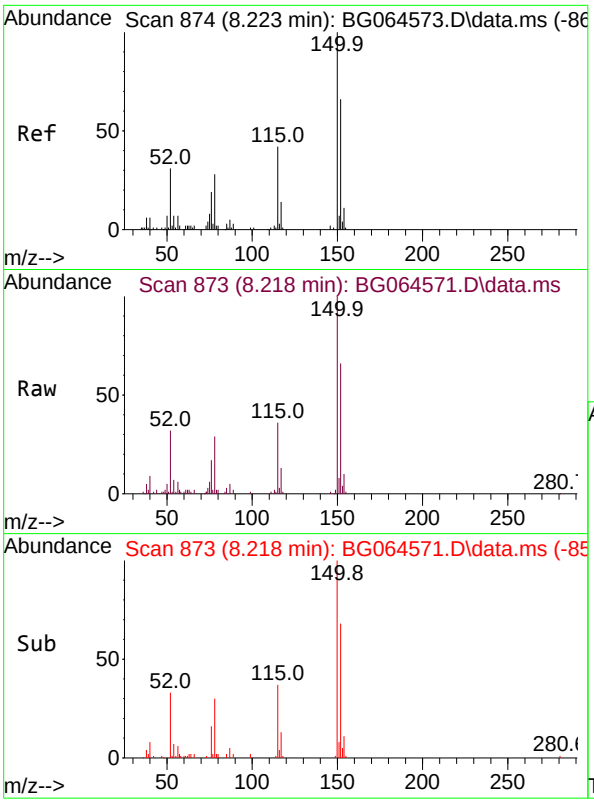
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

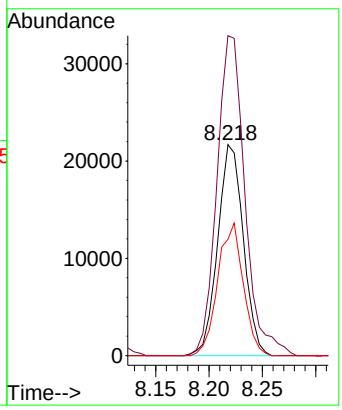
Tgt Ion:152 Resp: 3632

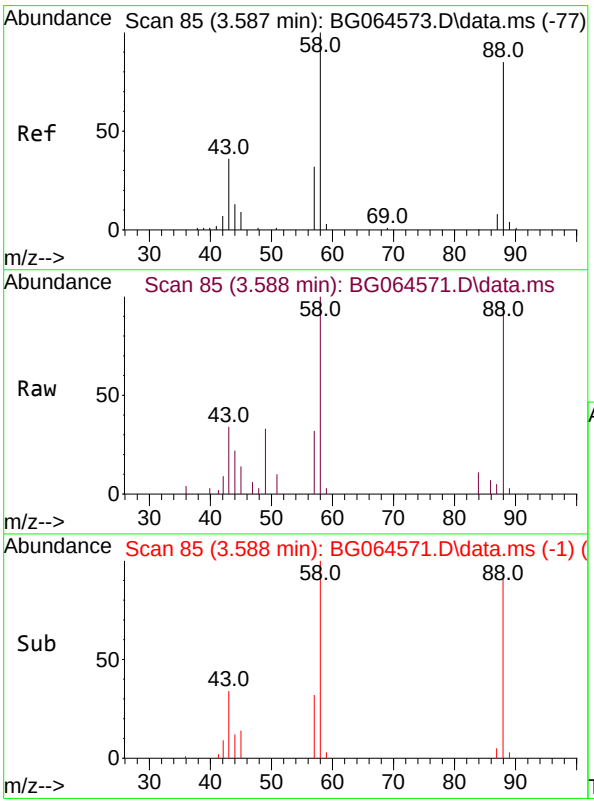
Ion	Ratio	Lower	Upper
152	100		
150	151.7	122.2	183.4
115	55.1	50.8	76.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

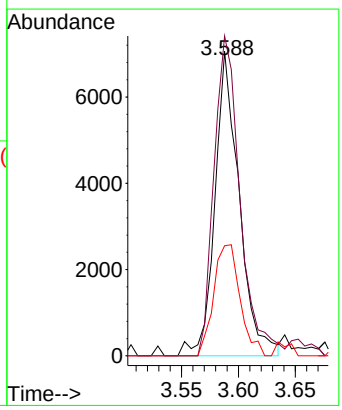


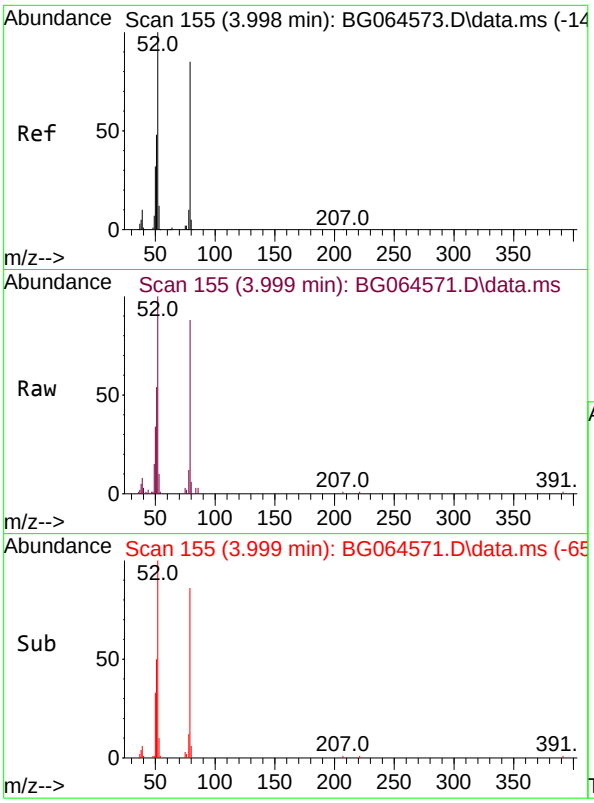


#2
1,4-Dioxane
Concen: 11.006 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 88 Resp: 10545

Ion	Ratio	Lower	Upper
88	100		
58	112.0	92.4	138.6
43	39.4	33.0	49.6





#3
Pyridine
Concen: 10.148 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

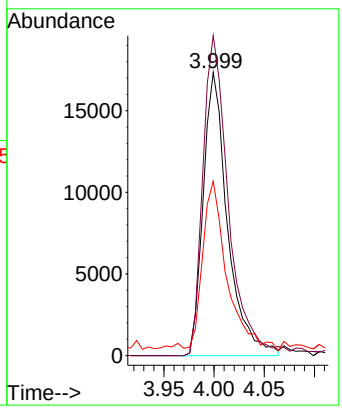
Tgt Ion: 79 Resp: 29199

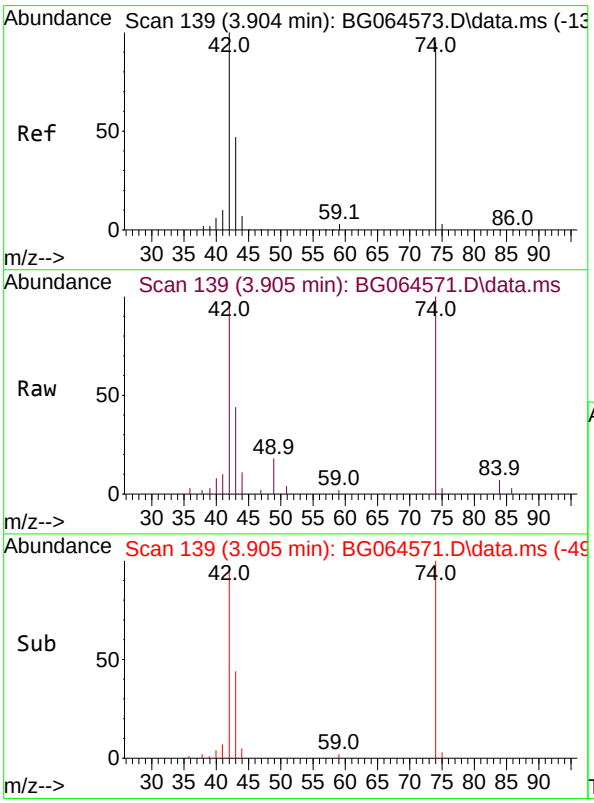
Ion	Ratio	Lower	Upper
79	100		
52	113.0	94.2	141.2
51	61.6	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

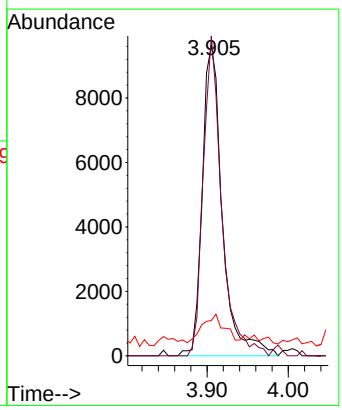


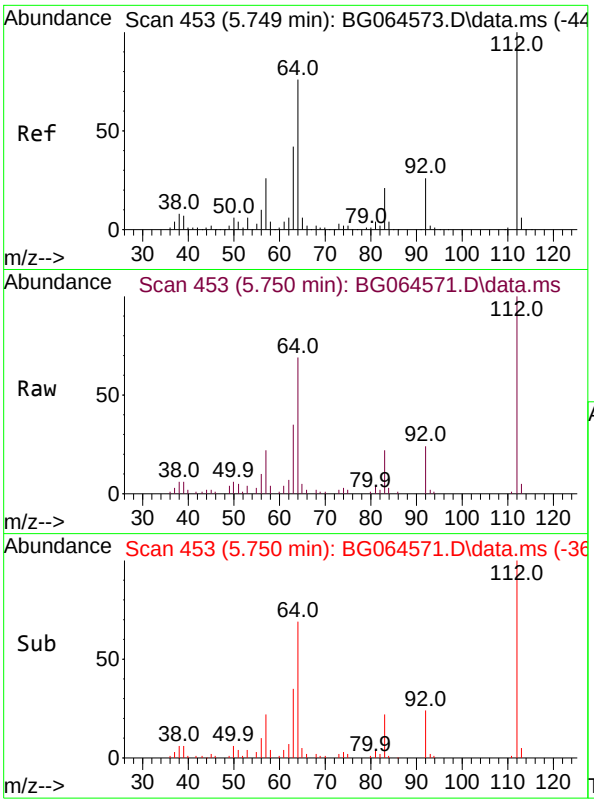


#4
n-Nitrosodimethylamine
Concen: 10.733 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 42 Resp: 16561

Ion	Ratio	Lower	Upper
42	100		
74	103.1	76.1	114.1
44	11.4	6.3	9.5#





#5
2-Fluorophenol
Concen: 20.257 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

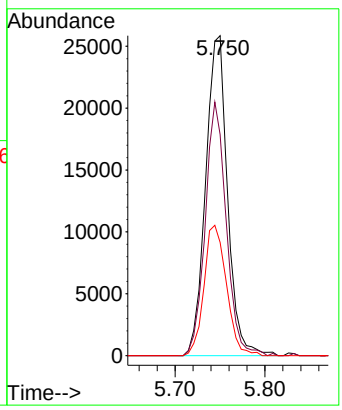
Tgt Ion:112 Resp: 4383

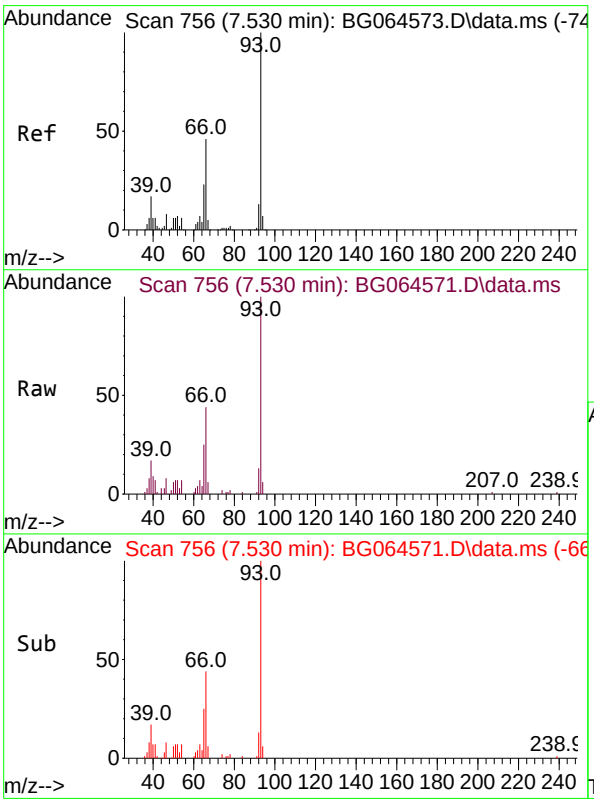
Ion	Ratio	Lower	Upper
112	100		
64	69.1	60.7	91.1
63	35.4	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

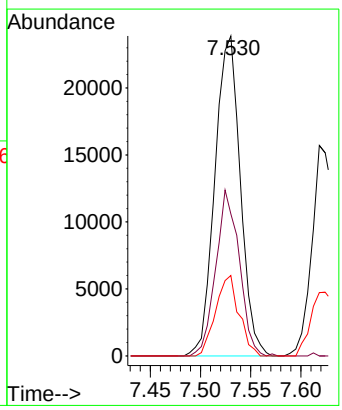


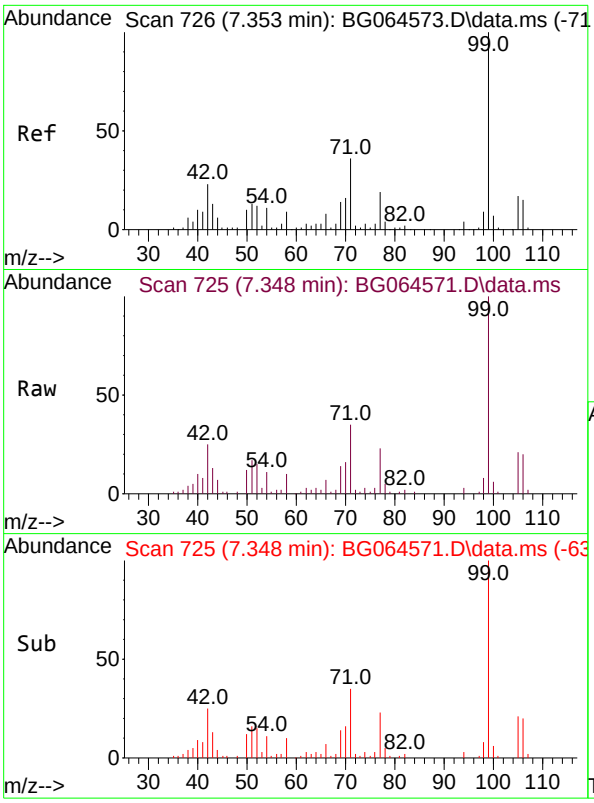


#6
Aniline
Concen: 10.427 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 42134

Ion	Ratio	Lower	Upper
93	100		
66	44.4	37.0	55.6
65	25.1	18.3	27.5





#7
Phenol-d6
Concen: 20.233 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

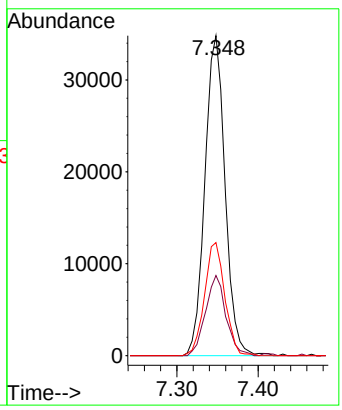
Tgt Ion: 99 Resp: 6008

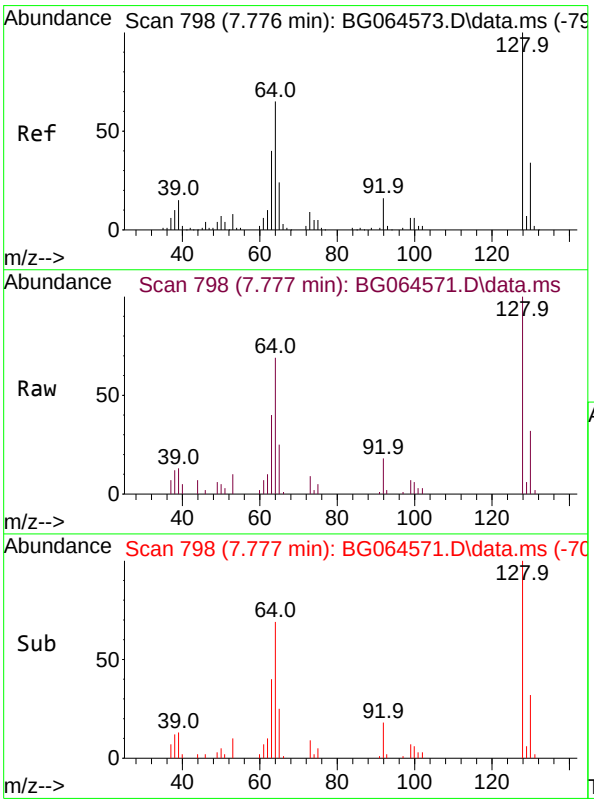
Ion	Ratio	Lower	Upper
99	100		
42	25.0	18.3	27.5
71	35.3	28.6	43.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

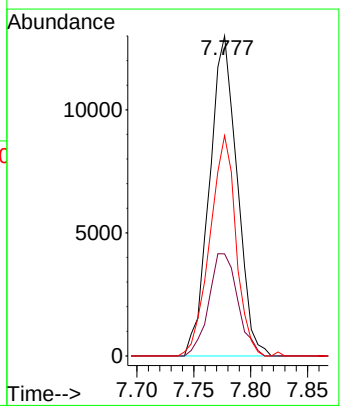


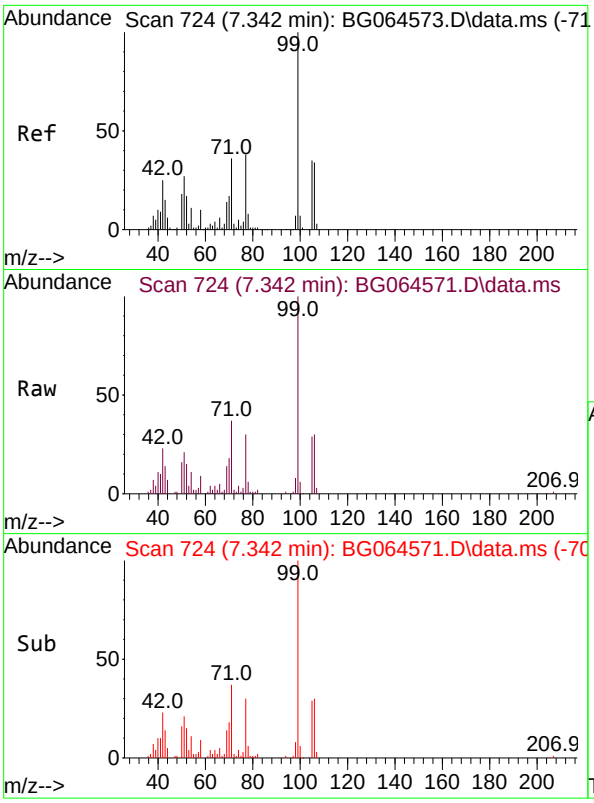


#8
2-Chlorophenol
Concen: 9.678 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:128 Resp: 21922

Ion	Ratio	Lower	Upper
128	100		
130	31.9	13.5	53.5
64	68.8	45.2	85.2





#9
Benzaldehyde
Concen: 10.558 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 1711

Ion	Ratio	Lower	Upper
77	100		
105	96.5	72.9	112.9
106	98.4	70.8	110.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
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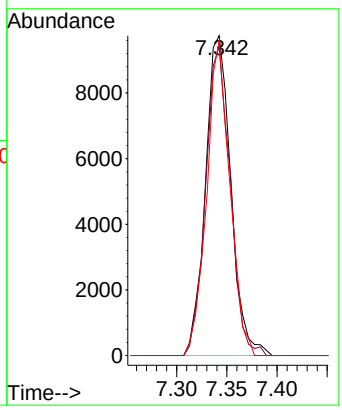
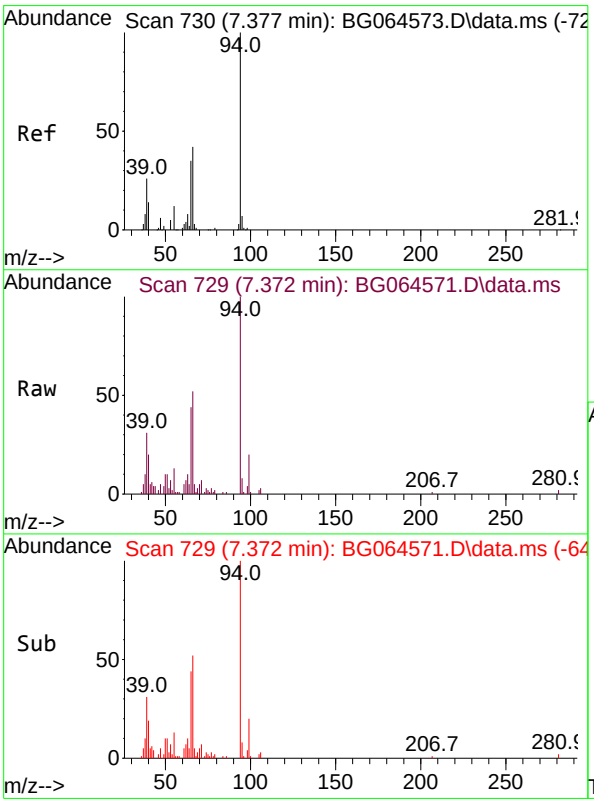
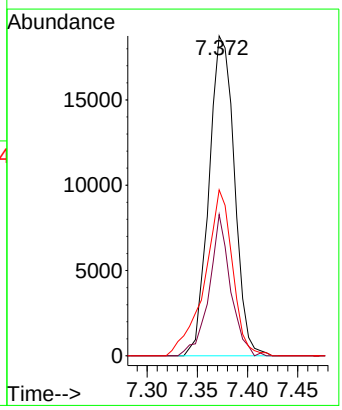


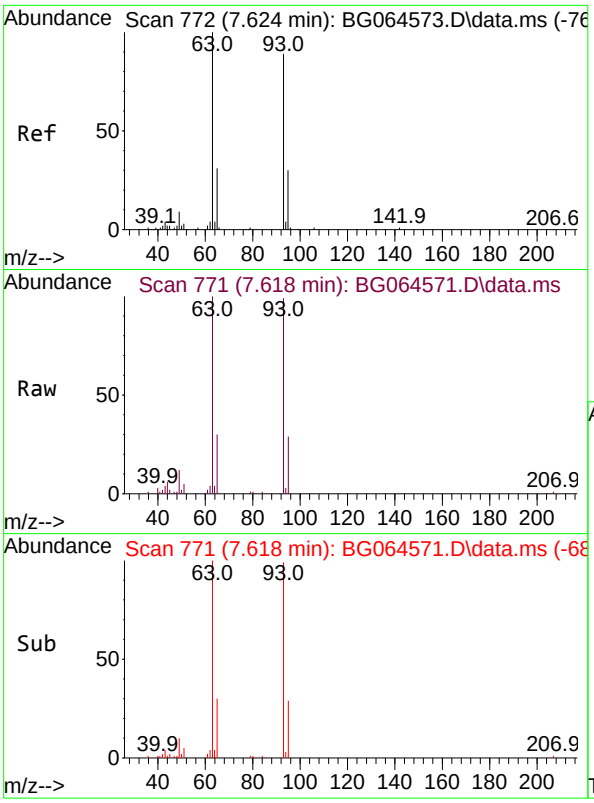


#10
Phenol
Concen: 10.066 ng
RT: 7.372 min Scan# 729
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 94 Resp: 33058

Ion	Ratio	Lower	Upper
94	100		
65	44.2	15.8	55.8
66	51.9	24.0	64.0





#11
bis(2-Chloroethyl)ether
Concen: 10.600 ng
RT: 7.618 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 2559

Ion	Ratio	Lower	Upper
93	100		
63	101.2	91.3	131.3
95	29.6	13.3	53.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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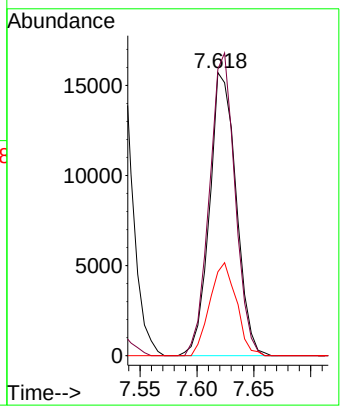
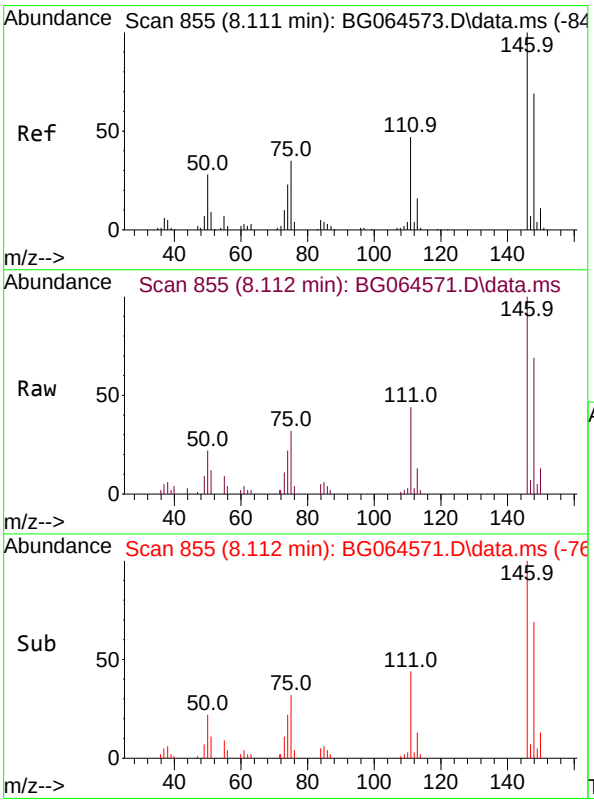
Supervised By :mohammad ahmed 11/05/2025

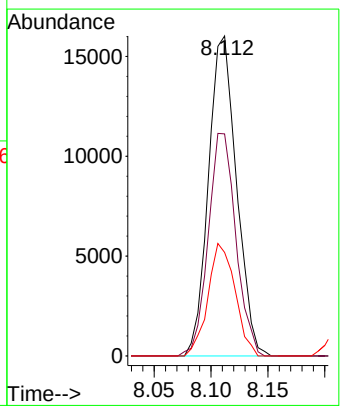


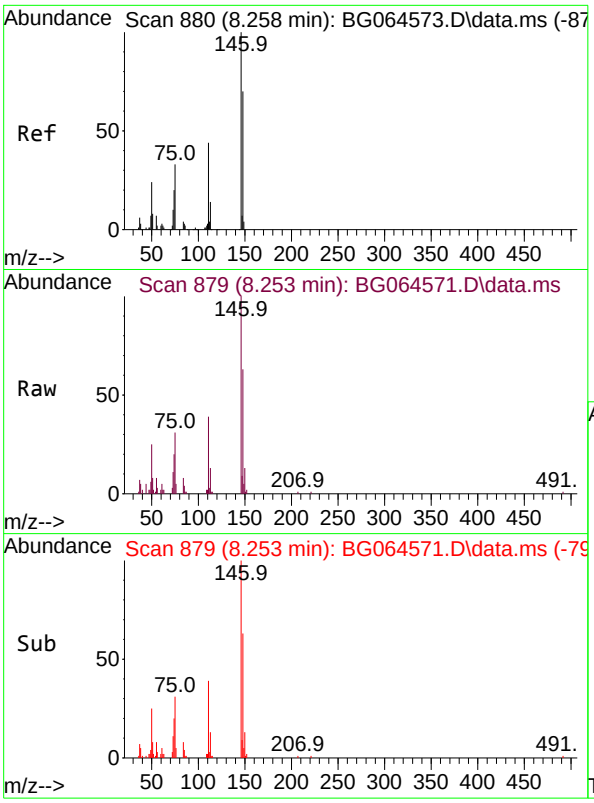


#12
1,3-Dichlorobenzene
Concen: 10.562 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 27537

Ion	Ratio	Lower	Upper
146	100		
148	69.4	55.3	82.9
75	32.3	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 10.593 ng
RT: 8.253 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

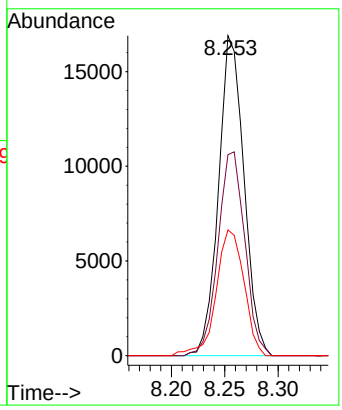
Tgt Ion:146 Resp: 2808

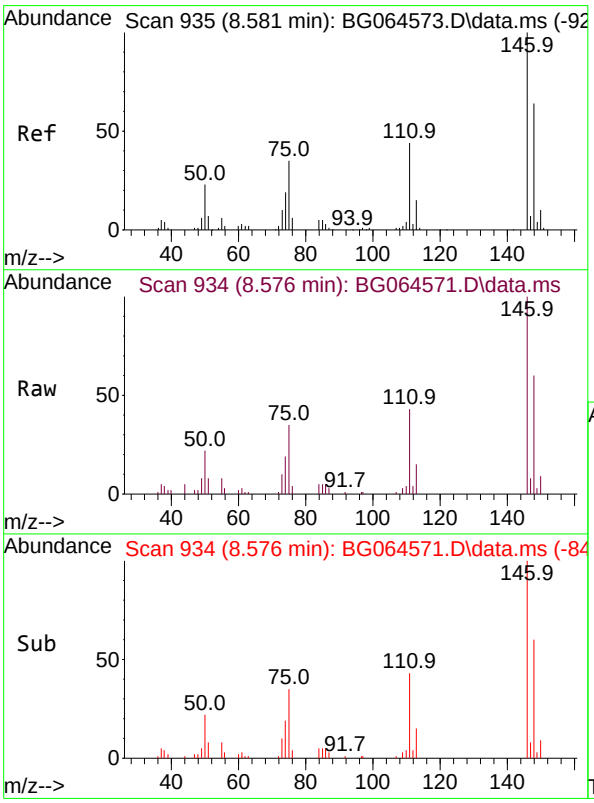
Ion	Ratio	Lower	Upper
146	100		
148	62.8	56.2	84.4
111	39.3	35.4	53.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

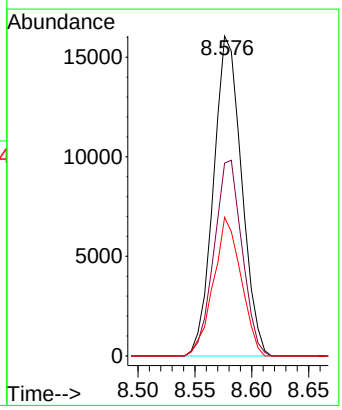


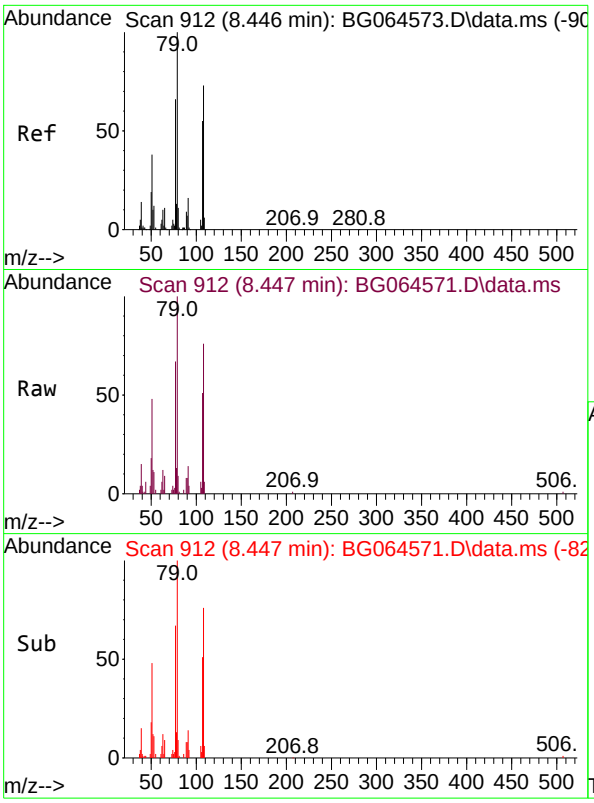


#14
1,2-Dichlorobenzene
Concen: 10.785 ng
RT: 8.576 min Scan# 934
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 27577

Ion	Ratio	Lower	Upper
146	100		
148	60.2	51.5	77.3
111	43.3	35.0	52.6





#15
Benzyl Alcohol
Concen: 9.500 ng
RT: 8.447 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 79 Resp: 2326

Ion	Ratio	Lower	Upper
79	100		
108	76.3	58.1	87.1
77	66.9	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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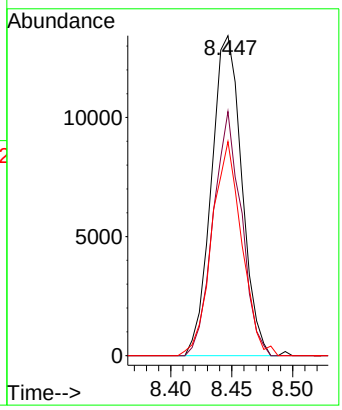
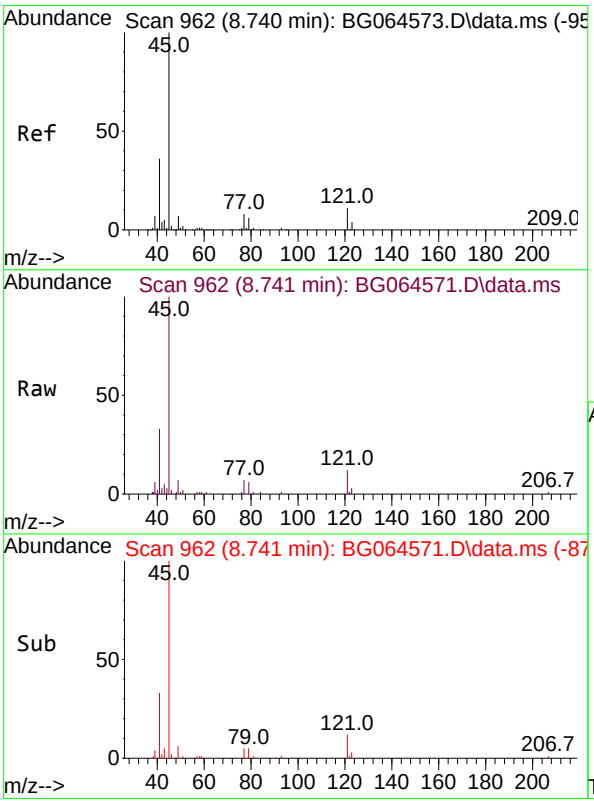
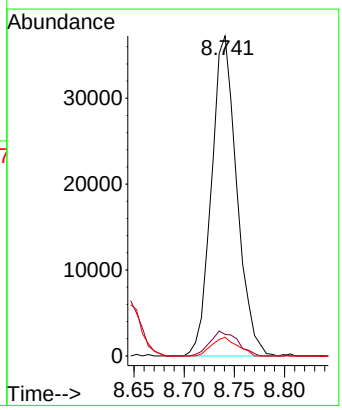


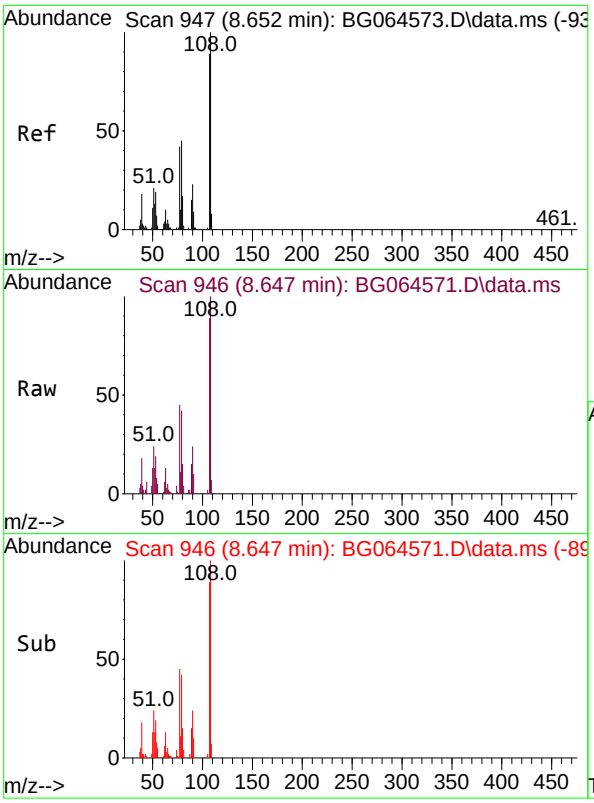


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.334 ng
RT: 8.741 min Scan# 962
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 45 Resp: 65452

Ion	Ratio	Lower	Upper
45	100		
77	6.7	0.0	28.5
79	5.8	0.0	25.6

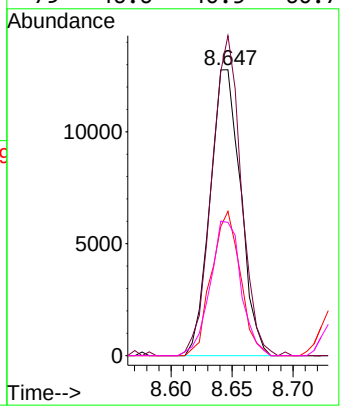




#17
2-Methylphenol
Concen: 10.206 ng
RT: 8.647 min Scan# 94
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 22254

Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.0	135.0
77	50.5	37.8	56.8
79	46.6	40.5	60.7



Instrument :
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ClientSampleId :
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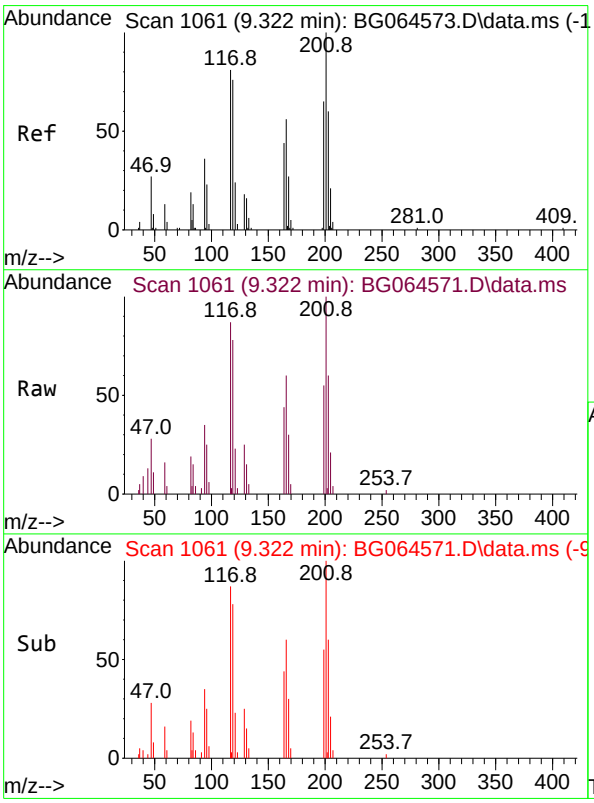
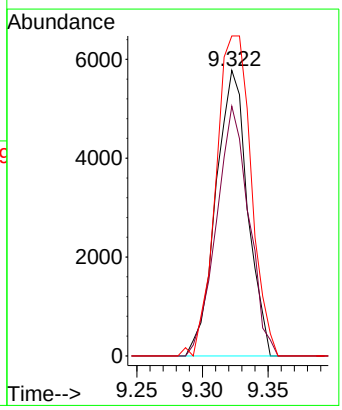
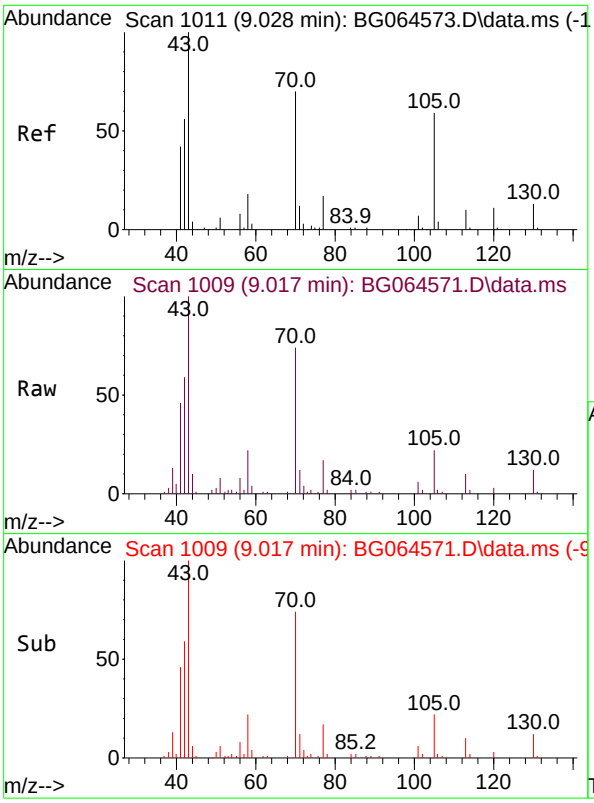


#18
Hexachloroethane
Concen: 10.452 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:117 Resp: 9723

Ion	Ratio	Lower	Upper
117	100		
119	87.5	75.4	113.2
201	115.2	99.2	148.8





#19
n-Nitroso-di-n-propylamine
Concen: 10.098 ng
RT: 9.017 min Scan# 1(
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
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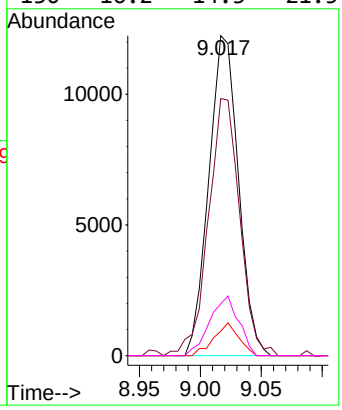
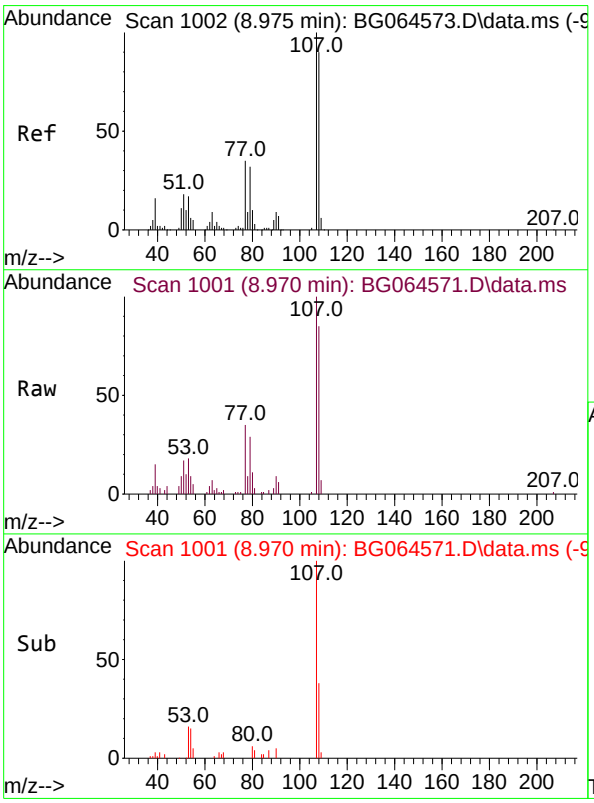
Tgt Ion: 70 Resp: 2072

Ion	Ratio	Lower	Upper
70	100		
42	80.3	65.2	97.8
101	7.6	7.9	11.9#
130	16.2	14.3	21.5

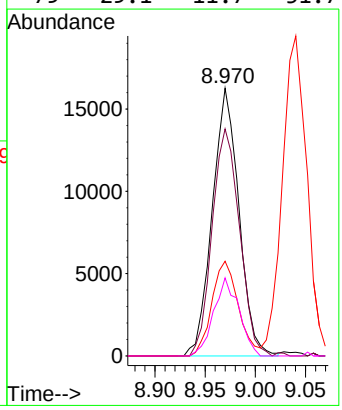


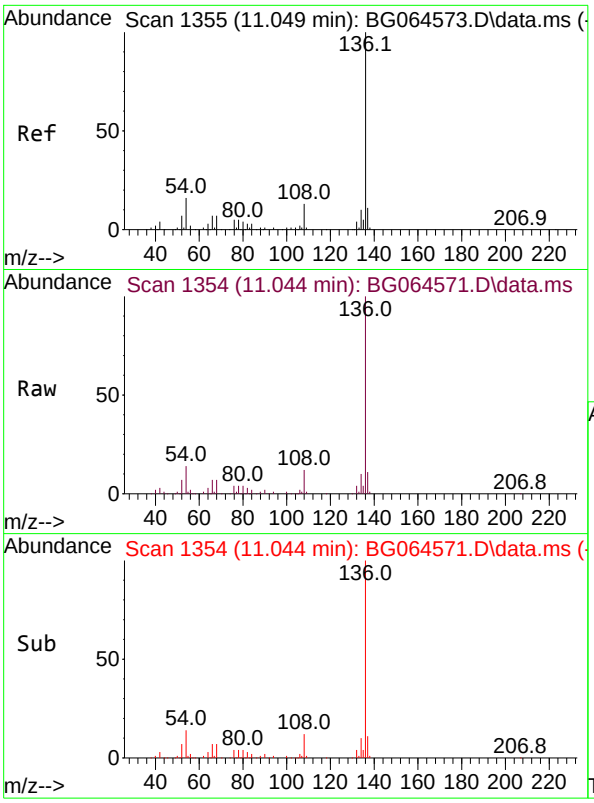


#20
3+4-Methylphenols
Concen: 9.786 ng
RT: 8.970 min Scan# 1001
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 30009

Ion	Ratio	Lower	Upper
107	100		
108	84.8	70.3	110.3
77	35.4	14.6	54.6
79	29.1	11.7	51.7

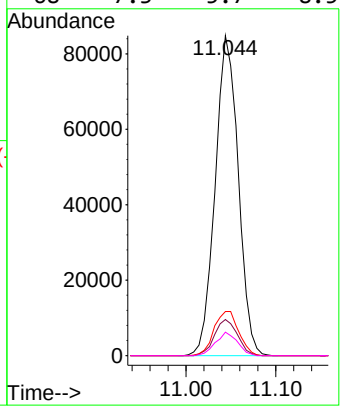




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:136 Resp: 15162

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	13.8	12.6	19.0
68	7.3	5.7	8.5



Instrument :
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ClientSampleId :
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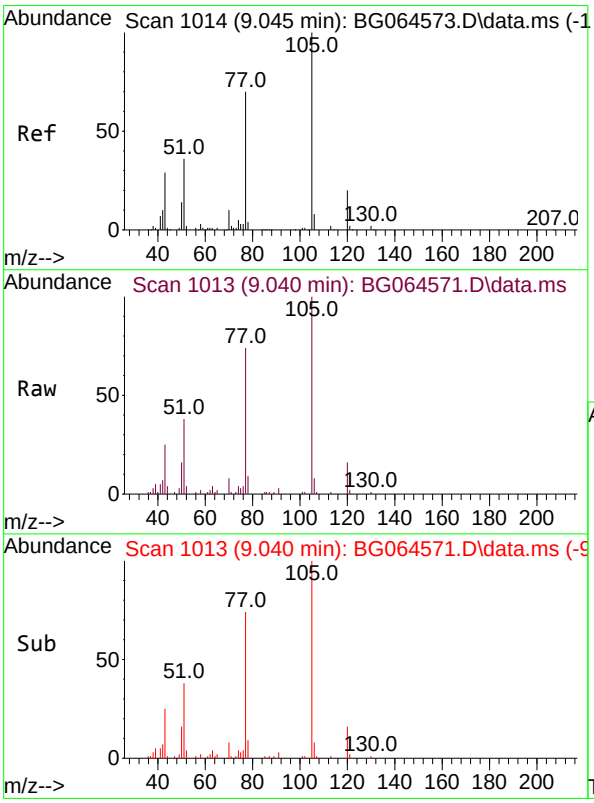
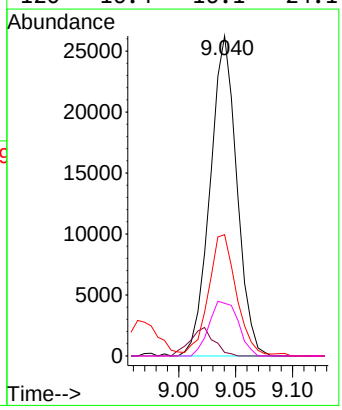
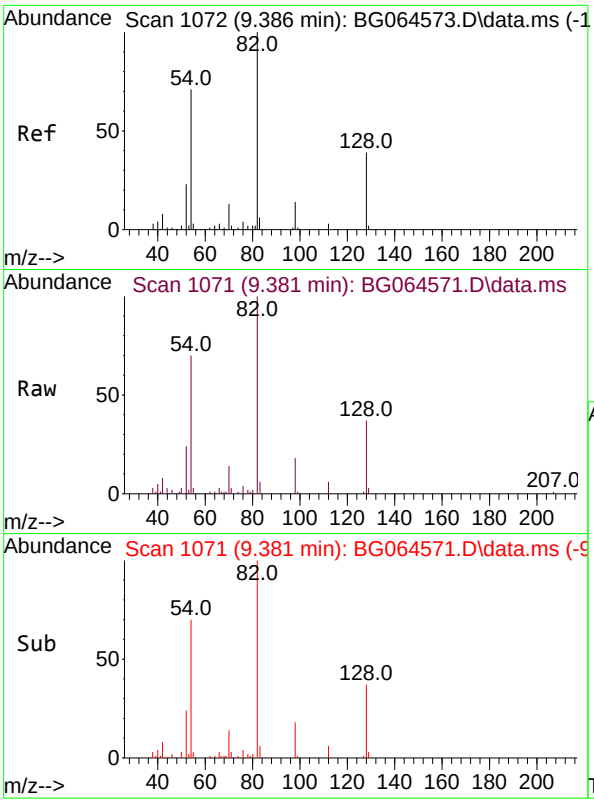


#22
Acetophenone
Concen: 10.338 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:105 Resp: 42851

Ion	Ratio	Lower	Upper
105	100		
71	1.1	1.5	2.3#
51	37.9	33.7	50.5
120	16.4	16.1	24.1





#23
Nitrobenzene-d5
Concen: 17.182 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 82 Resp: 4337

Ion	Ratio	Lower	Upper
82	100		
128	37.2	31.3	46.9
54	70.1	56.6	84.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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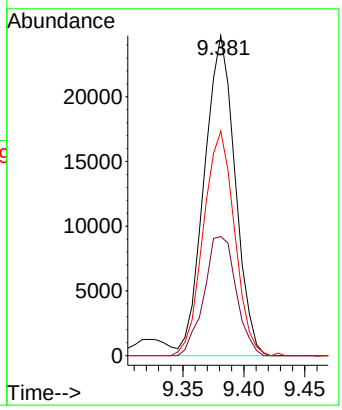
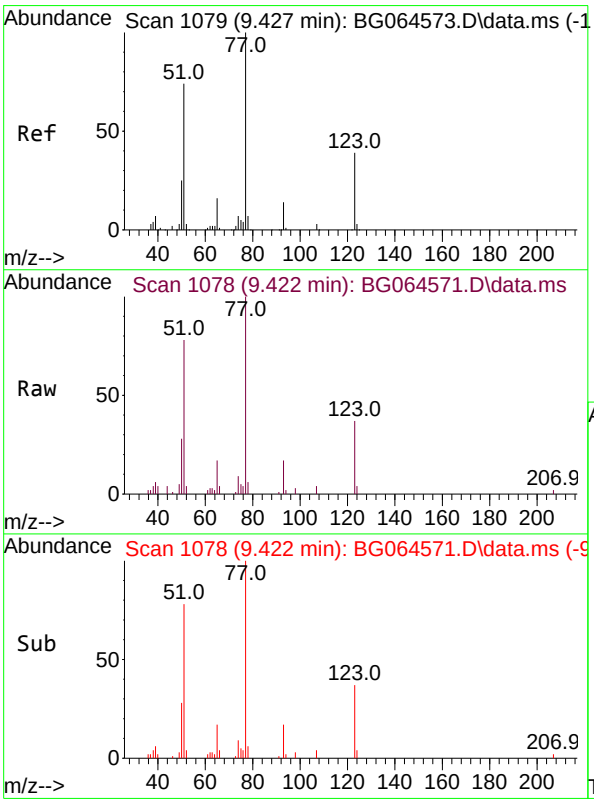
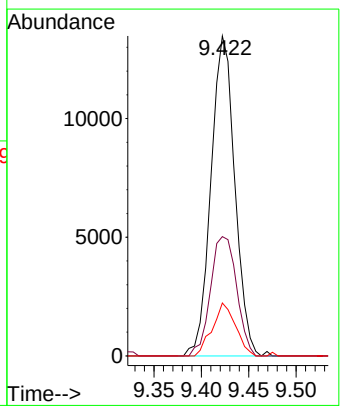


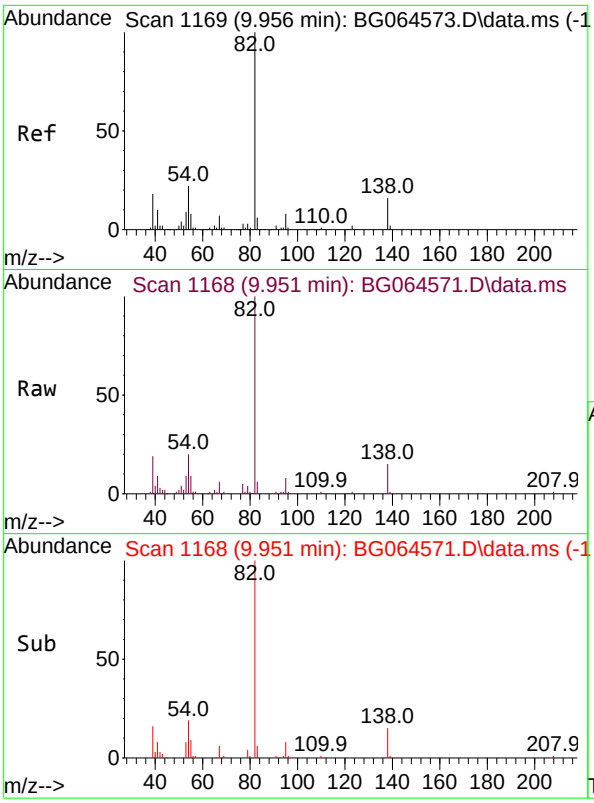


#24
Nitrobenzene
Concen: 8.602 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 23618

Ion	Ratio	Lower	Upper
77	100		
123	37.3	31.0	46.6
65	16.5	12.7	19.1





#25
Isophorone
Concen: 9.962 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 82 Resp: 6034

Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.1	9.1
138	15.1	13.0	19.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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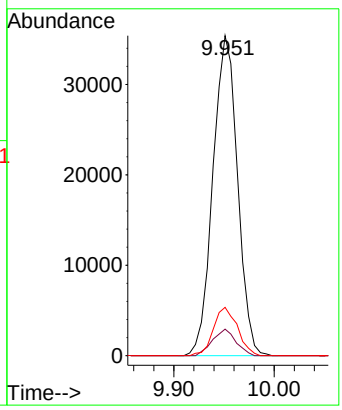
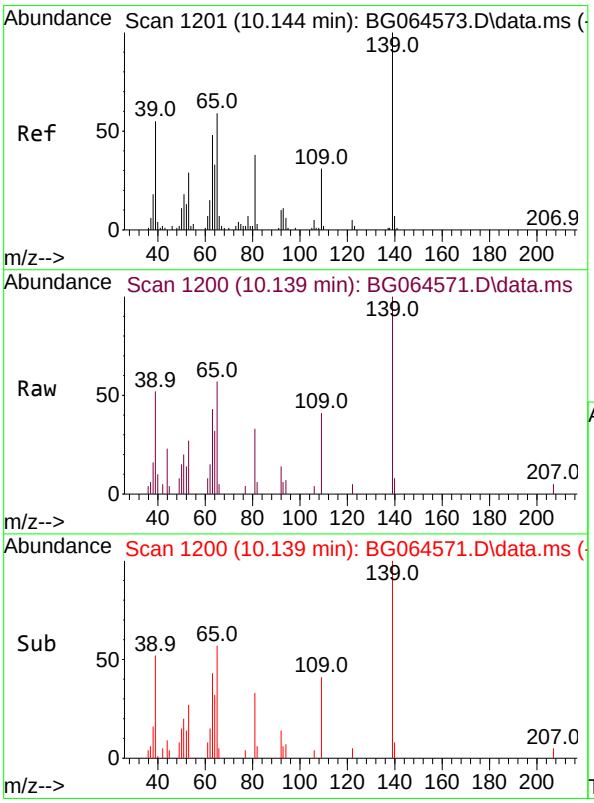
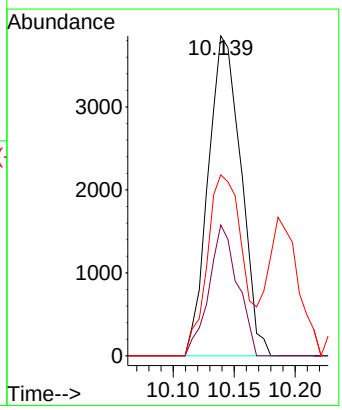


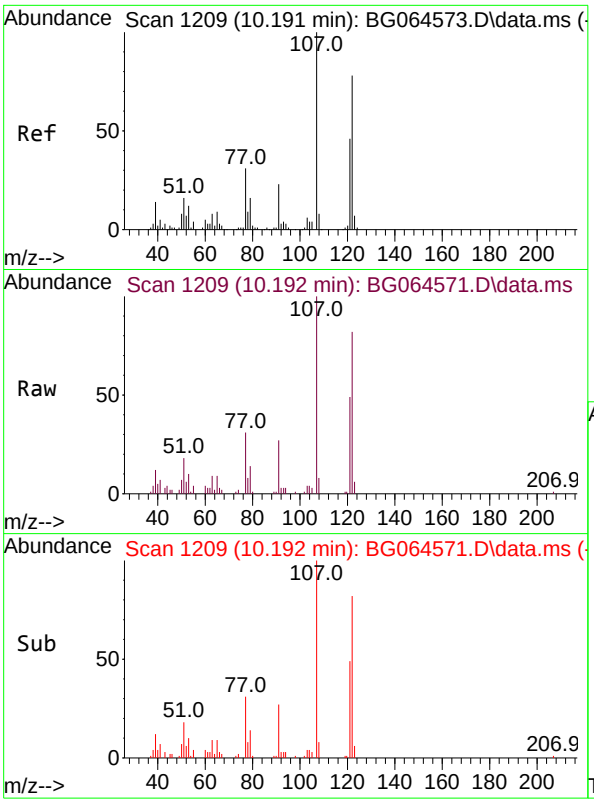


#26
2-Nitrophenol
Concen: 9.491 ng
RT: 10.139 min Scan# 1200
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:139 Resp: 7208

Ion	Ratio	Lower	Upper
139	100		
109	40.9	24.6	37.0#
65	56.6	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 9.879 ng
RT: 10.192 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:122 Resp: 2225

Ion	Ratio	Lower	Upper
122	100		
107	121.6	103.0	154.4
121	60.2	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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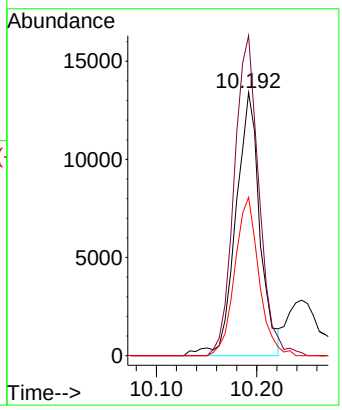
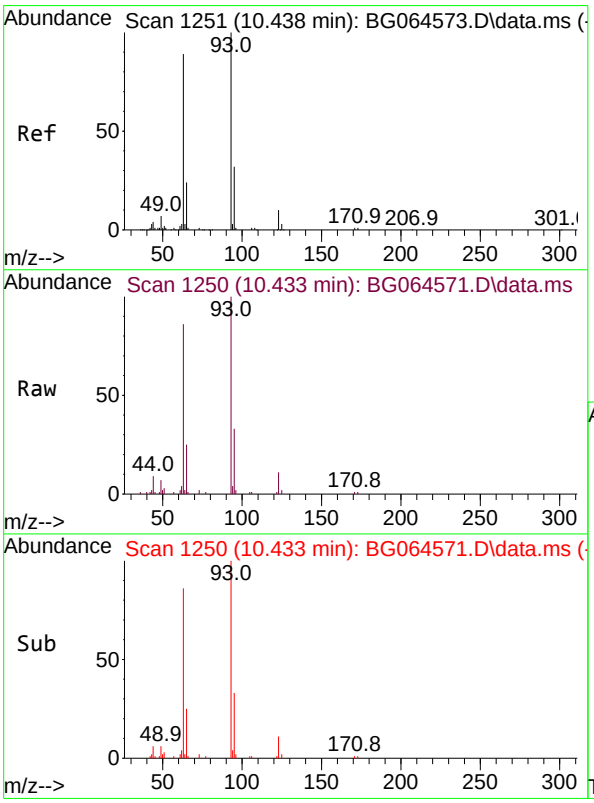
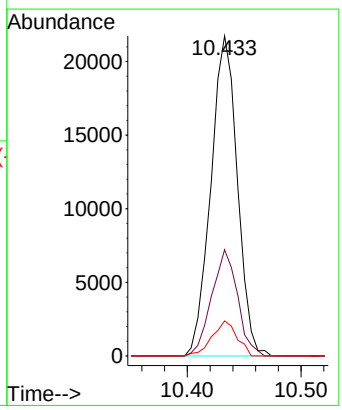


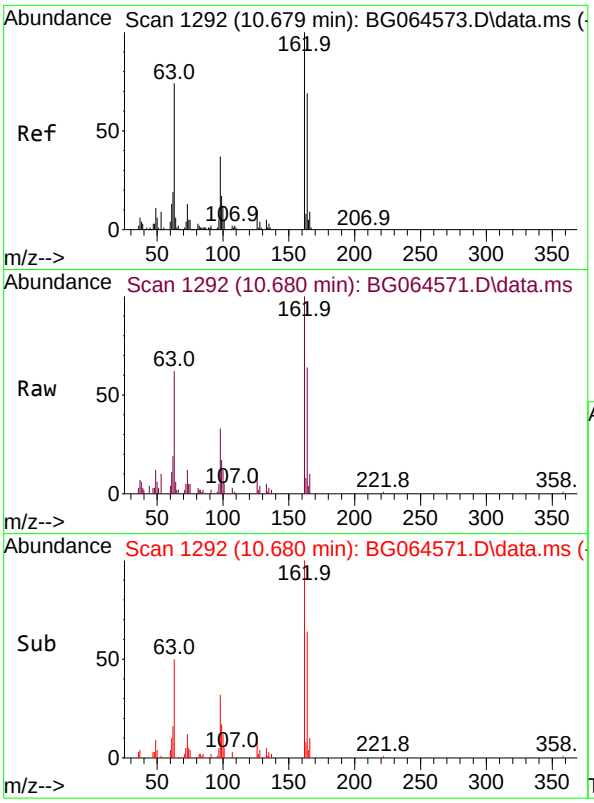


#28
bis(2-Chloroethoxy)methane
Concen: 10.197 ng
RT: 10.433 min Scan# 1250
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 35170

Ion	Ratio	Lower	Upper
93	100		
95	33.2	25.4	38.2
123	11.0	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 9.338 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:162 Resp: 2264

Ion	Ratio	Lower	Upper
162	100		
164	64.0	48.7	88.7
98	32.7	16.9	56.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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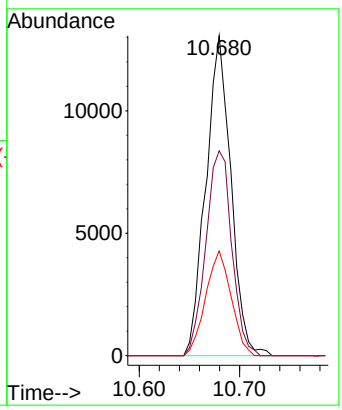
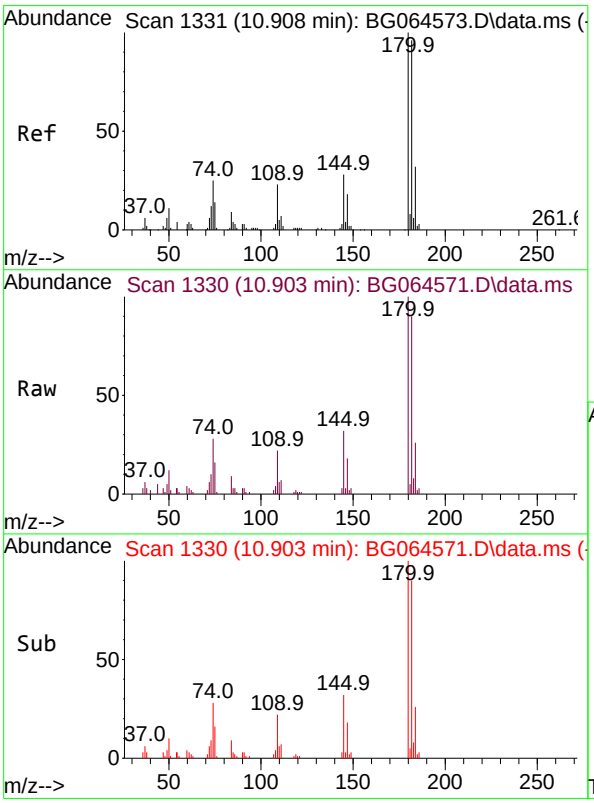
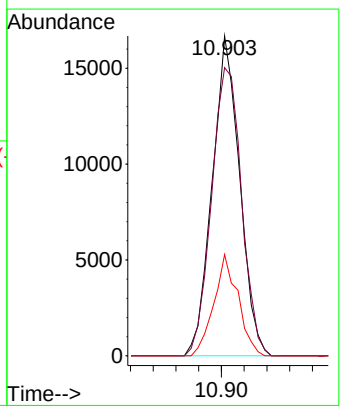


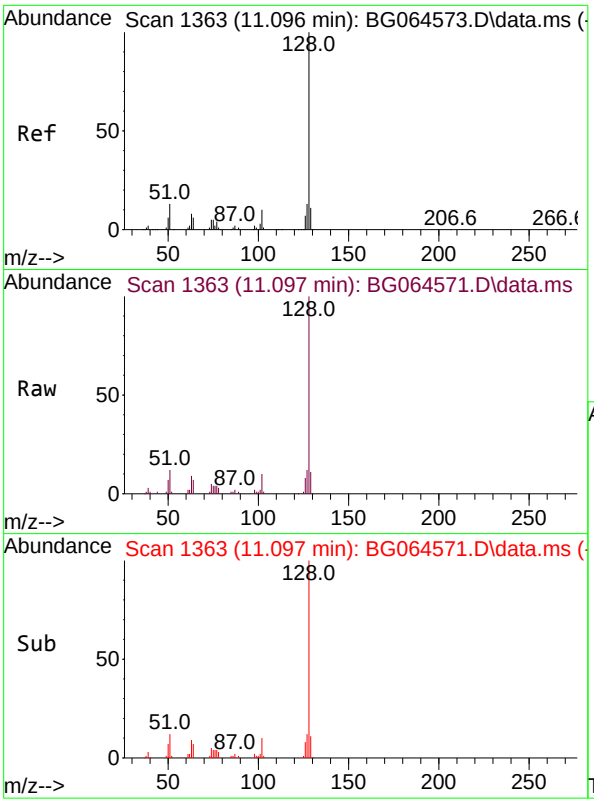


#30
1,2,4-Trichlorobenzene
Concen: 10.143 ng
RT: 10.903 min Scan# 1330
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:180 Resp: 27947

Ion	Ratio	Lower	Upper
180	100		
182	90.1	76.9	115.3
145	31.7	22.1	33.1





#31
Naphthalene
Concen: 10.319 ng
RT: 11.097 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:128 Resp: 8675

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.4	10.6	15.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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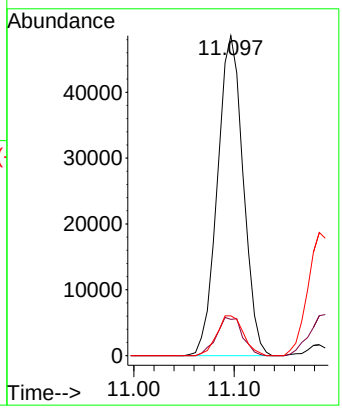
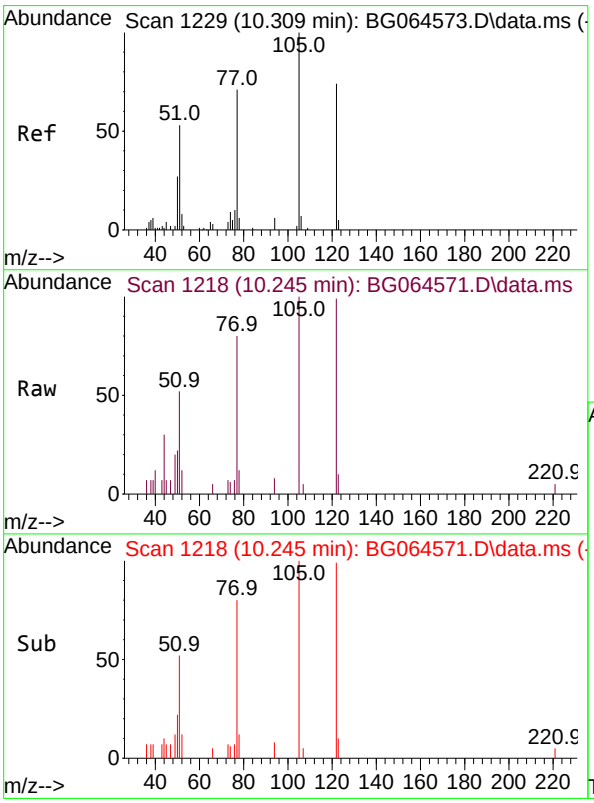
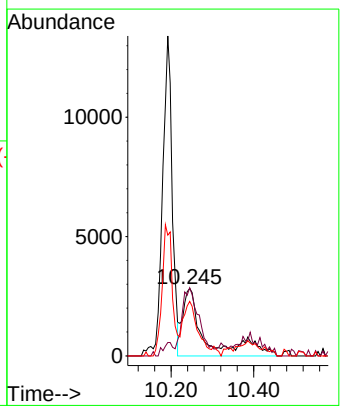


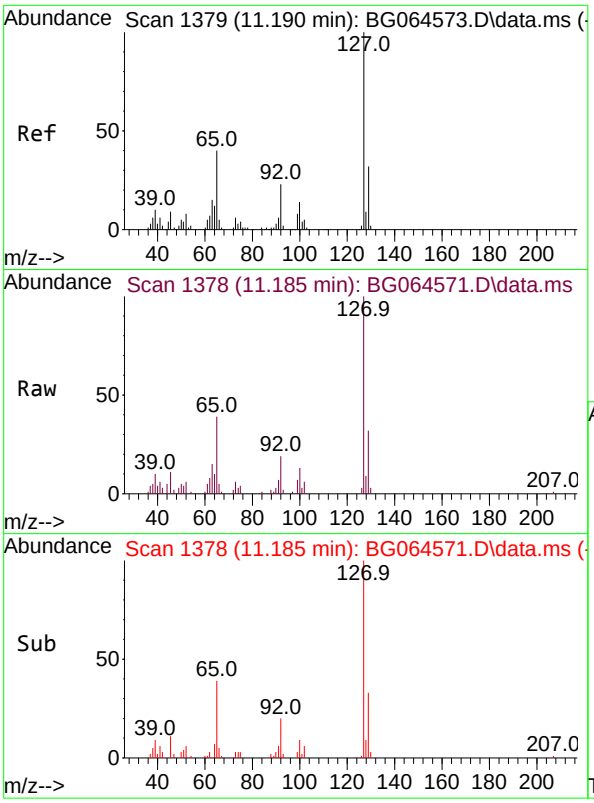


#32
Benzoic acid
Concen: 10.637 ng m
RT: 10.245 min Scan# 1218
Delta R.T. -0.064 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:122 Resp: 10748

Ion	Ratio	Lower	Upper
122	100		
105	100.8	104.2	144.2#
77	80.6	70.2	110.2





#33
4-Chloroaniline
Concen: 10.583 ng
RT: 11.185 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:127 Resp: 3458

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.5	38.3
65	39.1	32.2	48.4
92	19.3	18.2	27.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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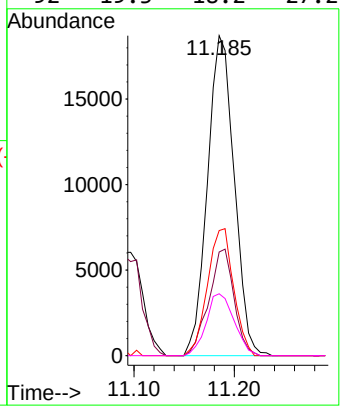
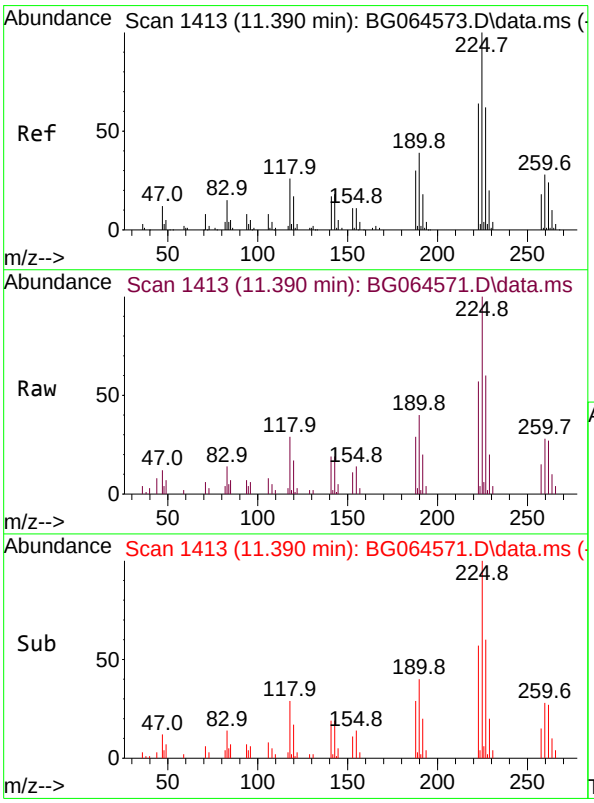
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

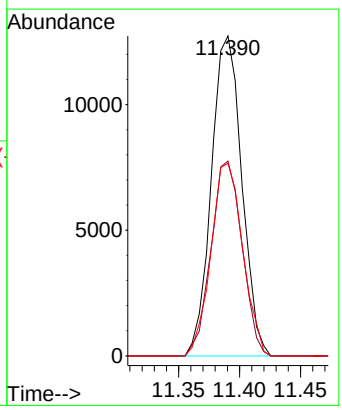


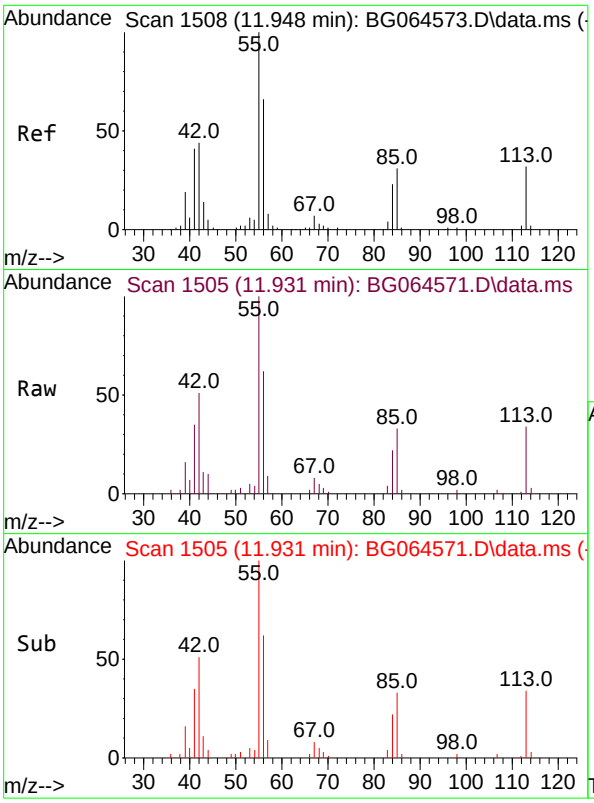


#34
Hexachlorobutadiene
Concen: 10.256 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:225 Resp: 22099

Ion	Ratio	Lower	Upper
225	100		
223	57.6	48.8	73.2
227	57.0	49.5	74.3





#35
Caprolactam
Concen: 9.162 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:113 Resp: 852

Ion	Ratio	Lower	Upper
113	100		
55	297.7	290.1	330.1
56	185.5	183.8	223.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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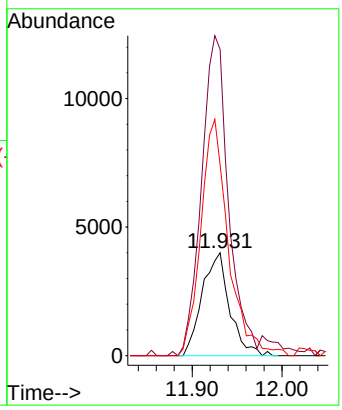
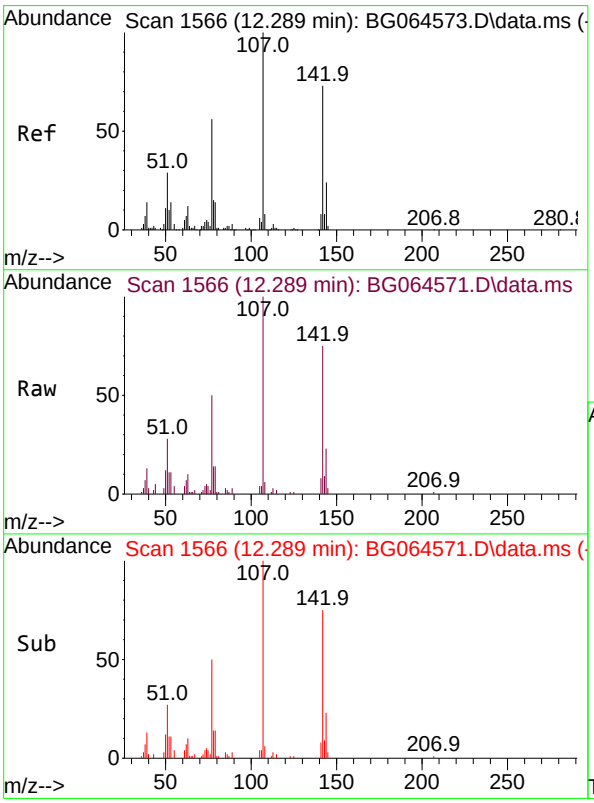
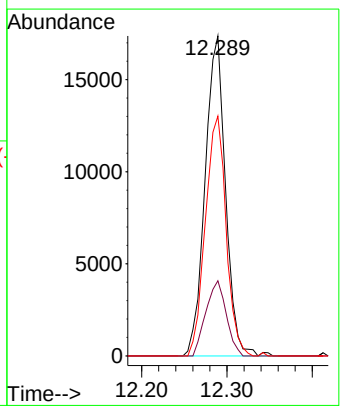


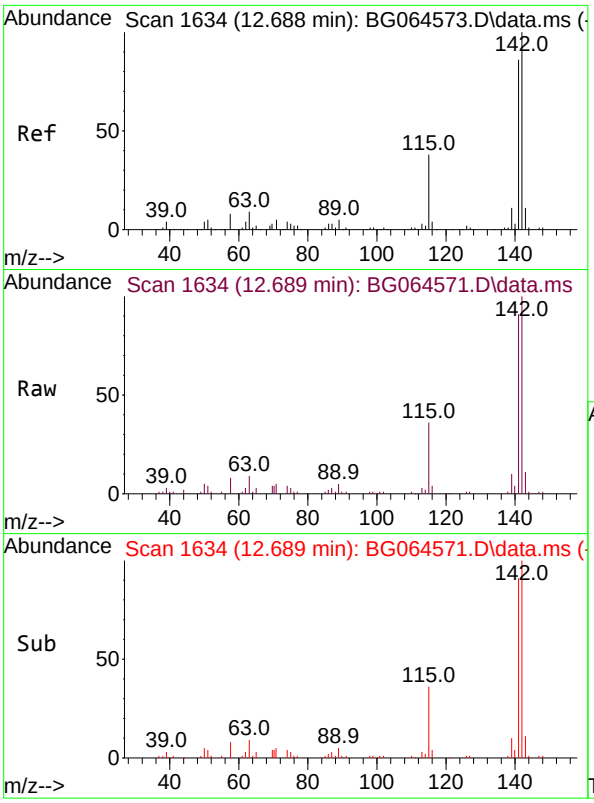


#36
4-Chloro-3-methylphenol
Concen: 9.916 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 28904

Ion	Ratio	Lower	Upper
107	100		
144	23.5	19.1	28.7
142	74.9	58.6	87.8





#37
2-Methylnaphthalene
Concen: 10.543 ng
RT: 12.689 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:142 Resp: 6507

Ion	Ratio	Lower	Upper
142	100		
141	90.6	68.9	103.3
115	36.0	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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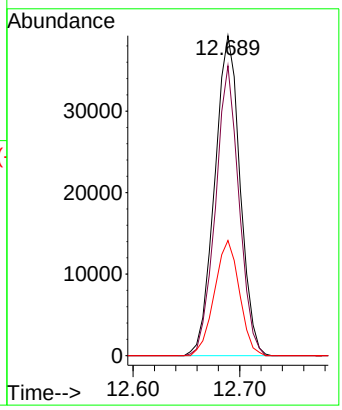
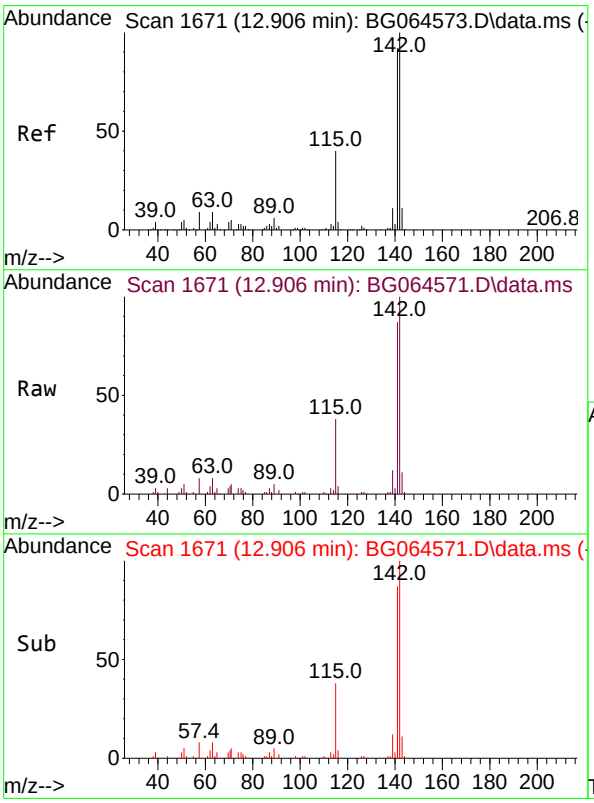
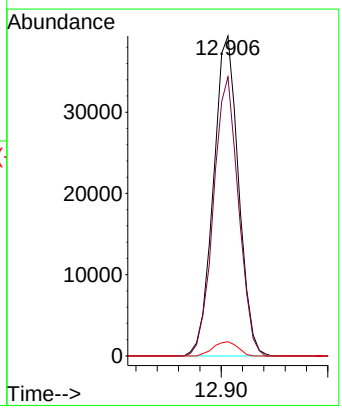


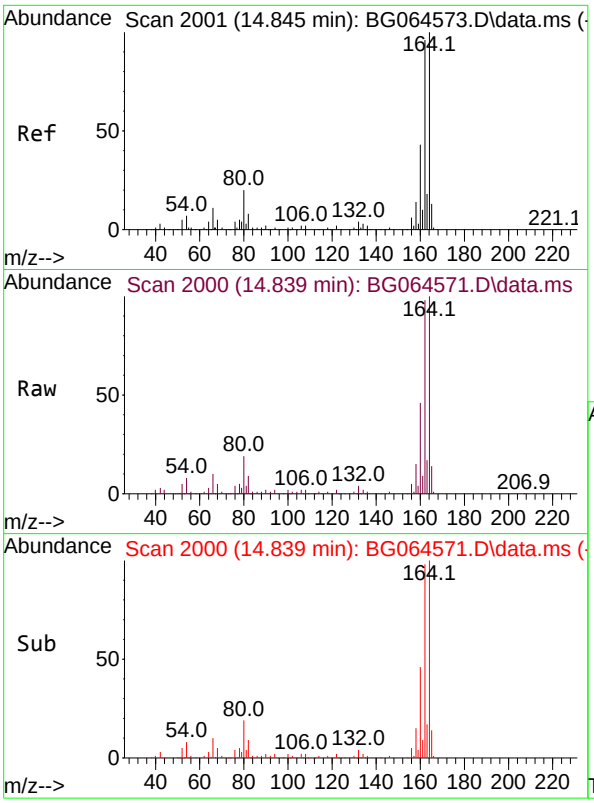


#38
1-Methylnaphthalene
Concen: 10.540 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:142 Resp: 64384

Ion	Ratio	Lower	Upper
142	100		
141	87.2	73.3	109.9
116	4.4	3.1	4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:164 Resp: 117618

Ion	Ratio	Lower	Upper
164	100		
162	98.4	77.0	115.6
160	46.2	34.4	51.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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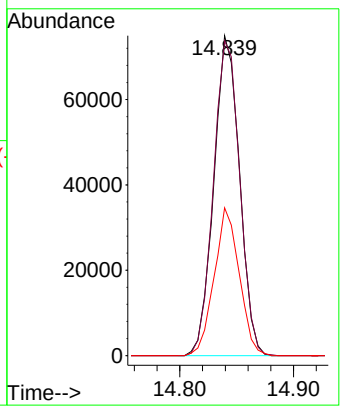
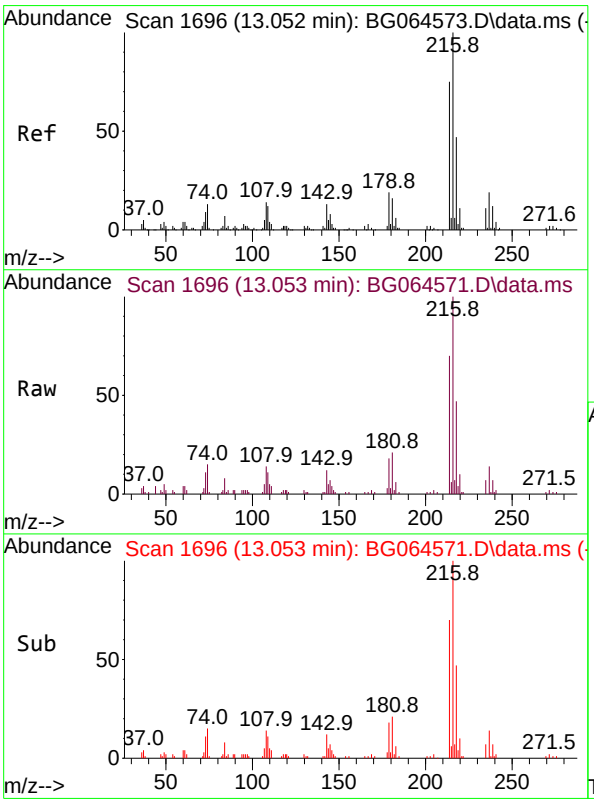
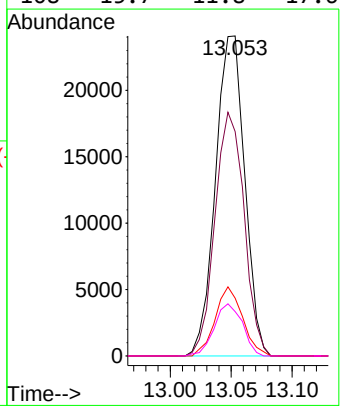


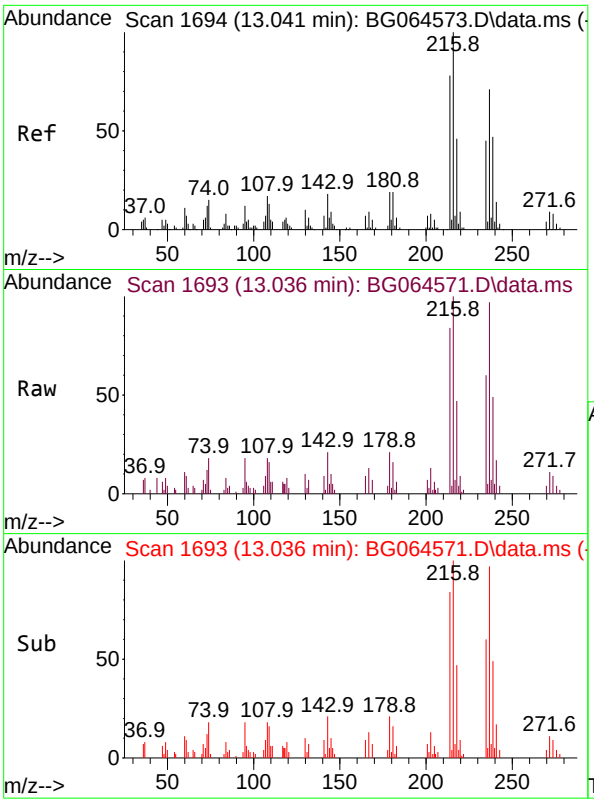


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.197 ng
RT: 13.053 min Scan# 1696
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:216 Resp: 40253

Ion	Ratio	Lower	Upper
216	100		
214	75.7	61.4	92.2
179	20.2	15.4	23.0
108	15.7	11.8	17.6





#41
Hexachlorocyclopentadiene
Concen: 8.855 ng
RT: 13.036 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:237 Resp: 1573

Ion	Ratio	Lower	Upper
237	100		
235	61.6	44.1	84.1
272	10.9	0.0	32.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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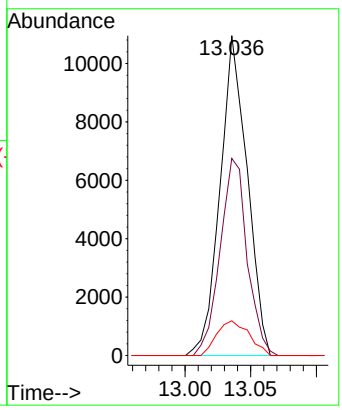
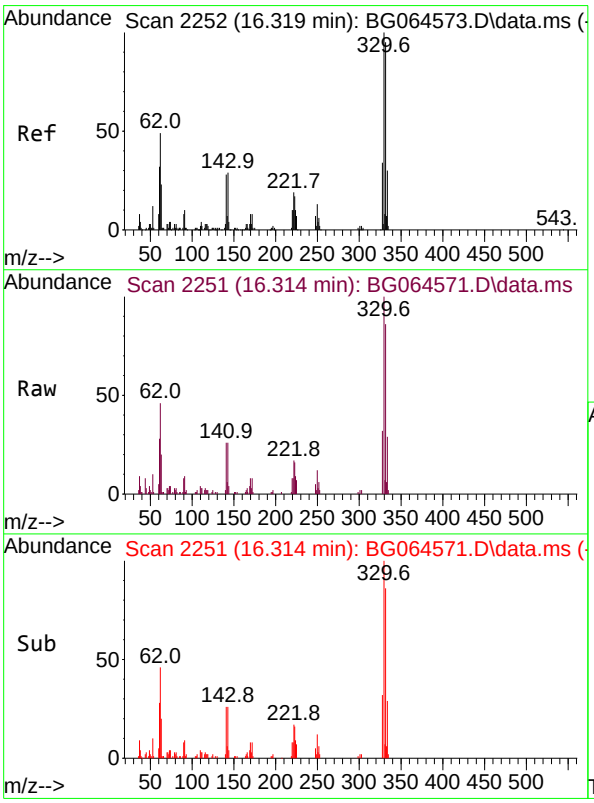
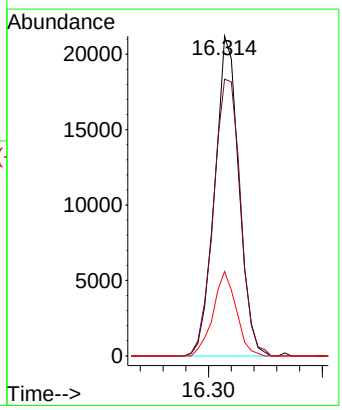


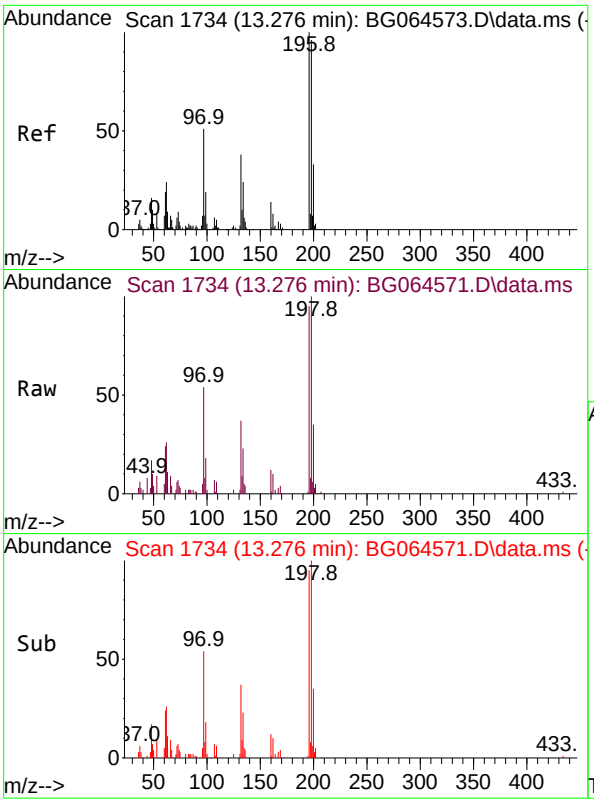


#42
2,4,6-Tribromophenol
Concen: 18.400 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:330 Resp: 31236

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	25.2	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 8.673 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:196 Resp: 19584

Ion	Ratio	Lower	Upper
196	100		
198	104.8	76.6	115.0
200	36.2	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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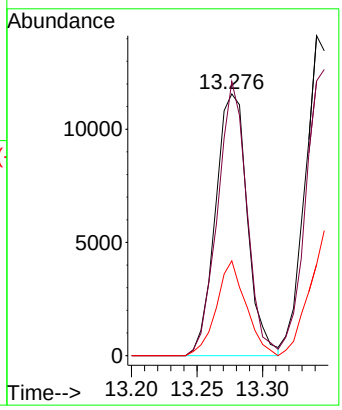
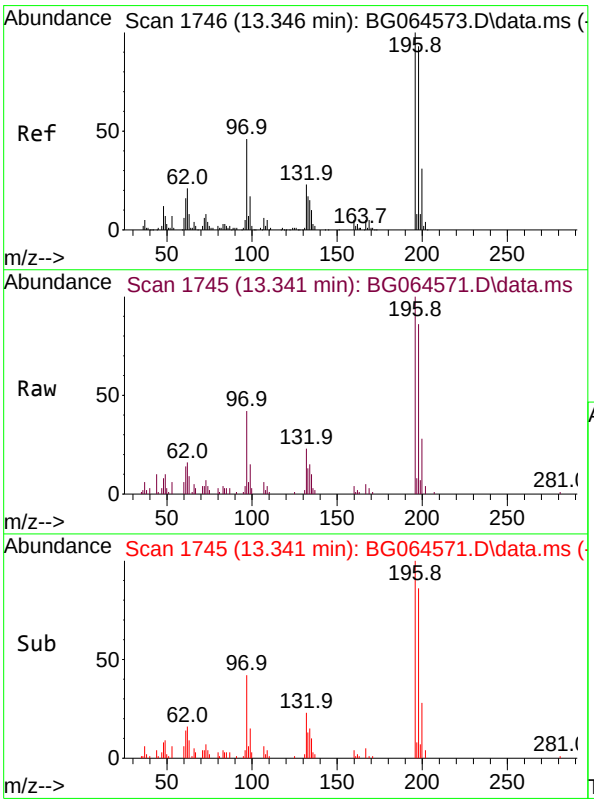
Supervised By :mohammad ahmed 11/05/2025

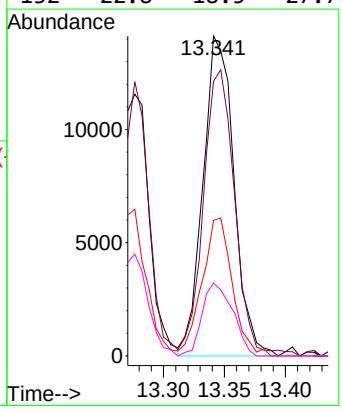


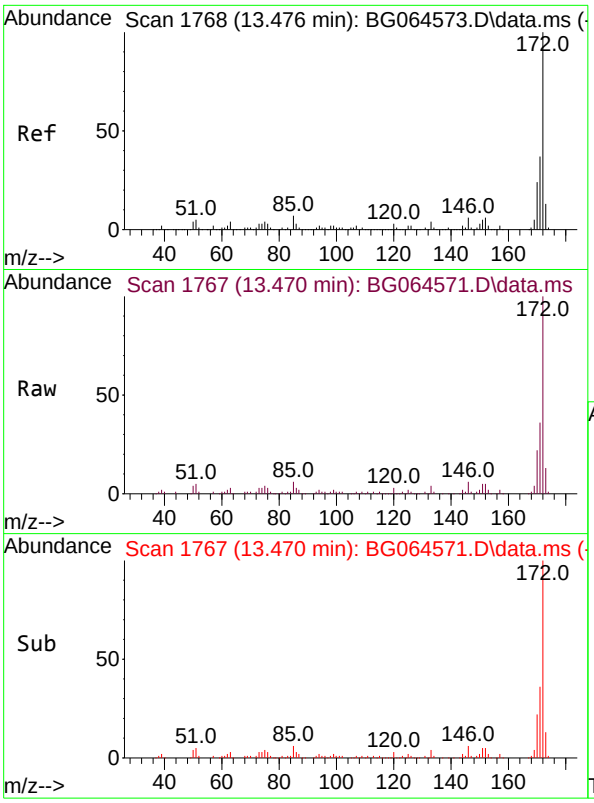


#44
2,4,5-Trichlorophenol
Concen: 9.584 ng
RT: 13.341 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:196 Resp: 24973

Ion	Ratio	Lower	Upper
196	100		
198	85.8	74.2	111.4
97	42.4	37.0	55.6
132	22.8	18.5	27.7





#45
2-Fluorobiphenyl
Concen: 21.050 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:172 Resp: 16334

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	22.2	19.1	28.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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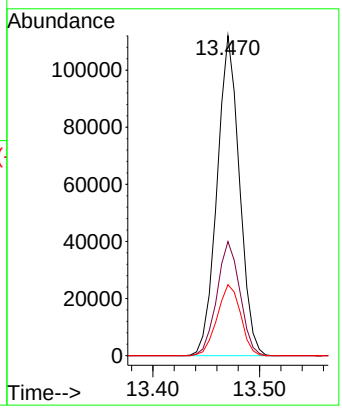
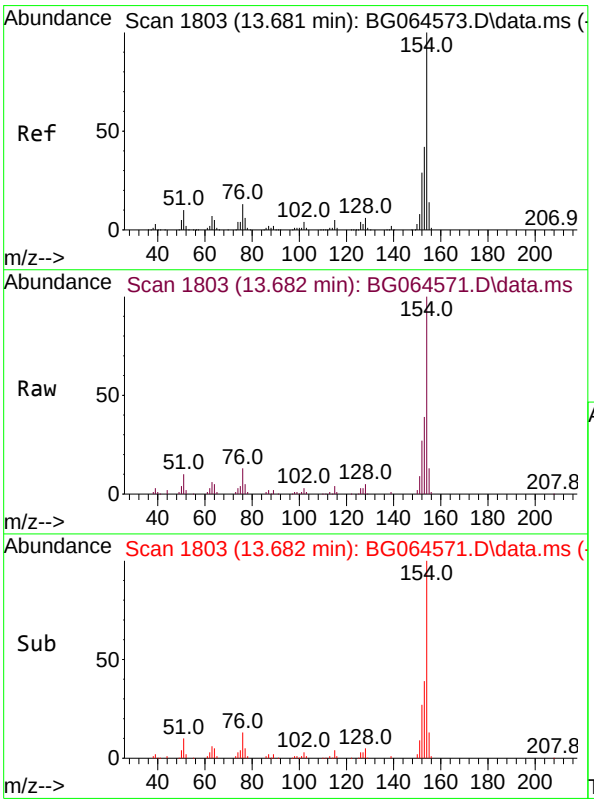
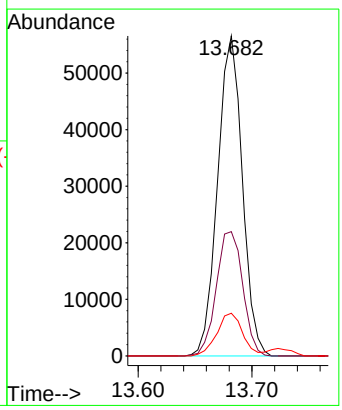


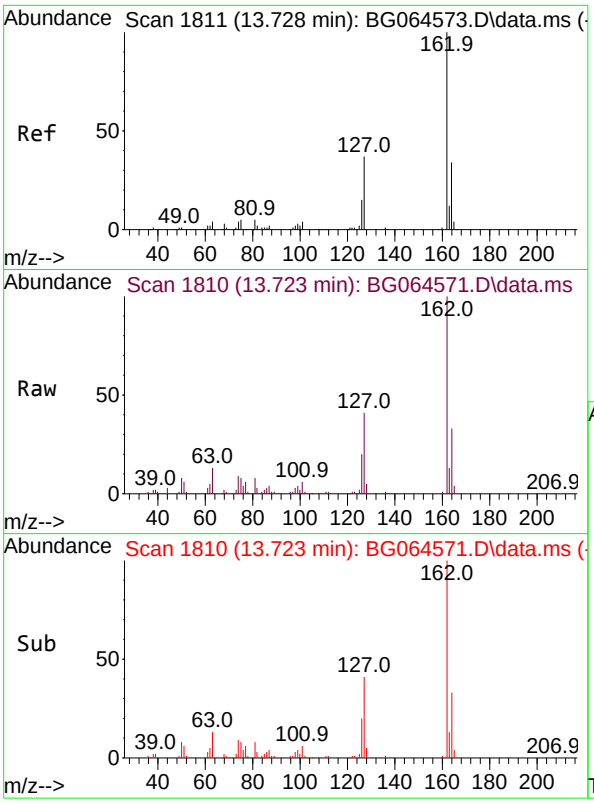


#46
1,1'-Biphenyl
Concen: 10.200 ng
RT: 13.682 min Scan# 1803
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:154 Resp: 85287

Ion	Ratio	Lower	Upper
154	100		
153	38.8	22.4	62.4
76	13.3	0.0	33.5





#47
2-Chloronaphthalene
Concen: 10.081 ng
RT: 13.723 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:162 Resp: 6363

Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.2	48.2
164	33.4	27.5	41.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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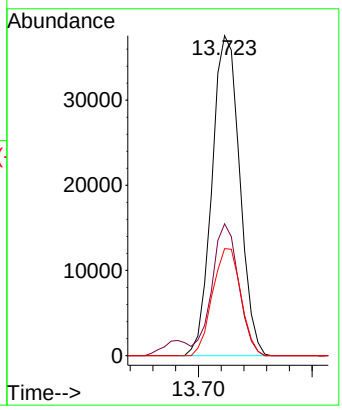
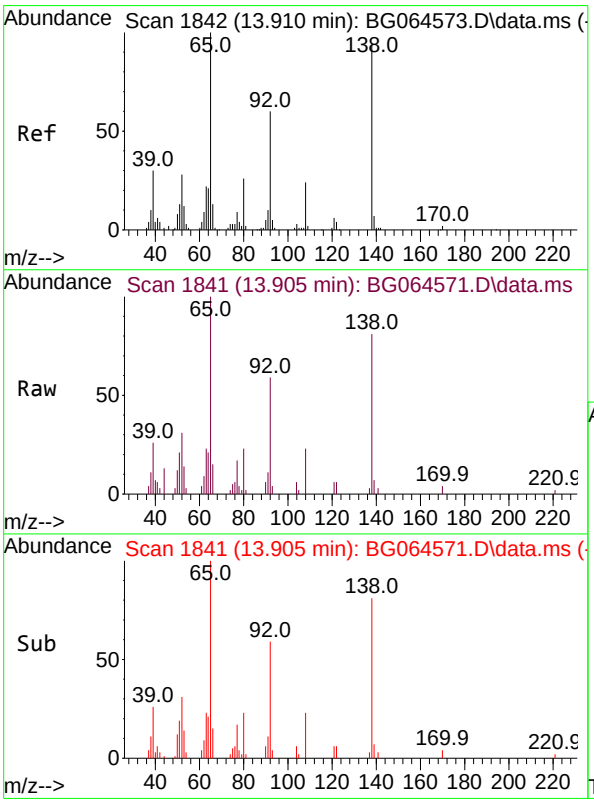
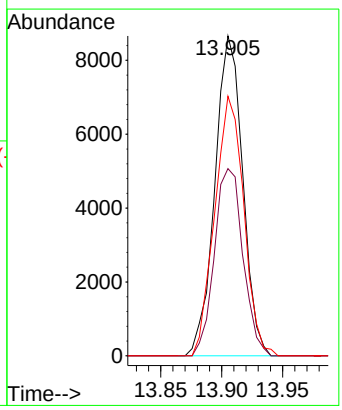


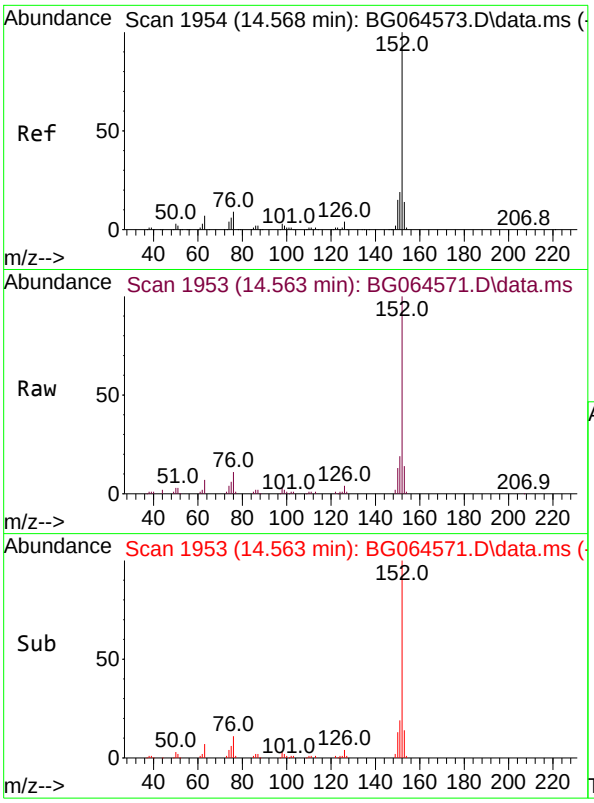


#48
2-Nitroaniline
Concen: 9.284 ng
RT: 13.905 min Scan# 1841
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 65 Resp: 13764

Ion	Ratio	Lower	Upper
65	100		
92	58.5	48.3	72.5
138	81.1	74.9	112.3





#49
Acenaphthylene
Concen: 10.198 ng
RT: 14.563 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:152 Resp: 10152

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	14.0	11.0	16.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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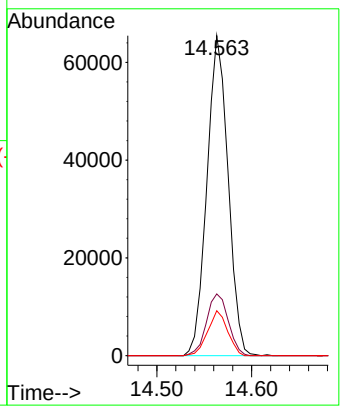
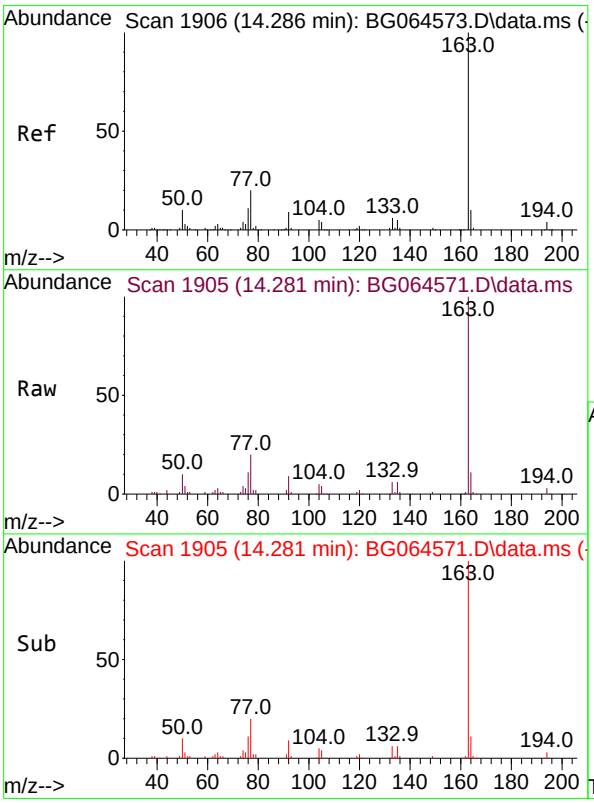
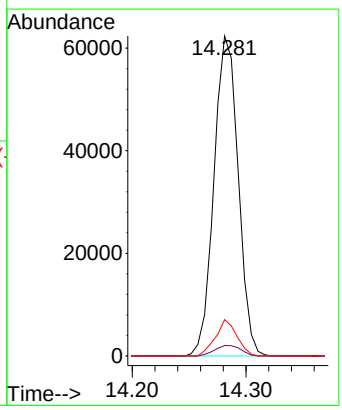


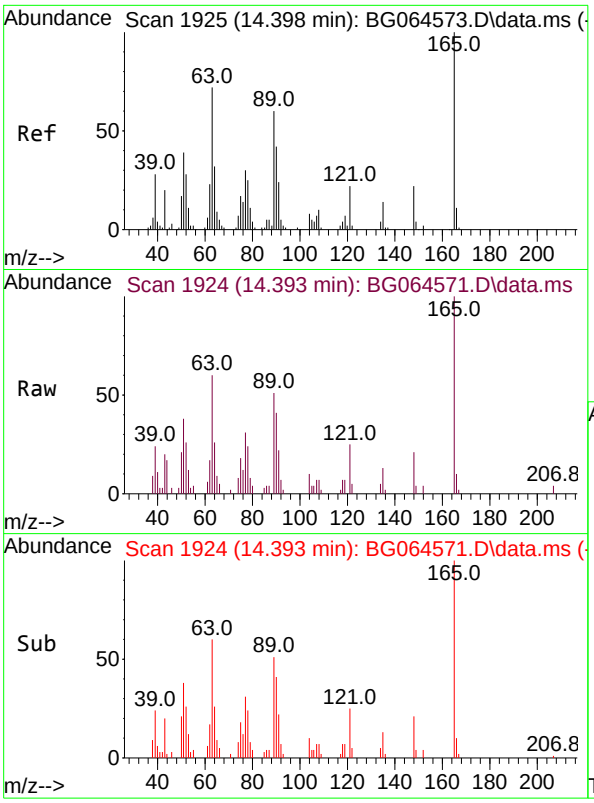


#50
Dimethylphthalate
Concen: 10.256 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:163 Resp: 92308

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	11.3	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 9.857 ng
RT: 14.393 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:165 Resp: 10601

Ion	Ratio	Lower	Upper
165	100		
63	60.2	57.4	86.0
89	50.8	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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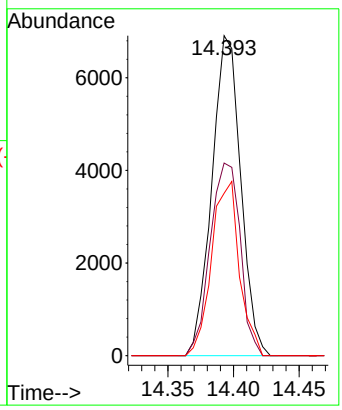
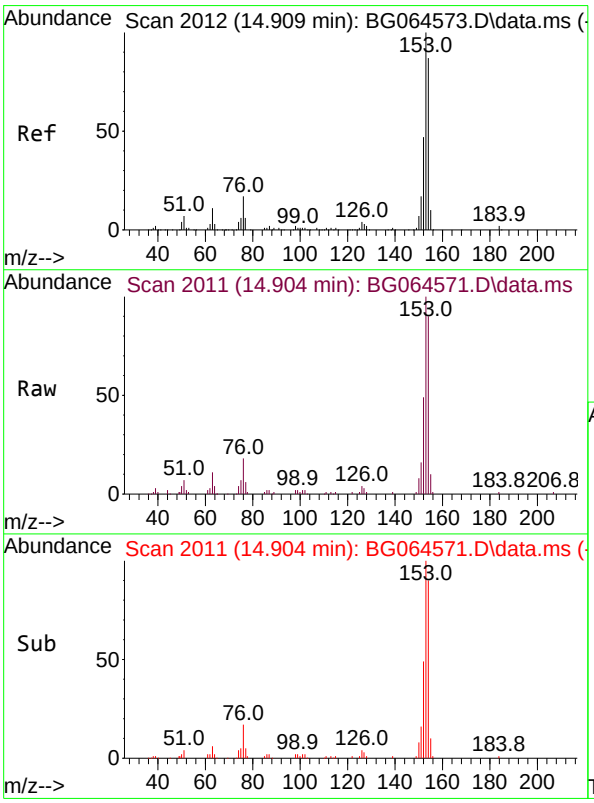
Supervised By :mohammad ahmed 11/05/2025

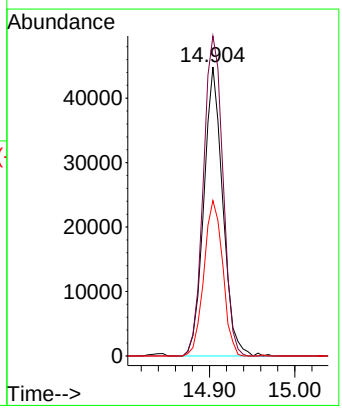


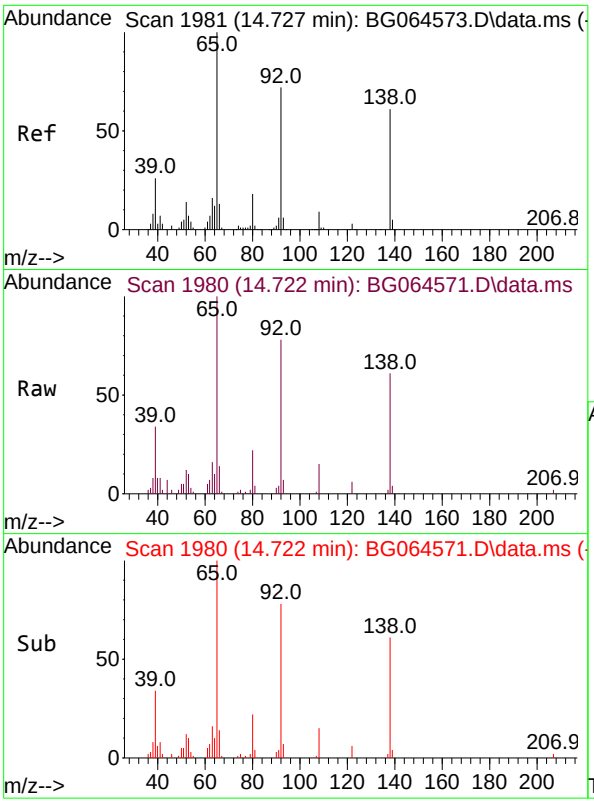


#52
Acenaphthene
Concen: 10.184 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:154 Resp: 69273

Ion	Ratio	Lower	Upper
154	100		
153	110.8	92.2	138.4
152	53.8	43.2	64.8





#53
3-Nitroaniline
Concen: 8.026 ng
RT: 14.722 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:138 Resp: 12414

Ion	Ratio	Lower	Upper
138	100		
108	24.4	11.4	17.0#
92	126.2	95.3	142.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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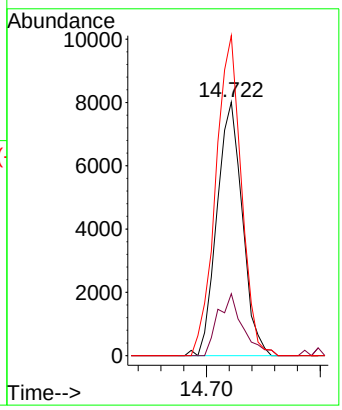
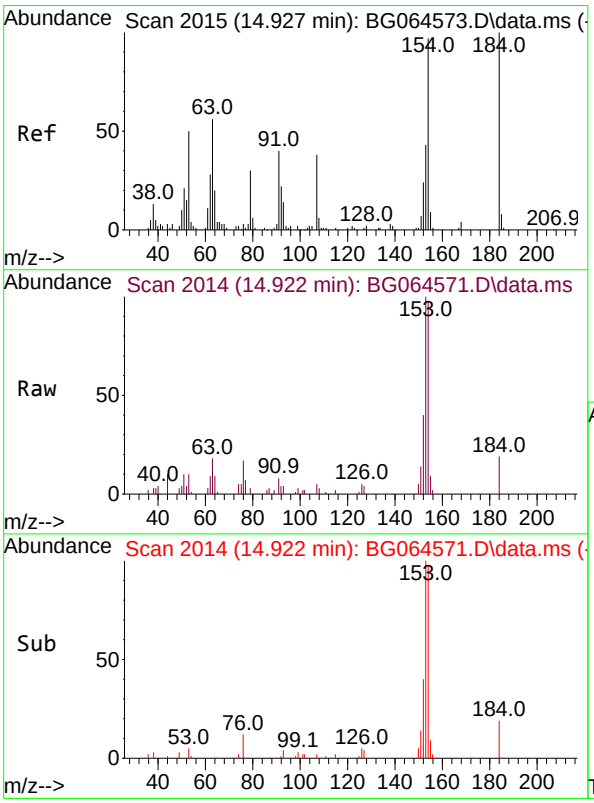
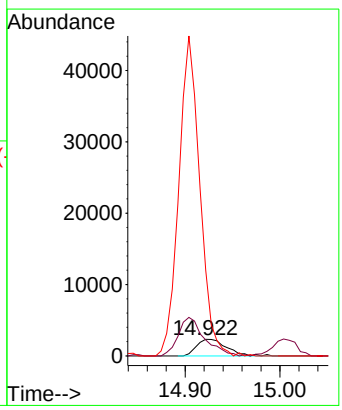


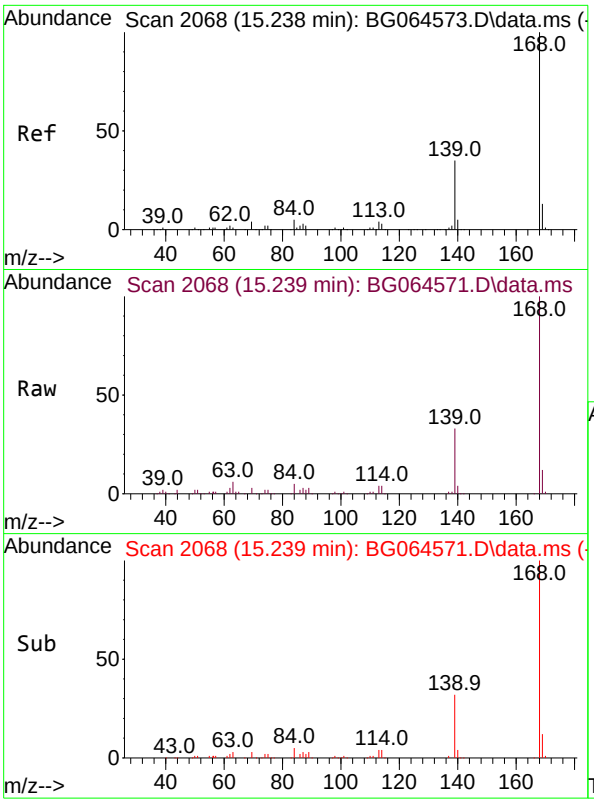


#54
2,4-Dinitrophenol
Concen: 10.760 ng
RT: 14.922 min Scan# 2014
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:184 Resp: 5082

Ion	Ratio	Lower	Upper
184	100		
63	95.9	56.6	85.0#
154	514.8	158.6	238.0#





#55
Dibenzofuran
Concen: 10.548 ng
RT: 15.239 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:168 Resp: 115990

Ion	Ratio	Lower	Upper
168	100		
139	32.6	27.8	41.8
169	12.4	10.3	15.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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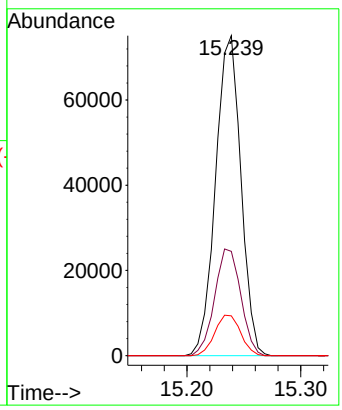
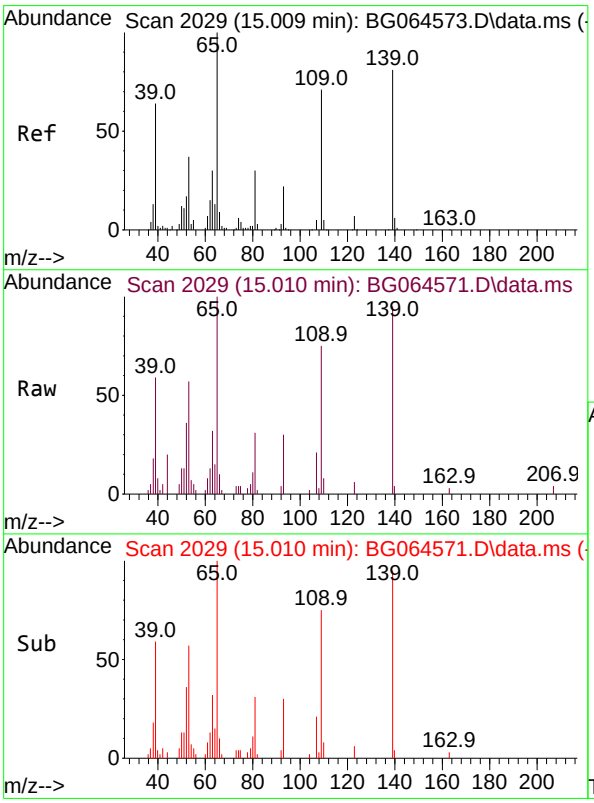
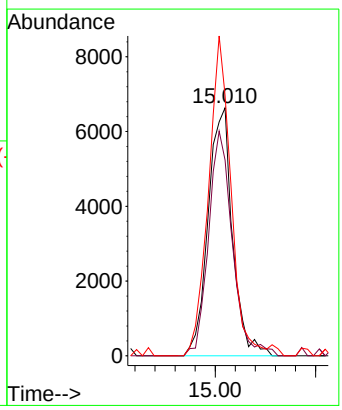


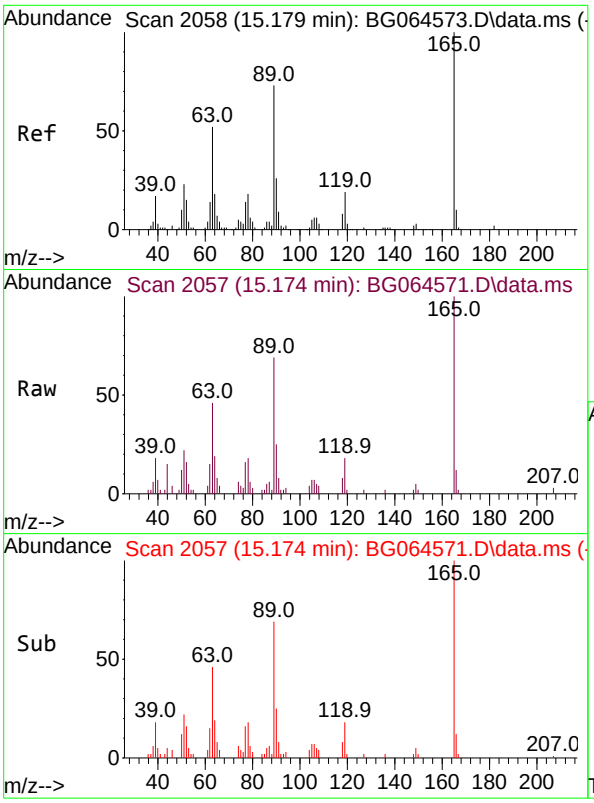


#56
4-Nitrophenol
Concen: 7.815 ng
RT: 15.010 min Scan# 2029
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:139 Resp: 11207

Ion	Ratio	Lower	Upper
139	100		
109	78.9	67.8	107.8
65	105.0	103.7	143.7





#57
2,4-Dinitrotoluene
Concen: 9.494 ng
RT: 15.174 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:165 Resp: 1579

Ion	Ratio	Lower	Upper
165	100		
63	45.9	41.8	62.8
89	68.9	58.1	87.1
182	0.0	1.4	2.0#

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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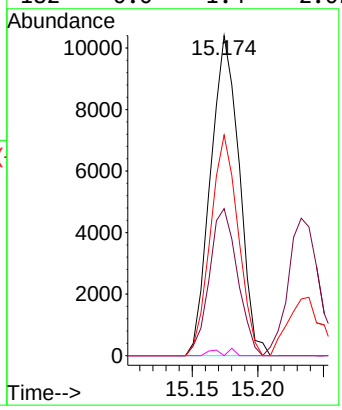
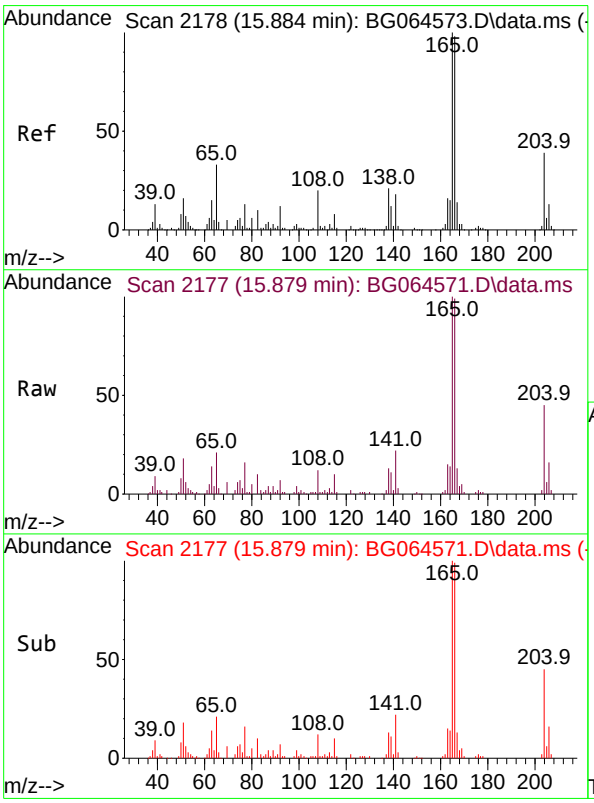
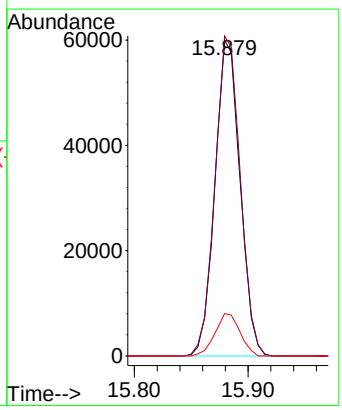


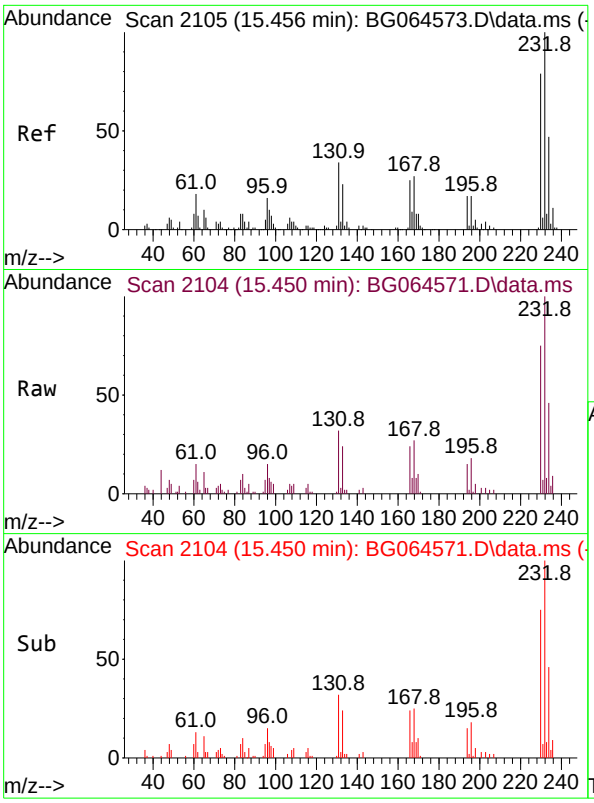


#58
Fluorene
Concen: 10.679 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:166 Resp: 91712

Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.5	122.3
167	13.4	11.4	17.0

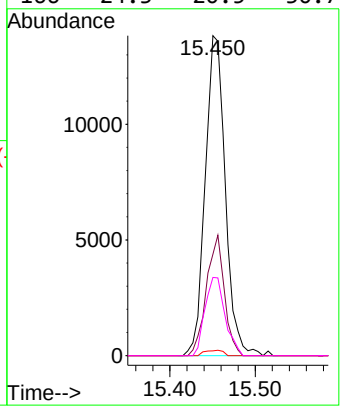




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.088 ng
RT: 15.450 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:232 Resp: 2264

Ion	Ratio	Lower	Upper
232	100		
131	33.5	26.7	40.1
130	1.5	1.6	2.4#
166	24.3	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
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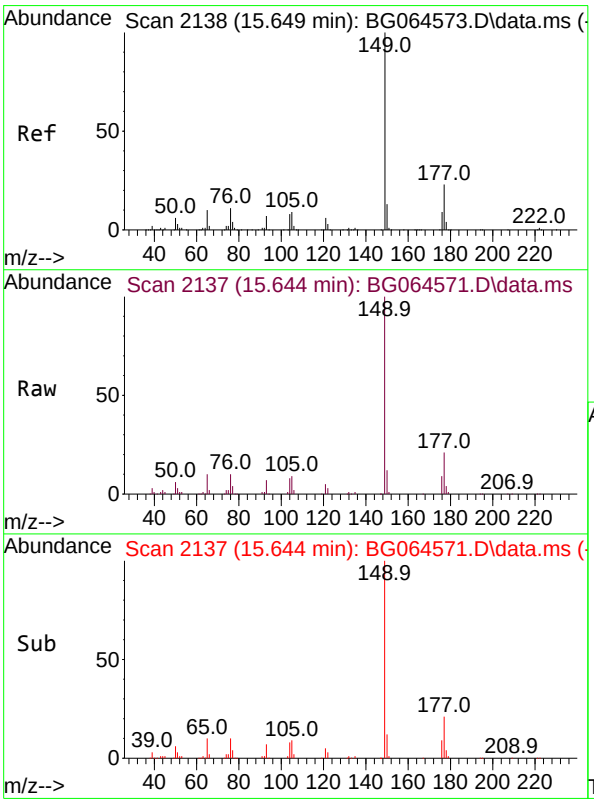
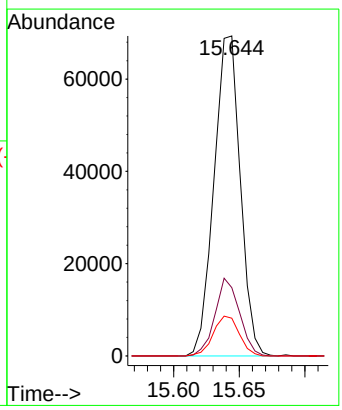
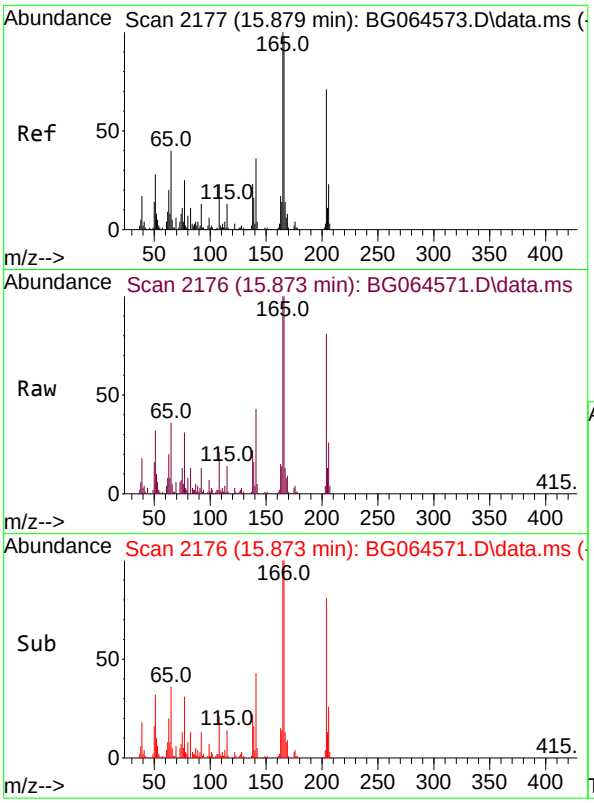


#60
Diethylphthalate
Concen: 10.525 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 96719

Ion	Ratio	Lower	Upper
149	100		
177	21.3	18.0	27.0
150	11.8	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 10.544 ng
RT: 15.873 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:204 Resp: 5081

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.6	38.4
141	53.7	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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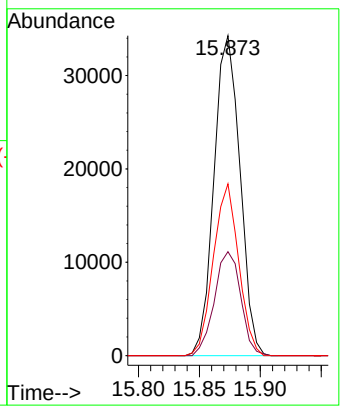
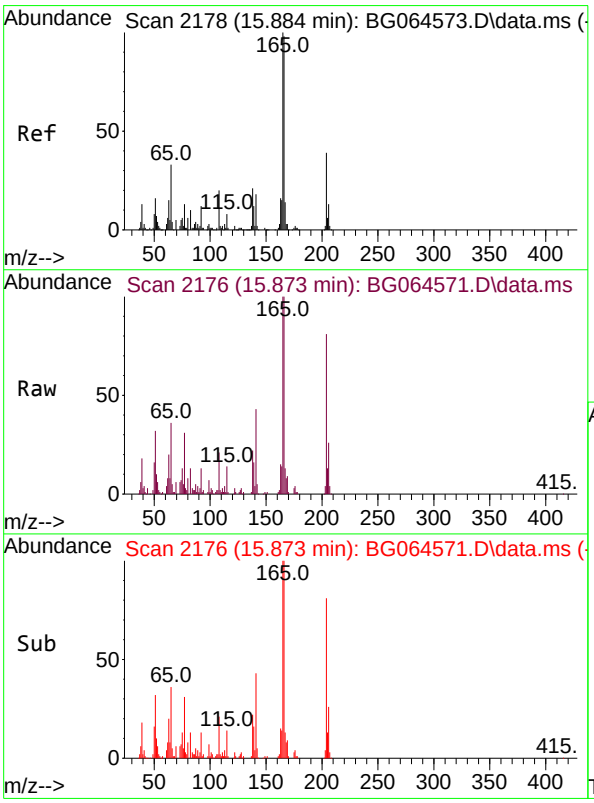
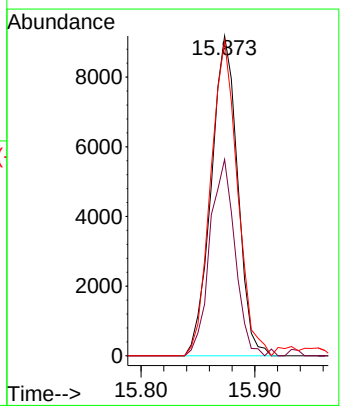


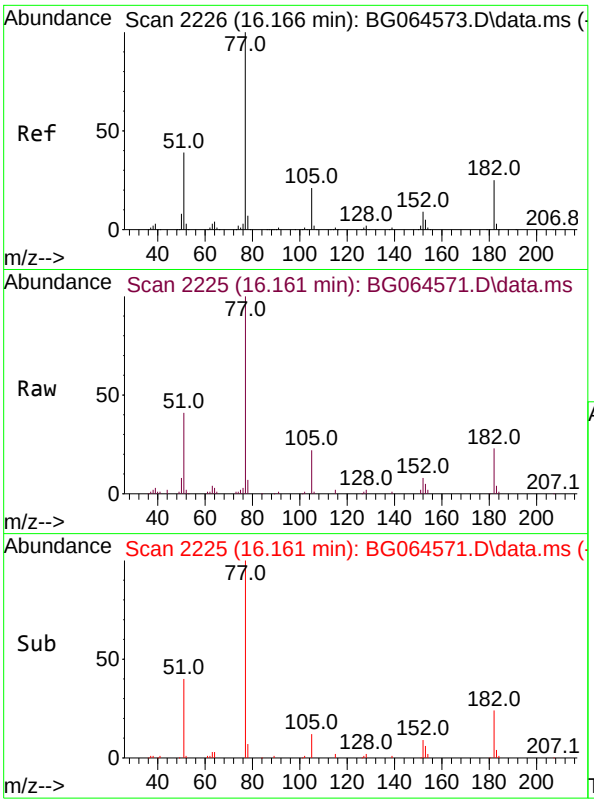


#62
4-Nitroaniline
Concen: 8.612 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:138 Resp: 14819

Ion	Ratio	Lower	Upper
138	100		
92	61.4	36.1	76.1
108	98.5	75.6	115.6

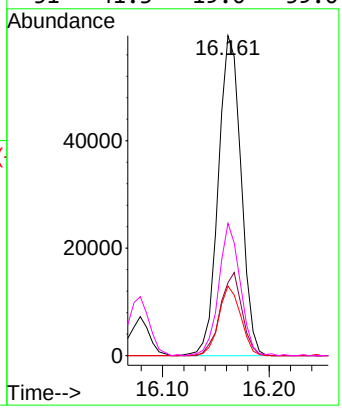




#63
Azobenzene
Concen: 10.489 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 8844

Ion	Ratio	Lower	Upper
77	100		
182	22.8	4.9	44.9
105	21.7	1.3	41.3
51	41.3	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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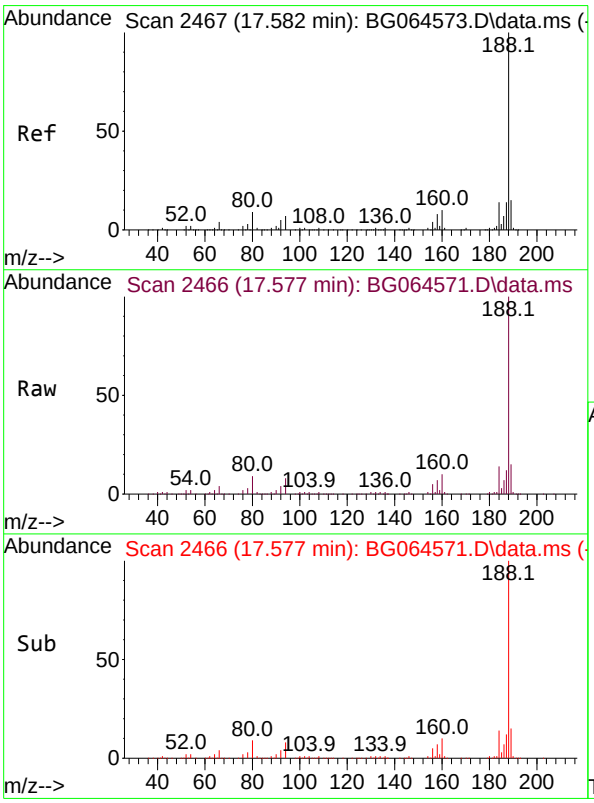
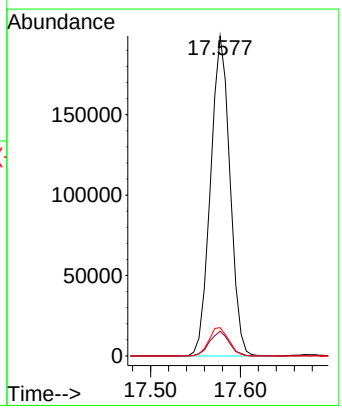
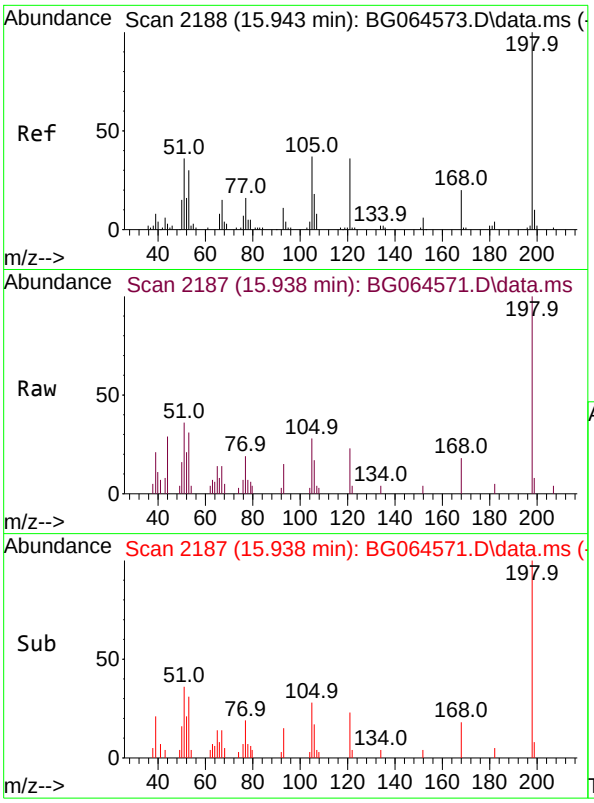


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:188 Resp: 300549

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.7	8.5
80	8.8	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 10.919 ng
RT: 15.938 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 819

Ion	Ratio	Lower	Upper
198	100		
51	36.4	24.7	64.7
105	28.3	18.0	58.0

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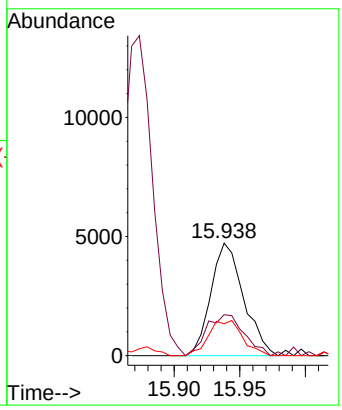
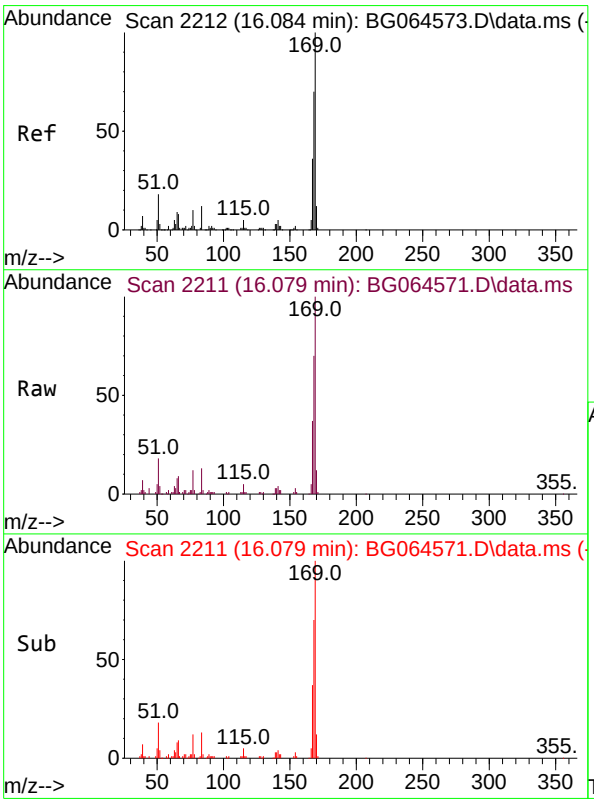
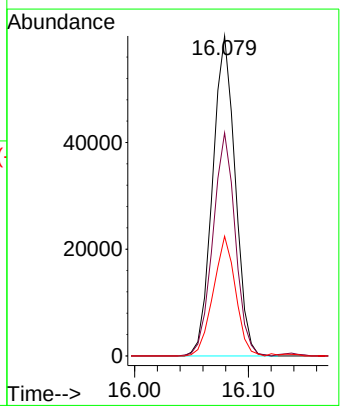


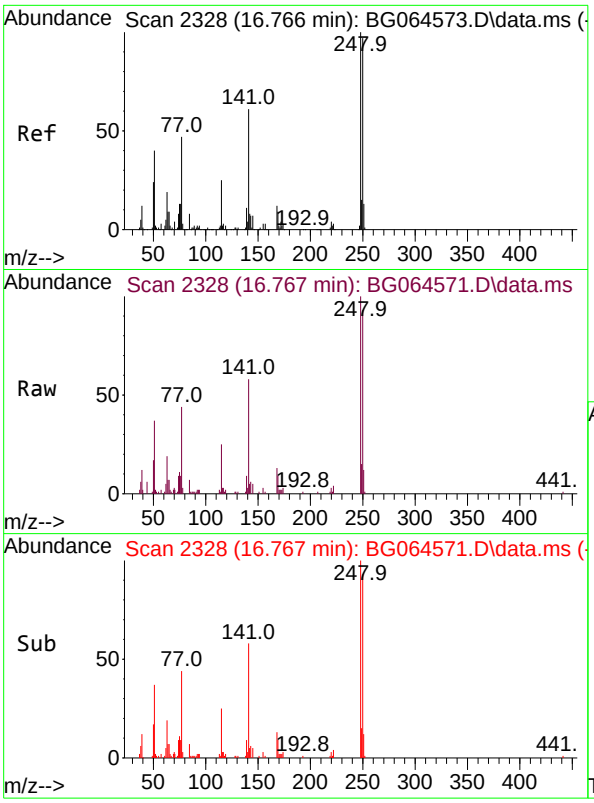


#66
n-Nitrosodiphenylamine
Concen: 10.197 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:169 Resp: 82787

Ion	Ratio	Lower	Upper
169	100		
168	69.7	56.3	84.5
167	37.4	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 9.949 ng
RT: 16.767 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:248 Resp: 3543

Ion	Ratio	Lower	Upper
248	100		
250	93.0	77.7	116.5
141	58.0	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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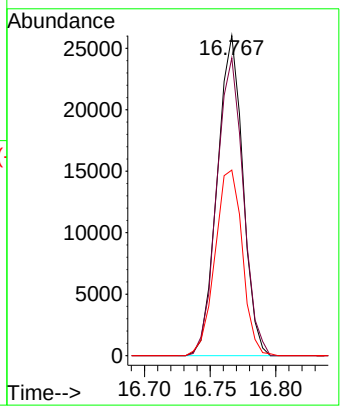
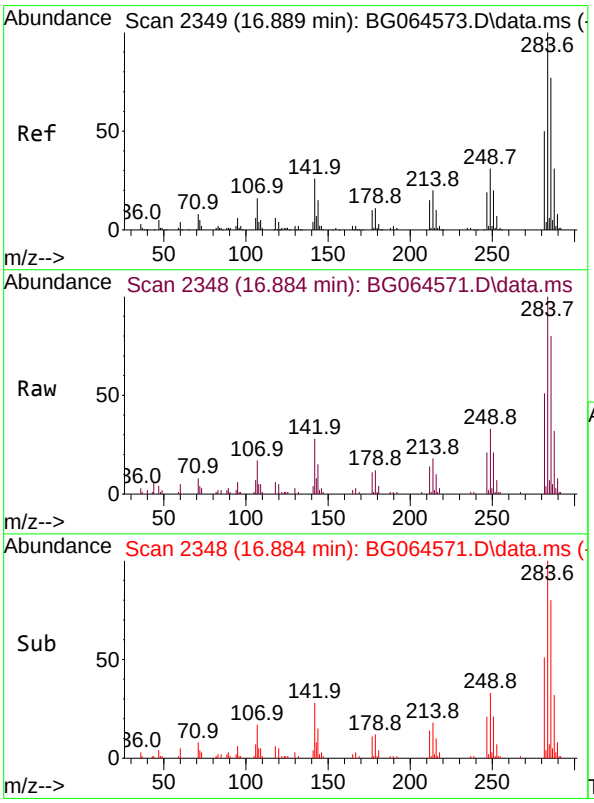
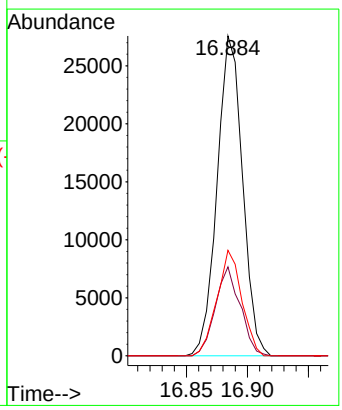


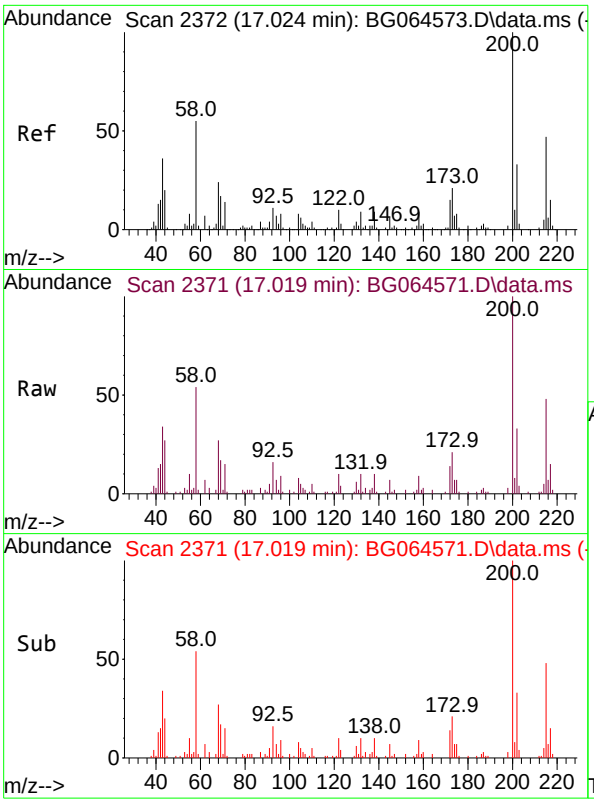


#68
Hexachlorobenzene
Concen: 9.838 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:284 Resp: 39975

Ion	Ratio	Lower	Upper
284	100		
142	27.8	21.0	31.6
249	35.9	24.9	37.3





#69
Atrazine
Concen: 9.785 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:200 Resp: 3418

Ion	Ratio	Lower	Upper
200	100		
173	20.7	0.9	40.9
215	47.7	27.0	67.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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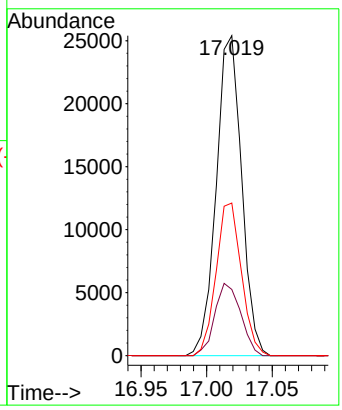
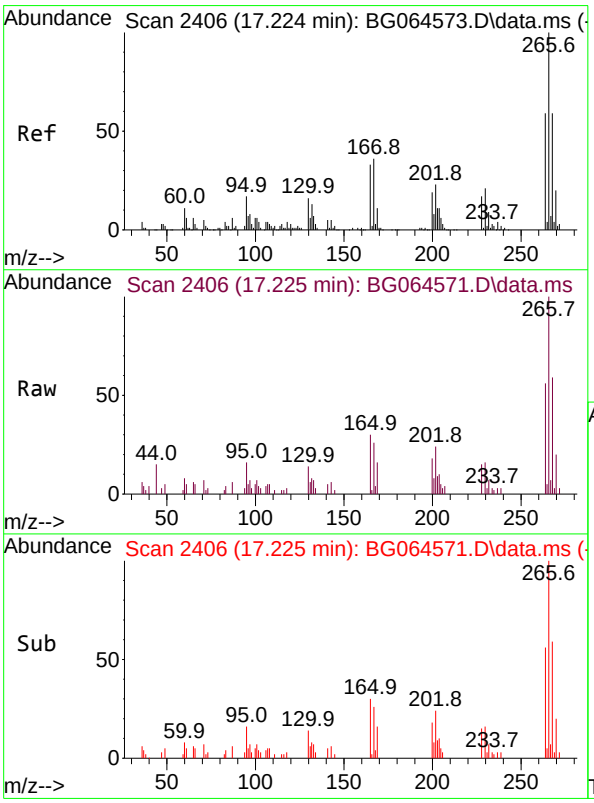
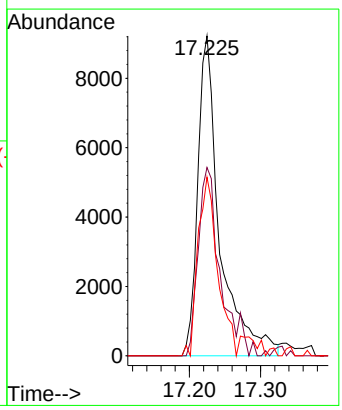


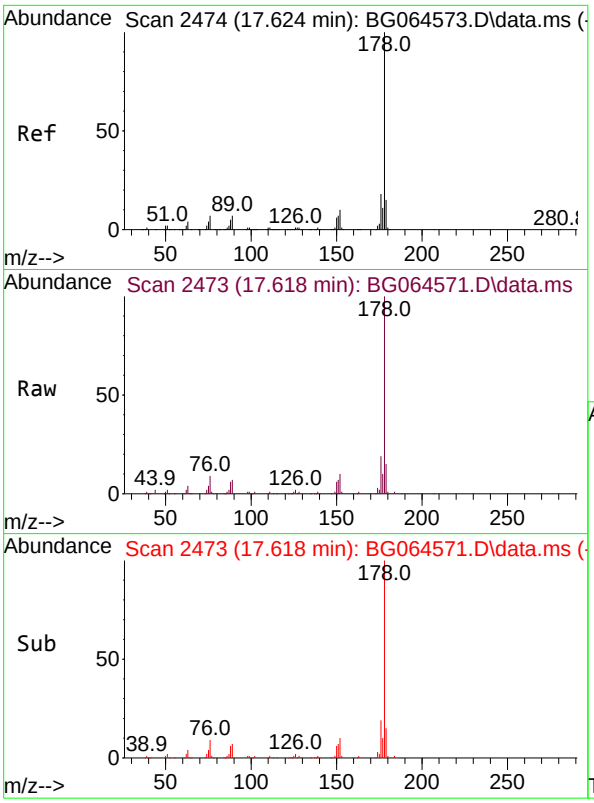


#70
Pentachlorophenol
Concen: 7.838 ng
RT: 17.225 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:266 Resp: 19859

Ion	Ratio	Lower	Upper
266	100		
268	58.9	50.3	75.5
264	61.2	47.3	70.9





#71
Phenanthrene
Concen: 10.361 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:178 Resp: 170294

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.4	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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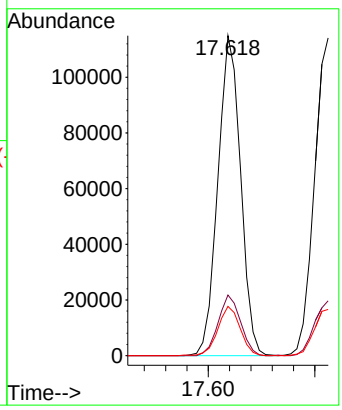
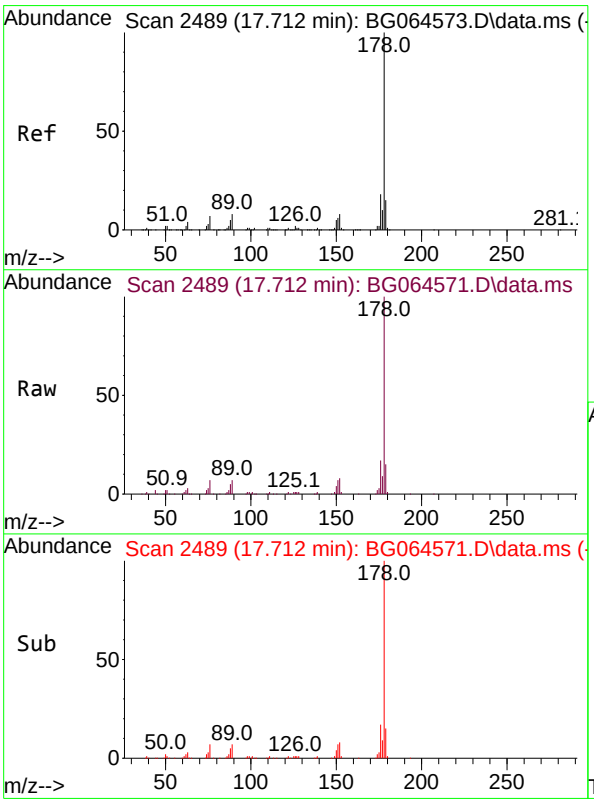
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

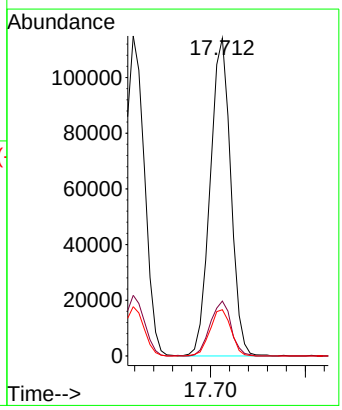


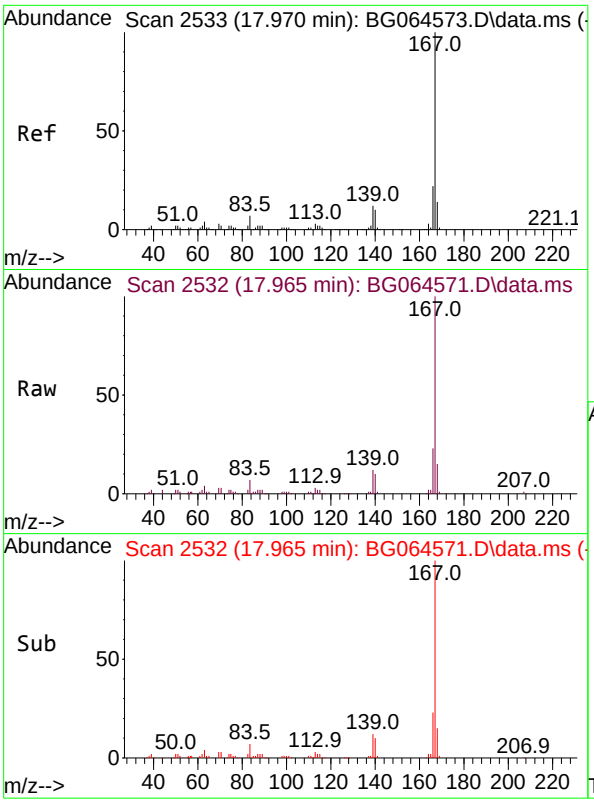


#72
Anthracene
Concen: 10.279 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:178 Resp: 171860

Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.4	21.6
179	14.5	12.4	18.6





#73
Carbazole
Concen: 10.575 ng
RT: 17.965 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:167 Resp: 15590

Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.9	26.9
139	11.8	9.7	14.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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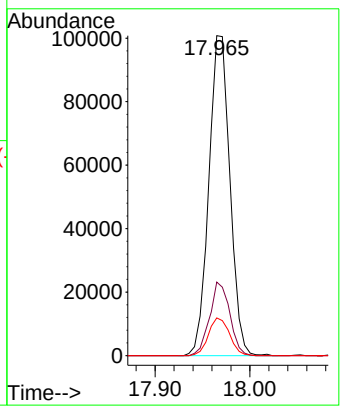
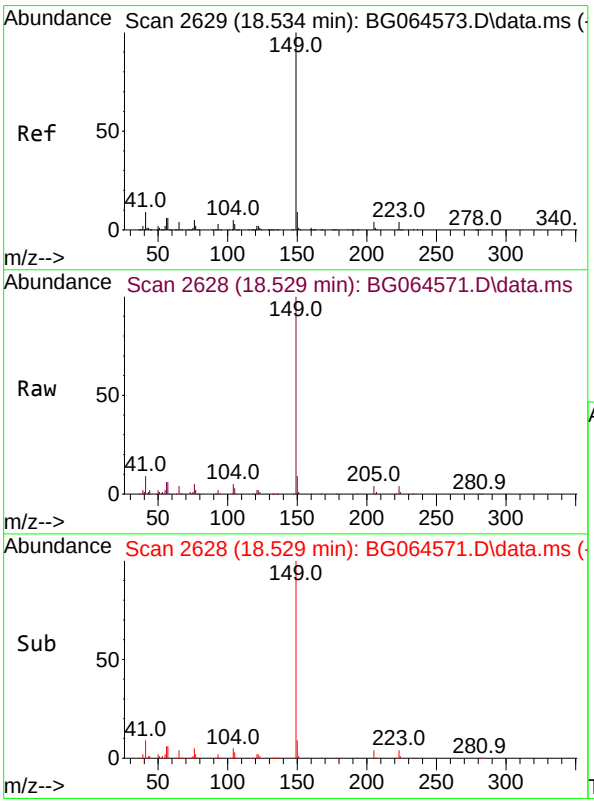
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

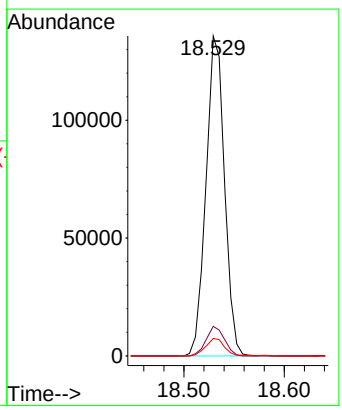


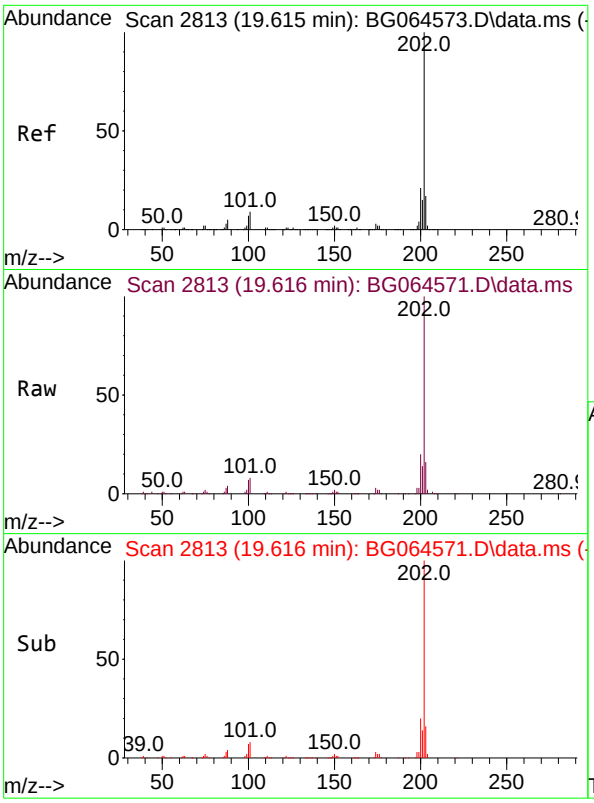


#74
Di-n-butylphthalate
Concen: 10.189 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 173716

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	5.5	4.1	6.1





#75
Fluoranthene
Concen: 10.677 ng
RT: 19.616 min Scan# 28
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:202 Resp: 219838

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.7
203	15.8	0.0	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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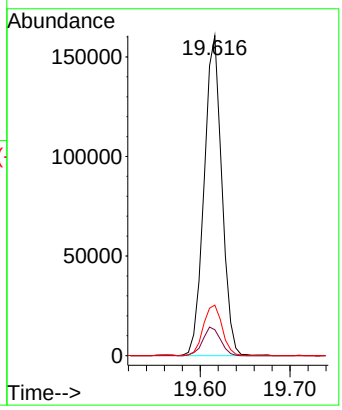
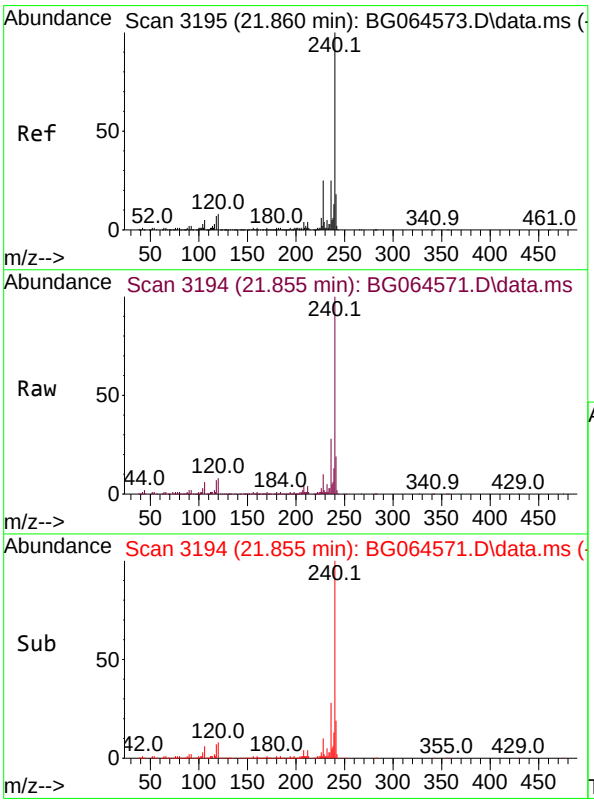
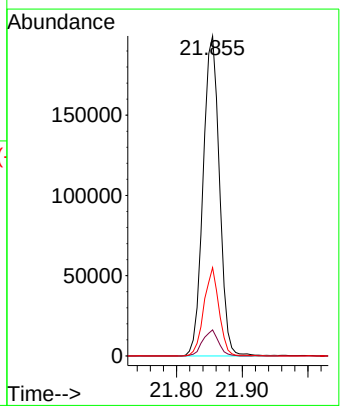


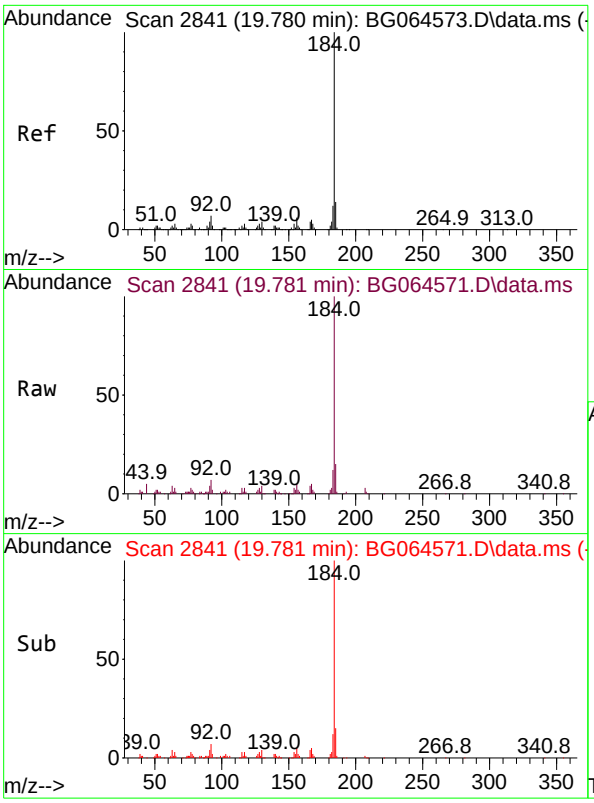


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3194
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:240 Resp: 343958

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	27.6	20.2	30.2





#77
Benzidine
Concen: 8.750 ng
RT: 19.781 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:184 Resp: 6742

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	12.3	9.4	14.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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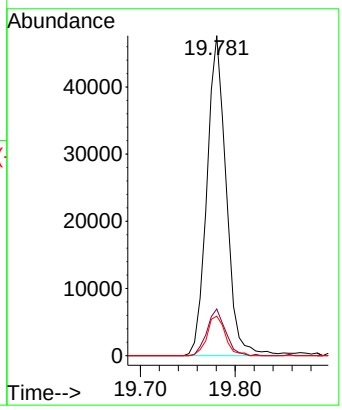
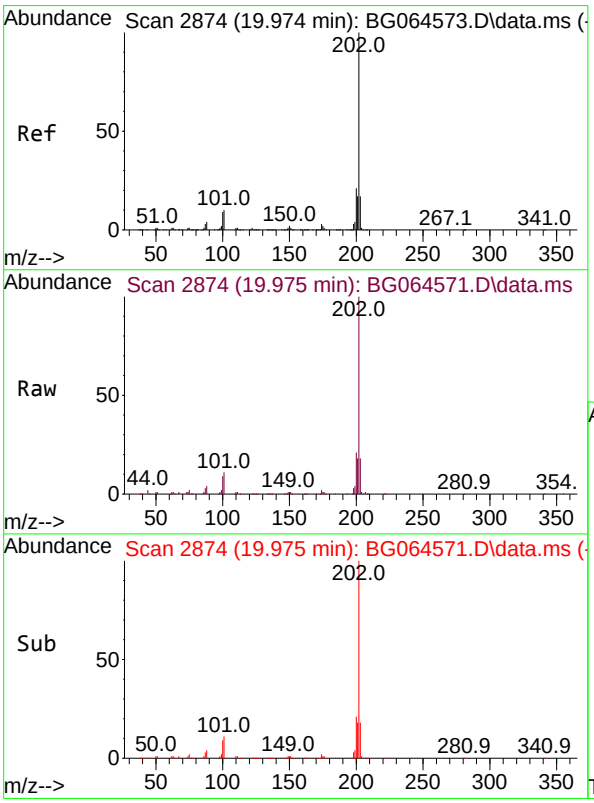
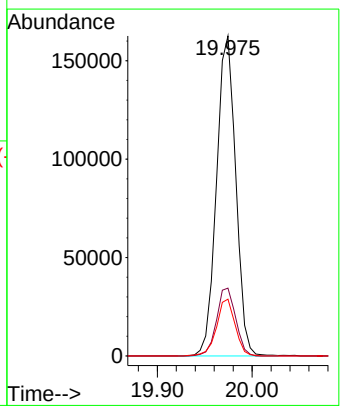


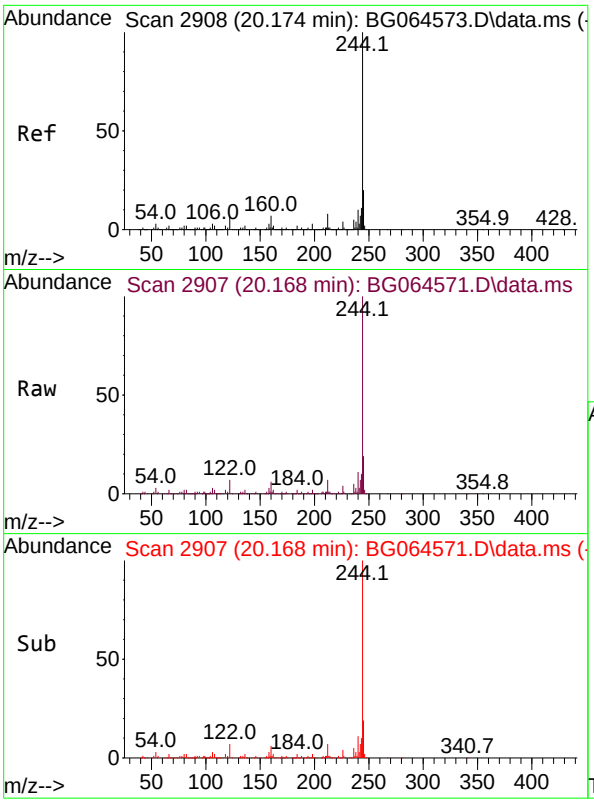


#78
Pyrene
Concen: 10.186 ng
RT: 19.975 min Scan# 2874
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:202 Resp: 228905

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	13.8	20.6





#79
Terphenyl-d14
Concen: 21.129 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:244 Resp: 385094

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	7.2	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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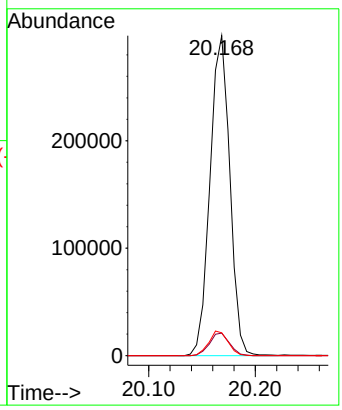
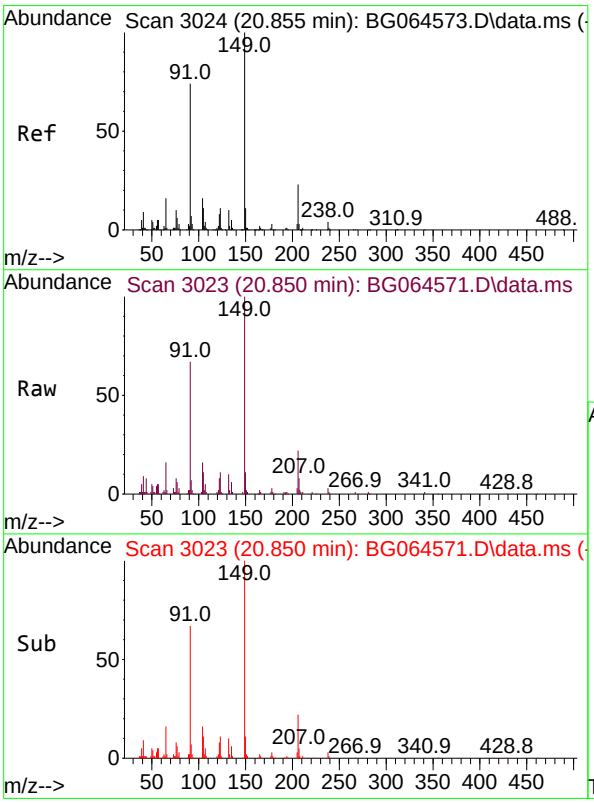
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

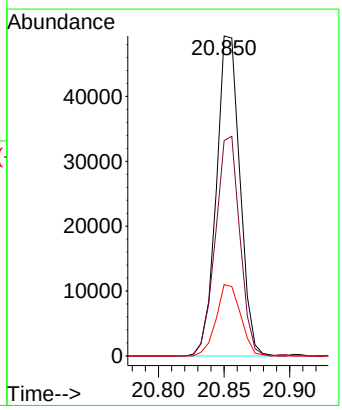


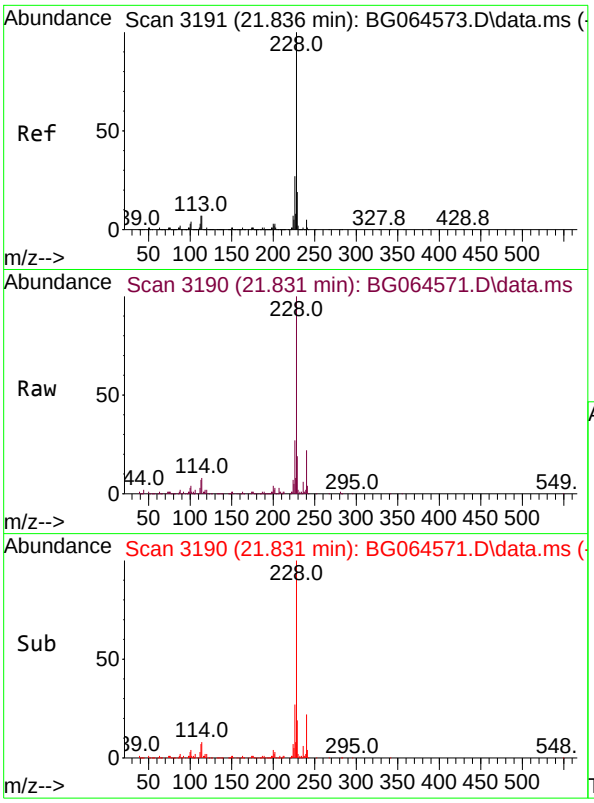


#80
Butylbenzylphthalate
Concen: 9.080 ng
RT: 20.850 min Scan# 3023
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 61669

Ion	Ratio	Lower	Upper
149	100		
91	67.3	59.2	88.8
206	22.3	18.1	27.1





#81
Benzo(a)anthracene
Concen: 10.219 ng
RT: 21.831 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:228 Resp: 23305

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	18.6	15.6	23.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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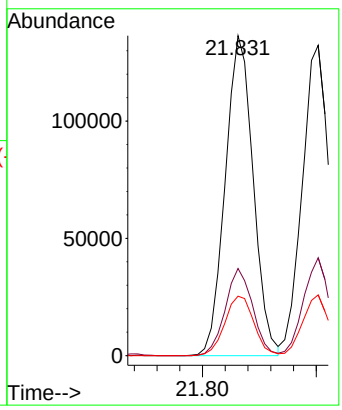
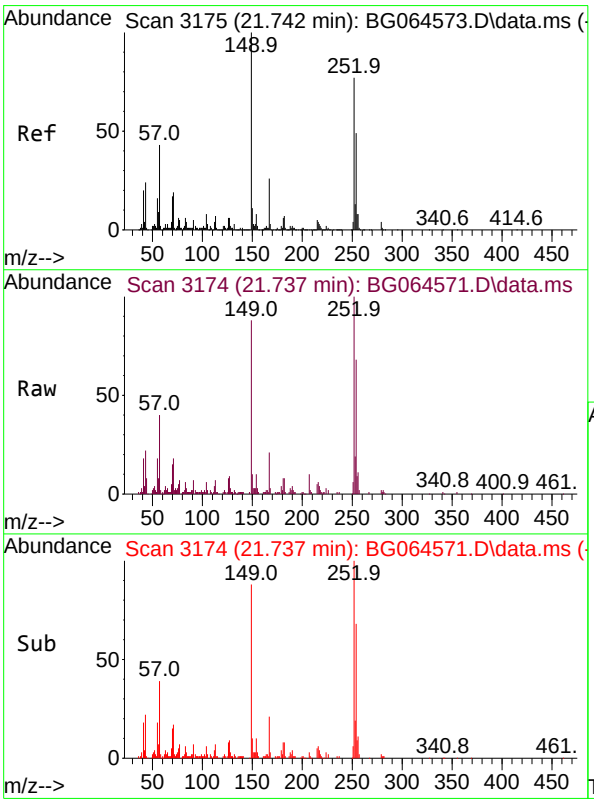
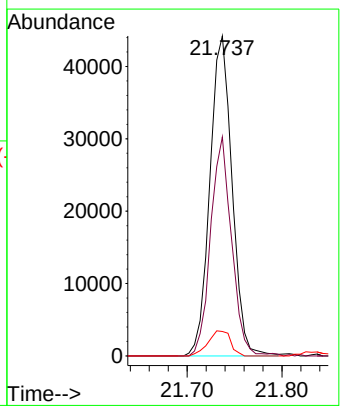


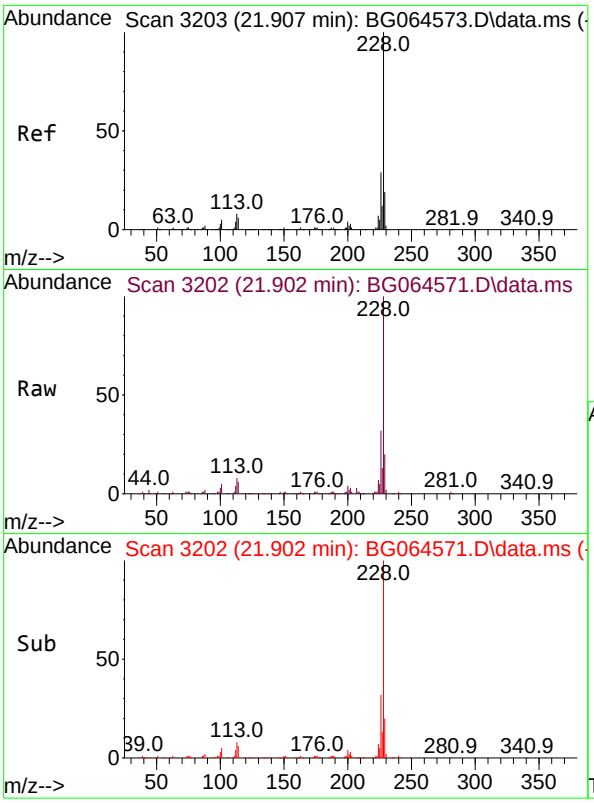


#82
3,3'-Dichlorobenzidine
Concen: 9.448 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 71951

Ion	Ratio	Lower	Upper
252	100		
254	68.4	50.8	76.2
126	7.6	5.8	8.6





#83
Chrysene
Concen: 10.231 ng
RT: 21.902 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:228 Resp: 222018

Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.3	34.9
229	19.6	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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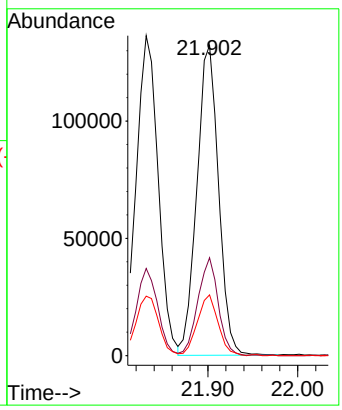
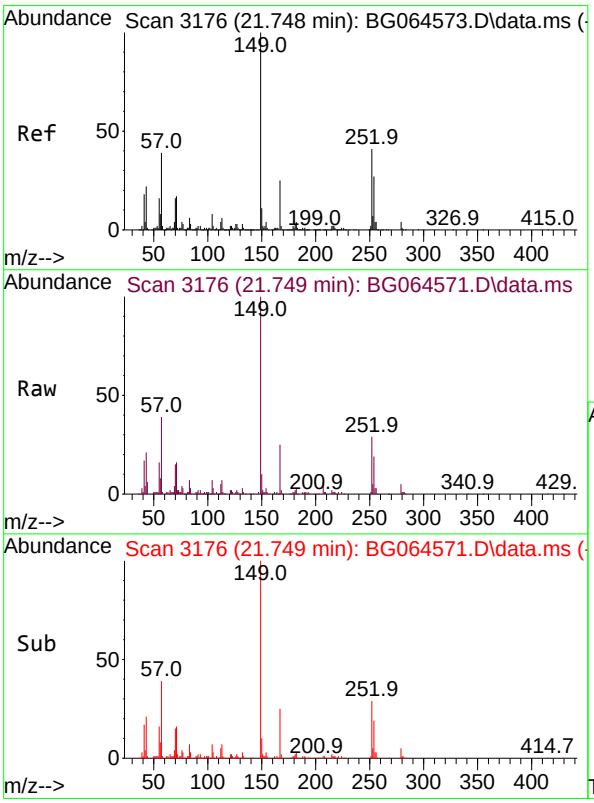
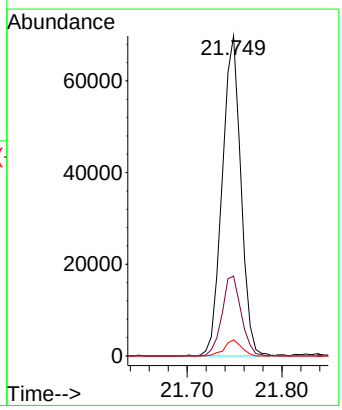


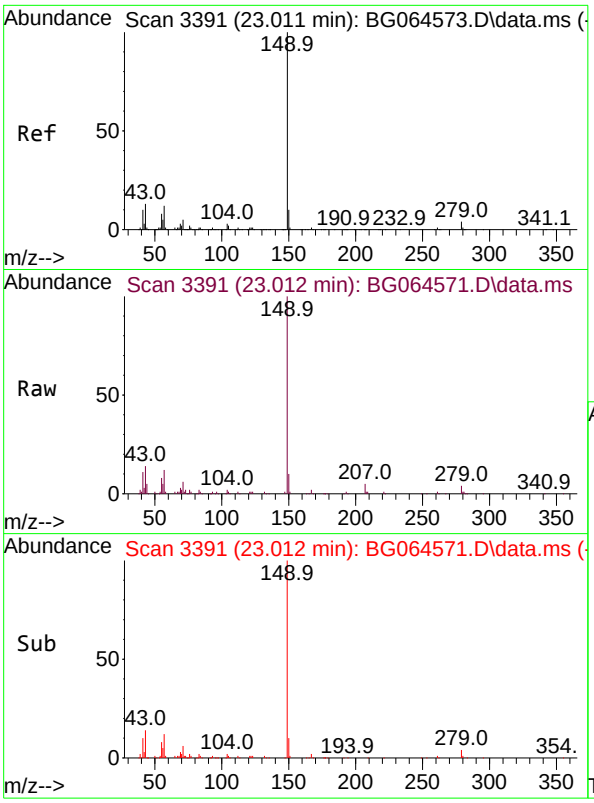


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.410 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 95500

Ion	Ratio	Lower	Upper
149	100		
167	24.9	20.0	30.0
279	5.0	3.1	4.7#





#85
Di-n-octyl phthalate
Concen: 8.759 ng
RT: 23.012 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 14987

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.9	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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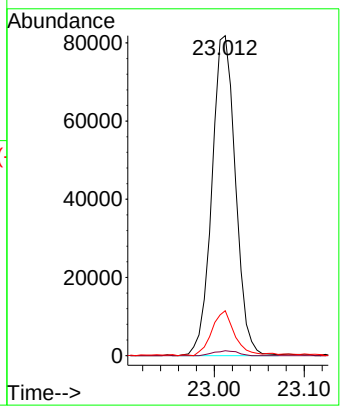
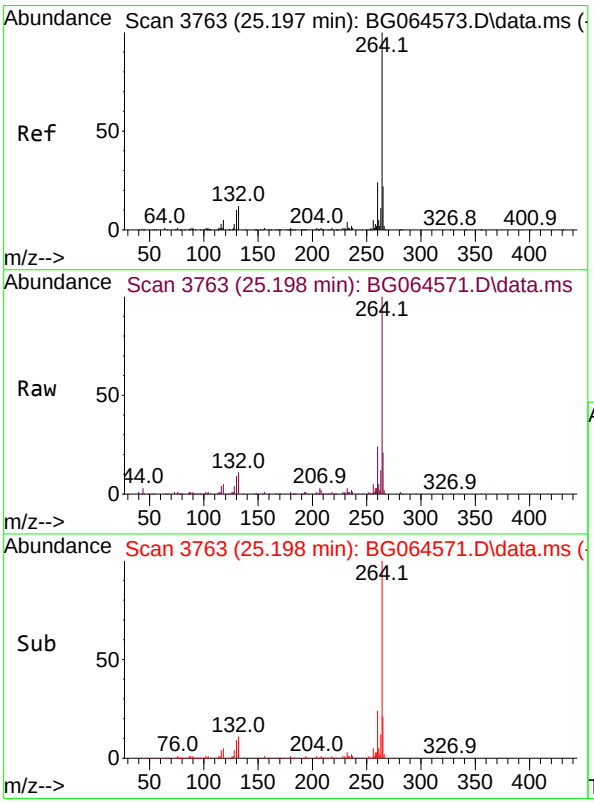
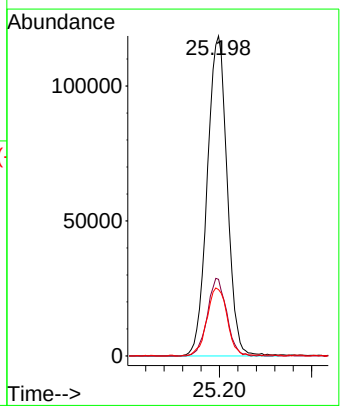


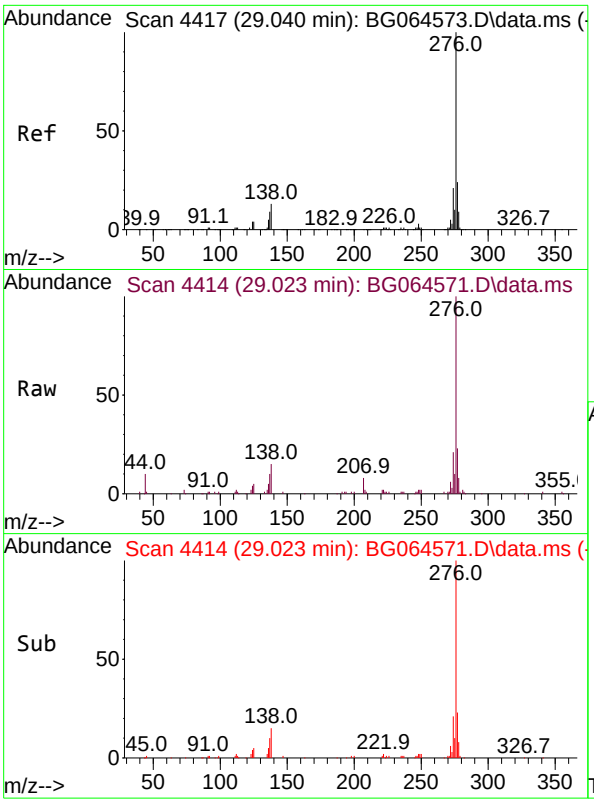


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:264 Resp: 354939

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	20.7	17.6	26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.132 ng
RT: 29.023 min Scan# 44
Delta R.T. -0.017 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:276 Resp: 26454

Ion	Ratio	Lower	Upper
276	100		
138	11.8	10.8	16.2
277	20.9	20.1	30.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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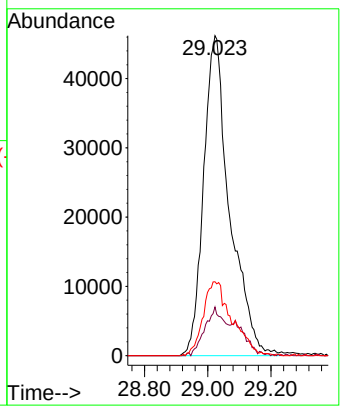
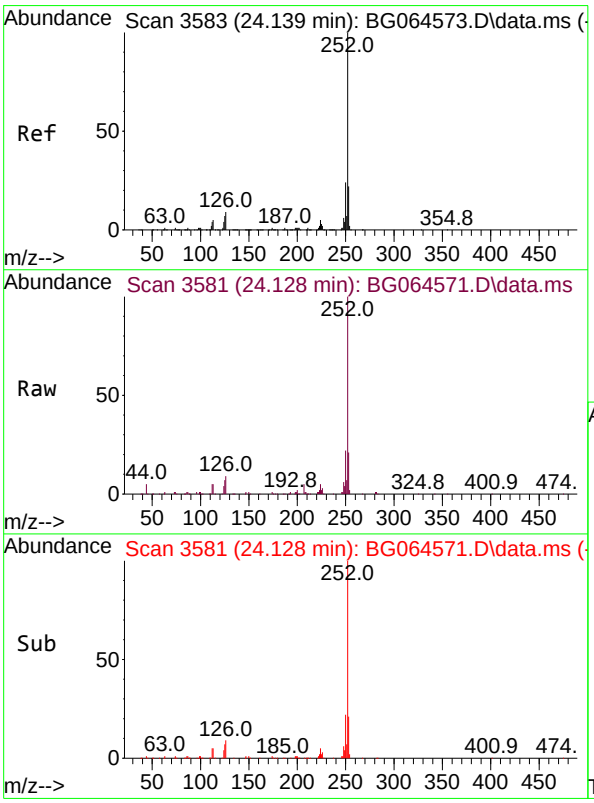
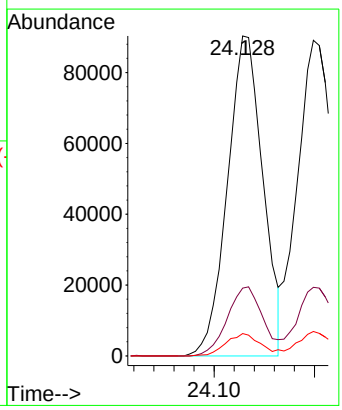


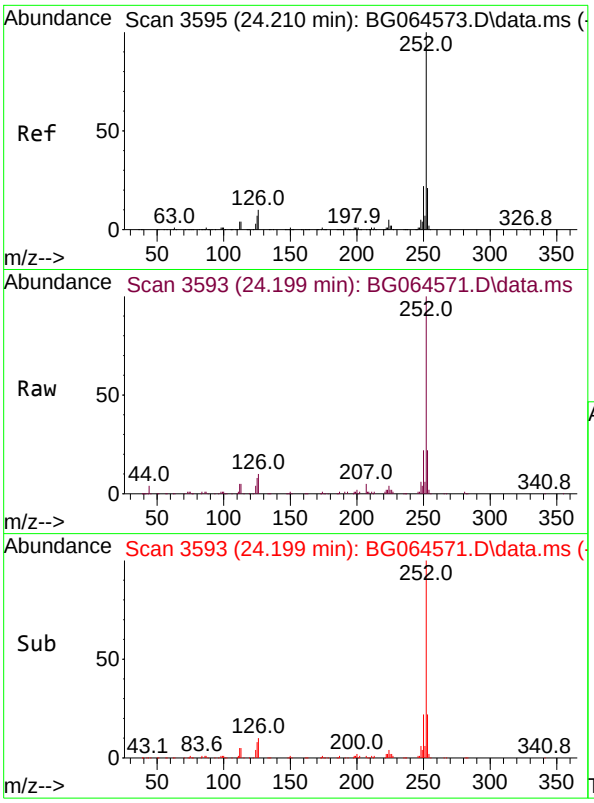


#88
Benzo(b)fluoranthene
Concen: 10.163 ng
RT: 24.128 min Scan# 3581
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 221197

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	7.0	5.6	8.4





#89
Benzo(k)fluoranthene
Concen: 10.270 ng
RT: 24.199 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 22367

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	7.7	5.4	8.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
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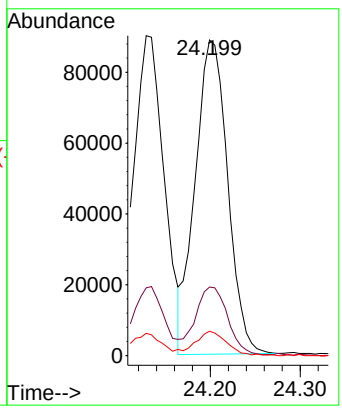
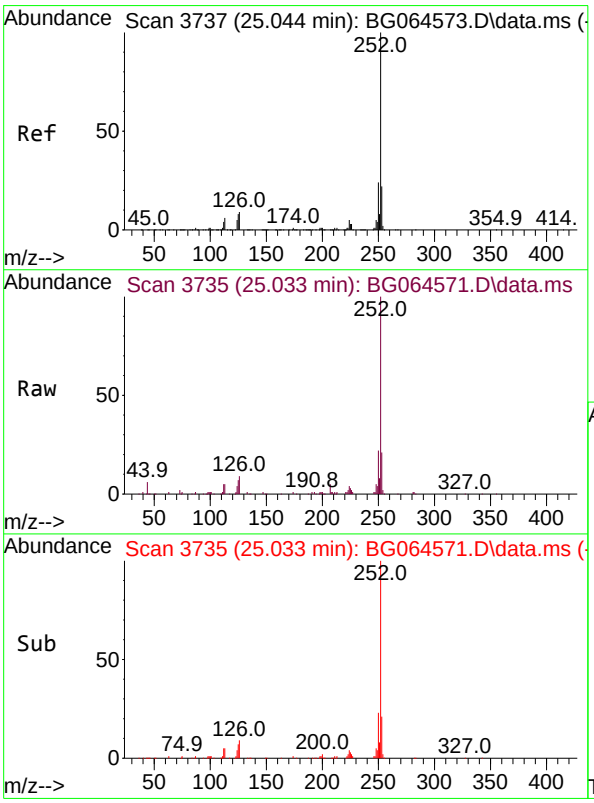
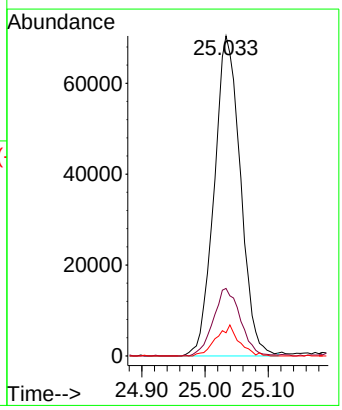


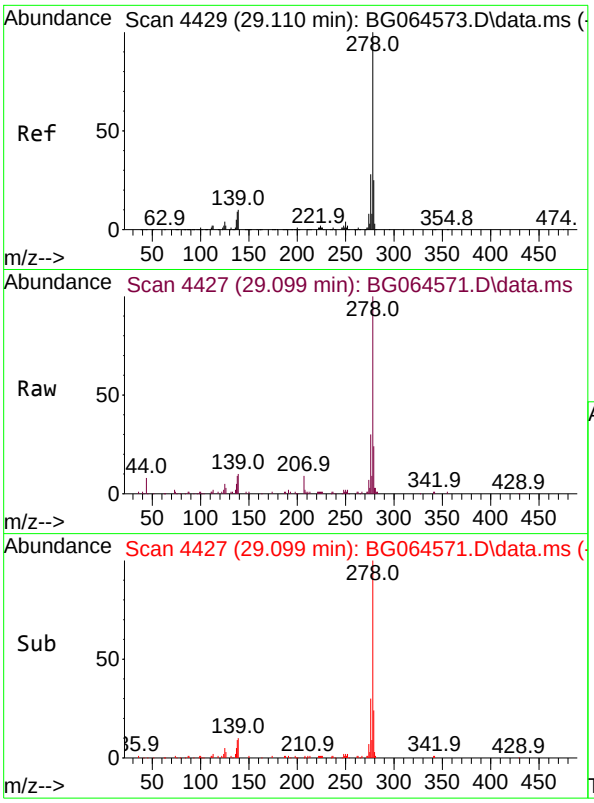


#90
Benzo(a)pyrene
Concen: 10.146 ng
RT: 25.033 min Scan# 3735
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 202985

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	7.2	6.1	9.1





#91
Dibenzo(a,h)anthracene
Concen: 10.235 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

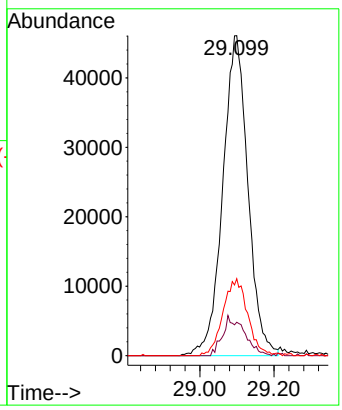
Tgt Ion:278 Resp: 217114

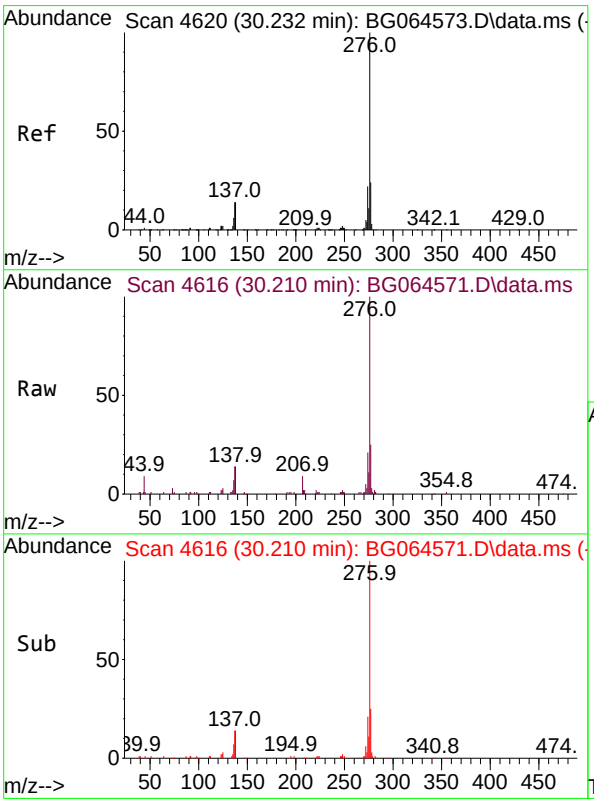
Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.0	12.0
279	24.0	19.8	29.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

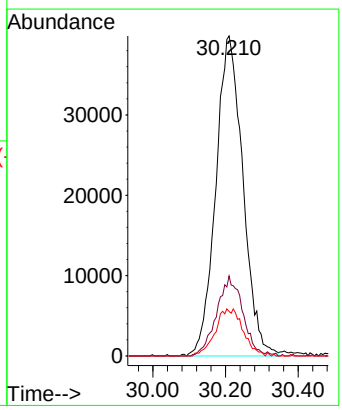




#92
Benzo(g,h,i)perylene
Concen: 10.173 ng
RT: 30.210 min Scan# 4616
Delta R.T. -0.023 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:276 Resp: 206153

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.1	28.7
138	13.9	11.3	16.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 03 18:00:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.217	152	46818	20.000	ng		0.00
21) Naphthalene-d8	11.049	136	192551	20.000	ng		0.00
39) Acenaphthene-d10	14.845	164	147520	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	357228	20.000	ng		0.00
76) Chrysene-d12	21.854	240	408574	20.000	ng		0.00
86) Perylene-d12	25.198	264	430370	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.744	112	108123	38.764	ng		0.00
7) Phenol-d6	7.348	99	146608	38.304	ng		0.00
23) Nitrobenzene-d5	9.381	82	121107	37.777	ng		0.00
42) 2,4,6-Tribromophenol	16.320	330	80231	37.682	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	385251	39.584	ng		0.00
79) Terphenyl-d14	20.168	244	870741	40.219	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	24533	19.867	ng		99
3) Pyridine	3.999	79	72660	19.593	ng		96
4) n-Nitrosodimethylamine	3.905	42	37799	19.007	ng	#	90
6) Aniline	7.530	93	99762	19.155	ng		99
8) 2-Chlorophenol	7.777	128	56018	19.187	ng		93
9) Benzaldehyde	7.342	77	46540	22.273	ng		97
10) Phenol	7.377	94	81849	19.337	ng		97
11) bis(2-Chloroethyl)ether	7.624	93	60495	19.439	ng		93
12) 1,3-Dichlorobenzene	8.112	146	65241	19.415	ng		99
13) 1,4-Dichlorobenzene	8.259	146	67506	19.757	ng		94
14) 1,2-Dichlorobenzene	8.582	146	63867	19.380	ng		99
15) Benzyl Alcohol	8.447	79	59123	18.732	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.740	45	158985	19.476	ng		97
17) 2-Methylphenol	8.646	107	55174	19.632	ng		97
18) Hexachloroethane	9.322	117	23663	19.735	ng		97
19) n-Nitroso-di-n-propyla...	9.022	70	52857	19.982	ng	#	94
20) 3+4-Methylphenols	8.969	107	74026	18.730	ng		94
22) Acetophenone	9.040	105	101737	19.328	ng		96
24) Nitrobenzene	9.422	77	66292	19.012	ng		95
25) Isophorone	9.951	82	148388	19.290	ng		98
26) 2-Nitrophenol	10.145	139	21166	17.837	ng		92
27) 2,4-Dimethylphenol	10.192	122	54972	19.211	ng		90
28) bis(2-Chloroethoxy)met...	10.432	93	85225	19.458	ng		97
29) 2,4-Dichlorophenol	10.679	162	60695	19.710	ng		96
30) 1,2,4-Trichlorobenzene	10.908	180	67078	19.171	ng		97
31) Naphthalene	11.096	128	208734	19.552	ng		99
32) Benzoic acid	10.274	122	31567m	18.155	ng		
33) 4-Chloroaniline	11.190	127	79067	19.055	ng		96
34) Hexachlorobutadiene	11.390	225	54233	19.820	ng		98
35) Caprolactam	11.931	113	22010	18.635	ng		93
36) 4-Chloro-3-methylphenol	12.289	107	69582	18.798	ng		92
37) 2-Methylnaphthalene	12.689	142	153445	19.577	ng		97
38) 1-Methylnaphthalene	12.906	142	149456	19.266	ng		97
40) 1,2,4,5-Tetrachloroben...	13.053	216	95653	19.320	ng		99
41) Hexachlorocyclopentadiene	13.035	237	41178	18.479	ng		97
43) 2,4,6-Trichlorophenol	13.276	196	55295	19.525	ng		95

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 03 18:00:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	64753	19.814	ng		93
46) 1,1'-Biphenyl	13.682	154	206656	19.705	ng		94
47) 2-Chloronaphthalene	13.729	162	155356	19.625	ng		99
48) 2-Nitroaniline	13.911	65	40854	17.565	ng		98
49) Acenaphthylene	14.563	152	242914	19.454	ng		98
50) Dimethylphthalate	14.281	163	219575	19.452	ng		99
51) 2,6-Dinitrotoluene	14.393	165	28427	17.440	ng		96
52) Acenaphthene	14.904	154	164542	19.287	ng		96
53) 3-Nitroaniline	14.722	138	37234	19.193	ng	#	99
54) 2,4-Dinitrophenol	14.921	184	16182	18.744	ng	#	29
55) Dibenzofuran	15.239	168	269419	19.534	ng		98
56) 4-Nitrophenol	15.009	139	31366	17.439	ng		90
57) 2,4-Dinitrotoluene	15.180	165	44209	17.427	ng	#	96
58) Fluorene	15.885	166	210426	19.536	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.456	232	59314	18.980	ng		99
60) Diethylphthalate	15.644	149	223398	19.382	ng		99
61) 4-Chlorophenyl-phenyle...	15.873	204	116865	19.333	ng		98
62) 4-Nitroaniline	15.879	138	42261	19.582	ng		99
63) Azobenzene	16.161	77	203101	19.205	ng		99
65) 4,6-Dinitro-2-methylph...	15.944	198	22843	18.316	ng		92
66) n-Nitrosodiphenylamine	16.079	169	187560	19.437	ng		98
67) 4-Bromophenyl-phenylether	16.766	248	82311	19.444	ng		98
68) Hexachlorobenzene	16.890	284	93647	19.391	ng		96
69) Atrazine	17.019	200	88832	21.392	ng		95
70) Pentachlorophenol	17.219	266	54275	18.022	ng		88
71) Phenanthrene	17.618	178	383359	19.624	ng		99
72) Anthracene	17.712	178	393312	19.792	ng		100
73) Carbazole	17.971	167	350722	20.014	ng		99
74) Di-n-butylphthalate	18.529	149	421239	20.788	ng		100
75) Fluoranthene	19.616	202	492924	20.142	ng		99
77) Benzidine	19.780	184	194070	21.201	ng		99
78) Pyrene	19.974	202	524431	19.646	ng		99
80) Butylbenzylphthalate	20.856	149	158394	19.633	ng		97
81) Benzo(a)anthracene	21.837	228	528009	19.490	ng		100
82) 3,3'-Dichlorobenzidine	21.737	252	174803	19.323	ng		99
83) Chrysene	21.901	228	502125	19.479	ng		97
84) Bis(2-ethylhexyl)phtha...	21.749	149	237524	19.703	ng		100
85) Di-n-octyl phthalate	23.012	149	380895	18.740	ng		99
87) Indeno(1,2,3-cd)pyrene	29.028	276	606702	19.163	ng		99
88) Benzo(b)fluoranthene	24.134	252	503145	19.066	ng		98
89) Benzo(k)fluoranthene	24.205	252	518915	19.650	ng		99
90) Benzo(a)pyrene	25.039	252	470556	19.398	ng		98
91) Dibenzo(a,h)anthracene	29.099	278	498395	19.377	ng		97
92) Benzo(g,h,i)perylene	30.221	276	468496	19.067	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

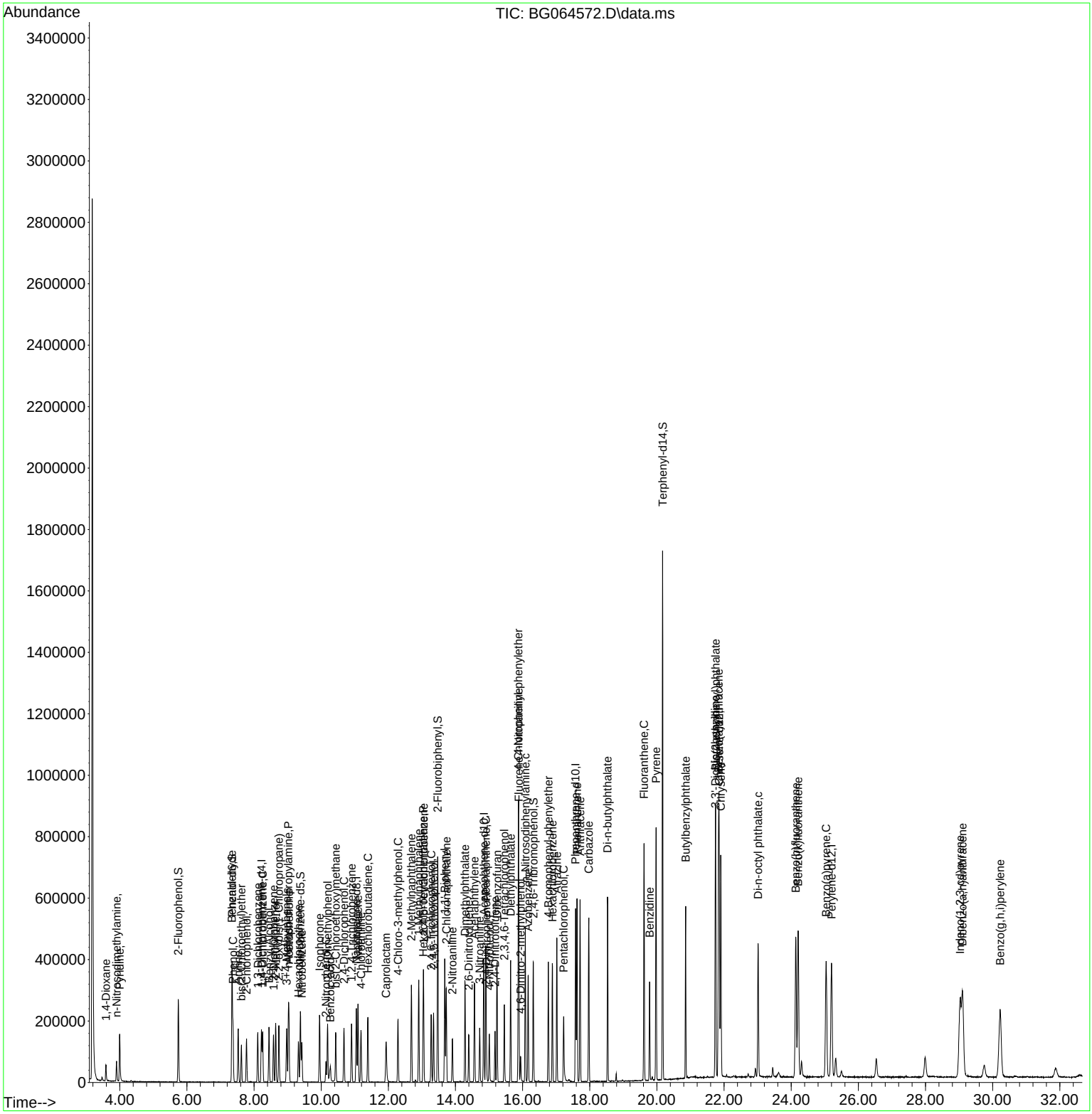
ICAL Form

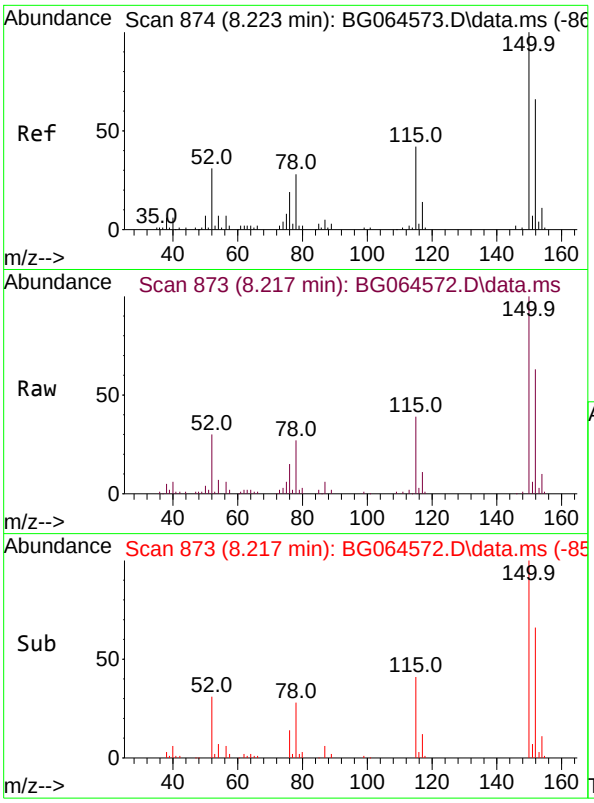
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 03 18:00:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

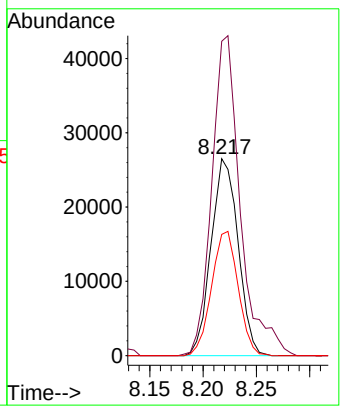
Tgt Ion:152 Resp: 46818

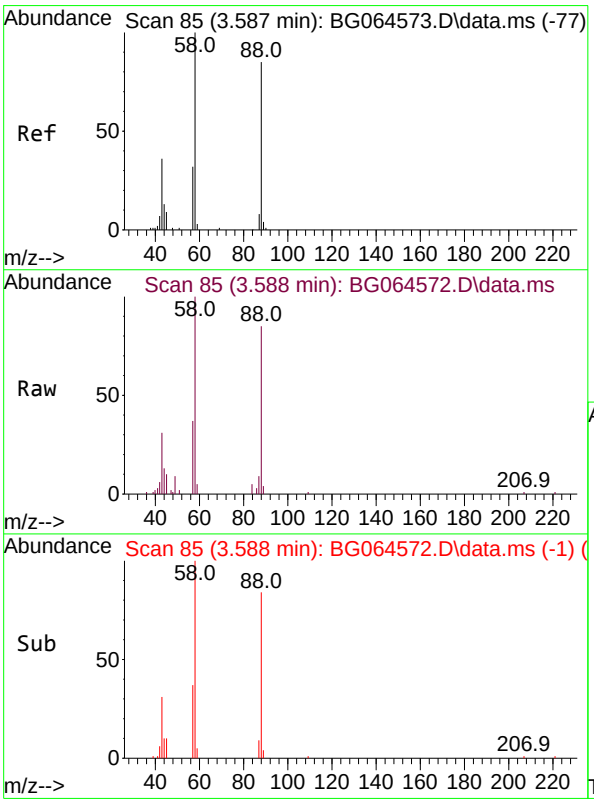
Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.2	183.4
115	61.5	50.8	76.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

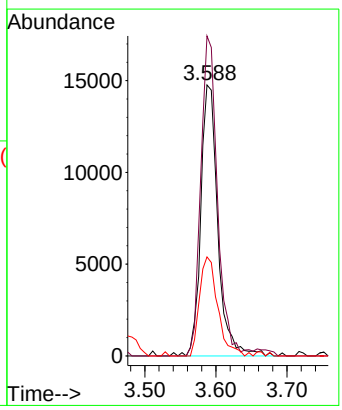


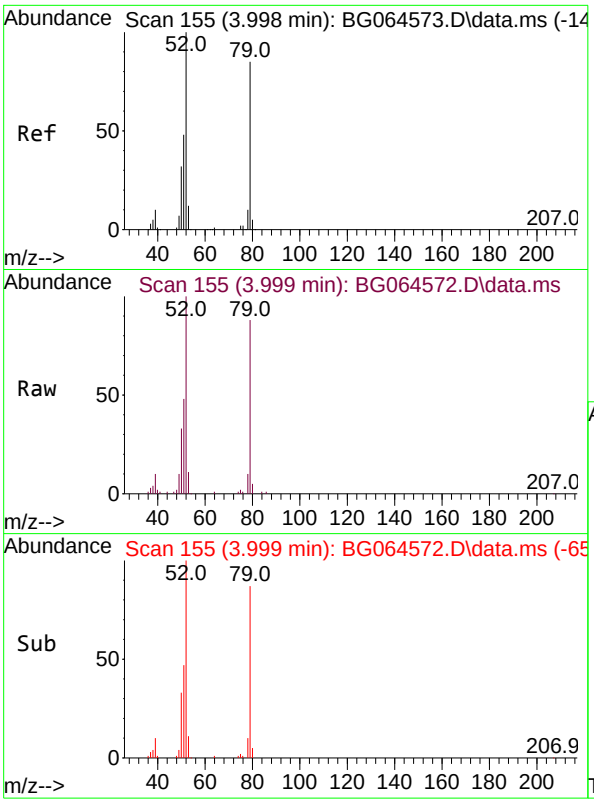


#2
1,4-Dioxane
Concen: 19.867 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 88 Resp: 24533

Ion	Ratio	Lower	Upper
88	100		
58	114.9	92.4	138.6
43	38.9	33.0	49.6





#3
Pyridine
Concen: 19.593 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

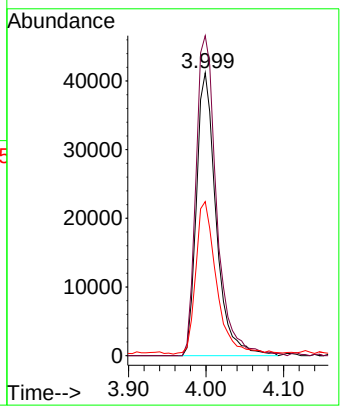
Tgt Ion: 79 Resp: 7266

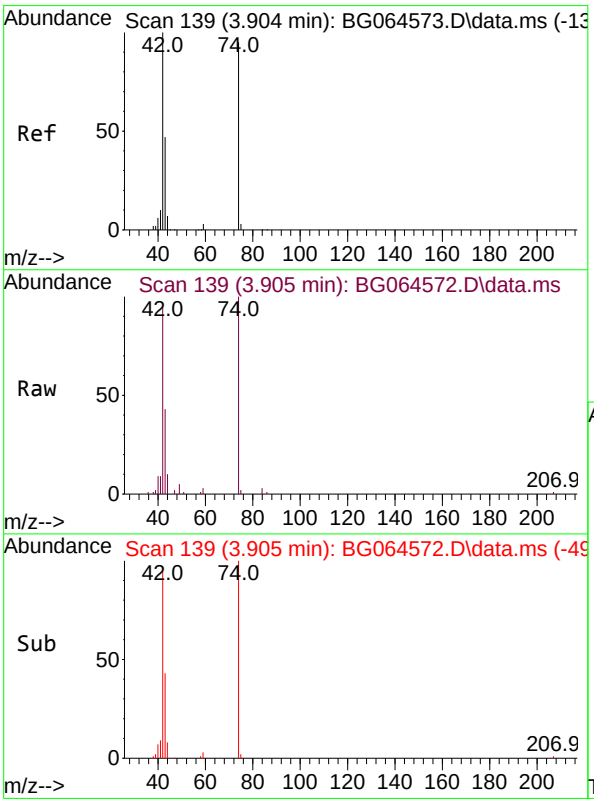
Ion	Ratio	Lower	Upper
79	100		
52	113.1	94.2	141.2
51	54.4	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

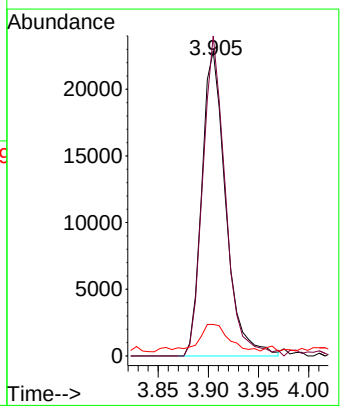


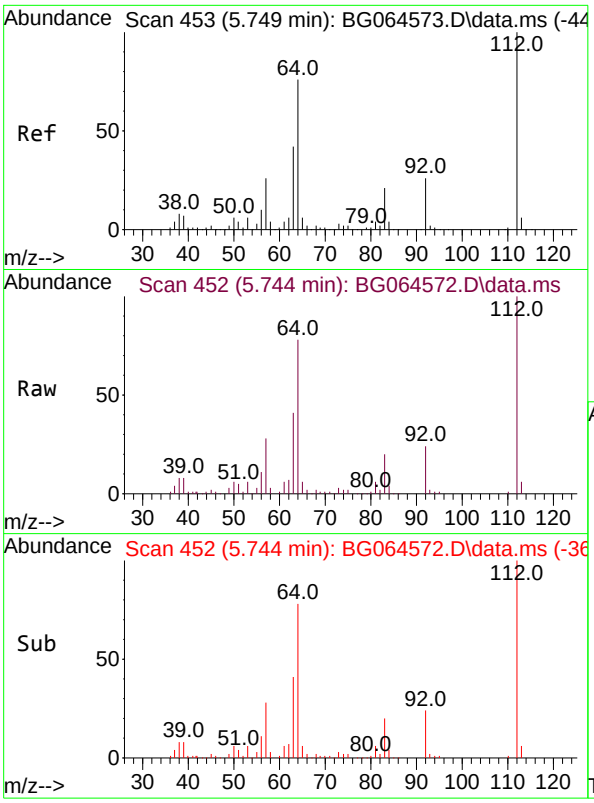


#4
n-Nitrosodimethylamine
Concen: 19.007 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 42 Resp: 37799

Ion	Ratio	Lower	Upper
42	100		
74	105.0	76.1	114.1
44	10.3	6.3	9.5#





#5
2-Fluorophenol
Concen: 38.764 ng
RT: 5.744 min Scan# 4
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

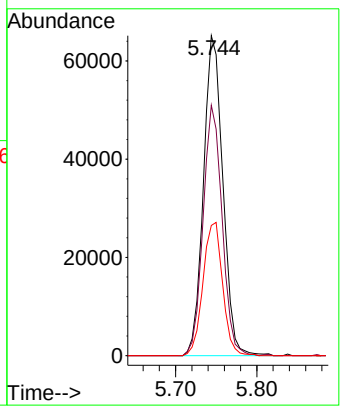
Tgt Ion:112 Resp: 10812

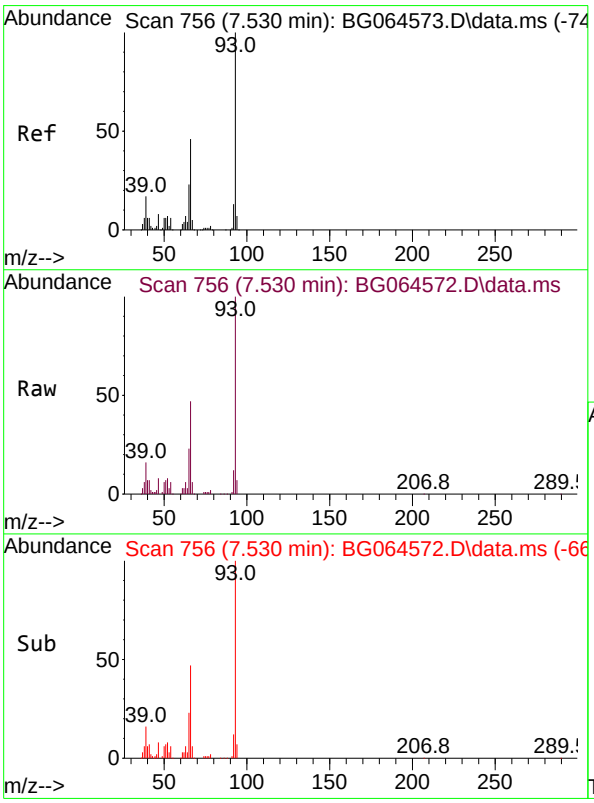
Ion	Ratio	Lower	Upper
112	100		
64	78.2	60.7	91.1
63	40.7	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

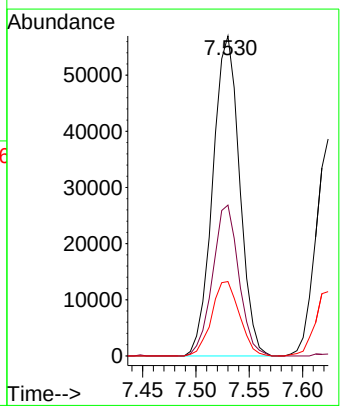


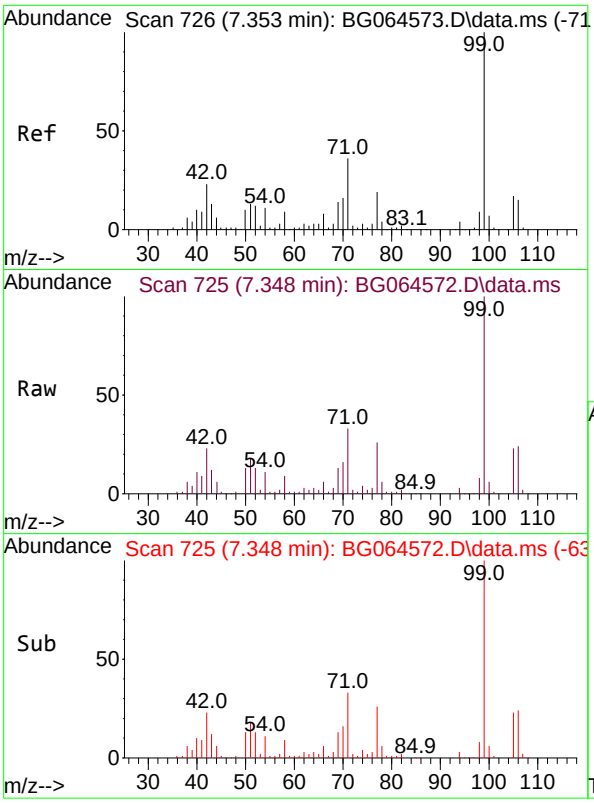


#6
Aniline
Concen: 19.155 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 99762

Ion	Ratio	Lower	Upper
93	100		
66	47.2	37.0	55.6
65	23.2	18.3	27.5





#7
Phenol-d6
Concen: 38.304 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

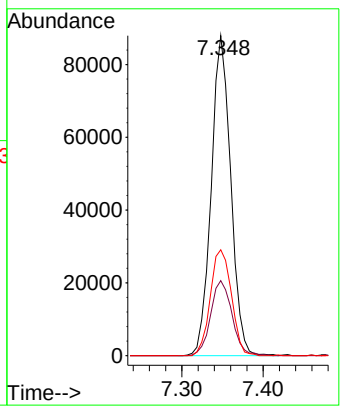
Tgt Ion: 99 Resp: 146608

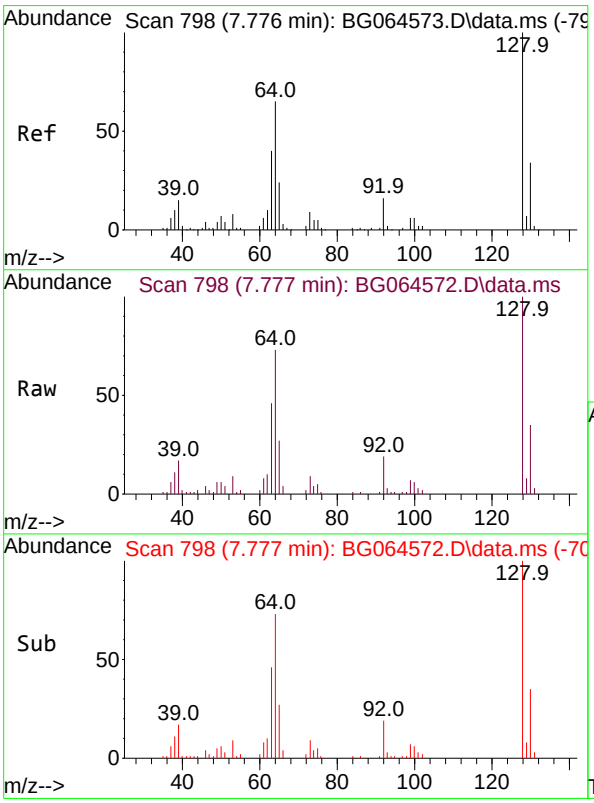
Ion	Ratio	Lower	Upper
99	100		
42	23.4	18.3	27.5
71	33.1	28.6	43.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

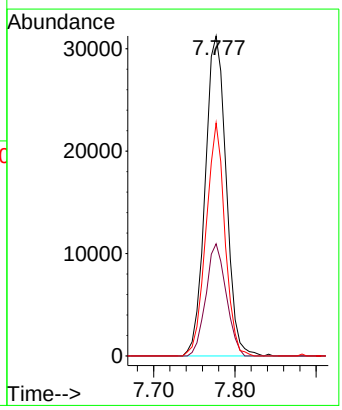


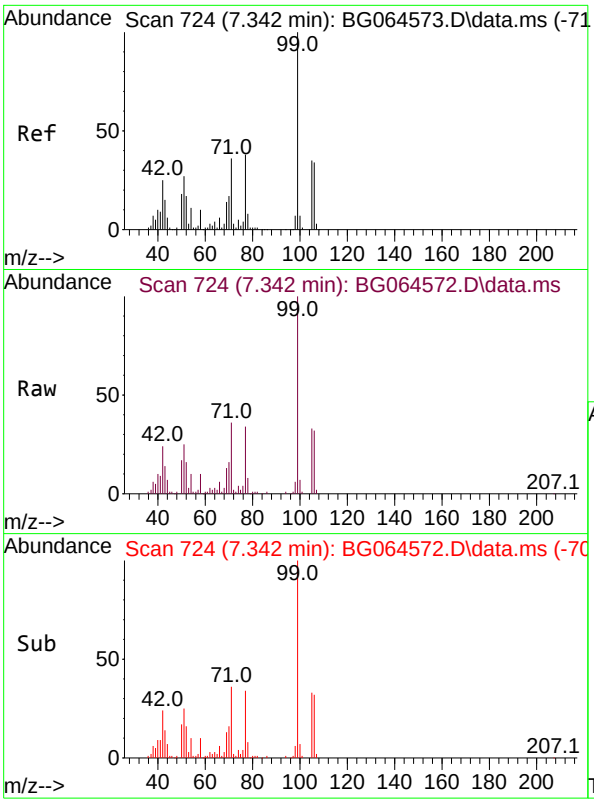


#8
2-Chlorophenol
Concen: 19.187 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:128 Resp: 56018

Ion	Ratio	Lower	Upper
128	100		
130	35.0	13.5	53.5
64	72.8	45.2	85.2





#9
Benzaldehyde
Concen: 22.273 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 4654

Ion	Ratio	Lower	Upper
77	100		
105	96.8	72.9	112.9
106	93.4	70.8	110.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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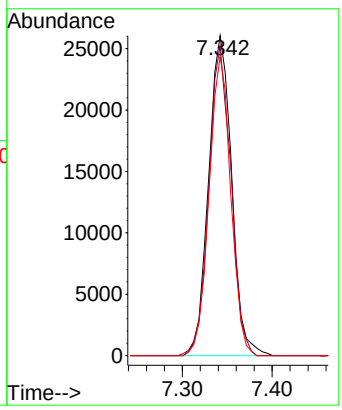
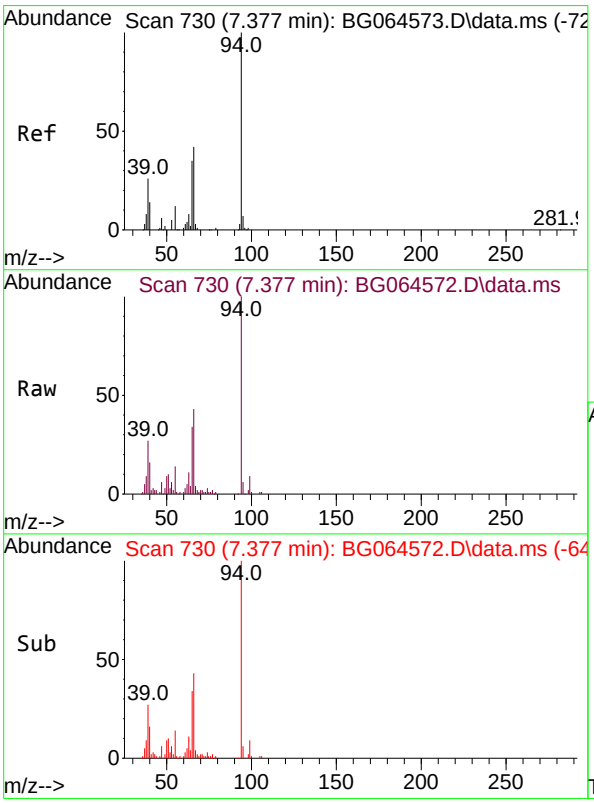
Supervised By :mohammad ahmed 11/05/2025

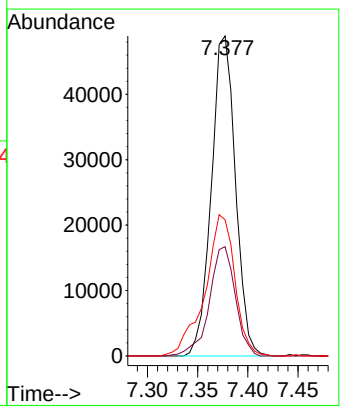


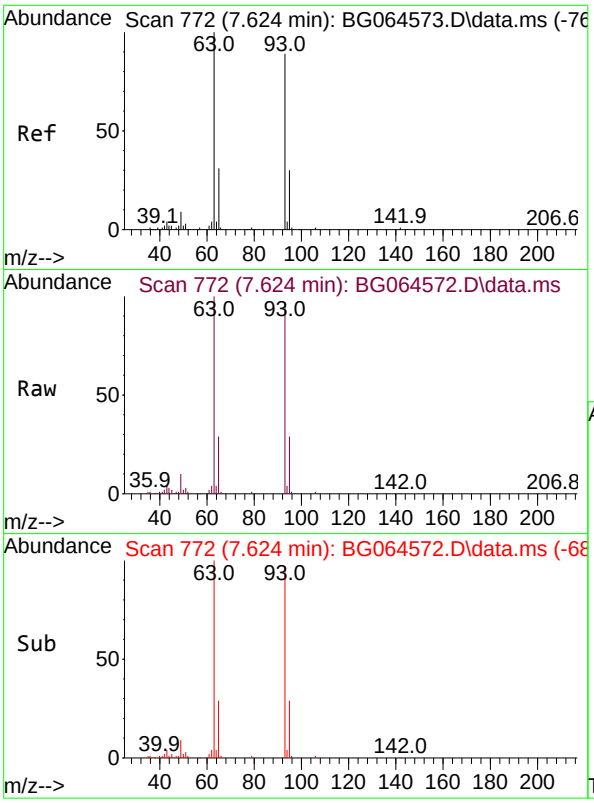


#10
Phenol
Concen: 19.337 ng
RT: 7.377 min Scan# 730
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 94 Resp: 81849

Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.8	55.8
66	42.5	24.0	64.0





#11
bis(2-Chloroethyl)ether
Concen: 19.439 ng
RT: 7.624 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 6049

Ion	Ratio	Lower	Upper
93	100		
63	103.3	91.3	131.3
95	30.4	13.3	53.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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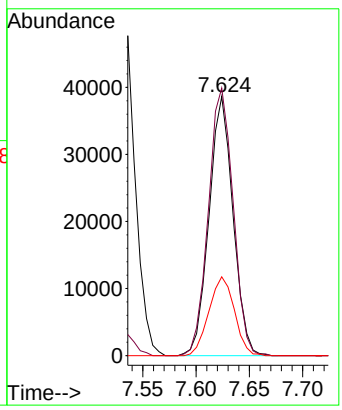
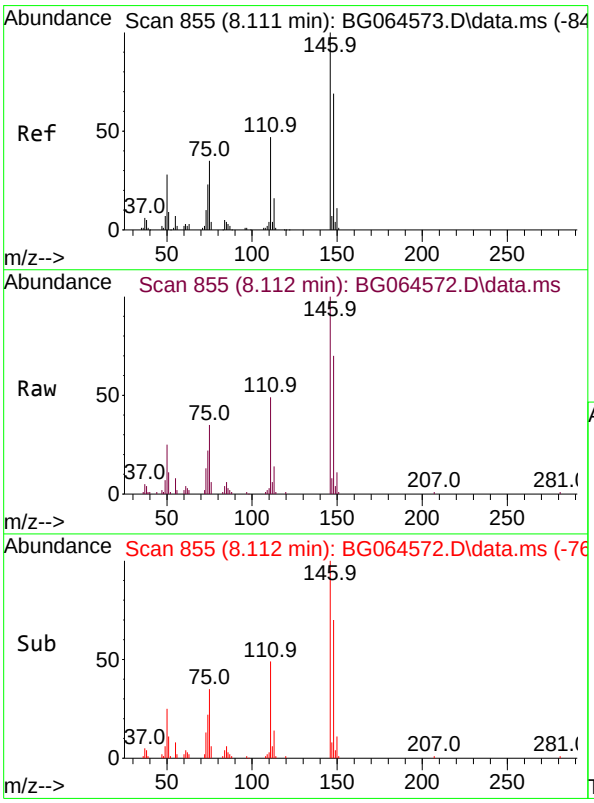
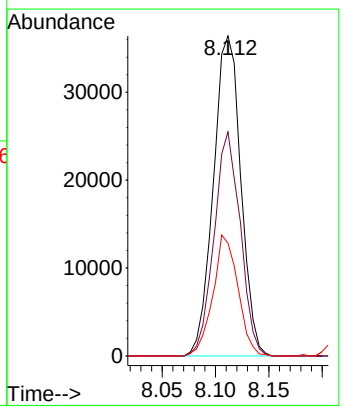


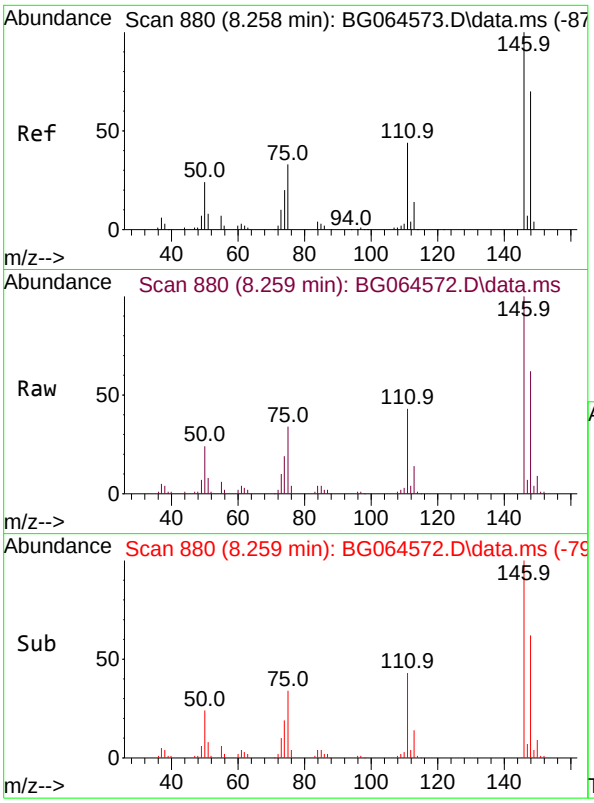


#12
1,3-Dichlorobenzene
Concen: 19.415 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 65241

Ion	Ratio	Lower	Upper
146	100		
148	70.0	55.3	82.9
75	35.2	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 19.757 ng
RT: 8.259 min Scan# 88
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 6750

Ion	Ratio	Lower	Upper
146	100		
148	62.4	56.2	84.4
111	43.5	35.4	53.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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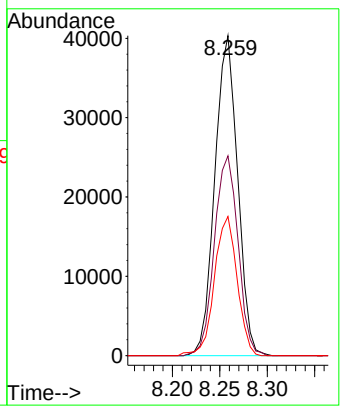
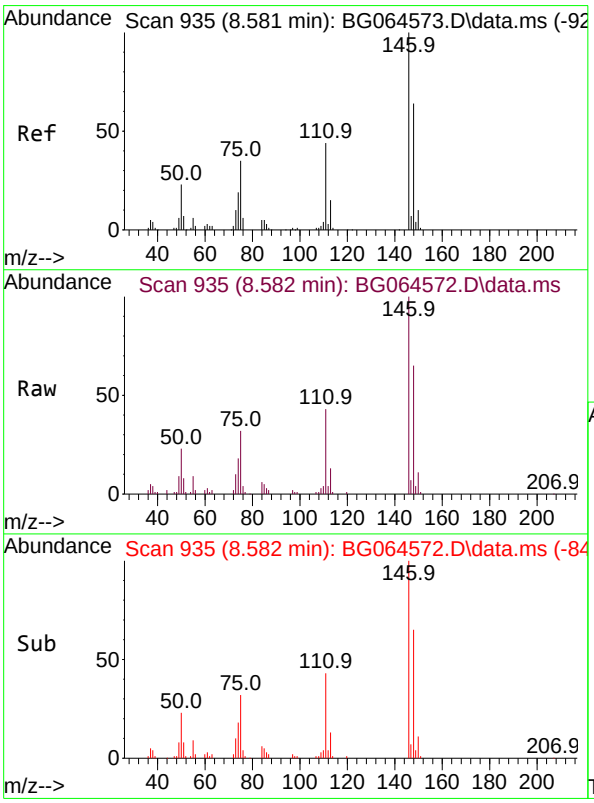
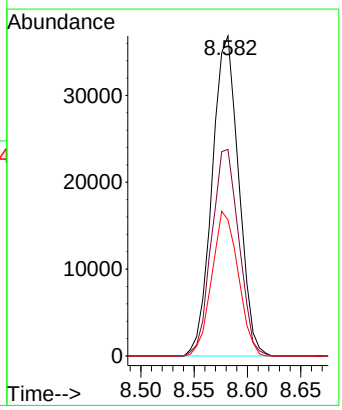


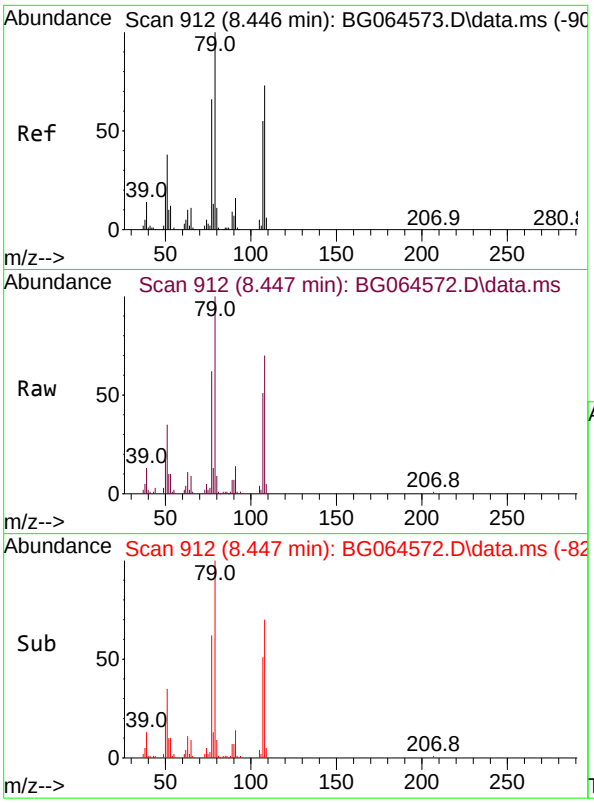


#14
1,2-Dichlorobenzene
Concen: 19.380 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 63867

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.5	77.3
111	42.5	35.0	52.6





#15
Benzyl Alcohol
Concen: 18.732 ng
RT: 8.447 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 79 Resp: 5912

Ion	Ratio	Lower	Upper
79	100		
108	70.4	58.1	87.1
77	62.4	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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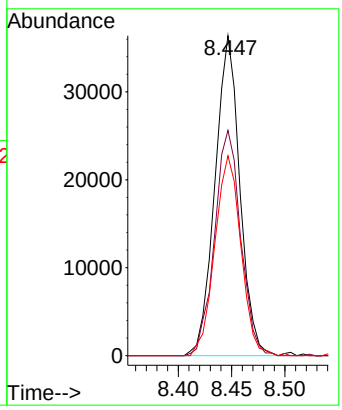
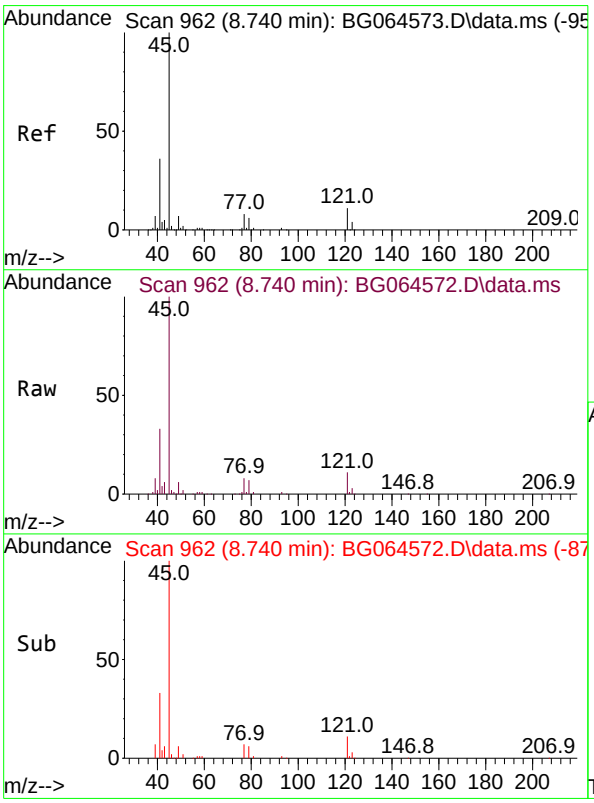
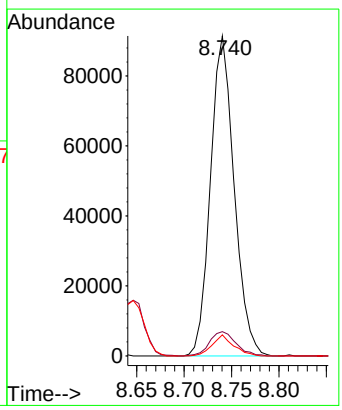


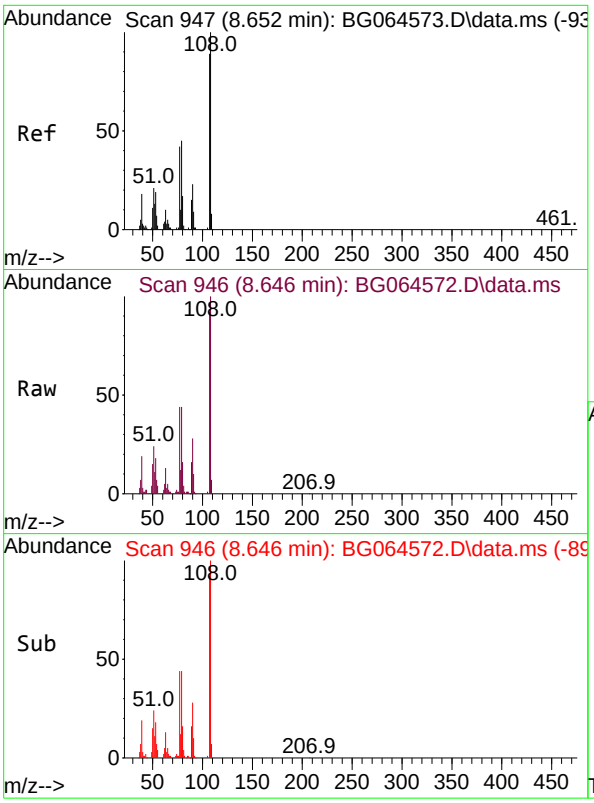


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.476 ng
RT: 8.740 min Scan# 962
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 45 Resp: 158985

Ion	Ratio	Lower	Upper
45	100		
77	7.6	0.0	28.5
79	6.6	0.0	25.6

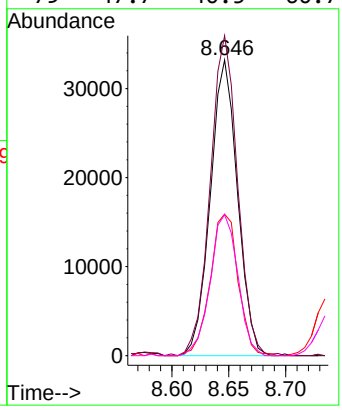




#17
2-Methylphenol
Concen: 19.632 ng
RT: 8.646 min Scan# 94
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 55174

Ion	Ratio	Lower	Upper
107	100		
108	108.3	90.0	135.0
77	47.9	37.8	56.8
79	47.7	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
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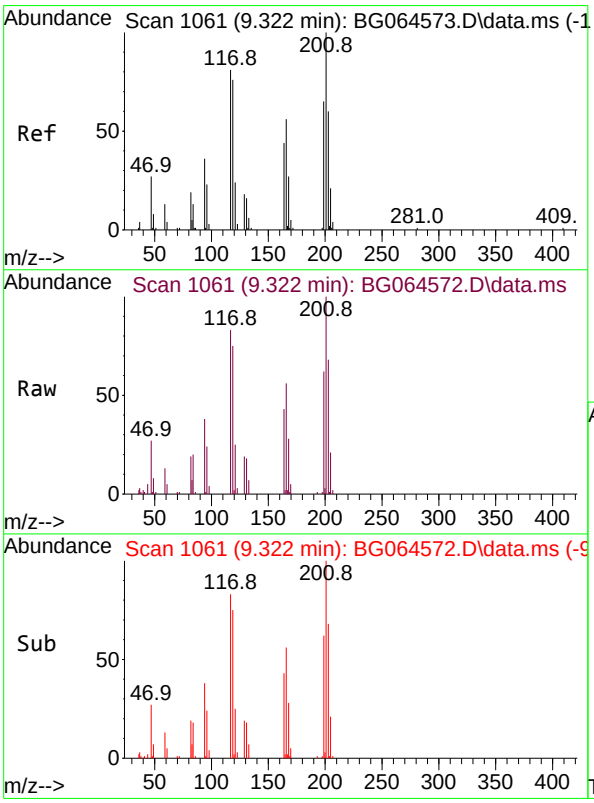
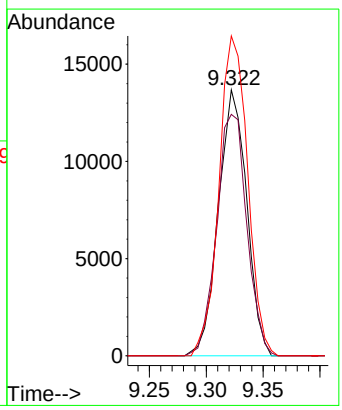
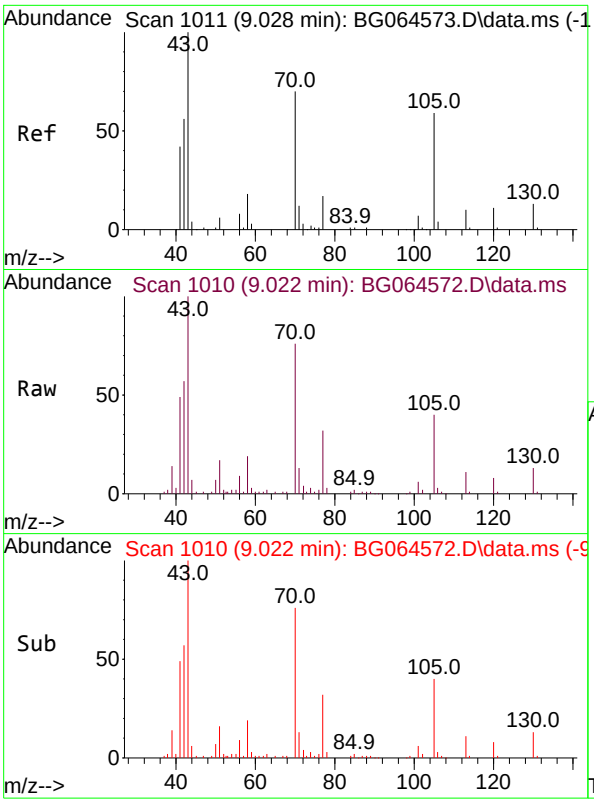


#18
Hexachloroethane
Concen: 19.735 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:117 Resp: 23663

Ion	Ratio	Lower	Upper
117	100		
119	90.8	75.4	113.2
201	120.3	99.2	148.8





#19
n-Nitroso-di-n-propylamine
Concen: 19.982 ng
RT: 9.022 min Scan# 1(
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 70 Resp: 5285

Ion	Ratio	Lower	Upper
70	100		
42	75.6	65.2	97.8
101	7.6	7.9	11.9#
130	16.5	14.3	21.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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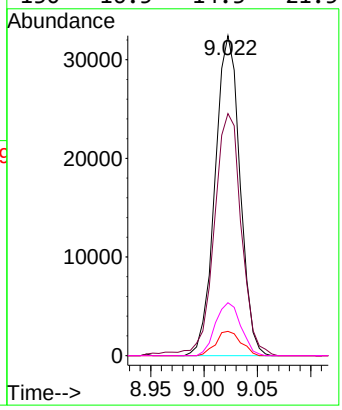
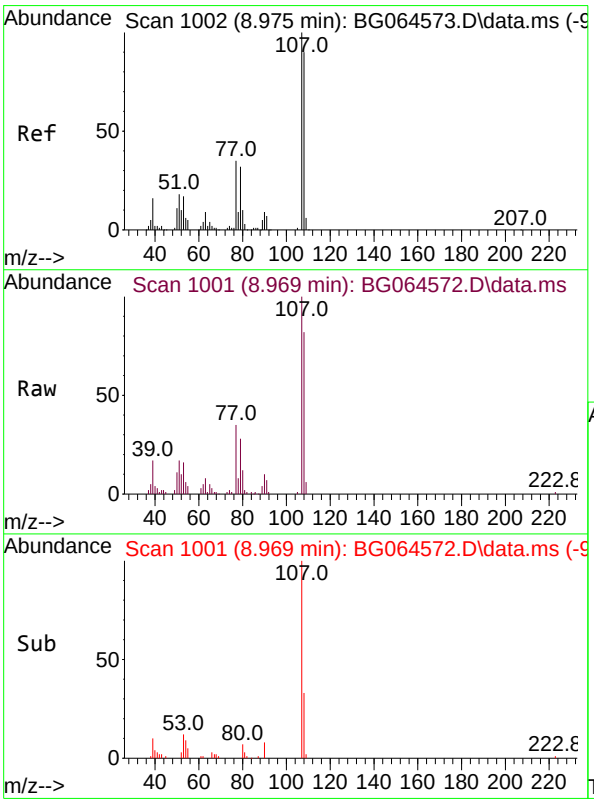
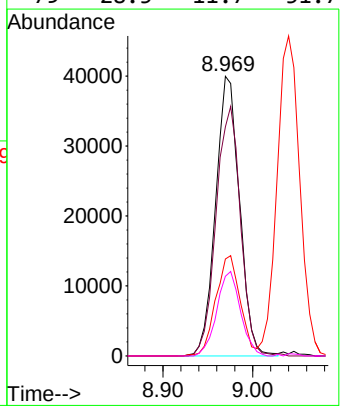


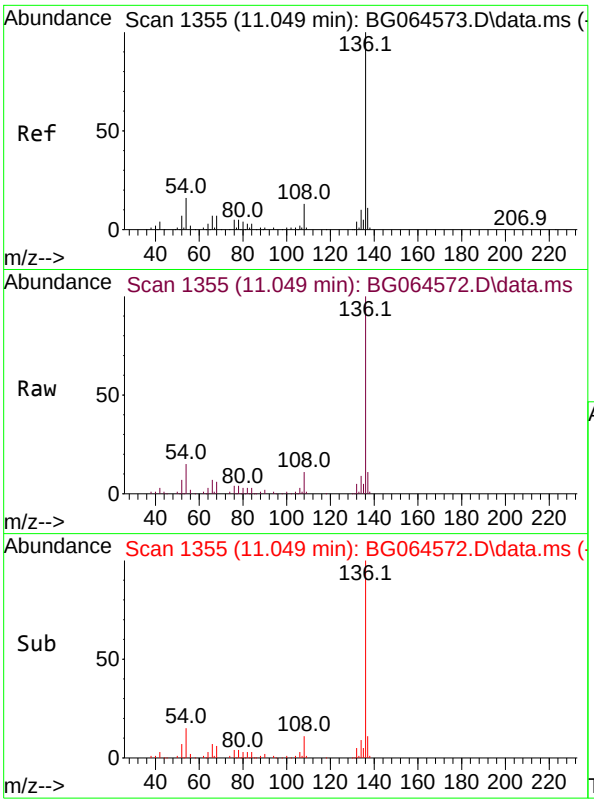


#20
3+4-Methylphenols
Concen: 18.730 ng
RT: 8.969 min Scan# 1001
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 74026

Ion	Ratio	Lower	Upper
107	100		
108	81.9	70.3	110.3
77	34.6	14.6	54.6
79	28.5	11.7	51.7

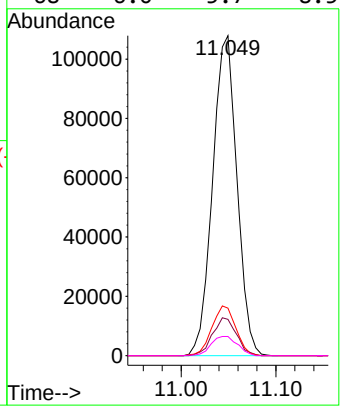




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:136 Resp: 19255

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	14.8	12.6	19.0
68	6.0	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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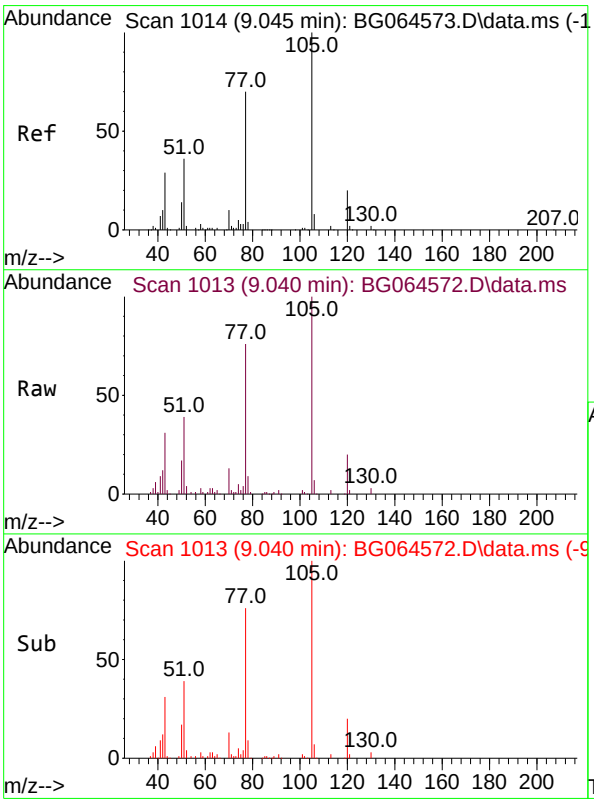
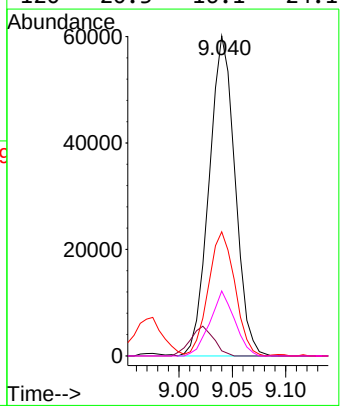
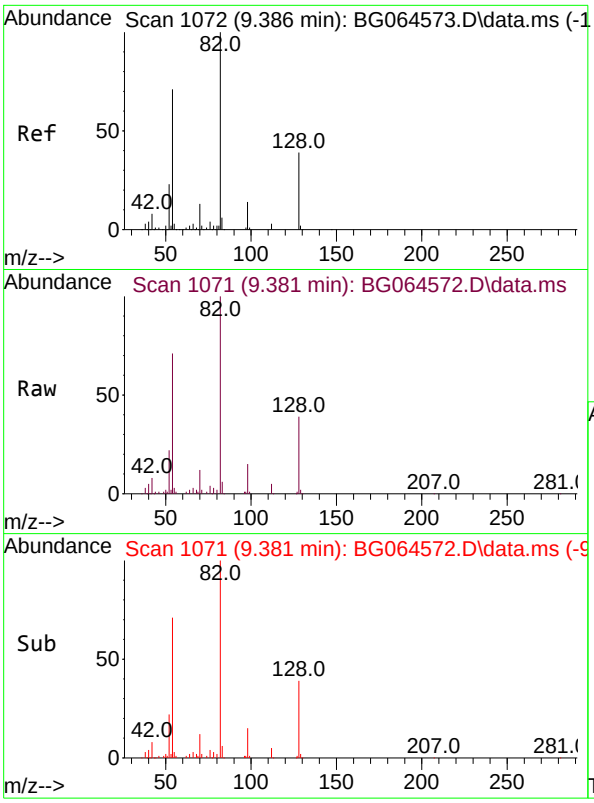


#22
Acetophenone
Concen: 19.328 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:105 Resp: 101737

Ion	Ratio	Lower	Upper
105	100		
71	1.6	1.5	2.3
51	38.8	33.7	50.5
120	20.3	16.1	24.1





#23
Nitrobenzene-d5
Concen: 37.777 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 82 Resp: 12110

Ion	Ratio	Lower	Upper
82	100		
128	39.2	31.3	46.9
54	70.7	56.6	84.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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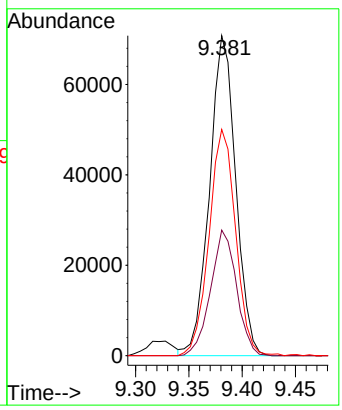
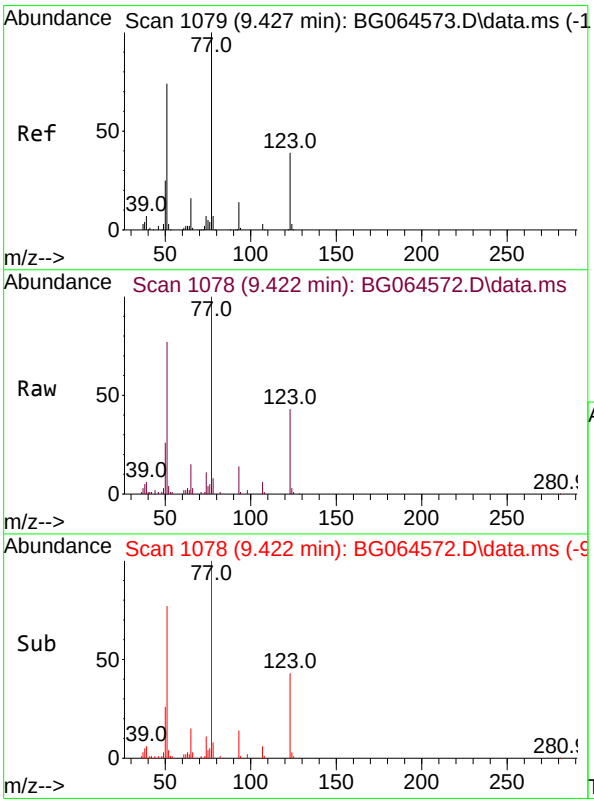
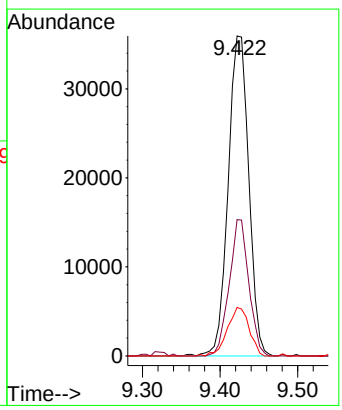


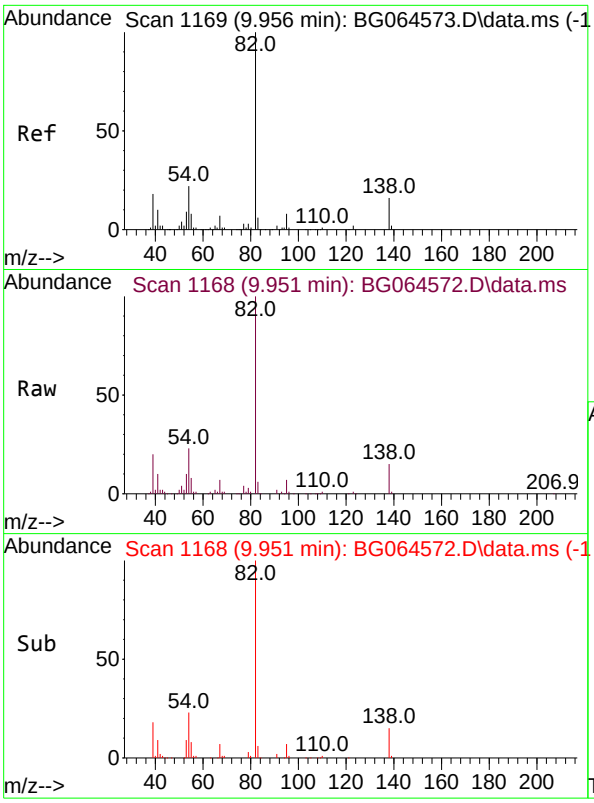


#24
Nitrobenzene
Concen: 19.012 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 66292

Ion	Ratio	Lower	Upper
77	100		
123	42.6	31.0	46.6
65	15.1	12.7	19.1





#25
Isophorone
Concen: 19.290 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 82 Resp: 148388

Ion	Ratio	Lower	Upper
82	100		
95	7.0	6.1	9.1
138	15.1	13.0	19.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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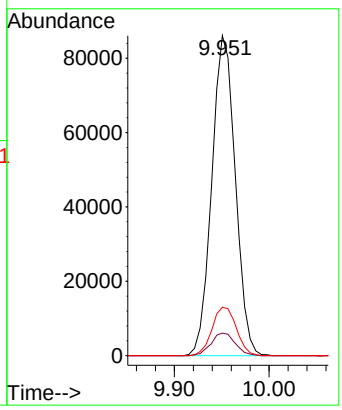
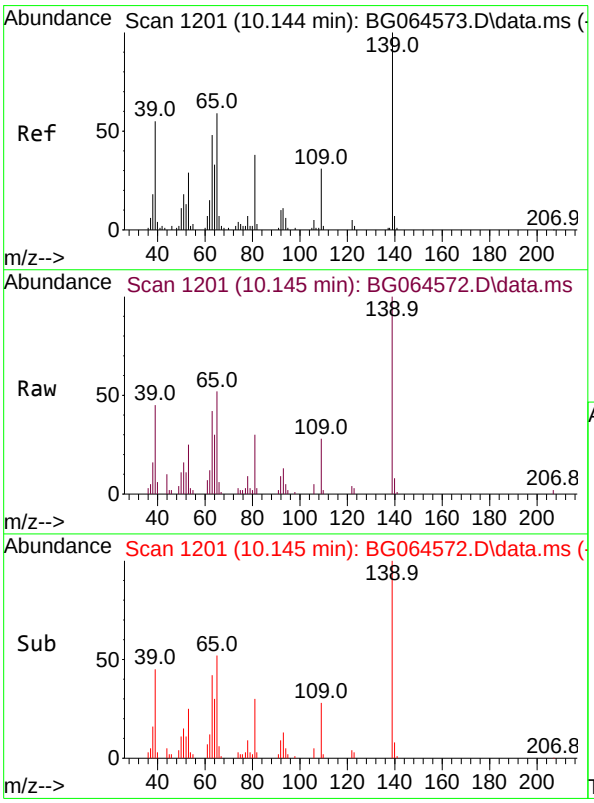
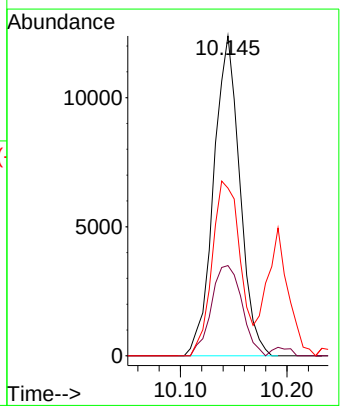


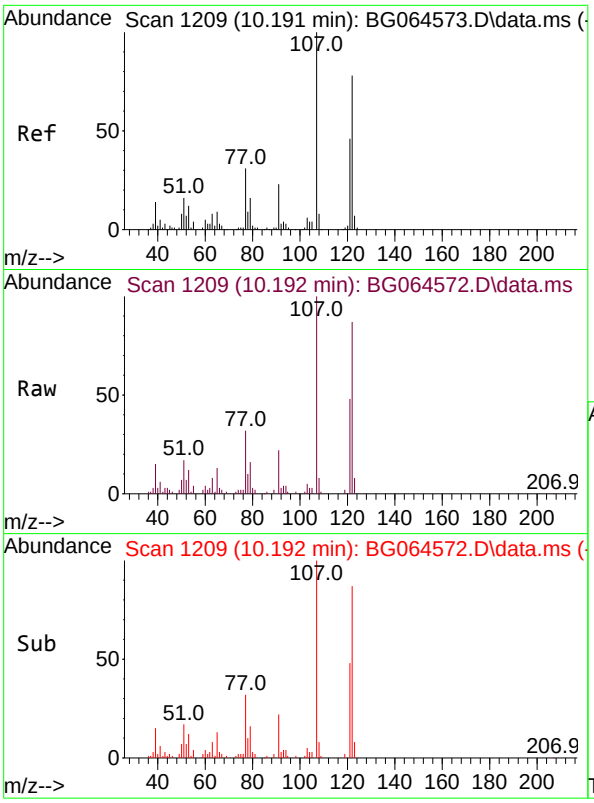


#26
2-Nitrophenol
Concen: 17.837 ng
RT: 10.145 min Scan# 1201
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:139 Resp: 21166

Ion	Ratio	Lower	Upper
139	100		
109	28.2	24.6	37.0
65	52.4	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 19.211 ng
RT: 10.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:122 Resp: 5497

Ion	Ratio	Lower	Upper
122	100		
107	115.2	103.0	154.4
121	55.1	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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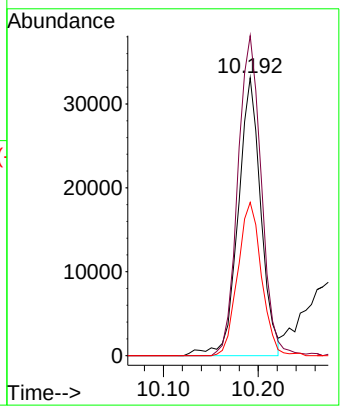
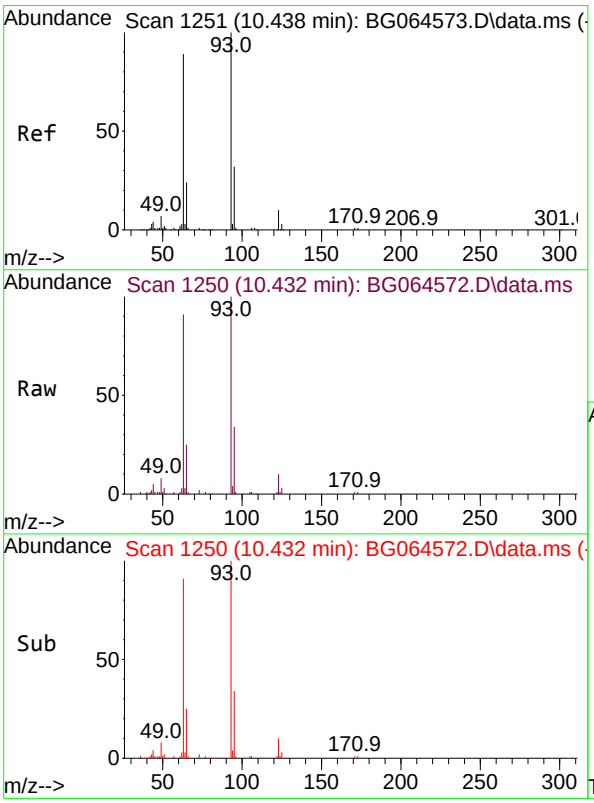
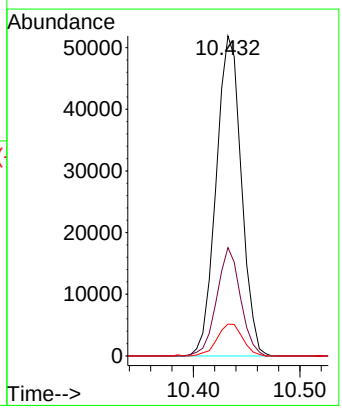


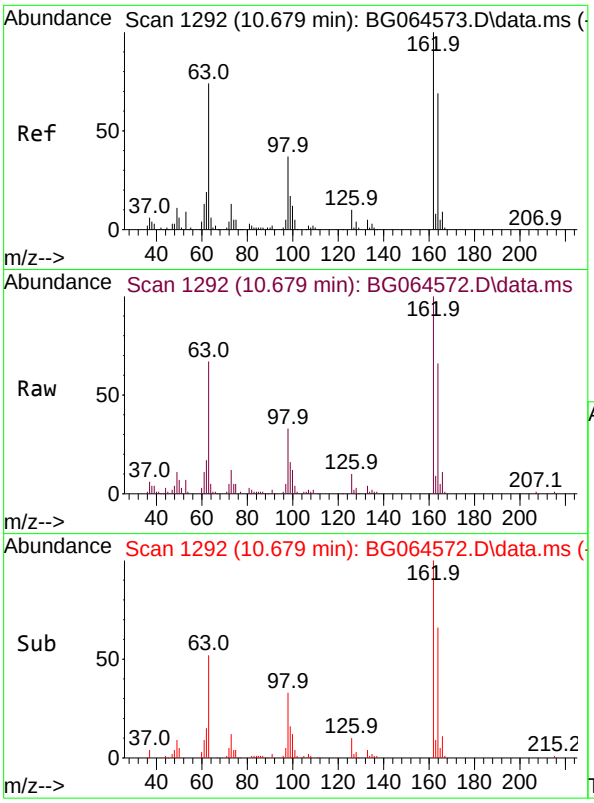


#28
bis(2-Chloroethoxy)methane
Concen: 19.458 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 85225

Ion	Ratio	Lower	Upper
93	100		
95	33.8	25.4	38.2
123	9.9	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 19.710 ng
RT: 10.679 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:162 Resp: 6069

Ion	Ratio	Lower	Upper
162	100		
164	66.4	48.7	88.7
98	33.1	16.9	56.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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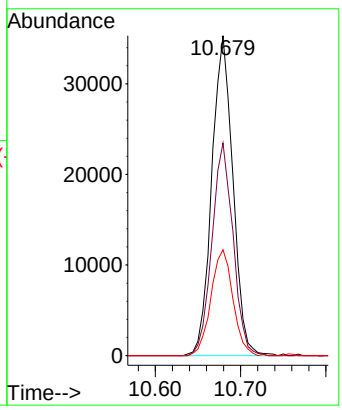
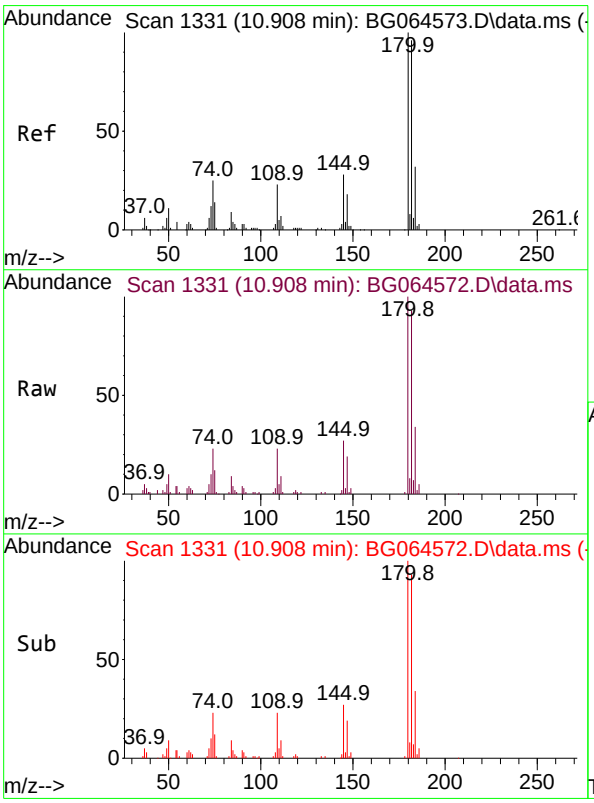
Supervised By :mohammad ahmed 11/05/2025

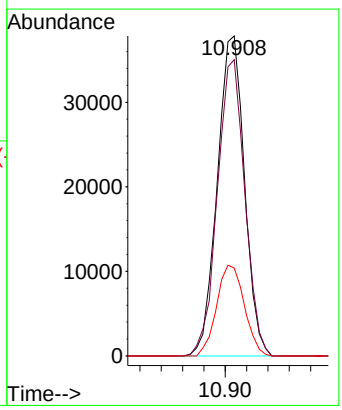


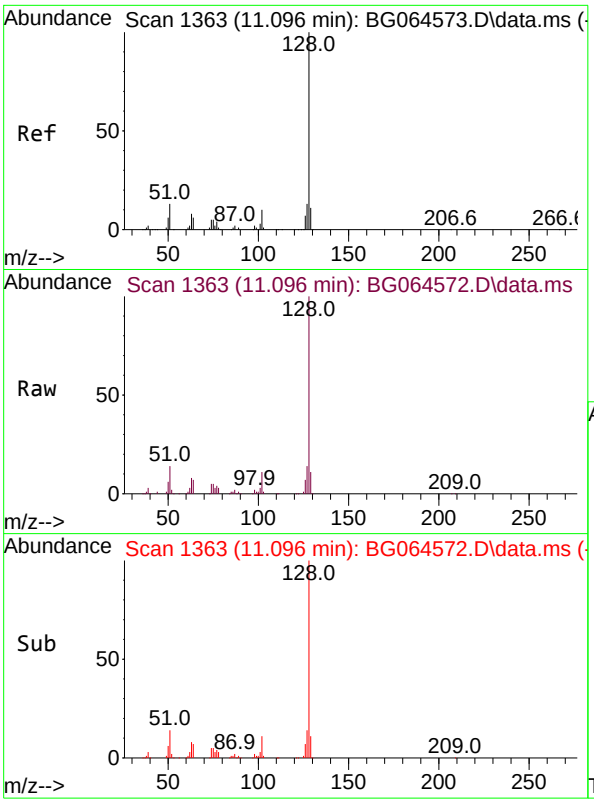


#30
1,2,4-Trichlorobenzene
Concen: 19.171 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:180 Resp: 67078

Ion	Ratio	Lower	Upper
180	100		
182	92.6	76.9	115.3
145	27.5	22.1	33.1





#31
Naphthalene
Concen: 19.552 ng
RT: 11.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:128 Resp: 20873

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.9	10.6	15.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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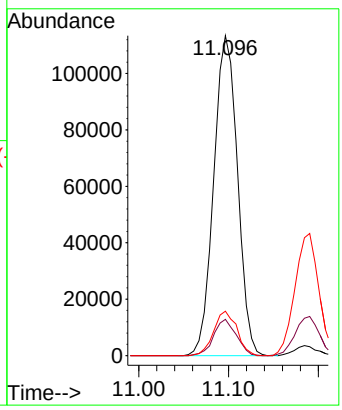
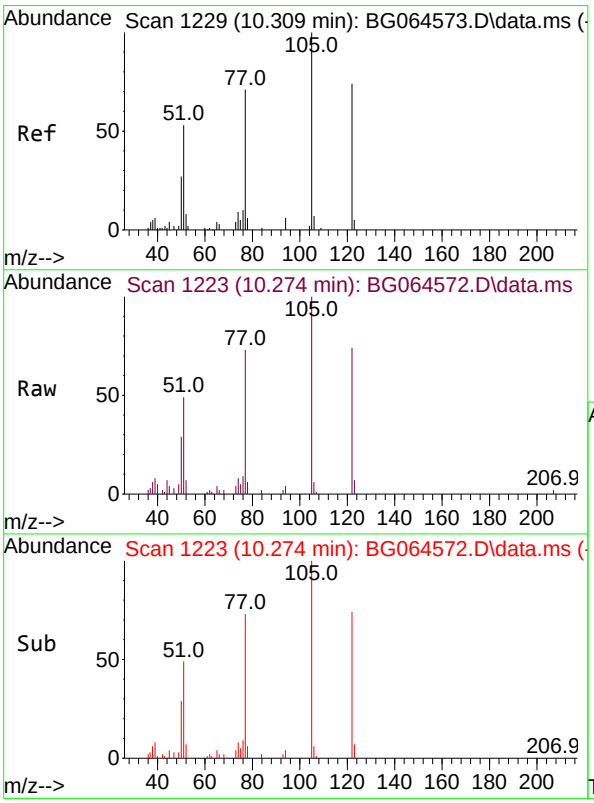
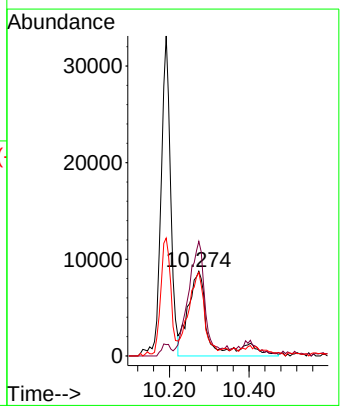


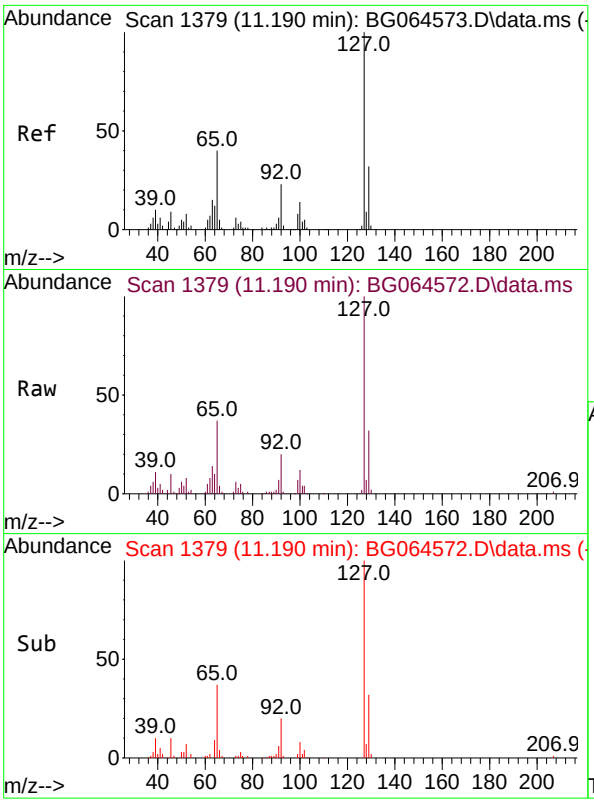


#32
Benzoic acid
Concen: 18.155 ng m
RT: 10.274 min Scan# 1223
Delta R.T. -0.035 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:122 Resp: 31567

Ion	Ratio	Lower	Upper
122	100		
105	135.4	104.2	144.2
77	99.0	70.2	110.2





#33
4-Chloroaniline
Concen: 19.055 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:127 Resp: 7906

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.5	38.3
65	36.8	32.2	48.4
92	20.2	18.2	27.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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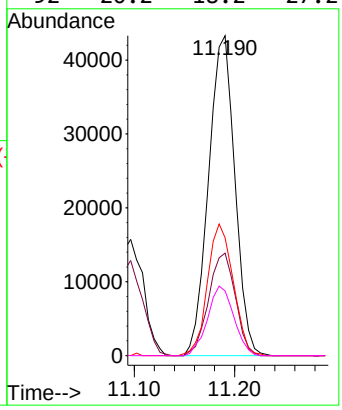
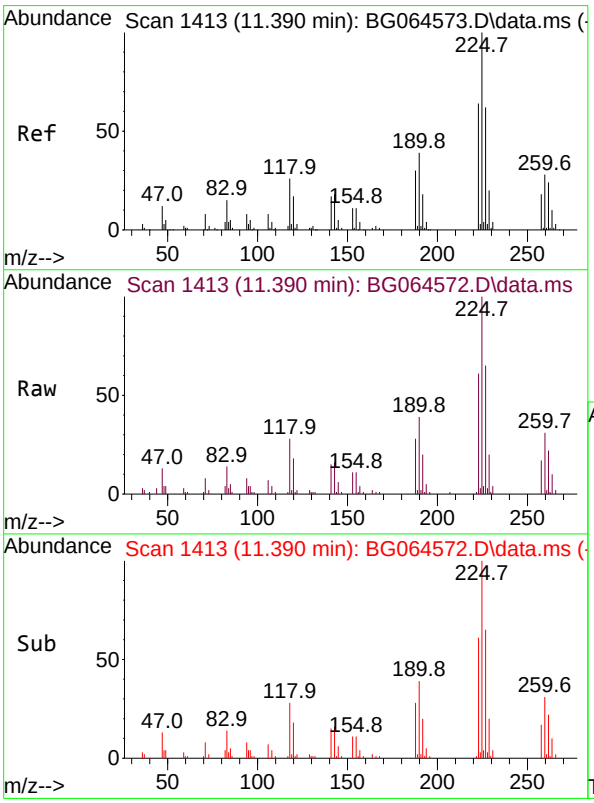
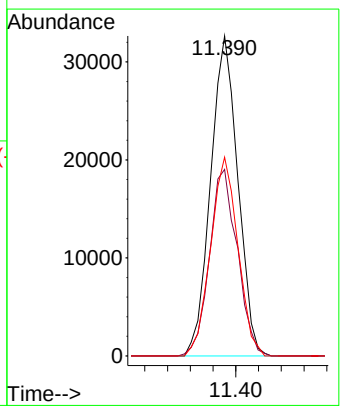


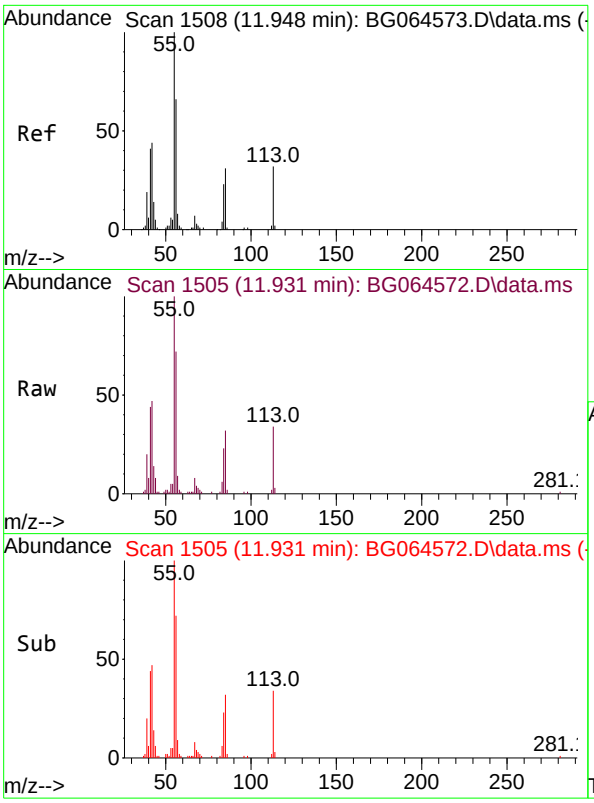


#34
Hexachlorobutadiene
Concen: 19.820 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:225 Resp: 54233

Ion	Ratio	Lower	Upper
225	100		
223	58.3	48.8	73.2
227	62.1	49.5	74.3





#35
Caprolactam
Concen: 18.635 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:113 Resp: 2201

Ion	Ratio	Lower	Upper
113	100		
55	295.5	290.1	330.1
56	212.3	183.8	223.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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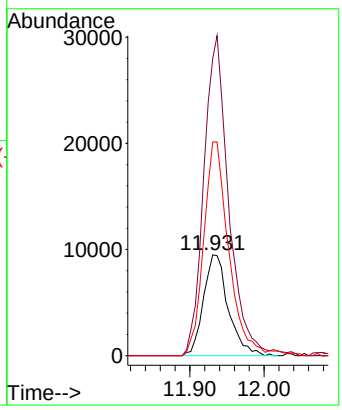
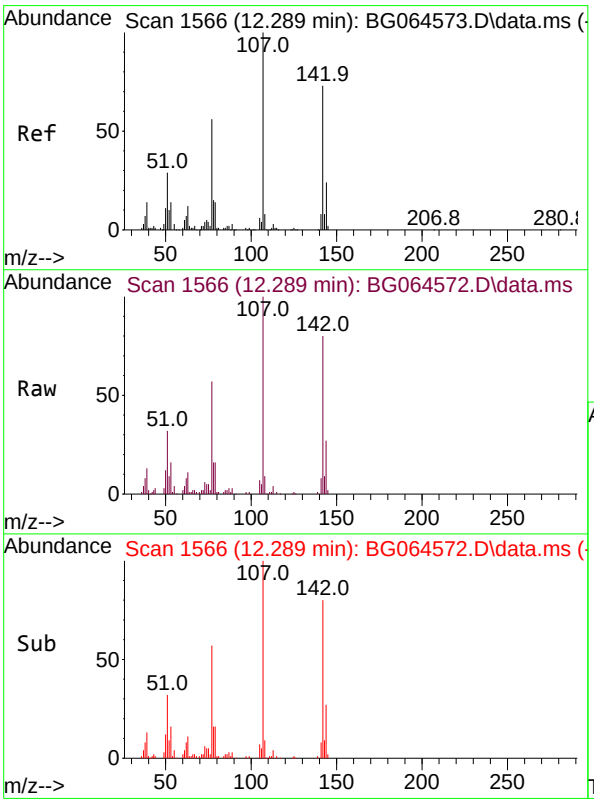
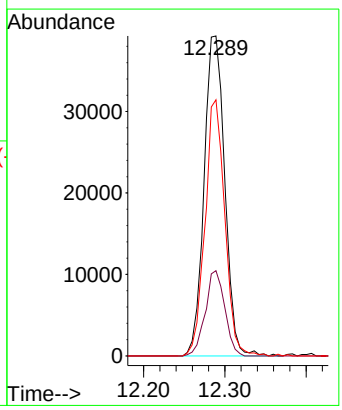


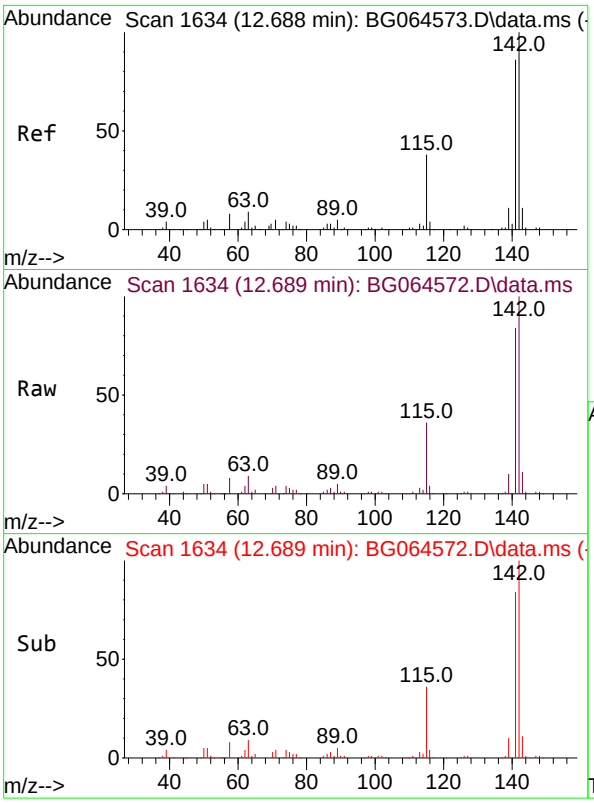


#36
4-Chloro-3-methylphenol
Concen: 18.798 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 69582

Ion	Ratio	Lower	Upper
107	100		
144	26.6	19.1	28.7
142	80.0	58.6	87.8





#37
2-Methylnaphthalene
Concen: 19.577 ng
RT: 12.689 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:142 Resp: 15344

Ion	Ratio	Lower	Upper
142	100		
141	84.1	68.9	103.3
115	35.5	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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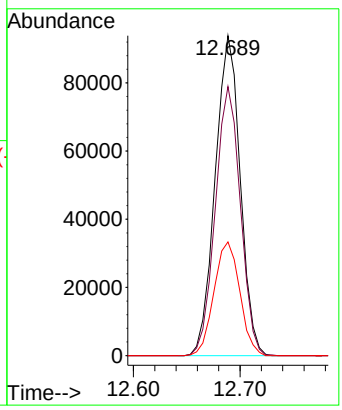
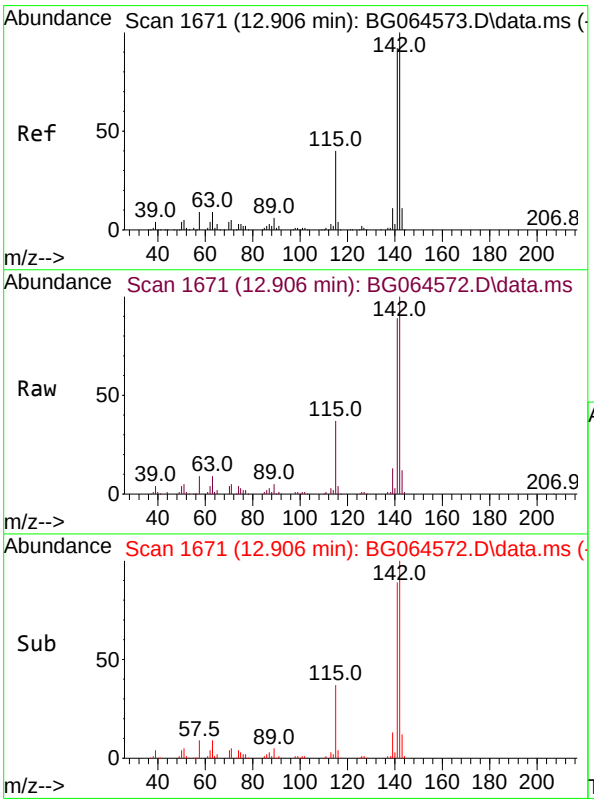
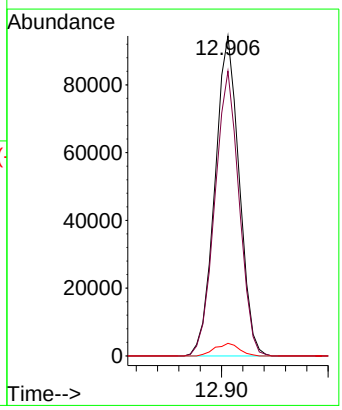


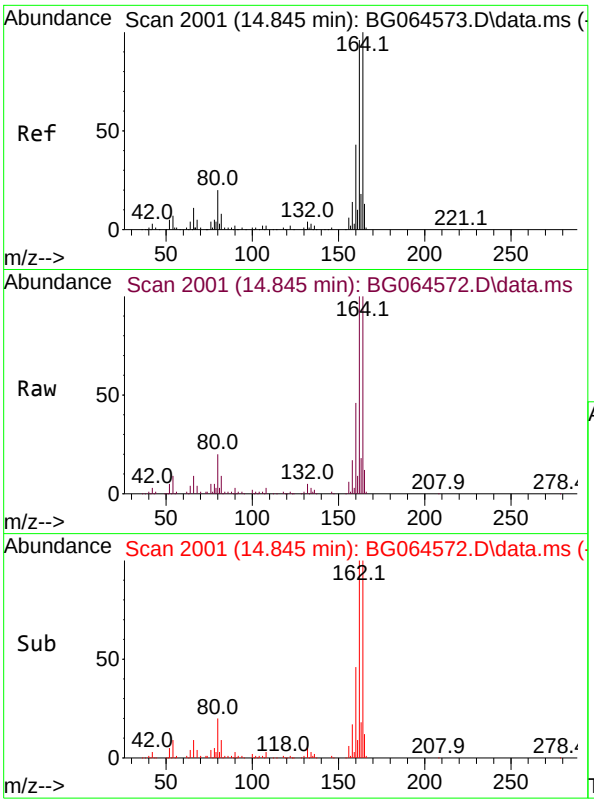


#38
1-Methylnaphthalene
Concen: 19.266 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:142 Resp: 149456

Ion	Ratio	Lower	Upper
142	100		
141	89.0	73.3	109.9
116	3.9	3.1	4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:164 Resp: 14752

Ion	Ratio	Lower	Upper
164	100		
162	99.6	77.0	115.6
160	45.6	34.4	51.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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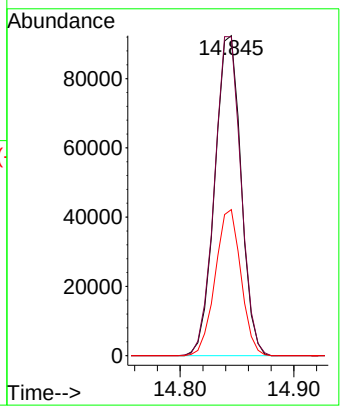
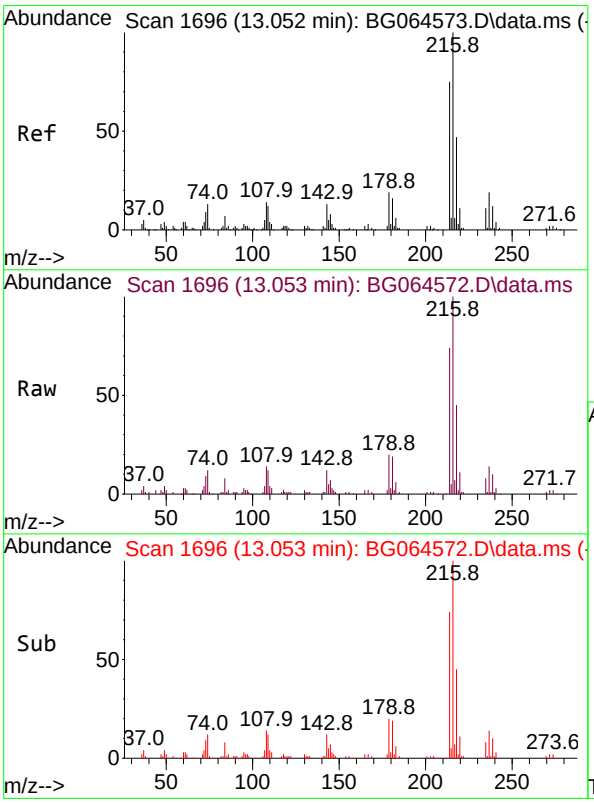
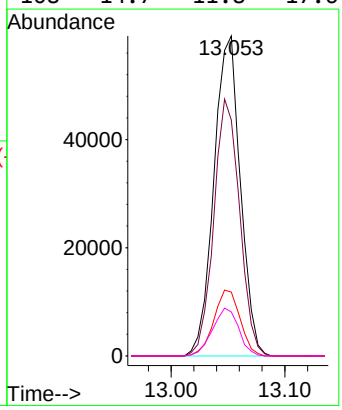


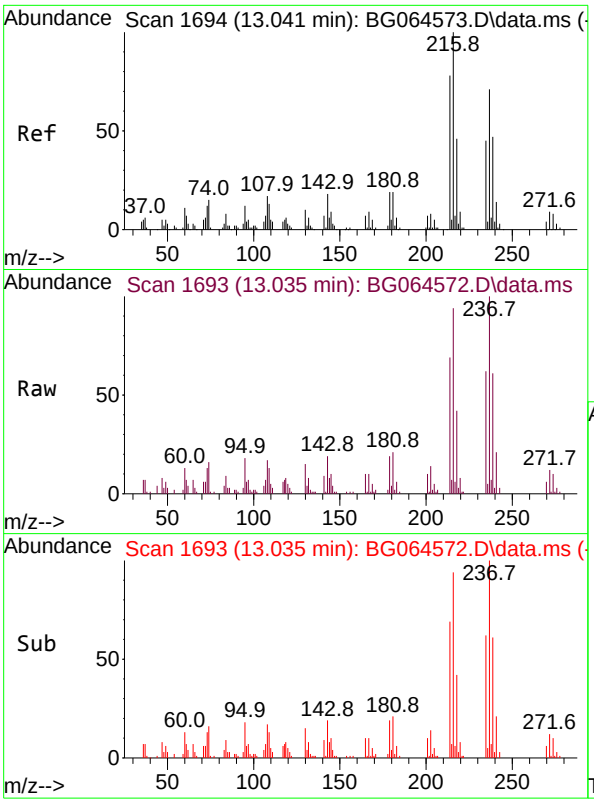


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.320 ng
RT: 13.053 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:216 Resp: 95653

Ion	Ratio	Lower	Upper
216	100		
214	78.1	61.4	92.2
179	20.4	15.4	23.0
108	14.7	11.8	17.6





#41
Hexachlorocyclopentadiene
Concen: 18.479 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:237 Resp: 41178

Ion	Ratio	Lower	Upper
237	100		
235	61.9	44.1	84.1
272	11.7	0.0	32.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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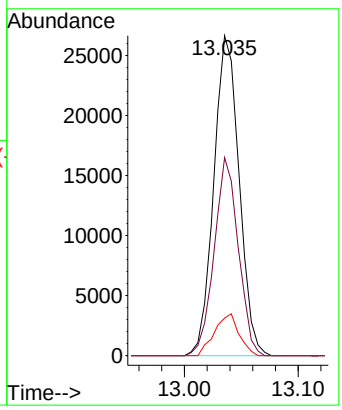
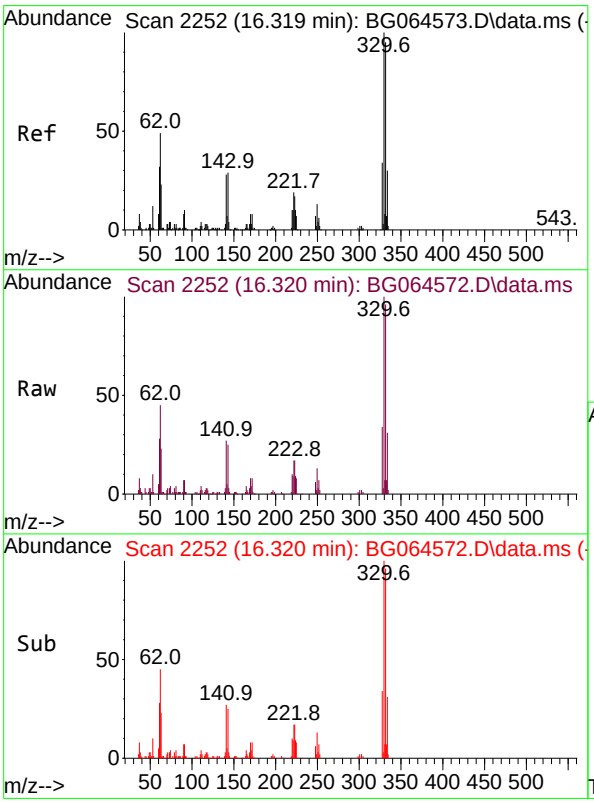
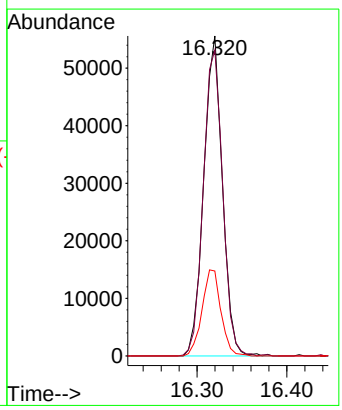


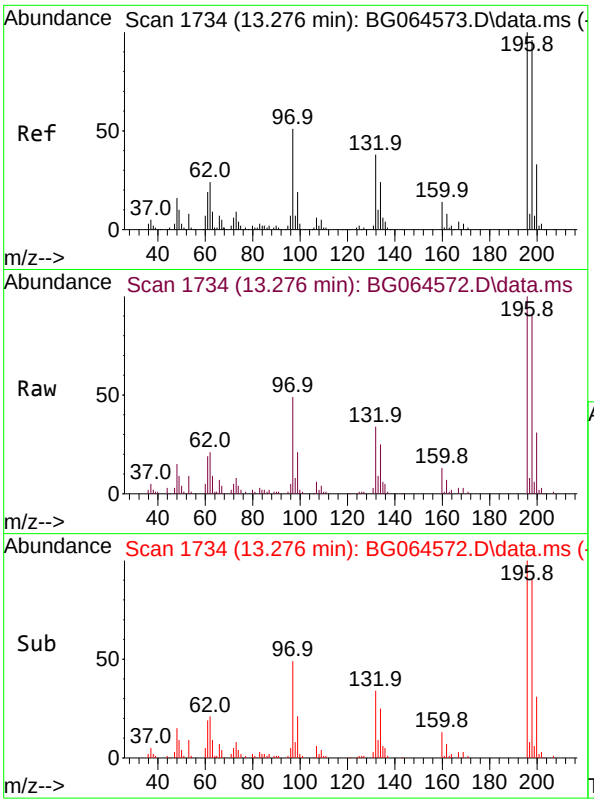


#42
2,4,6-Tribromophenol
Concen: 37.682 ng
RT: 16.320 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:330 Resp: 80231

Ion	Ratio	Lower	Upper
330	100		
332	99.2	78.0	117.0
141	27.2	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 19.525 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:196 Resp: 5529

Ion	Ratio	Lower	Upper
196	100		
198	90.9	76.6	115.0
200	30.7	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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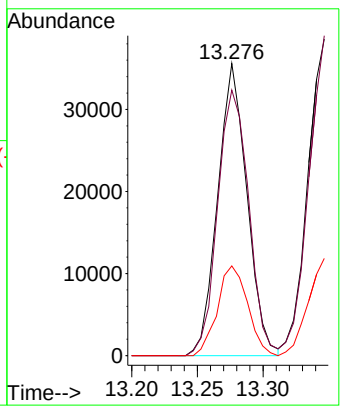
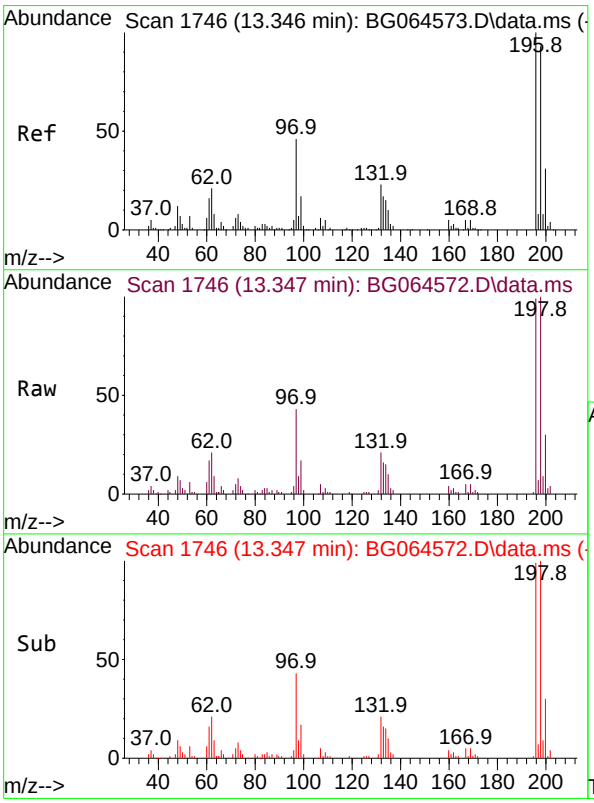
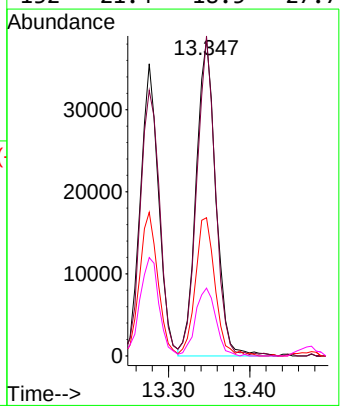


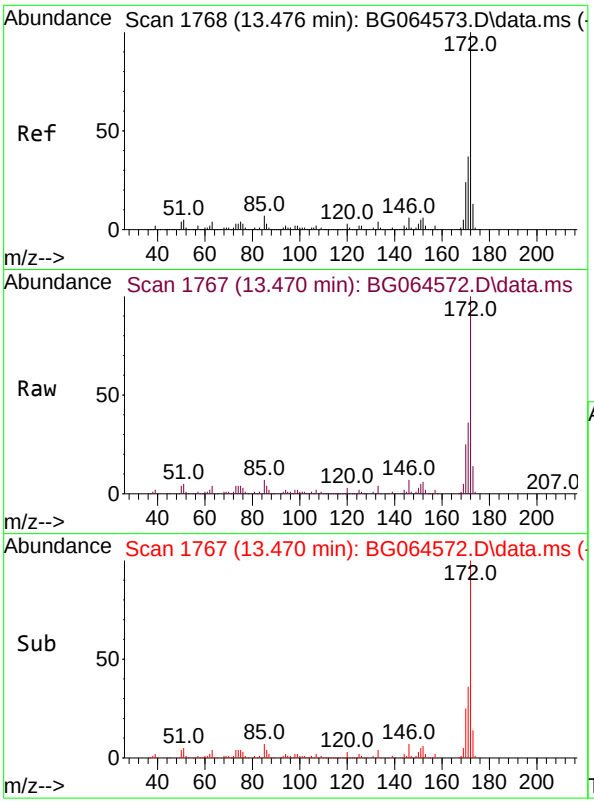


#44
2,4,5-Trichlorophenol
Concen: 19.814 ng
RT: 13.347 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:196 Resp: 64753

Ion	Ratio	Lower	Upper
196	100		
198	101.1	74.2	111.4
97	43.6	37.0	55.6
132	21.4	18.5	27.7





#45
2-Fluorobiphenyl
Concen: 39.584 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:172 Resp: 38525

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.7	19.1	28.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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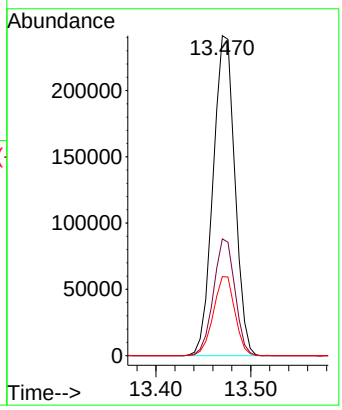
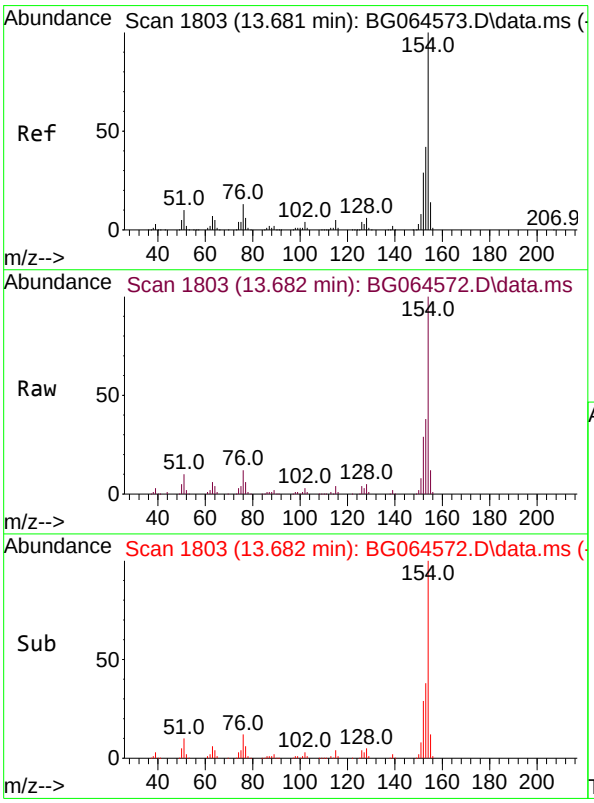
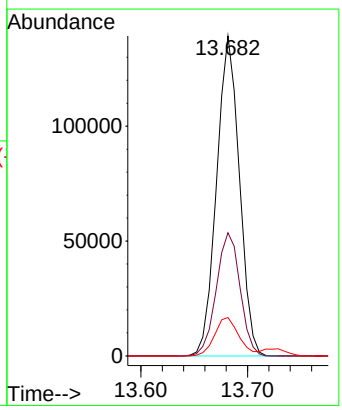


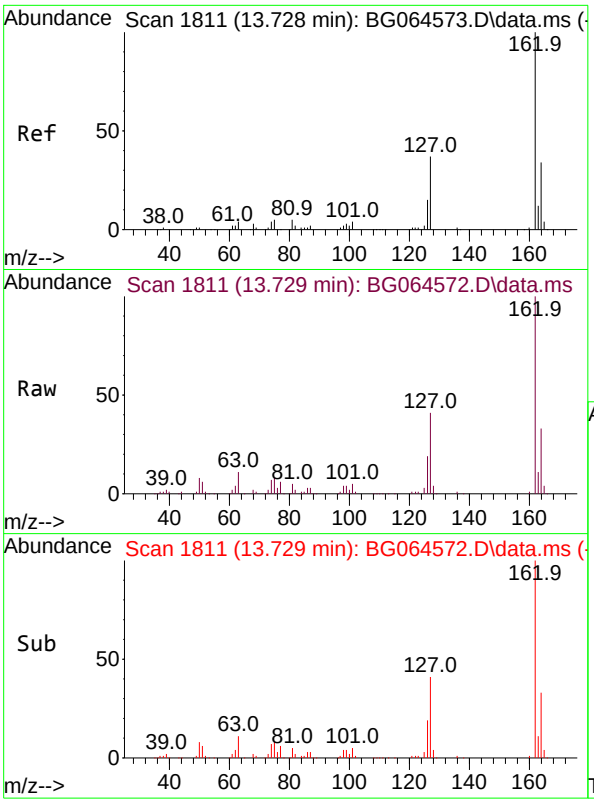


#46
1,1'-Biphenyl
Concen: 19.705 ng
RT: 13.682 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:154 Resp: 206656

Ion	Ratio	Lower	Upper
154	100		
153	38.5	22.4	62.4
76	12.0	0.0	33.5





#47
2-Chloronaphthalene
Concen: 19.625 ng
RT: 13.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:162 Resp: 155356

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.2	48.2
164	33.2	27.5	41.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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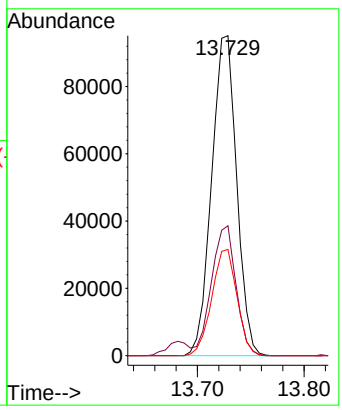
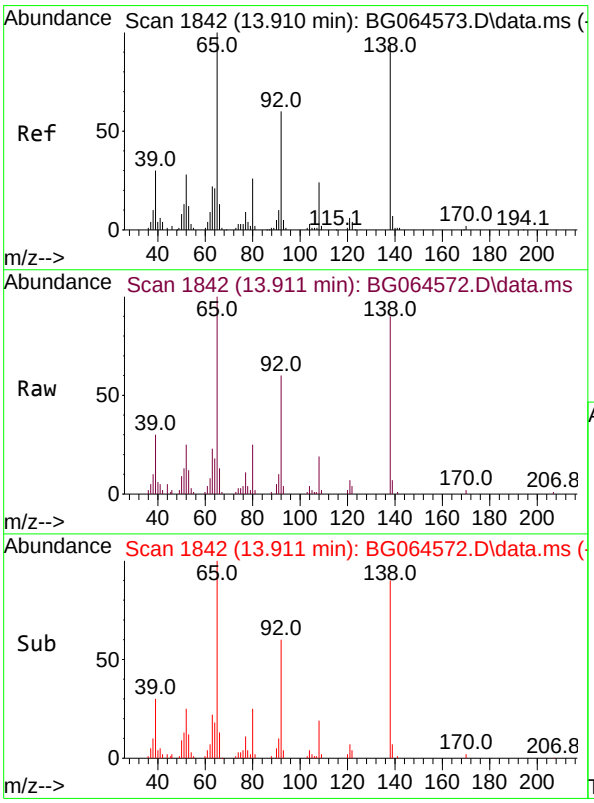
Supervised By :mohammad ahmed 11/05/2025

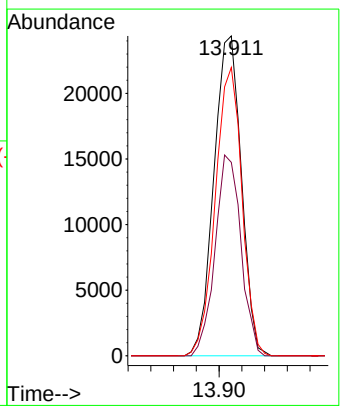


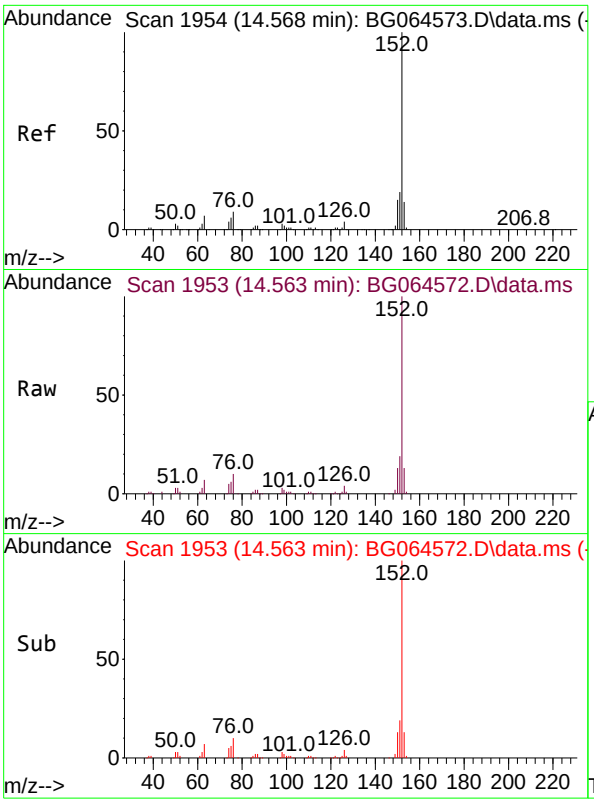


#48
2-Nitroaniline
Concen: 17.565 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 65 Resp: 40854

Ion	Ratio	Lower	Upper
65	100		
92	60.5	48.3	72.5
138	90.1	74.9	112.3





#49
Acenaphthylene
Concen: 19.454 ng
RT: 14.563 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:152 Resp: 242914

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.4	23.2
153	12.9	11.0	16.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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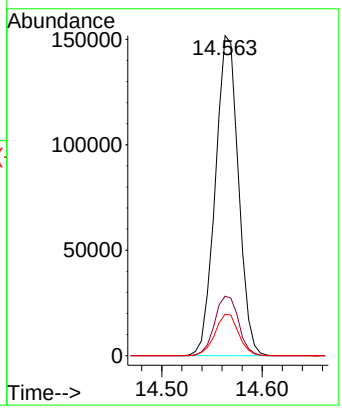
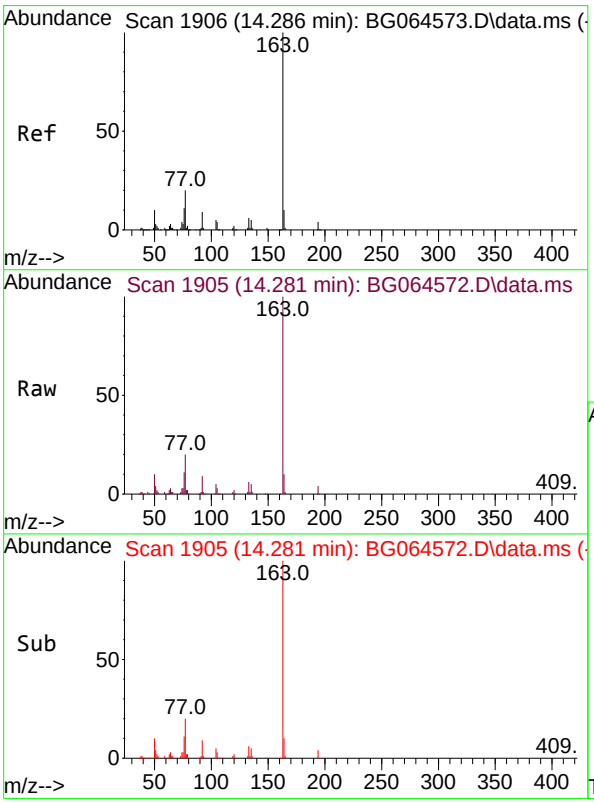
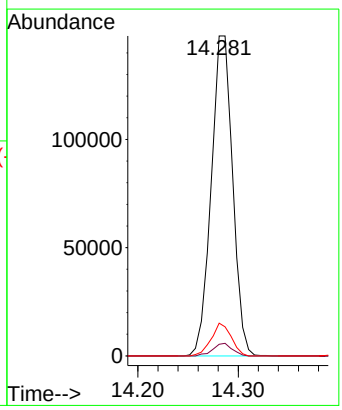


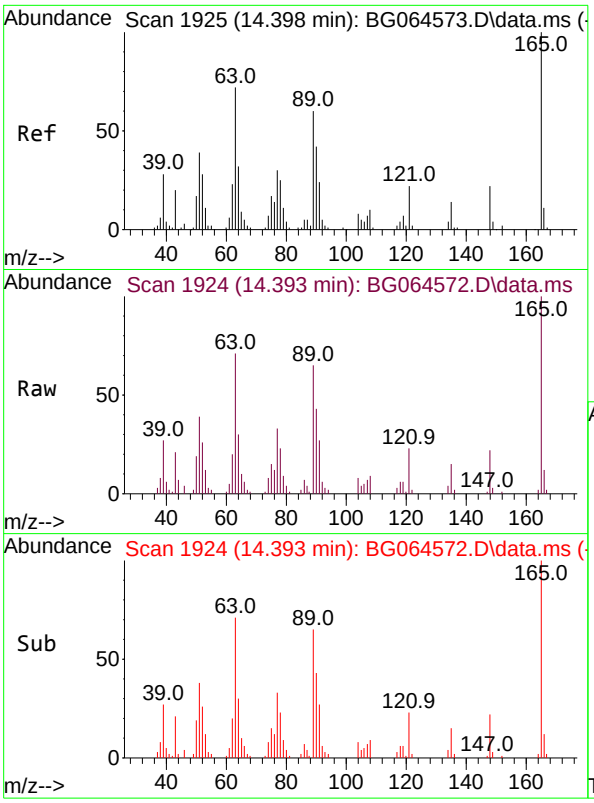


#50
Dimethylphthalate
Concen: 19.452 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:163 Resp: 219575

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.2	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 17.440 ng
RT: 14.393 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:165 Resp: 2842

Ion	Ratio	Lower	Upper
165	100		
63	70.8	57.4	86.0
89	65.5	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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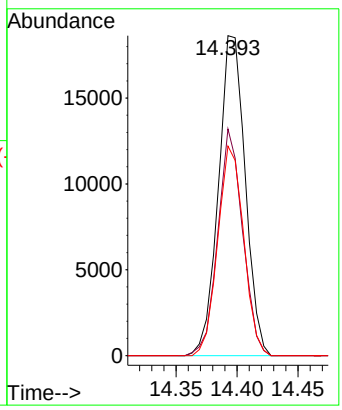
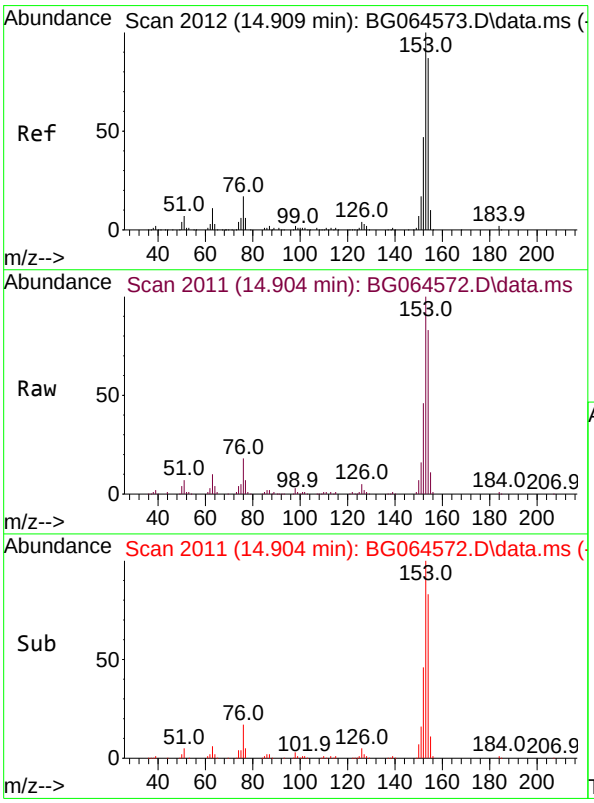
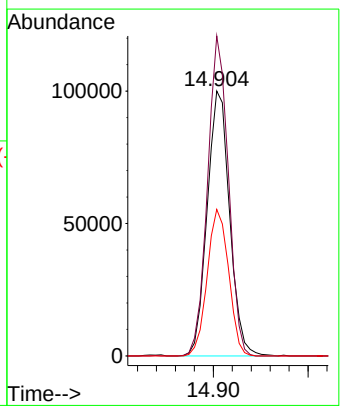


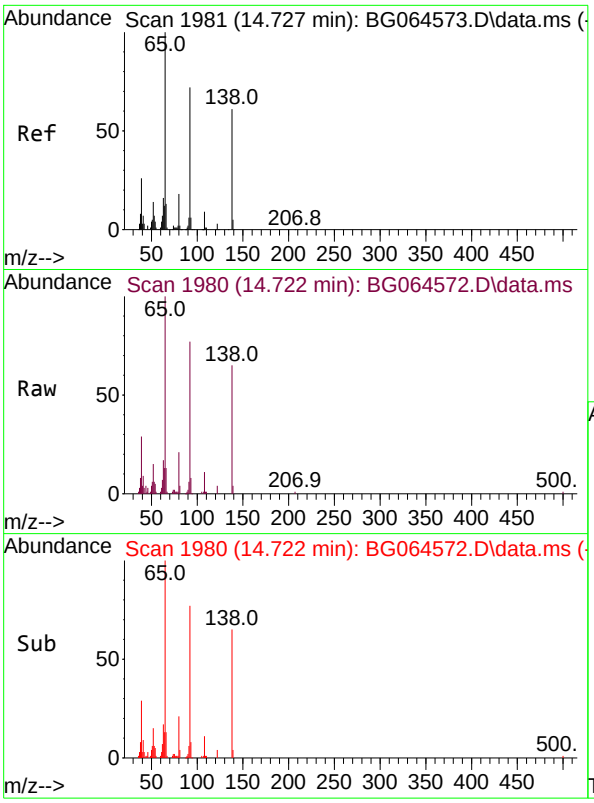


#52
Acenaphthene
Concen: 19.287 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:154 Resp: 164542

Ion	Ratio	Lower	Upper
154	100		
153	120.8	92.2	138.4
152	55.3	43.2	64.8





#53
3-Nitroaniline
Concen: 19.193 ng
RT: 14.722 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:138 Resp: 37234

Ion	Ratio	Lower	Upper
138	100		
108	17.6	11.4	17.0#
92	118.5	95.3	142.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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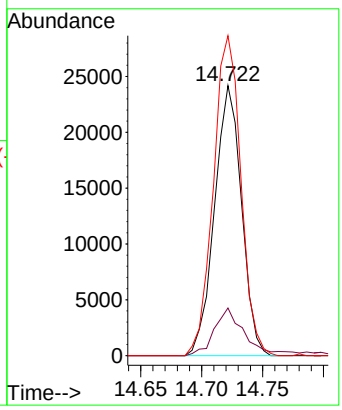
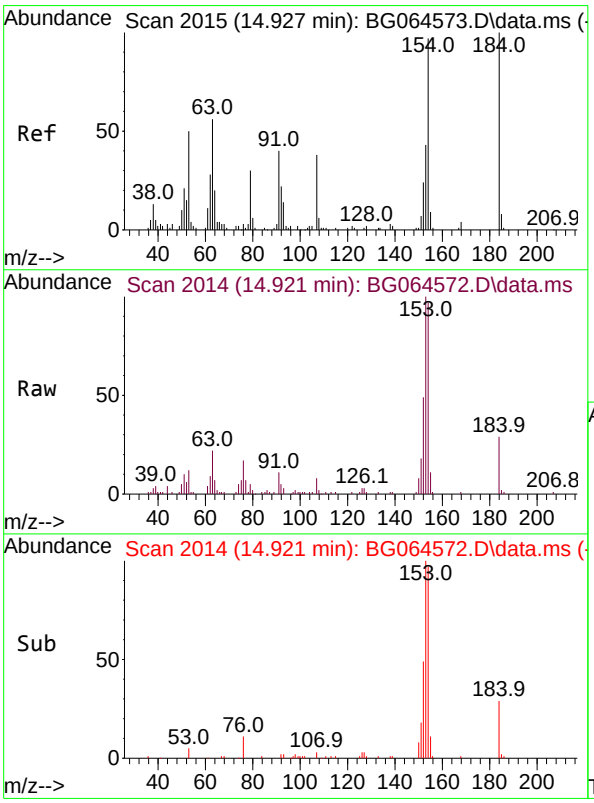
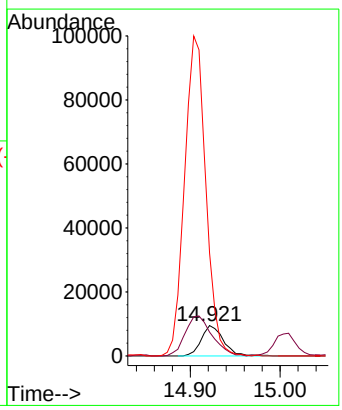


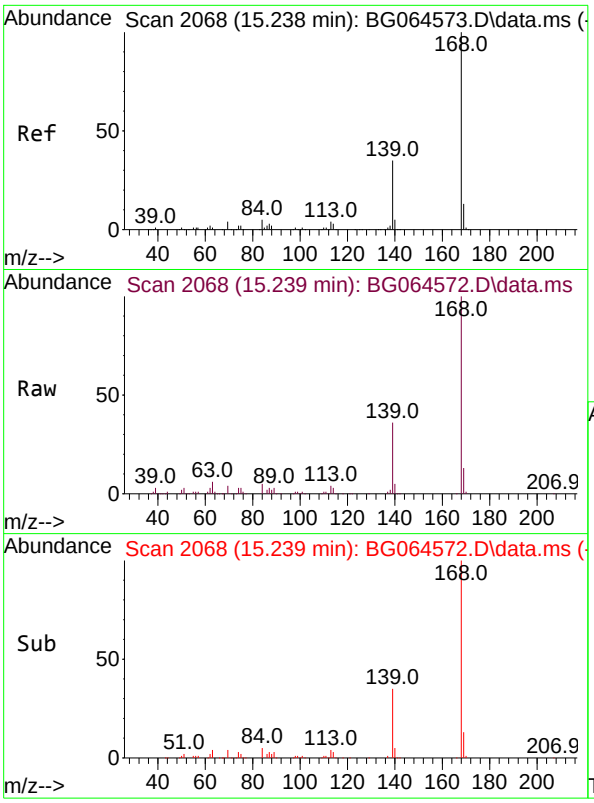


#54
2,4-Dinitrophenol
Concen: 18.744 ng
RT: 14.921 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:184 Resp: 16182

Ion	Ratio	Lower	Upper
184	100		
63	78.3	56.6	85.0
154	339.0	158.6	238.0#





#55
Dibenzofuran
Concen: 19.534 ng
RT: 15.239 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:168 Resp: 269419

Ion	Ratio	Lower	Upper
168	100		
139	36.1	27.8	41.8
169	13.0	10.3	15.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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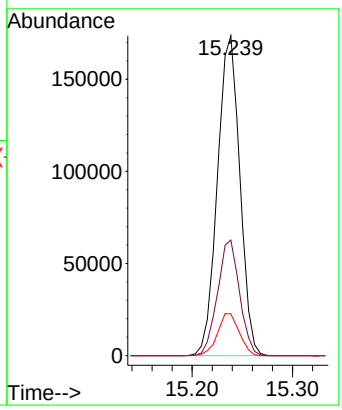
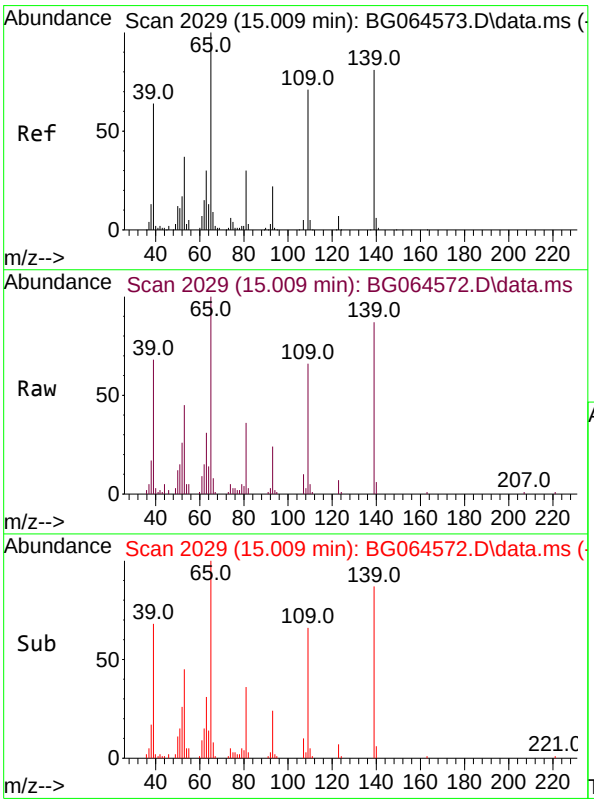
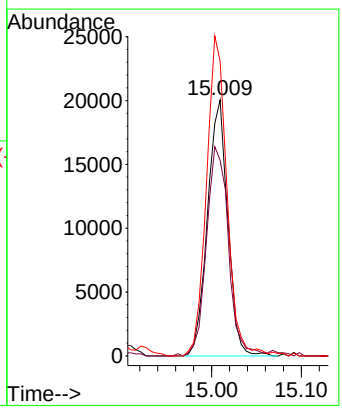


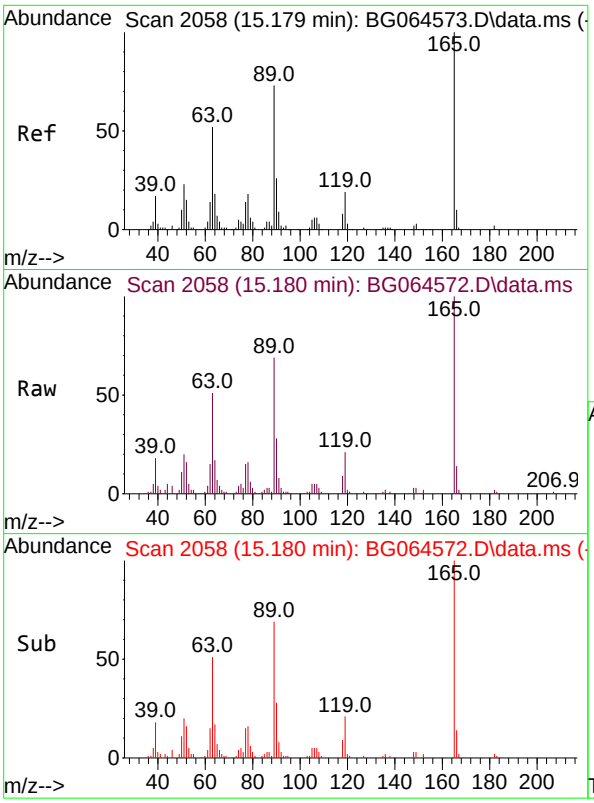


#56
4-Nitrophenol
Concen: 17.439 ng
RT: 15.009 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:139 Resp: 31366

Ion	Ratio	Lower	Upper
139	100		
109	76.4	67.8	107.8
65	115.0	103.7	143.7





#57
2,4-Dinitrotoluene
Concen: 17.427 ng
RT: 15.180 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:165 Resp: 4420

Ion	Ratio	Lower	Upper
165	100		
63	50.7	41.8	62.8
89	68.7	58.1	87.1
182	2.2	1.4	2.0#

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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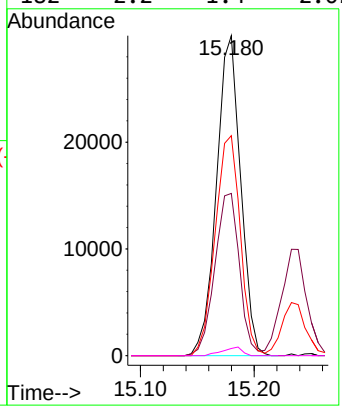
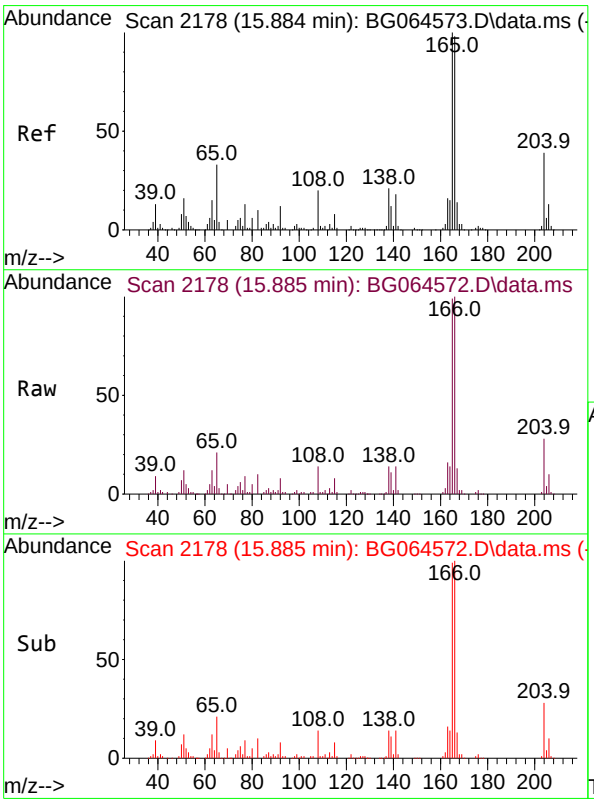
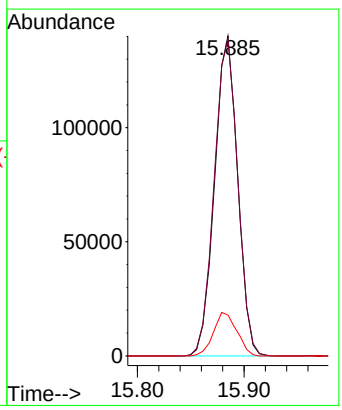


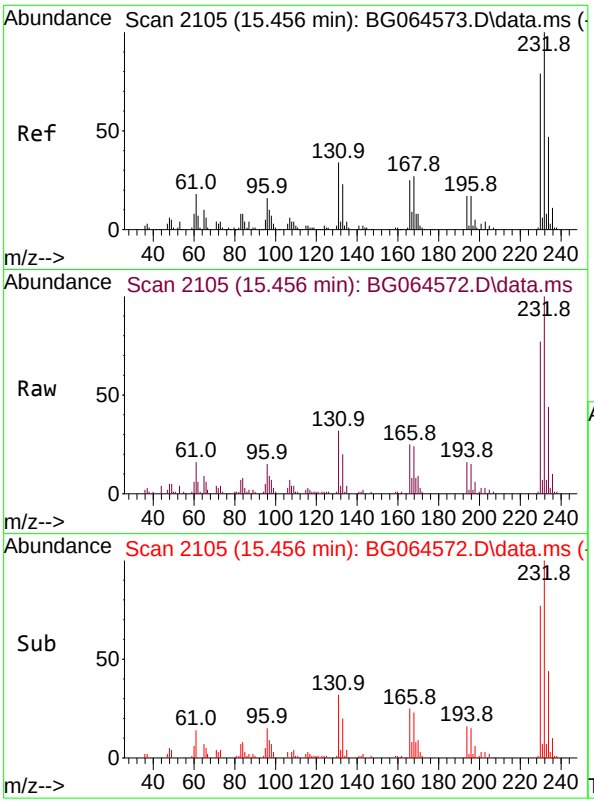


#58
Fluorene
Concen: 19.536 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:166 Resp: 210426

Ion	Ratio	Lower	Upper
166	100		
165	99.0	81.5	122.3
167	12.8	11.4	17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 18.980 ng
RT: 15.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:232 Resp: 5931

Ion	Ratio	Lower	Upper
232	100		
131	32.5	26.7	40.1
130	1.8	1.6	2.4
166	25.9	20.5	30.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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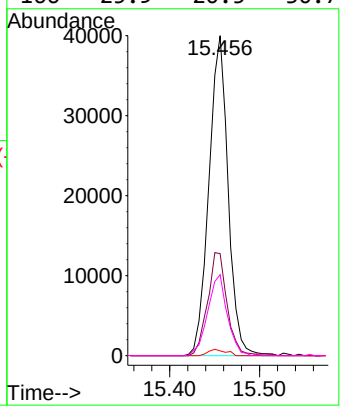
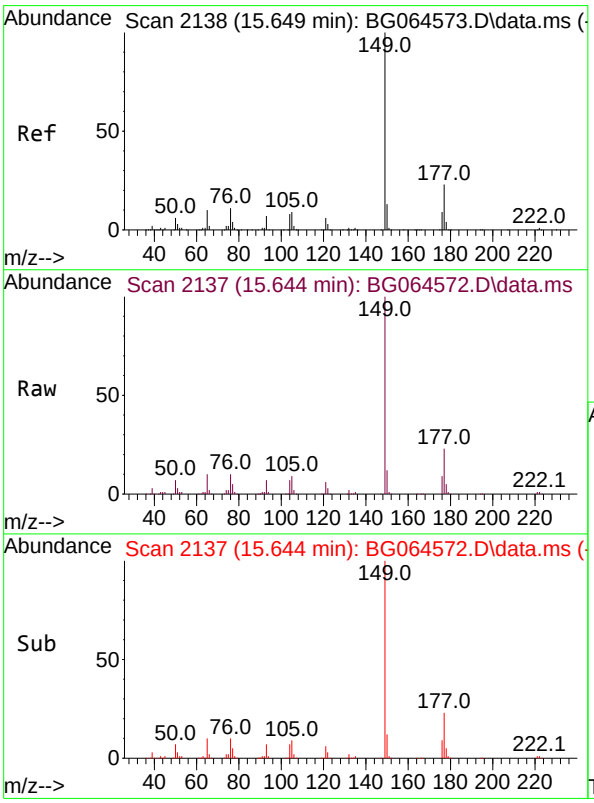
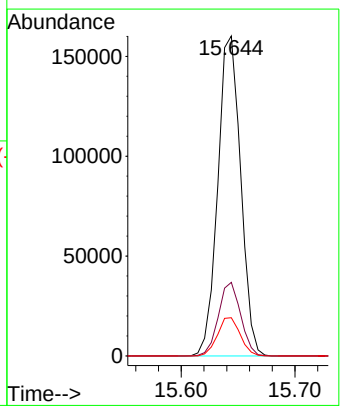


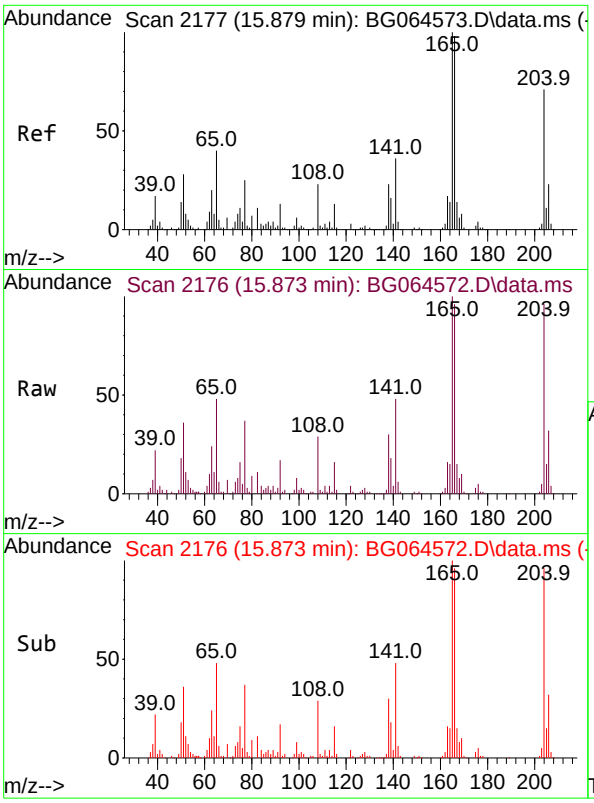


#60
Diethylphthalate
Concen: 19.382 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 223398

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.0	27.0
150	11.9	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 19.333 ng
RT: 15.873 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:204 Resp: 11686

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.6	38.4
141	49.7	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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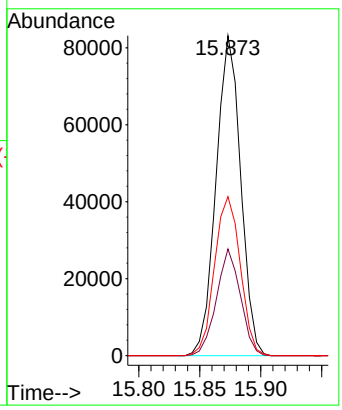
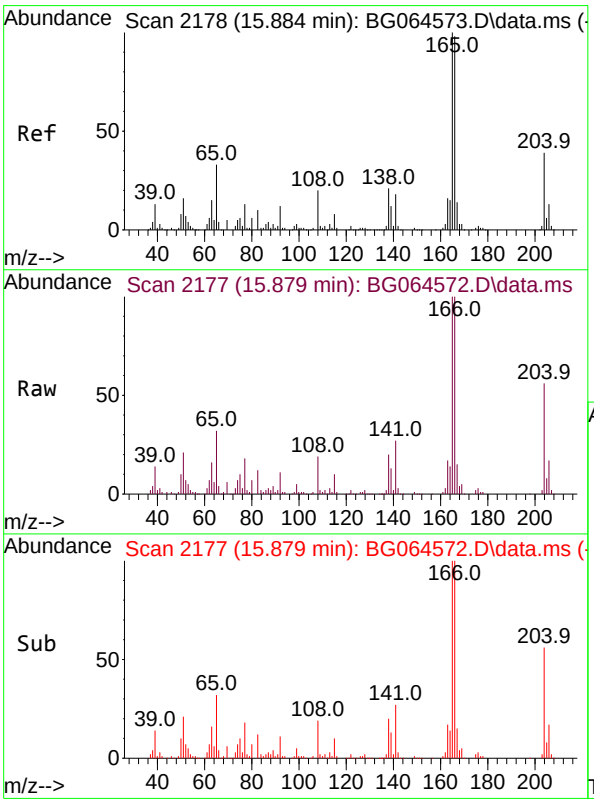
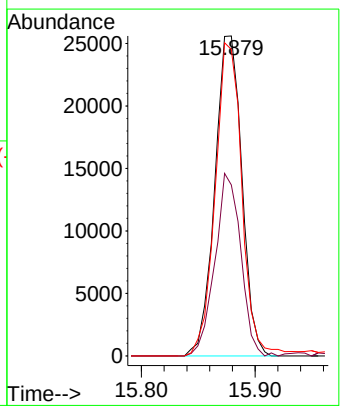


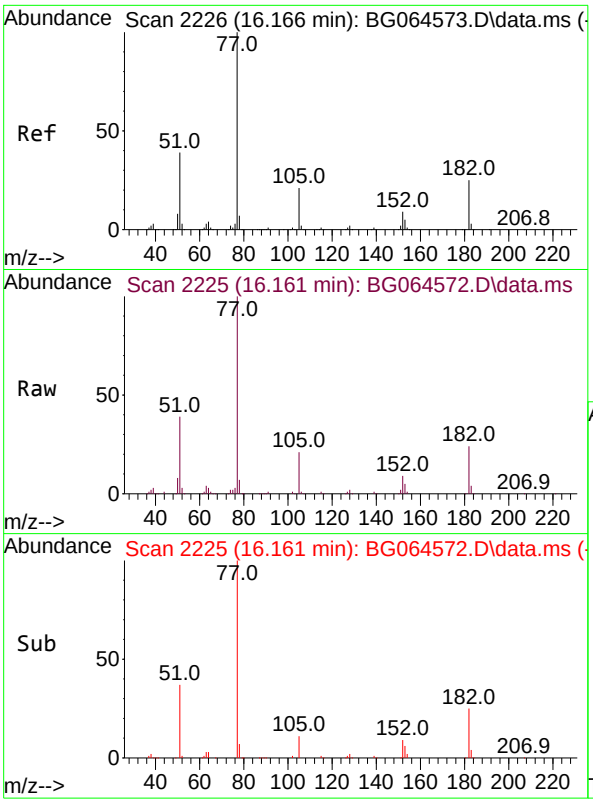


#62
4-Nitroaniline
Concen: 19.582 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:138 Resp: 42261

Ion	Ratio	Lower	Upper
138	100		
92	53.4	36.1	76.1
108	95.8	75.6	115.6

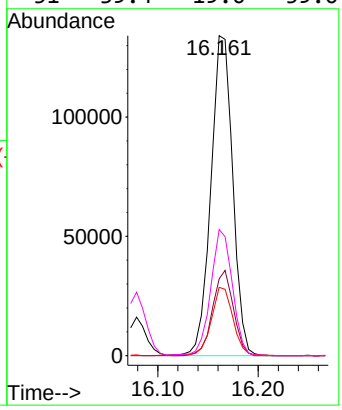




#63
Azobenzene
Concen: 19.205 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 20310

Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.9	44.9
105	21.3	1.3	41.3
51	39.4	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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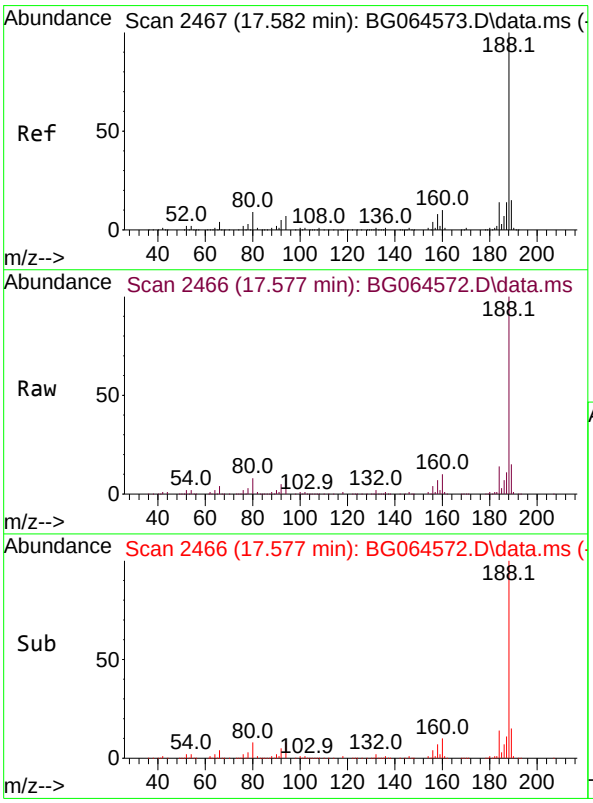
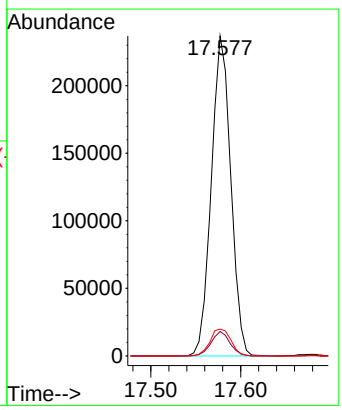
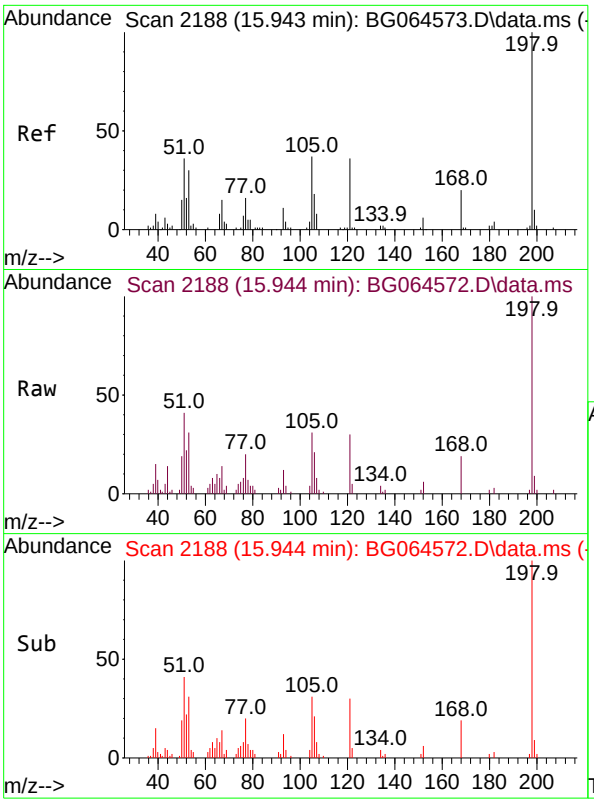


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:188 Resp: 357228

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.7	8.5
80	8.4	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 18.316 ng
RT: 15.944 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:198 Resp: 2284

Ion	Ratio	Lower	Upper
198	100		
51	41.3	24.7	64.7
105	30.8	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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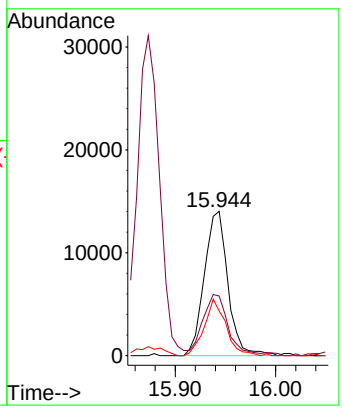
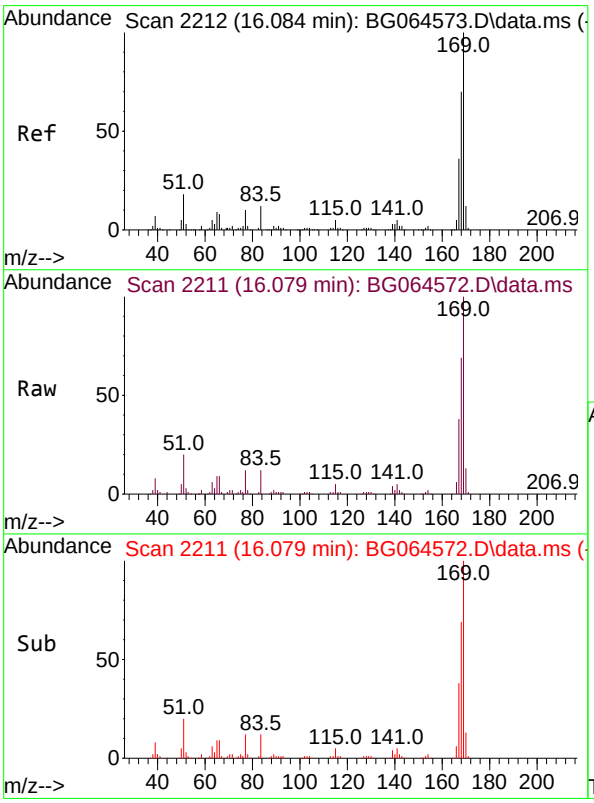
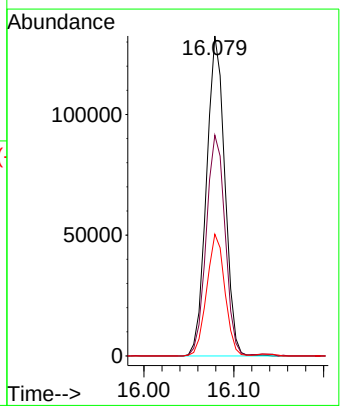


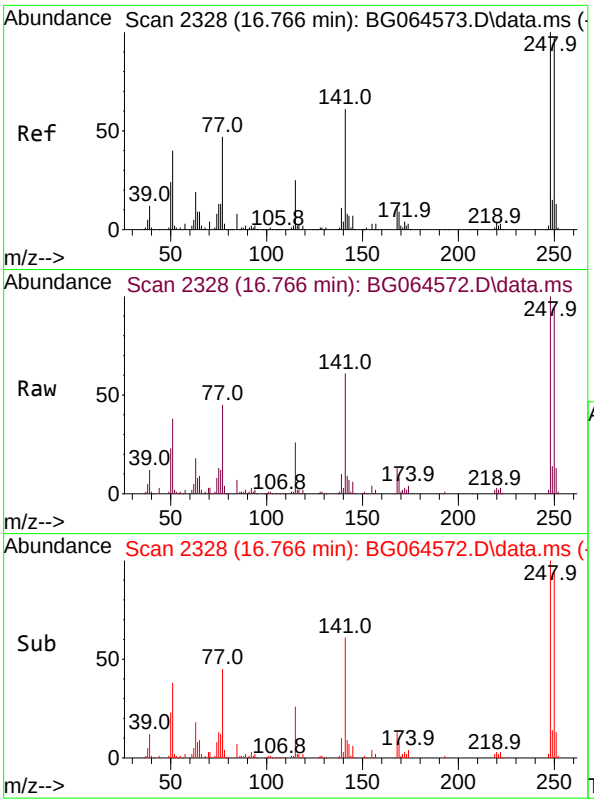


#66
n-Nitrosodiphenylamine
Concen: 19.437 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:169 Resp: 187560

Ion	Ratio	Lower	Upper
169	100		
168	69.0	56.3	84.5
167	38.0	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 19.444 ng
RT: 16.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:248 Resp: 8231

Ion	Ratio	Lower	Upper
248	100		
250	94.2	77.7	116.5
141	60.9	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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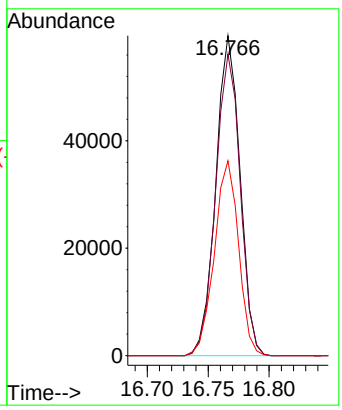
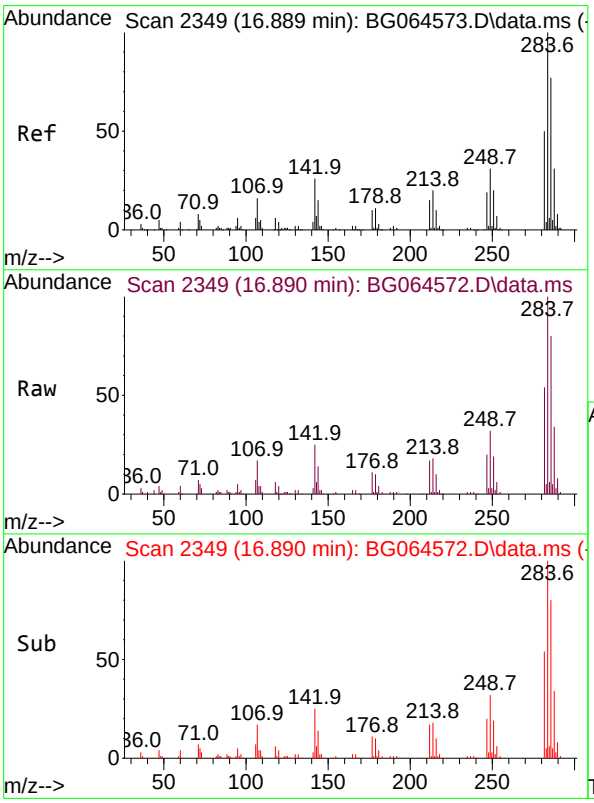
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

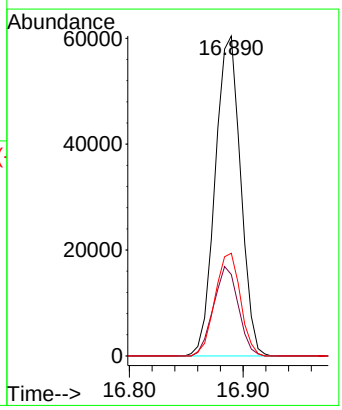


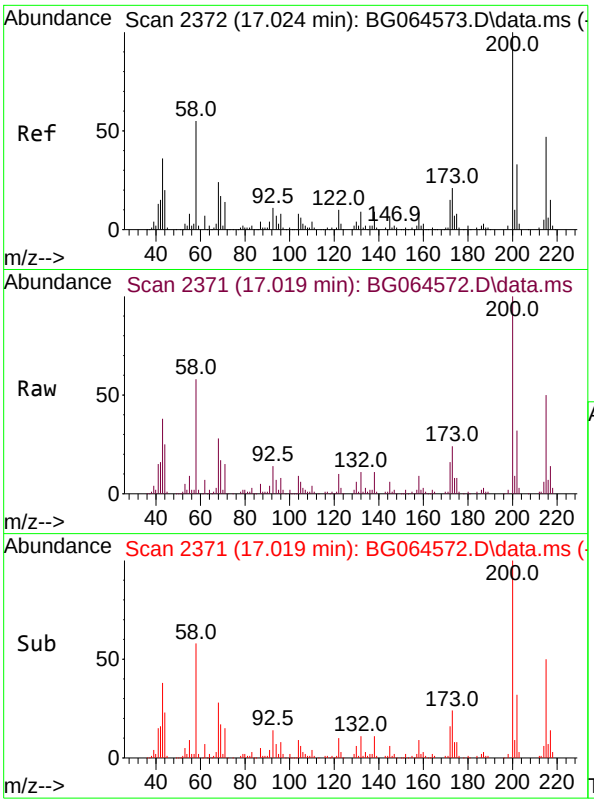


#68
Hexachlorobenzene
Concen: 19.391 ng
RT: 16.890 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:284 Resp: 93647

Ion	Ratio	Lower	Upper
284	100		
142	25.4	21.0	31.6
249	34.6	24.9	37.3





#69
Atrazine
Concen: 21.392 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:200 Resp: 8883

Ion	Ratio	Lower	Upper
200	100		
173	24.1	0.9	40.9
215	49.6	27.0	67.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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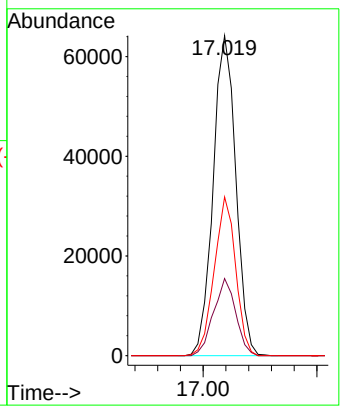
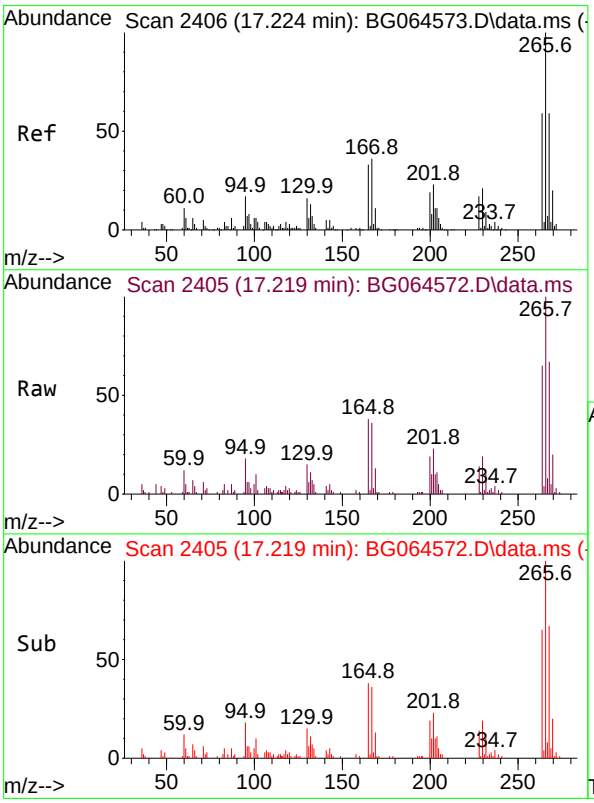
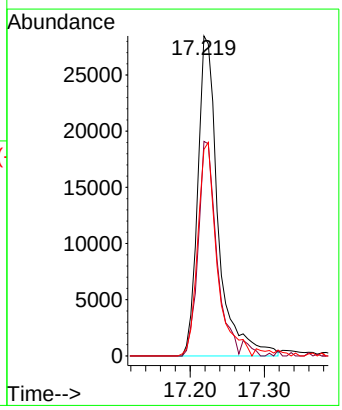


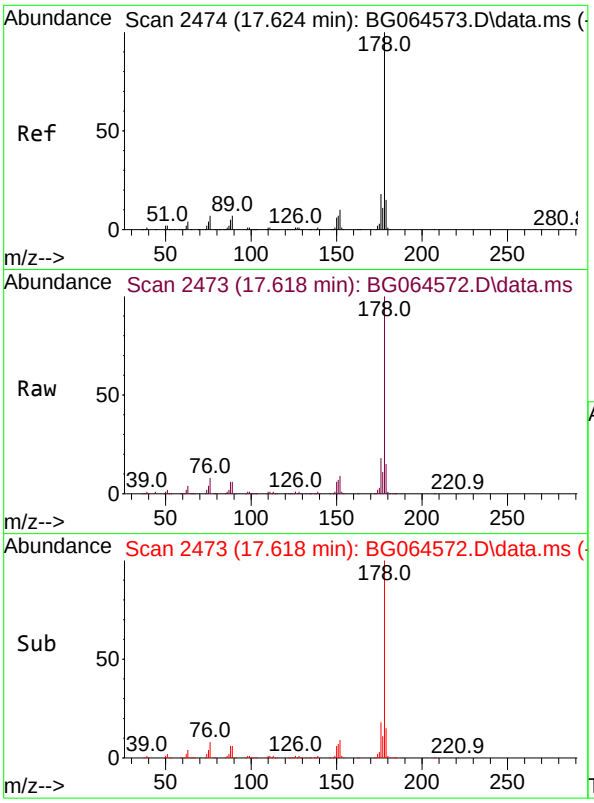


#70
Pentachlorophenol
Concen: 18.022 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:266 Resp: 54275

Ion	Ratio	Lower	Upper
266	100		
268	71.7	50.3	75.5
264	68.9	47.3	70.9





#71
Phenanthrene
Concen: 19.624 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:178 Resp: 383359

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	15.3	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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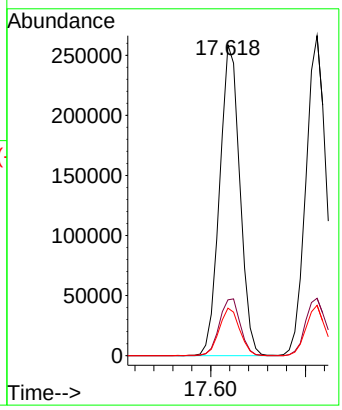
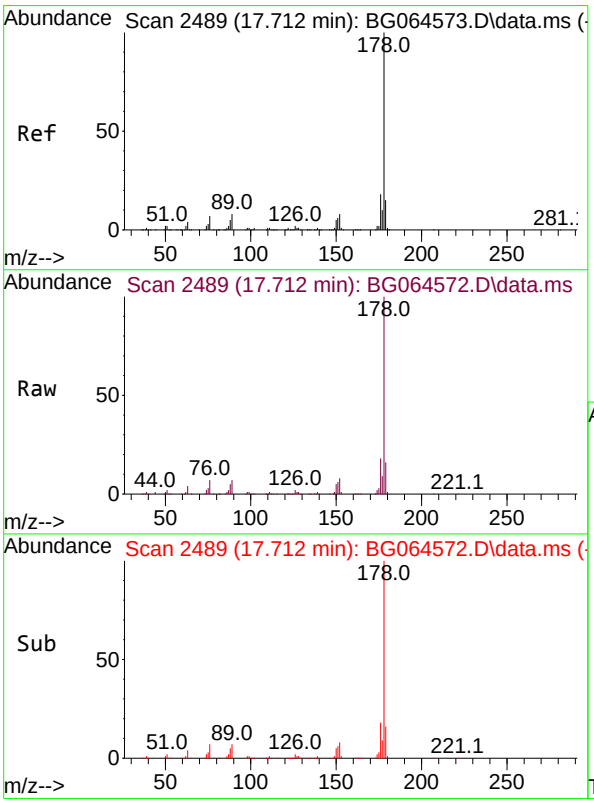
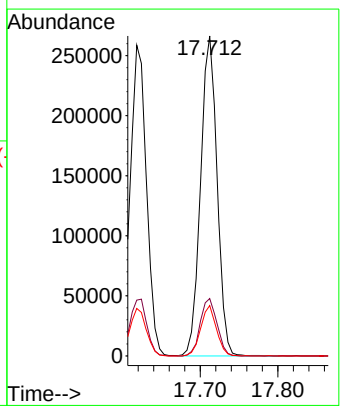


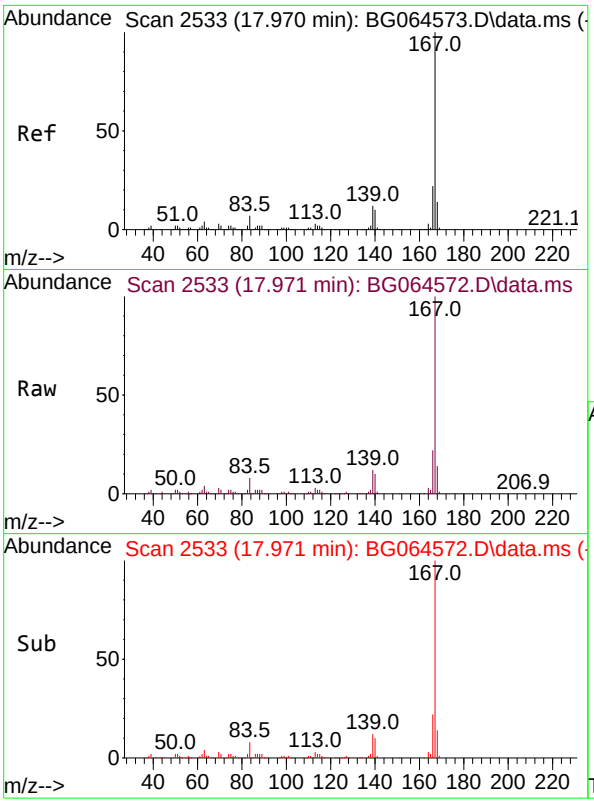


#72
Anthracene
Concen: 19.792 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:178 Resp: 393312

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.4	21.6
179	15.7	12.4	18.6





#73
Carbazole
Concen: 20.014 ng
RT: 17.971 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:167 Resp: 35072

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	11.9	9.7	14.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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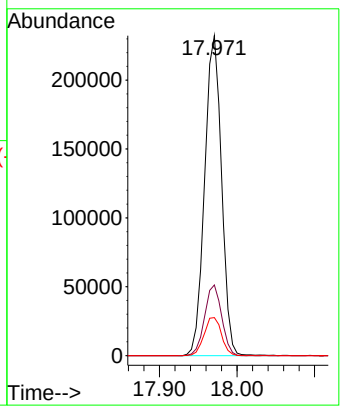
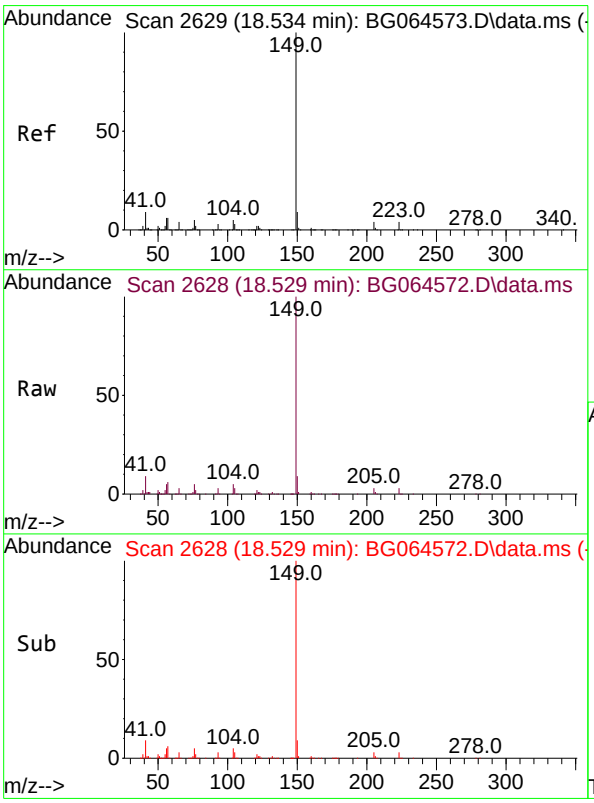
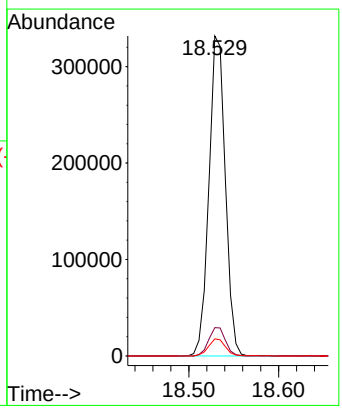


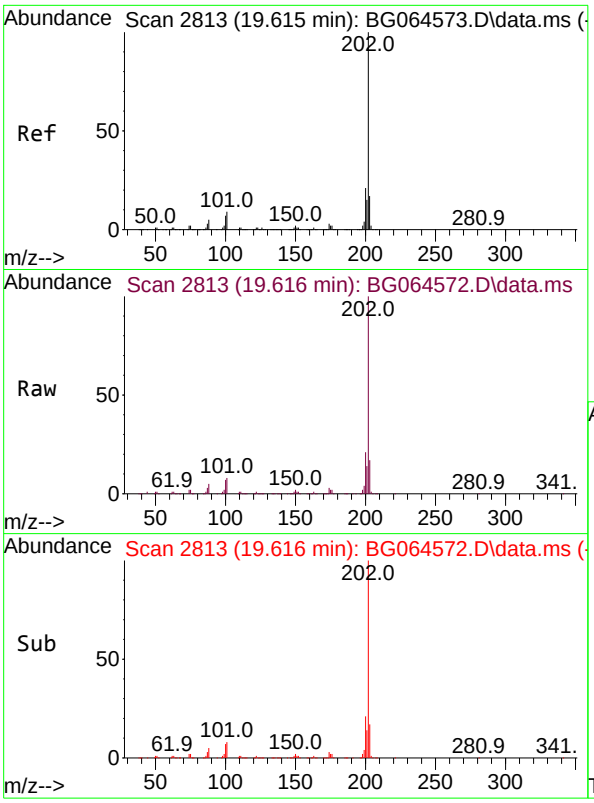


#74
Di-n-butylphthalate
Concen: 20.788 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 421239

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1





#75
Fluoranthene
Concen: 20.142 ng
RT: 19.616 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:202 Resp: 49292

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.7
203	17.0	0.0	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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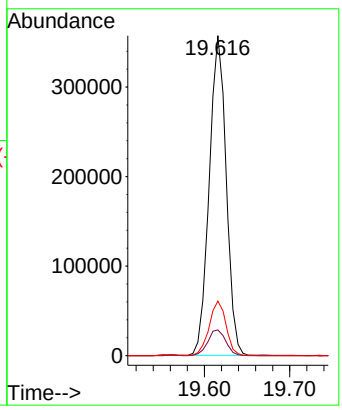
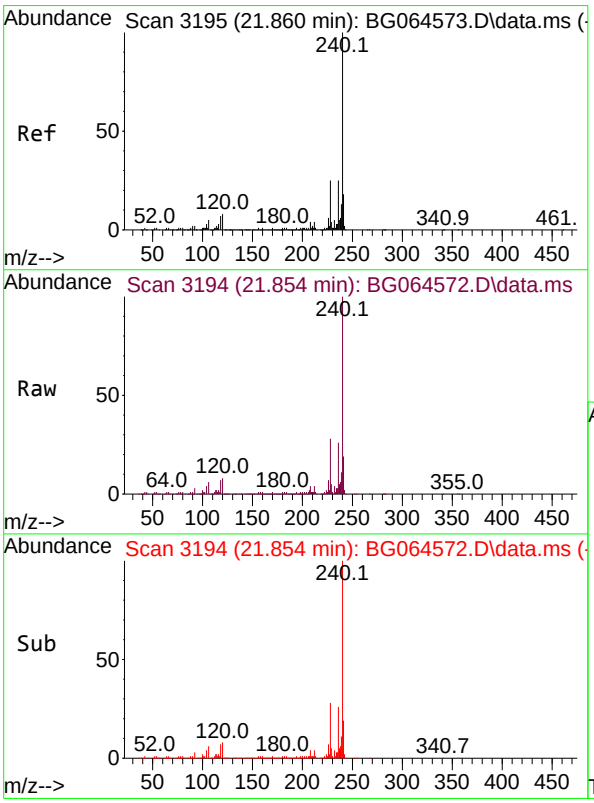
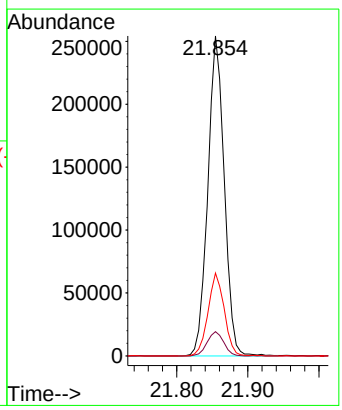


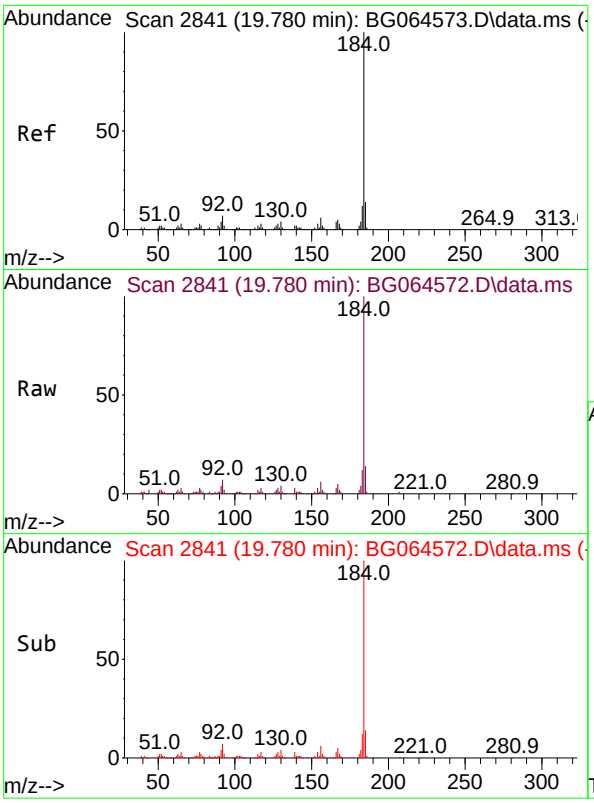


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:240 Resp: 408574

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.9	20.2	30.2





#77
Benzidine
Concen: 21.201 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:184 Resp: 194070

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.2
183	11.7	9.4	14.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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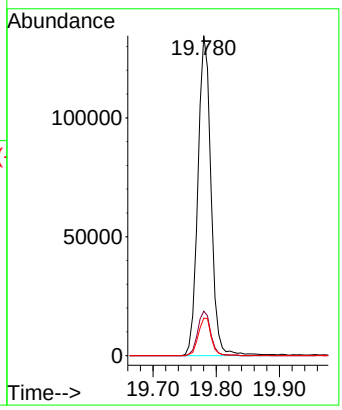
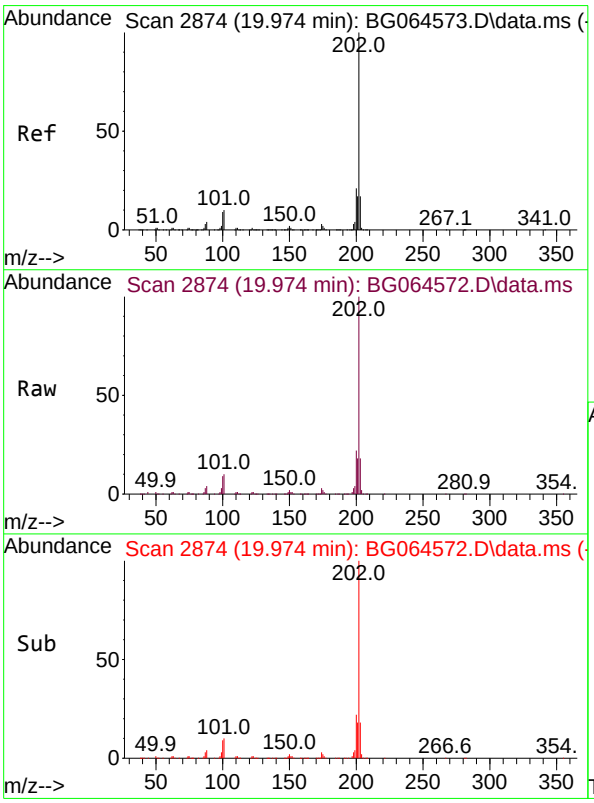
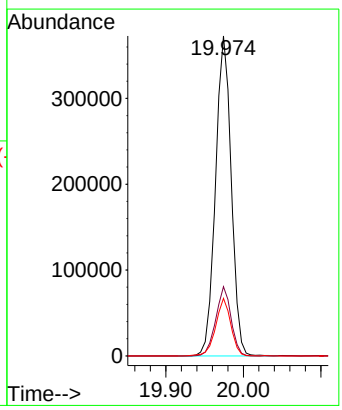


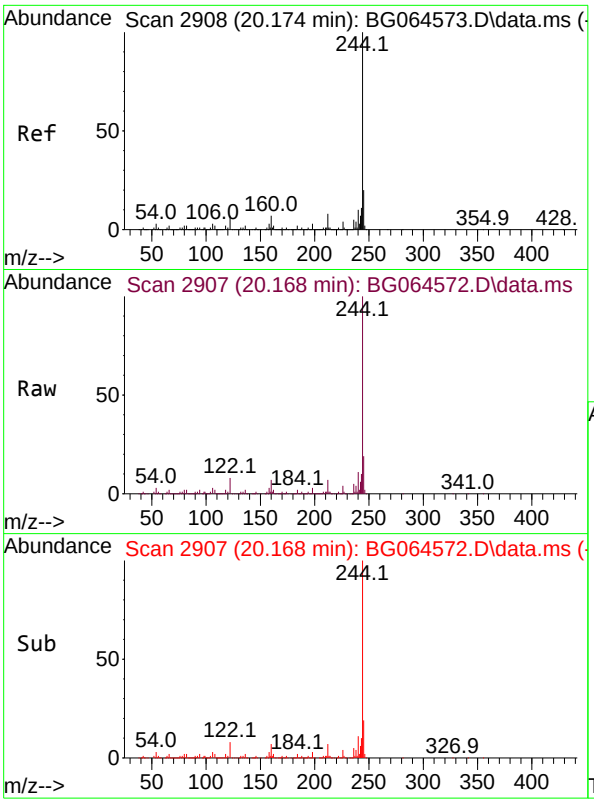


#78
Pyrene
Concen: 19.646 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:202 Resp: 524431

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	18.0	13.8	20.6





#79
Terphenyl-d14
Concen: 40.219 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:244 Resp: 87074

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	7.7	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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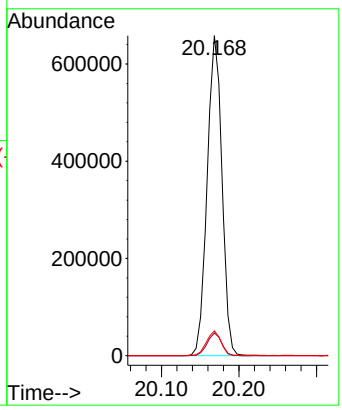
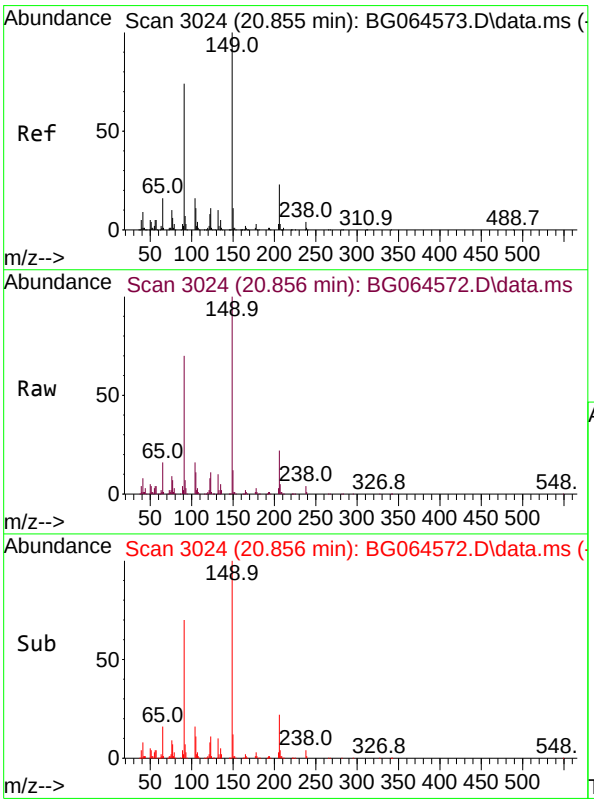
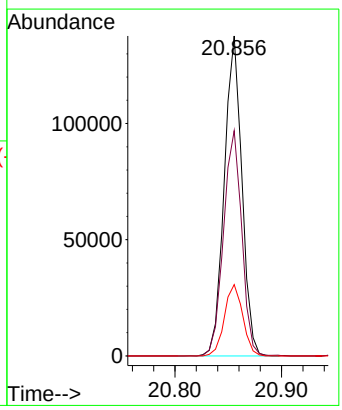


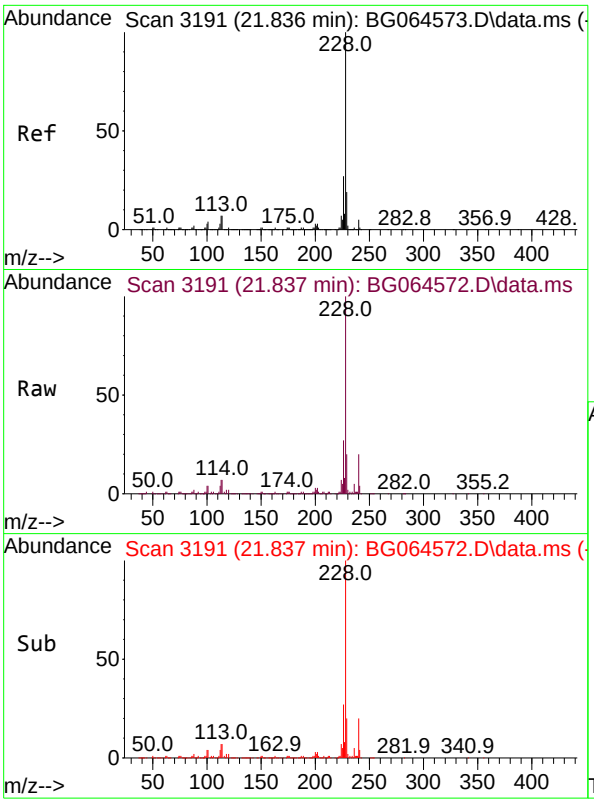


#80
Butylbenzylphthalate
Concen: 19.633 ng
RT: 20.856 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 158394

Ion	Ratio	Lower	Upper
149	100		
91	70.4	59.2	88.8
206	22.3	18.1	27.1





#81
Benzo(a)anthracene
Concen: 19.490 ng
RT: 21.837 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:228 Resp: 528009

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.7	15.6	23.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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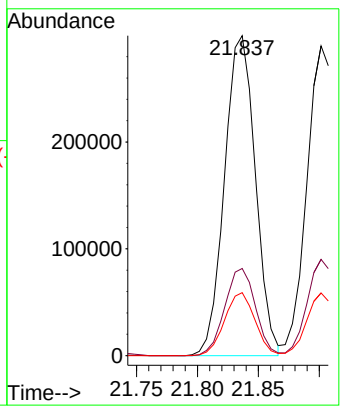
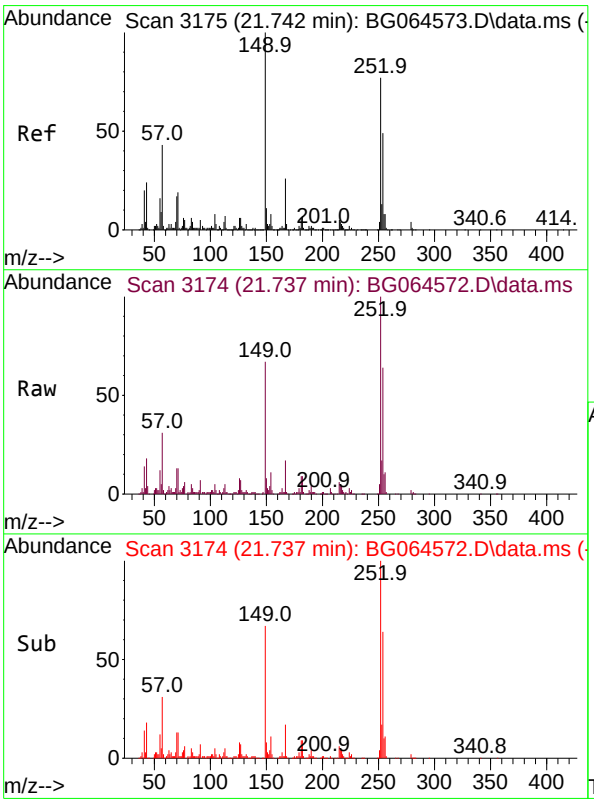
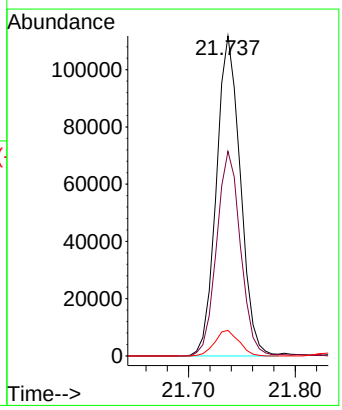


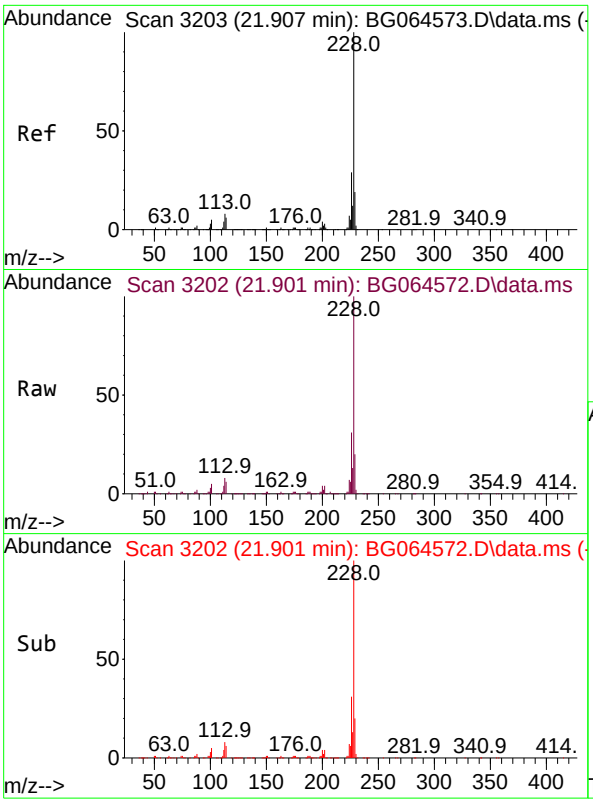


#82
3,3'-Dichlorobenzidine
Concen: 19.323 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 174803

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.8	76.2
126	8.0	5.8	8.6





#83
Chrysene
Concen: 19.479 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:228 Resp: 50212

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.3	34.9
229	20.2	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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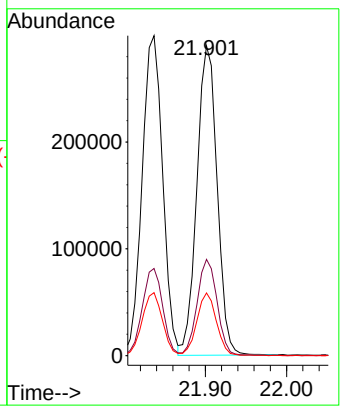
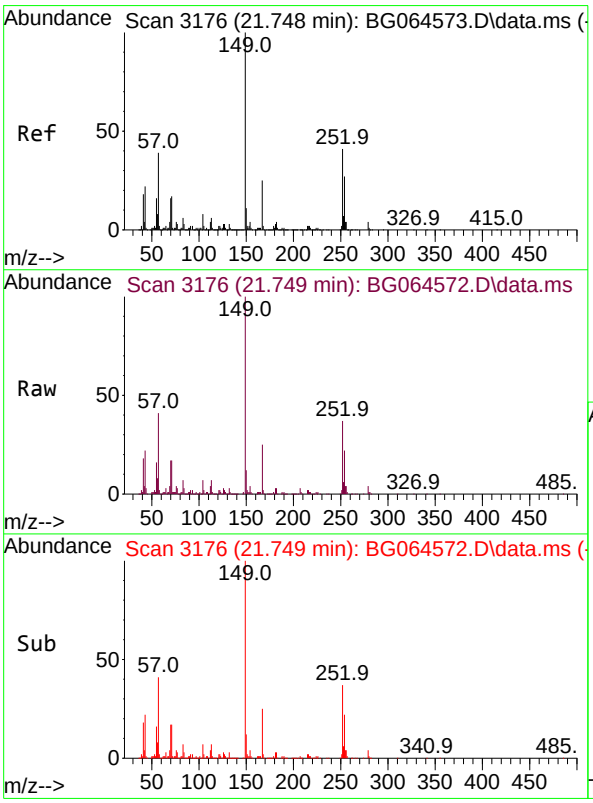
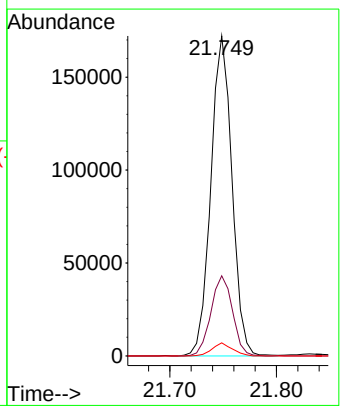


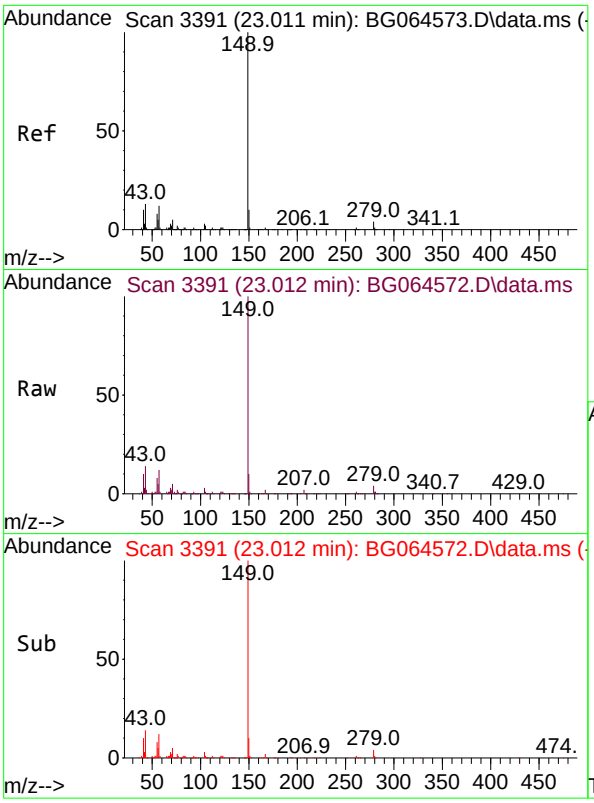


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.703 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 237524

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.0	30.0
279	4.1	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 18.740 ng
RT: 23.012 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 38089

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	14.0	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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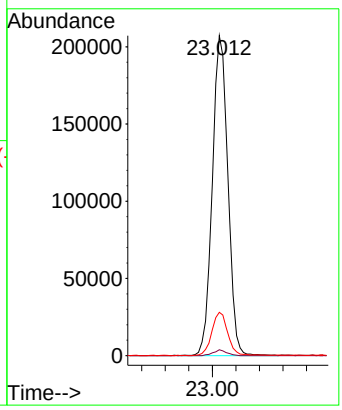
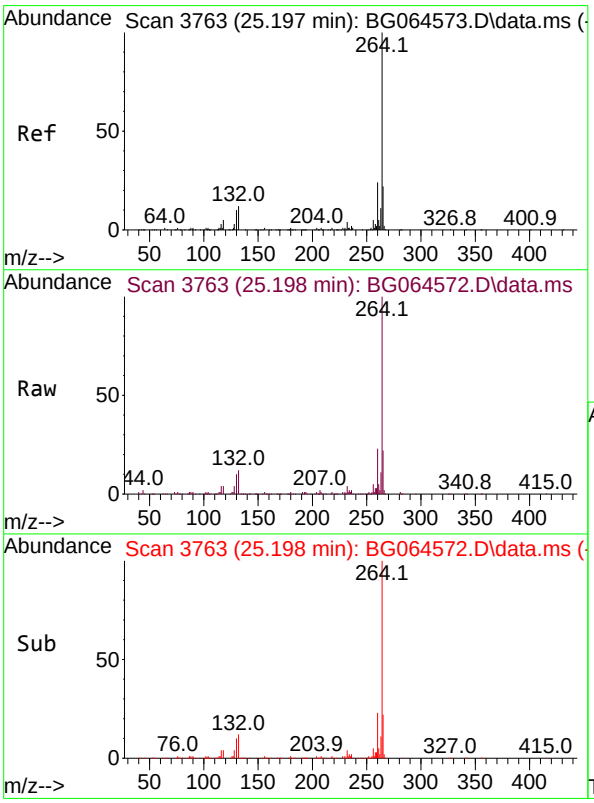
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

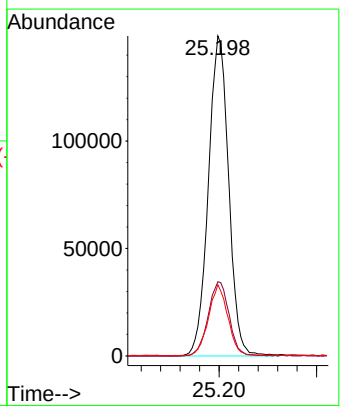


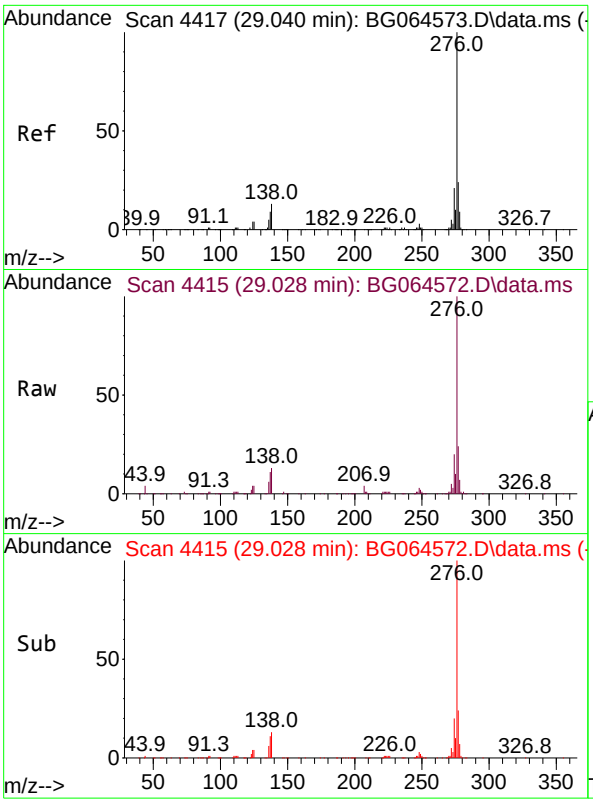


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:264 Resp: 430370

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	22.2	17.6	26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.163 ng
RT: 29.028 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

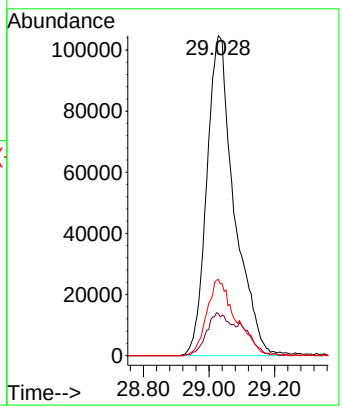
Tgt Ion:276 Resp: 606702

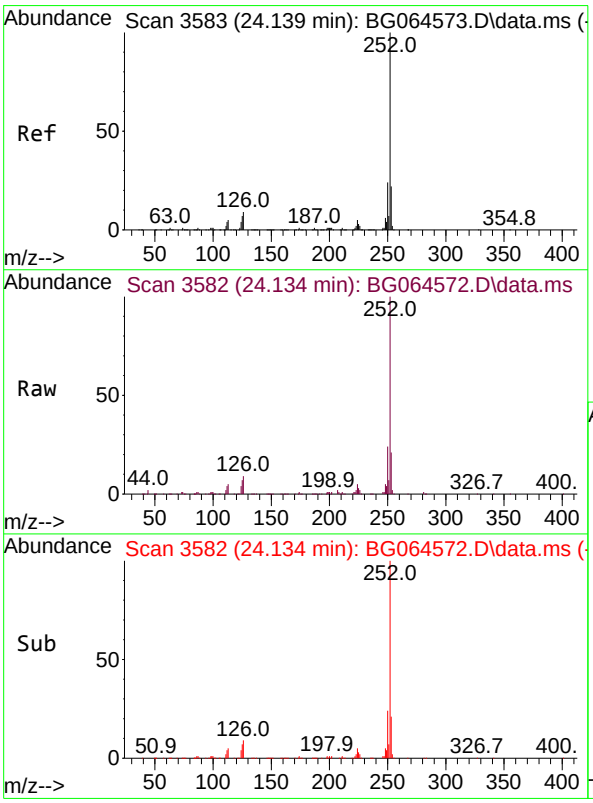
Ion	Ratio	Lower	Upper
276	100		
138	12.0	10.8	16.2
277	25.1	20.1	30.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

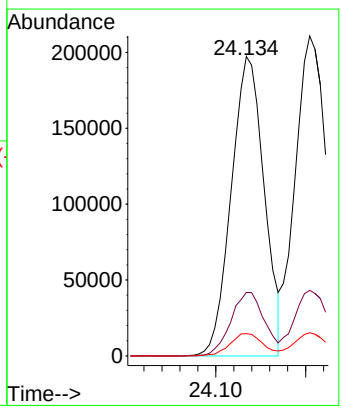


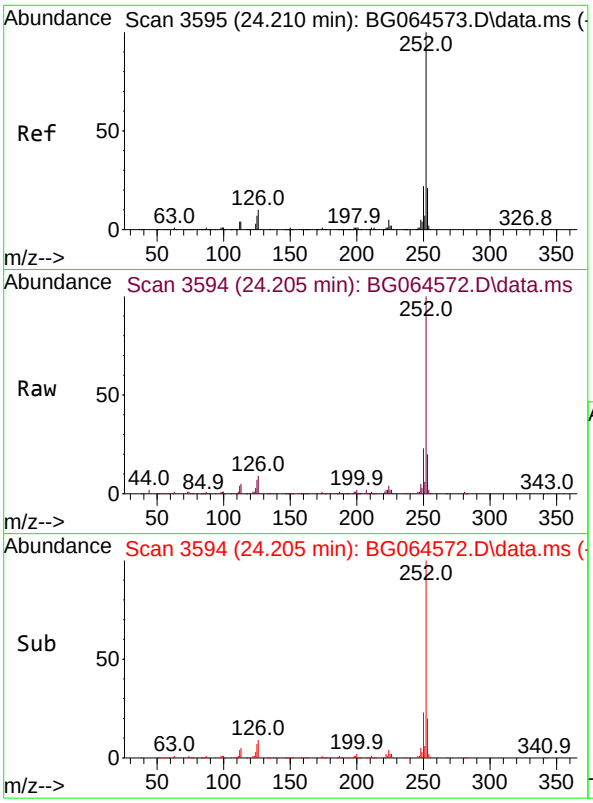


#88
Benzo(b)fluoranthene
Concen: 19.066 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 503145

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	7.4	5.6	8.4





#89
Benzo(k)fluoranthene
Concen: 19.650 ng
RT: 24.205 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

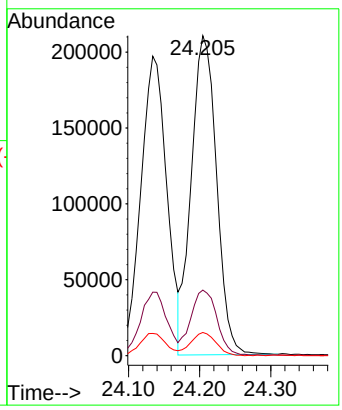
Tgt Ion:252 Resp: 51891

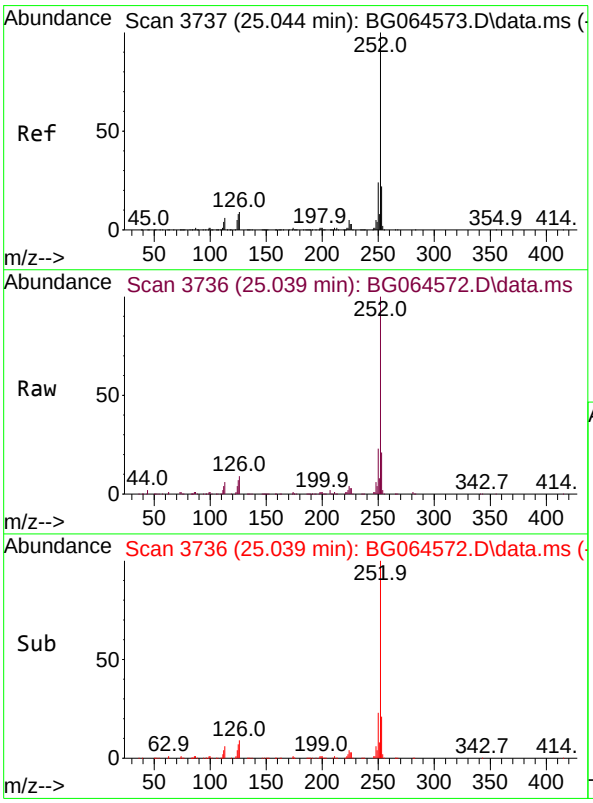
Ion	Ratio	Lower	Upper
252	100		
253	20.5	16.8	25.2
125	7.2	5.4	8.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

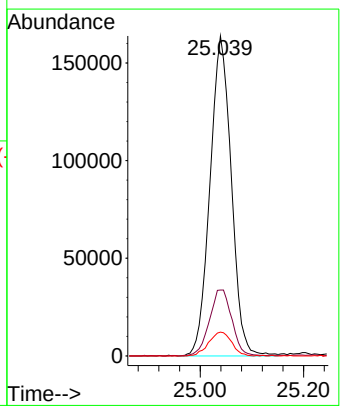


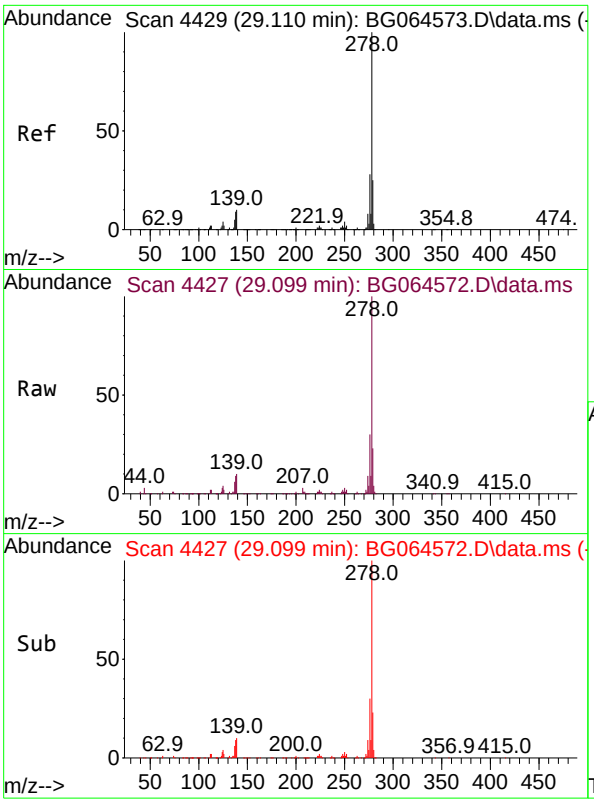


#90
Benzo(a)pyrene
Concen: 19.398 ng
RT: 25.039 min Scan# 3736
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 470556

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.6	26.4
125	7.4	6.1	9.1





#91
Dibenzo(a,h)anthracene
Concen: 19.377 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

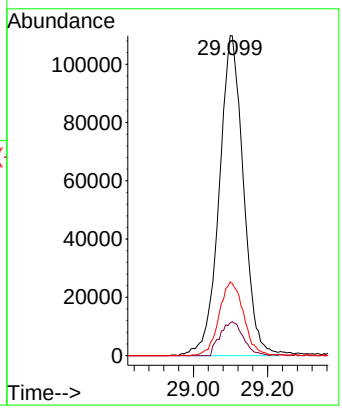
Tgt Ion:278 Resp: 49839

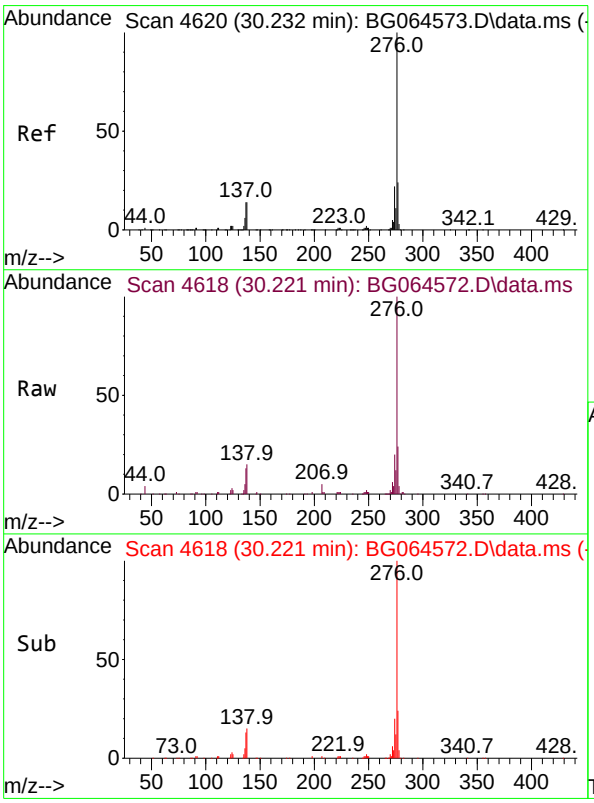
Ion	Ratio	Lower	Upper
278	100		
139	10.2	8.0	12.0
279	23.0	19.8	29.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

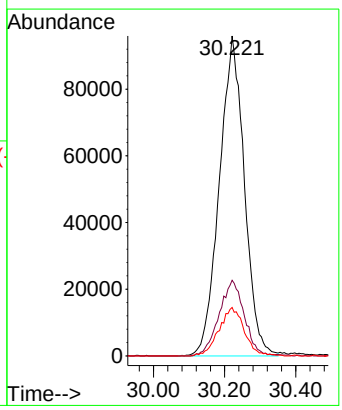




#92
Benzo(g,h,i)perylene
Concen: 19.067 ng
RT: 30.221 min Scan# 4618
Delta R.T. -0.011 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:276 Resp: 468496

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	15.1	11.3	16.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 03 18:00:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	40195	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	164795	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	130542	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	313311	20.000	ng	0.00
76) Chrysene-d12	21.860	240	332834	20.000	ng	0.00
86) Perylene-d12	25.197	264	350897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	207807	86.778	ng	0.00
7) Phenol-d6	7.353	99	284694	86.638	ng	0.00
23) Nitrobenzene-d5	9.386	82	248341	90.513	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	165976	88.092	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	722477	83.888	ng	0.00
79) Terphenyl-d14	20.174	244	1521028	86.242	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.587	88	42215	39.818	ng	100
3) Pyridine	3.998	79	134153	42.136	ng	100
4) n-Nitrosodimethylamine	3.904	42	72367	42.385	ng	100
6) Aniline	7.530	93	191799	42.894	ng	100
8) 2-Chlorophenol	7.776	128	110414	44.051	ng	100
9) Benzaldehyde	7.342	77	75557	42.117	ng	100
10) Phenol	7.377	94	156259	42.998	ng	100
11) bis(2-Chloroethyl)ether	7.624	93	111183	41.613	ng	100
12) 1,3-Dichlorobenzene	8.111	146	122224	42.367	ng	100
13) 1,4-Dichlorobenzene	8.258	146	123314	42.037	ng	100
14) 1,2-Dichlorobenzene	8.581	146	119228	42.140	ng	100
15) Benzyl Alcohol	8.446	79	114526	42.265	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.740	45	300095	42.819	ng	100
17) 2-Methylphenol	8.652	107	102315	42.405	ng	100
18) Hexachloroethane	9.322	117	43488	42.246	ng	100
19) n-Nitroso-di-n-propyla...	9.028	70	98647	43.438	ng	100
20) 3+4-Methylphenols	8.975	107	146177	43.080	ng	100
22) Acetophenone	9.045	105	192583	42.750	ng	100
24) Nitrobenzene	9.427	77	135107	45.274	ng	100
25) Isophorone	9.956	82	286439	43.507	ng	100
26) 2-Nitrophenol	10.144	139	45134	39.772	ng	100
27) 2,4-Dimethylphenol	10.191	122	110518	45.129	ng	100
28) bis(2-Chloroethoxy)met...	10.438	93	161449	43.070	ng	100
29) 2,4-Dichlorophenol	10.679	162	118669	45.026	ng	100
30) 1,2,4-Trichlorobenzene	10.908	180	128902	43.046	ng	100
31) Naphthalene	11.096	128	388032	42.469	ng	100
32) Benzoic acid	10.309	122	73604m	40.425	ng	
33) 4-Chloroaniline	11.190	127	151231	42.585	ng	100
34) Hexachlorobutadiene	11.390	225	98683	42.139	ng	100
35) Caprolactam	11.948	113	44205	43.731	ng	100
36) 4-Chloro-3-methylphenol	12.289	107	140272	44.278	ng	100
37) 2-Methylnaphthalene	12.688	142	285089	42.499	ng	100
38) 1-Methylnaphthalene	12.906	142	281256	42.362	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	183376	41.856	ng	100
41) Hexachlorocyclopentadiene	13.041	237	84505	42.853	ng	100
43) 2,4,6-Trichlorophenol	13.276	196	110509	44.097	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 03 18:00:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	126360	43.694 ng	100
46) 1,1'-Biphenyl	13.681	154	388718	41.885 ng	100
47) 2-Chloronaphthalene	13.728	162	295501	42.182 ng	100
48) 2-Nitroaniline	13.910	65	90958	39.303 ng	100
49) Acenaphthylene	14.568	152	466393	42.209 ng	100
50) Dimethylphthalate	14.286	163	428475	42.894 ng	100
51) 2,6-Dinitrotoluene	14.398	165	64452	39.696 ng	100
52) Acenaphthene	14.909	154	319250	42.289 ng	100
53) 3-Nitroaniline	14.727	138	76841	44.762 ng	100
54) 2,4-Dinitrophenol	14.927	184	35677	38.390 ng	100
55) Dibenzofuran	15.238	168	512547	41.995 ng	100
56) 4-Nitrophenol	15.009	139	68064	42.765 ng	100
57) 2,4-Dinitrotoluene	15.179	165	100448	39.962 ng	100
58) Fluorene	15.884	166	399745	41.939 ng	100
59) 2,3,4,6-Tetrachlorophenol	15.456	232	121762	44.030 ng	100
60) Diethylphthalate	15.649	149	432571	42.412 ng	100
61) 4-Chlorophenyl-phenyle...	15.879	204	226104	42.270 ng	100
62) 4-Nitroaniline	15.884	138	85297	44.662 ng	100
63) Azobenzene	16.166	77	401676	42.922 ng	100
65) 4,6-Dinitro-2-methylph...	15.943	198	51829	38.770 ng	100
66) n-Nitrosodiphenylamine	16.084	169	365624	43.201 ng	100
67) 4-Bromophenyl-phenylether	16.766	248	161744	43.563 ng	100
68) Hexachlorobenzene	16.889	284	183262	43.265 ng	100
69) Atrazine	17.024	200	153706	42.203 ng	100
70) Pentachlorophenol	17.224	266	112769	42.694 ng	100
71) Phenanthrene	17.624	178	728184	42.500 ng	100
72) Anthracene	17.712	178	743567	42.663 ng	100
73) Carbazole	17.970	167	646319	42.053 ng	100
74) Di-n-butylphthalate	18.534	149	776847	43.711 ng	100
75) Fluoranthene	19.615	202	902557	42.050 ng	100
77) Benzidine	19.780	184	325845	43.697 ng	100
78) Pyrene	19.974	202	939110	43.186 ng	100
80) Butylbenzylphthalate	20.855	149	299706	45.601 ng	100
81) Benzo(a)anthracene	21.836	228	942839	42.723 ng	100
82) 3,3'-Dichlorobenzidine	21.742	252	317851	43.131 ng	100
83) Chrysene	21.907	228	894813	42.613 ng	100
84) Bis(2-ethylhexyl)phtha...	21.748	149	446785	45.494 ng	100
85) Di-n-octyl phthalate	23.011	149	723360	43.688 ng	100
87) Indeno(1,2,3-cd)pyrene	29.040	276	1100259	42.624 ng	100
88) Benzo(b)fluoranthene	24.139	252	927550	43.108 ng	100
89) Benzo(k)fluoranthene	24.210	252	901706	41.878 ng	100
90) Benzo(a)pyrene	25.044	252	843258	42.635 ng	100
91) Dibenzo(a,h)anthracene	29.110	278	889808	42.430 ng	100
92) Benzo(g,h,i)perylene	30.232	276	851248	42.492 ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

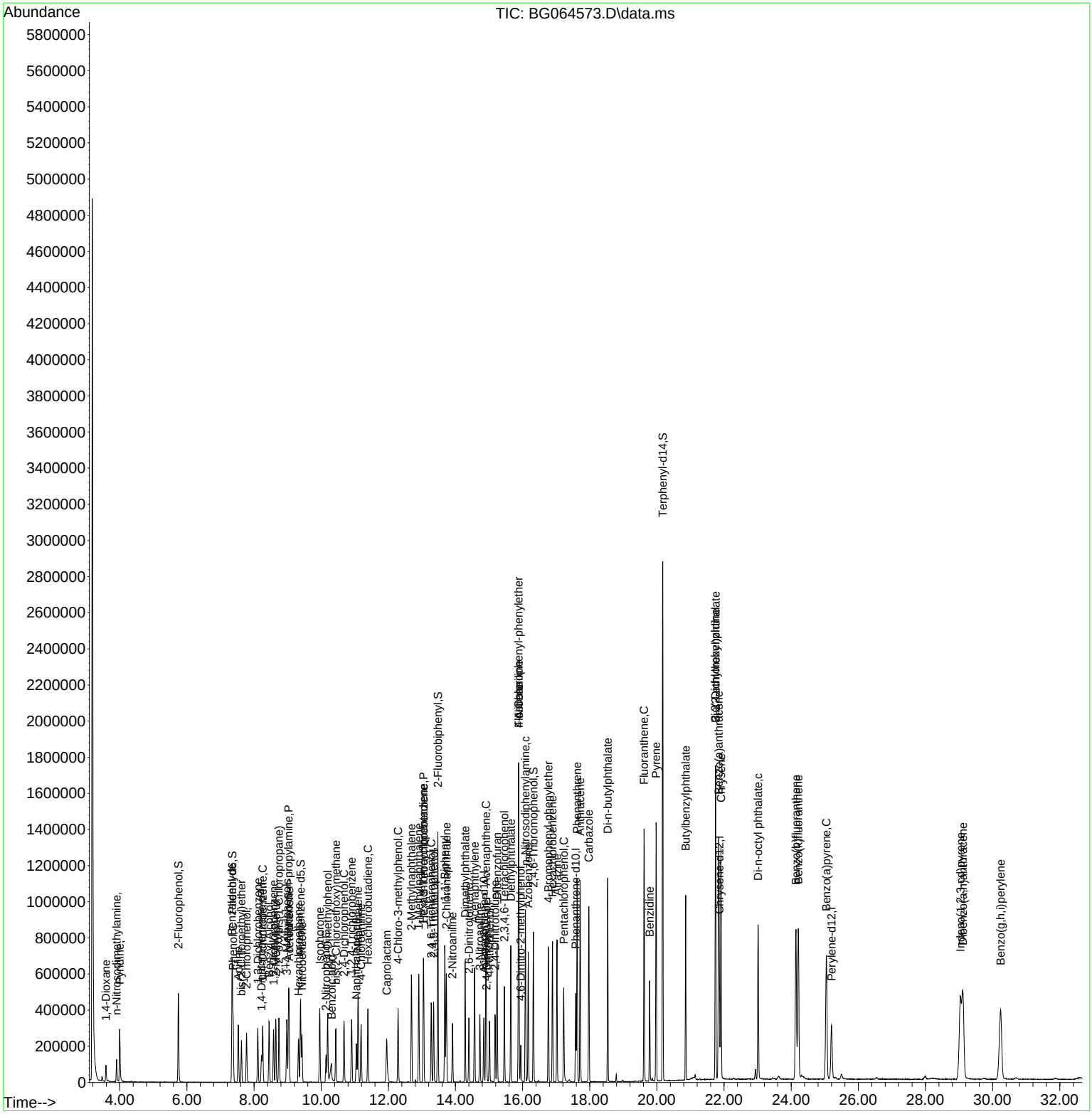
ICAL Form

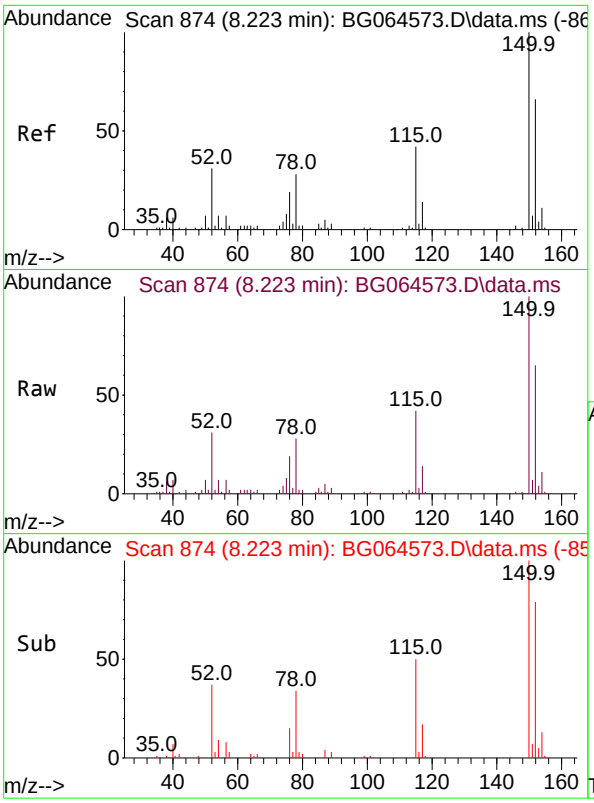
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 03 18:00:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

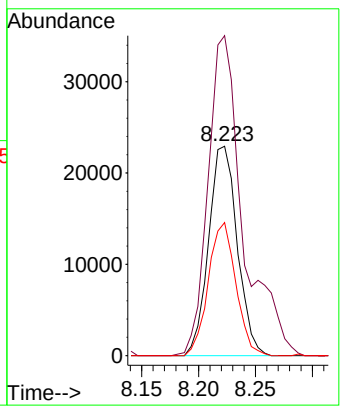
Tgt Ion:152 Resp: 4019

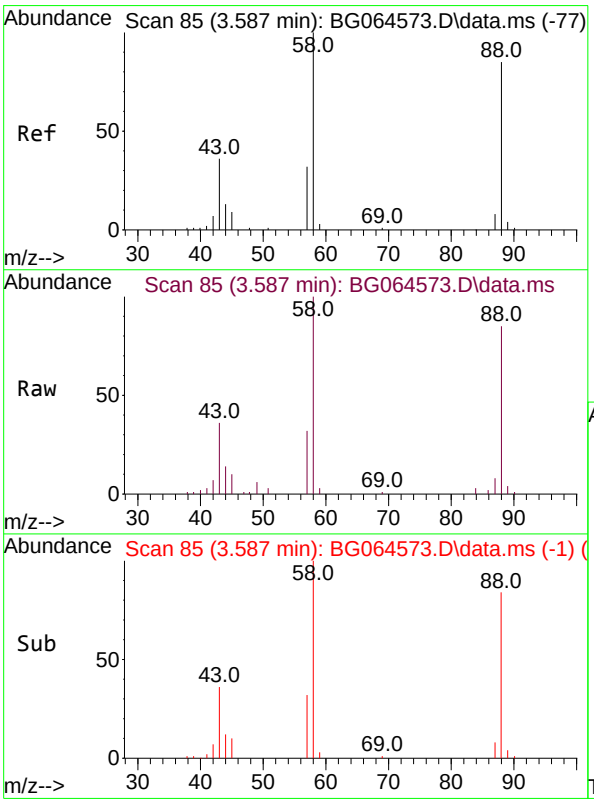
Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.2	183.4
115	63.5	50.8	76.2

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

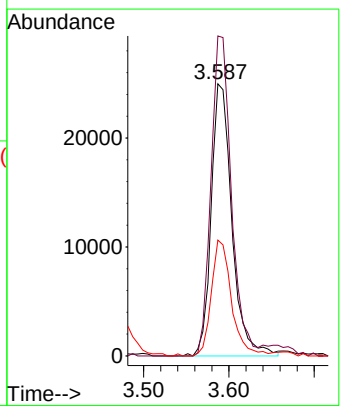


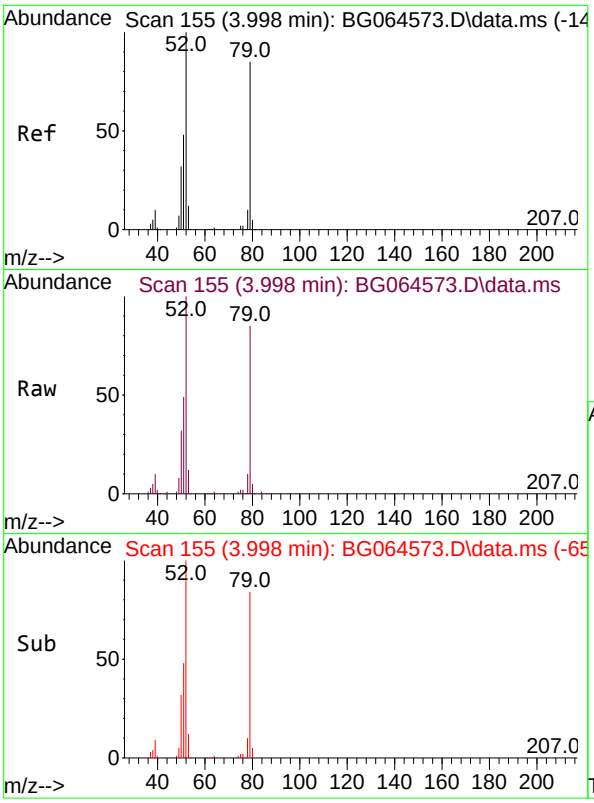


#2
1,4-Dioxane
Concen: 39.818 ng
RT: 3.587 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 88 Resp: 42215

Ion	Ratio	Lower	Upper
88	100		
58	115.5	92.4	138.6
43	41.3	33.0	49.6





#3
Pyridine
Concen: 42.136 ng
RT: 3.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

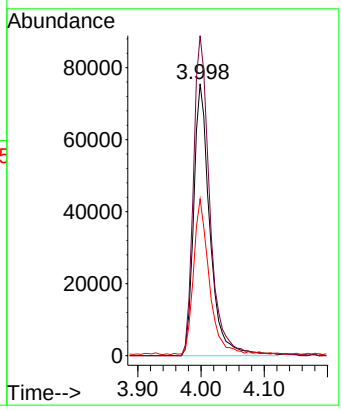
Tgt Ion: 79 Resp: 13415

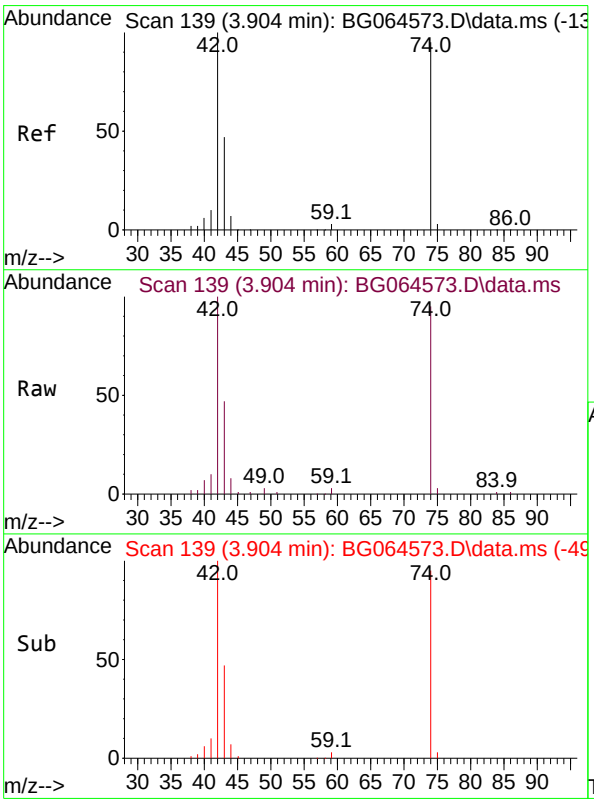
Ion	Ratio	Lower	Upper
79	100		
52	117.7	94.2	141.2
51	57.6	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

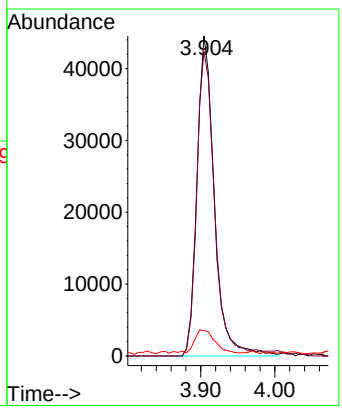


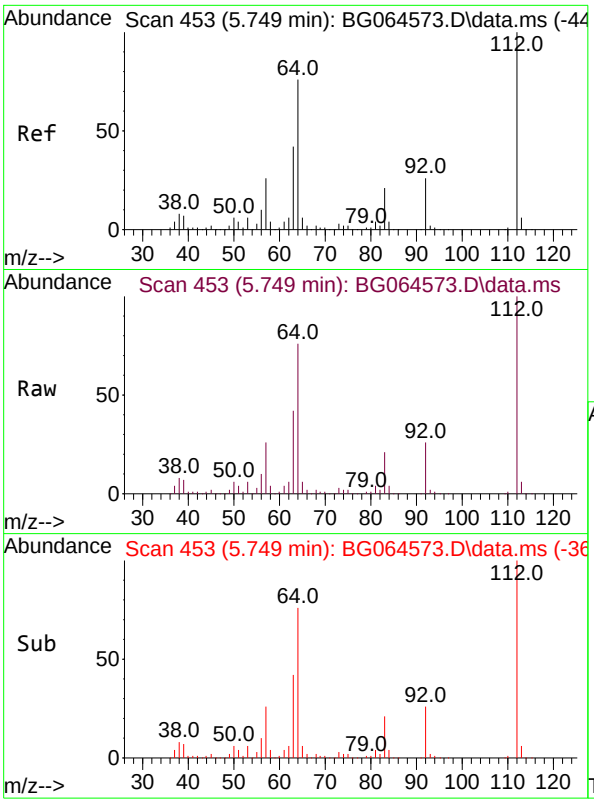


#4
n-Nitrosodimethylamine
Concen: 42.385 ng
RT: 3.904 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 42 Resp: 72367

Ion	Ratio	Lower	Upper
42	100		
74	95.1	76.1	114.1
44	7.9	6.3	9.5





#5
2-Fluorophenol
Concen: 86.778 ng
RT: 5.749 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:112 Resp: 20780

Ion	Ratio	Lower	Upper
112	100		
64	75.9	60.7	91.1
63	41.7	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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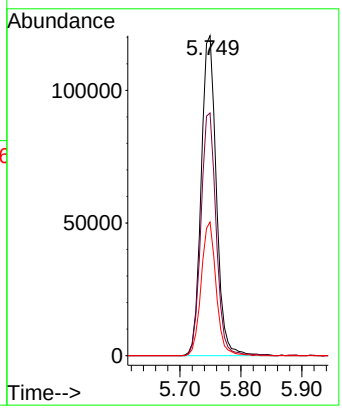
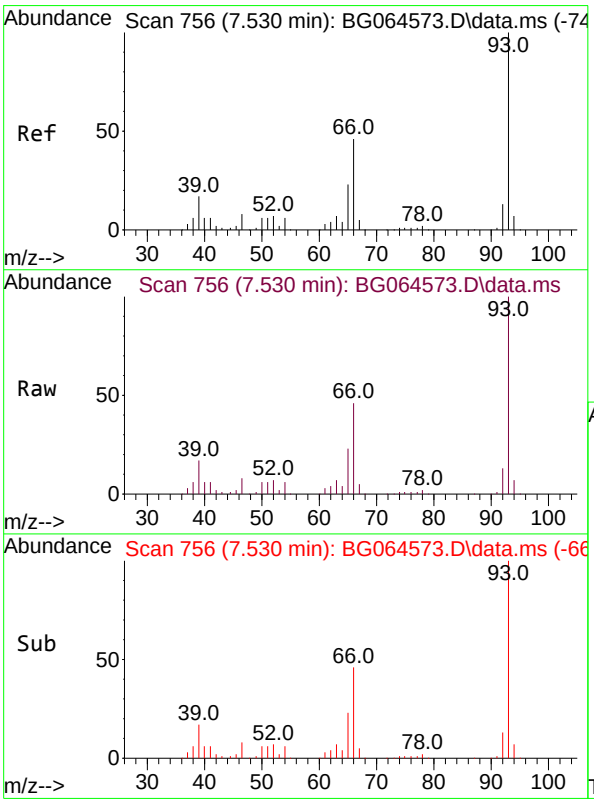
Supervised By :mohammad ahmed 11/05/2025

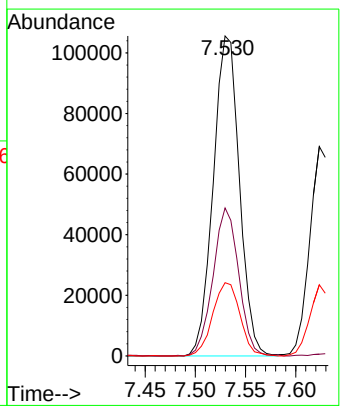


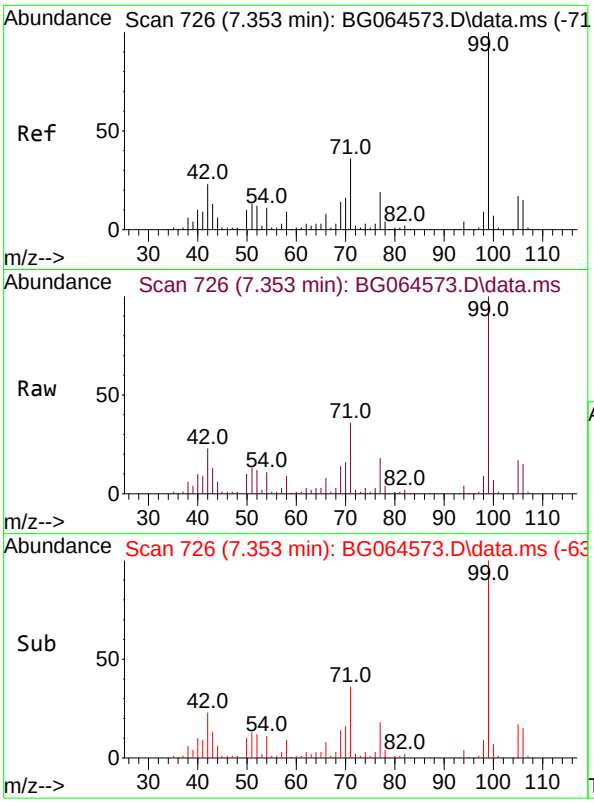


#6
Aniline
Concen: 42.894 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 191799

Ion	Ratio	Lower	Upper
93	100		
66	46.3	37.0	55.6
65	22.9	18.3	27.5





#7
Phenol-d6
Concen: 86.638 ng
RT: 7.353 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 99 Resp: 284694

Ion	Ratio	Lower	Upper
99	100		
42	22.9	18.3	27.5
71	35.8	28.6	43.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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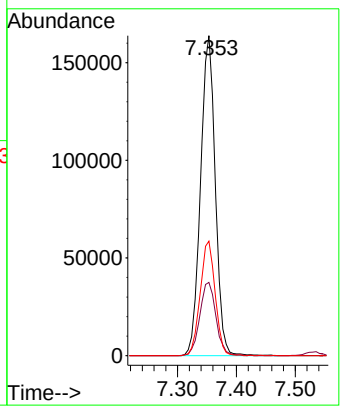
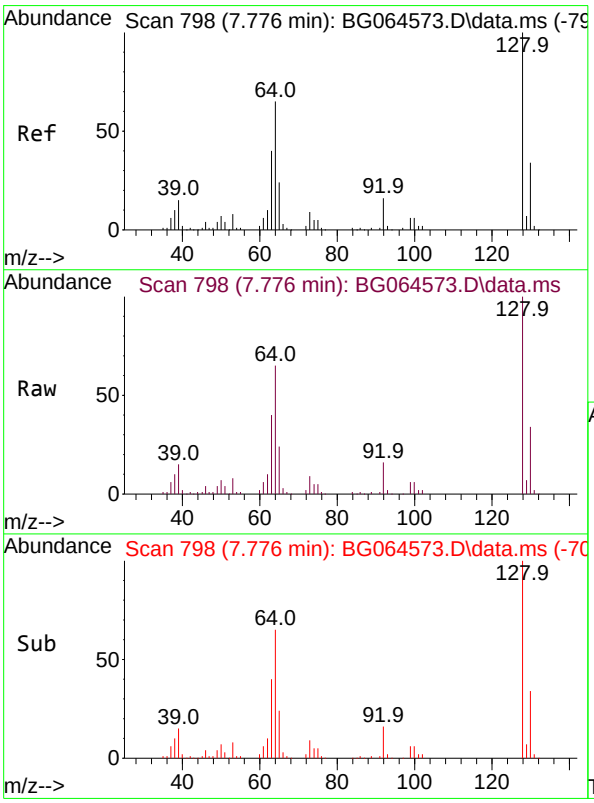
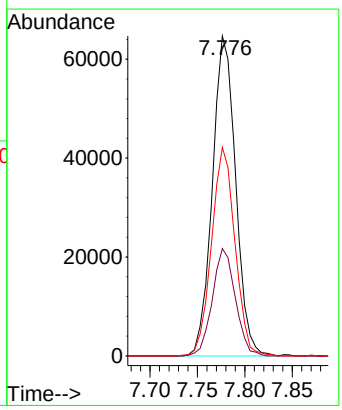


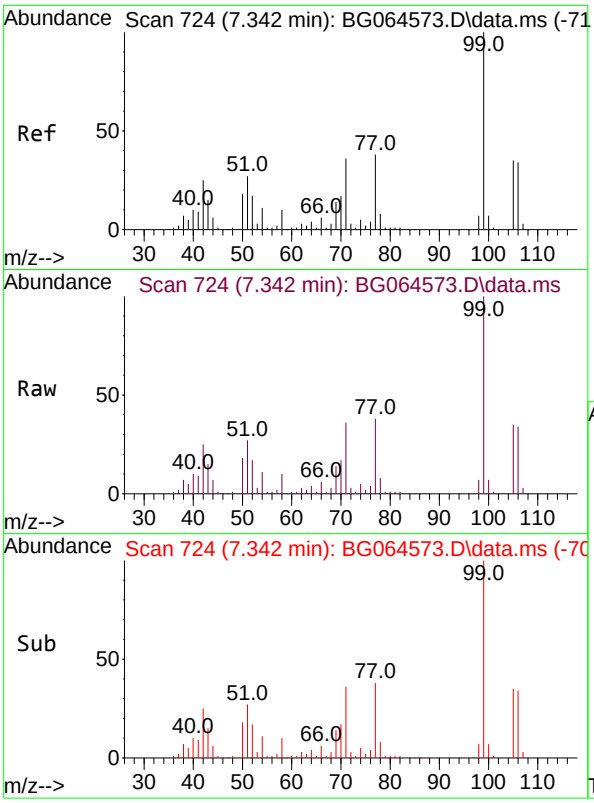


#8
2-Chlorophenol
Concen: 44.051 ng
RT: 7.776 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:128 Resp: 110414

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.5	53.5
64	65.2	45.2	85.2





#9
Benzaldehyde
Concen: 42.117 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 7555

Ion	Ratio	Lower	Upper
77	100		
105	92.9	72.9	112.9
106	90.8	70.8	110.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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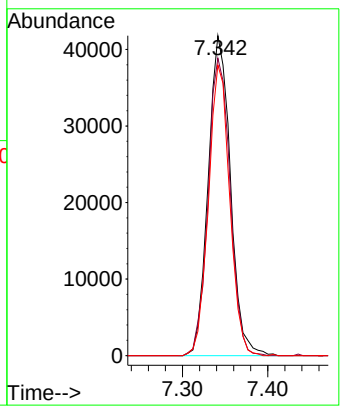
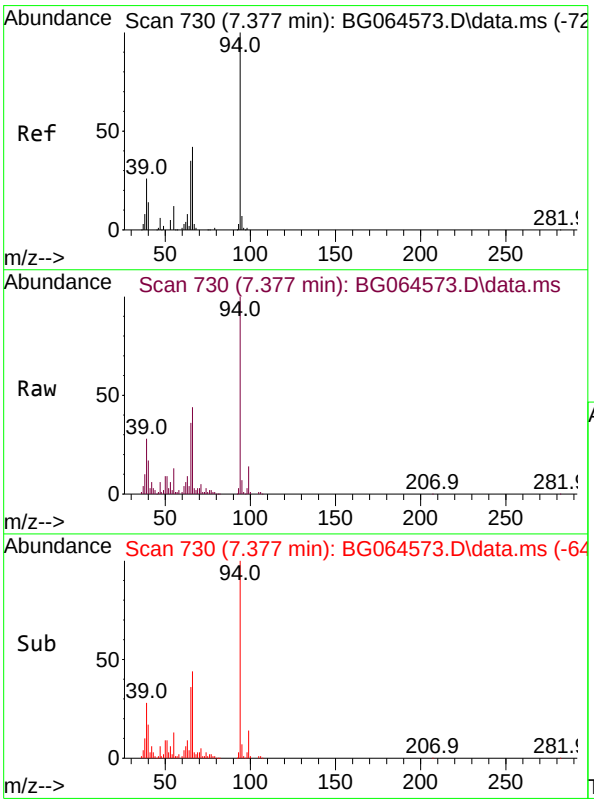
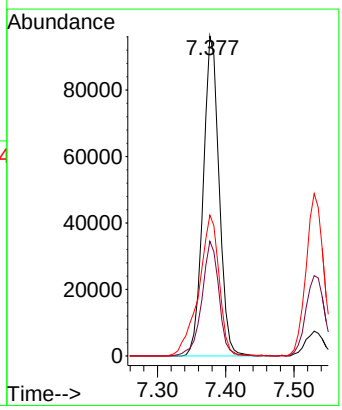


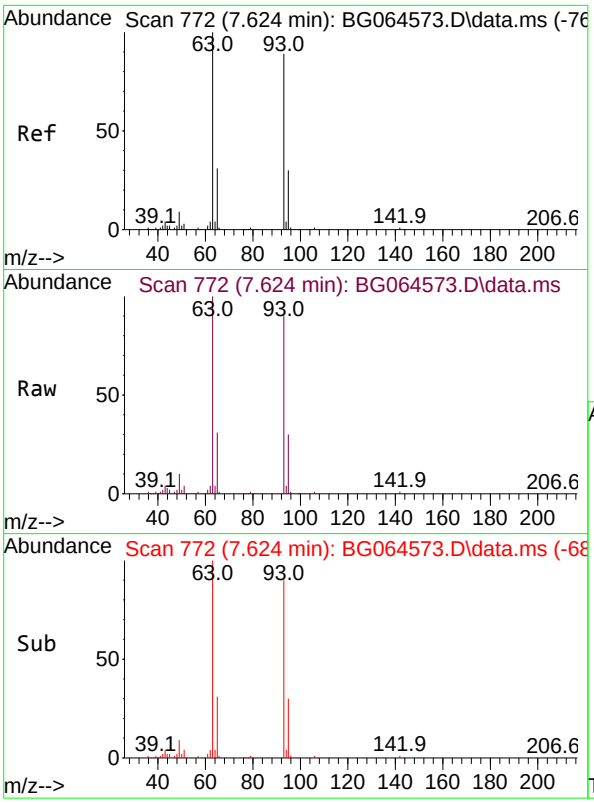


#10
Phenol
Concen: 42.998 ng
RT: 7.377 min Scan# 730
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 94 Resp: 156259

Ion	Ratio	Lower	Upper
94	100		
65	35.8	15.8	55.8
66	44.0	24.0	64.0





#11
bis(2-Chloroethyl)ether
Concen: 41.613 ng
RT: 7.624 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 11118

Ion	Ratio	Lower	Upper
93	100		
63	111.3	91.3	131.3
95	33.3	13.3	53.3

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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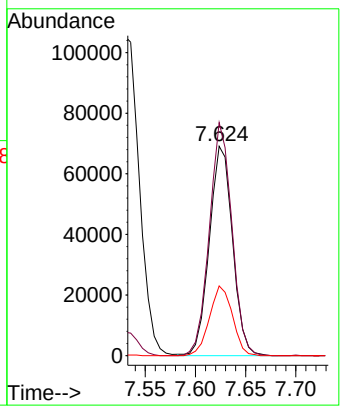
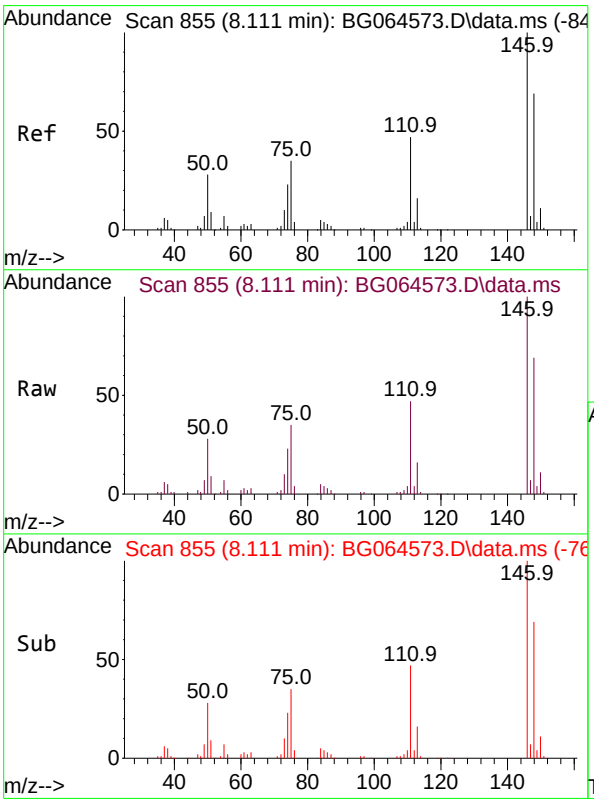
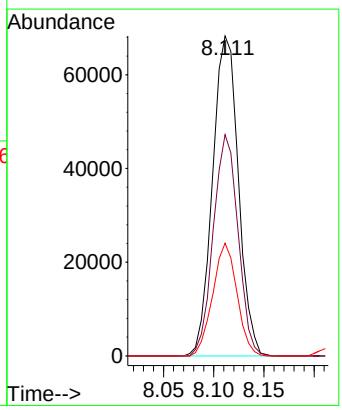


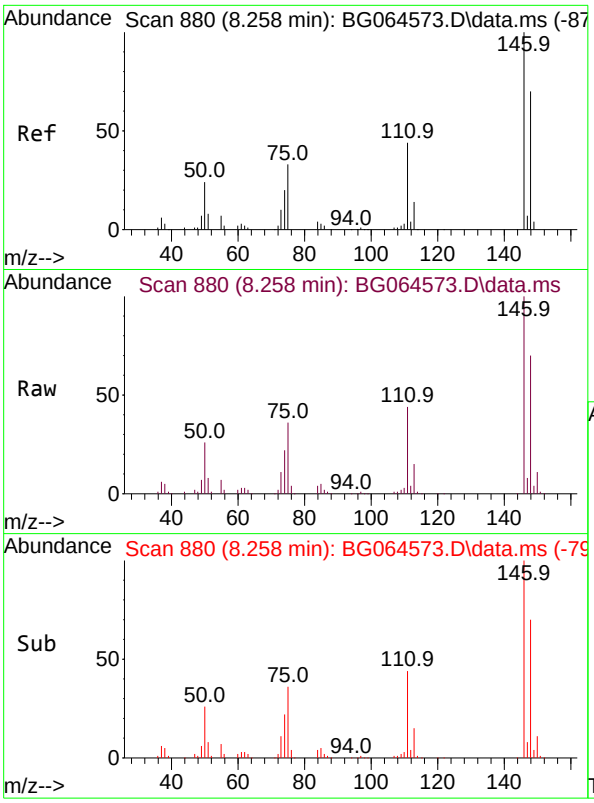


#12
1,3-Dichlorobenzene
Concen: 42.367 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 122224

Ion	Ratio	Lower	Upper
146	100		
148	69.1	55.3	82.9
75	35.2	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 42.037 ng
RT: 8.258 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 12331

Ion	Ratio	Lower	Upper
146	100		
148	70.3	56.2	84.4
111	44.2	35.4	53.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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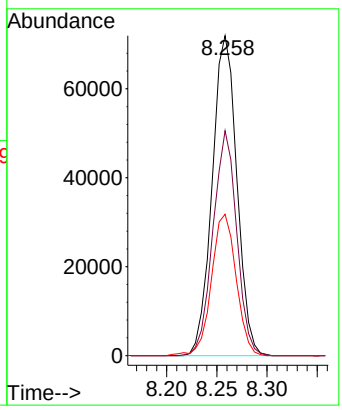
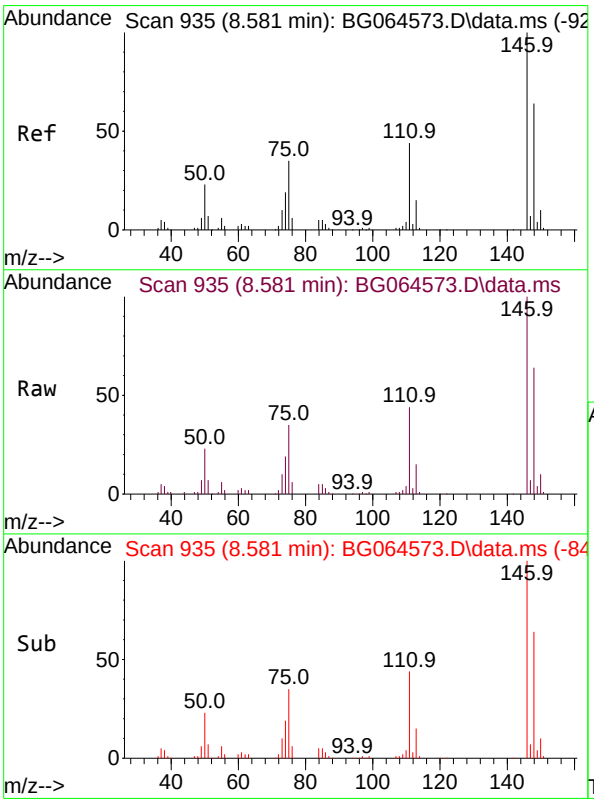
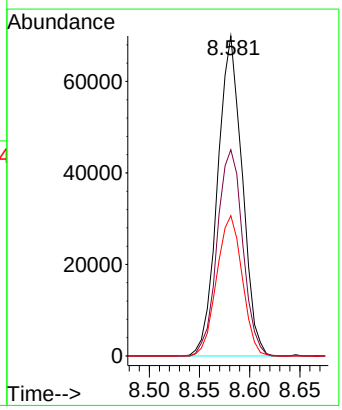


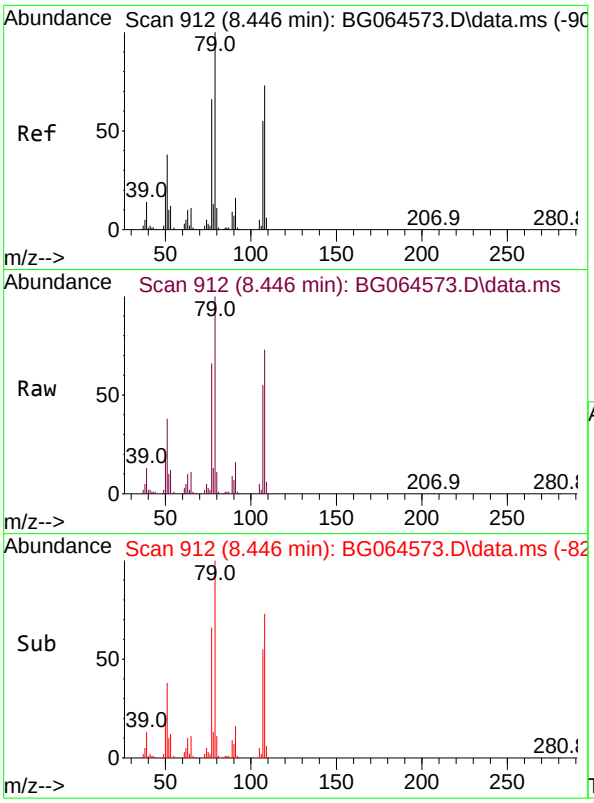


#14
1,2-Dichlorobenzene
Concen: 42.140 ng
RT: 8.581 min Scan# 935
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 119228

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	43.8	35.0	52.6





#15
Benzyl Alcohol
Concen: 42.265 ng
RT: 8.446 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 79 Resp: 11452

Ion	Ratio	Lower	Upper
79	100		
108	72.6	58.1	87.1
77	66.0	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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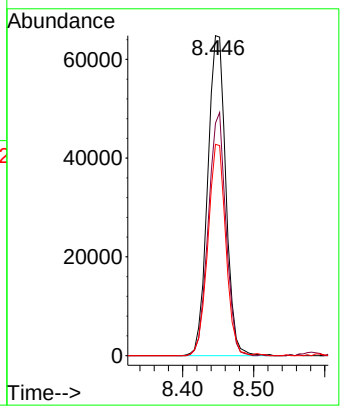
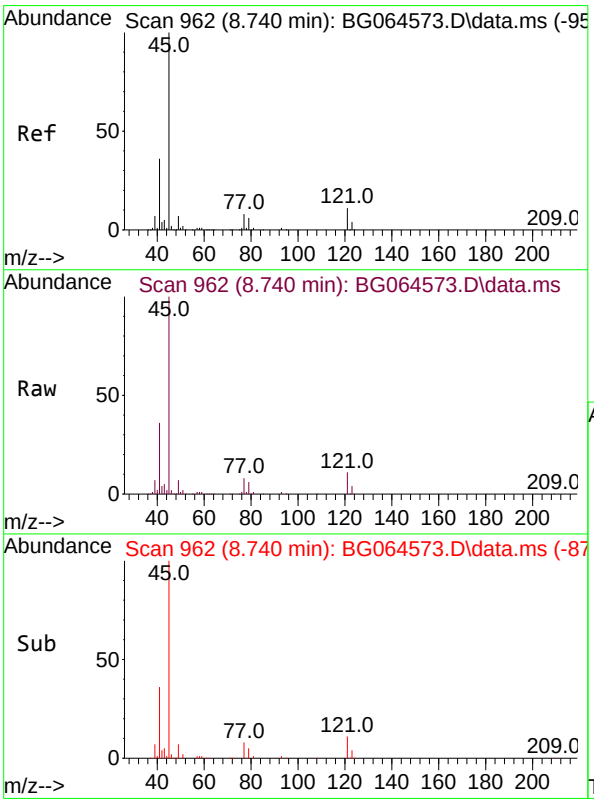
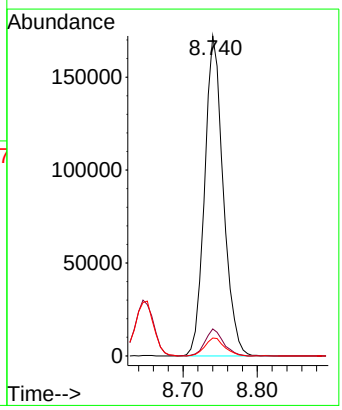


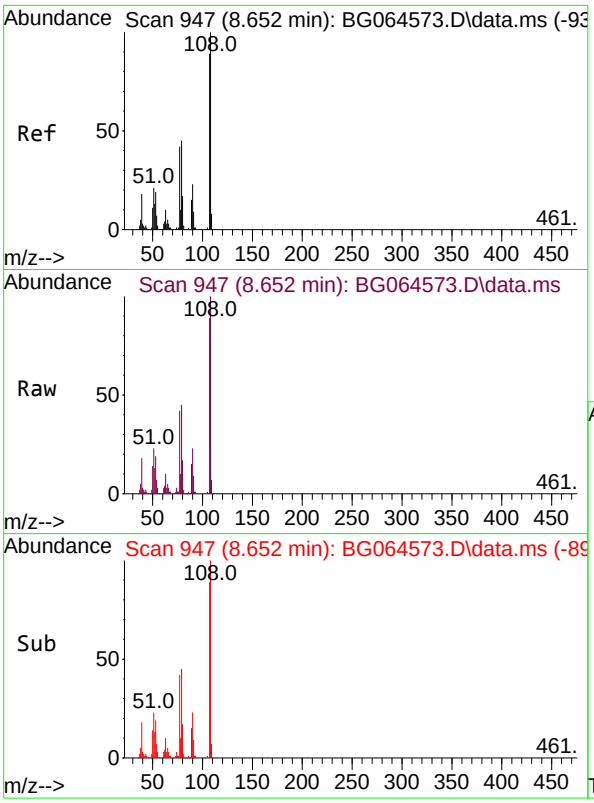


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.819 ng
RT: 8.740 min Scan# 962
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 45 Resp: 300095

Ion	Ratio	Lower	Upper
45	100		
77	8.5	0.0	28.5
79	5.6	0.0	25.6





#17
2-Methylphenol
Concen: 42.405 ng
RT: 8.652 min Scan# 94
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 102315

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.0	135.0
77	47.3	37.8	56.8
79	50.6	40.5	60.7

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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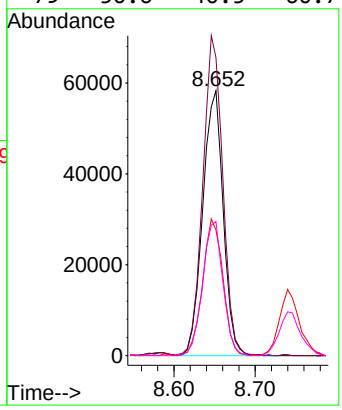
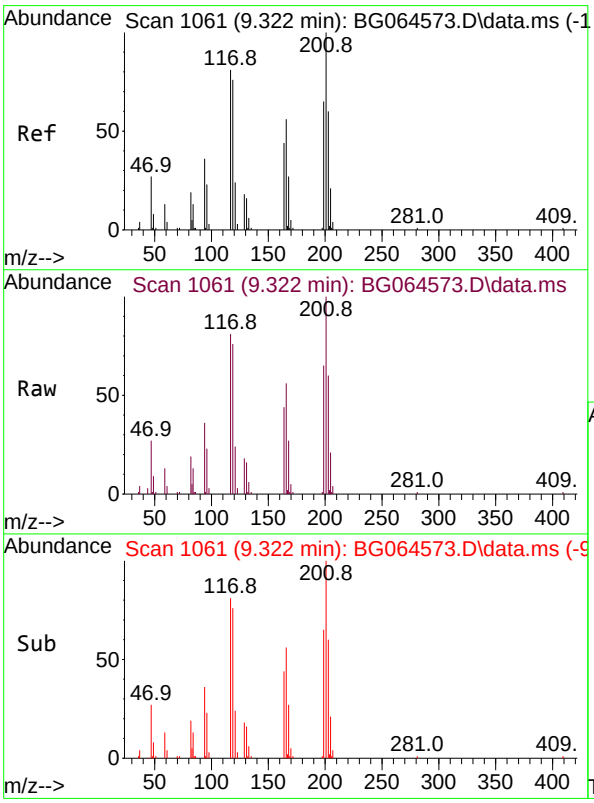
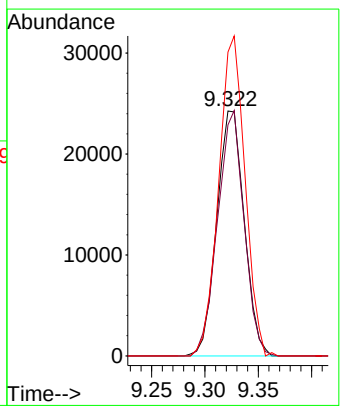


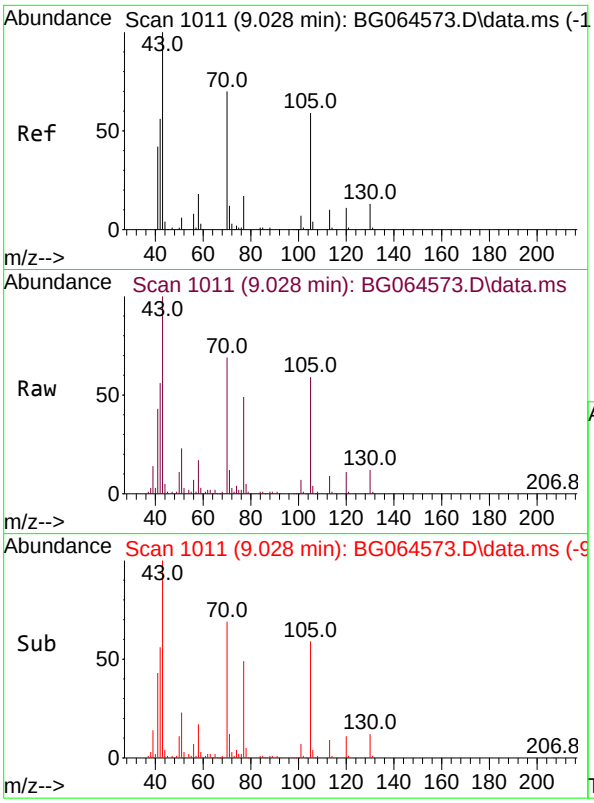


#18
Hexachloroethane
Concen: 42.246 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:117 Resp: 43488

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.4	113.2
201	124.0	99.2	148.8





#19
n-Nitroso-di-n-propylamine
Concen: 43.438 ng
RT: 9.028 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 70 Resp: 9864

Ion	Ratio	Lower	Upper
70	100		
42	81.5	65.2	97.8
101	9.9	7.9	11.9
130	17.9	14.3	21.5

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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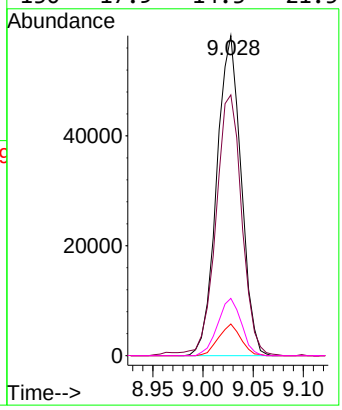
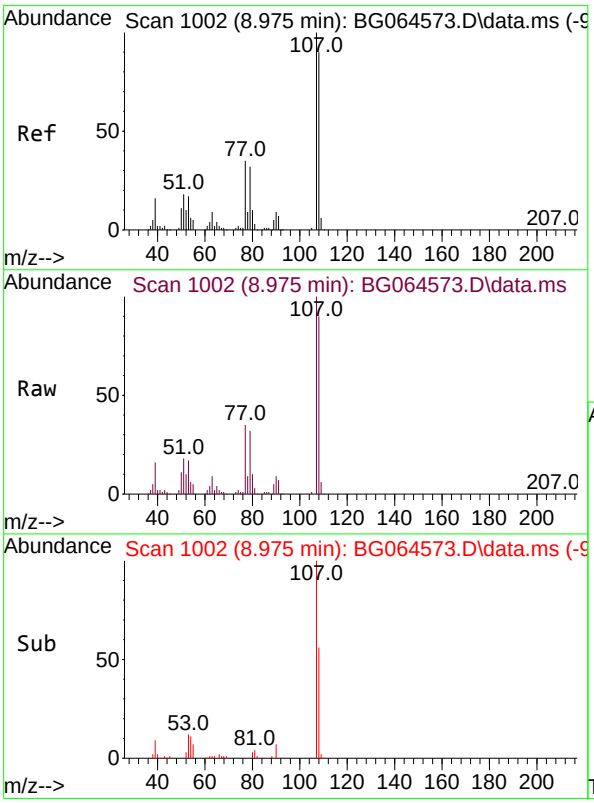
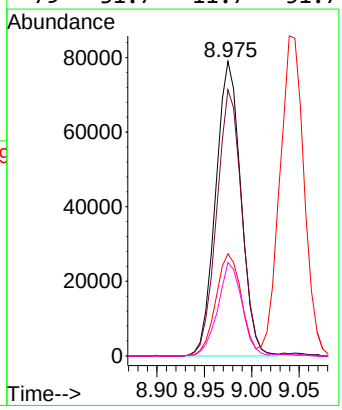


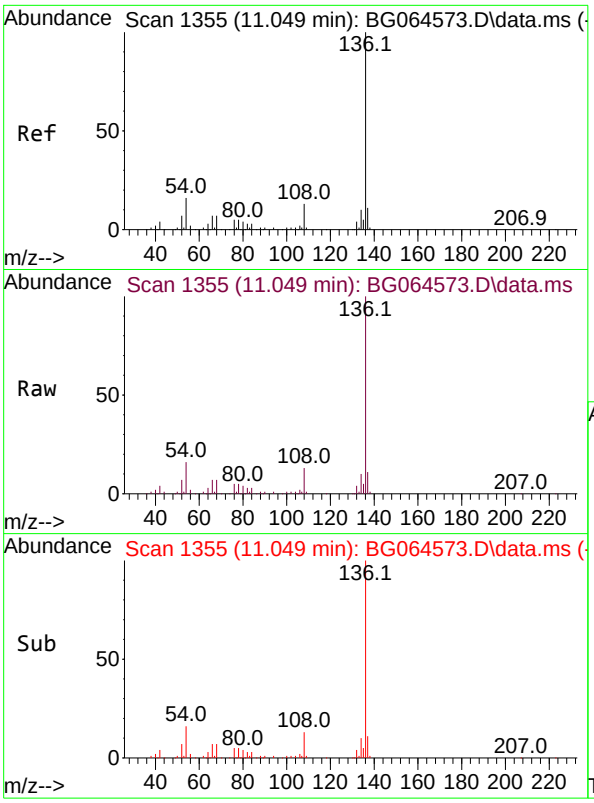


#20
3+4-Methylphenols
Concen: 43.080 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 146177

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.3	110.3
77	34.6	14.6	54.6
79	31.7	11.7	51.7

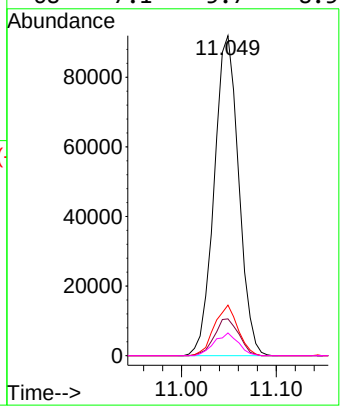




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:136 Resp: 16479

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	15.8	12.6	19.0
68	7.1	5.7	8.5



Instrument :
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ClientSampleId :
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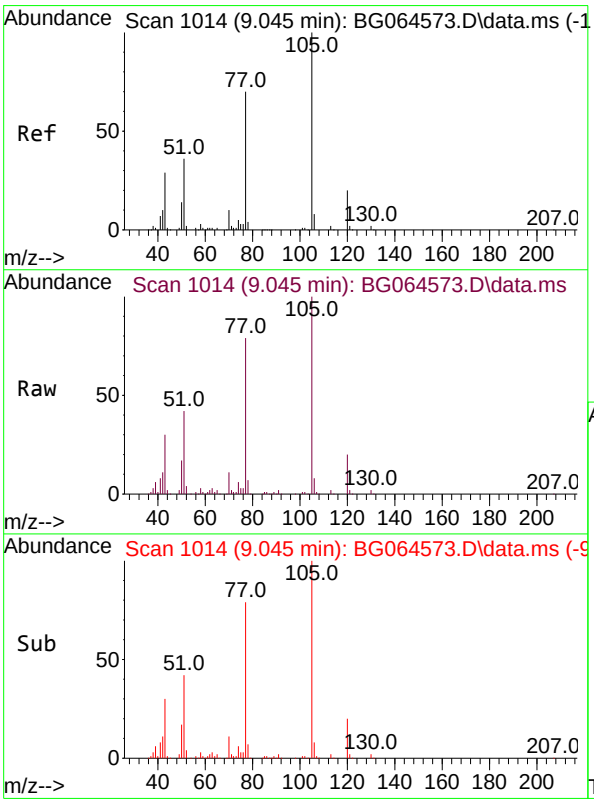
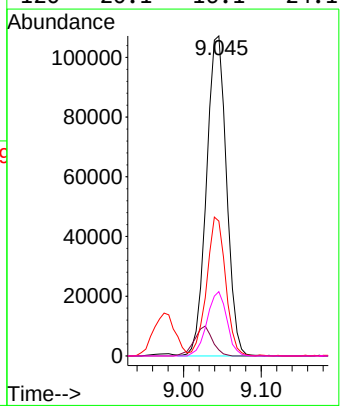
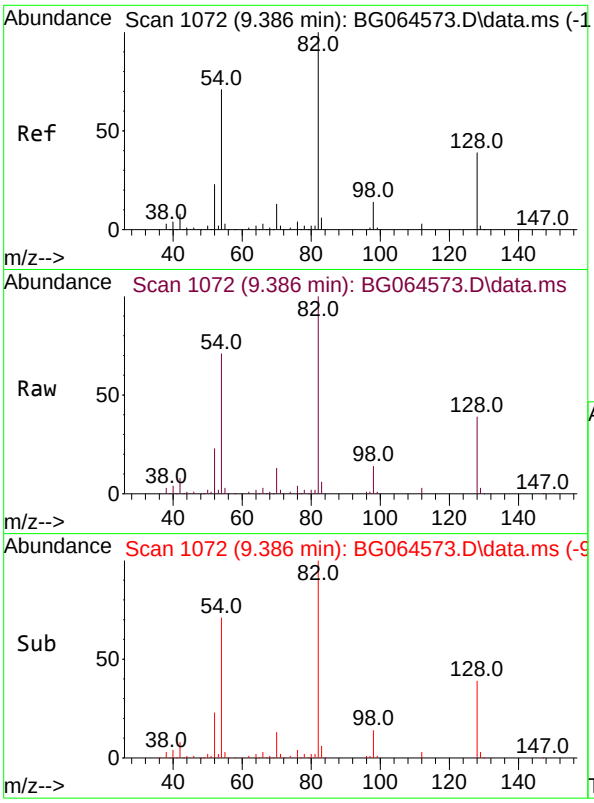


#22
Acetophenone
Concen: 42.750 ng
RT: 9.045 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:105 Resp: 192583

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.5	2.3
51	42.1	33.7	50.5
120	20.1	16.1	24.1





#23
Nitrobenzene-d5
Concen: 90.513 ng
RT: 9.386 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 82 Resp: 24834

Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.3	46.9
54	70.7	56.6	84.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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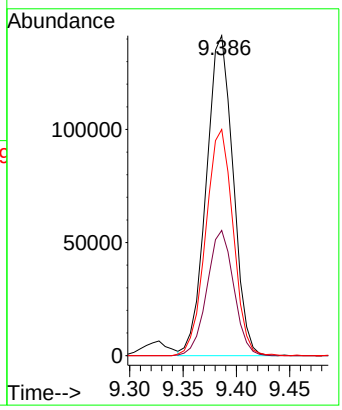
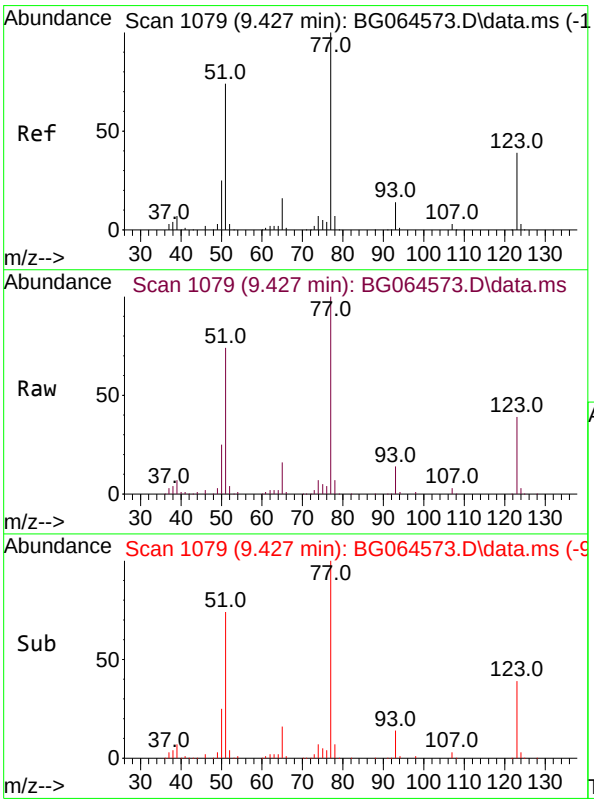
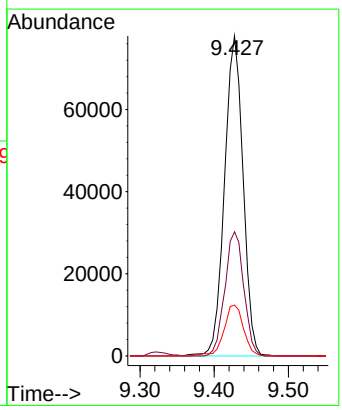


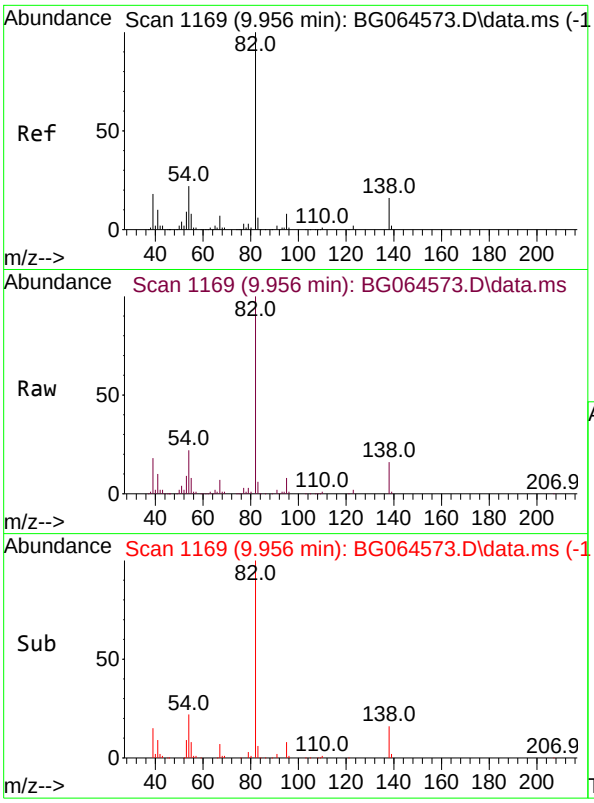


#24
Nitrobenzene
Concen: 45.274 ng
RT: 9.427 min Scan# 1079
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 135107

Ion	Ratio	Lower	Upper
77	100		
123	38.8	31.0	46.6
65	15.9	12.7	19.1





#25
Isophorone
Concen: 43.507 ng
RT: 9.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 82 Resp: 286439

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	16.2	13.0	19.4

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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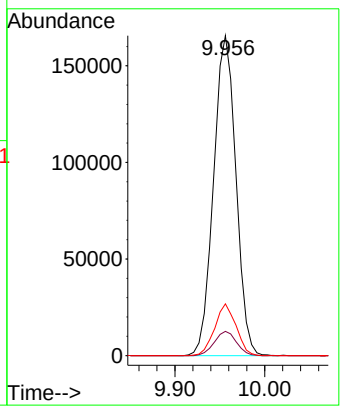
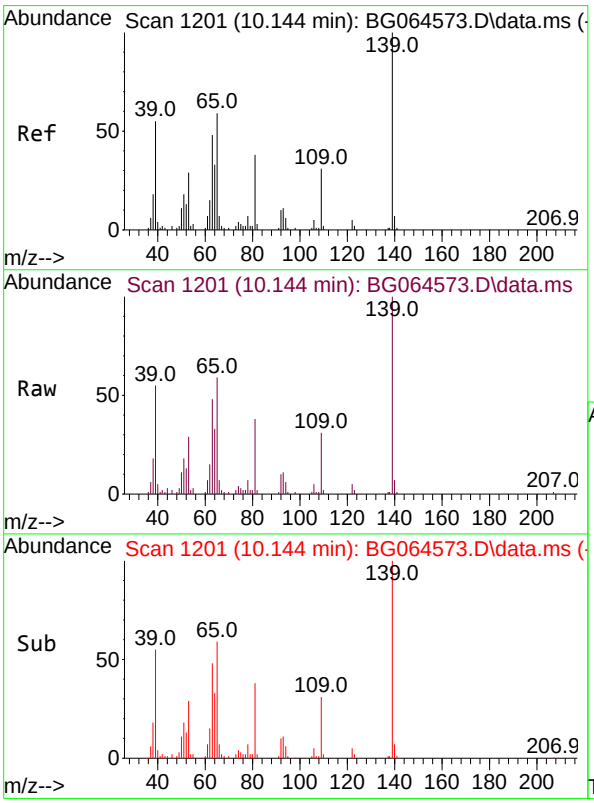
Supervised By :mohammad ahmed 11/05/2025

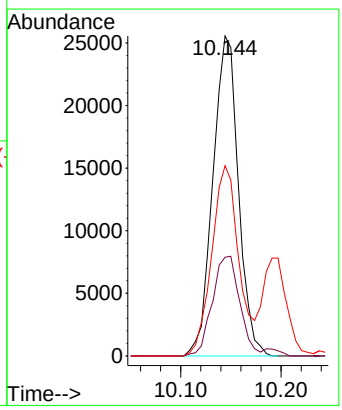


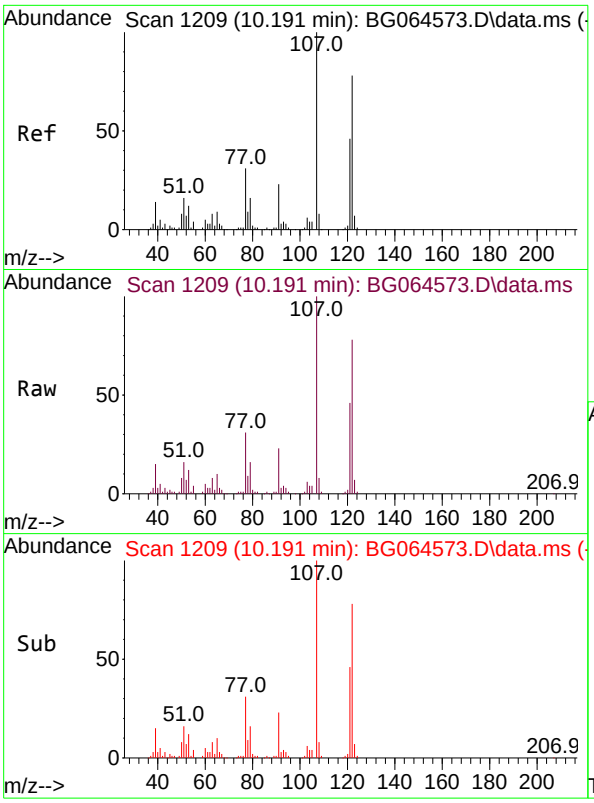


#26
2-Nitrophenol
Concen: 39.772 ng
RT: 10.144 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:139 Resp: 45134

Ion	Ratio	Lower	Upper
139	100		
109	30.8	24.6	37.0
65	59.4	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 45.129 ng
RT: 10.191 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:122 Resp: 110518

Ion	Ratio	Lower	Upper
122	100		
107	128.7	103.0	154.4
121	59.8	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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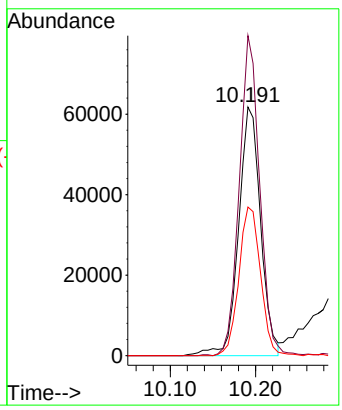
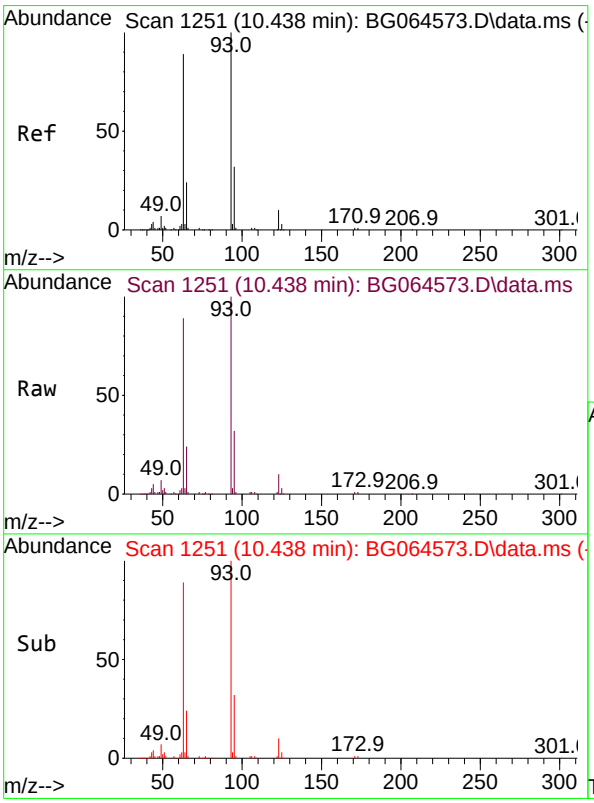
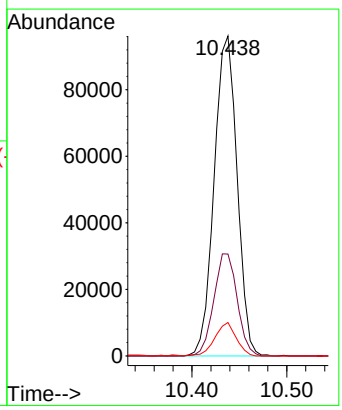


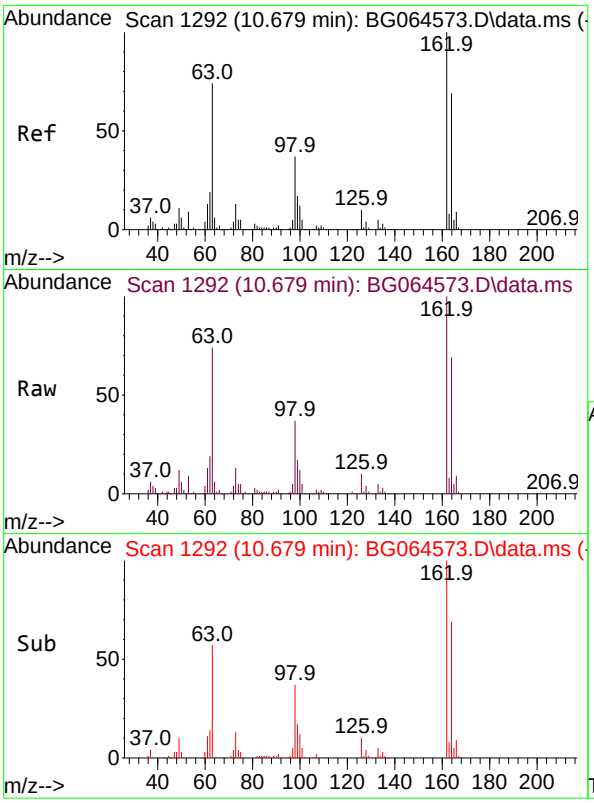


#28
bis(2-Chloroethoxy)methane
Concen: 43.070 ng
RT: 10.438 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 161449

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.4	38.2
123	10.5	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 45.026 ng
RT: 10.679 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:162 Resp: 11866

Ion	Ratio	Lower	Upper
162	100		
164	68.7	48.7	88.7
98	36.9	16.9	56.9

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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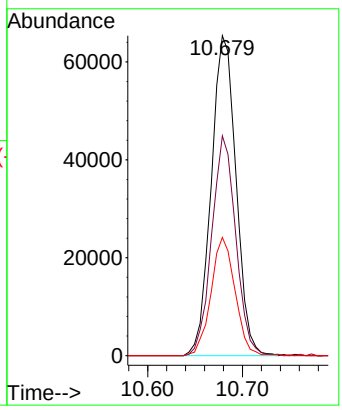
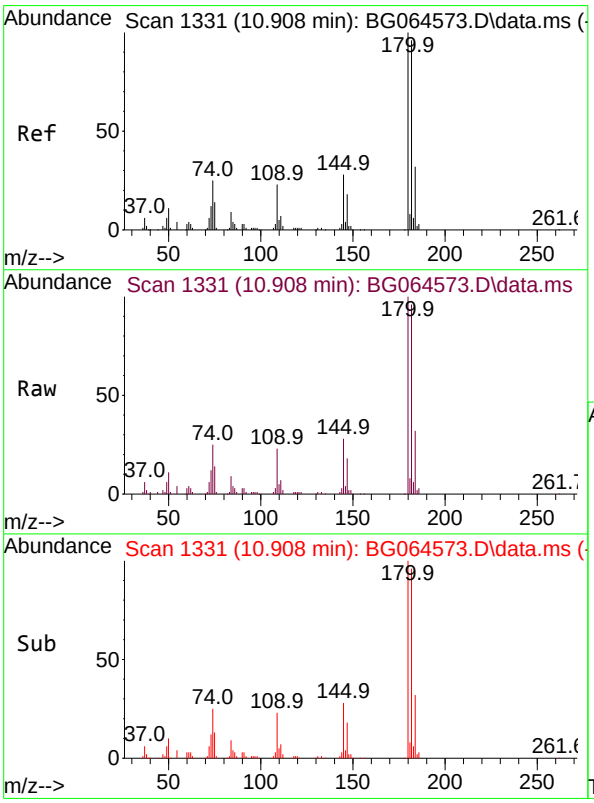
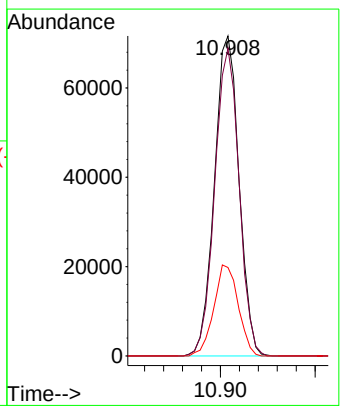


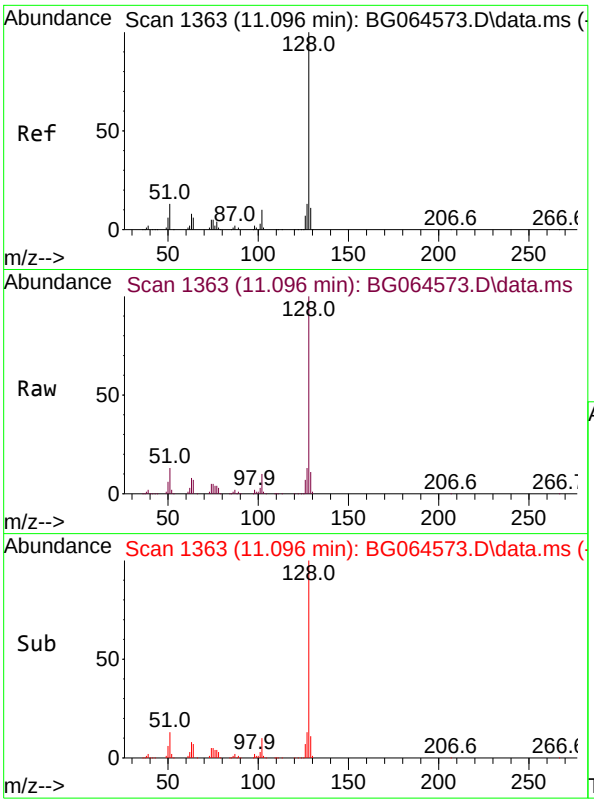


#30
1,2,4-Trichlorobenzene
Concen: 43.046 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:180 Resp: 128902

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	27.6	22.1	33.1





#31
Naphthalene
Concen: 42.469 ng
RT: 11.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:128 Resp: 388032

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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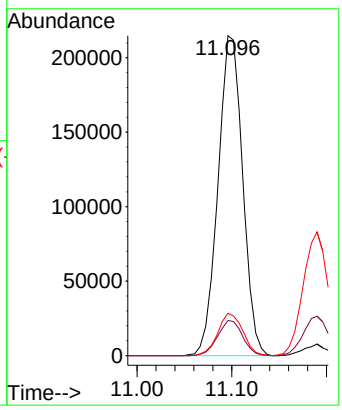
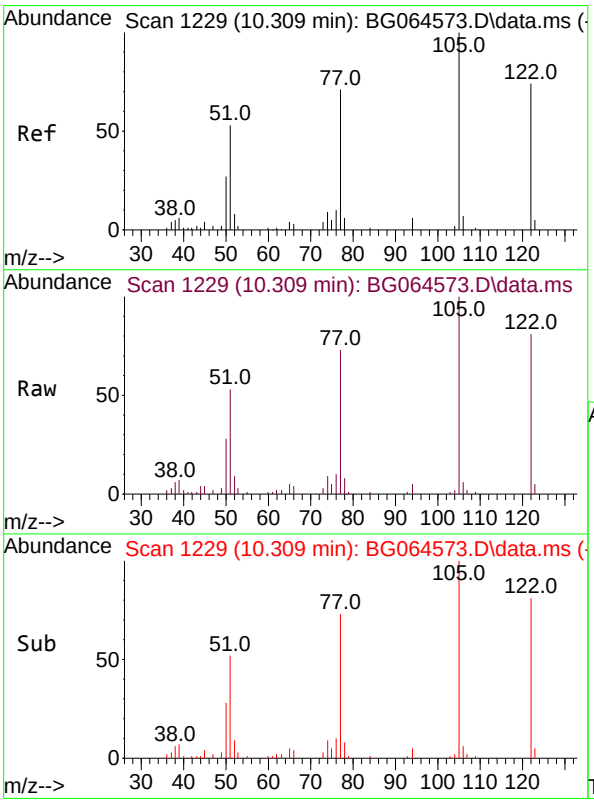
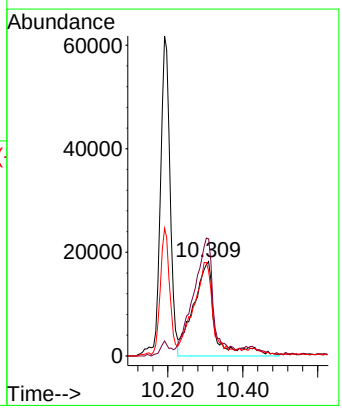


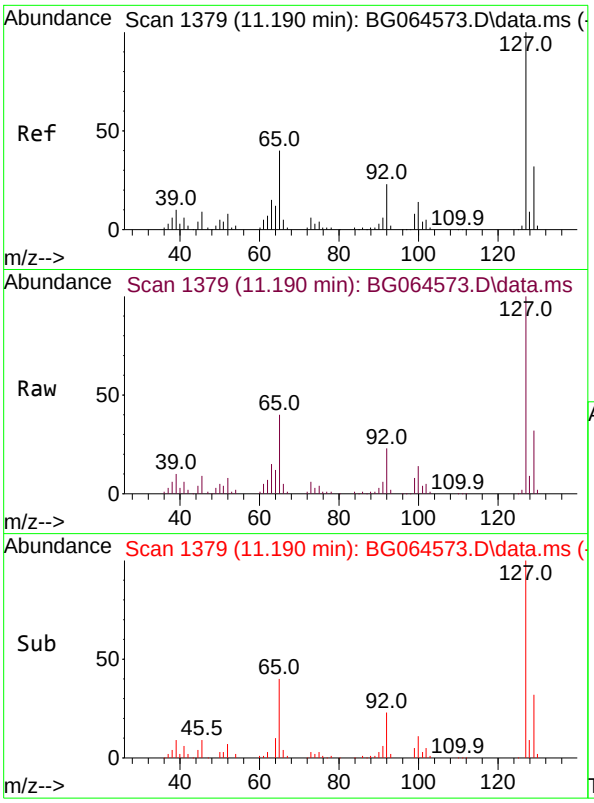


#32
Benzoic acid
Concen: 40.425 ng m
RT: 10.309 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:122 Resp: 73604

Ion	Ratio	Lower	Upper
122	100		
105	124.2	104.2	144.2
77	90.2	70.2	110.2





#33
4-Chloroaniline
Concen: 42.585 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:127 Resp: 15123

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.5	38.3
65	40.3	32.2	48.4
92	22.7	18.2	27.2

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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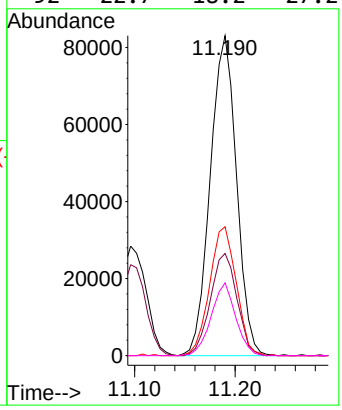
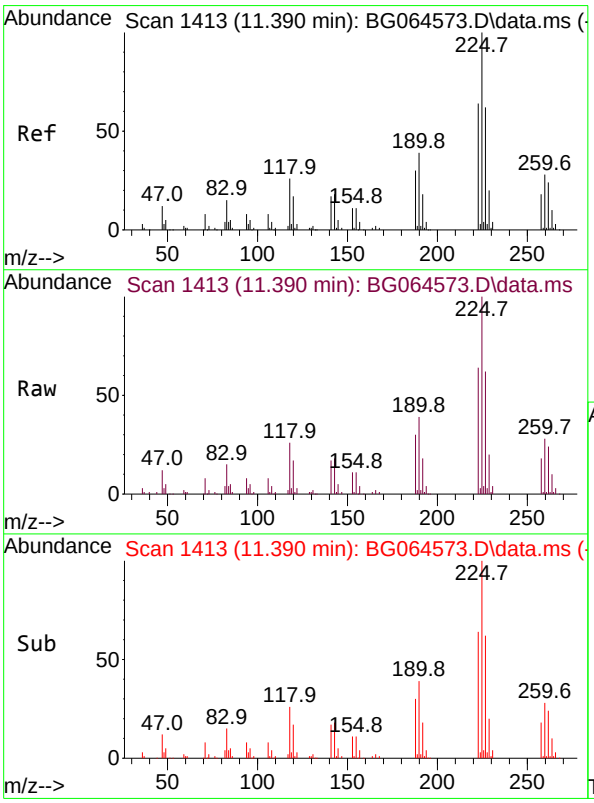
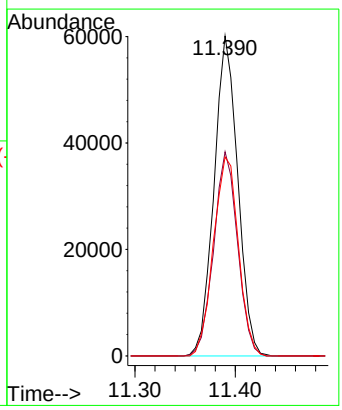


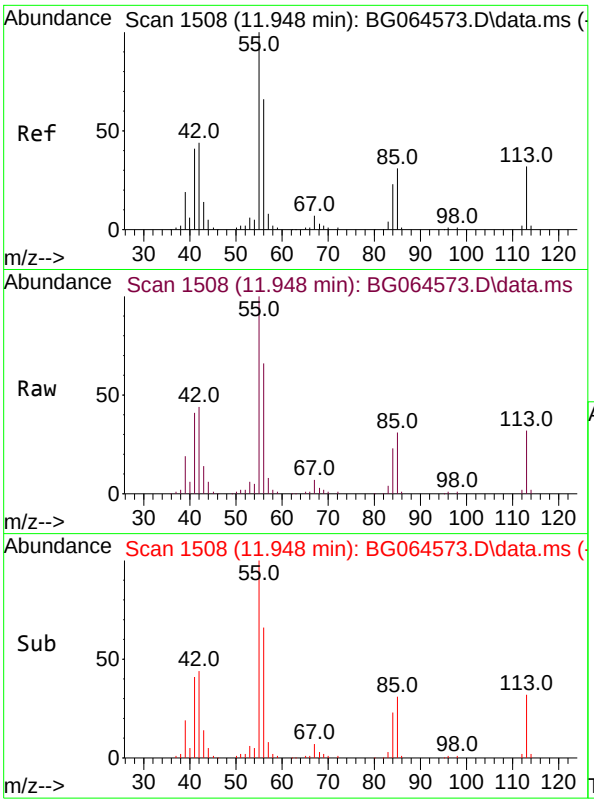


#34
Hexachlorobutadiene
Concen: 42.139 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:225 Resp: 98683

Ion	Ratio	Lower	Upper
225	100		
223	61.0	48.8	73.2
227	61.9	49.5	74.3





#35
Caprolactam
Concen: 43.731 ng
RT: 11.948 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:113 Resp: 4420

Ion	Ratio	Lower	Upper
113	100		
55	310.1	290.1	330.1
56	203.8	183.8	223.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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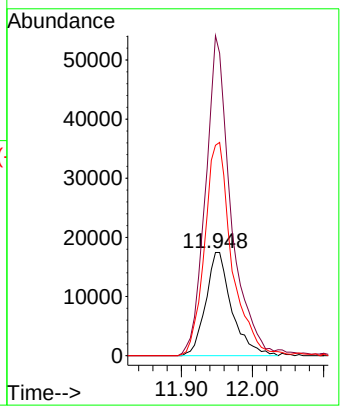
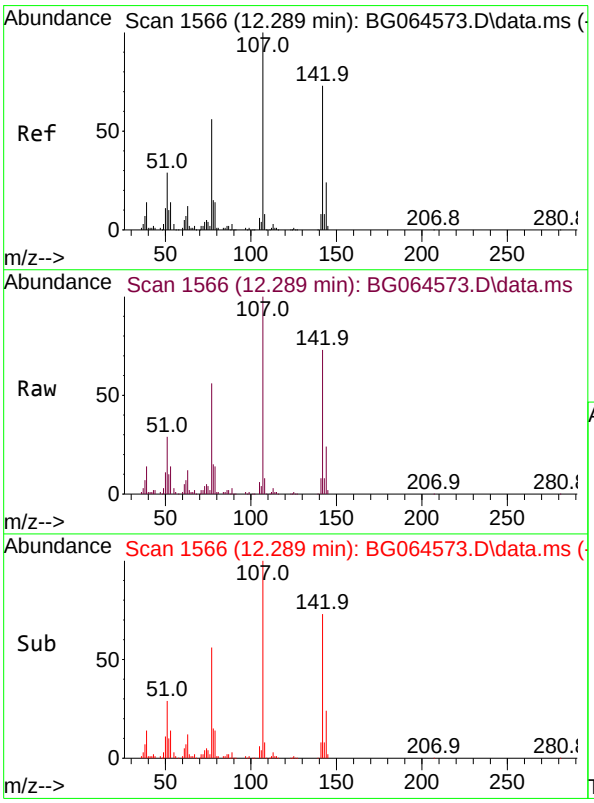
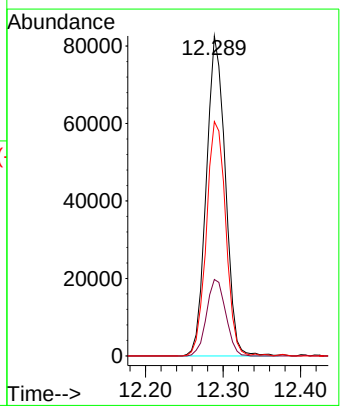


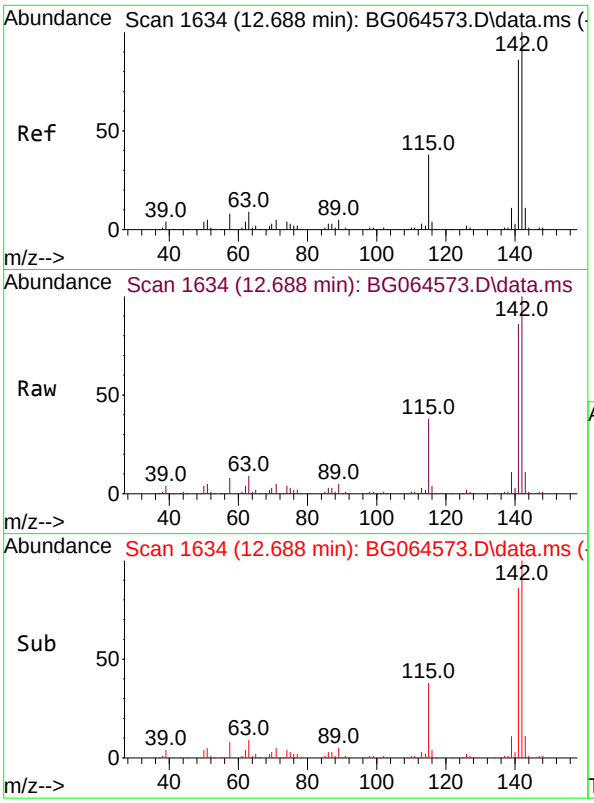


#36
4-Chloro-3-methylphenol
Concen: 44.278 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 140272

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	73.2	58.6	87.8





#37
2-Methylnaphthalene
Concen: 42.499 ng
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:142 Resp: 285089

Ion	Ratio	Lower	Upper
142	100		
141	86.1	68.9	103.3
115	38.3	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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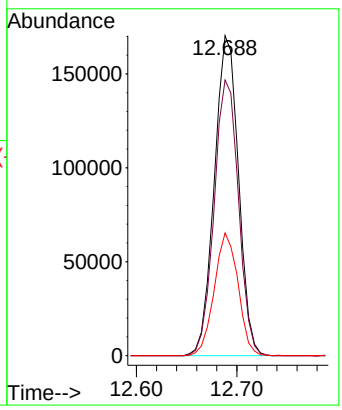
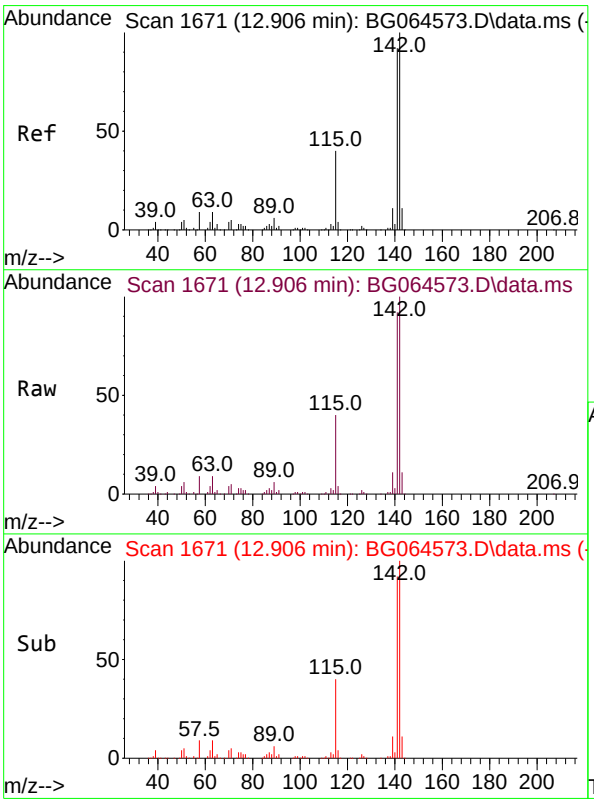
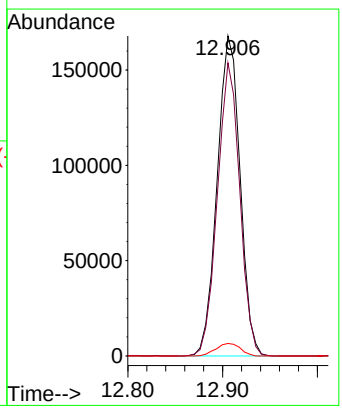


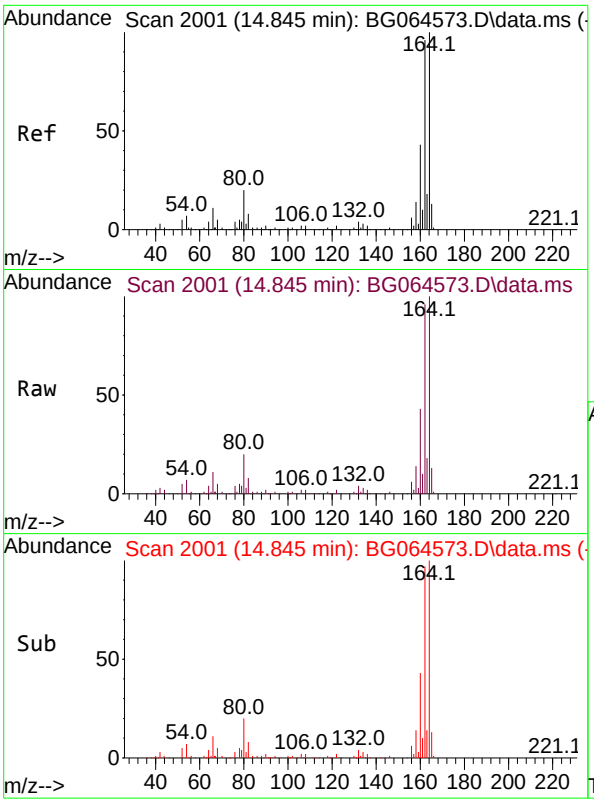


#38
1-Methylnaphthalene
Concen: 42.362 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:142 Resp: 281256

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.3	109.9
116	3.9	3.1	4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:164 Resp: 13054

Ion	Ratio	Lower	Upper
164	100		
162	96.3	77.0	115.6
160	43.0	34.4	51.6

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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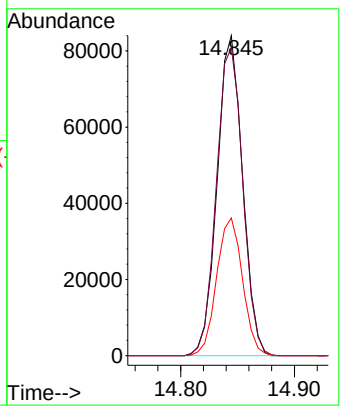
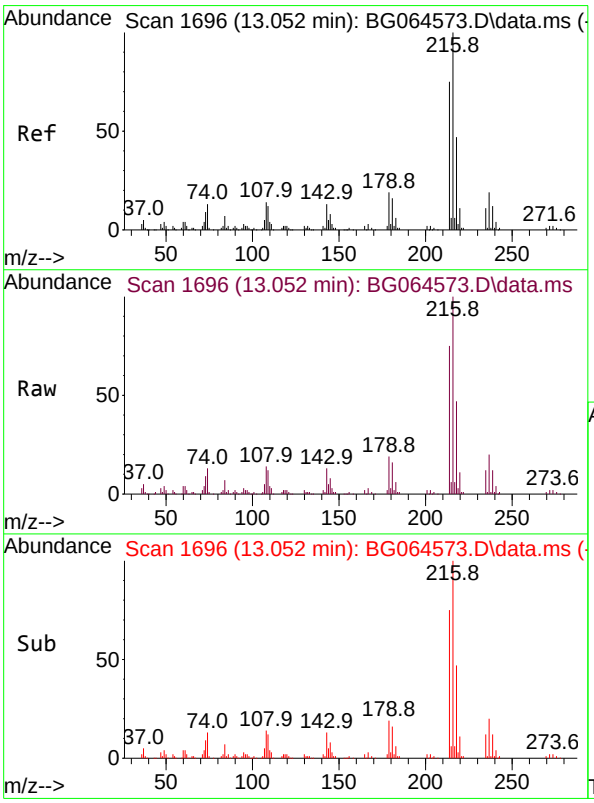
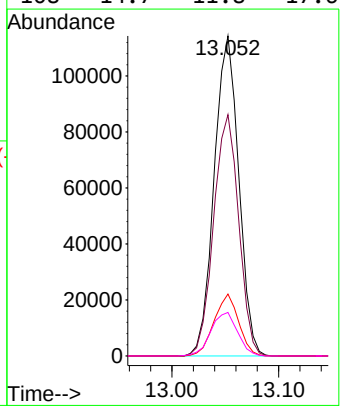


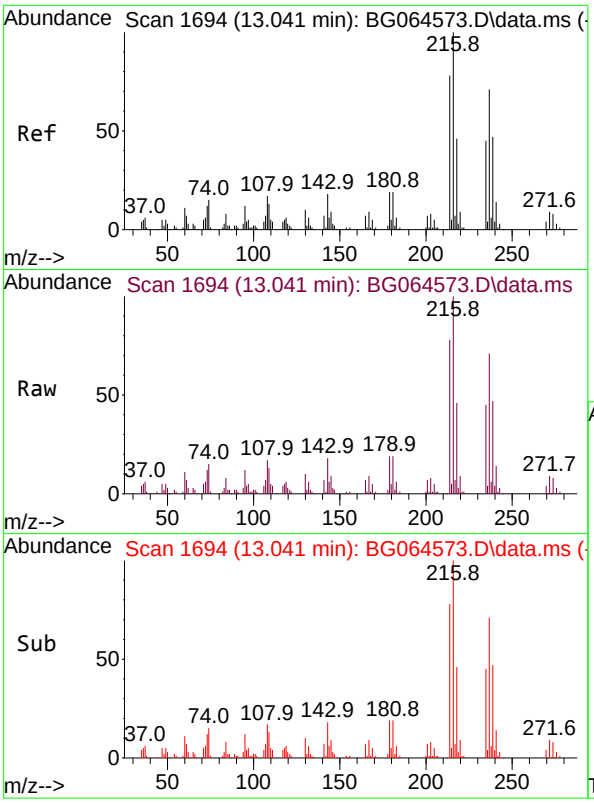


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.856 ng
RT: 13.052 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:216 Resp: 183376

Ion	Ratio	Lower	Upper
216	100		
214	76.8	61.4	92.2
179	19.2	15.4	23.0
108	14.7	11.8	17.6





#41
Hexachlorocyclopentadiene
Concen: 42.853 ng
RT: 13.041 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:237 Resp: 8450

Ion	Ratio	Lower	Upper
237	100		
235	64.1	44.1	84.1
272	12.4	0.0	32.4

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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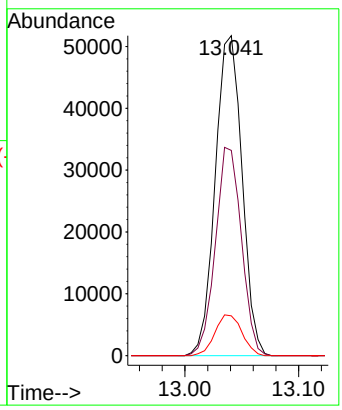
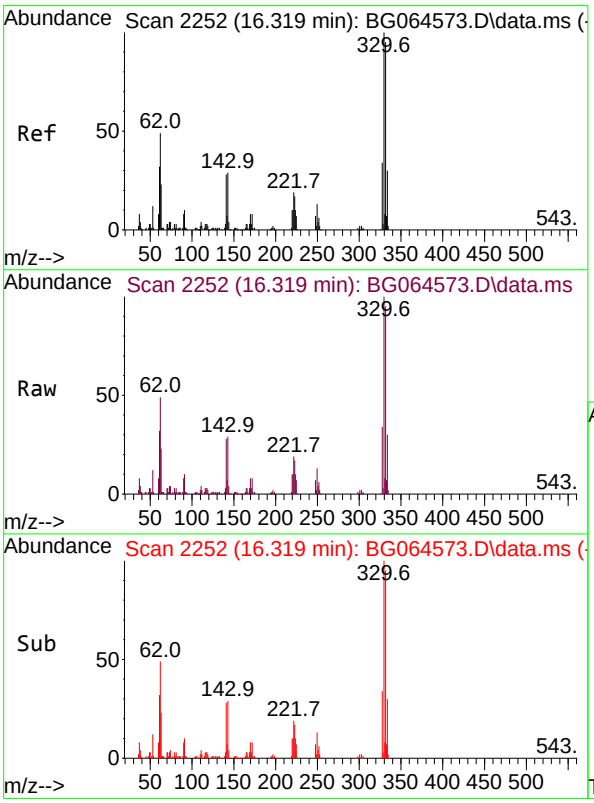
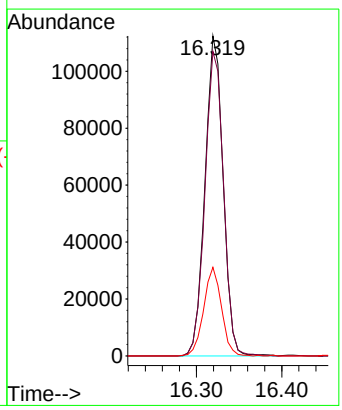


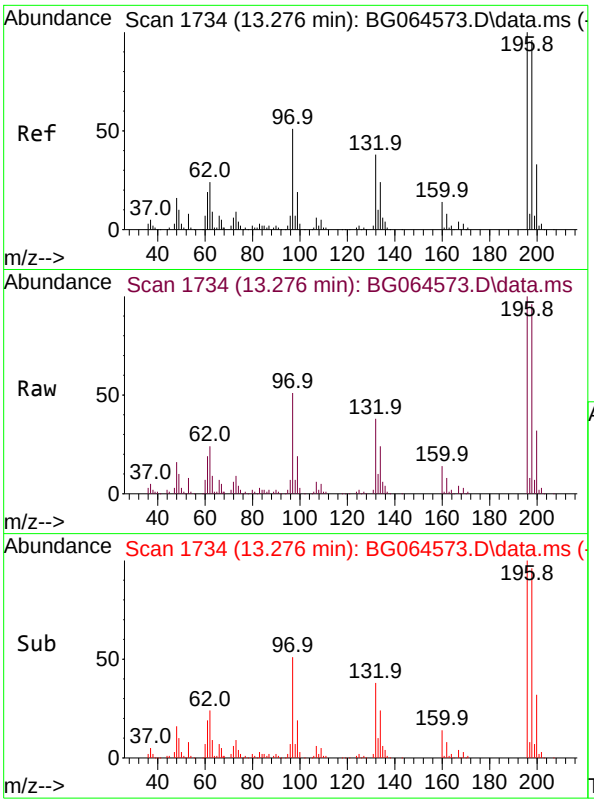


#42
2,4,6-Tribromophenol
Concen: 88.092 ng
RT: 16.319 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:330 Resp: 165976

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	27.2	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 44.097 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:196 Resp: 110509

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	115.0
200	32.5	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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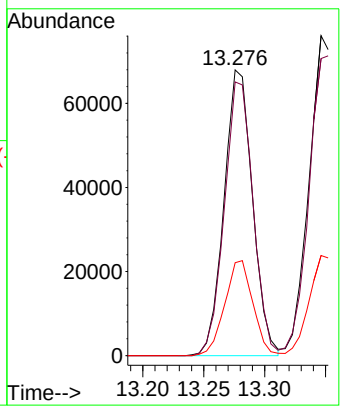
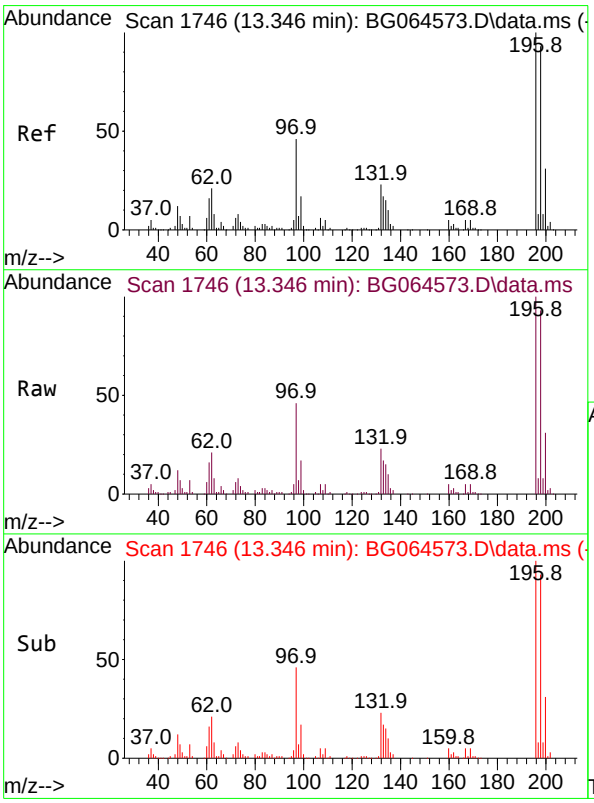
Supervised By :mohammad ahmed 11/05/2025

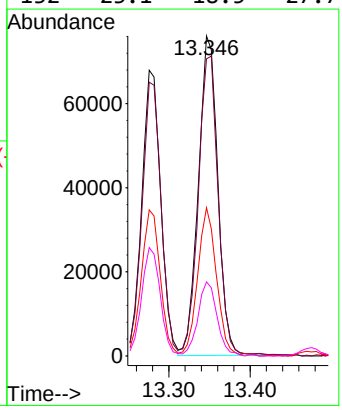


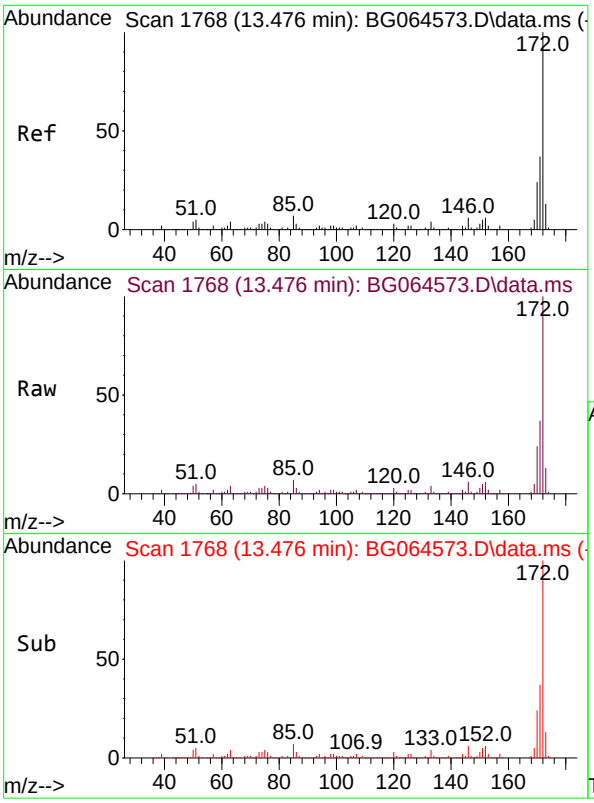


#44
2,4,5-Trichlorophenol
Concen: 43.694 ng
RT: 13.346 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:196 Resp: 126360

Ion	Ratio	Lower	Upper
196	100		
198	92.8	74.2	111.4
97	46.3	37.0	55.6
132	23.1	18.5	27.7





#45
2-Fluorobiphenyl
Concen: 83.888 ng
RT: 13.476 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:172 Resp: 72247

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	23.9	19.1	28.7

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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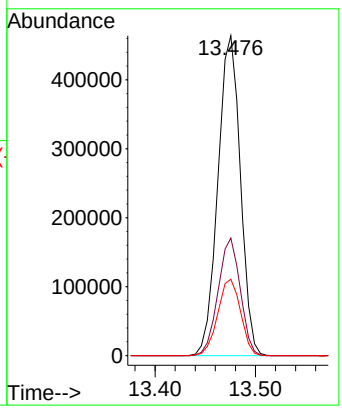
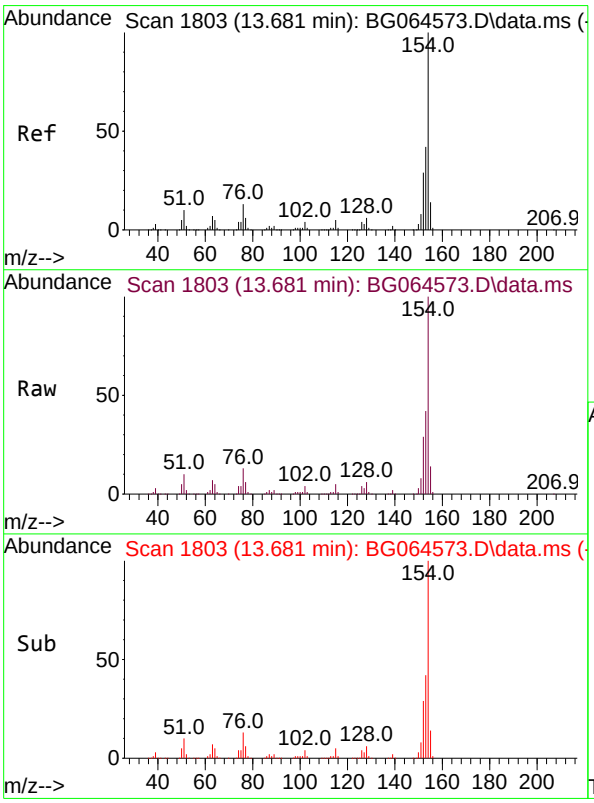
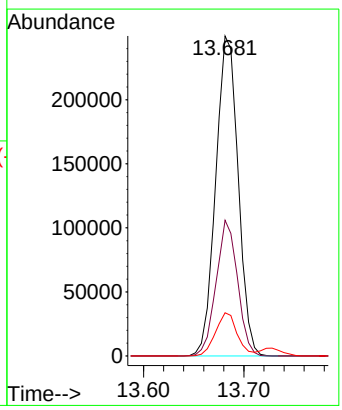


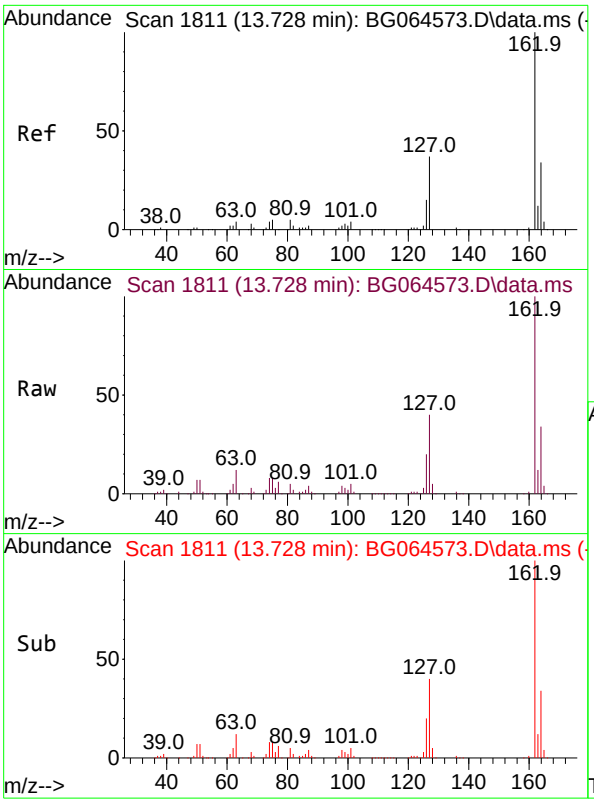


#46
1,1'-Biphenyl
Concen: 41.885 ng
RT: 13.681 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:154 Resp: 388718

Ion	Ratio	Lower	Upper
154	100		
153	42.4	22.4	62.4
76	13.5	0.0	33.5





#47
2-Chloronaphthalene
Concen: 42.182 ng
RT: 13.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:162 Resp: 29550

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	34.4	27.5	41.3

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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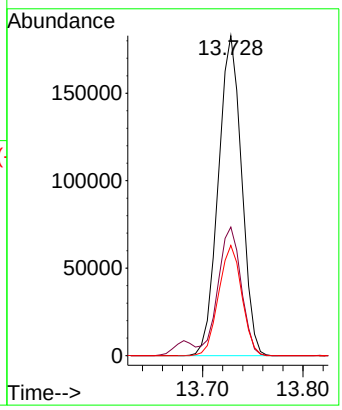
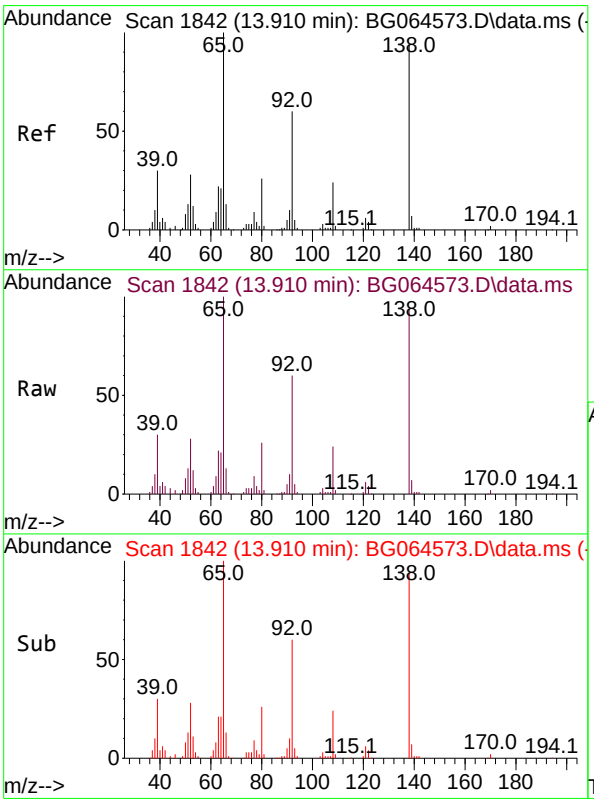
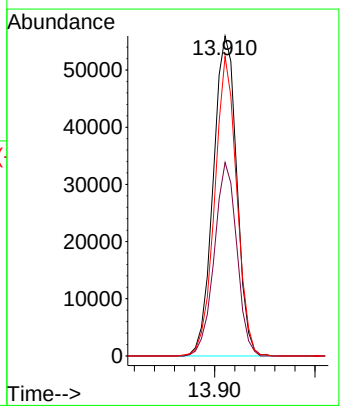


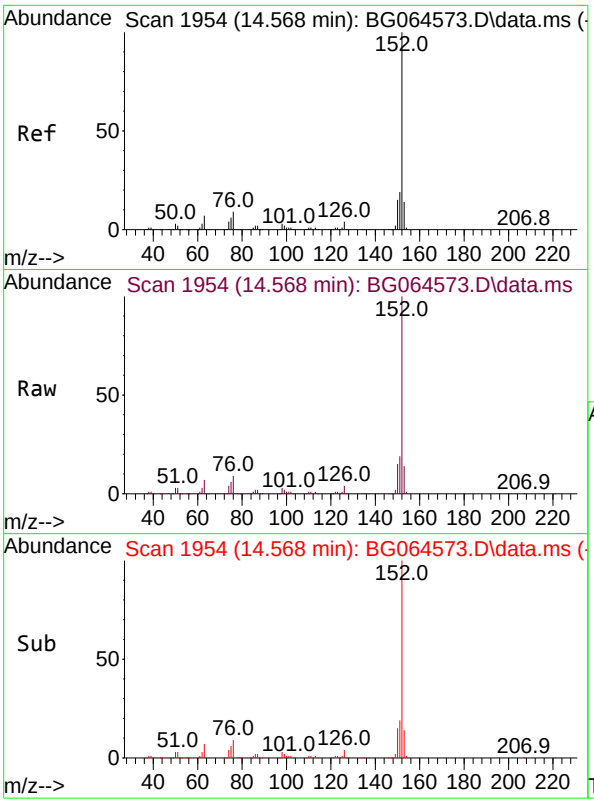


#48
2-Nitroaniline
Concen: 39.303 ng
RT: 13.910 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 65 Resp: 90958

Ion	Ratio	Lower	Upper
65	100		
92	60.4	48.3	72.5
138	93.6	74.9	112.3





#49
Acenaphthylene
Concen: 42.209 ng
RT: 14.568 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:152 Resp: 46639

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	13.7	11.0	16.4

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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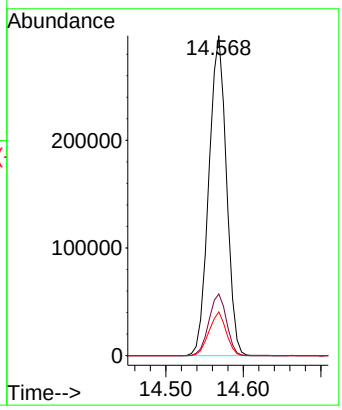
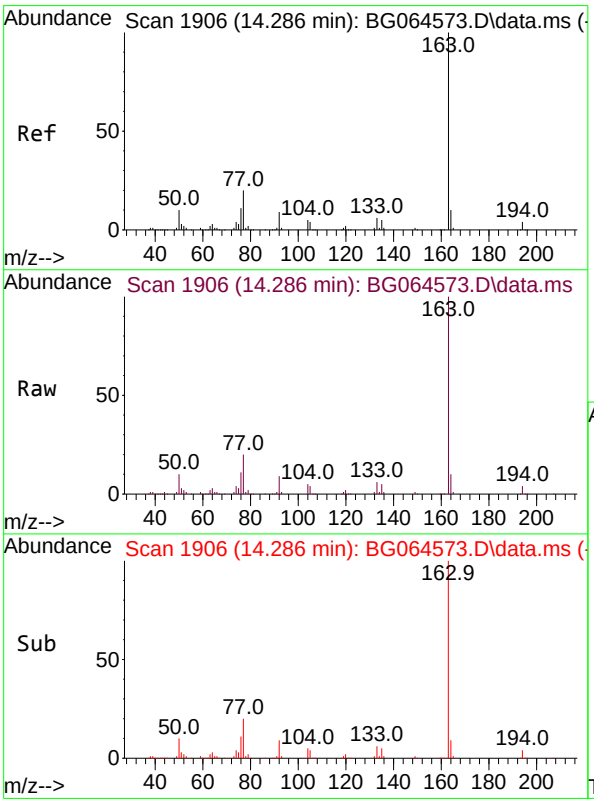
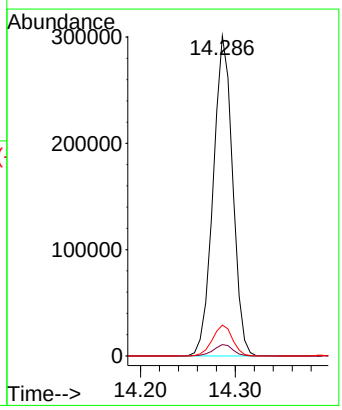


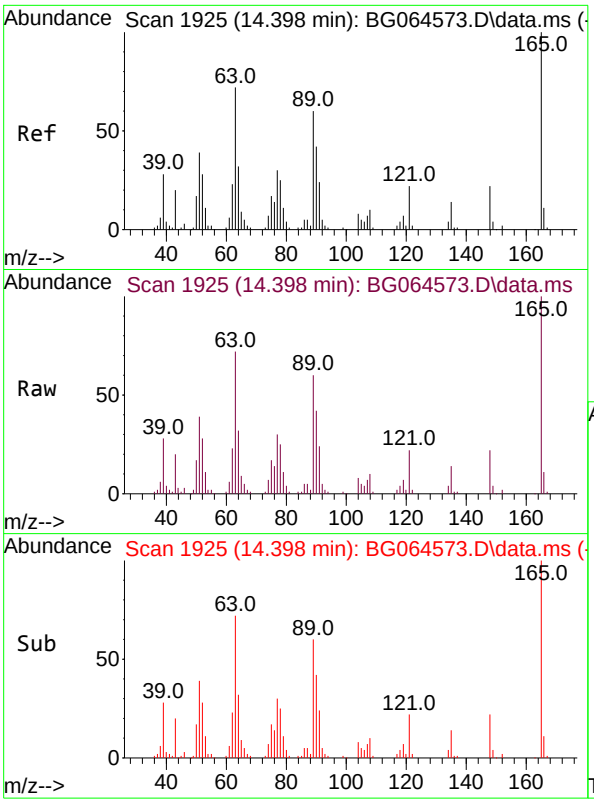


#50
Dimethylphthalate
Concen: 42.894 ng
RT: 14.286 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:163 Resp: 428475

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.6	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 39.696 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:165 Resp: 6445

Ion	Ratio	Lower	Upper
165	100		
63	71.7	57.4	86.0
89	59.8	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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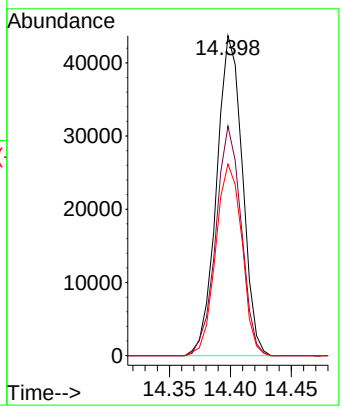
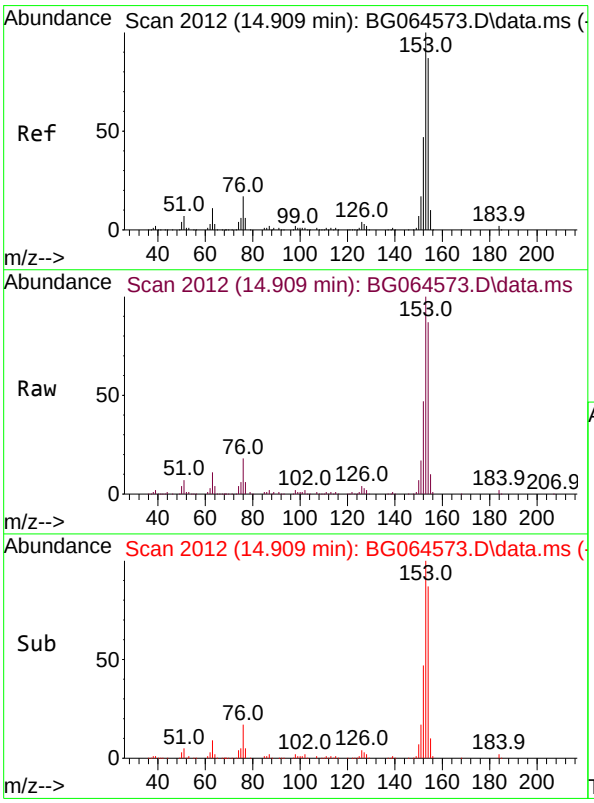
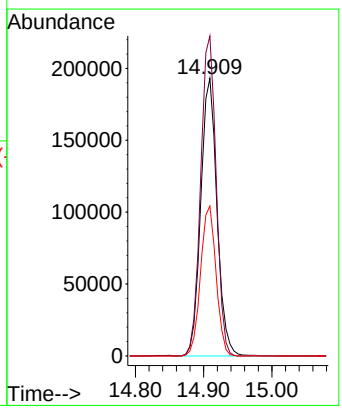


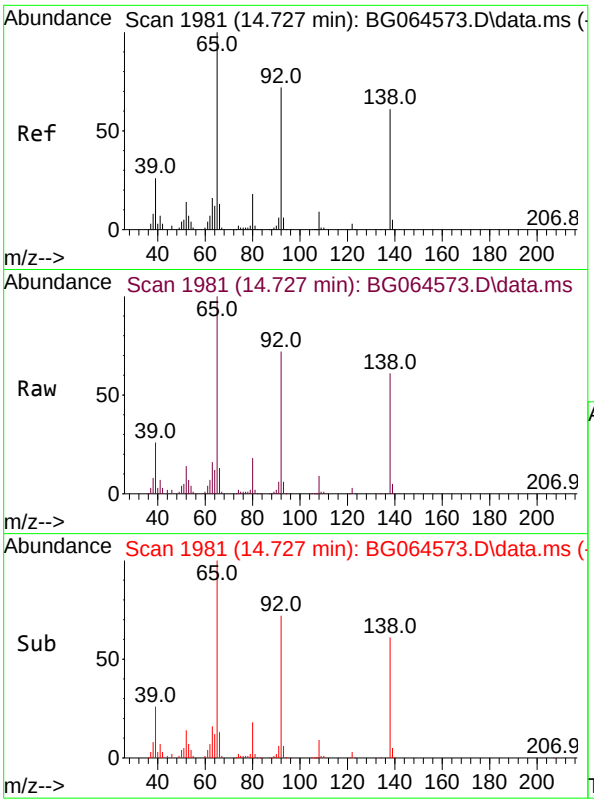


#52
Acenaphthene
Concen: 42.289 ng
RT: 14.909 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:154 Resp: 319250

Ion	Ratio	Lower	Upper
154	100		
153	115.3	92.2	138.4
152	54.0	43.2	64.8





#53
3-Nitroaniline
Concen: 44.762 ng
RT: 14.727 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:138 Resp: 7684

Ion	Ratio	Lower	Upper
138	100		
108	14.2	11.4	17.0
92	119.1	95.3	142.9

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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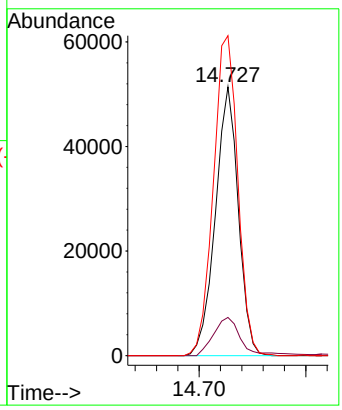
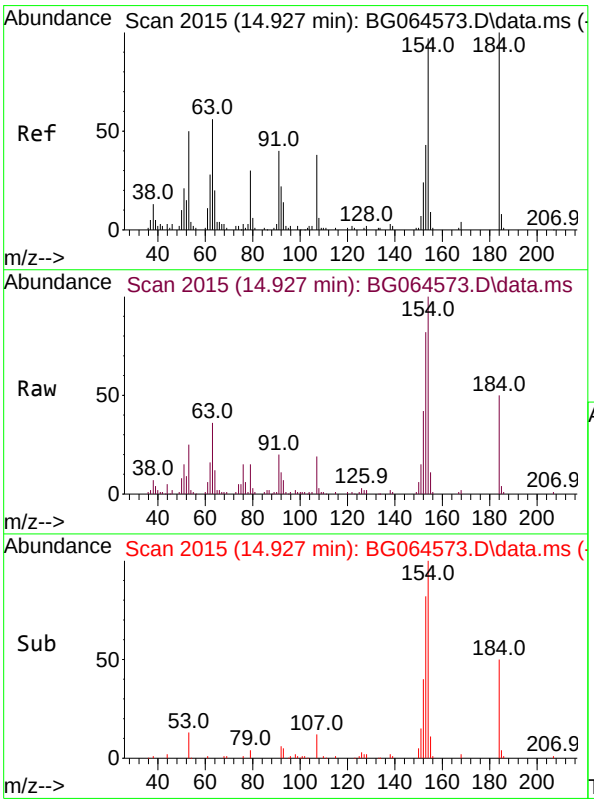
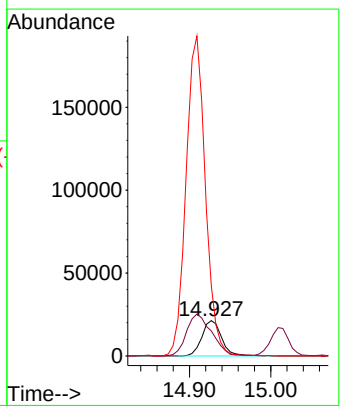


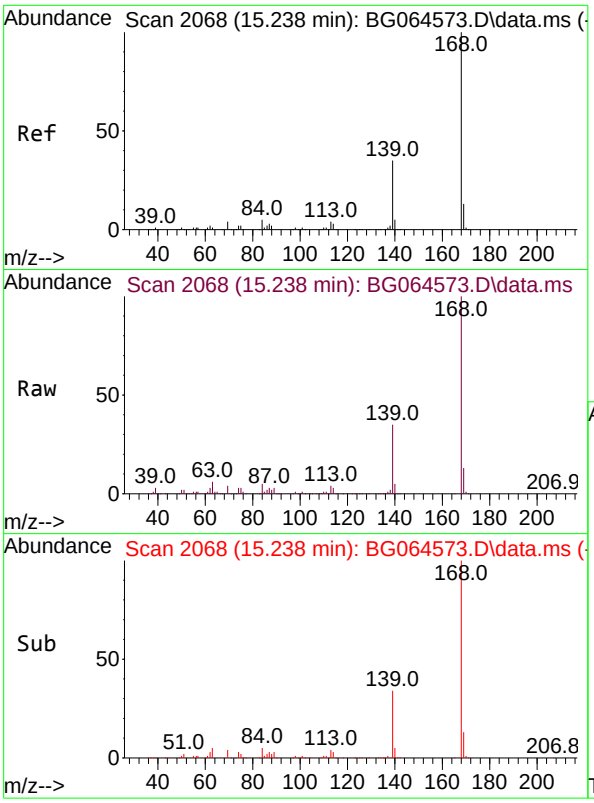


#54
2,4-Dinitrophenol
Concen: 38.390 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:184 Resp: 35677

Ion	Ratio	Lower	Upper
184	100		
63	70.8	56.6	85.0
154	198.3	158.6	238.0





#55
Dibenzofuran
Concen: 41.995 ng
RT: 15.238 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:168 Resp: 51254

Ion	Ratio	Lower	Upper
168	100		
139	34.8	27.8	41.8
169	12.9	10.3	15.5

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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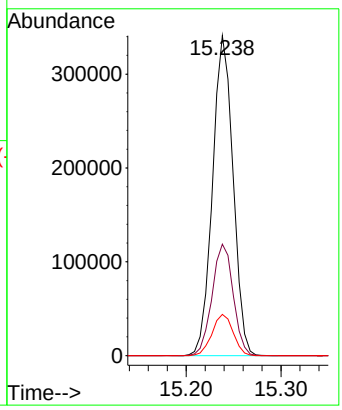
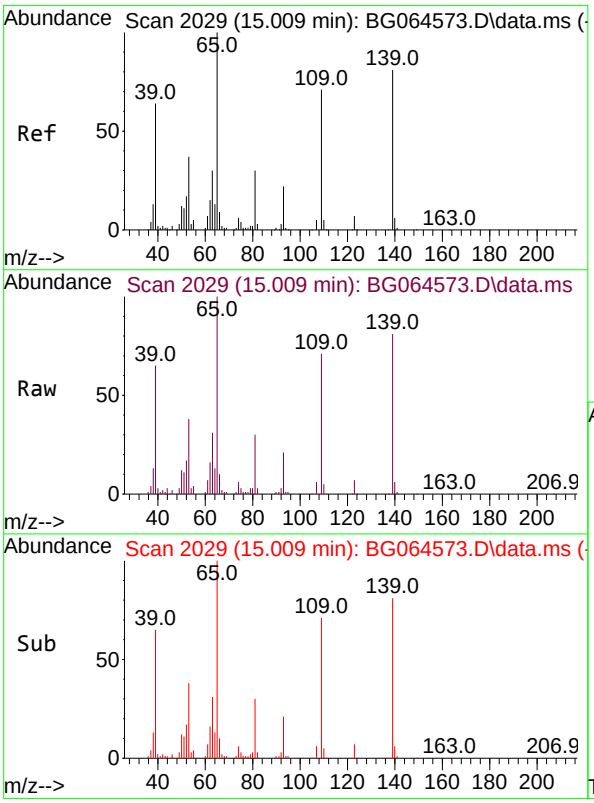
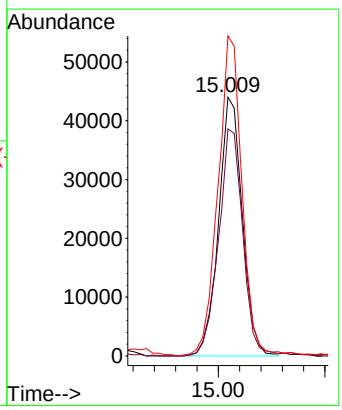


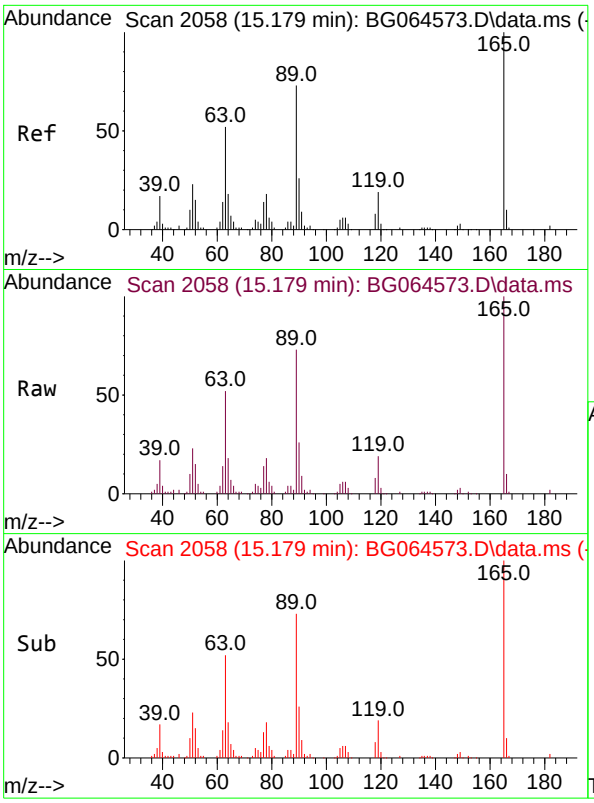


#56
4-Nitrophenol
Concen: 42.765 ng
RT: 15.009 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:139 Resp: 68064

Ion	Ratio	Lower	Upper
139	100		
109	87.8	67.8	107.8
65	123.7	103.7	143.7

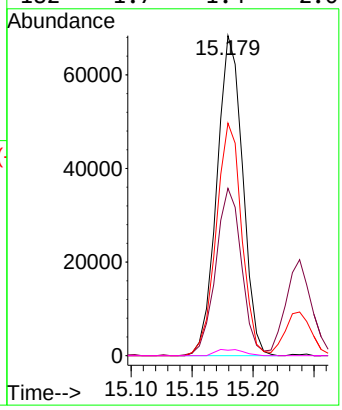




#57
2,4-Dinitrotoluene
Concen: 39.962 ng
RT: 15.179 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:165 Resp: 10044

Ion	Ratio	Lower	Upper
165	100		
63	52.3	41.8	62.8
89	72.6	58.1	87.1
182	1.7	1.4	2.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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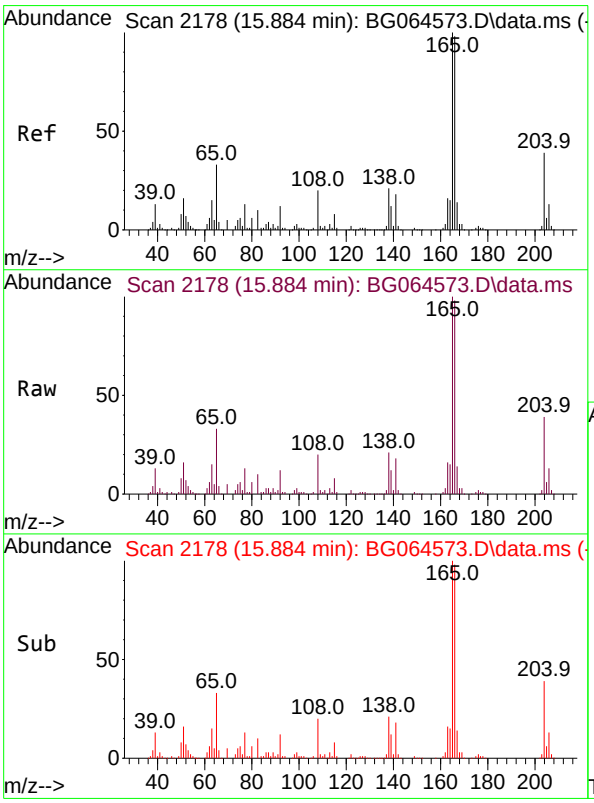
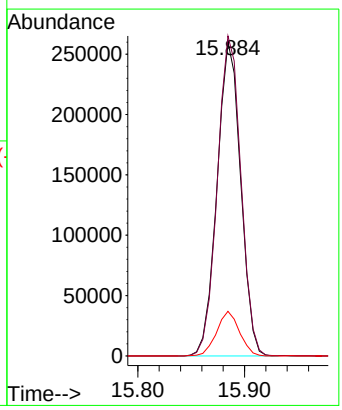
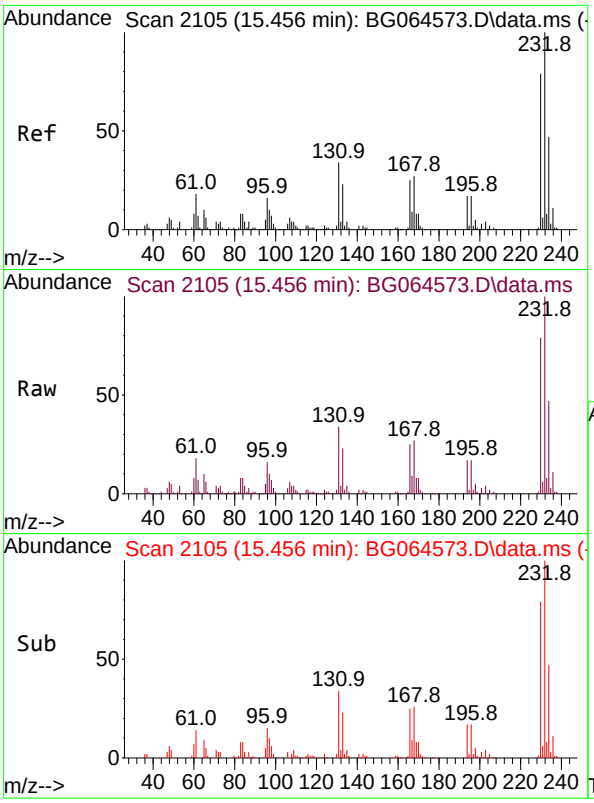


#58
Fluorene
Concen: 41.939 ng
RT: 15.884 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:166 Resp: 399745

Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.5	122.3
167	14.2	11.4	17.0

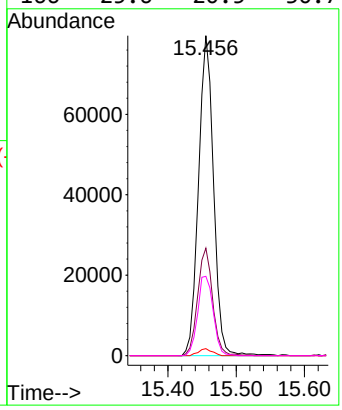




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.030 ng
RT: 15.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:232 Resp: 12176

Ion	Ratio	Lower	Upper
232	100		
131	33.4	26.7	40.1
130	2.0	1.6	2.4
166	25.6	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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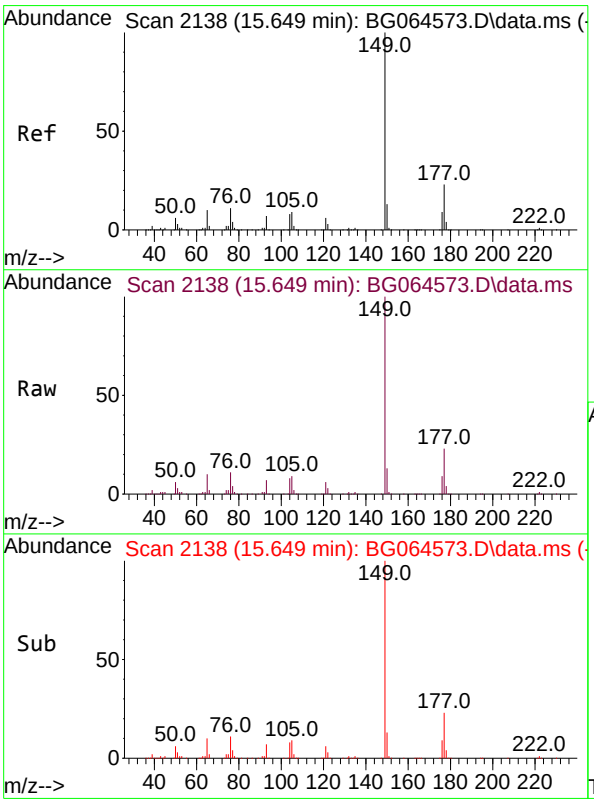
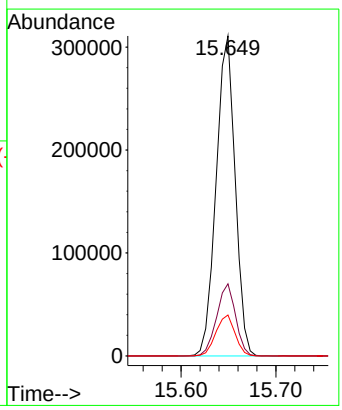
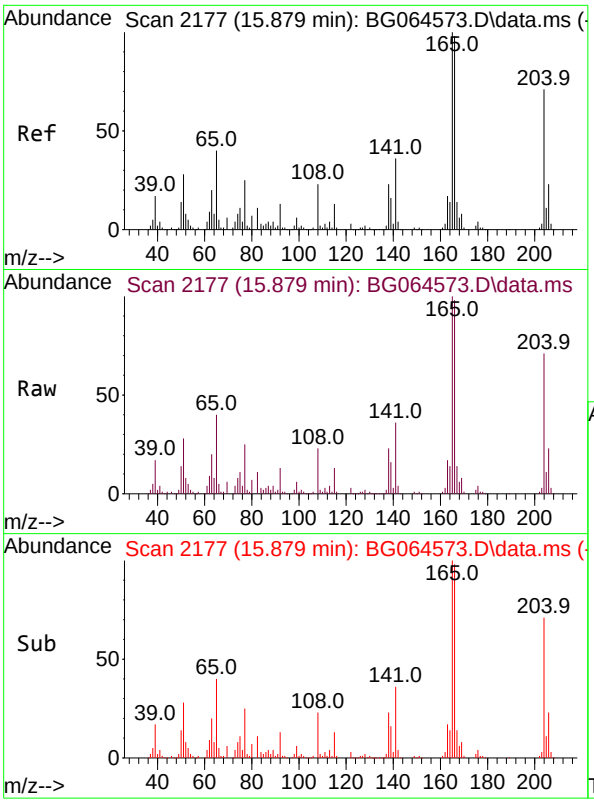


#60
Diethylphthalate
Concen: 42.412 ng
RT: 15.649 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 432571

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.8	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 42.270 ng
RT: 15.879 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:204 Resp: 226104

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	50.7	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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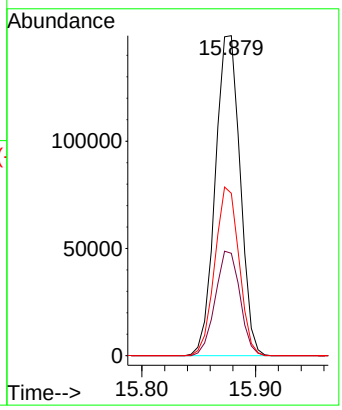
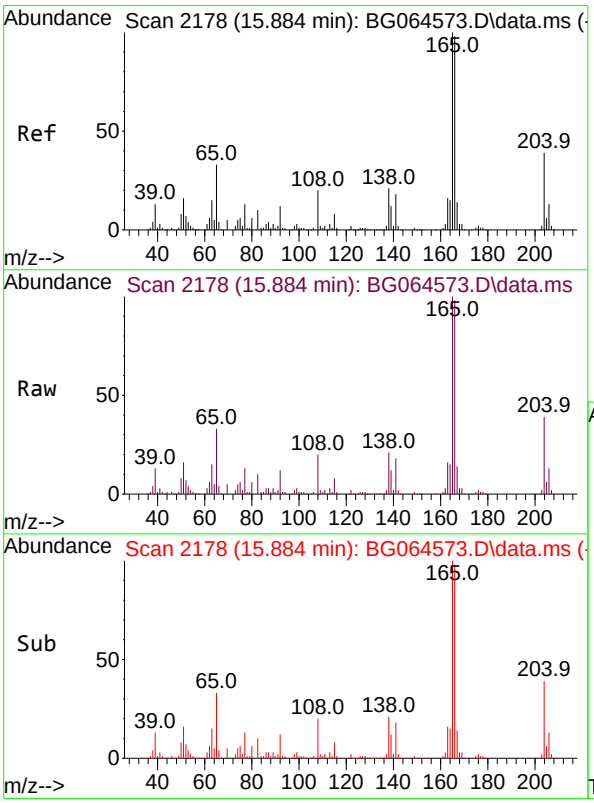
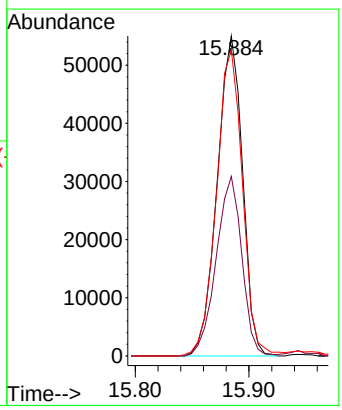


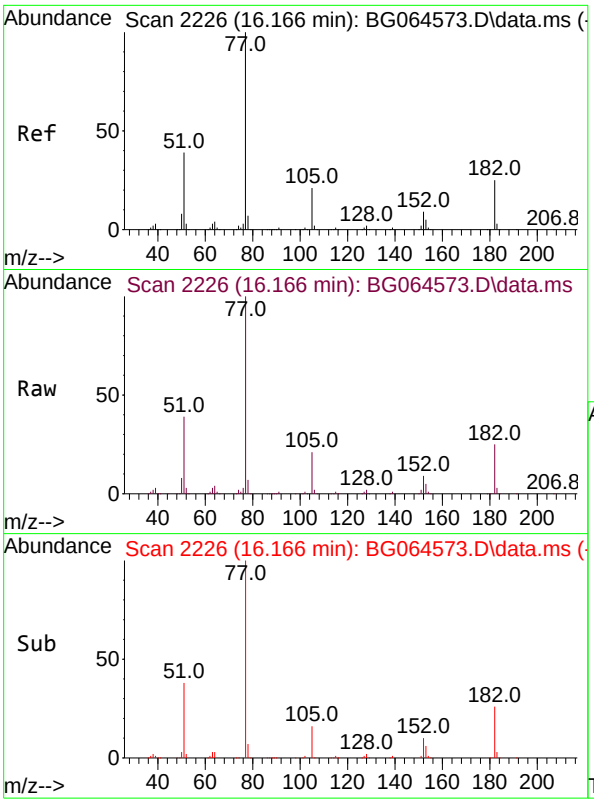


#62
4-Nitroaniline
Concen: 44.662 ng
RT: 15.884 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:138 Resp: 85297

Ion	Ratio	Lower	Upper
138	100		
92	56.1	36.1	76.1
108	95.6	75.6	115.6





#63
Azobenzene
Concen: 42.922 ng
RT: 16.166 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 40167

Ion	Ratio	Lower	Upper
77	100		
182	24.9	4.9	44.9
105	21.3	1.3	41.3
51	39.0	19.0	59.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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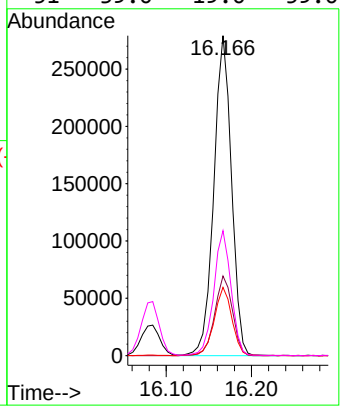
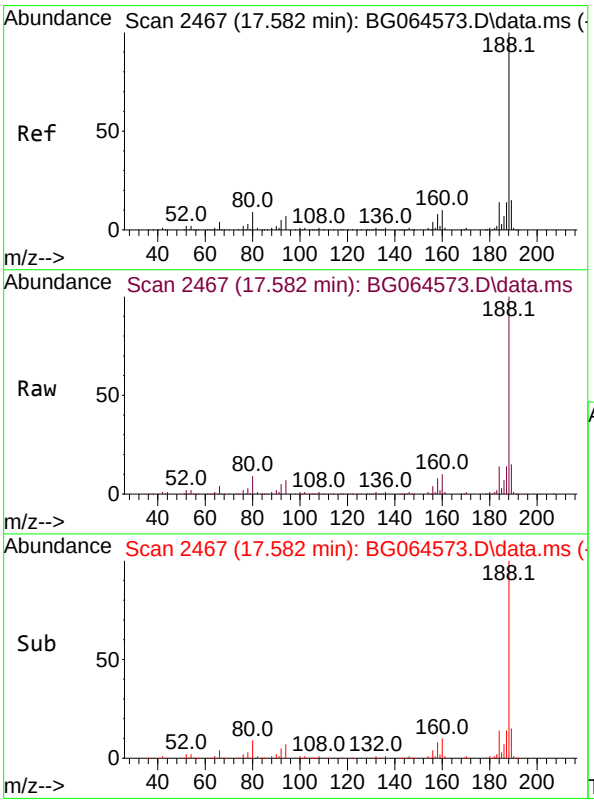
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

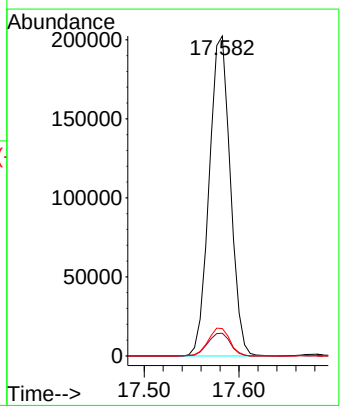


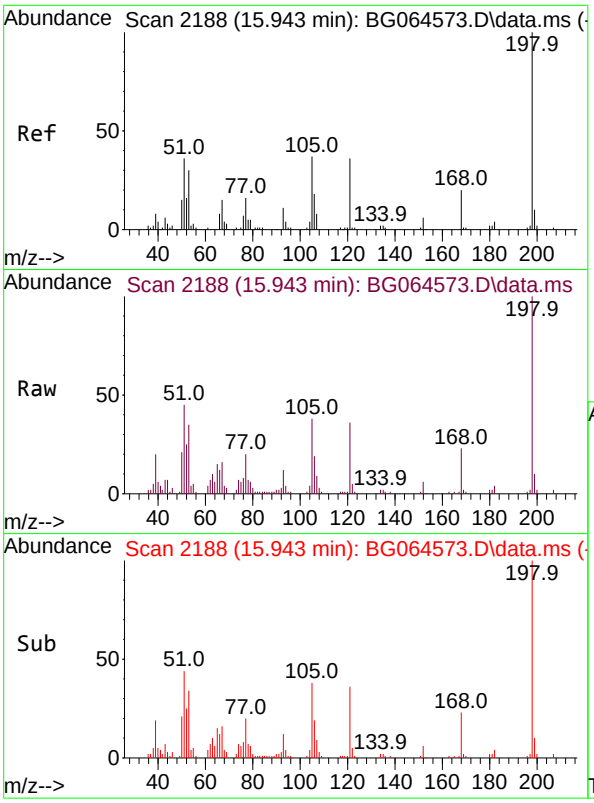


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:188 Resp: 313311

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	8.5	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 38.770 ng
RT: 15.943 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:198 Resp: 5182

Ion	Ratio	Lower	Upper
198	100		
51	44.7	24.7	64.7
105	38.0	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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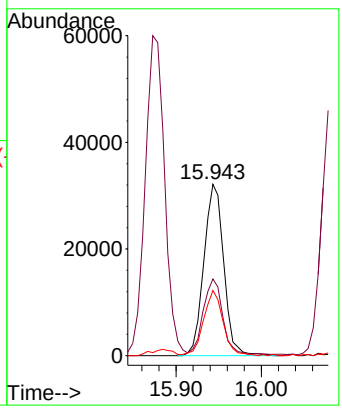
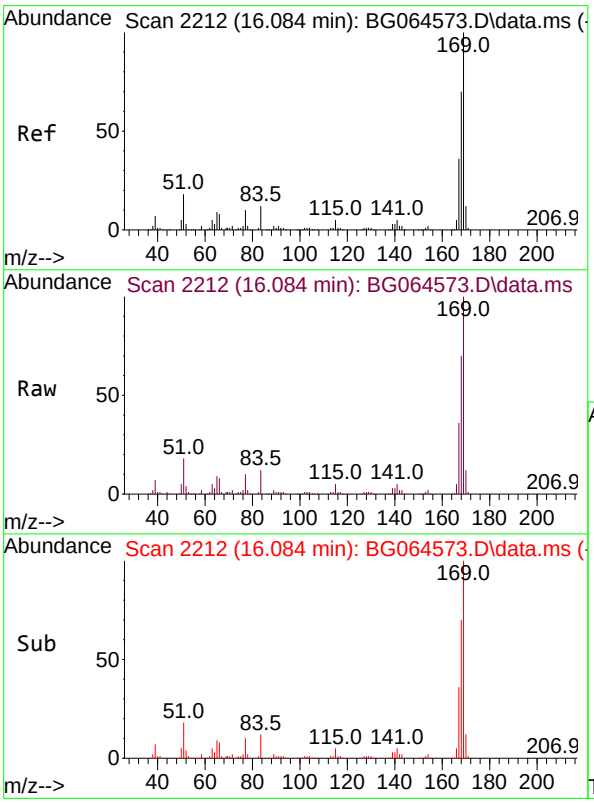
Supervised By :mohammad ahmed 11/05/2025

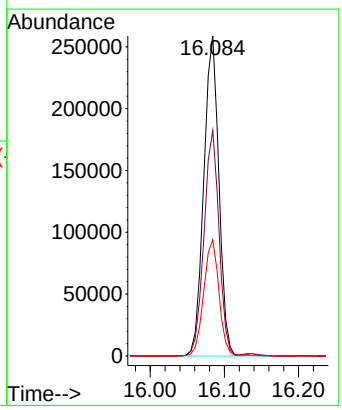


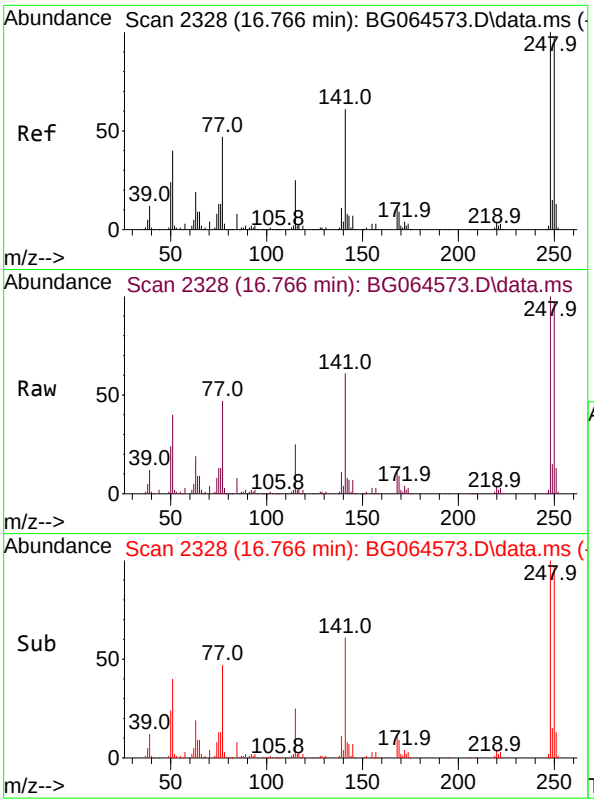


#66
n-Nitrosodiphenylamine
Concen: 43.201 ng
RT: 16.084 min Scan# 2212
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:169 Resp: 365624

Ion	Ratio	Lower	Upper
169	100		
168	70.4	56.3	84.5
167	36.3	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 43.563 ng
RT: 16.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:248 Resp: 16174

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.7	116.5
141	60.7	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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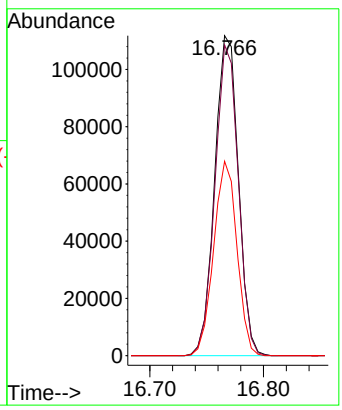
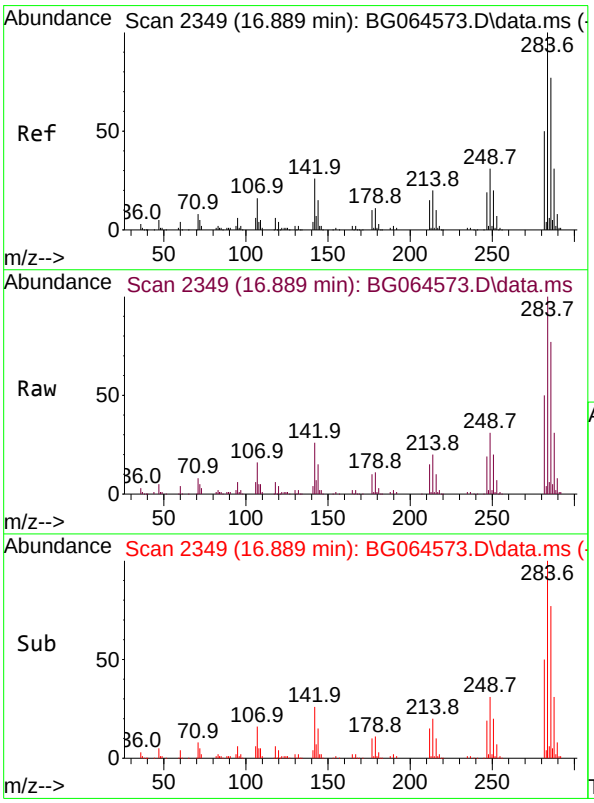
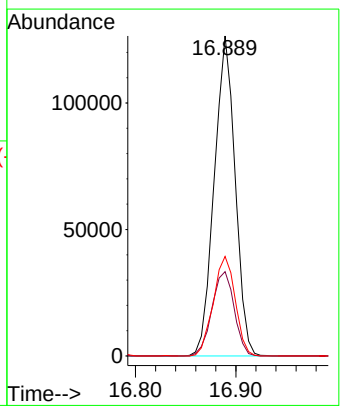


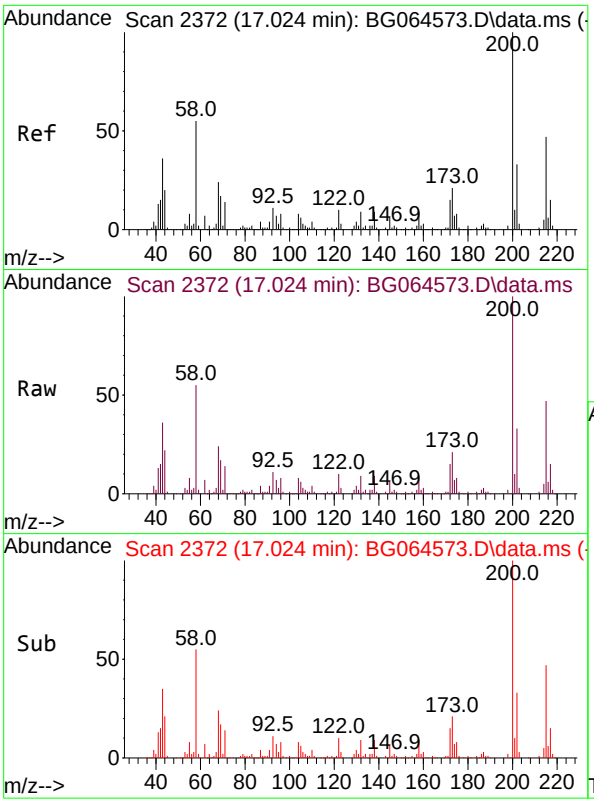


#68
Hexachlorobenzene
Concen: 43.265 ng
RT: 16.889 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:284 Resp: 183262

Ion	Ratio	Lower	Upper
284	100		
142	26.3	21.0	31.6
249	31.1	24.9	37.3





#69
Atrazine
Concen: 42.203 ng
RT: 17.024 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:200 Resp: 153706

Ion	Ratio	Lower	Upper
200	100		
173	20.9	0.9	40.9
215	47.0	27.0	67.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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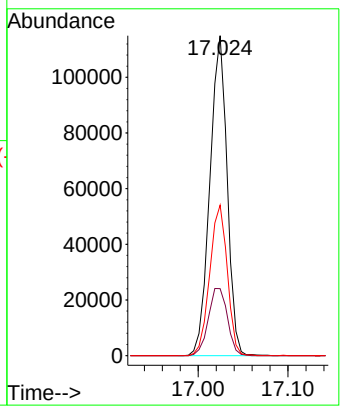
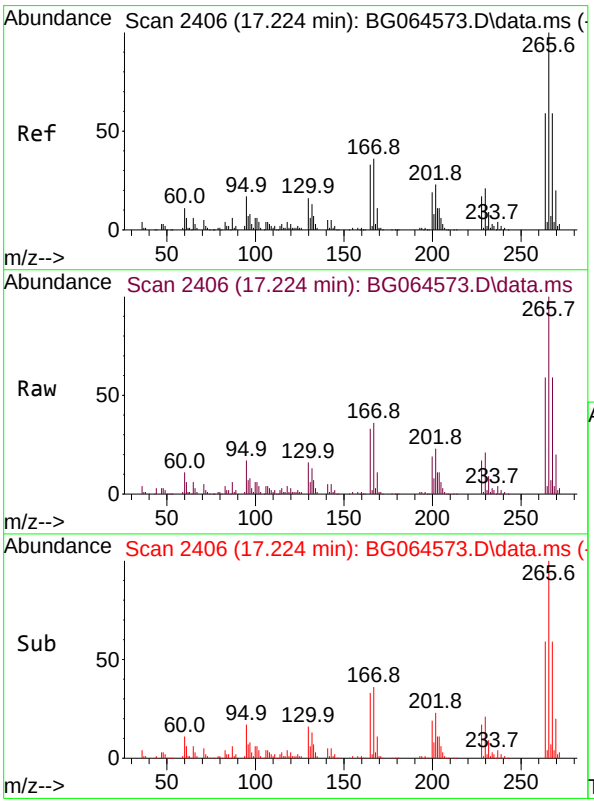
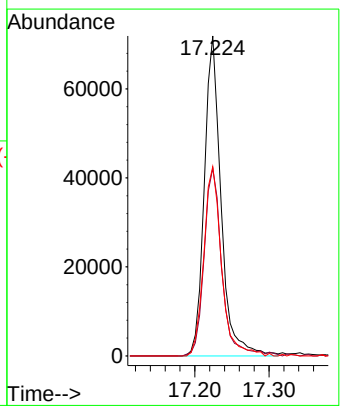


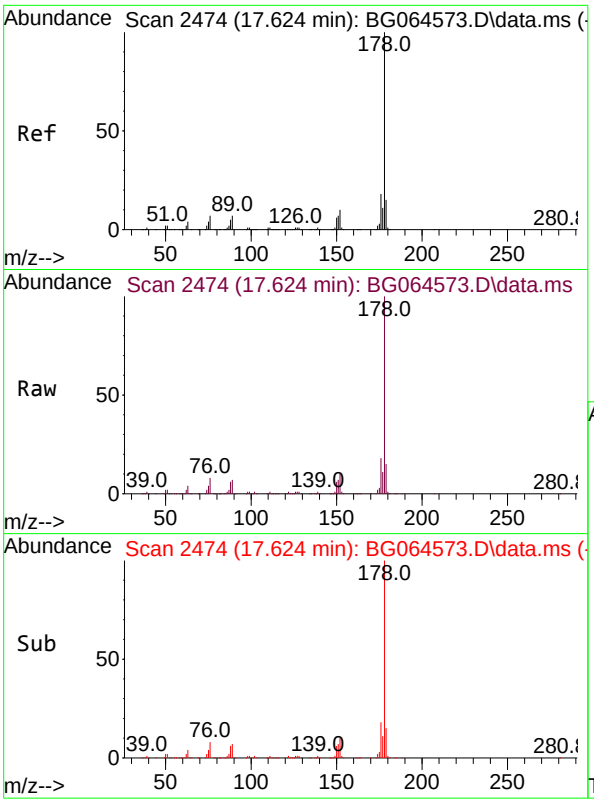


#70
Pentachlorophenol
Concen: 42.694 ng
RT: 17.224 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:266 Resp: 112769

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.3	75.5
264	59.1	47.3	70.9





#71
Phenanthrene
Concen: 42.500 ng
RT: 17.624 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:178 Resp: 728184

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.3	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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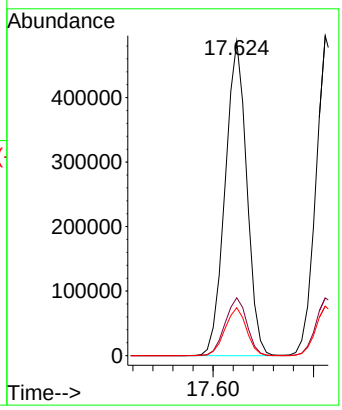
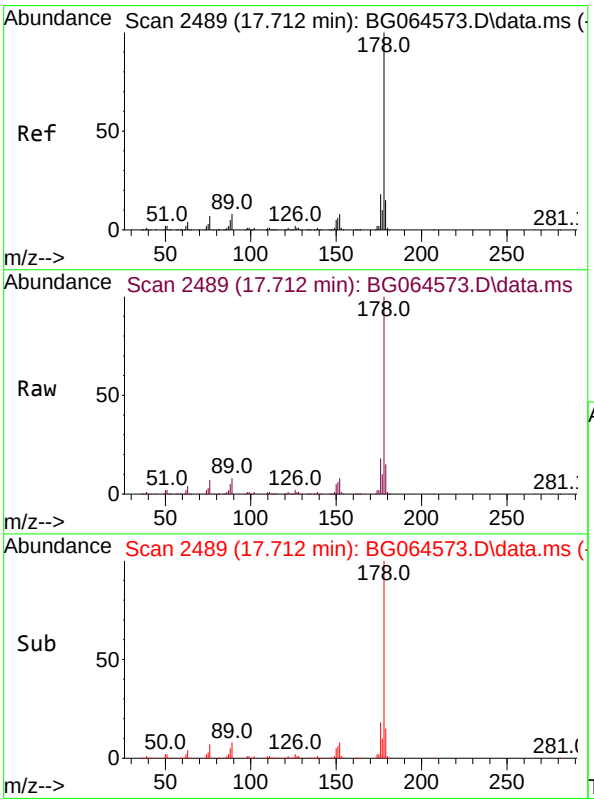
Supervised By :mohammad ahmed 11/05/2025

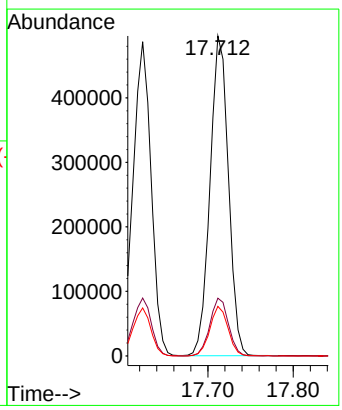


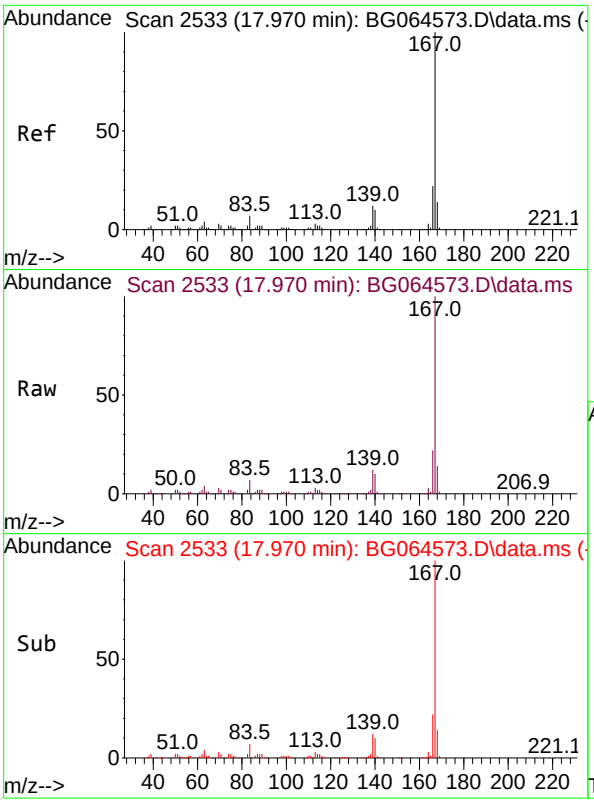


#72
Anthracene
Concen: 42.663 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:178 Resp: 743567

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.4	21.6
179	15.5	12.4	18.6





#73
Carbazole
Concen: 42.053 ng
RT: 17.970 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:167 Resp: 646319

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.1	9.7	14.5

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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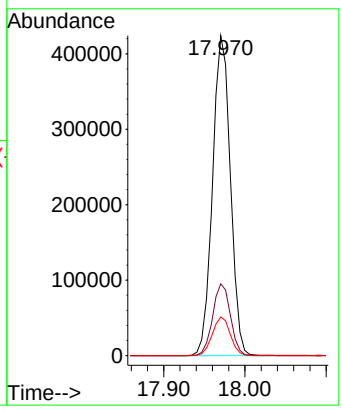
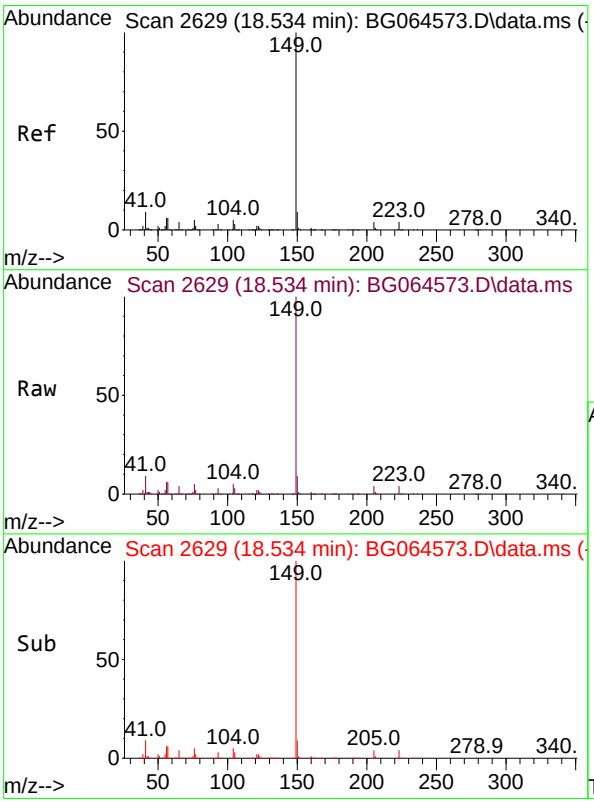
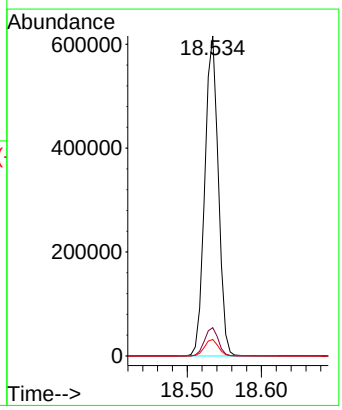


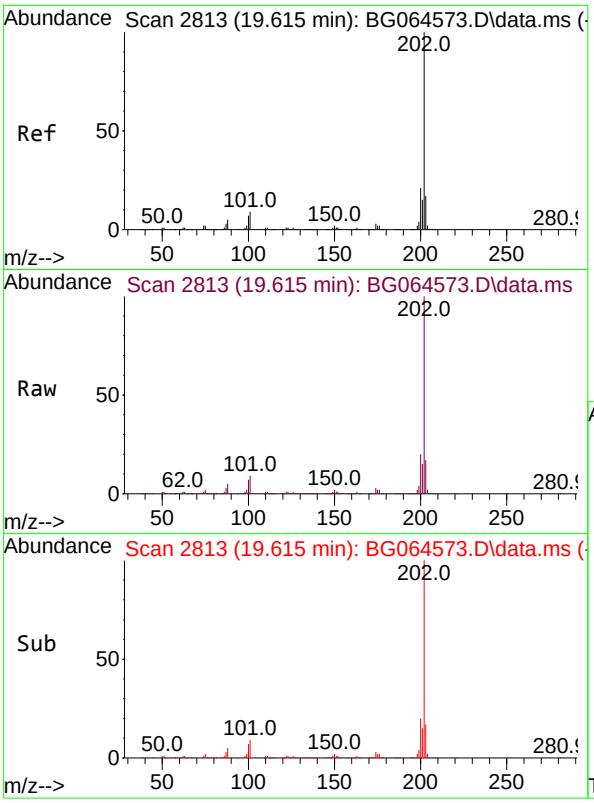


#74
Di-n-butylphthalate
Concen: 43.711 ng
RT: 18.534 min Scan# 2629
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 776847

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.1	4.1	6.1





#75
Fluoranthene
Concen: 42.050 ng
RT: 19.615 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:202 Resp: 90255

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.7
203	17.0	0.0	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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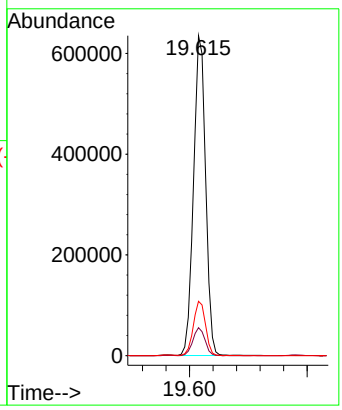
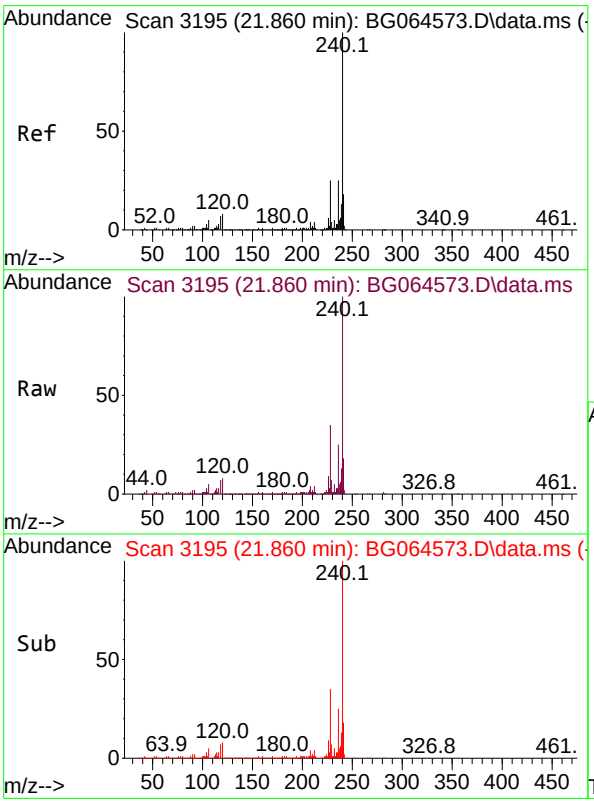
Supervised By :mohammad ahmed 11/05/2025

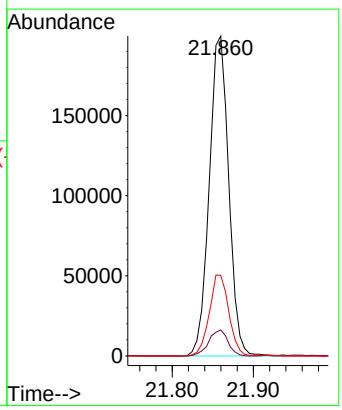


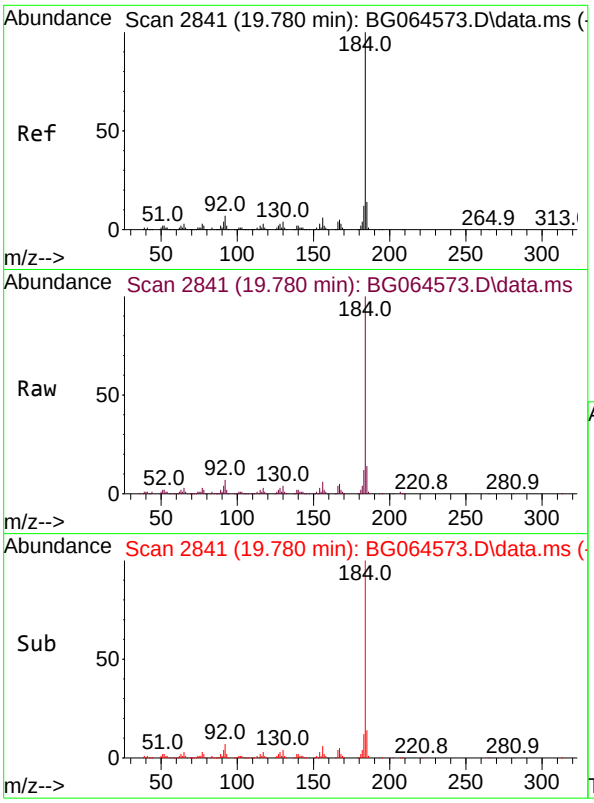


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.860 min Scan# 3195
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:240 Resp: 332834

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	25.2	20.2	30.2





#77
Benzidine
Concen: 43.697 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:184 Resp: 32584

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.8	9.4	14.2

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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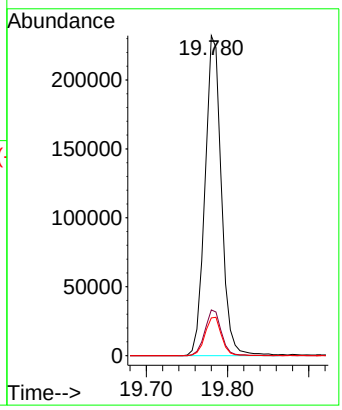
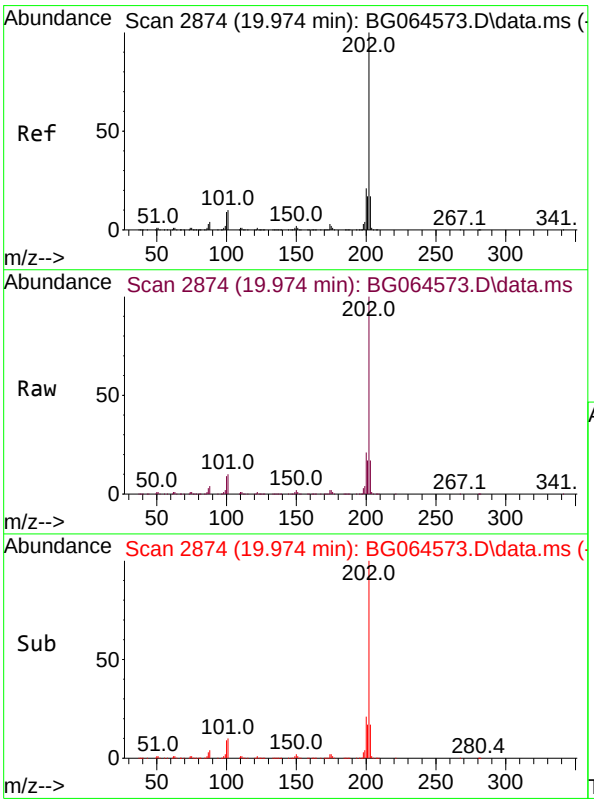
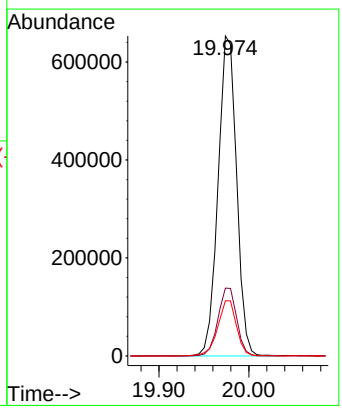


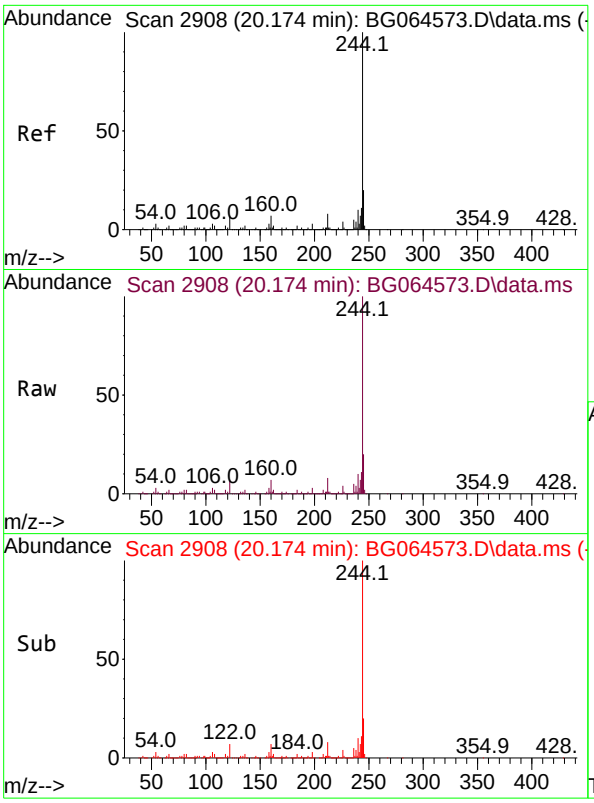


#78
Pyrene
Concen: 43.186 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:202 Resp: 939110

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.2	13.8	20.6





#79
Terphenyl-d14
Concen: 86.242 ng
RT: 20.174 min Scan# 29
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:244 Resp: 1521028

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	7.0	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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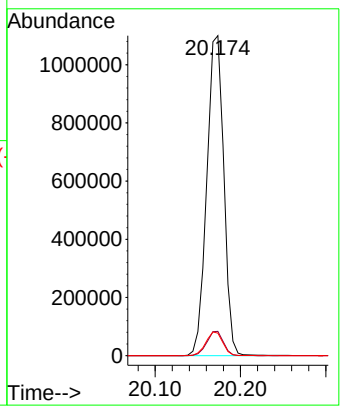
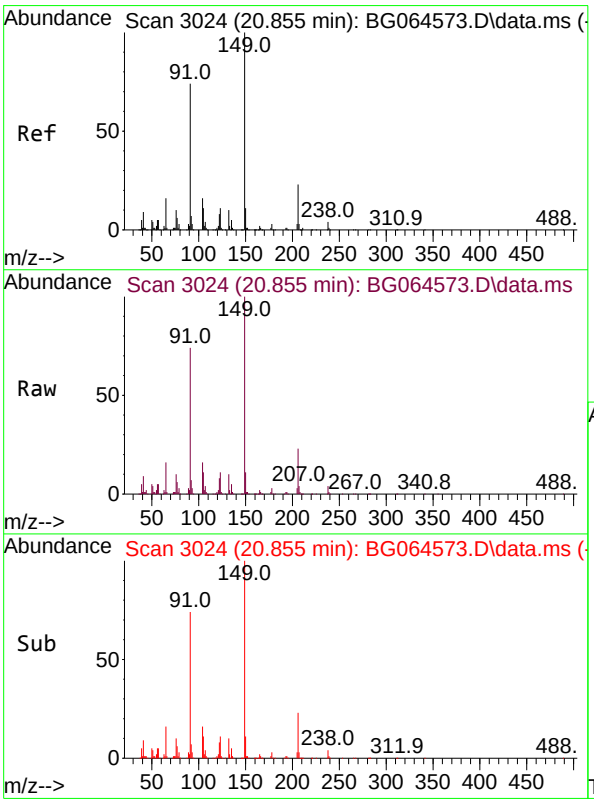
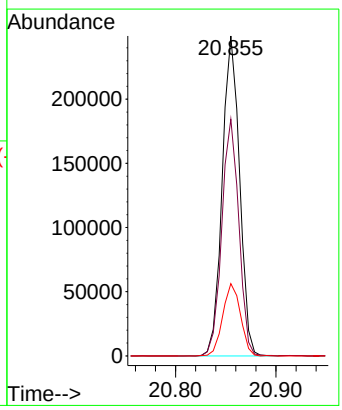


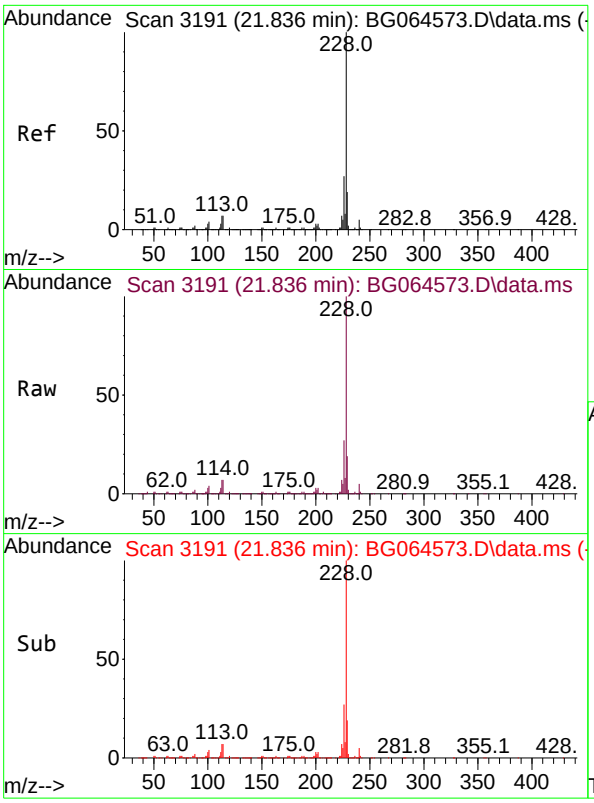


#80
Butylbenzylphthalate
Concen: 45.601 ng
RT: 20.855 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 299706

Ion	Ratio	Lower	Upper
149	100		
91	74.0	59.2	88.8
206	22.6	18.1	27.1





#81
Benzo(a)anthracene
Concen: 42.723 ng
RT: 21.836 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:228 Resp: 942839

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	19.5	15.6	23.4

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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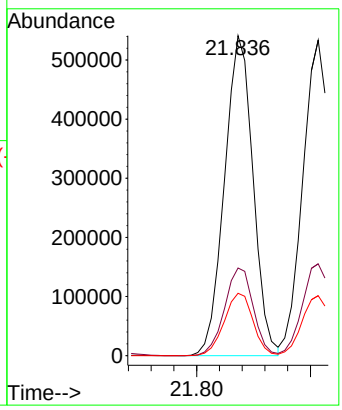
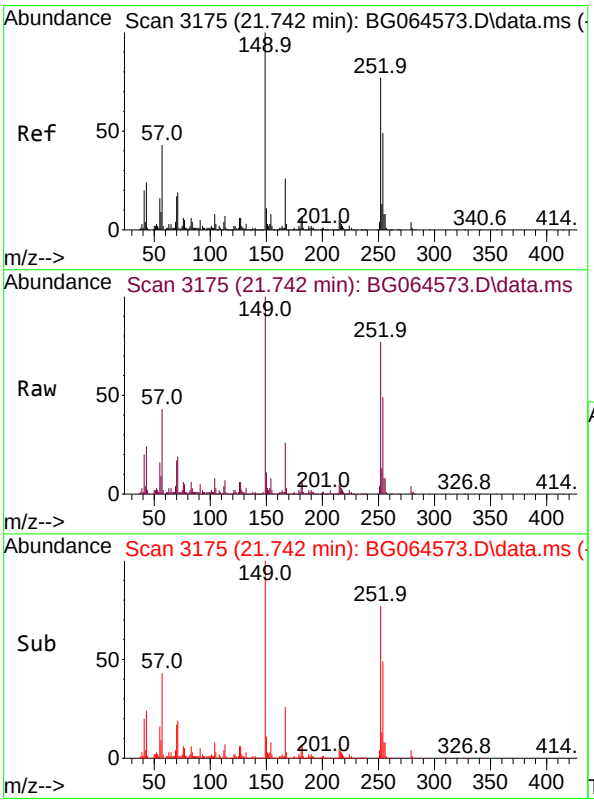
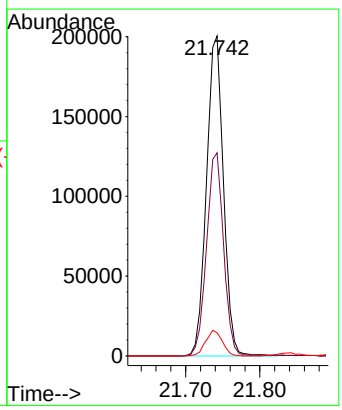


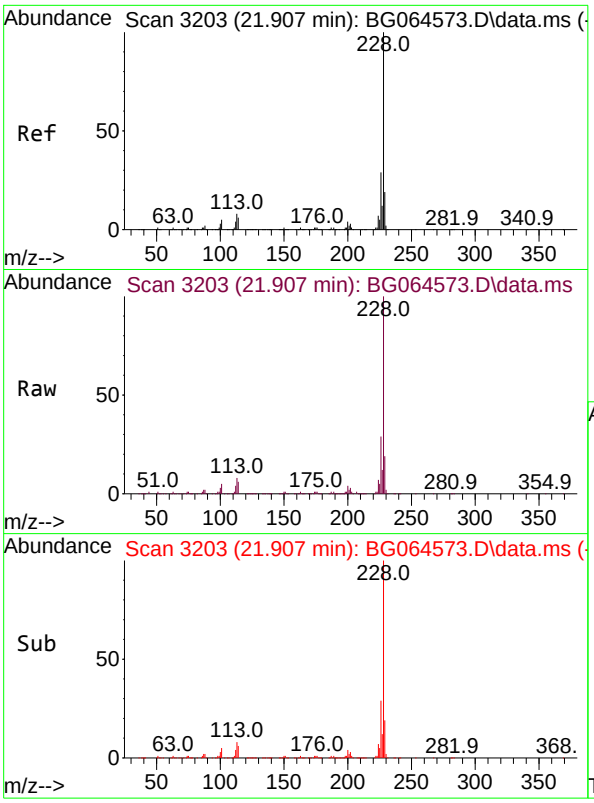


#82
3,3'-Dichlorobenzidine
Concen: 43.131 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 317851

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.8	76.2
126	7.2	5.8	8.6





#83
Chrysene
Concen: 42.613 ng
RT: 21.907 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

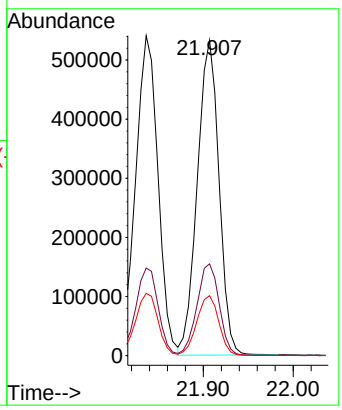
Tgt Ion:228 Resp: 89481

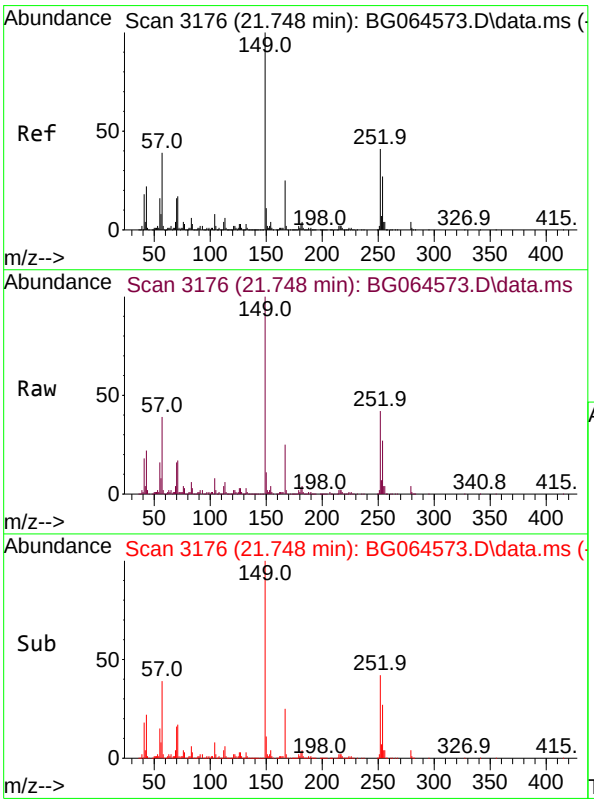
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	19.0	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

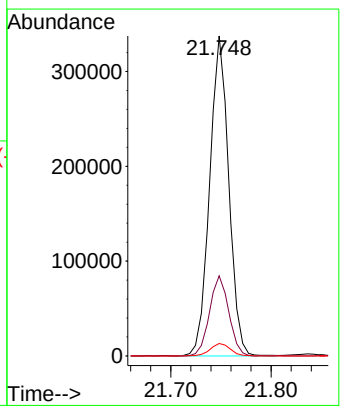


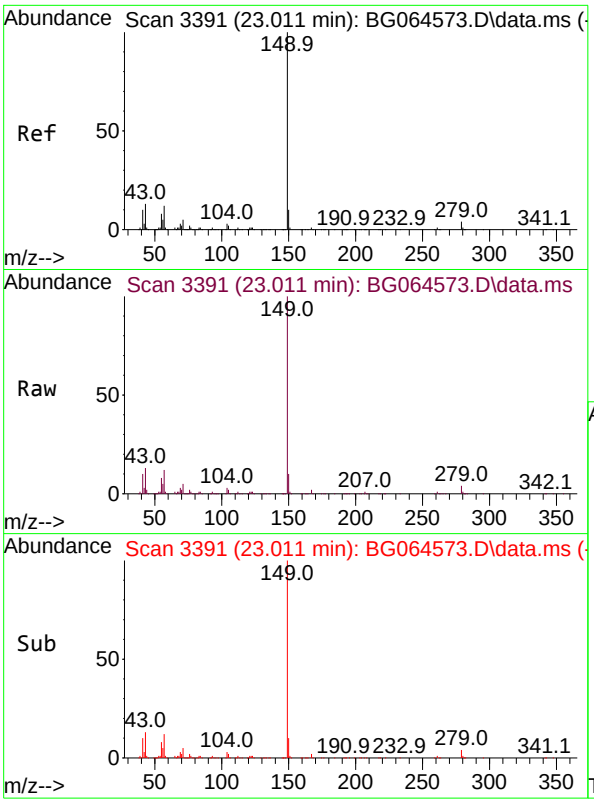


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.494 ng
RT: 21.748 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 446785

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.0	30.0
279	3.9	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 43.688 ng
RT: 23.011 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

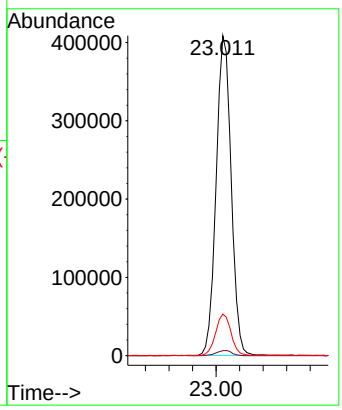
Tgt Ion:149 Resp: 723360

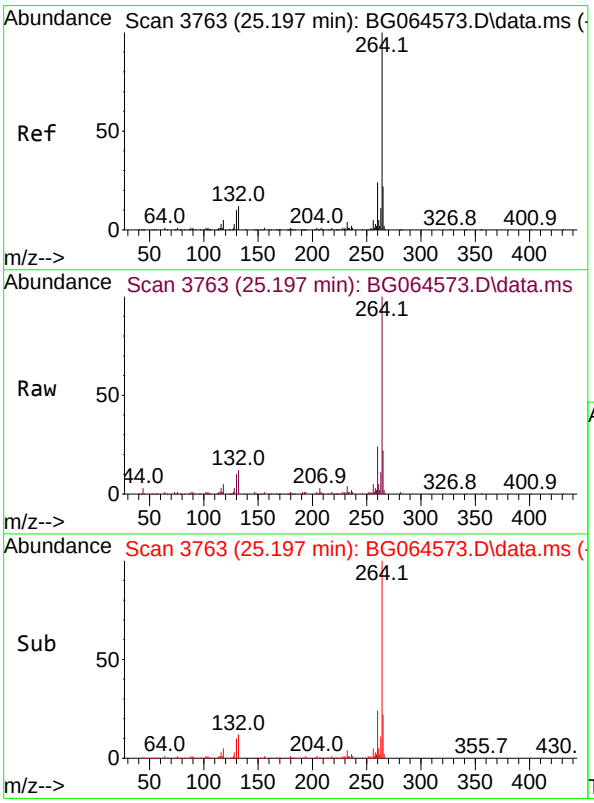
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

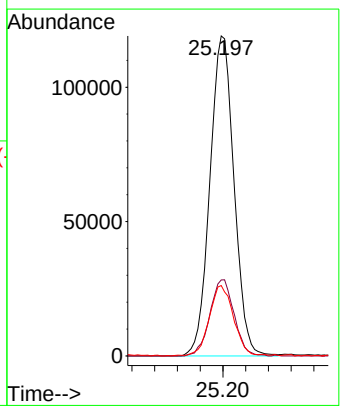


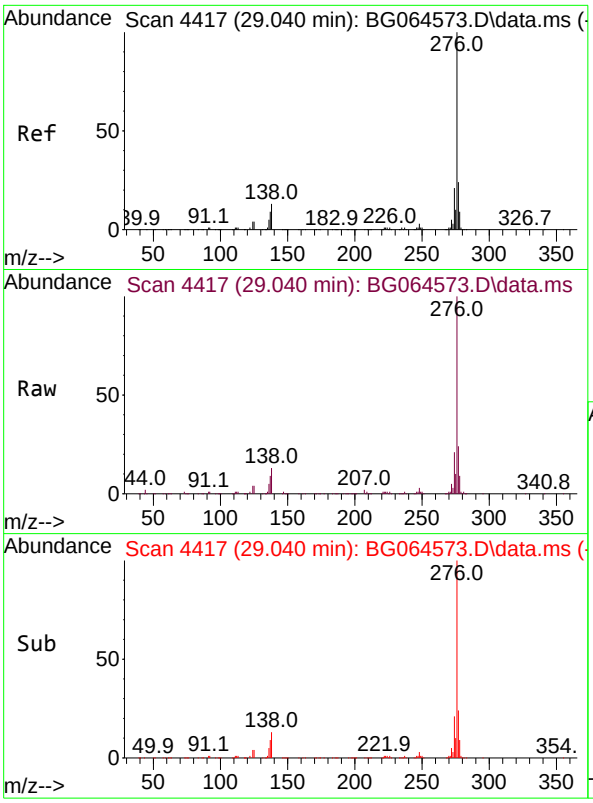


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:264 Resp: 350897

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.0	17.6	26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 42.624 ng
RT: 29.040 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

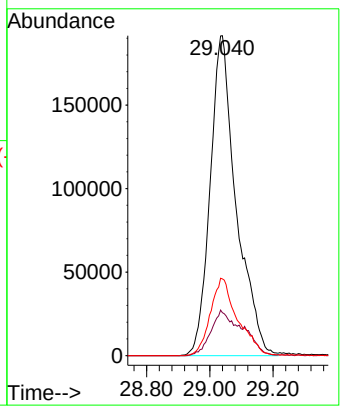
Tgt Ion:276 Resp: 1100259

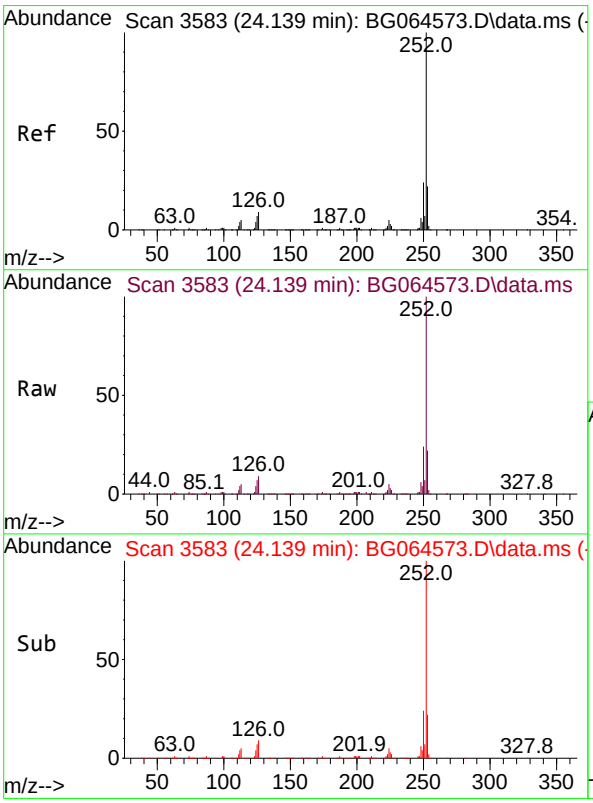
Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	25.1	20.1	30.1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

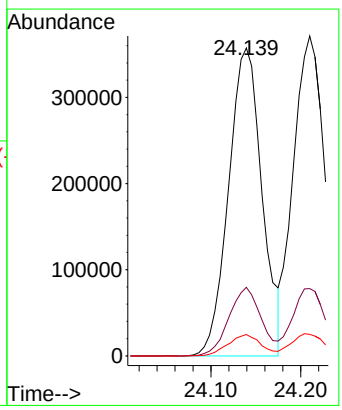


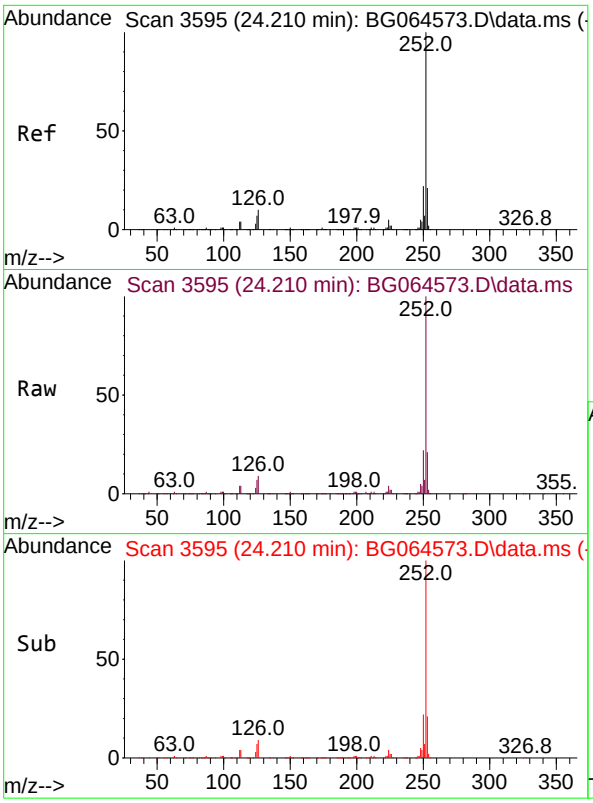


#88
Benzo(b)fluoranthene
Concen: 43.108 ng
RT: 24.139 min Scan# 3583
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 927550

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	7.0	5.6	8.4





#89
Benzo(k)fluoranthene
Concen: 41.878 ng
RT: 24.210 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

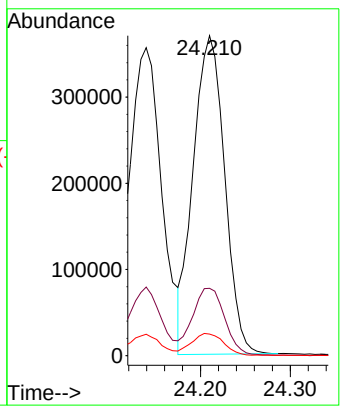
Tgt Ion:252 Resp: 90170

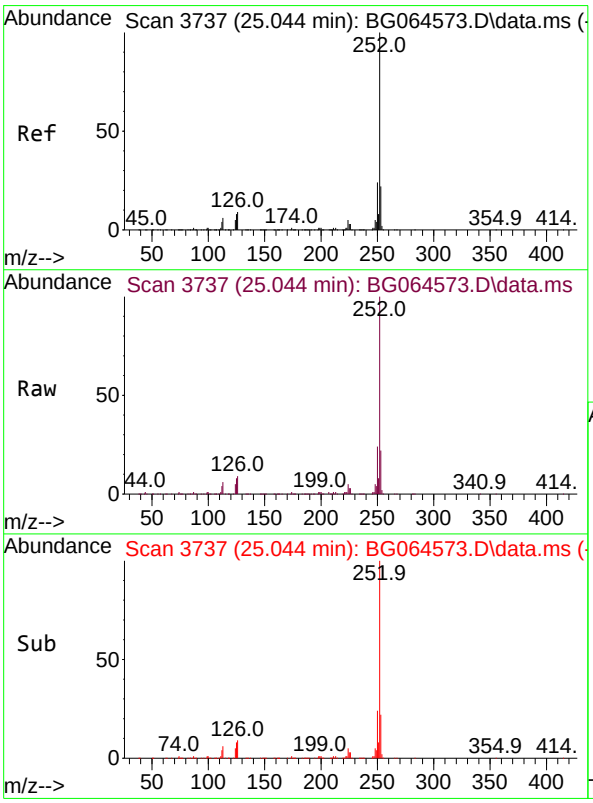
Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.8	25.2
125	6.7	5.4	8.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

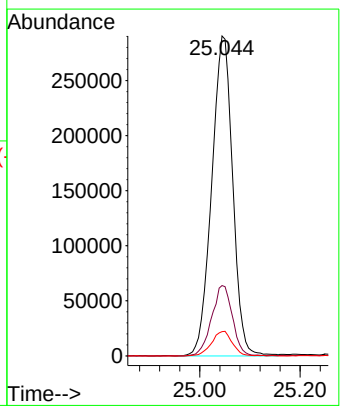


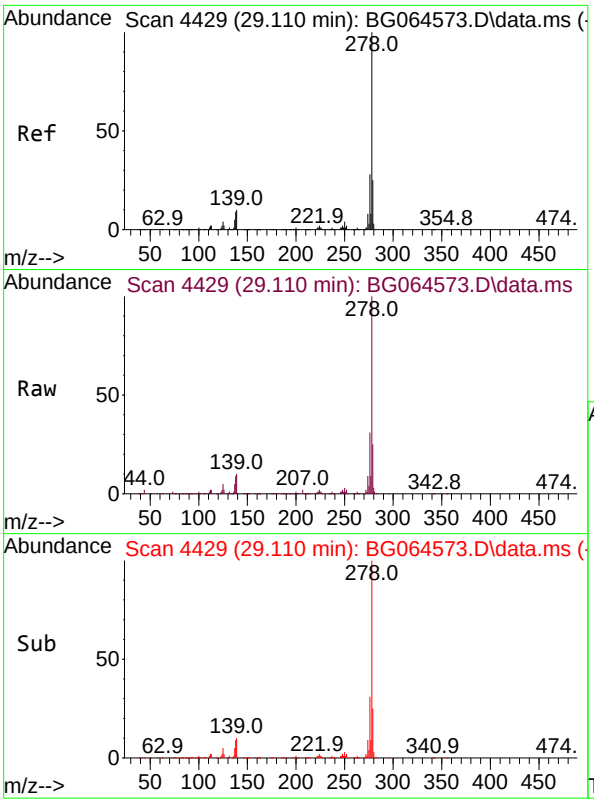


#90
Benzo(a)pyrene
Concen: 42.635 ng
RT: 25.044 min Scan# 3737
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 843258

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	7.6	6.1	9.1





#91
Dibenzo(a,h)anthracene
Concen: 42.430 ng
RT: 29.110 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

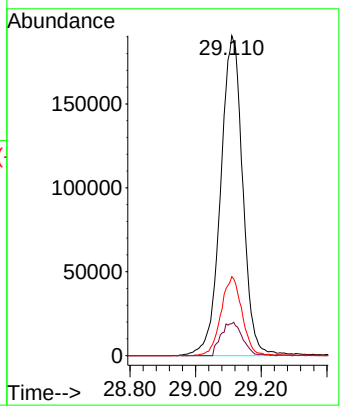
Tgt Ion:278 Resp: 889808

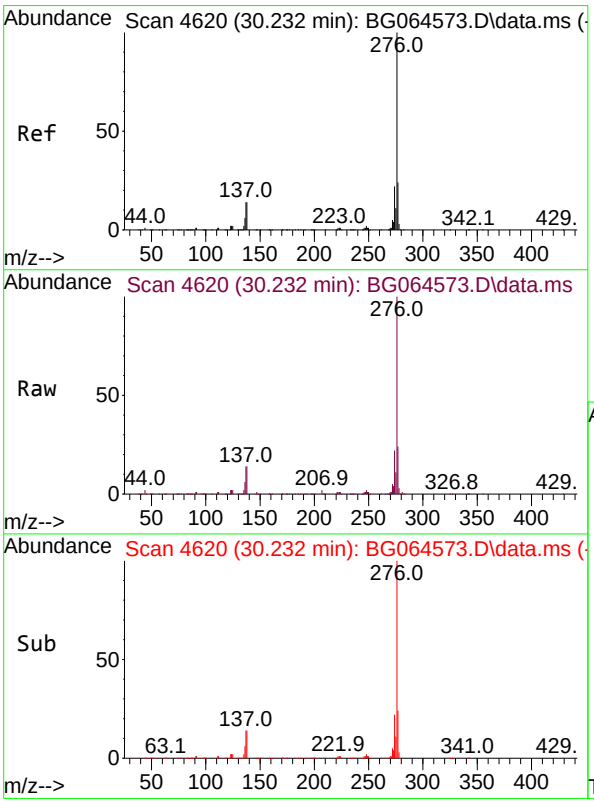
Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	24.7	19.8	29.6

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

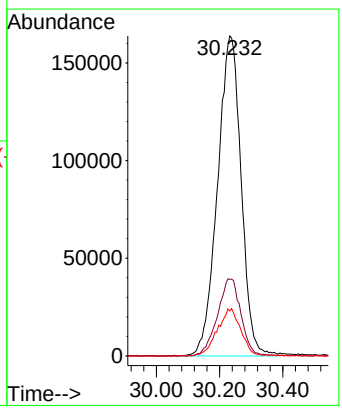




#92
Benzo(g,h,i)perylene
Concen: 42.492 ng
RT: 30.232 min Scan# 4620
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 851248

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	14.1	11.3	16.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 03 18:01:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	40271	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	168005	20.000	ng		0.00
39) Acenaphthene-d10	14.841	164	134994	20.000	ng		0.00
64) Phenanthrene-d10	17.579	188	324385	20.000	ng		0.00
76) Chrysene-d12	21.856	240	340896	20.000	ng		0.00
86) Perylene-d12	25.205	264	350916	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.746	112	318446	132.728	ng		0.00
7) Phenol-d6	7.355	99	450449	136.821	ng		0.00
23) Nitrobenzene-d5	9.388	82	406268	145.243	ng		0.00
42) 2,4,6-Tribromophenol	16.321	330	280190	143.807	ng		0.00
45) 2-Fluorobiphenyl	13.478	172	1120989	125.867	ng		0.00
79) Terphenyl-d14	20.176	244	2253704	124.763	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.589	88	67487	63.535	ng		98
3) Pyridine	4.001	79	209372	65.637	ng		98
4) n-Nitrosodimethylamine	3.907	42	111310	65.071	ng		94
6) Aniline	7.532	93	294791	65.803	ng		98
8) 2-Chlorophenol	7.779	128	176533	70.297	ng		98
9) Benzaldehyde	7.344	77	118559	65.963	ng		98
10) Phenol	7.379	94	244914	67.267	ng		98
11) bis(2-Chloroethyl)ether	7.626	93	174337	65.126	ng		100
12) 1,3-Dichlorobenzene	8.113	146	186290	64.452	ng		99
13) 1,4-Dichlorobenzene	8.254	146	188553	64.156	ng		95
14) 1,2-Dichlorobenzene	8.583	146	183593	64.766	ng		98
15) Benzyl Alcohol	8.448	79	185157	68.201	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.742	45	459295	65.410	ng		100
17) 2-Methylphenol	8.648	107	162536	67.237	ng		98
18) Hexachloroethane	9.324	117	67237	65.193	ng		99
19) n-Nitroso-di-n-propyla...	9.030	70	155683	68.424	ng		99
20) 3+4-Methylphenols	8.983	107	228995	67.359	ng		98
22) Acetophenone	9.048	105	297413	64.759	ng	#	96
24) Nitrobenzene	9.430	77	220774	72.567	ng		98
25) Isophorone	9.958	82	449298	66.940	ng		99
26) 2-Nitrophenol	10.146	139	76368	63.945	ng		98
27) 2,4-Dimethylphenol	10.193	122	173061	69.317	ng		97
28) bis(2-Chloroethoxy)met...	10.440	93	248699	65.078	ng		99
29) 2,4-Dichlorophenol	10.681	162	188233	70.056	ng		96
30) 1,2,4-Trichlorobenzene	10.904	180	200988	65.837	ng		95
31) Naphthalene	11.098	128	605239	64.976	ng		99
32) Benzoic acid	10.340	122	130898m	65.612	ng		
33) 4-Chloroaniline	11.192	127	245101	67.699	ng		98
34) Hexachlorobutadiene	11.392	225	154303	64.630	ng		97
35) Caprolactam	11.968	113	71319	69.206	ng		96
36) 4-Chloro-3-methylphenol	12.297	107	228833	70.853	ng		100
37) 2-Methylnaphthalene	12.690	142	447497	65.435	ng		98
38) 1-Methylnaphthalene	12.908	142	442677	65.402	ng		99
40) 1,2,4,5-Tetrachloroben...	13.055	216	290173	64.049	ng		100
41) Hexachlorocyclopentadiene	13.037	237	137727	67.540	ng		99
43) 2,4,6-Trichlorophenol	13.278	196	184771	71.299	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 03 18:01:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.354	196	209320	69.994 ng		96
46) 1,1'-Biphenyl	13.683	154	606860	63.233 ng		98
47) 2-Chloronaphthalene	13.730	162	463792	64.022 ng		98
48) 2-Nitroaniline	13.913	65	163796	66.052 ng		95
49) Acenaphthylene	14.571	152	739728	64.738 ng		100
50) Dimethylphthalate	14.289	163	688128	66.616 ng		99
51) 2,6-Dinitrotoluene	14.400	165	114588	65.951 ng		95
52) Acenaphthene	14.911	154	510499	65.392 ng		98
53) 3-Nitroaniline	14.729	138	131776	74.231 ng		91
54) 2,4-Dinitrophenol	14.929	184	66900	65.082 ng	#	75
55) Dibenzofuran	15.240	168	804964	63.779 ng		97
56) 4-Nitrophenol	15.017	139	114408	69.512 ng		97
57) 2,4-Dinitrotoluene	15.187	165	175802	65.522 ng	#	100
58) Fluorene	15.887	166	627437	63.656 ng		100
59) 2,3,4,6-Tetrachlorophenol	15.458	232	205529	71.870 ng		99
60) Diethylphthalate	15.652	149	695924	65.982 ng		99
61) 4-Chlorophenyl-phenyle...	15.875	204	359759	65.038 ng		99
62) 4-Nitroaniline	15.893	138	143839	72.832 ng		98
63) Azobenzene	16.169	77	633520	65.464 ng		99
65) 4,6-Dinitro-2-methylph...	15.945	198	94338	64.046 ng		93
66) n-Nitrosodiphenylamine	16.086	169	577835	65.944 ng		99
67) 4-Bromophenyl-phenylether	16.768	248	256556	66.740 ng		100
68) Hexachlorobenzene	16.891	284	293831	67.001 ng		96
69) Atrazine	17.026	200	254070	67.378 ng		97
70) Pentachlorophenol	17.226	266	193954	70.923 ng		91
71) Phenanthrene	17.626	178	1147317	64.676 ng		99
72) Anthracene	17.714	178	1171223	64.905 ng		99
73) Carbazole	17.972	167	1000680	62.887 ng		99
74) Di-n-butylphthalate	18.536	149	1165396	63.334 ng		99
75) Fluoranthene	19.618	202	1364891	61.419 ng		98
77) Benzidine	19.782	184	544918	71.348 ng		99
78) Pyrene	19.976	202	1437669	64.549 ng		99
80) Butylbenzylphthalate	20.857	149	477358	70.914 ng		98
81) Benzo(a)anthracene	21.839	228	1462488	64.702 ng		99
82) 3,3'-Dichlorobenzidine	21.739	252	497174	65.868 ng		99
83) Chrysene	21.909	228	1389821	64.621 ng		98
84) Bis(2-ethylhexyl)phtha...	21.750	149	681649	67.768 ng		98
85) Di-n-octyl phthalate	23.014	149	1142651	67.379 ng		100
87) Indeno(1,2,3-cd)pyrene	29.048	276	1729035	66.979 ng		98
88) Benzo(b)fluoranthene	24.142	252	1424640	66.207 ng		99
89) Benzo(k)fluoranthene	24.218	252	1436312	66.703 ng		99
90) Benzo(a)pyrene	25.052	252	1311701	66.315 ng		100
91) Dibenzo(a,h)anthracene	29.124	278	1394234	66.479 ng		99
92) Benzo(g,h,i)perylene	30.246	276	1347382	67.253 ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

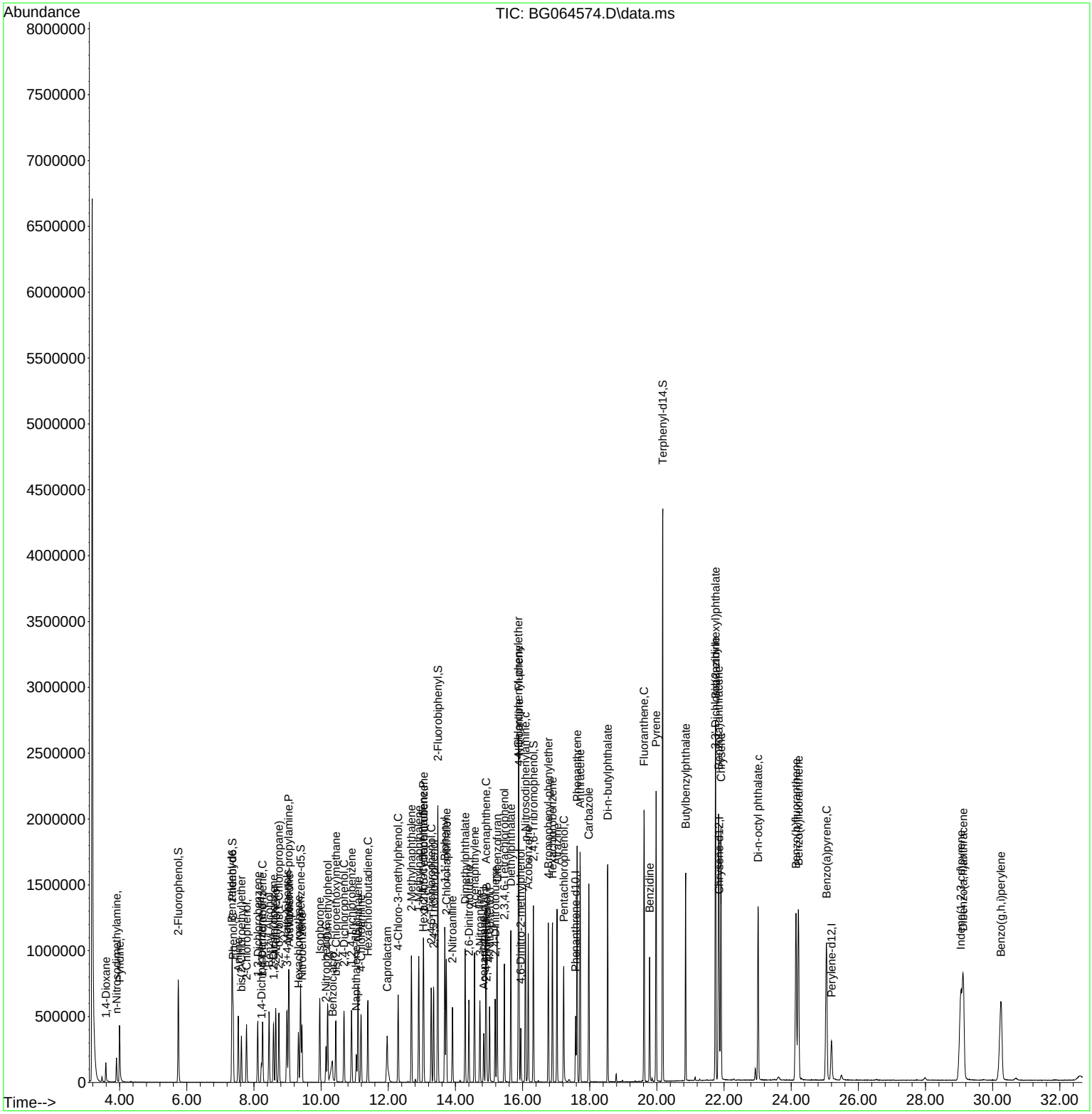
ICAL Form

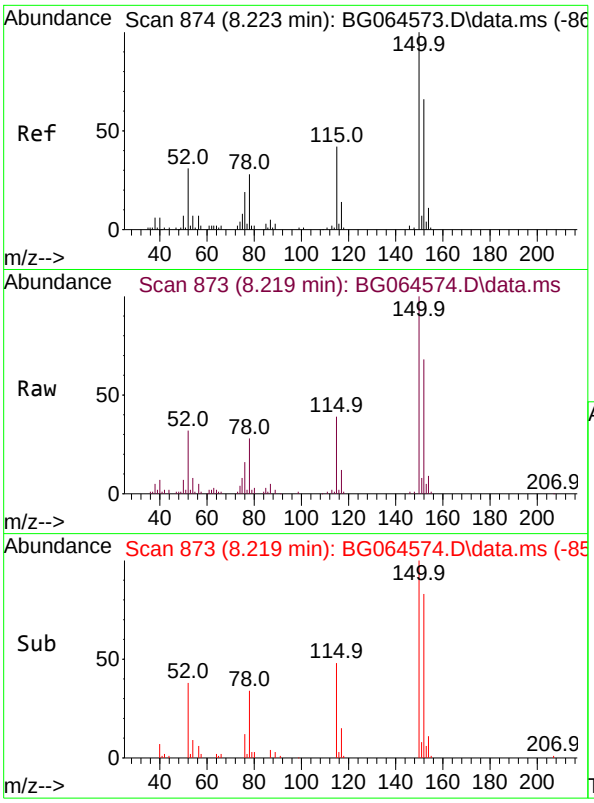
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 03 18:01:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 4027

Ion	Ratio	Lower	Upper
152	100		
150	147.4	122.2	183.4
115	57.8	50.8	76.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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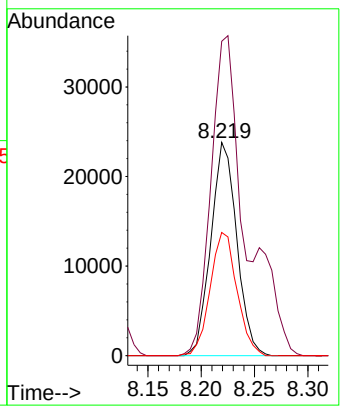
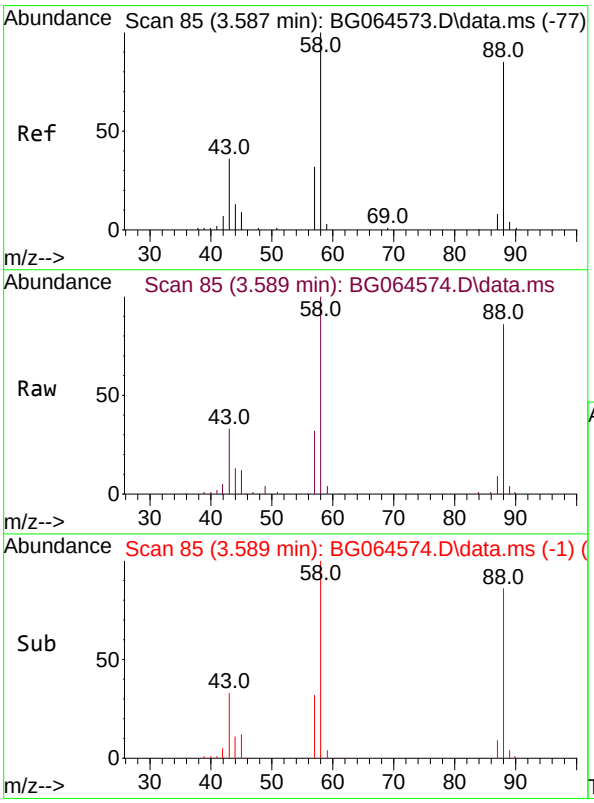
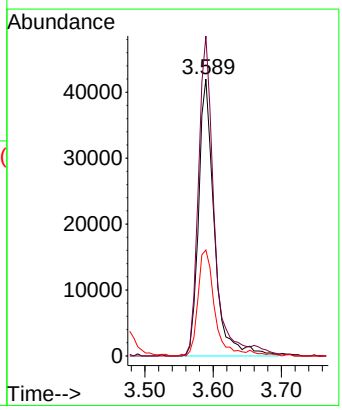


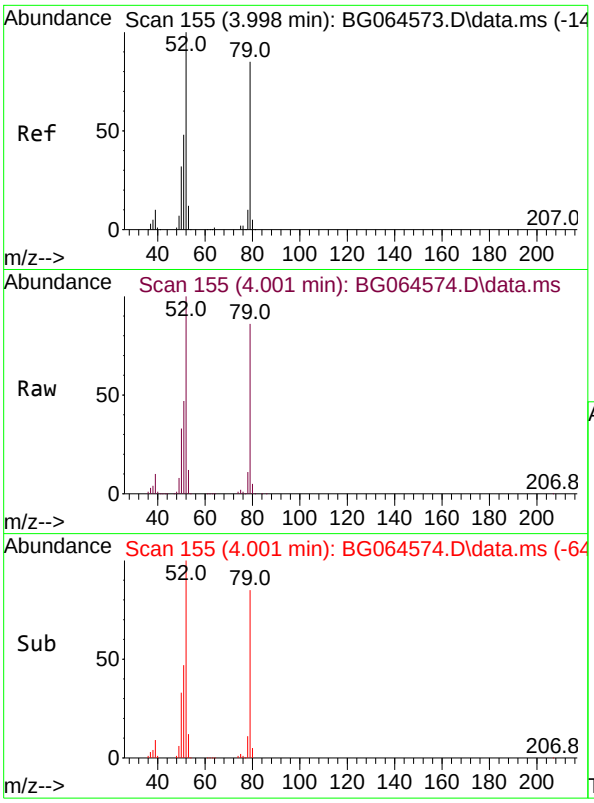


#2
1,4-Dioxane
Concen: 63.535 ng
RT: 3.589 min Scan# 85
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 88 Resp: 67487

Ion	Ratio	Lower	Upper
88	100		
58	113.3	92.4	138.6
43	40.0	33.0	49.6





#3
Pyridine
Concen: 65.637 ng
RT: 4.001 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 79 Resp: 20937

Ion	Ratio	Lower	Upper
79	100		
52	116.3	94.2	141.2
51	54.8	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
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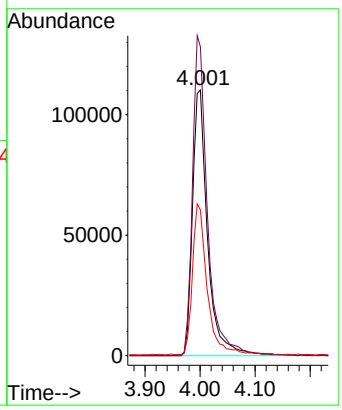
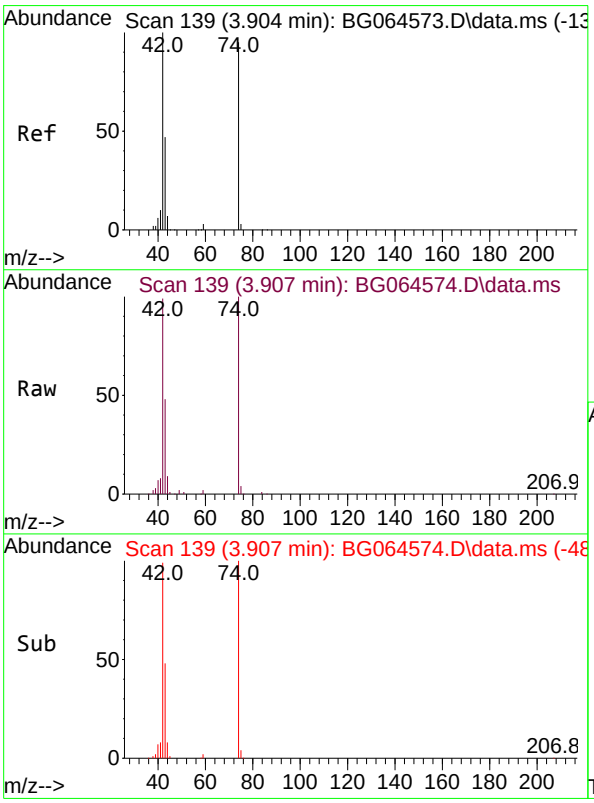
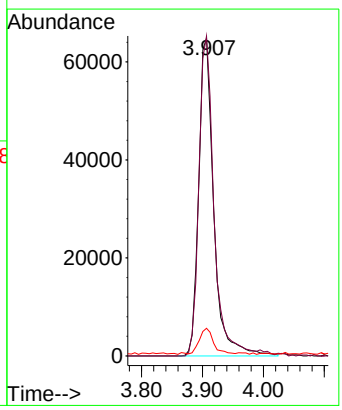


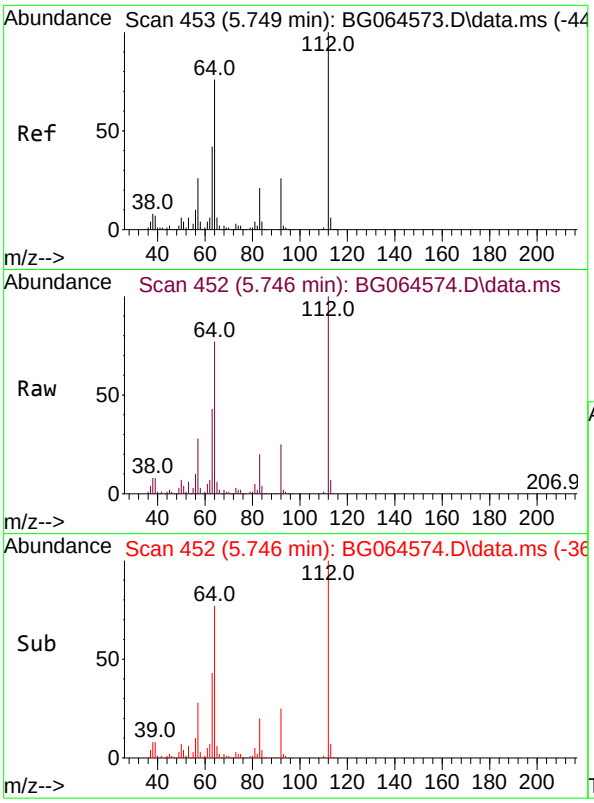


#4
n-Nitrosodimethylamine
Concen: 65.071 ng
RT: 3.907 min Scan# 139
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 42 Resp: 111310

Ion	Ratio	Lower	Upper
42	100		
74	100.7	76.1	114.1
44	8.7	6.3	9.5





#5
2-Fluorophenol
Concen: 132.728 ng
RT: 5.746 min Scan# 4
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:112 Resp: 31844

Ion	Ratio	Lower	Upper
112	100		
64	77.2	60.7	91.1
63	43.1	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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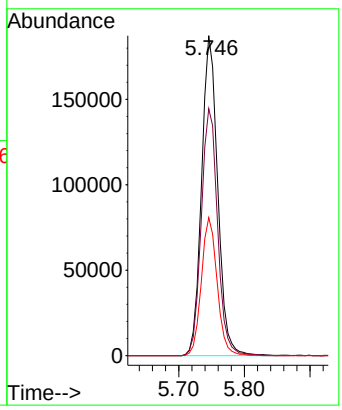
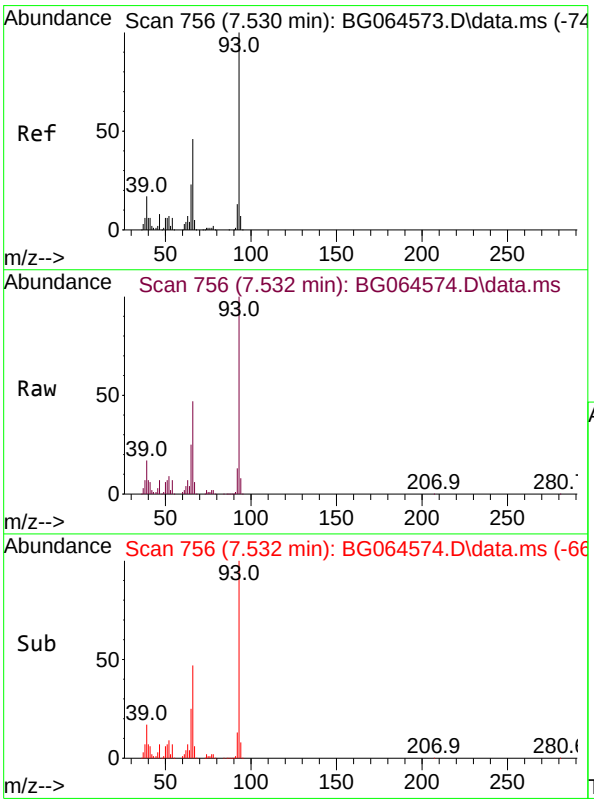
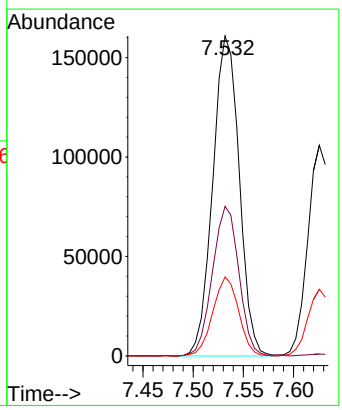


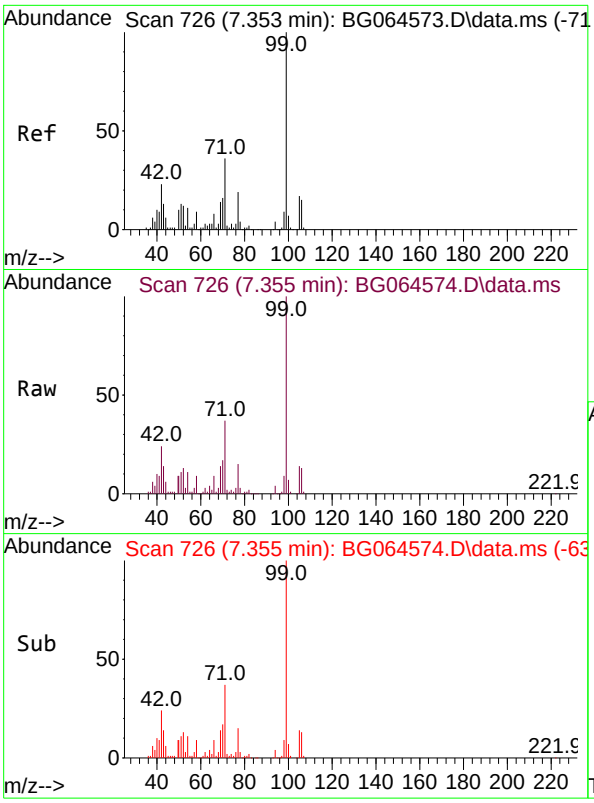


#6
Aniline
Concen: 65.803 ng
RT: 7.532 min Scan# 756
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 294791

Ion	Ratio	Lower	Upper
93	100		
66	46.7	37.0	55.6
65	24.7	18.3	27.5





#7
Phenol-d6
Concen: 136.821 ng
RT: 7.355 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 99 Resp: 450449

Ion	Ratio	Lower	Upper
99	100		
42	24.4	18.3	27.5
71	36.7	28.6	43.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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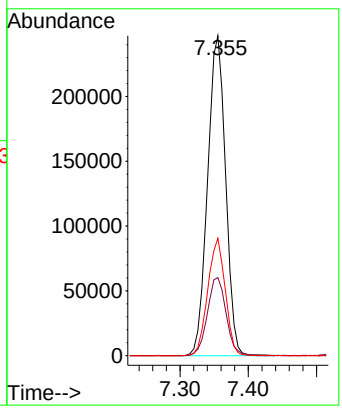
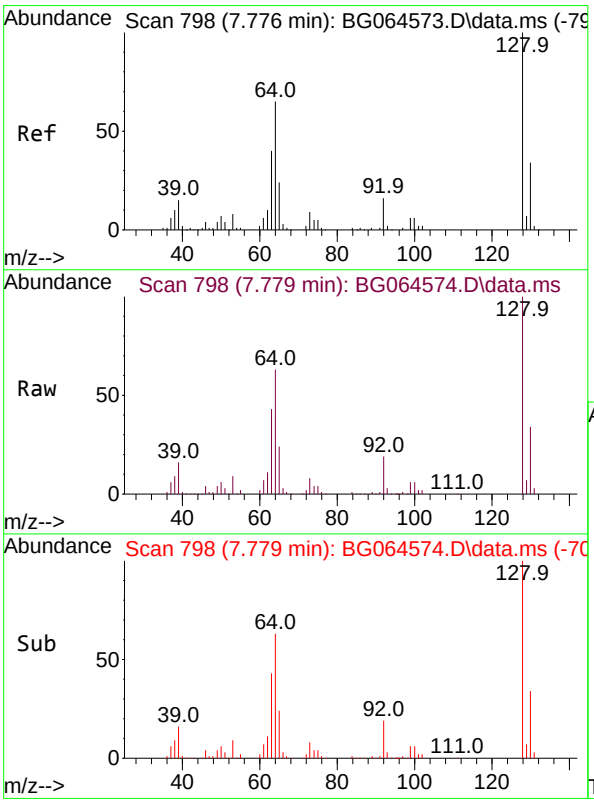
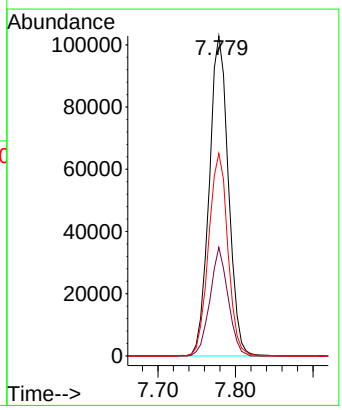


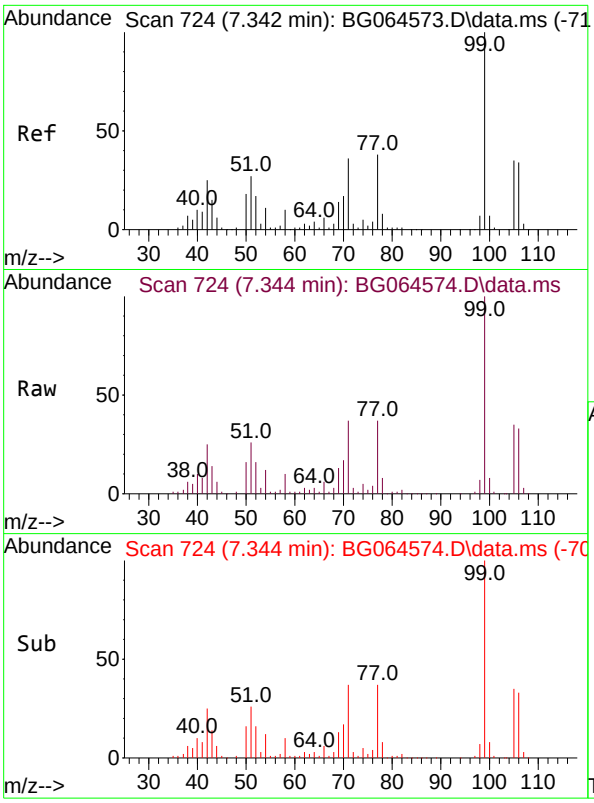


#8
2-Chlorophenol
Concen: 70.297 ng
RT: 7.779 min Scan# 798
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:128 Resp: 176533

Ion	Ratio	Lower	Upper
128	100		
130	33.9	13.5	53.5
64	63.3	45.2	85.2





#9
Benzaldehyde
Concen: 65.963 ng
RT: 7.344 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 118559

Ion	Ratio	Lower	Upper
77	100		
105	95.2	72.9	112.9
106	89.0	70.8	110.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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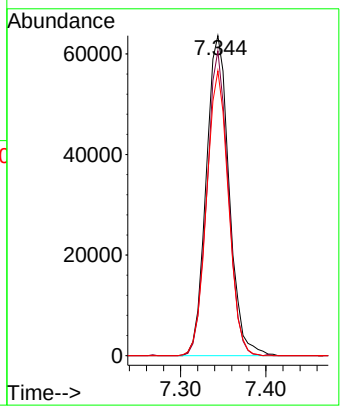
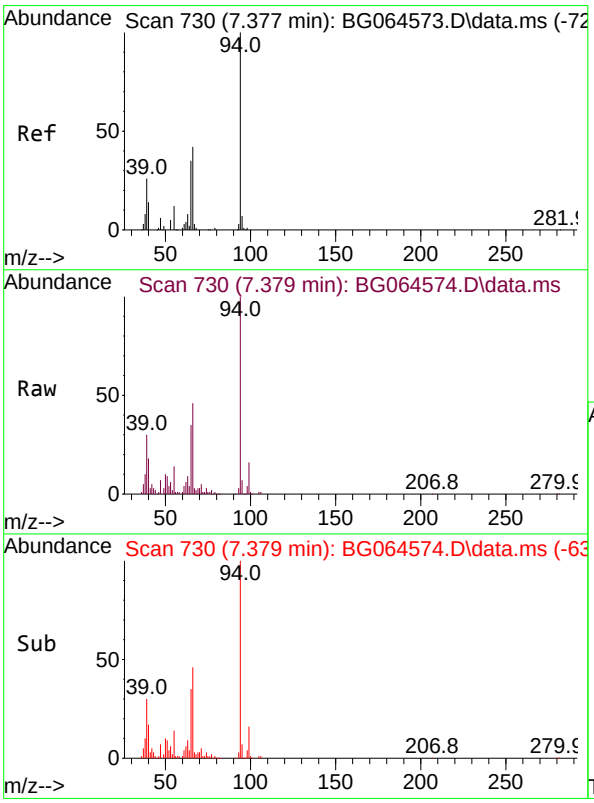
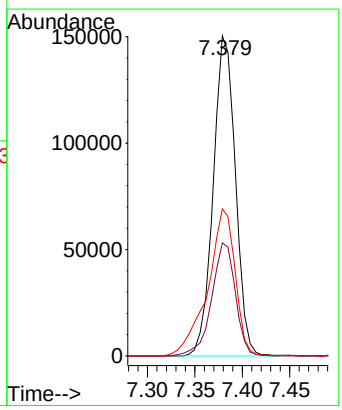


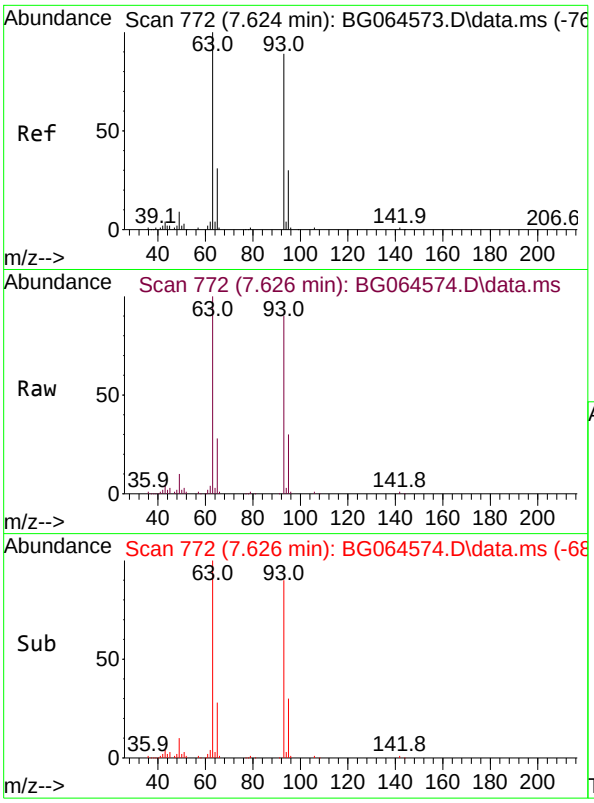


#10
Phenol
Concen: 67.267 ng
RT: 7.379 min Scan# 730
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 94 Resp: 244914

Ion	Ratio	Lower	Upper
94	100		
65	35.3	15.8	55.8
66	45.9	24.0	64.0





#11
bis(2-Chloroethyl)ether
Concen: 65.126 ng
RT: 7.626 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 174337

Ion	Ratio	Lower	Upper
93	100		
63	111.2	91.3	131.3
95	33.3	13.3	53.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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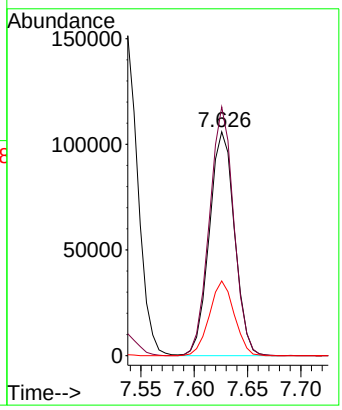
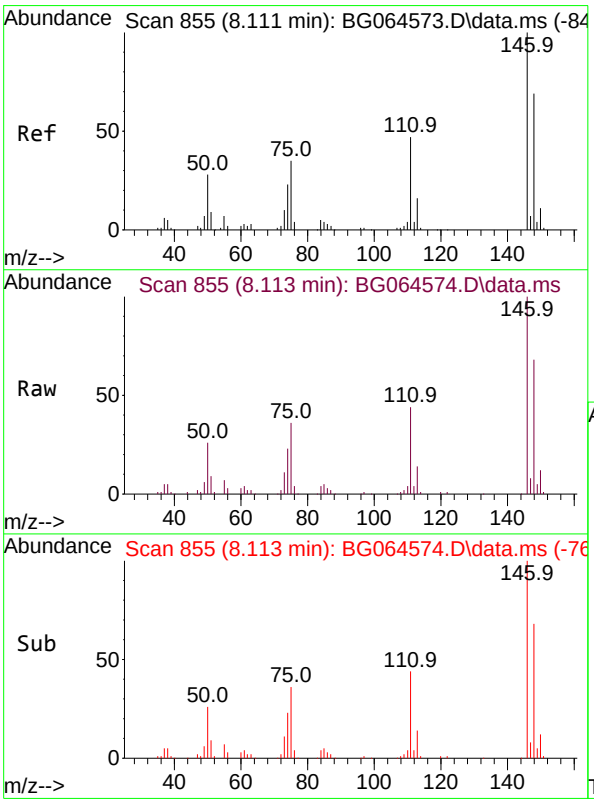
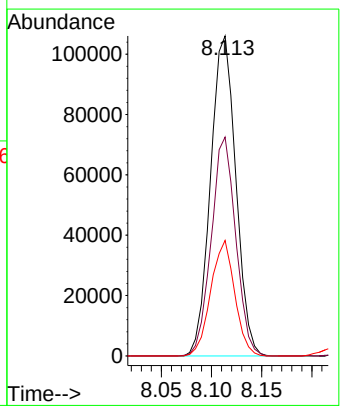


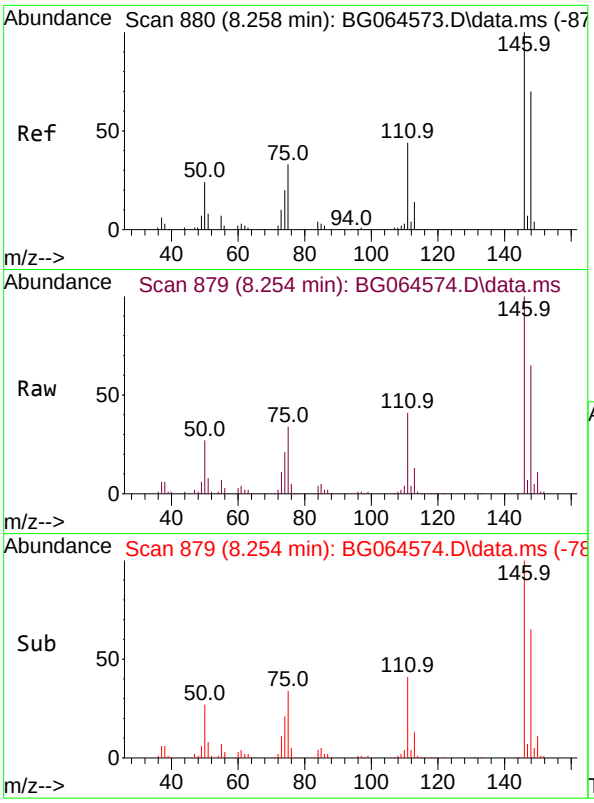


#12
1,3-Dichlorobenzene
Concen: 64.452 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 186290

Ion	Ratio	Lower	Upper
146	100		
148	68.4	55.3	82.9
75	36.1	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 64.156 ng
RT: 8.254 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 18855

Ion	Ratio	Lower	Upper
146	100		
148	65.5	56.2	84.4
111	41.2	35.4	53.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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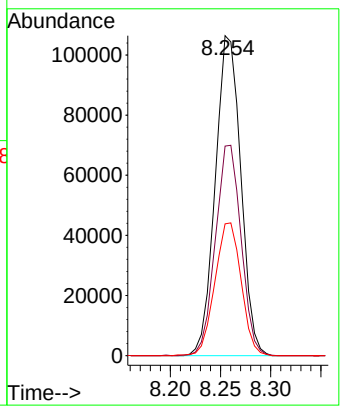
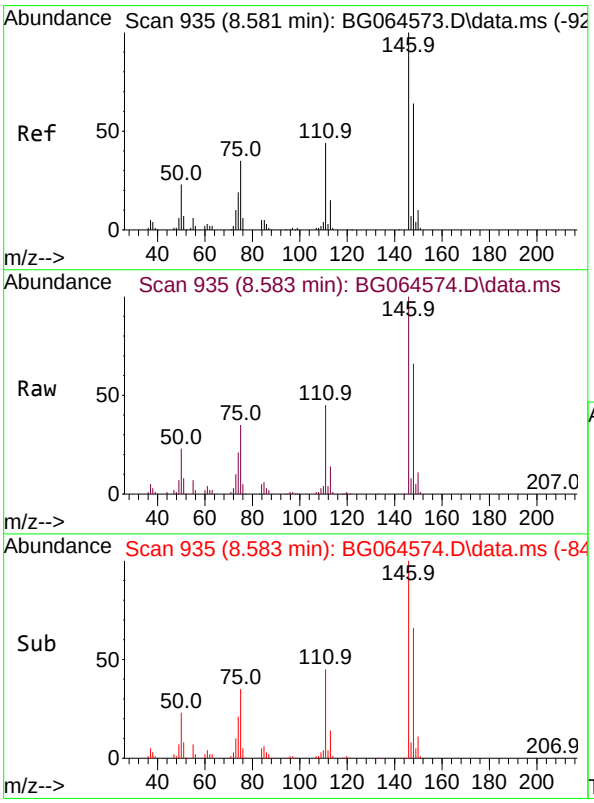
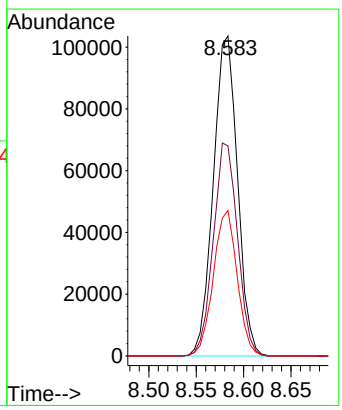


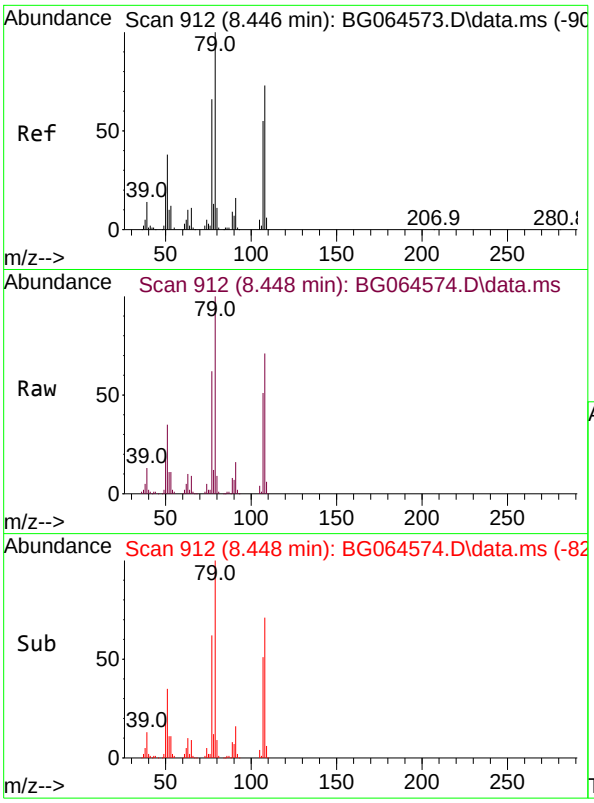


#14
1,2-Dichlorobenzene
Concen: 64.766 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 183593

Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.5	77.3
111	45.4	35.0	52.6





#15
Benzyl Alcohol
Concen: 68.201 ng
RT: 8.448 min Scan# 91
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 79 Resp: 18515

Ion	Ratio	Lower	Upper
79	100		
108	71.1	58.1	87.1
77	61.8	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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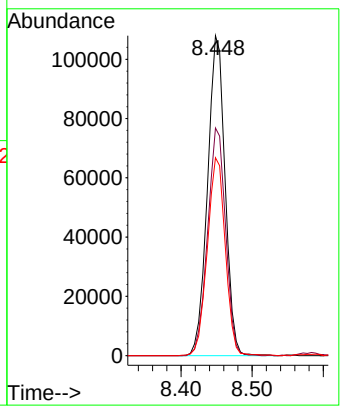
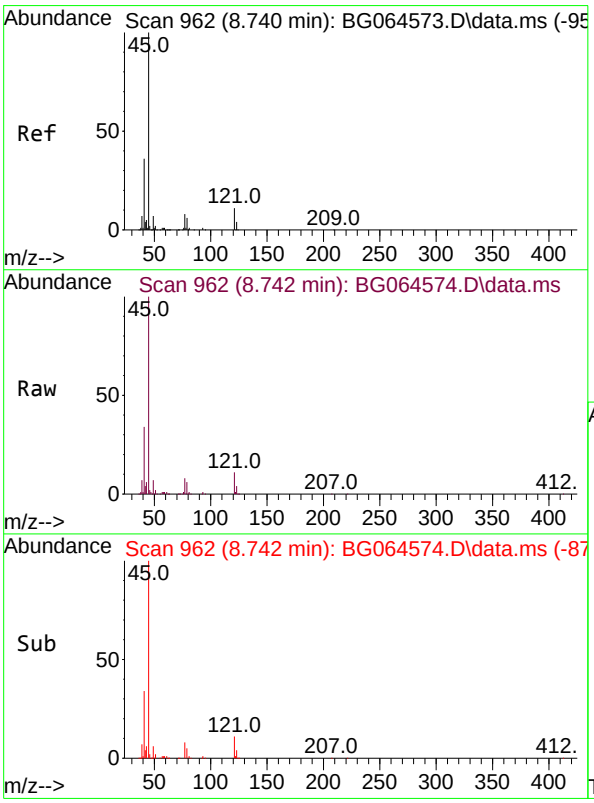
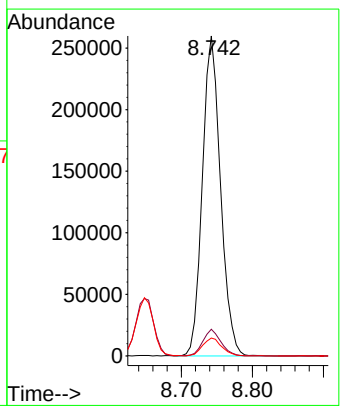


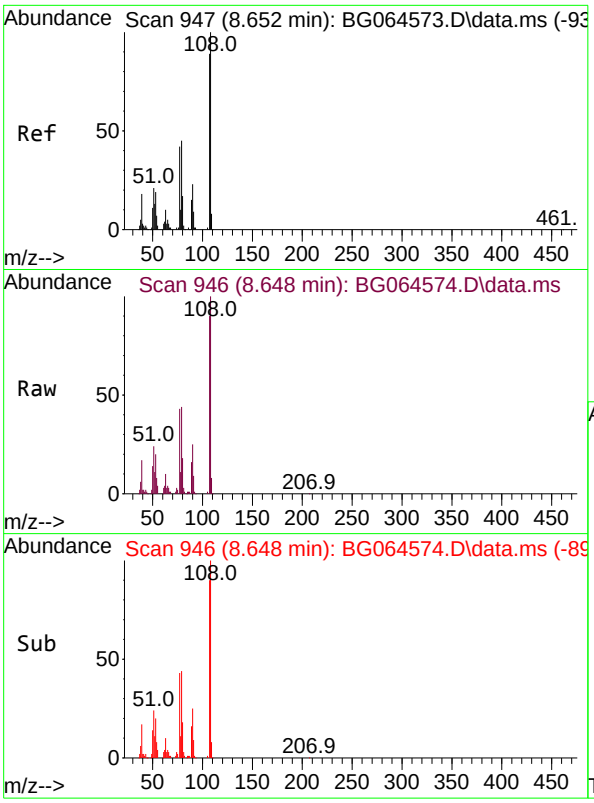


#16
2,2'-oxybis(1-Chloropropane)
Concen: 65.410 ng
RT: 8.742 min Scan# 962
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 45 Resp: 459295

Ion	Ratio	Lower	Upper
45	100		
77	8.3	0.0	28.5
79	5.6	0.0	25.6

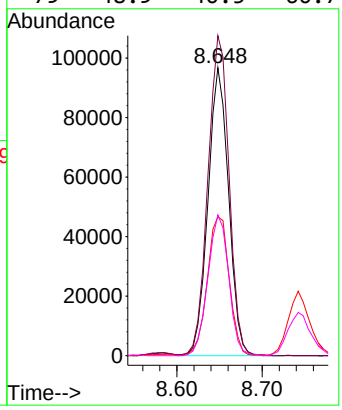




#17
2-Methylphenol
Concen: 67.237 ng
RT: 8.648 min Scan# 94
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 162536

Ion	Ratio	Lower	Upper
107	100		
108	111.1	90.0	135.0
77	48.2	37.8	56.8
79	48.9	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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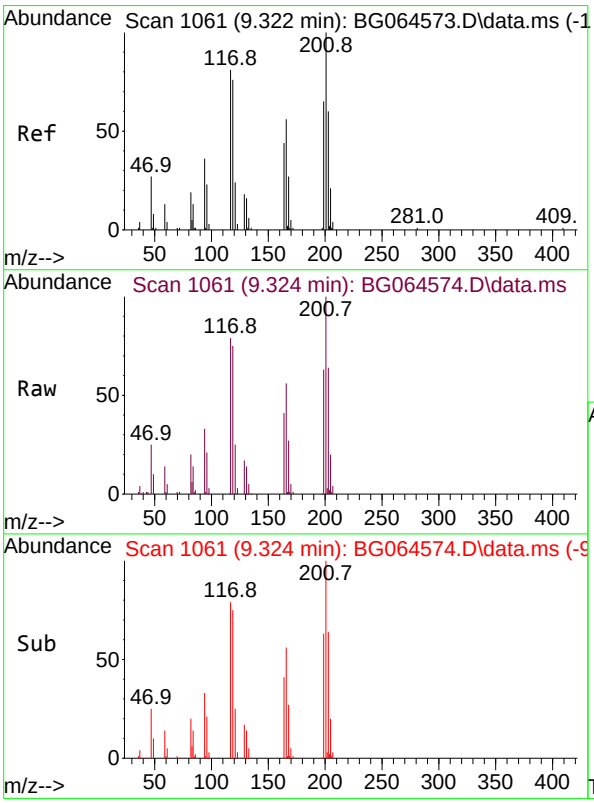
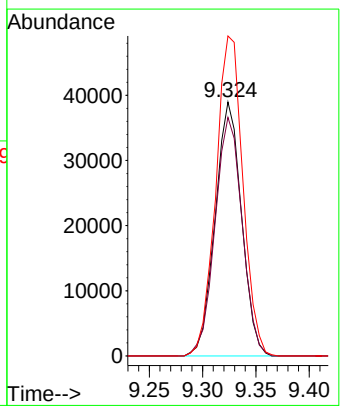
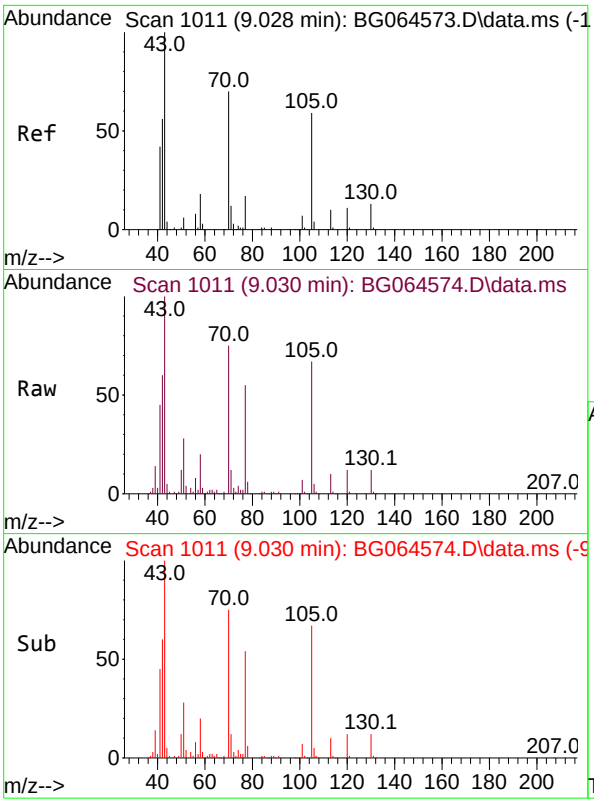


#18
Hexachloroethane
Concen: 65.193 ng
RT: 9.324 min Scan# 1061
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:117 Resp: 67237

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.4	113.2
201	126.1	99.2	148.8





#19
n-Nitroso-di-n-propylamine
Concen: 68.424 ng
RT: 9.030 min Scan# 1(
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 70 Resp: 15568

Ion	Ratio	Lower	Upper
70	100		
42	80.9	65.2	97.8
101	9.4	7.9	11.9
130	15.8	14.3	21.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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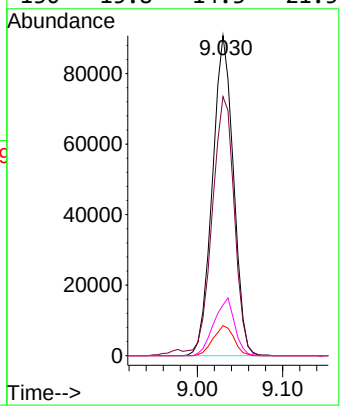
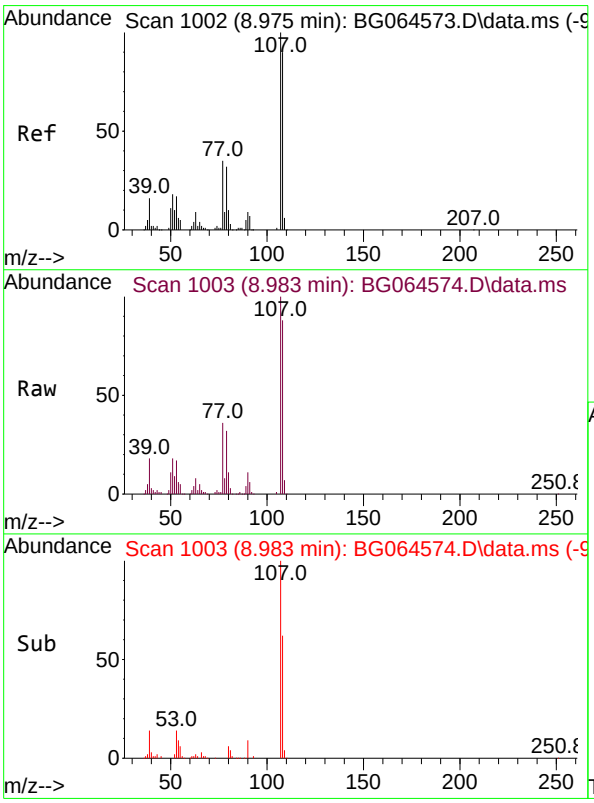
Supervised By :mohammad ahmed 11/05/2025

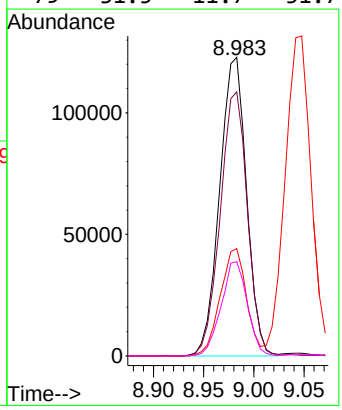


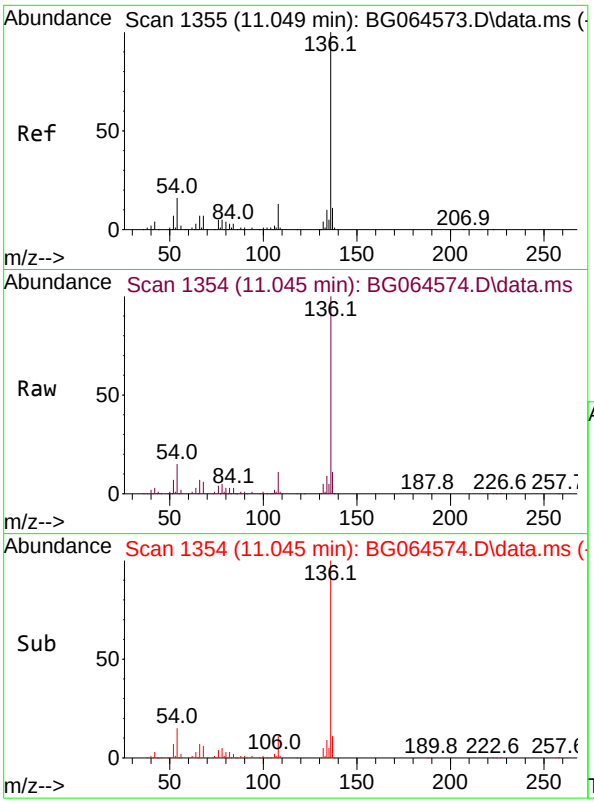


#20
3+4-Methylphenols
Concen: 67.359 ng
RT: 8.983 min Scan# 1003
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 228995

Ion	Ratio	Lower	Upper
107	100		
108	88.4	70.3	110.3
77	35.9	14.6	54.6
79	31.5	11.7	51.7

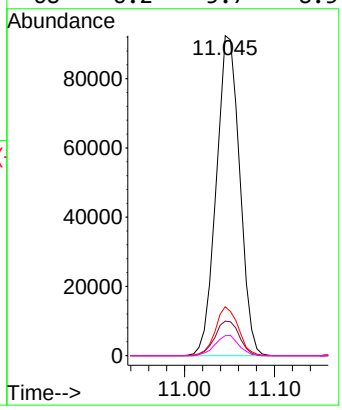




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:136 Resp: 16800

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	15.3	12.6	19.0
68	6.2	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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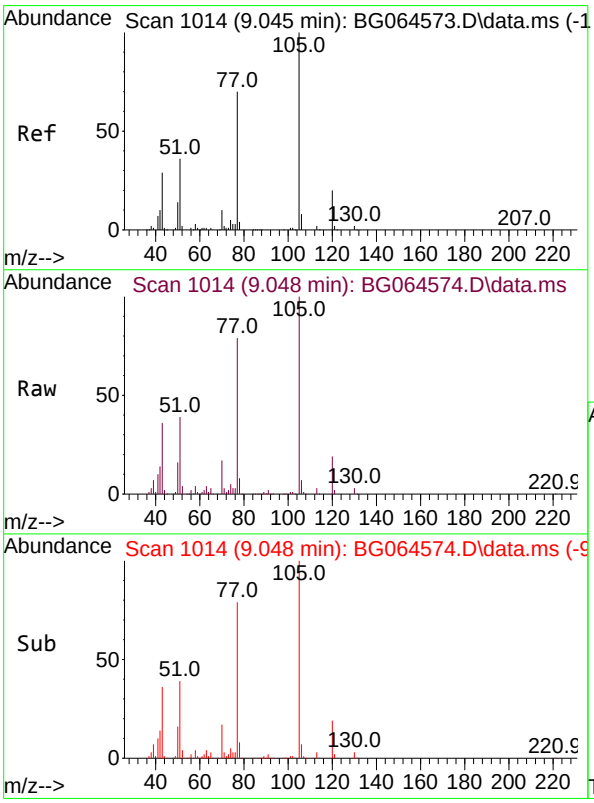
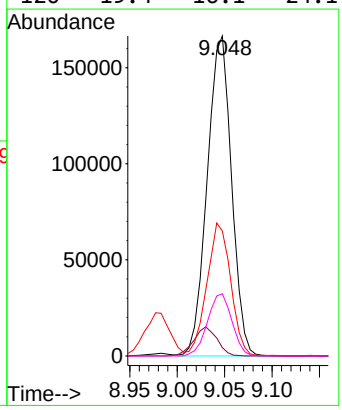
Supervised By :mohammad ahmed 11/05/2025

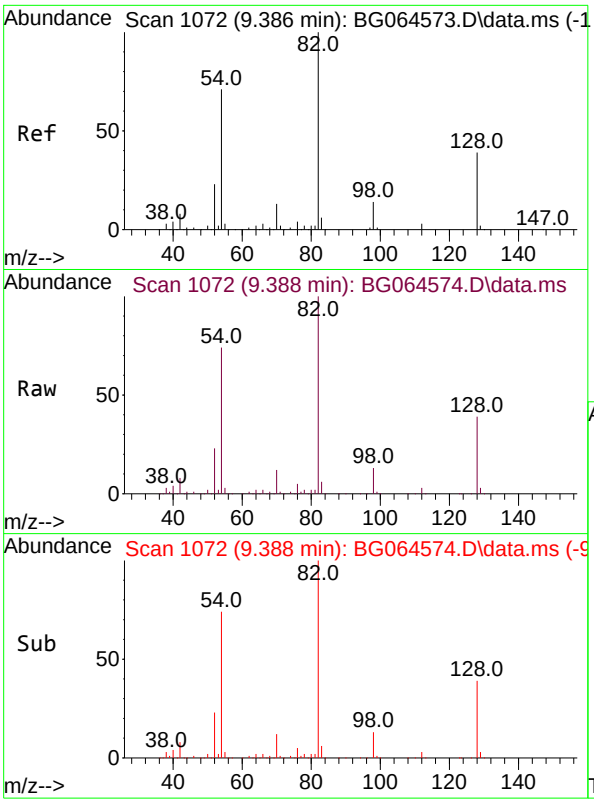


#22
Acetophenone
Concen: 64.759 ng
RT: 9.048 min Scan# 1014
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:105 Resp: 297413

Ion	Ratio	Lower	Upper
105	100		
71	2.6	1.5	2.3#
51	39.0	33.7	50.5
120	19.4	16.1	24.1





#23
Nitrobenzene-d5
Concen: 145.243 ng
RT: 9.388 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 82 Resp: 406268

Ion	Ratio	Lower	Upper
82	100		
128	38.5	31.3	46.9
54	73.8	56.6	84.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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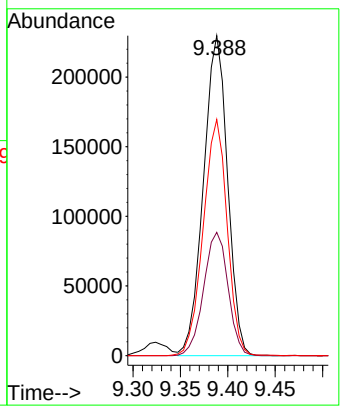
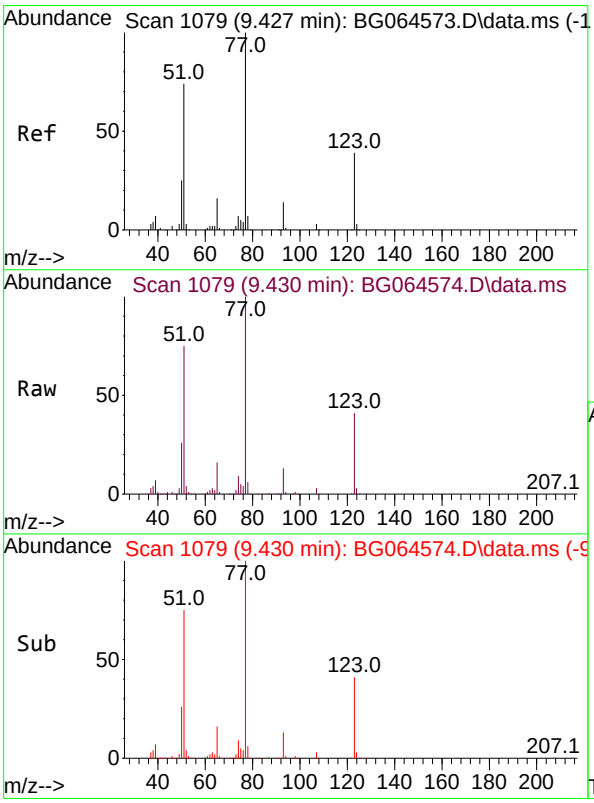
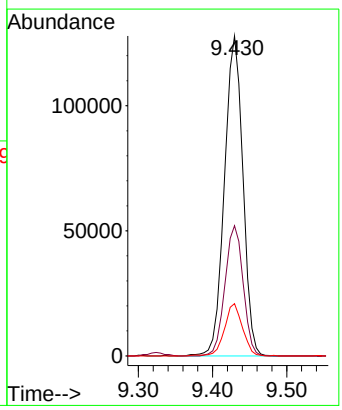


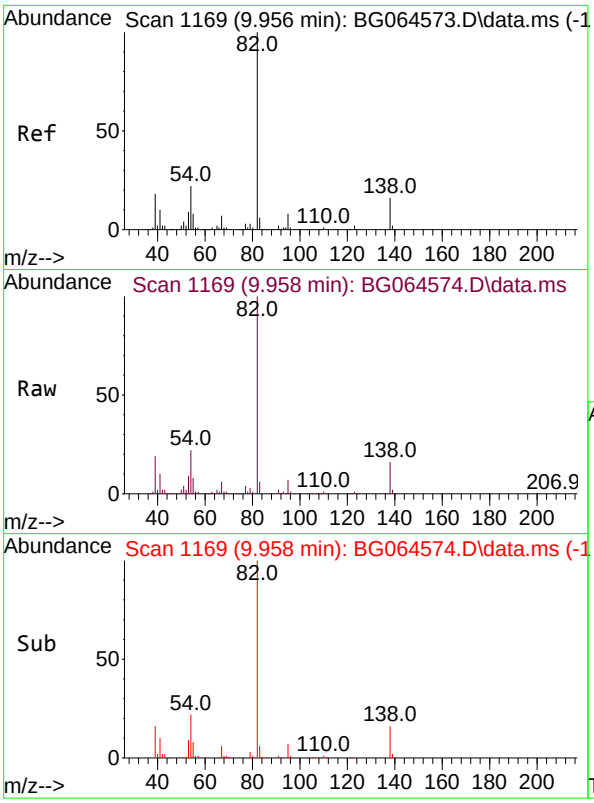


#24
Nitrobenzene
Concen: 72.567 ng
RT: 9.430 min Scan# 1079
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 220774

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	16.3	12.7	19.1





#25
Isophorone
Concen: 66.940 ng
RT: 9.958 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 82 Resp: 449298

Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.1	9.1
138	15.6	13.0	19.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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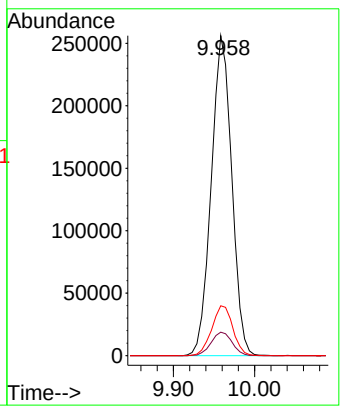
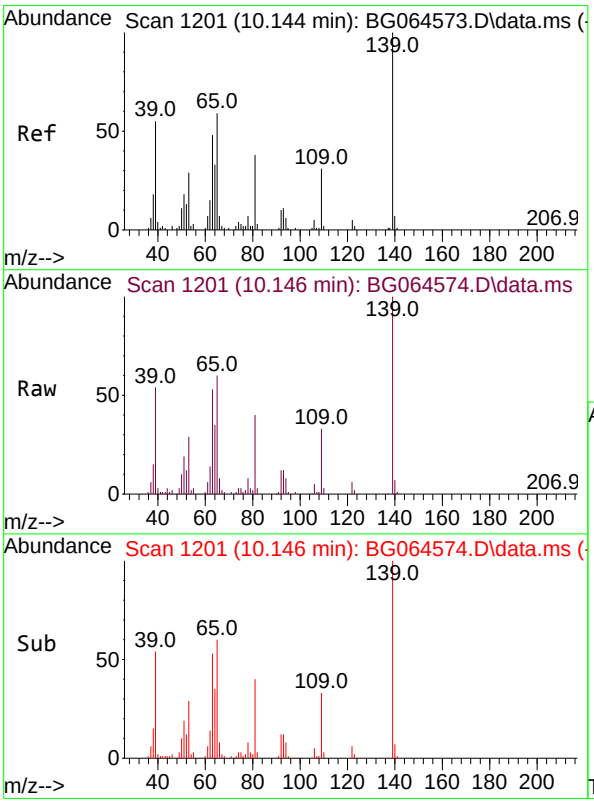
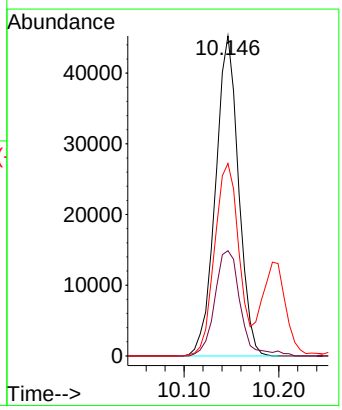


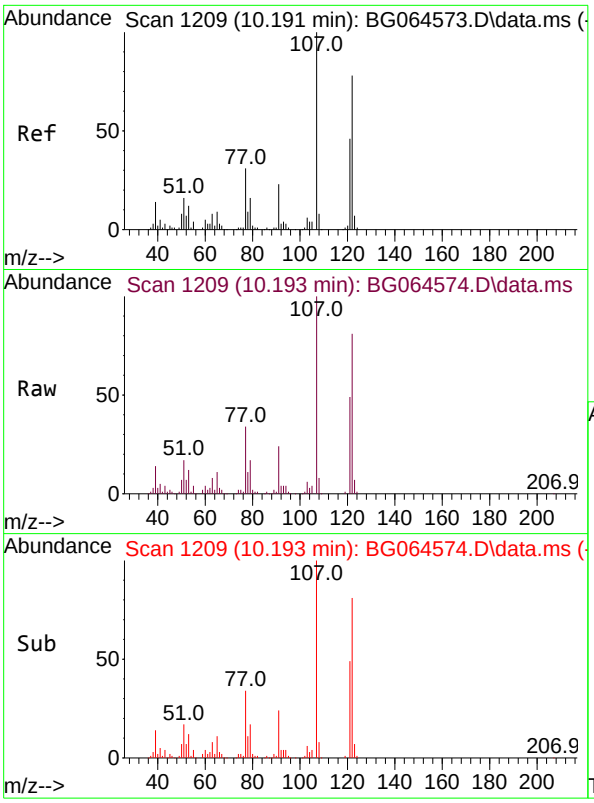


#26
2-Nitrophenol
Concen: 63.945 ng
RT: 10.146 min Scan# 1201
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:139 Resp: 76368

Ion	Ratio	Lower	Upper
139	100		
109	32.9	24.6	37.0
65	60.1	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 69.317 ng
RT: 10.193 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 17306

Ion	Ratio	Lower	Upper
122	100		
107	123.8	103.0	154.4
121	61.1	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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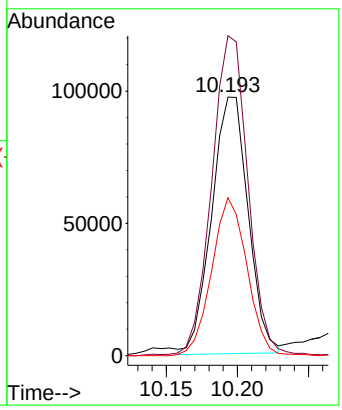
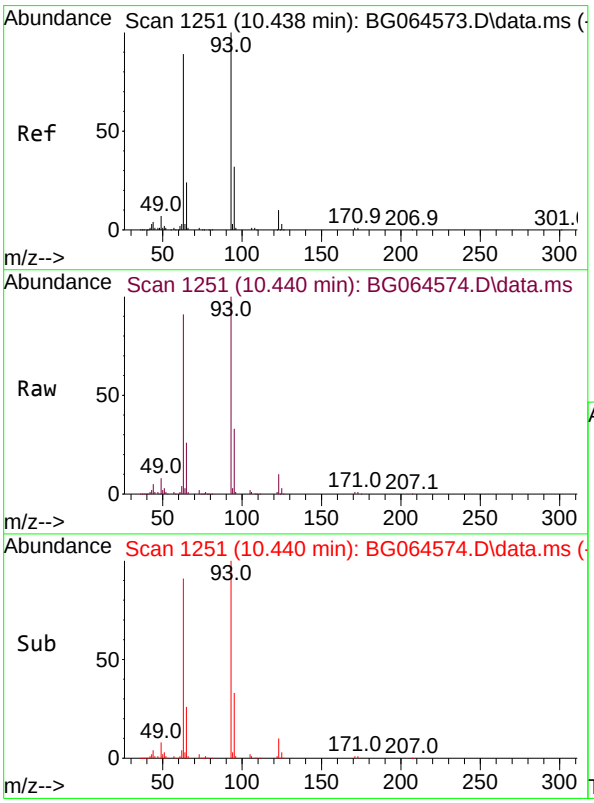
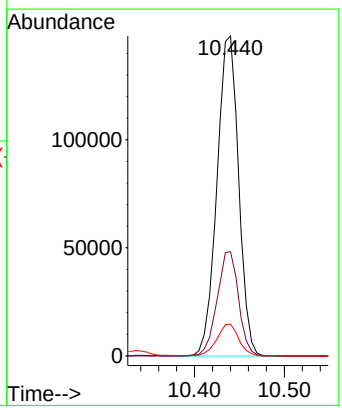


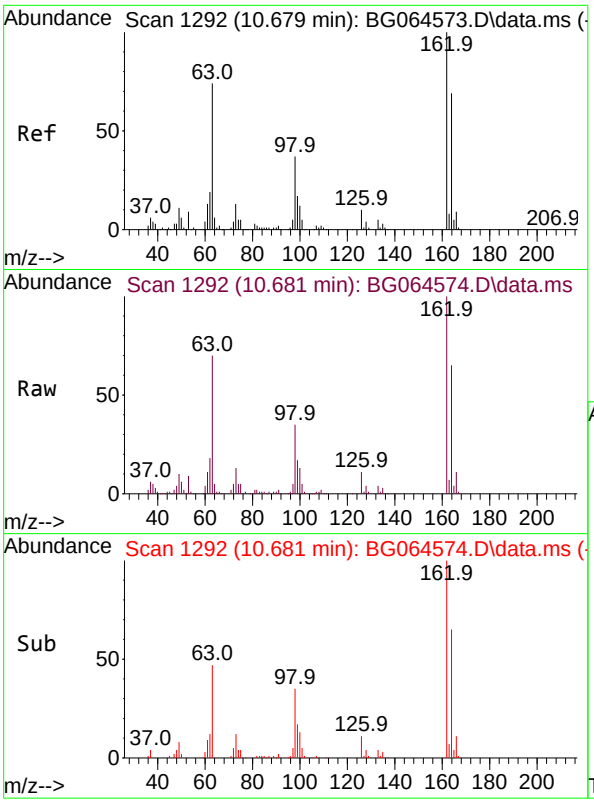


#28
bis(2-Chloroethoxy)methane
Concen: 65.078 ng
RT: 10.440 min Scan# 1251
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 248699

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.2
123	9.9	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 70.056 ng
RT: 10.681 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:162 Resp: 18823

Ion	Ratio	Lower	Upper
162	100		
164	64.9	48.7	88.7
98	35.2	16.9	56.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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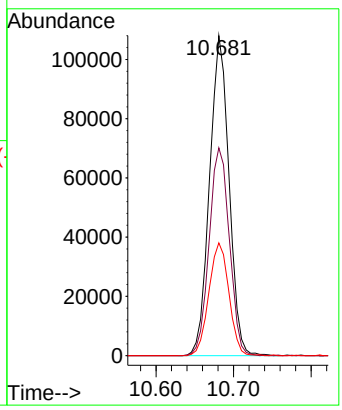
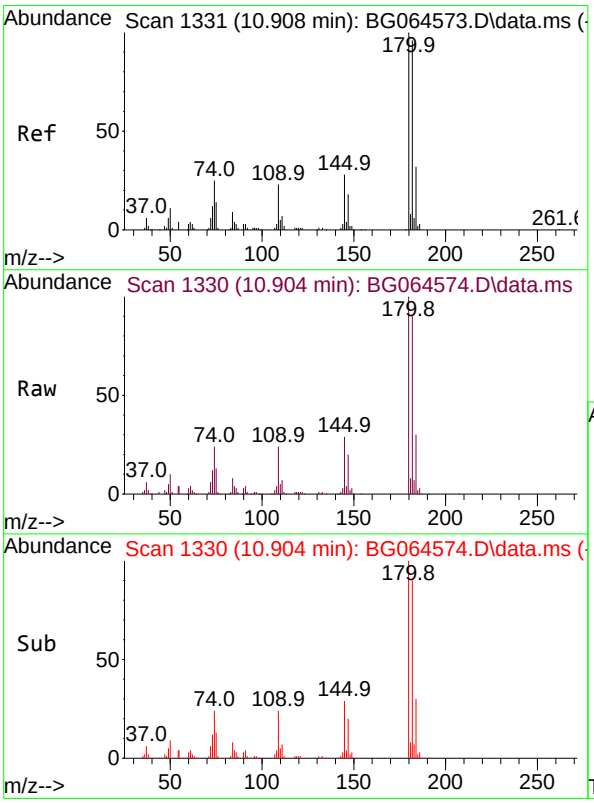
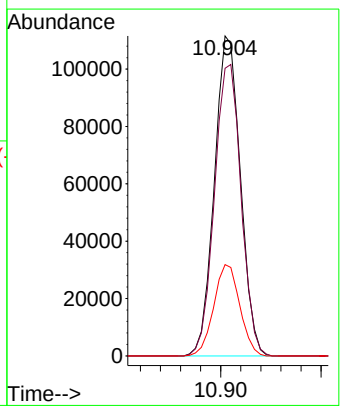


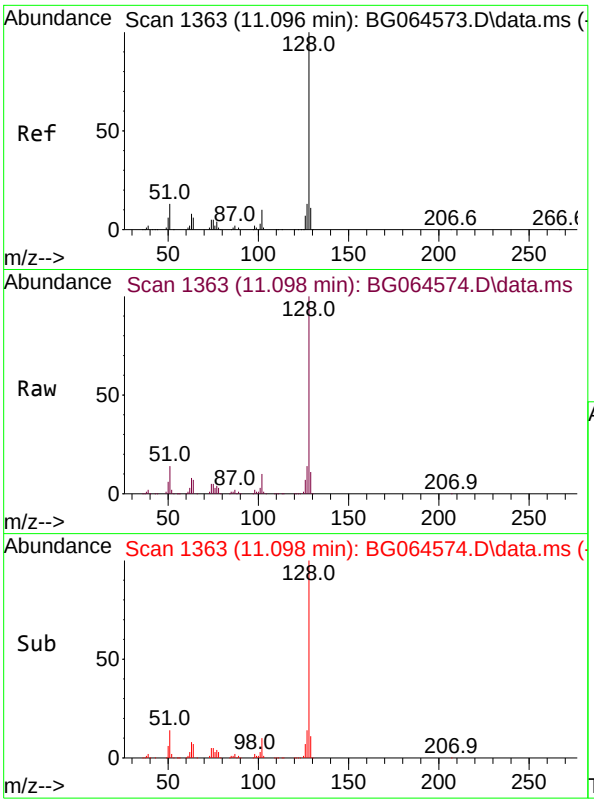


#30
1,2,4-Trichlorobenzene
Concen: 65.837 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:180 Resp: 200988

Ion	Ratio	Lower	Upper
180	100		
182	89.9	76.9	115.3
145	28.5	22.1	33.1





#31
Naphthalene
Concen: 64.976 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:128 Resp: 605239

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.6	10.6	15.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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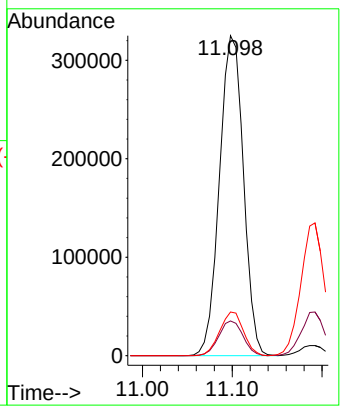
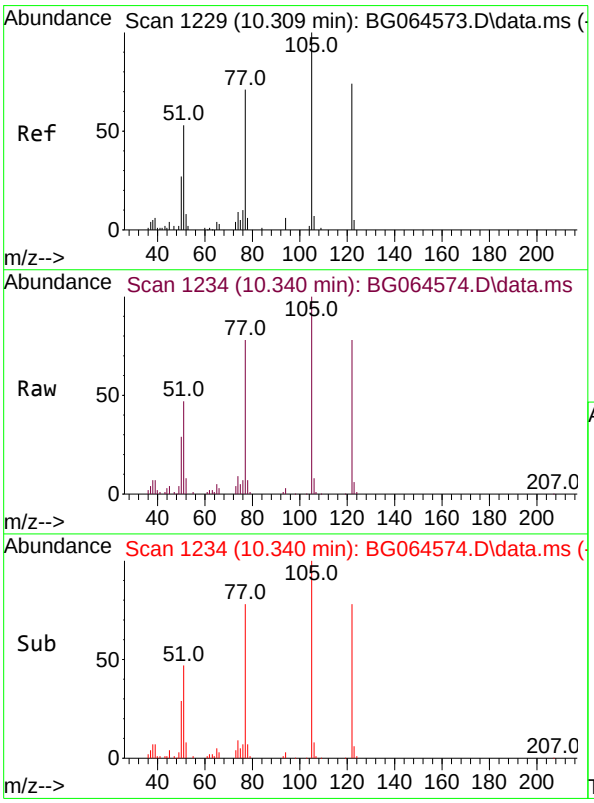
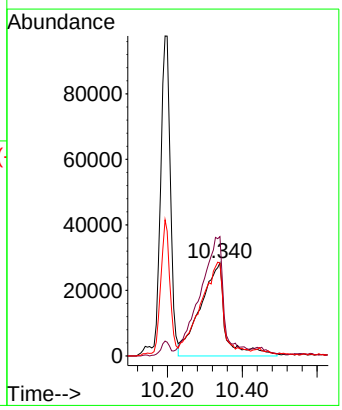


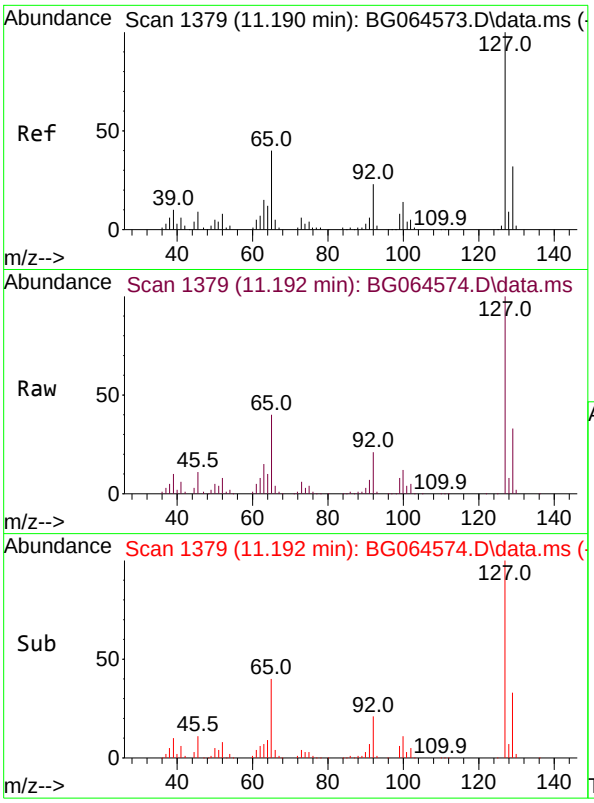


#32
Benzoic acid
Concen: 65.612 ng m
RT: 10.340 min Scan# 1234
Delta R.T. 0.031 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 130898

Ion	Ratio	Lower	Upper
122	100		
105	128.3	104.2	144.2
77	99.8	70.2	110.2





#33
4-Chloroaniline
Concen: 67.699 ng
RT: 11.192 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:127 Resp: 24510

Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.5	38.3
65	39.7	32.2	48.4
92	20.6	18.2	27.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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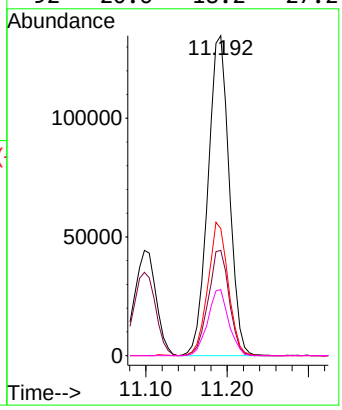
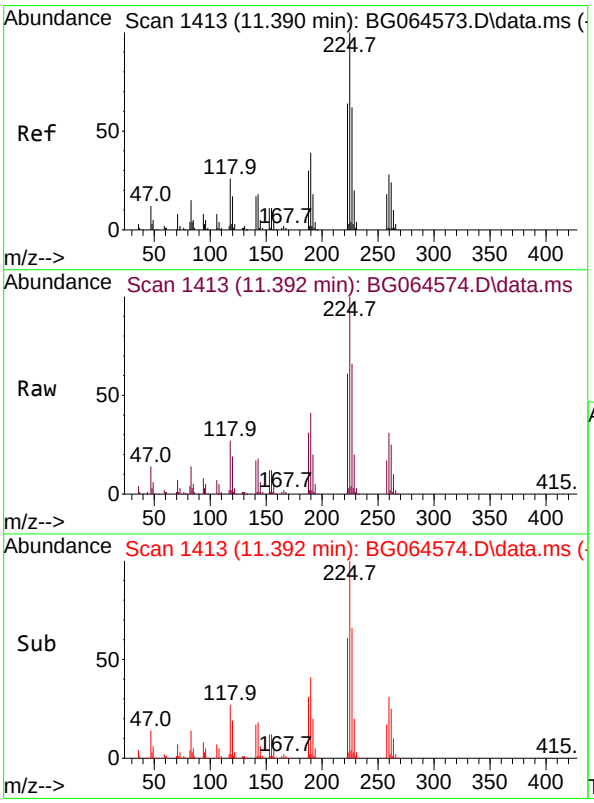
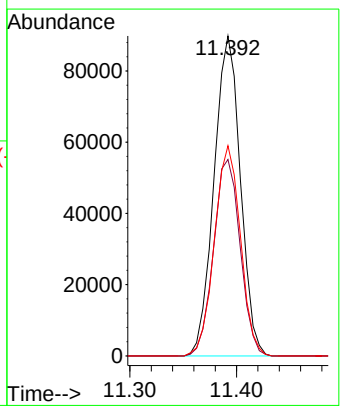


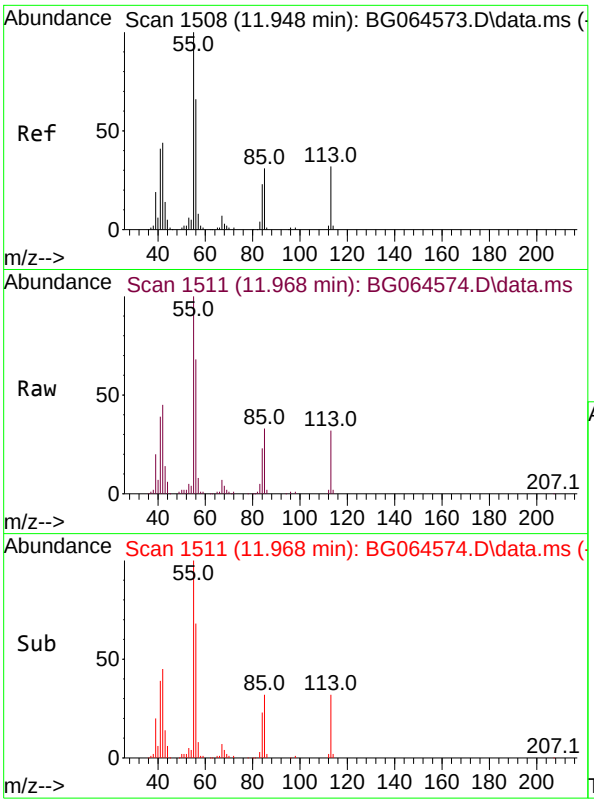


#34
Hexachlorobutadiene
Concen: 64.630 ng
RT: 11.392 min Scan# 1413
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:225 Resp: 154303

Ion	Ratio	Lower	Upper
225	100		
223	61.4	48.8	73.2
227	65.7	49.5	74.3





#35
Caprolactam
Concen: 69.206 ng
RT: 11.968 min Scan# 1
Delta R.T. 0.020 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:113 Resp: 71319

Ion	Ratio	Lower	Upper
113	100		
55	314.3	290.1	330.1
56	213.7	183.8	223.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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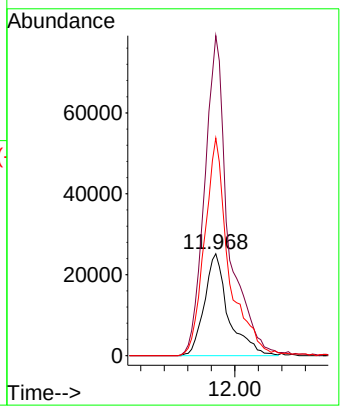
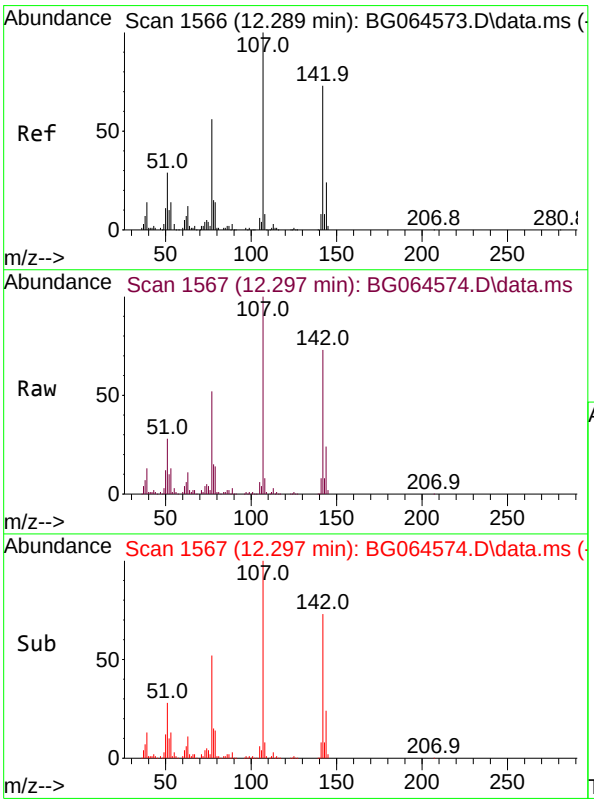
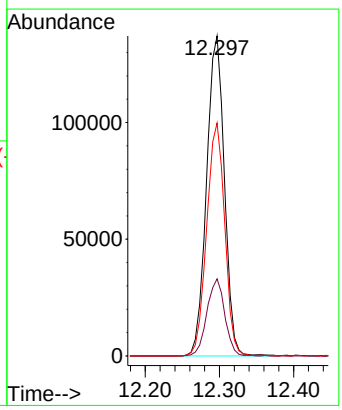


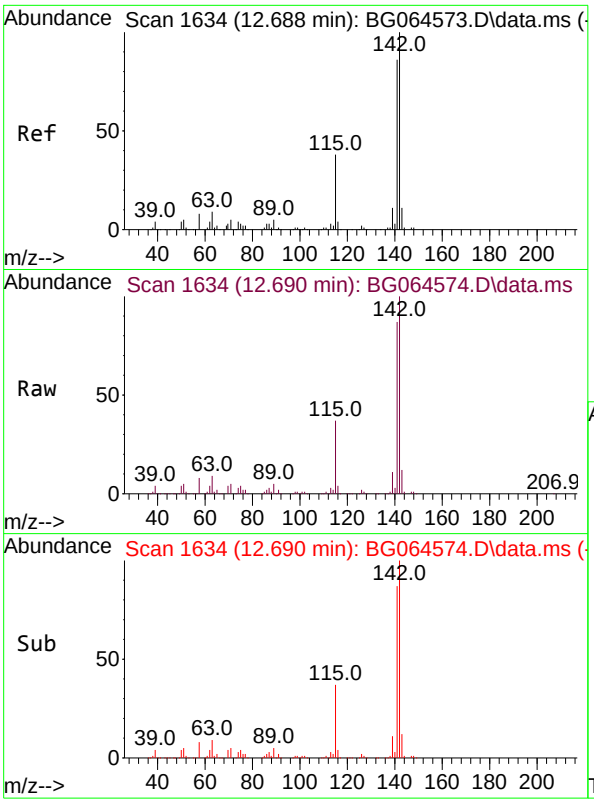


#36
4-Chloro-3-methylphenol
Concen: 70.853 ng
RT: 12.297 min Scan# 1567
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 228833

Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.1	28.7
142	72.8	58.6	87.8





#37
2-Methylnaphthalene
Concen: 65.435 ng
RT: 12.690 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:142 Resp: 44749

Ion	Ratio	Lower	Upper
142	100		
141	87.4	68.9	103.3
115	36.7	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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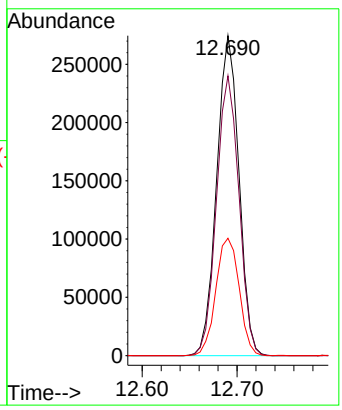
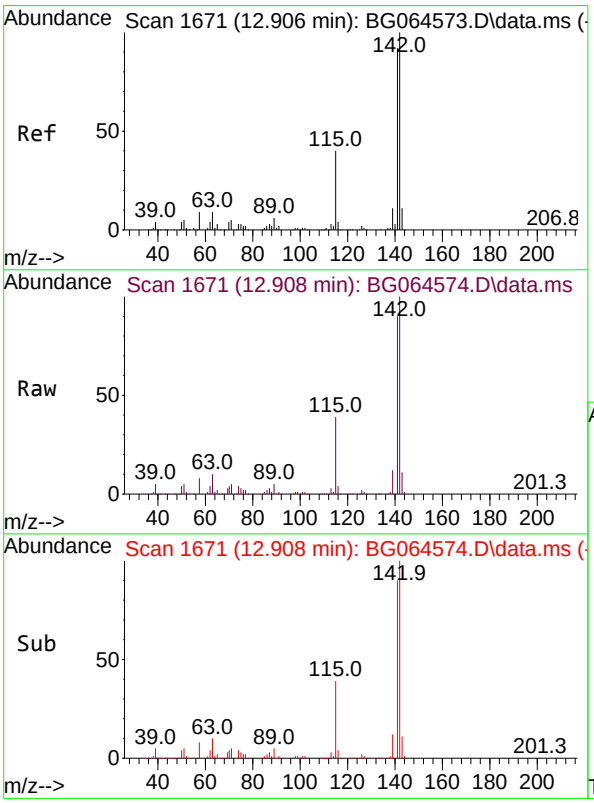
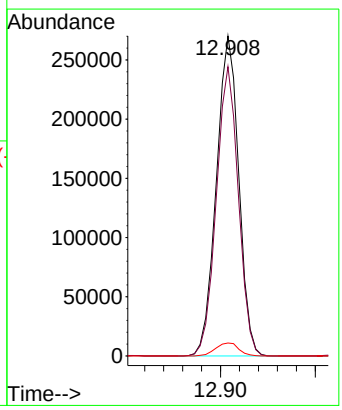


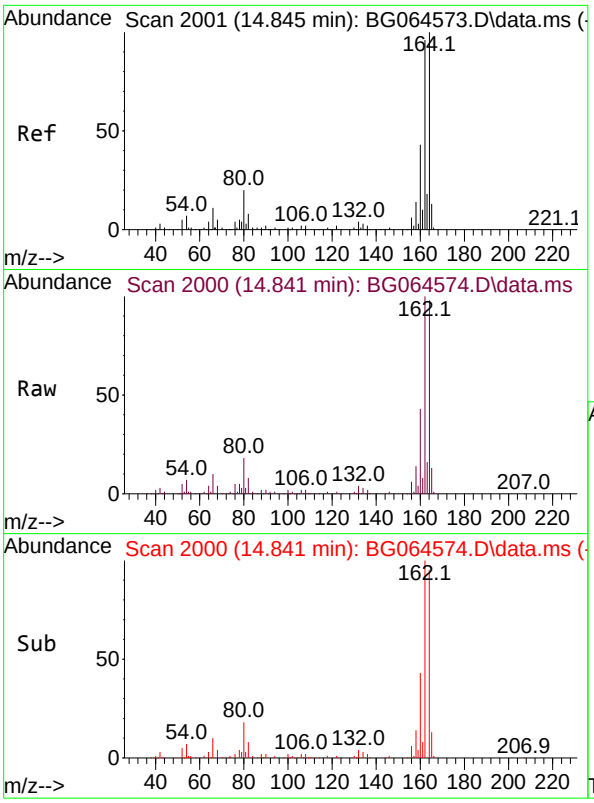


#38
1-Methylnaphthalene
Concen: 65.402 ng
RT: 12.908 min Scan# 1671
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:142 Resp: 442677

Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.3	109.9
116	4.0	3.1	4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 2(
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:164 Resp: 134994

Ion	Ratio	Lower	Upper
164	100		
162	102.5	77.0	115.6
160	43.9	34.4	51.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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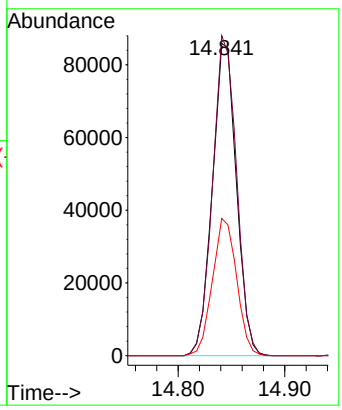
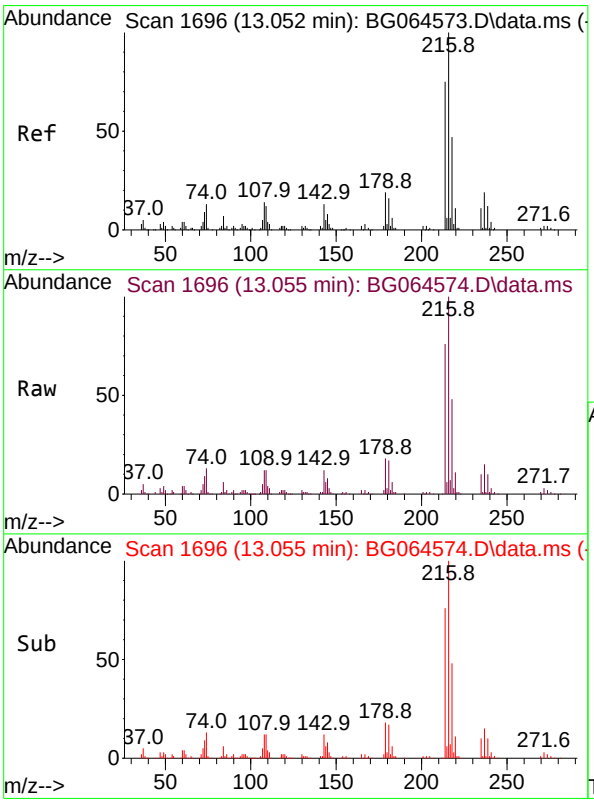
Supervised By :mohammad ahmed 11/05/2025

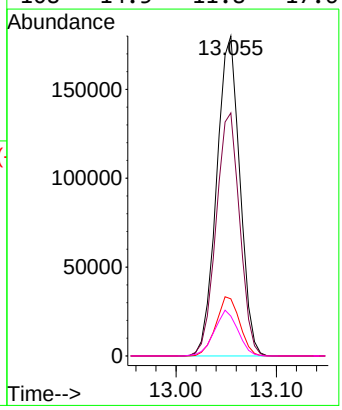


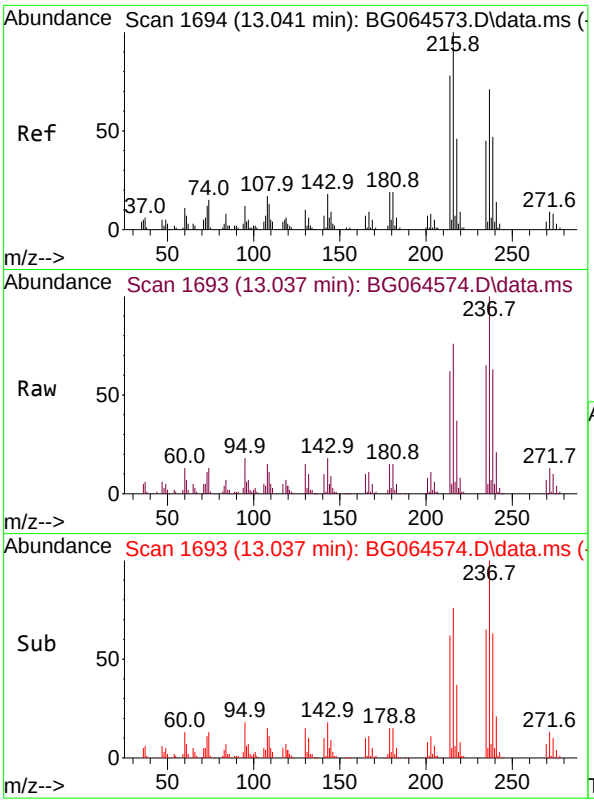


#40
1,2,4,5-Tetrachlorobenzene
Concen: 64.049 ng
RT: 13.055 min Scan# 1696
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:216 Resp: 290173

Ion	Ratio	Lower	Upper
216	100		
214	77.0	61.4	92.2
179	18.8	15.4	23.0
108	14.5	11.8	17.6





#41
Hexachlorocyclopentadiene
Concen: 67.540 ng
RT: 13.037 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:237 Resp: 13772

Ion	Ratio	Lower	Upper
237	100		
235	64.6	44.1	84.1
272	12.9	0.0	32.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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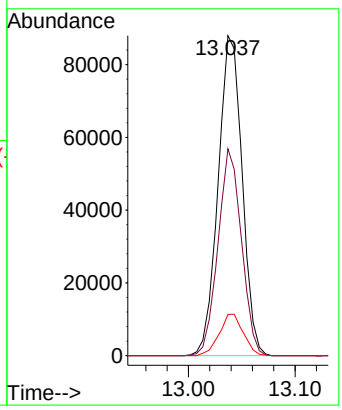
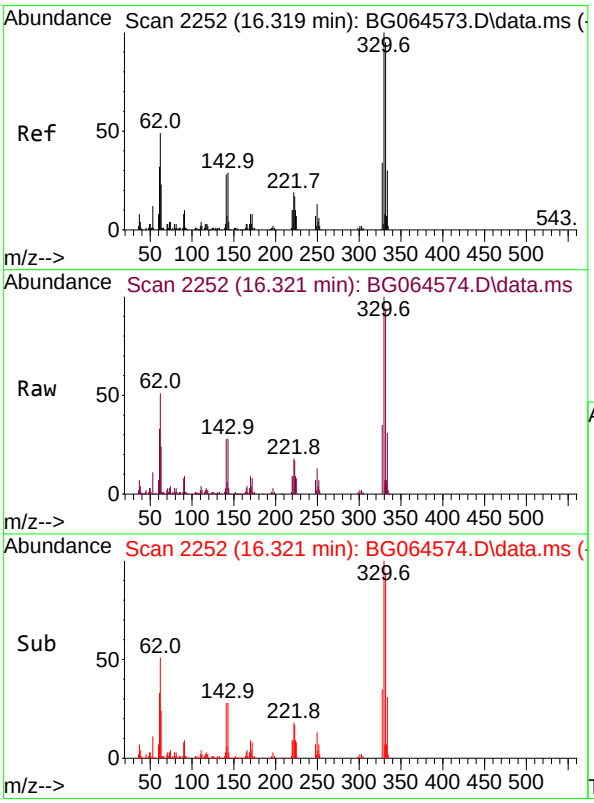
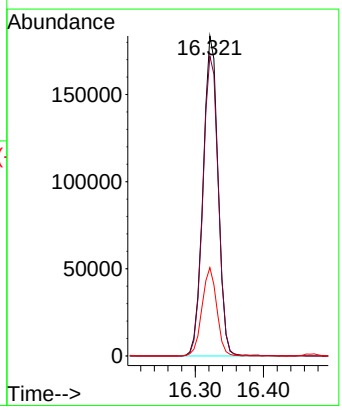


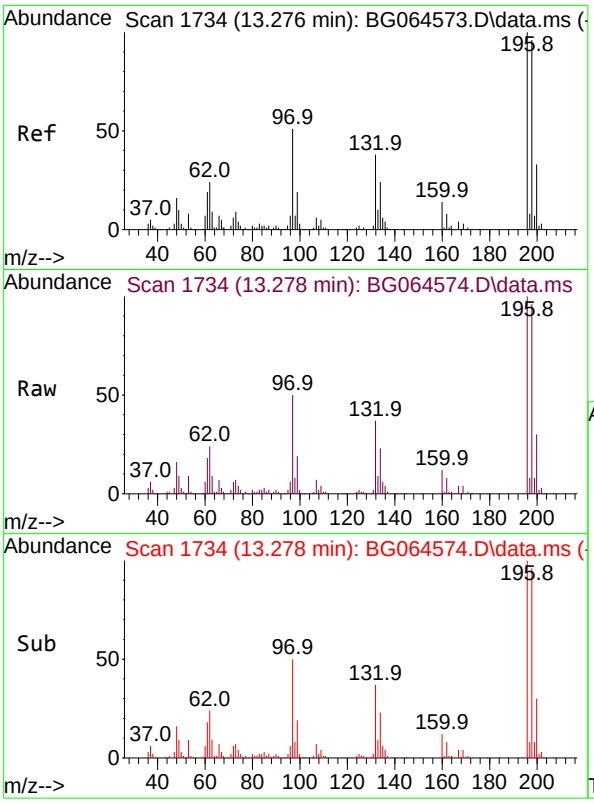


#42
2,4,6-Tribromophenol
Concen: 143.807 ng
RT: 16.321 min Scan# 2252
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:330 Resp: 280190

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	27.0	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 71.299 ng
RT: 13.278 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:196 Resp: 18477

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.6	115.0
200	30.4	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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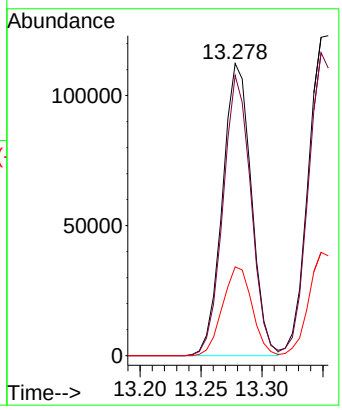
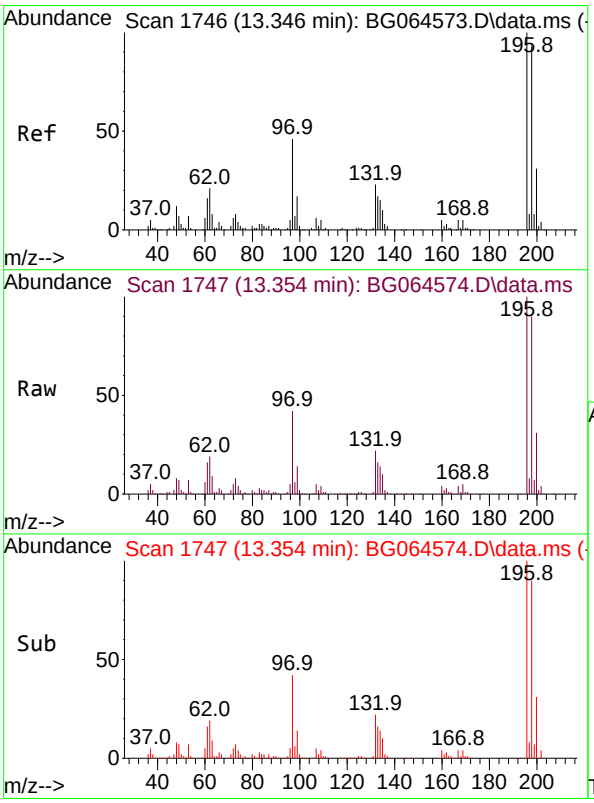
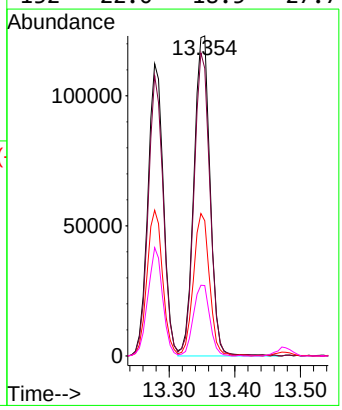


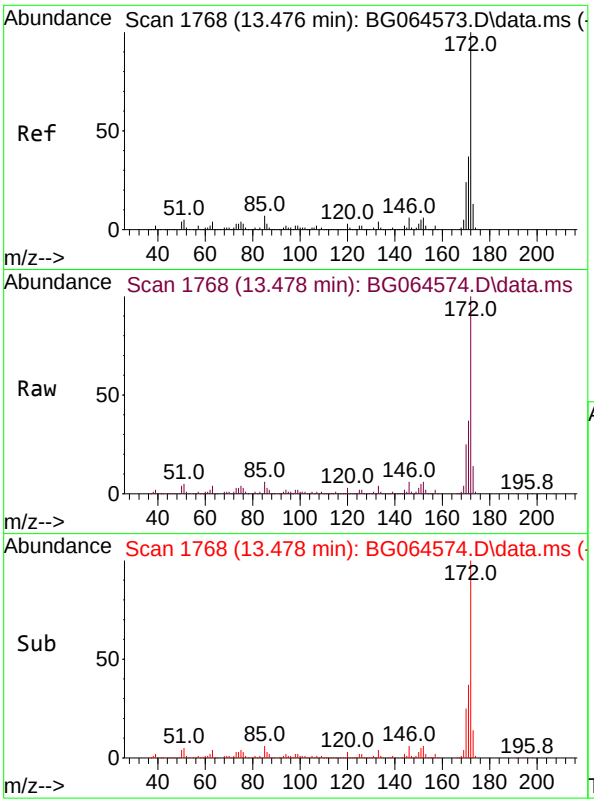


#44
2,4,5-Trichlorophenol
Concen: 69.994 ng
RT: 13.354 min Scan# 1747
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:196 Resp: 209320

Ion	Ratio	Lower	Upper
196	100		
198	89.8	74.2	111.4
97	42.2	37.0	55.6
132	22.0	18.5	27.7





#45
2-Fluorobiphenyl
Concen: 125.867 ng
RT: 13.478 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:172 Resp: 1120989

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	24.6	19.1	28.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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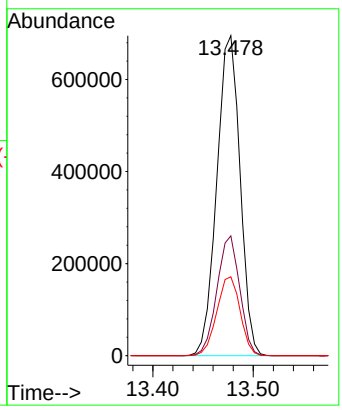
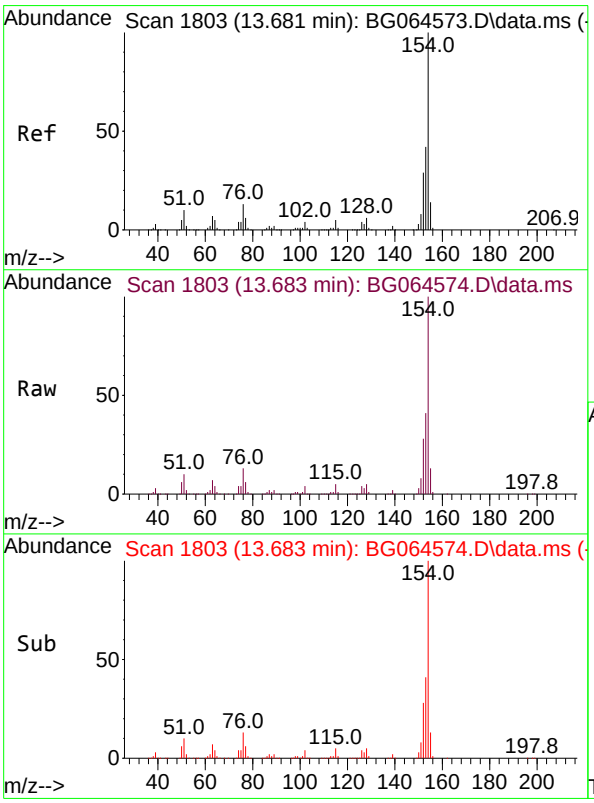
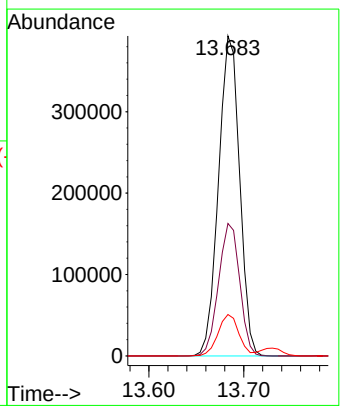


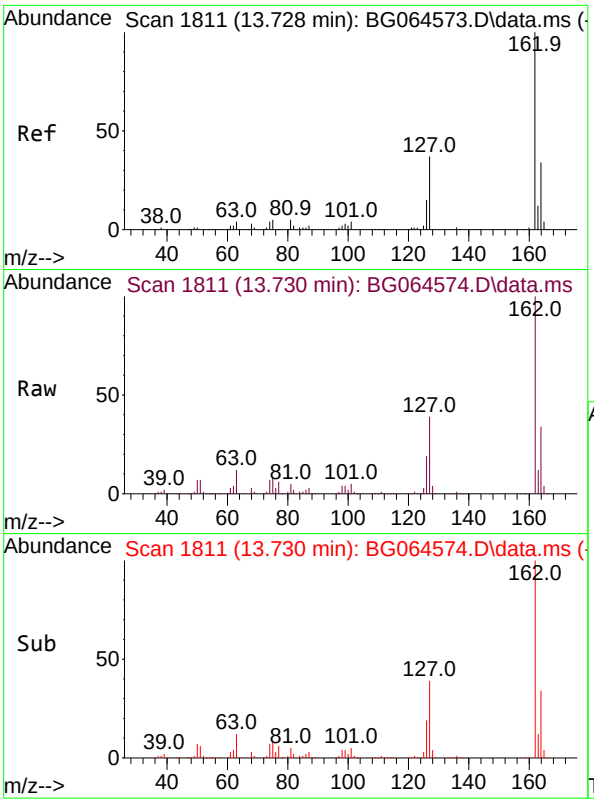


#46
1,1'-Biphenyl
Concen: 63.233 ng
RT: 13.683 min Scan# 1803
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:154 Resp: 606860

Ion	Ratio	Lower	Upper
154	100		
153	41.4	22.4	62.4
76	12.9	0.0	33.5





#47
2-Chloronaphthalene
Concen: 64.022 ng
RT: 13.730 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:162 Resp: 46379

Ion	Ratio	Lower	Upper
162	100		
127	38.8	32.2	48.2
164	34.0	27.5	41.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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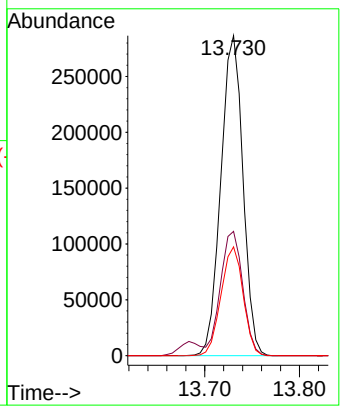
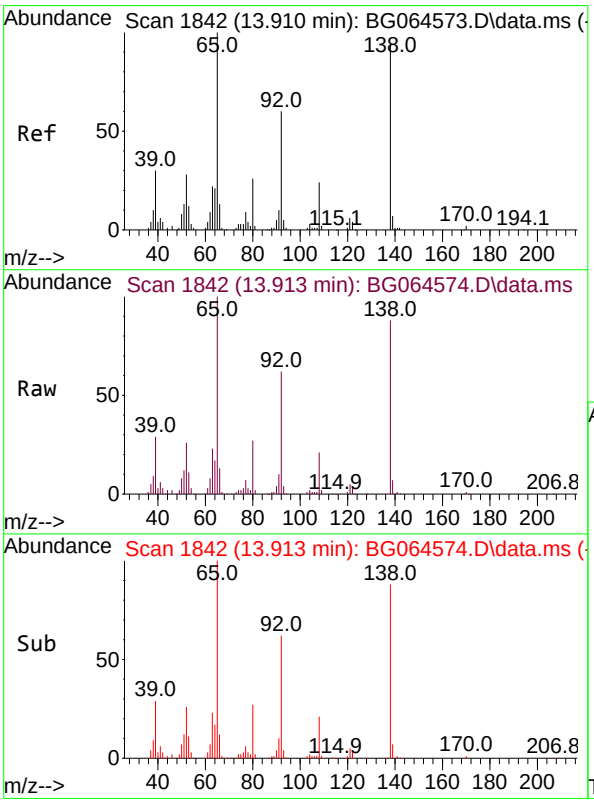
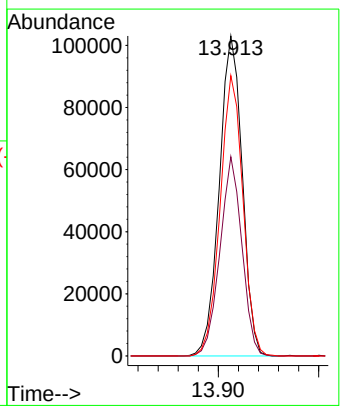


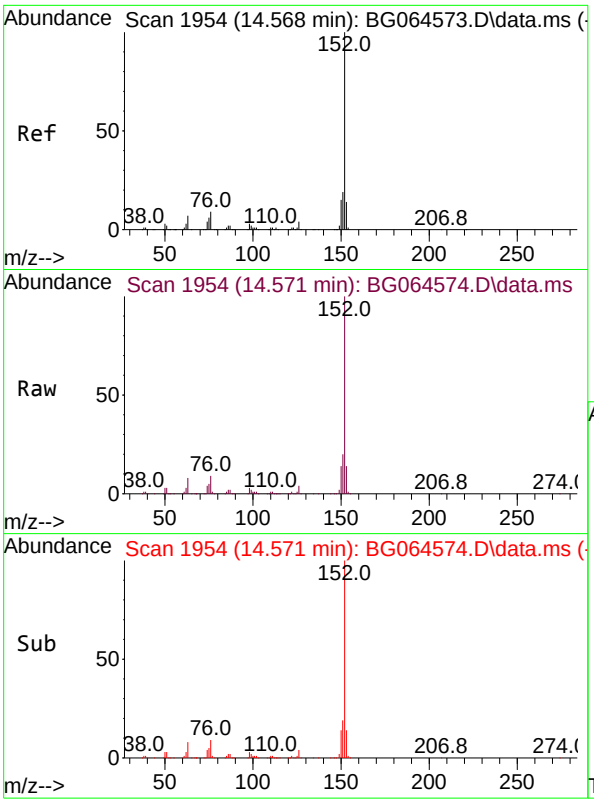


#48
2-Nitroaniline
Concen: 66.052 ng
RT: 13.913 min Scan# 1842
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 65 Resp: 163796

Ion	Ratio	Lower	Upper
65	100		
92	62.2	48.3	72.5
138	87.6	74.9	112.3





#49
Acenaphthylene
Concen: 64.738 ng
RT: 14.571 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 739728

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.5	11.0	16.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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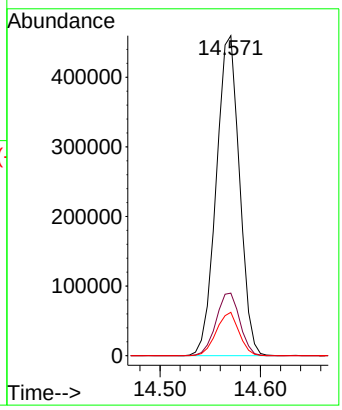
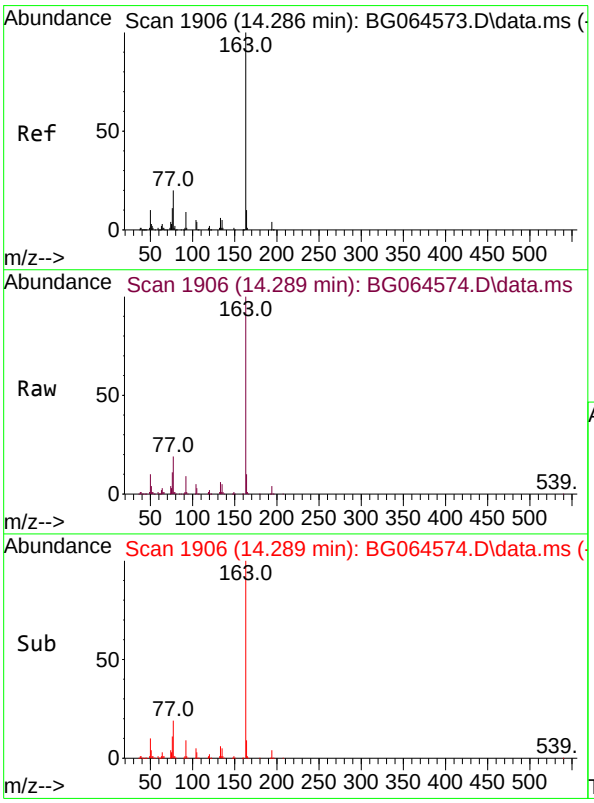
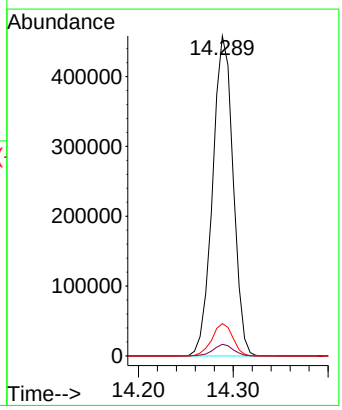


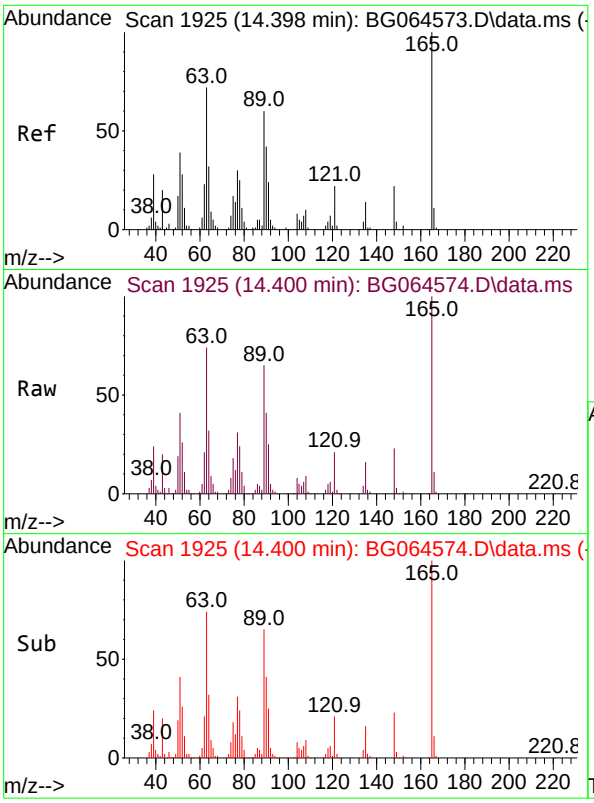


#50
Dimethylphthalate
Concen: 66.616 ng
RT: 14.289 min Scan# 1906
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:163 Resp: 688128

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.1	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 65.951 ng
RT: 14.400 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:165 Resp: 114588

Ion	Ratio	Lower	Upper
165	100		
63	73.9	57.4	86.0
89	65.4	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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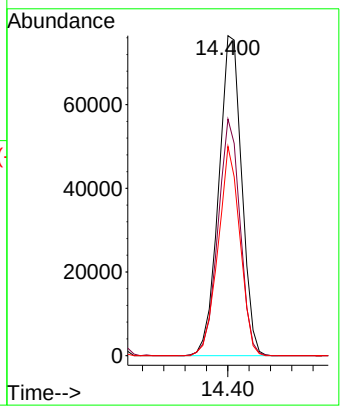
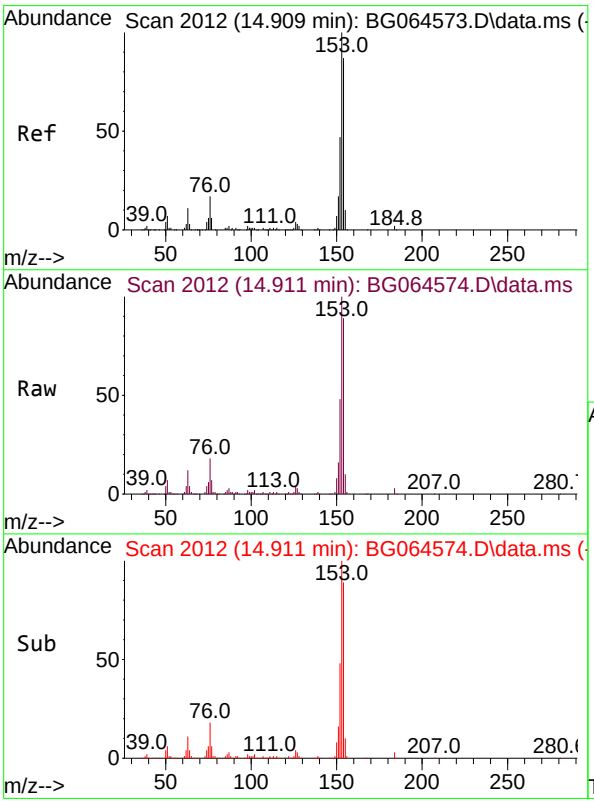
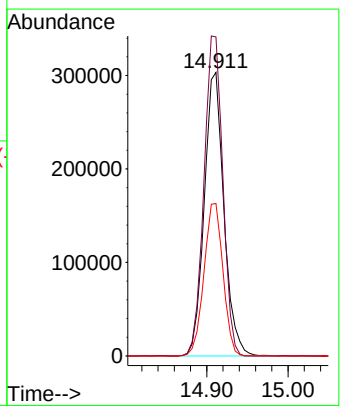


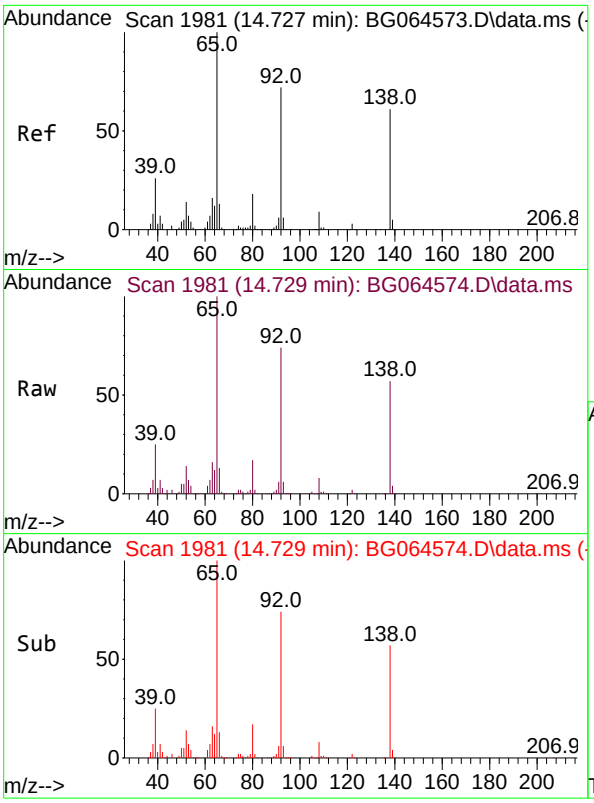


#52
Acenaphthene
Concen: 65.392 ng
RT: 14.911 min Scan# 2012
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:154 Resp: 510499

Ion	Ratio	Lower	Upper
154	100		
153	112.5	92.2	138.4
152	53.8	43.2	64.8





#53
3-Nitroaniline
Concen: 74.231 ng
RT: 14.729 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:138 Resp: 13177

Ion	Ratio	Lower	Upper
138	100		
108	13.1	11.4	17.0
92	130.0	95.3	142.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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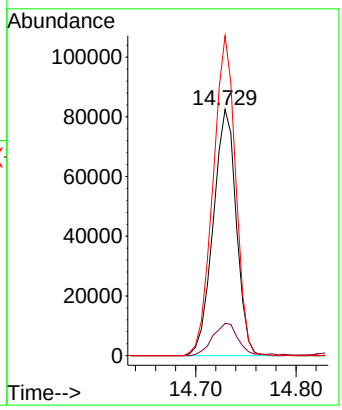
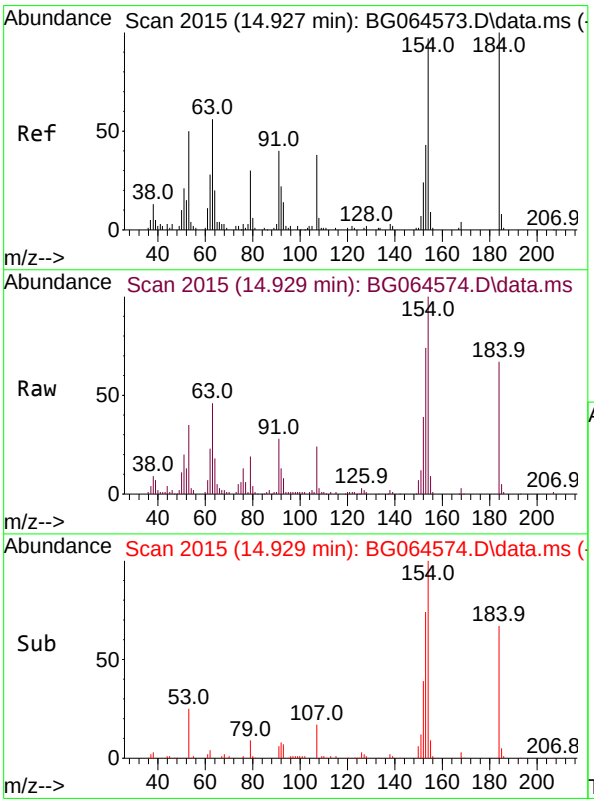
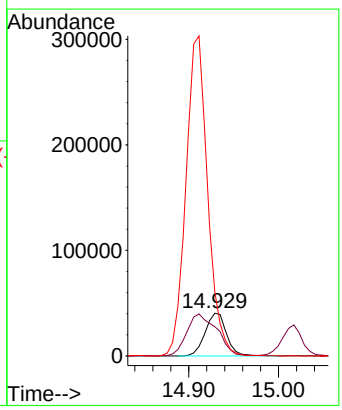


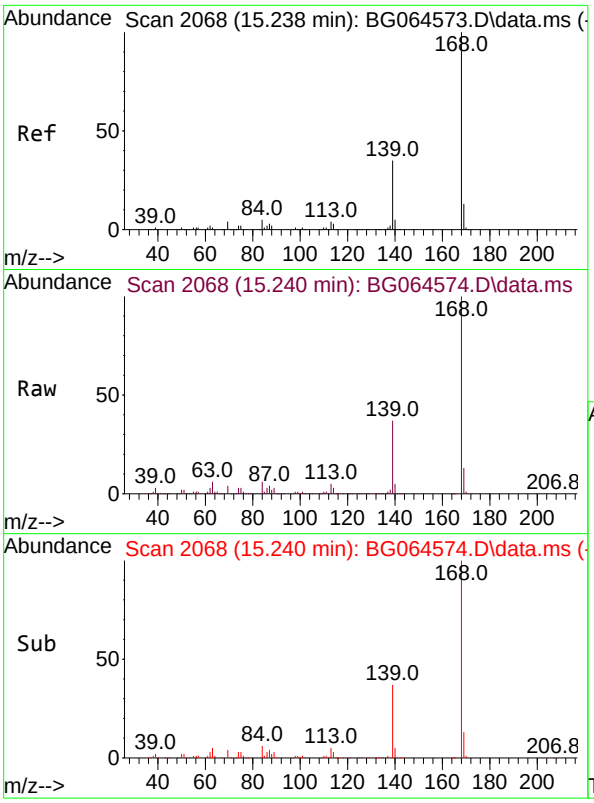


#54
2,4-Dinitrophenol
Concen: 65.082 ng
RT: 14.929 min Scan# 2015
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:184 Resp: 66900

Ion	Ratio	Lower	Upper
184	100		
63	68.5	56.6	85.0
154	149.4	158.6	238.0#





#55
Dibenzofuran
Concen: 63.779 ng
RT: 15.240 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:168 Resp: 804964

Ion	Ratio	Lower	Upper
168	100		
139	36.7	27.8	41.8
169	13.4	10.3	15.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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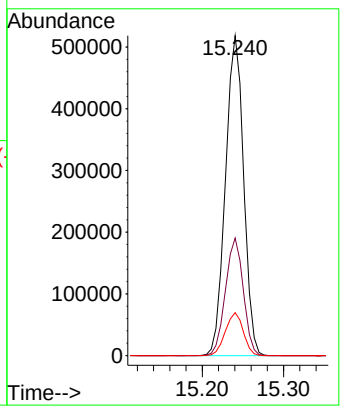
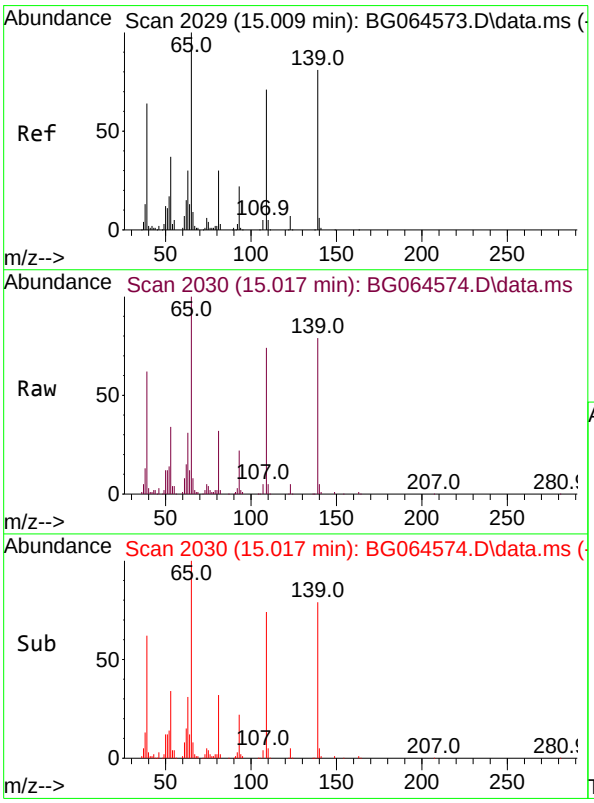
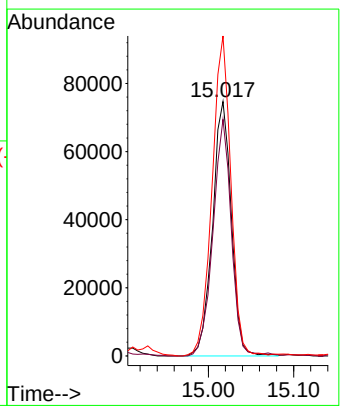


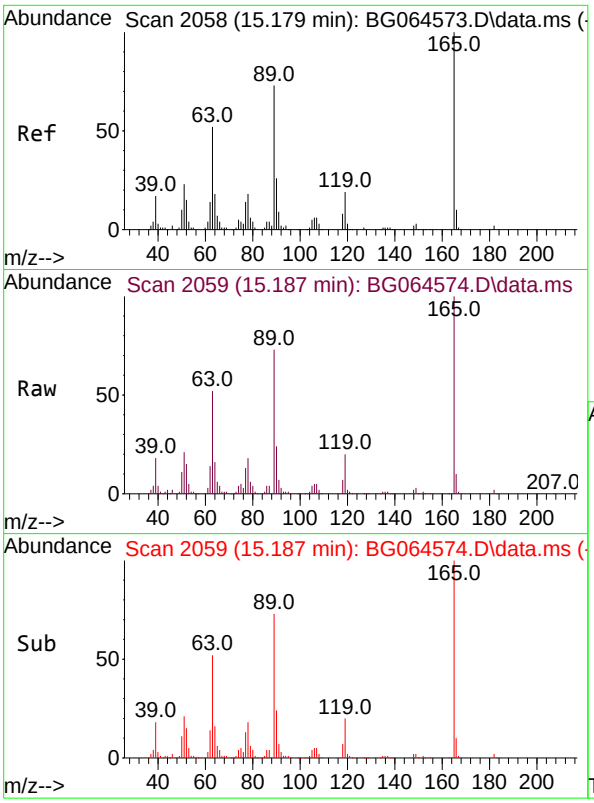


#56
4-Nitrophenol
Concen: 69.512 ng
RT: 15.017 min Scan# 2030
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:139 Resp: 114408

Ion	Ratio	Lower	Upper
139	100		
109	93.0	67.8	107.8
65	125.8	103.7	143.7





#57
2,4-Dinitrotoluene
Concen: 65.522 ng
RT: 15.187 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:165 Resp: 17580

Ion	Ratio	Lower	Upper
165	100		
63	52.0	41.8	62.8
89	72.9	58.1	87.1
182	2.1	1.4	2.0#

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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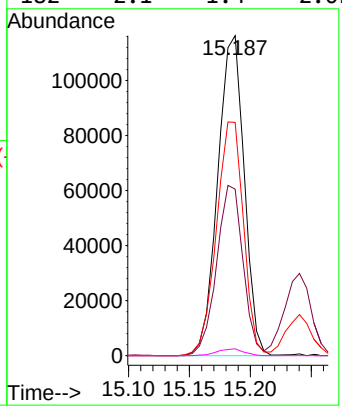
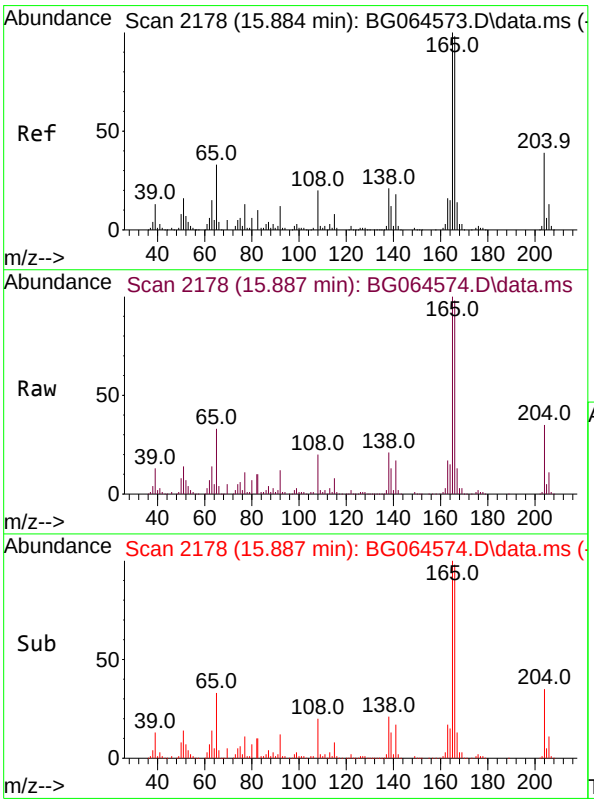
Supervised By :mohammad ahmed 11/05/2025

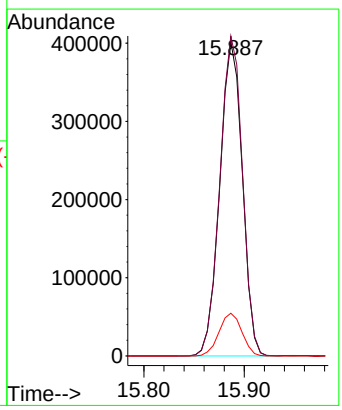


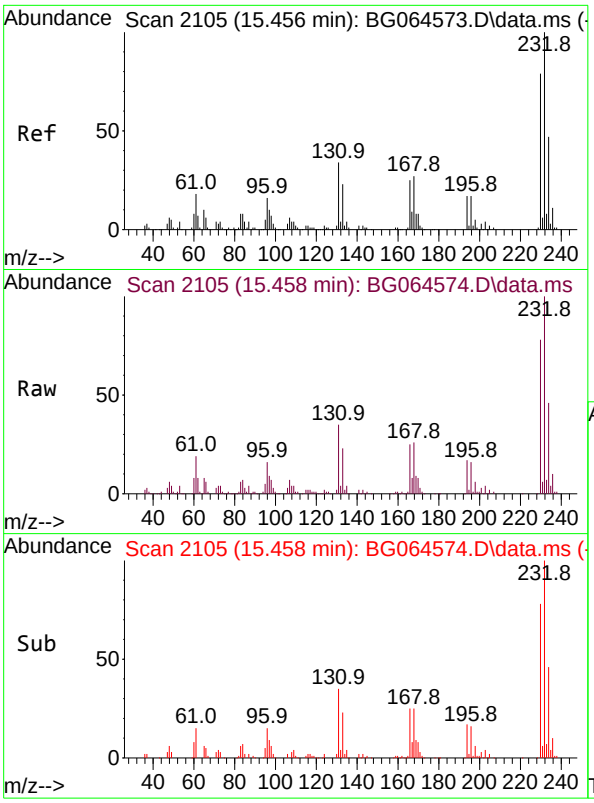


#58
Fluorene
Concen: 63.656 ng
RT: 15.887 min Scan# 2178
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:166 Resp: 627437

Ion	Ratio	Lower	Upper
166	100		
165	101.8	81.5	122.3
167	13.5	11.4	17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 71.870 ng
RT: 15.458 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:232 Resp: 205529

Ion	Ratio	Lower	Upper
232	100		
131	34.7	26.7	40.1
130	2.0	1.6	2.4
166	25.6	20.5	30.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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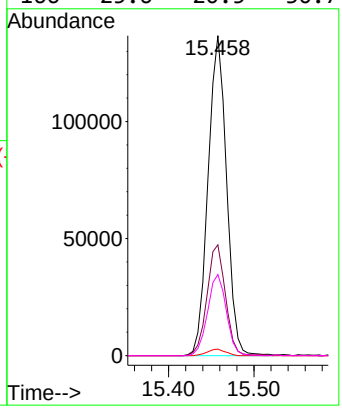
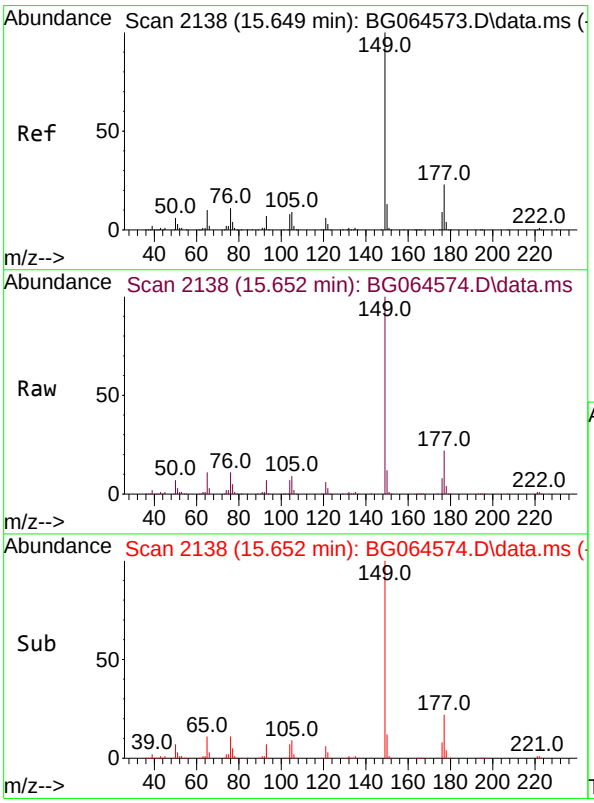
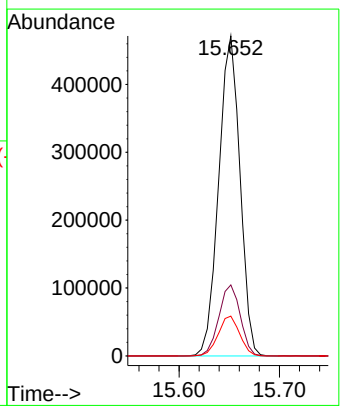


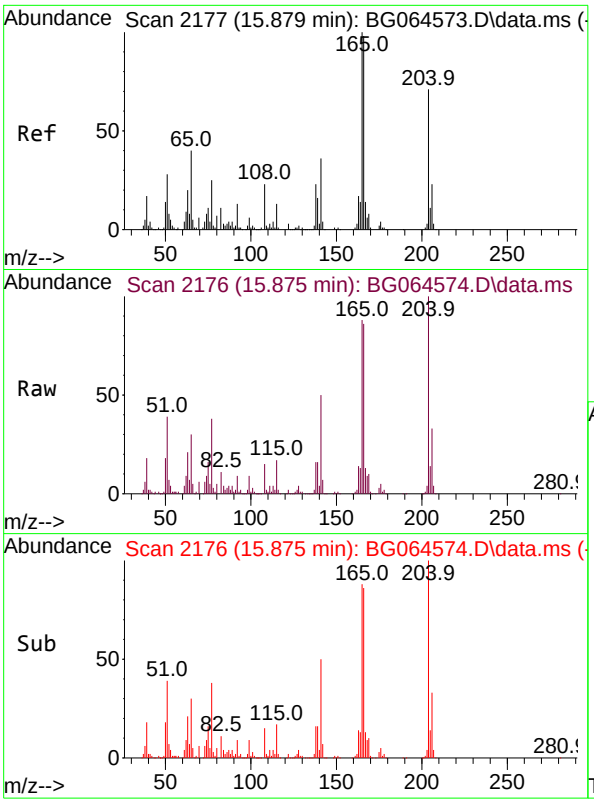


#60
Diethylphthalate
Concen: 65.982 ng
RT: 15.652 min Scan# 2138
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 695924

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.0	27.0
150	12.4	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 65.038 ng
RT: 15.875 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:204 Resp: 359759

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.6	38.4
141	50.4	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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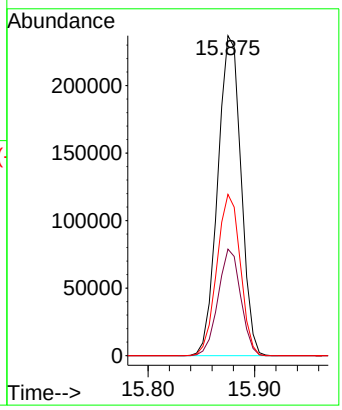
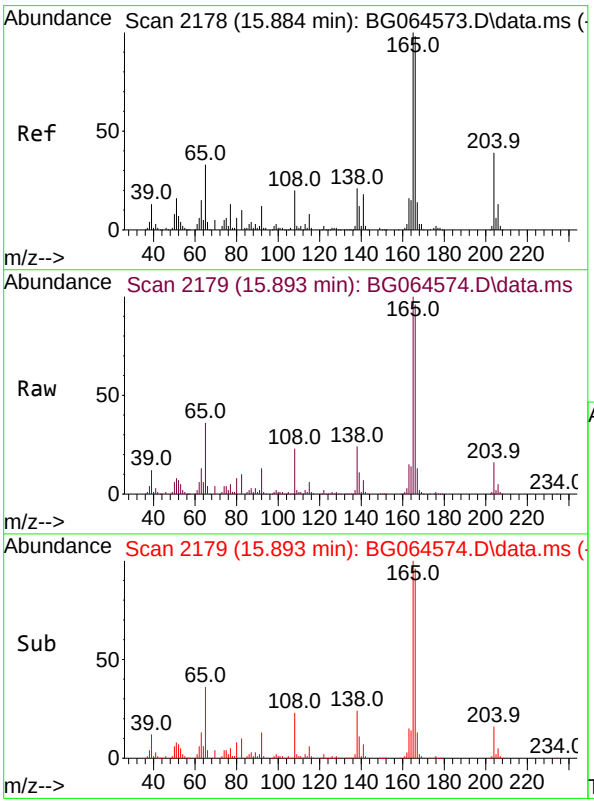
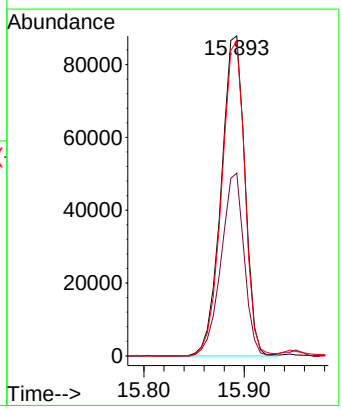


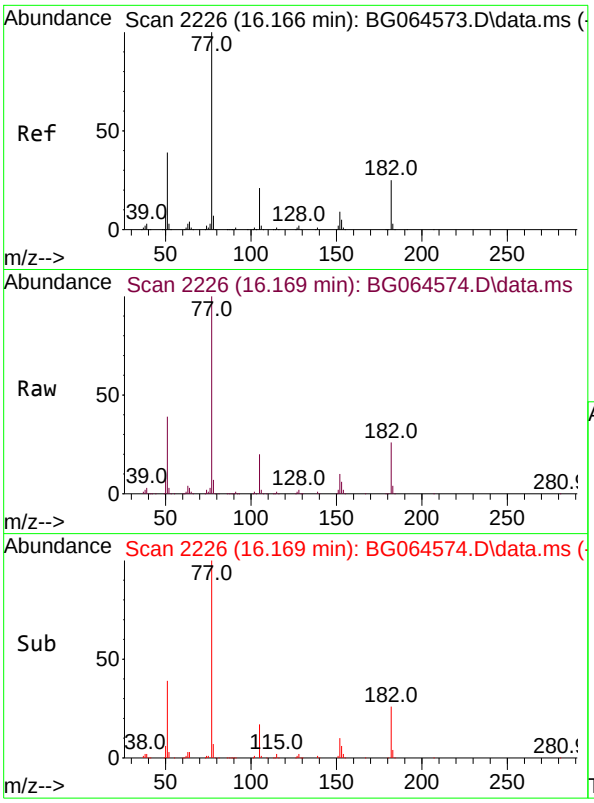


#62
4-Nitroaniline
Concen: 72.832 ng
RT: 15.893 min Scan# 2179
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:138 Resp: 143839

Ion	Ratio	Lower	Upper
138	100		
92	57.1	36.1	76.1
108	98.4	75.6	115.6

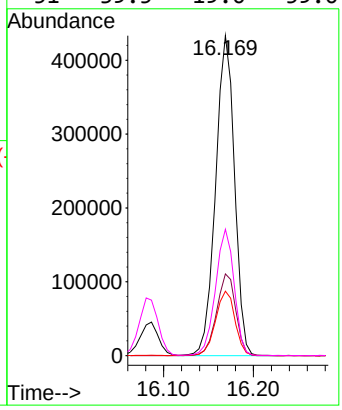




#63
Azobenzene
Concen: 65.464 ng
RT: 16.169 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 633520

Ion	Ratio	Lower	Upper
77	100		
182	25.5	4.9	44.9
105	20.1	1.3	41.3
51	39.5	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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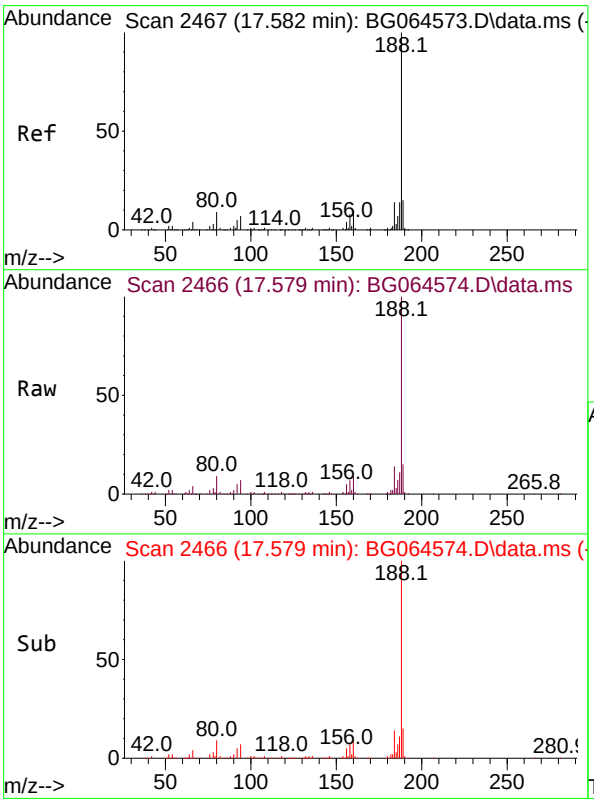
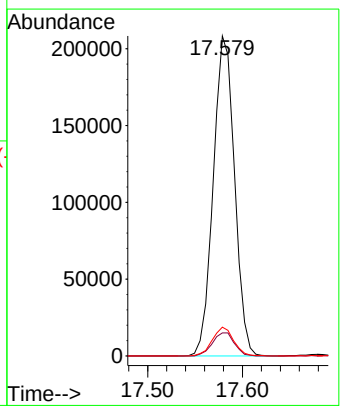
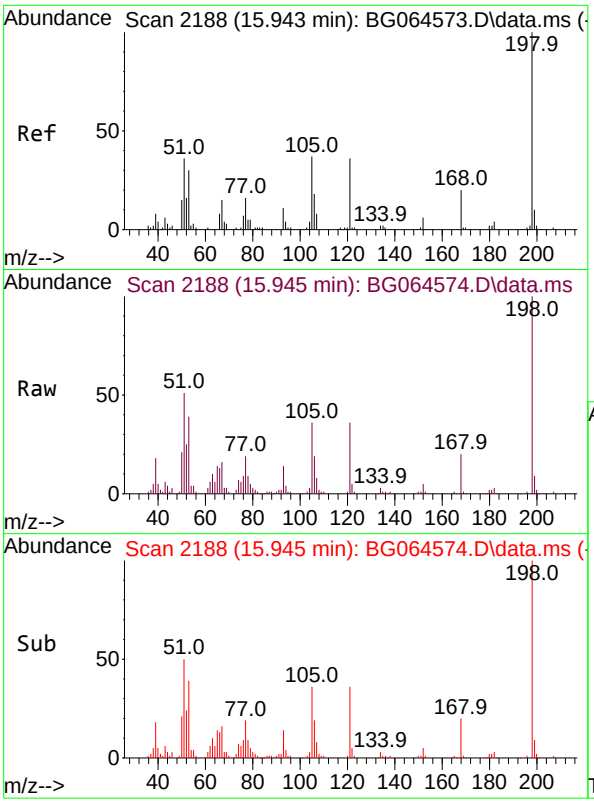


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2466
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:188 Resp: 324385

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	9.0	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 64.046 ng
RT: 15.945 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:198 Resp: 9433

Ion	Ratio	Lower	Upper
198	100		
51	50.7	24.7	64.7
105	36.0	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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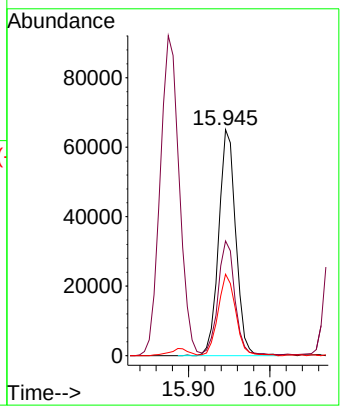
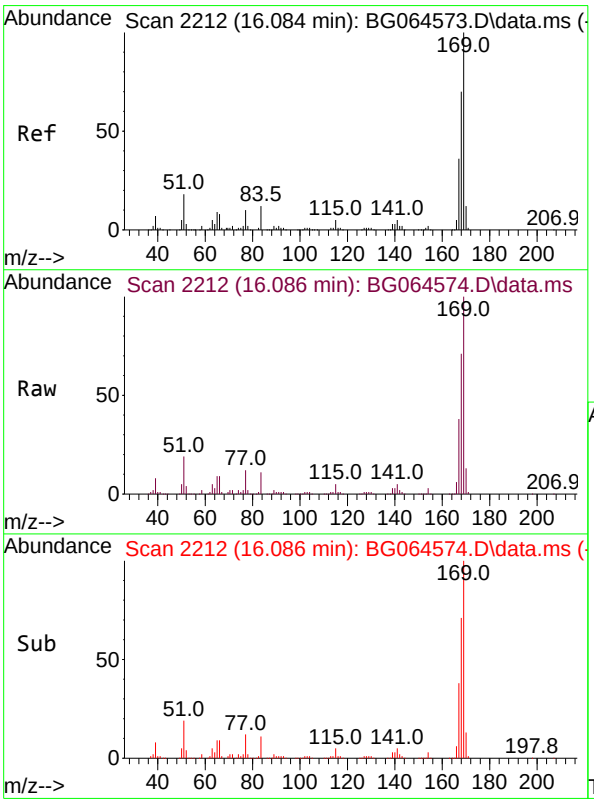
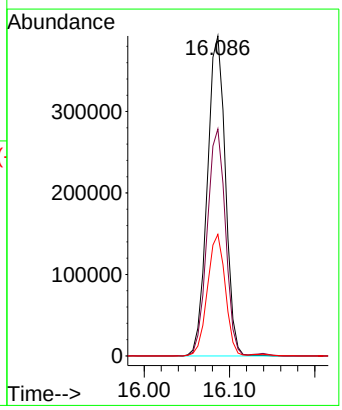


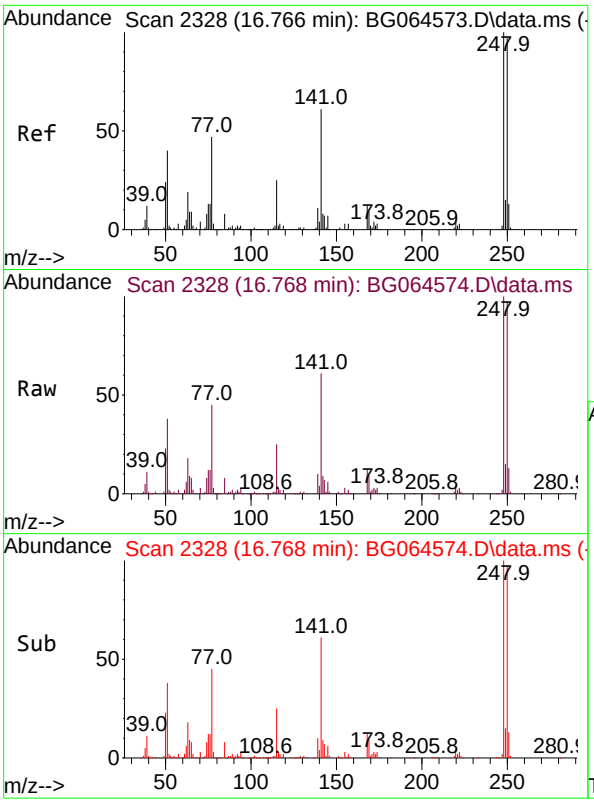


#66
n-Nitrosodiphenylamine
Concen: 65.944 ng
RT: 16.086 min Scan# 2212
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:169 Resp: 577835

Ion	Ratio	Lower	Upper
169	100		
168	70.9	56.3	84.5
167	38.0	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 66.740 ng
RT: 16.768 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:248 Resp: 25655

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.7	116.5
141	60.8	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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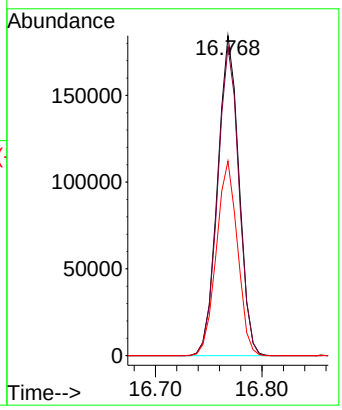
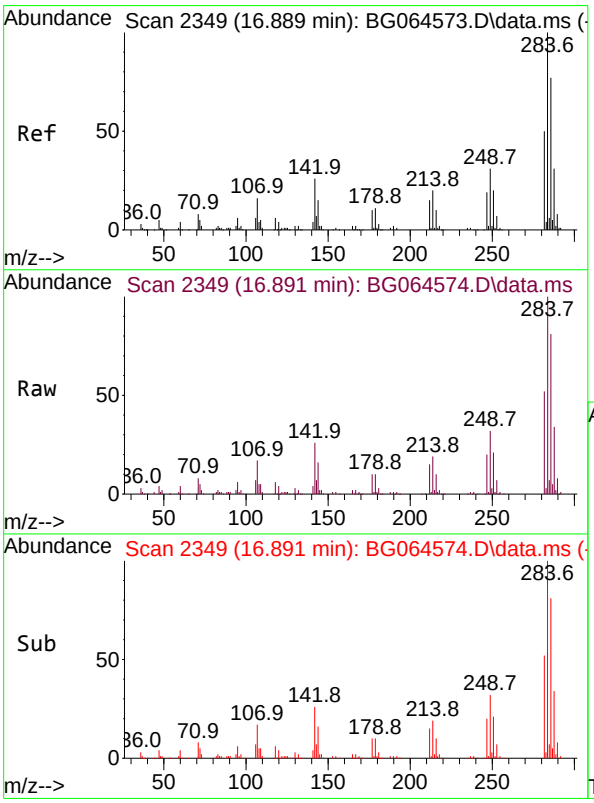
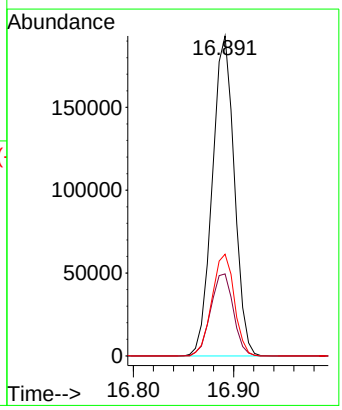


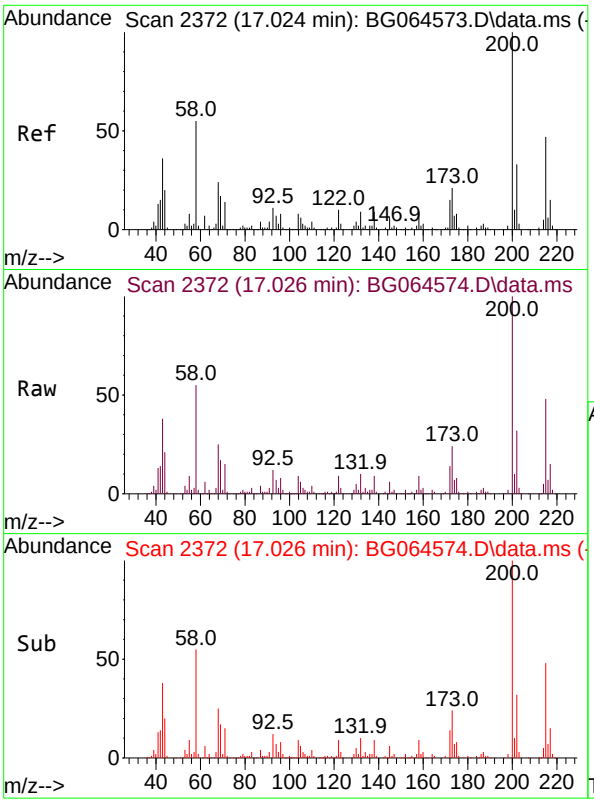


#68
Hexachlorobenzene
Concen: 67.001 ng
RT: 16.891 min Scan# 2349
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:284 Resp: 293831

Ion	Ratio	Lower	Upper
284	100		
142	25.6	21.0	31.6
249	34.5	24.9	37.3





#69
Atrazine
Concen: 67.378 ng
RT: 17.026 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:200 Resp: 254070

Ion	Ratio	Lower	Upper
200	100		
173	23.6	0.9	40.9
215	47.9	27.0	67.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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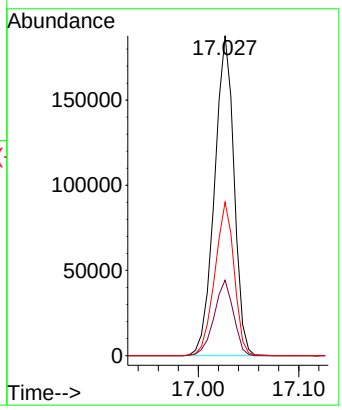
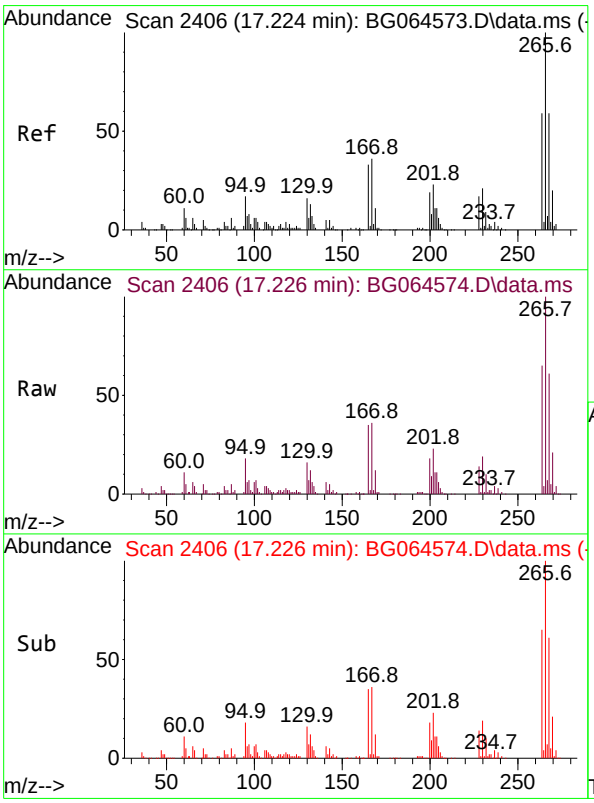
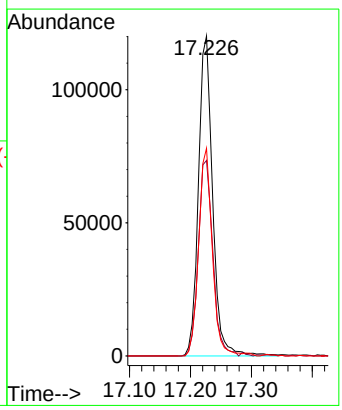


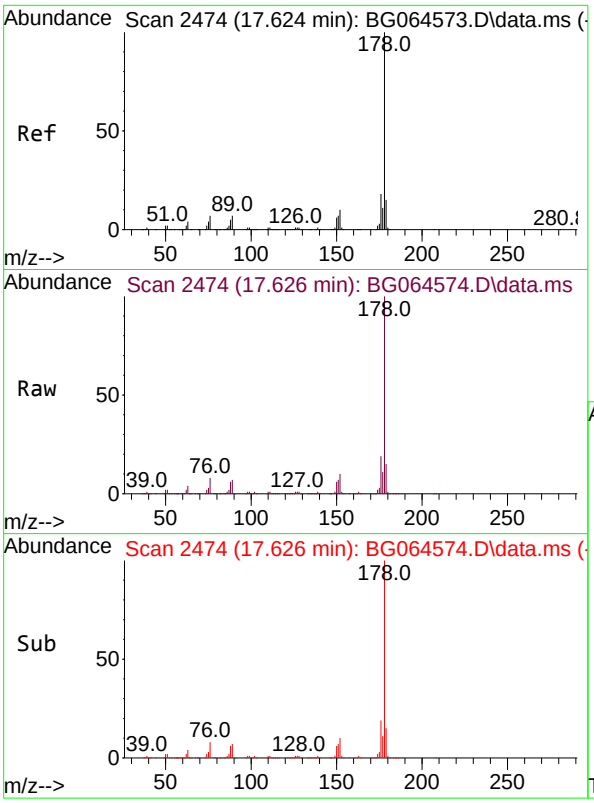


#70
Pentachlorophenol
Concen: 70.923 ng
RT: 17.226 min Scan# 2406
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:266 Resp: 193954

Ion	Ratio	Lower	Upper
266	100		
268	66.0	50.3	75.5
264	69.3	47.3	70.9





#71
Phenanthrene
Concen: 64.676 ng
RT: 17.626 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:178 Resp: 114731

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.4	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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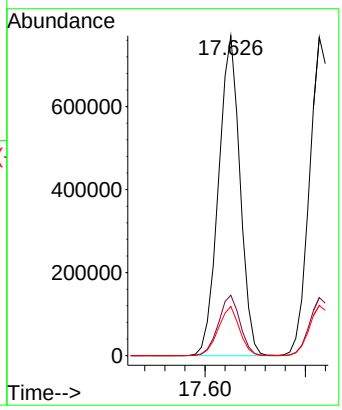
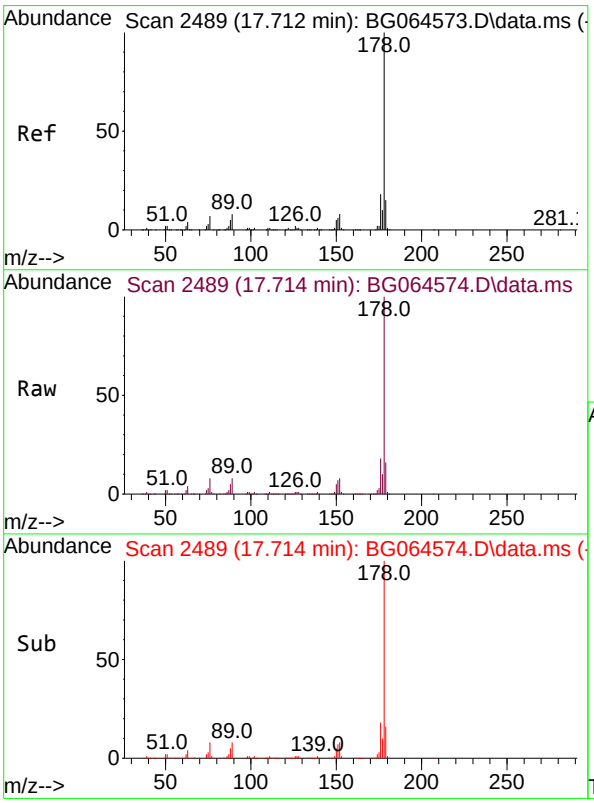
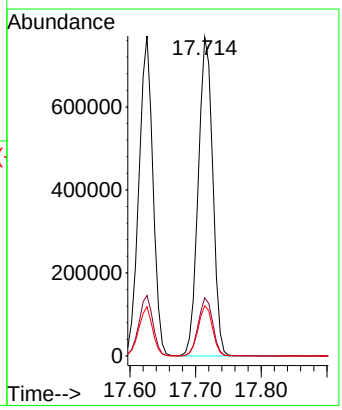


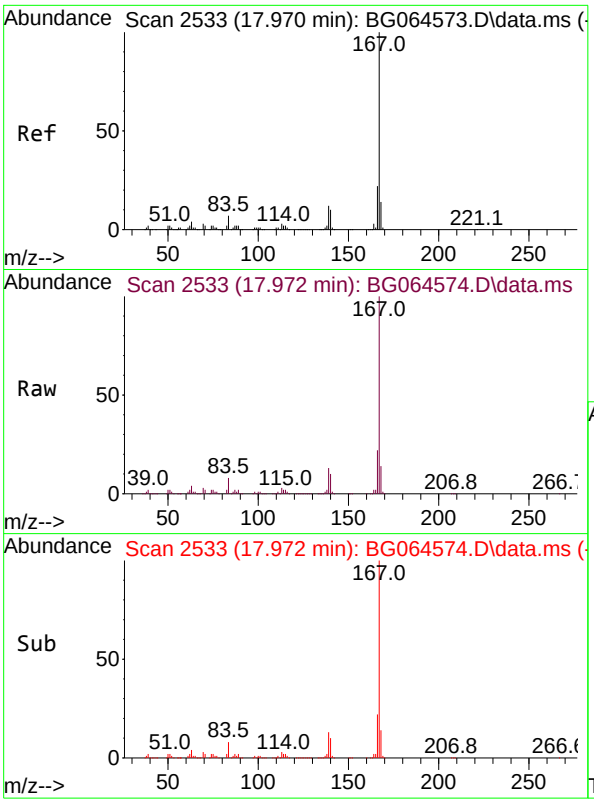


#72
Anthracene
Concen: 64.905 ng
RT: 17.714 min Scan# 2489
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:178 Resp: 1171223

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.4	21.6
179	15.8	12.4	18.6





#73
Carbazole
Concen: 62.887 ng
RT: 17.972 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:167 Resp: 100068

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	12.7	9.7	14.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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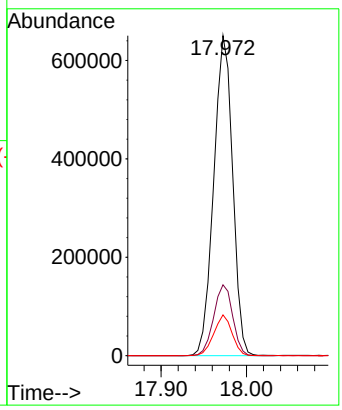
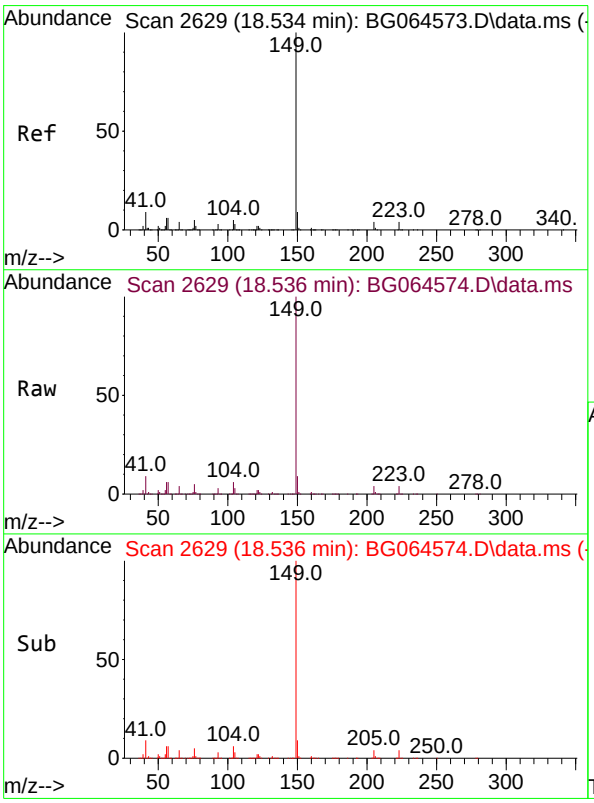
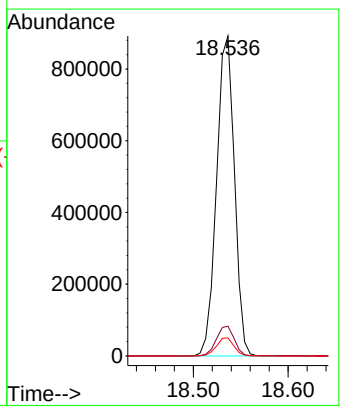


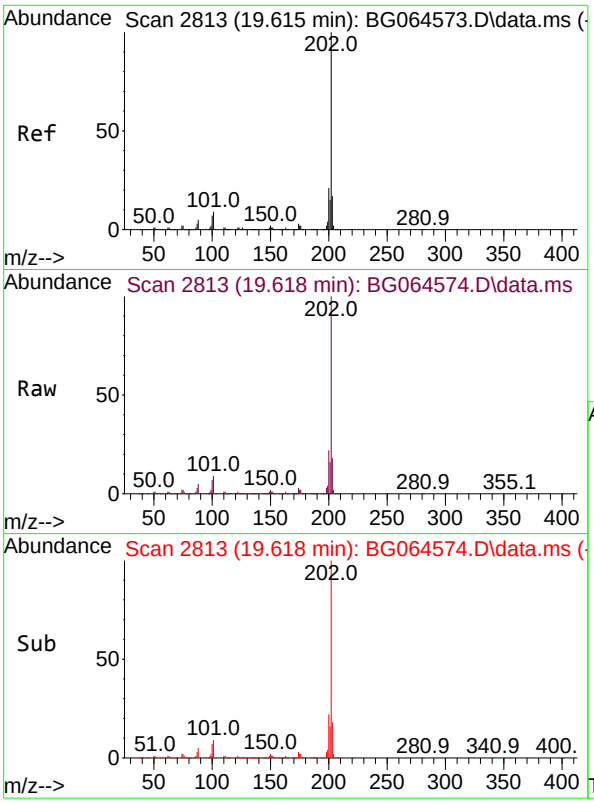


#74
Di-n-butylphthalate
Concen: 63.334 ng
RT: 18.536 min Scan# 2629
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 1165396

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.6
104	5.6	4.1	6.1





#75
Fluoranthene
Concen: 61.419 ng
RT: 19.618 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:202 Resp: 136489

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	28.7
203	17.8	0.0	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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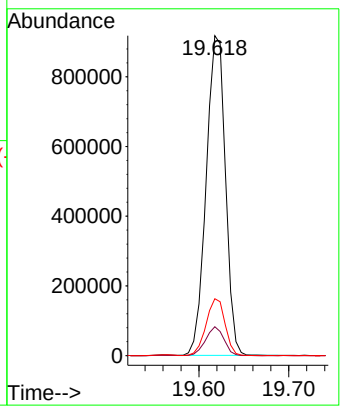
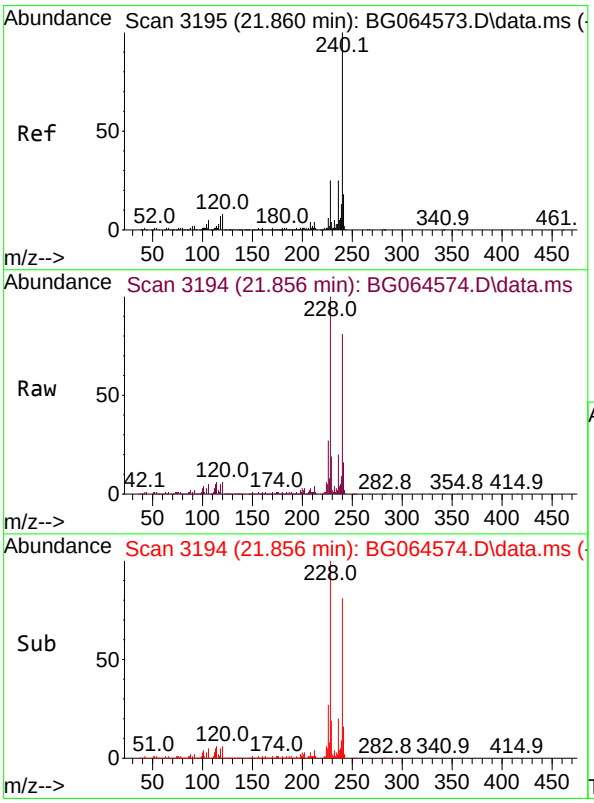
Supervised By :mohammad ahmed 11/05/2025

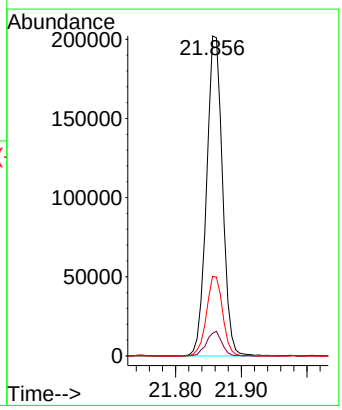


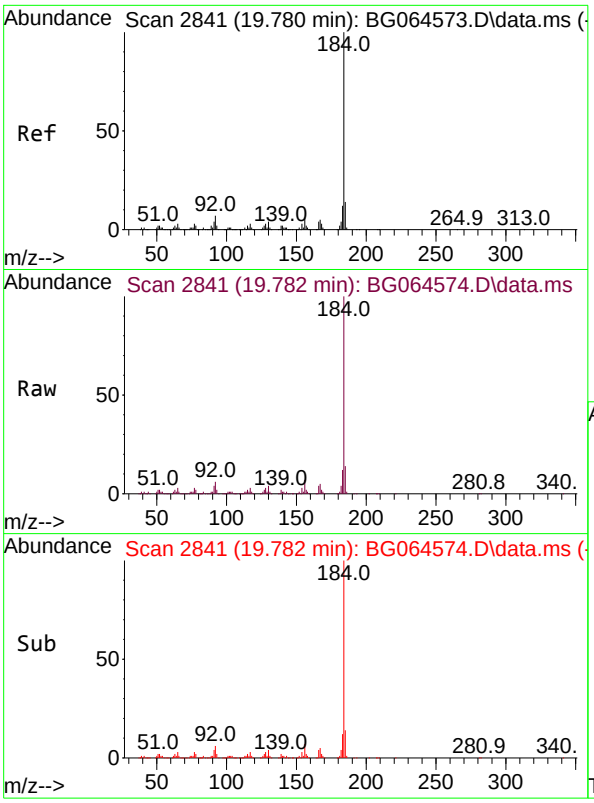


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3194
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:240 Resp: 340896

Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.5	9.7
236	24.9	20.2	30.2





#77
Benzidine
Concen: 71.348 ng
RT: 19.782 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

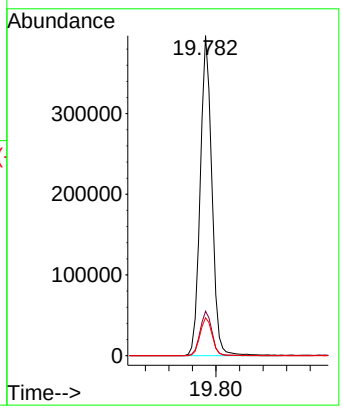
Tgt Ion:184 Resp: 544918

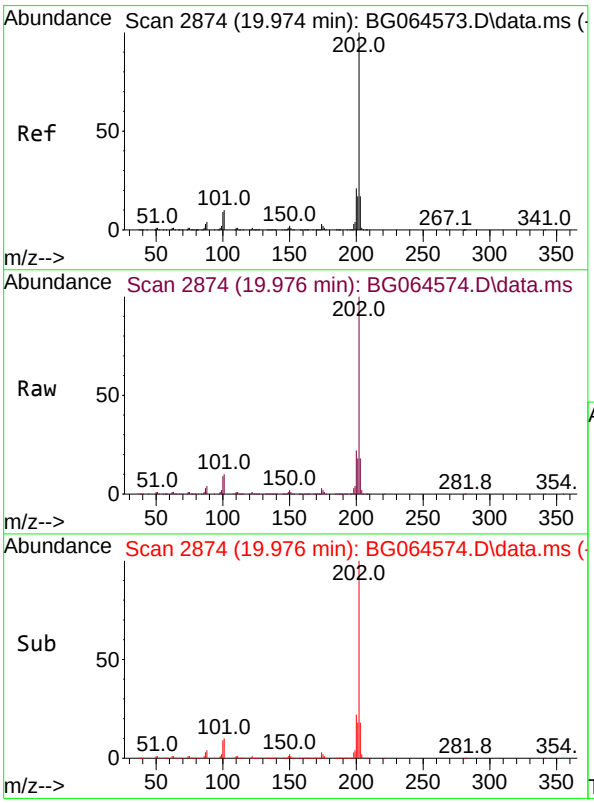
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.2
183	11.8	9.4	14.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

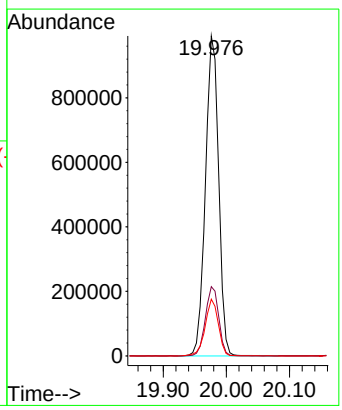


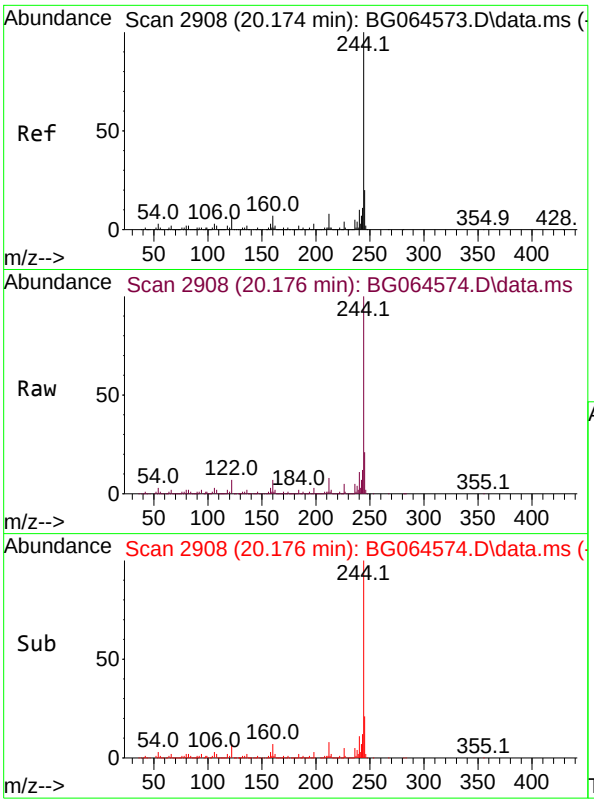


#78
Pyrene
Concen: 64.549 ng
RT: 19.976 min Scan# 2874
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:202 Resp: 1437669

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	17.7	13.8	20.6





#79
Terphenyl-d14
Concen: 124.763 ng
RT: 20.176 min Scan# 29
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

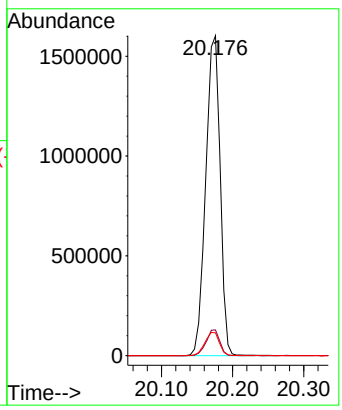
Tgt Ion:244 Resp: 225370

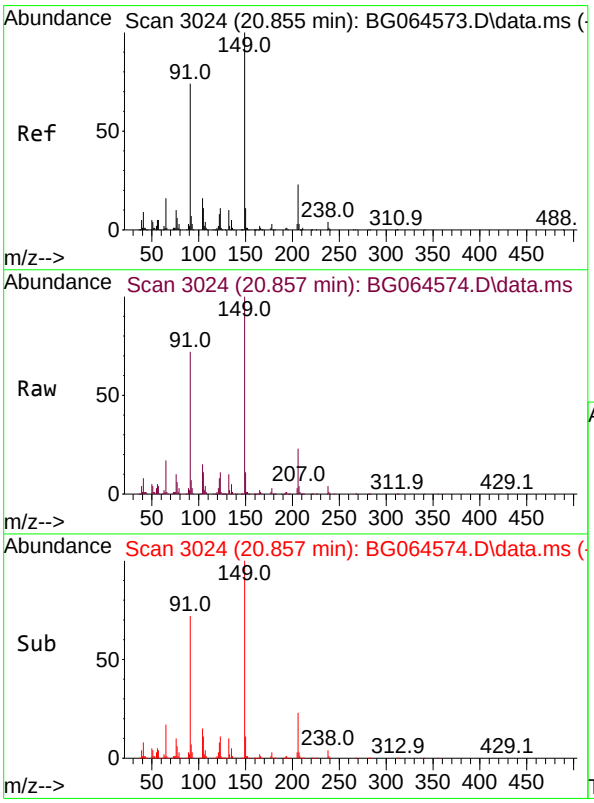
Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.1	9.1
122	7.1	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

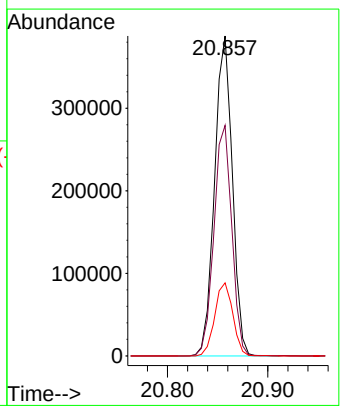


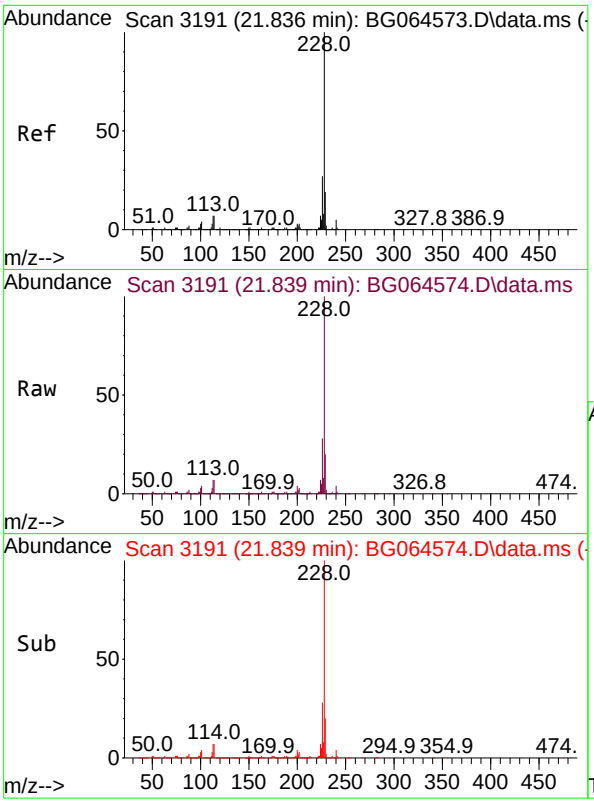


#80
Butylbenzylphthalate
Concen: 70.914 ng
RT: 20.857 min Scan# 3024
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 477358

Ion	Ratio	Lower	Upper
149	100		
91	72.0	59.2	88.8
206	22.8	18.1	27.1





#81
Benzo(a)anthracene
Concen: 64.702 ng
RT: 21.839 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

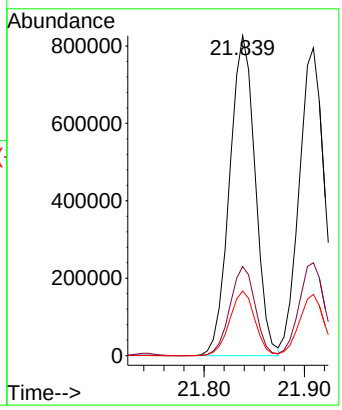
Tgt Ion:228 Resp: 1462488

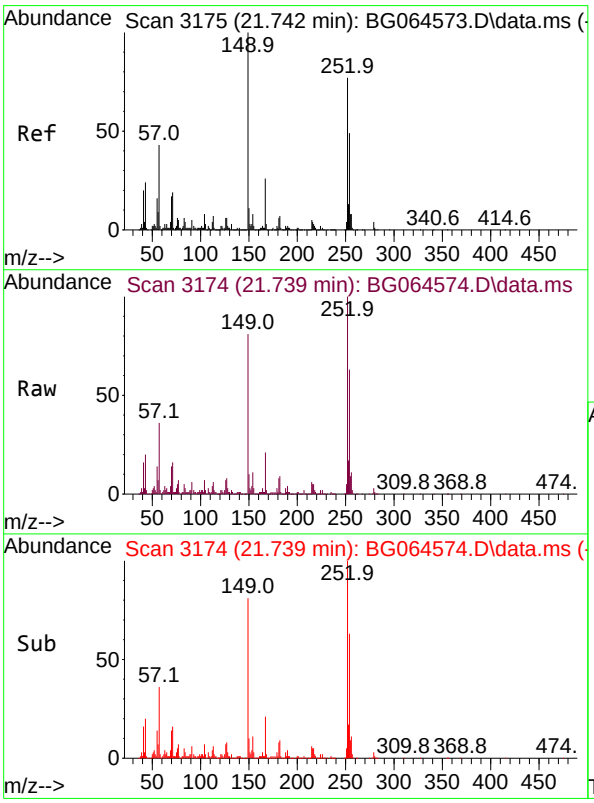
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.9	32.9
229	20.2	15.6	23.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

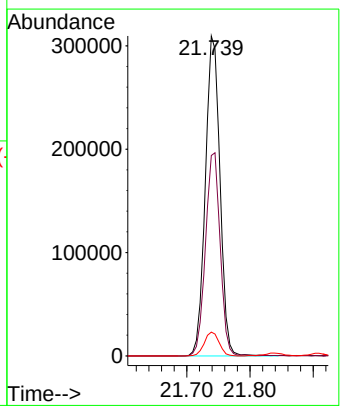


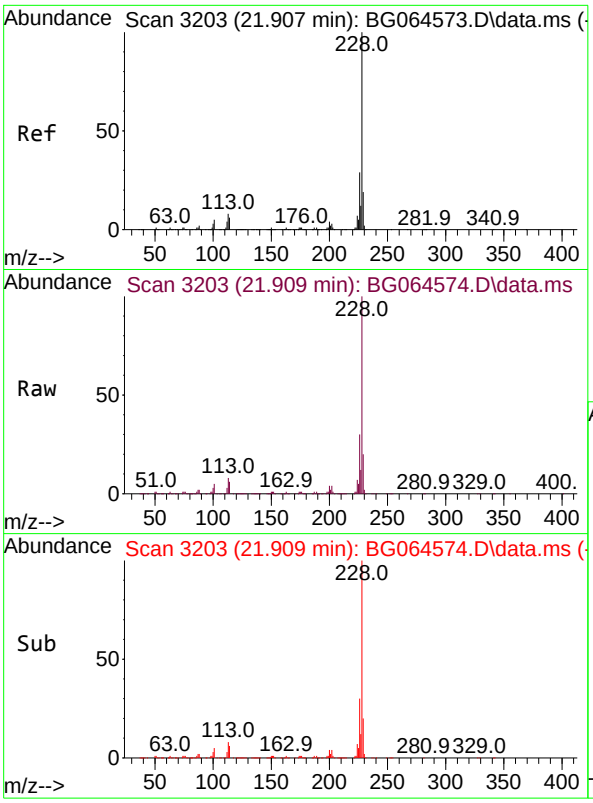


#82
3,3'-Dichlorobenzidine
Concen: 65.868 ng
RT: 21.739 min Scan# 3174
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 497174

Ion	Ratio	Lower	Upper
252	100		
254	62.6	50.8	76.2
126	7.4	5.8	8.6





#83
Chrysene
Concen: 64.621 ng
RT: 21.909 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

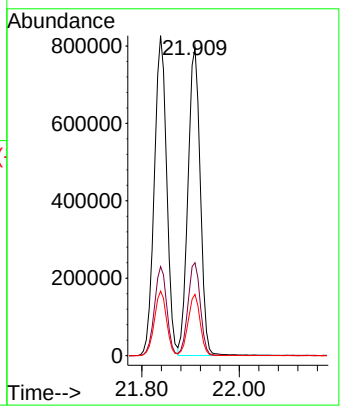
Tgt Ion:228 Resp: 138982

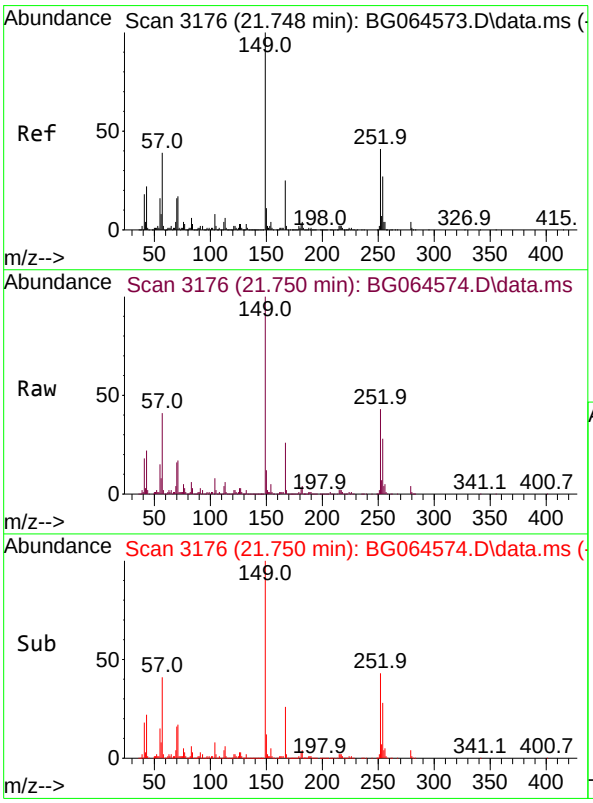
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.3	34.9
229	19.9	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

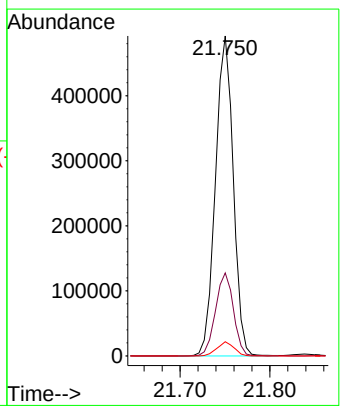


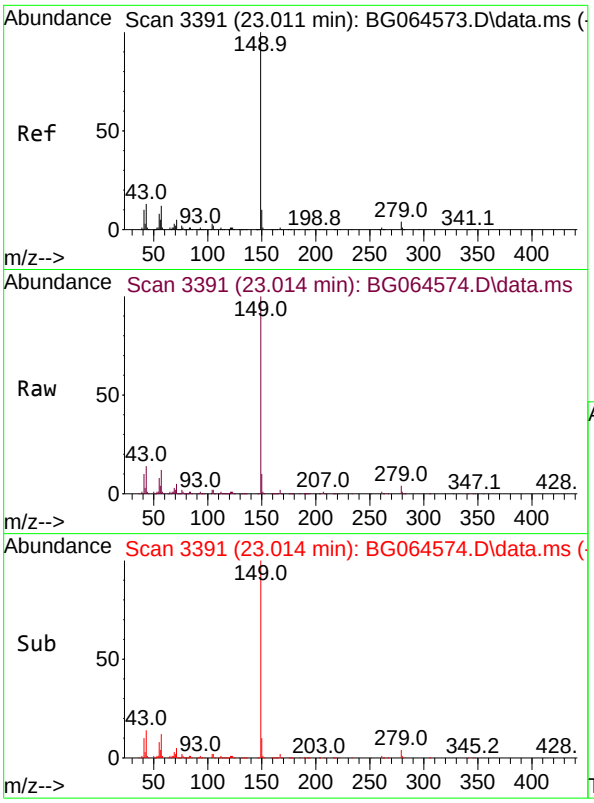


#84
Bis(2-ethylhexyl)phthalate
Concen: 67.768 ng
RT: 21.750 min Scan# 3176
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 681649

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.0	30.0
279	4.4	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 67.379 ng
RT: 23.014 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

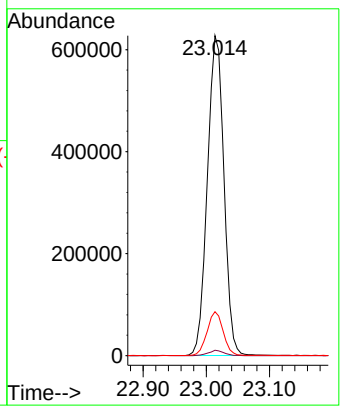
Tgt Ion:149 Resp: 114265

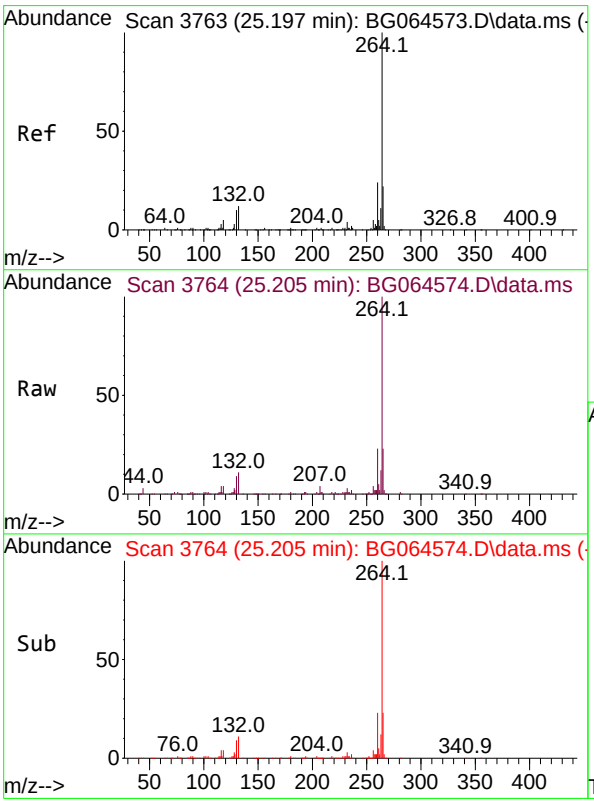
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.5	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

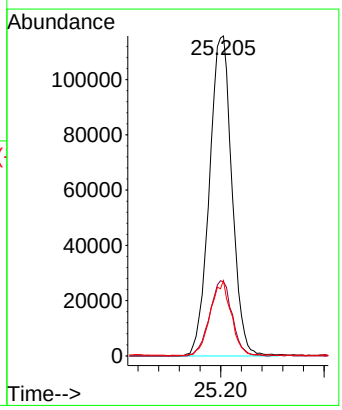


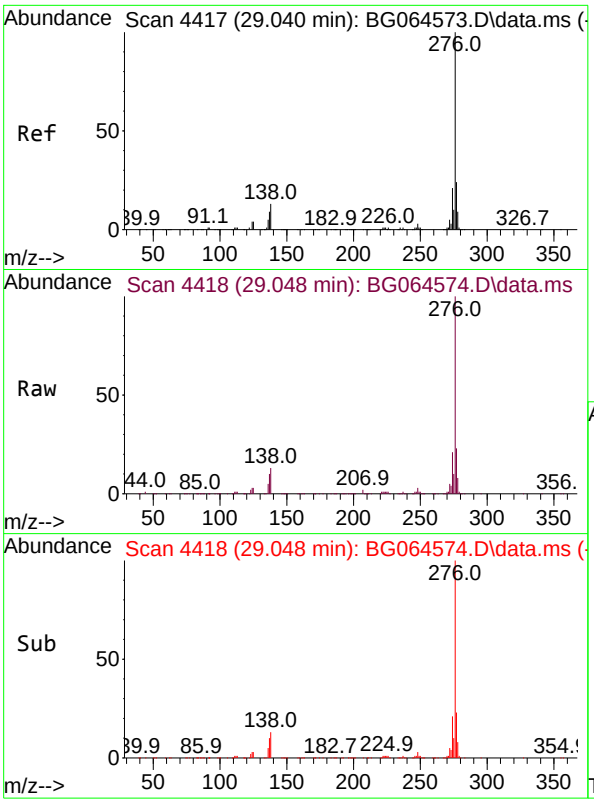


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.205 min Scan# 3764
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:264 Resp: 350916

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	23.5	17.6	26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 66.979 ng
RT: 29.048 min Scan# 44
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

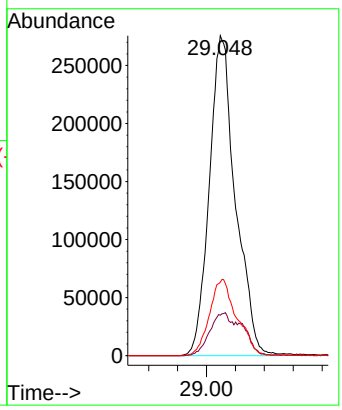
Tgt Ion:276 Resp: 172903

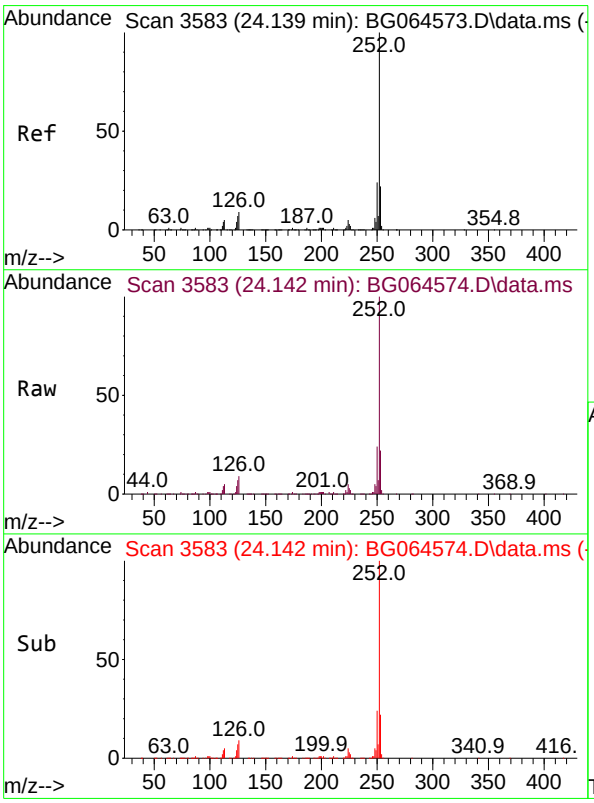
Ion	Ratio	Lower	Upper
276	100		
138	11.2	10.8	16.2
277	24.9	20.1	30.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

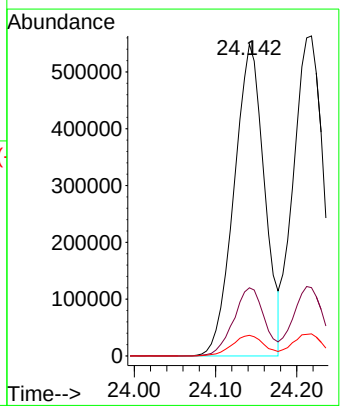


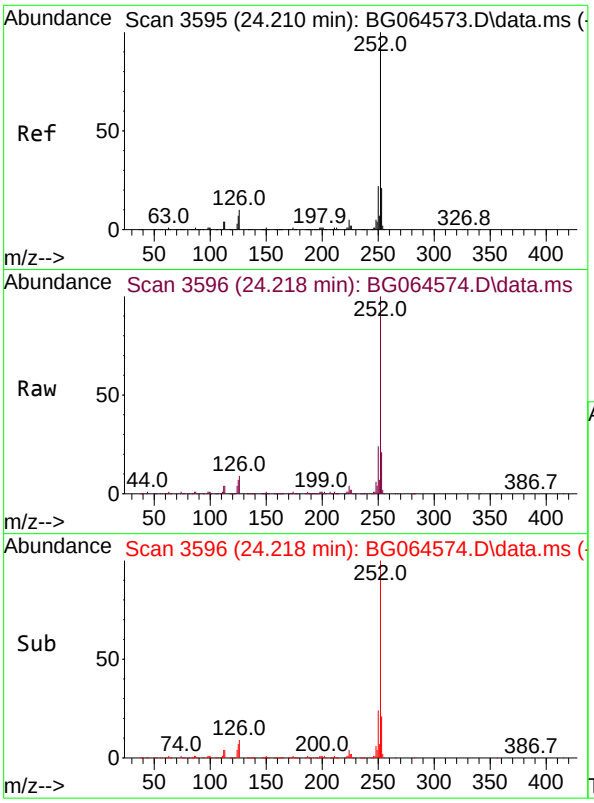


#88
Benzo(b)fluoranthene
Concen: 66.207 ng
RT: 24.142 min Scan# 3583
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 1424640

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	6.6	5.6	8.4





#89
Benzo(k)fluoranthene
Concen: 66.703 ng
RT: 24.218 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

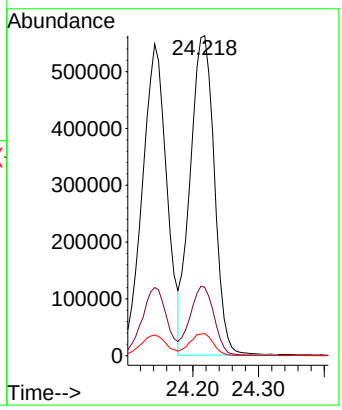
Tgt Ion:252 Resp: 143631

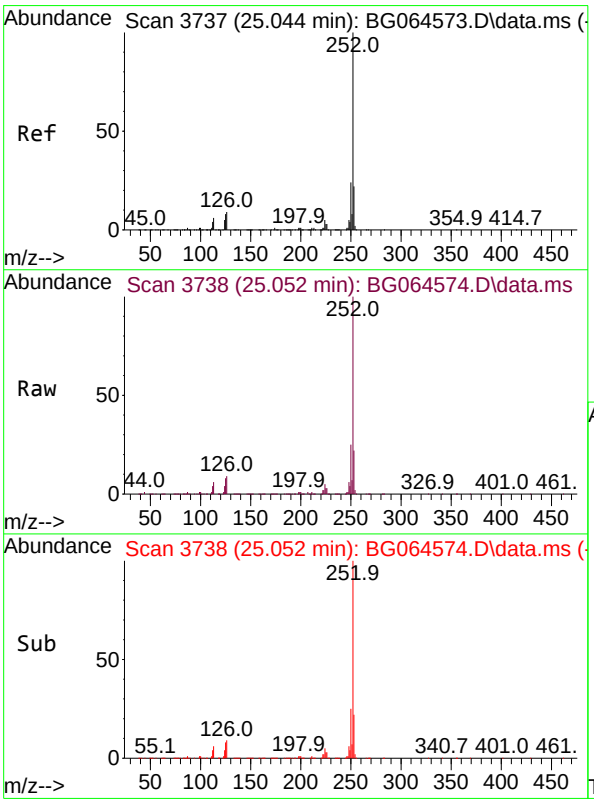
Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.8	25.2
125	6.9	5.4	8.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

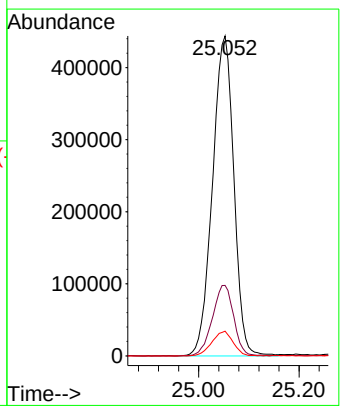


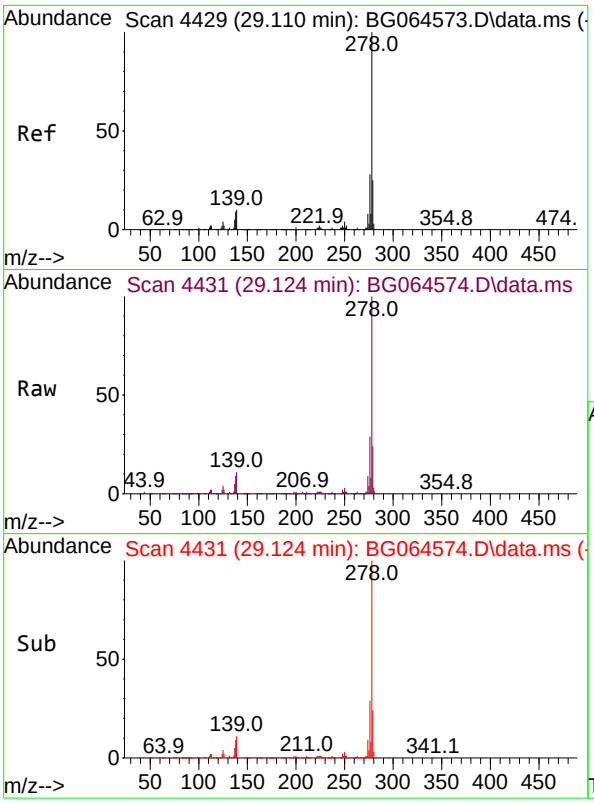


#90
Benzo(a)pyrene
Concen: 66.315 ng
RT: 25.052 min Scan# 3738
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 1311701

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	7.7	6.1	9.1





#91
Dibenzo(a,h)anthracene
Concen: 66.479 ng
RT: 29.124 min Scan# 44
Delta R.T. 0.014 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

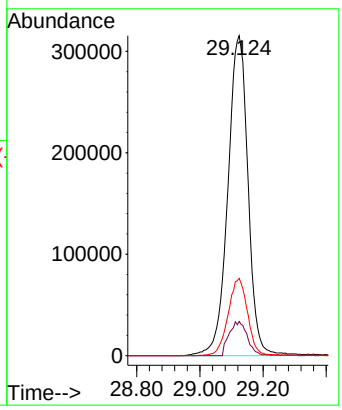
Tgt Ion:278 Resp: 139423

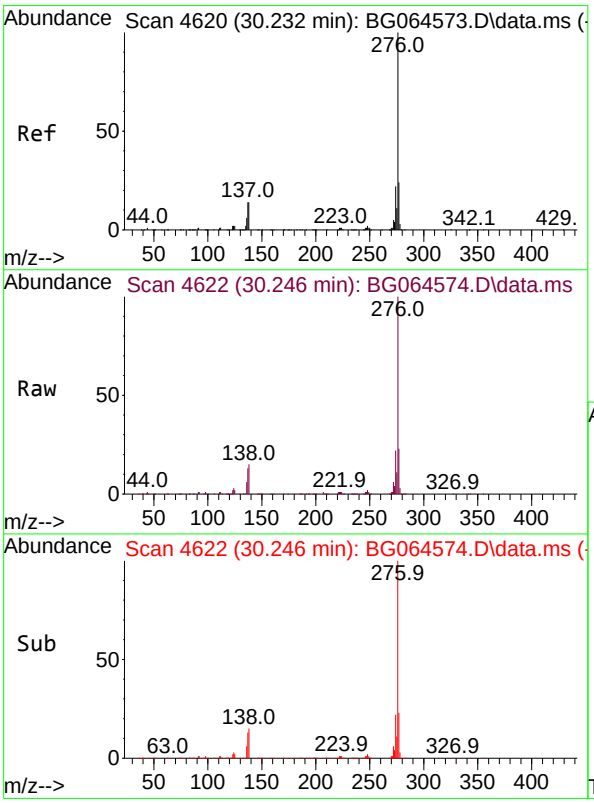
Ion	Ratio	Lower	Upper
278	100		
139	10.7	8.0	12.0
279	24.1	19.8	29.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

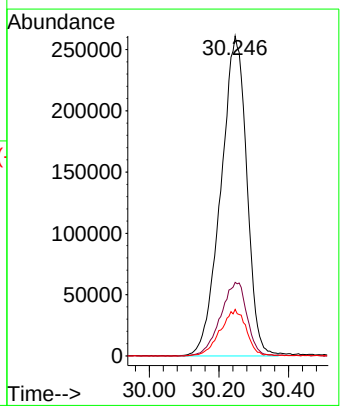




#92
Benzo(g,h,i)perylene
Concen: 67.253 ng
RT: 30.246 min Scan# 4622
Delta R.T. 0.014 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:276 Resp: 1347382

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.1	28.7
138	14.5	11.3	16.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 03 18:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.221	152	45466	20.000	ng		0.00
21) Naphthalene-d8	11.053	136	179569	20.000	ng		0.00
39) Acenaphthene-d10	14.842	164	133797	20.000	ng		0.00
64) Phenanthrene-d10	17.580	188	333421	20.000	ng		0.00
76) Chrysene-d12	21.863	240	363291	20.000	ng		0.00
86) Perylene-d12	25.201	264	382372	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.747	112	411587	151.948	ng		0.00
7) Phenol-d6	7.357	99	554287	149.124	ng		0.00
23) Nitrobenzene-d5	9.390	82	511341	171.034	ng		0.00
42) 2,4,6-Tribromophenol	16.323	330	328066	169.886	ng		0.00
45) 2-Fluorobiphenyl	13.479	172	1314892	148.960	ng		0.00
79) Terphenyl-d14	20.177	244	2697491	140.125	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.591	88	83655	69.757	ng		99
3) Pyridine	3.996	79	259519	72.062	ng		96
4) n-Nitrosodimethylamine	3.908	42	141185	73.105	ng		99
6) Aniline	7.533	93	364528	72.073	ng		99
8) 2-Chlorophenol	7.780	128	221112	77.988	ng		99
9) Benzaldehyde	7.339	77	120456	59.361	ng		94
10) Phenol	7.386	94	307886	74.900	ng		98
11) bis(2-Chloroethyl)ether	7.627	93	217960	72.119	ng		96
12) 1,3-Dichlorobenzene	8.109	146	236208	72.385	ng		98
13) 1,4-Dichlorobenzene	8.256	146	240570	72.502	ng		97
14) 1,2-Dichlorobenzene	8.579	146	233326	72.905	ng		98
15) Benzyl Alcohol	8.456	79	233374	76.140	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.743	45	573671	72.364	ng		99
17) 2-Methylphenol	8.649	107	203667	74.625	ng		97
18) Hexachloroethane	9.325	117	87876	75.469	ng		98
19) n-Nitroso-di-n-propyla...	9.031	70	192155	74.804	ng		99
20) 3+4-Methylphenols	8.984	107	285690	74.434	ng		98
22) Acetophenone	9.049	105	365265	74.412	ng	#	99
24) Nitrobenzene	9.431	77	273231	84.025	ng		97
25) Isophorone	9.966	82	539122	75.150	ng		100
26) 2-Nitrophenol	10.148	139	103090	79.938	ng		94
27) 2,4-Dimethylphenol	10.195	122	208054	77.967	ng		97
28) bis(2-Chloroethoxy)met...	10.436	93	299758	73.388	ng		99
29) 2,4-Dichlorophenol	10.682	162	231256	80.526	ng		97
30) 1,2,4-Trichlorobenzene	10.906	180	250883	76.888	ng		97
31) Naphthalene	11.100	128	744985	74.828	ng		99
32) Benzoic acid	10.342	122	169962m	77.917	ng		
33) 4-Chloroaniline	11.188	127	290611	75.100	ng		98
34) Hexachlorobutadiene	11.393	225	196140	76.863	ng		99
35) Caprolactam	11.975	113	83266	75.596	ng		93
36) 4-Chloro-3-methylphenol	12.298	107	265909	77.031	ng		99
37) 2-Methylnaphthalene	12.692	142	542132	74.168	ng		99
38) 1-Methylnaphthalene	12.909	142	527717	72.945	ng		98
40) 1,2,4,5-Tetrachloroben...	13.056	216	351719	78.328	ng		99
41) Hexachlorocyclopentadiene	13.038	237	163461	80.876	ng		99
43) 2,4,6-Trichlorophenol	13.279	196	218318	84.998	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 03 18:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.350	196	243241	82.064 ng		99
46) 1,1'-Biphenyl	13.685	154	713186	74.977 ng		100
47) 2-Chloronaphthalene	13.732	162	547242	76.218 ng		99
48) 2-Nitroaniline	13.914	65	196580	79.301 ng		95
49) Acenaphthylene	14.566	152	858511	75.806 ng		99
50) Dimethylphthalate	14.290	163	782708	76.450 ng		98
51) 2,6-Dinitrotoluene	14.402	165	135769	78.216 ng		98
52) Acenaphthene	14.913	154	589213	76.150 ng		99
53) 3-Nitroaniline	14.731	138	159072	90.409 ng		96
54) 2,4-Dinitrophenol	14.930	184	82655	79.755 ng	#	65
55) Dibenzofuran	15.242	168	923386	73.816 ng		99
56) 4-Nitrophenol	15.018	139	142966	87.640 ng		98
57) 2,4-Dinitrotoluene	15.189	165	212164	79.117 ng		96
58) Fluorene	15.888	166	711212	72.801 ng		98
59) 2,3,4,6-Tetrachlorophenol	15.459	232	240094	84.708 ng		99
60) Diethylphthalate	15.653	149	803621	76.874 ng		100
61) 4-Chlorophenyl-phenyle...	15.876	204	408239	74.463 ng		99
62) 4-Nitroaniline	15.894	138	173159	88.462 ng		96
63) Azobenzene	16.170	77	723988	75.482 ng		99
65) 4,6-Dinitro-2-methylph...	15.947	198	124101	80.450 ng		95
66) n-Nitrosodiphenylamine	16.088	169	666665	74.020 ng		98
67) 4-Bromophenyl-phenylether	16.769	248	299348	75.762 ng		99
68) Hexachlorobenzene	16.893	284	341338	75.724 ng		96
69) Atrazine	17.028	200	281950	72.745 ng		97
70) Pentachlorophenol	17.228	266	235472	83.771 ng		93
71) Phenanthrene	17.627	178	1340610	73.525 ng		99
72) Anthracene	17.715	178	1367044	73.704 ng		99
73) Carbazole	17.974	167	1195960	73.122 ng		99
74) Di-n-butylphthalate	18.538	149	1433446	75.790 ng		100
75) Fluoranthene	19.619	202	1663673	72.835 ng		98
77) Benzidine	19.783	184	556525	68.376 ng		98
78) Pyrene	19.977	202	1737788	73.215 ng		99
80) Butylbenzylphthalate	20.859	149	595333	82.988 ng		98
81) Benzo(a)anthracene	21.840	228	1805628	74.959 ng		99
82) 3,3'-Dichlorobenzidine	21.740	252	615546	76.524 ng		99
83) Chrysene	21.910	228	1704533	74.368 ng		97
84) Bis(2-ethylhexyl)phtha...	21.752	149	854027	79.672 ng		98
85) Di-n-octyl phthalate	23.015	149	1432956	79.289 ng		100
87) Indeno(1,2,3-cd)pyrene	29.061	276	2156428	76.663 ng		98
88) Benzo(b)fluoranthene	24.143	252	1810094	77.199 ng		99
89) Benzo(k)fluoranthene	24.219	252	1757758	74.916 ng		98
90) Benzo(a)pyrene	25.060	252	1649779	76.546 ng		99
91) Dibenzo(a,h)anthracene	29.137	278	1747890	76.486 ng		98
92) Benzo(g,h,i)perylene	30.265	276	1669976	76.498 ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

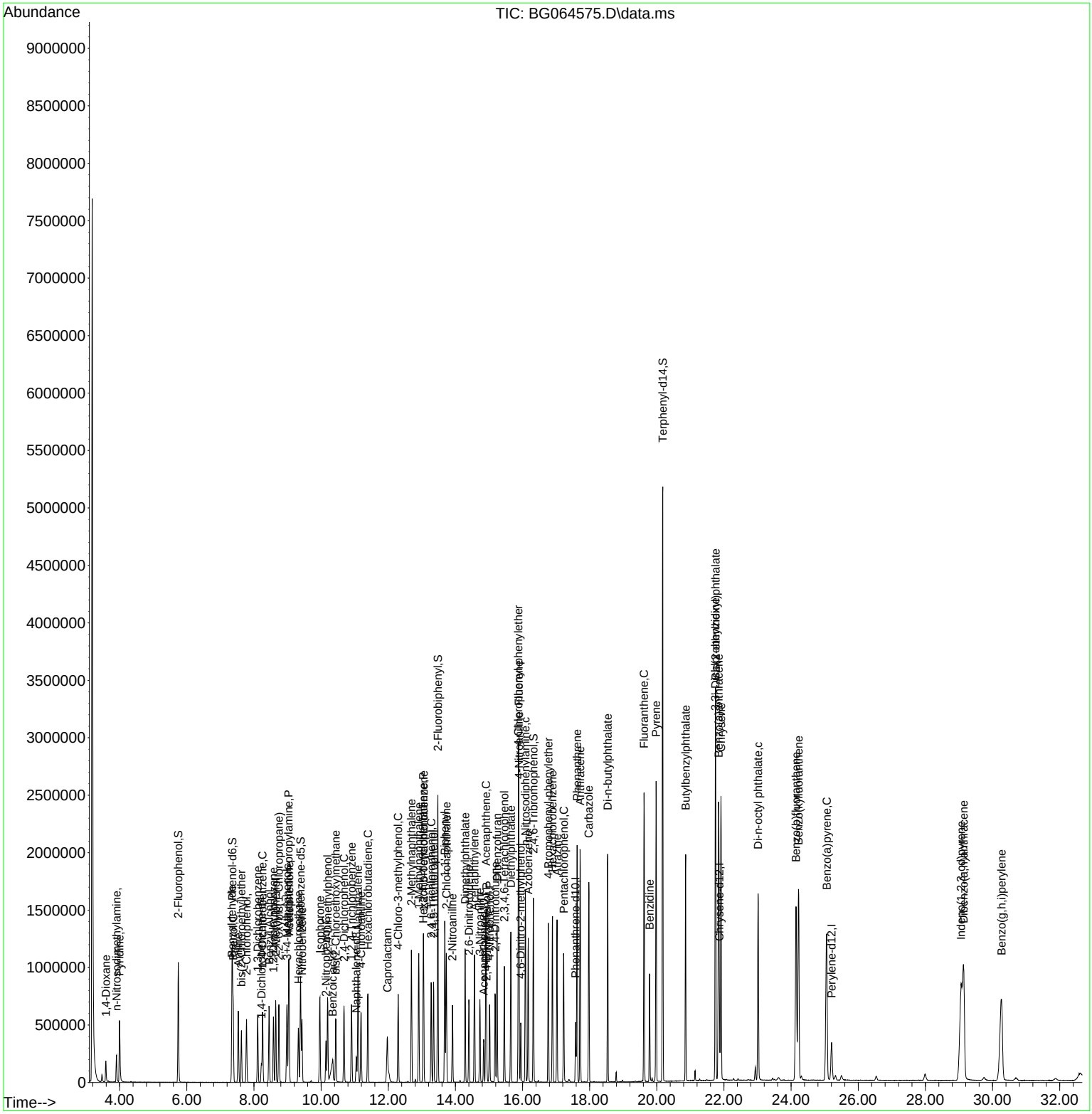
ICAL Form

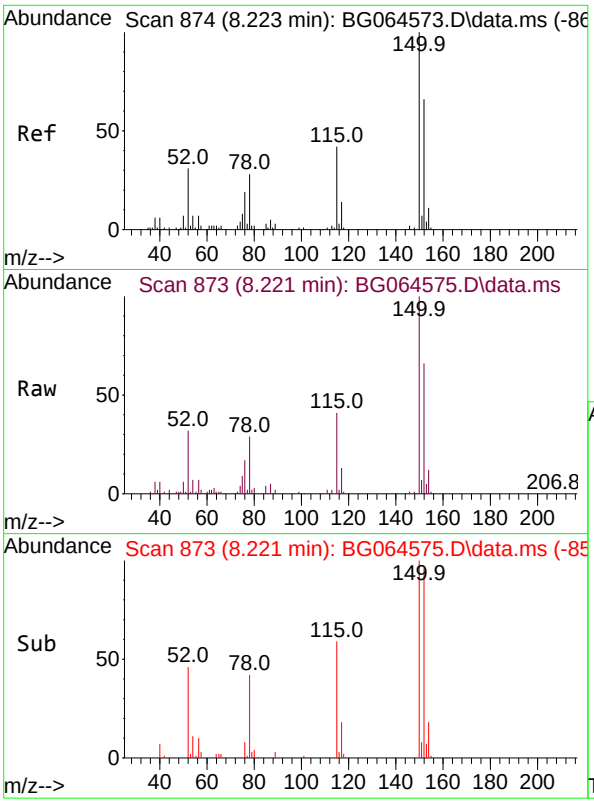
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 03 18:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

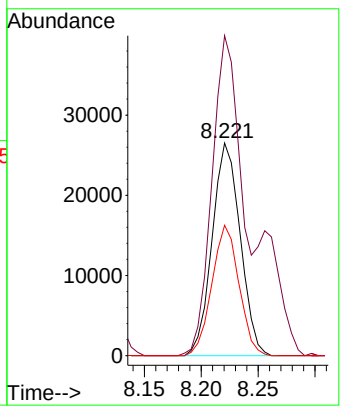
Tgt Ion:152 Resp: 4546

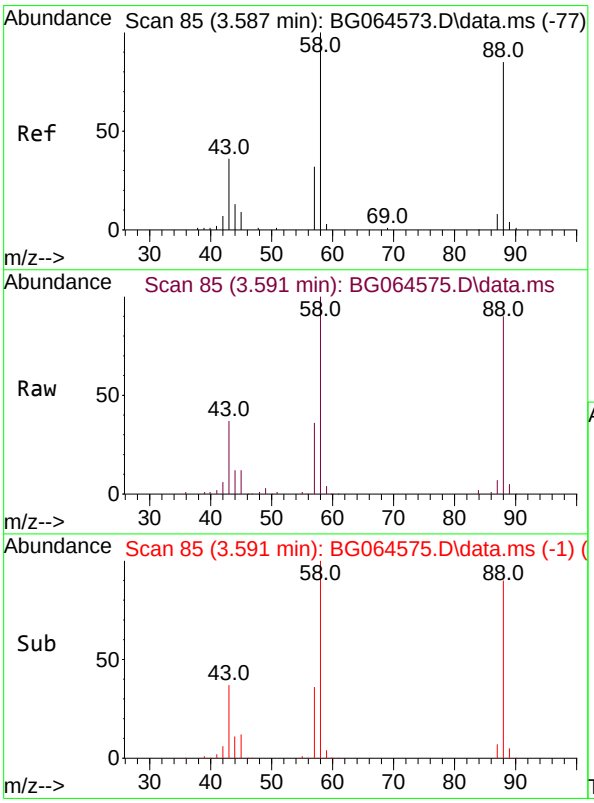
Ion	Ratio	Lower	Upper
152	100		
150	150.5	122.2	183.4
115	61.3	50.8	76.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

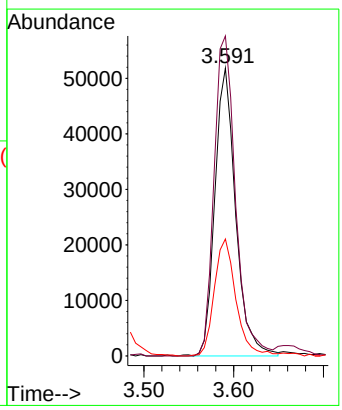


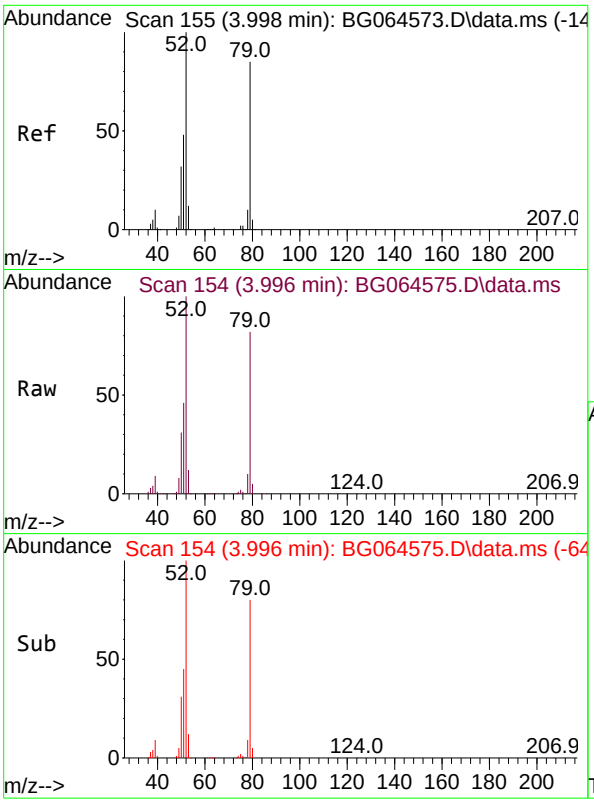


#2
1,4-Dioxane
Concen: 69.757 ng
RT: 3.591 min Scan# 85
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 88 Resp: 83655

Ion	Ratio	Lower	Upper
88	100		
58	114.3	92.4	138.6
43	42.2	33.0	49.6





#3
Pyridine
Concen: 72.062 ng
RT: 3.996 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

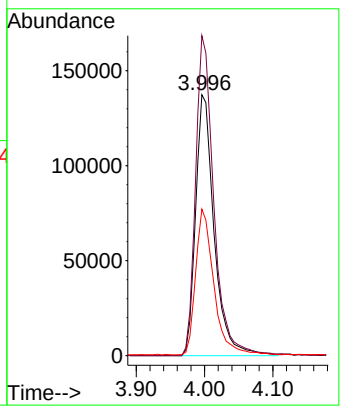
Tgt Ion: 79 Resp: 259519

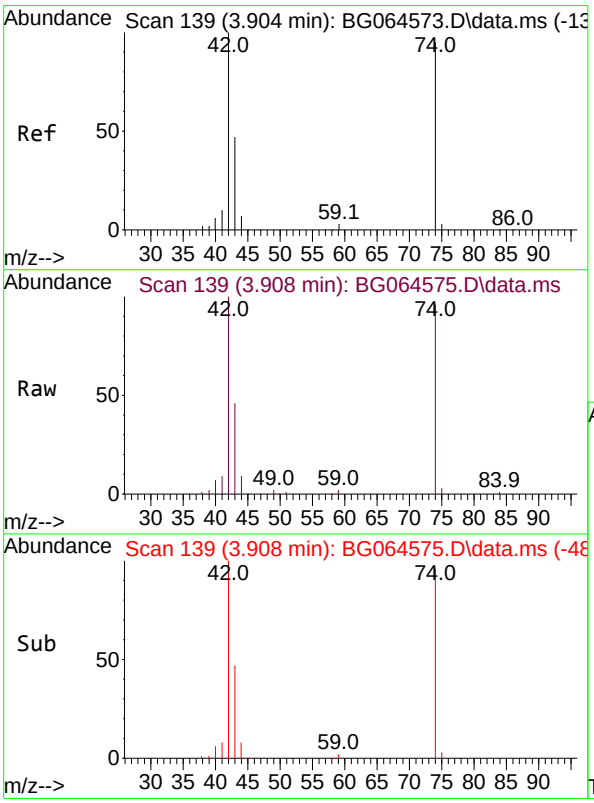
Ion	Ratio	Lower	Upper
79	100		
52	122.7	94.2	141.2
51	56.2	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

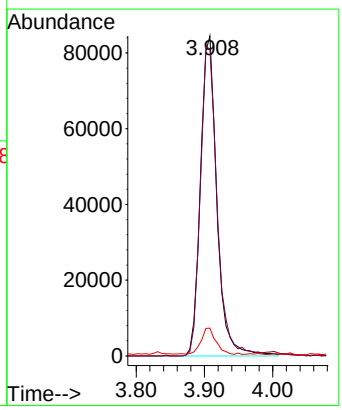


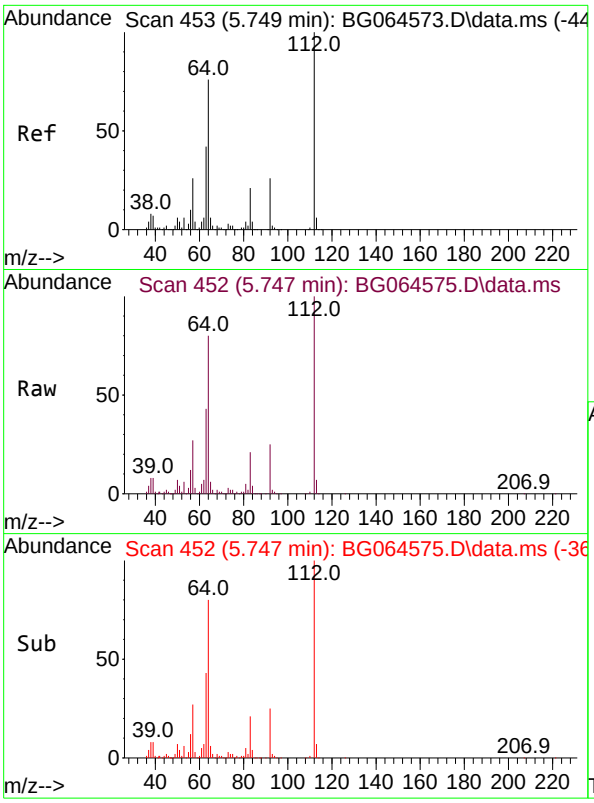


#4
n-Nitrosodimethylamine
Concen: 73.105 ng
RT: 3.908 min Scan# 139
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 42 Resp: 141185

Ion	Ratio	Lower	Upper
42	100		
74	96.0	76.1	114.1
44	8.7	6.3	9.5





#5
2-Fluorophenol
Concen: 151.948 ng
RT: 5.747 min Scan# 4
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

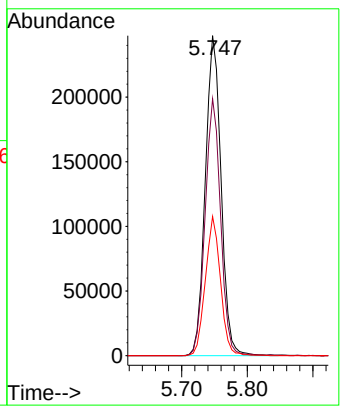
Tgt Ion:112 Resp: 41158

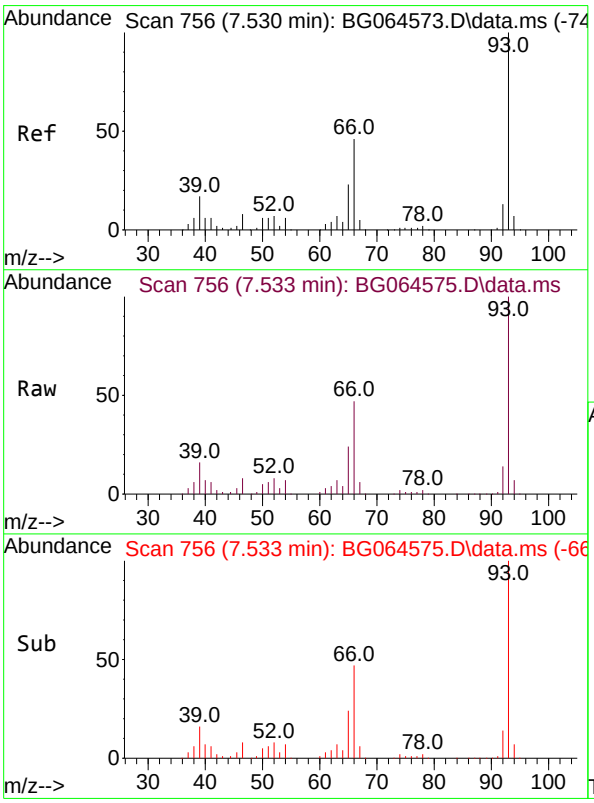
Ion	Ratio	Lower	Upper
112	100		
64	80.3	60.7	91.1
63	43.5	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

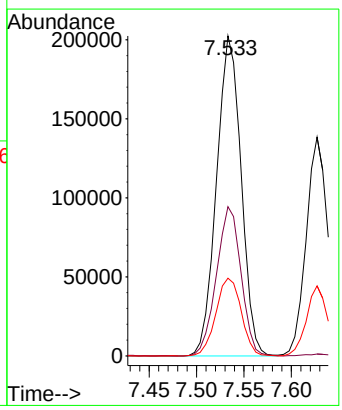


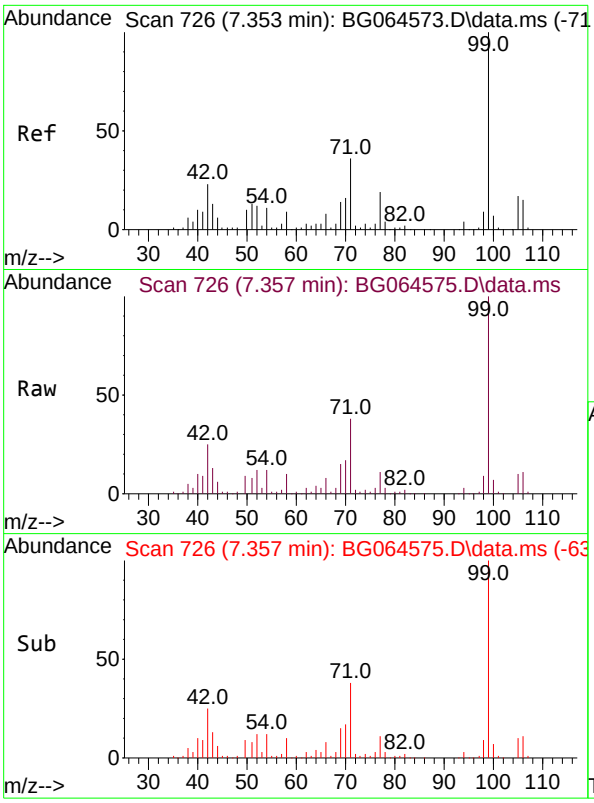


#6
Aniline
Concen: 72.073 ng
RT: 7.533 min Scan# 756
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 364528

Ion	Ratio	Lower	Upper
93	100		
66	46.6	37.0	55.6
65	24.3	18.3	27.5





#7
Phenol-d6
Concen: 149.124 ng
RT: 7.357 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

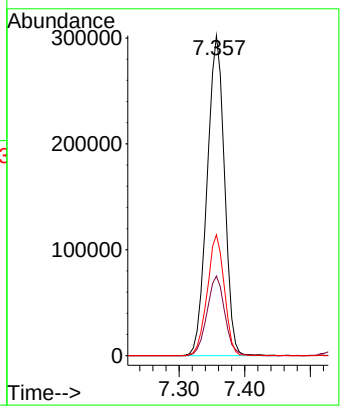
Tgt Ion: 99 Resp: 55428

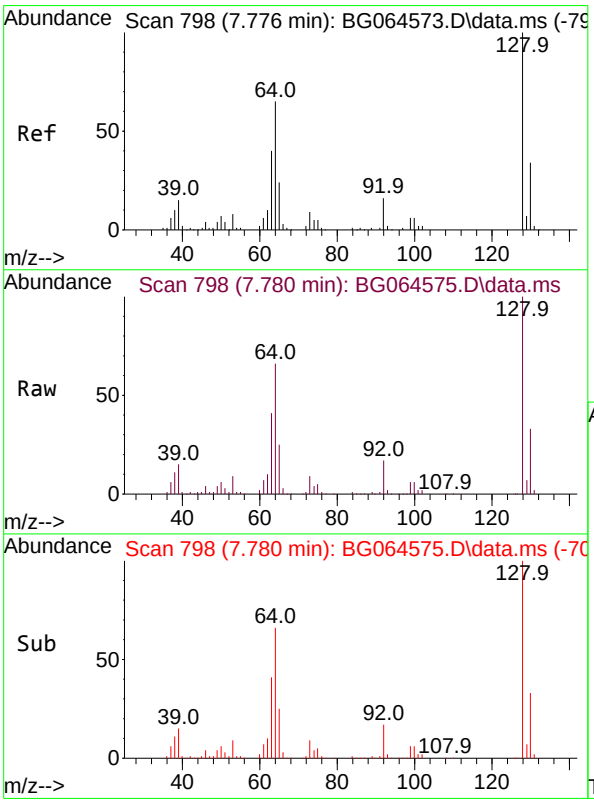
Ion	Ratio	Lower	Upper
99	100		
42	24.9	18.3	27.5
71	37.8	28.6	43.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

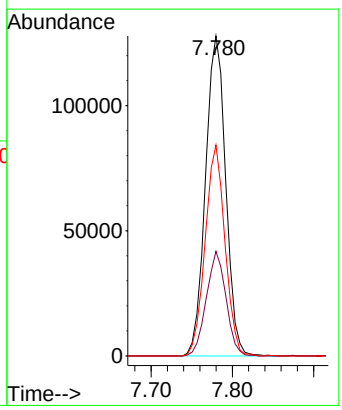


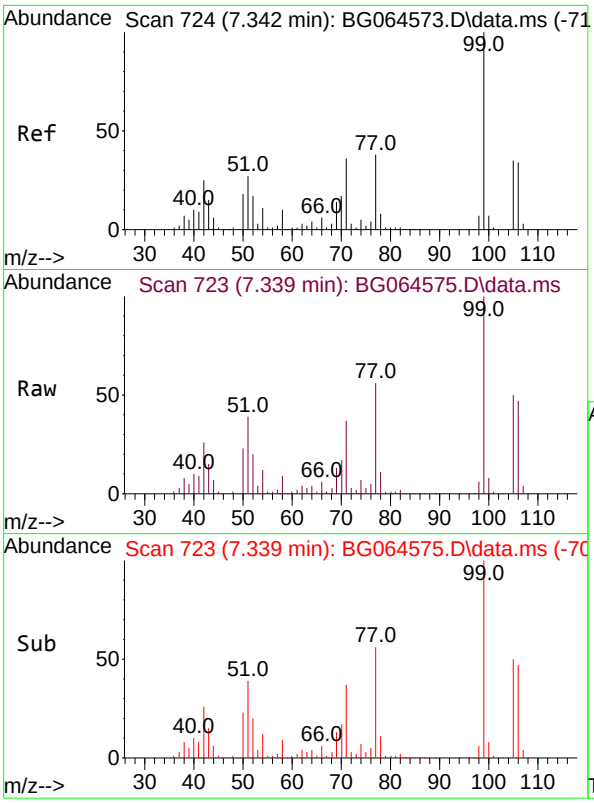


#8
2-Chlorophenol
Concen: 77.988 ng
RT: 7.780 min Scan# 798
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:128 Resp: 221112

Ion	Ratio	Lower	Upper
128	100		
130	32.7	13.5	53.5
64	65.9	45.2	85.2





#9
Benzaldehyde
Concen: 59.361 ng
RT: 7.339 min Scan# 7
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

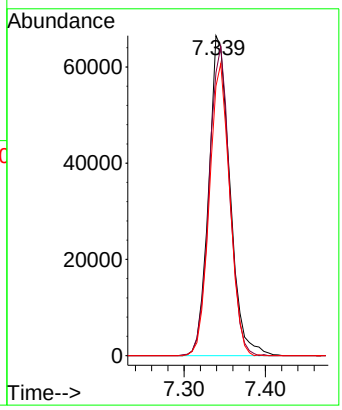
Tgt Ion: 77 Resp: 12045

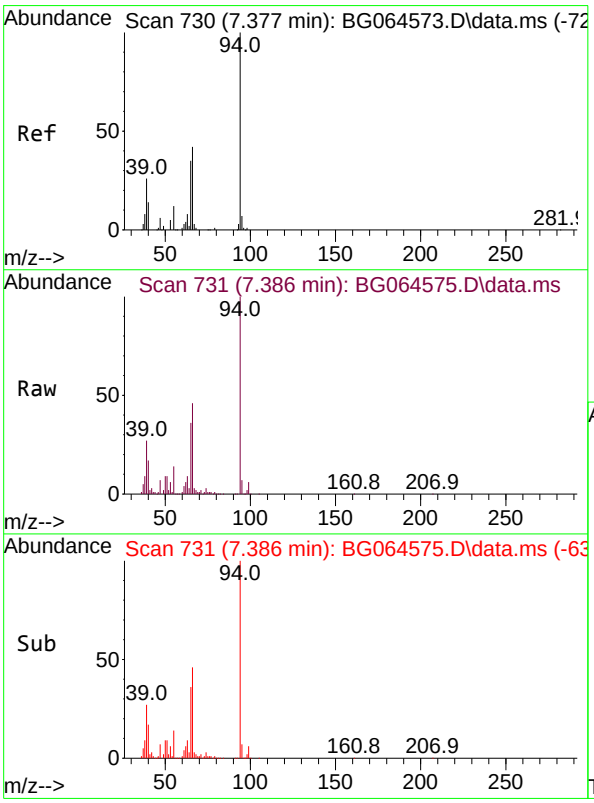
Ion	Ratio	Lower	Upper
77	100		
105	88.4	72.9	112.9
106	84.2	70.8	110.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

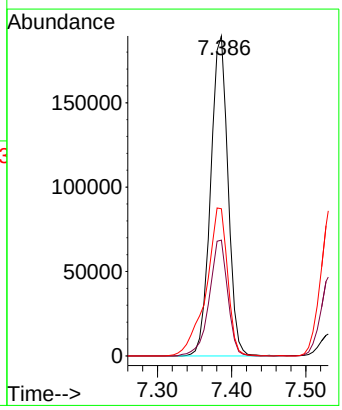


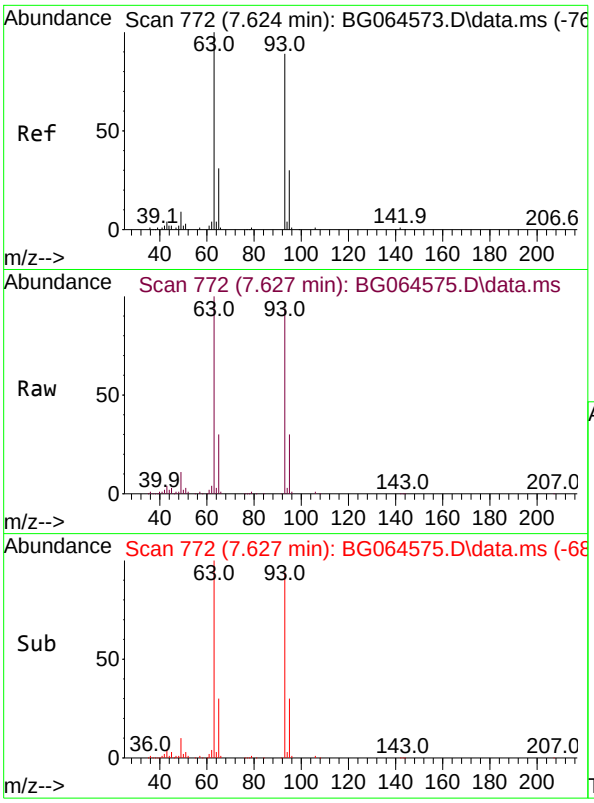


#10
Phenol
Concen: 74.900 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 94 Resp: 307886

Ion	Ratio	Lower	Upper
94	100		
65	36.2	15.8	55.8
66	46.0	24.0	64.0





#11
bis(2-Chloroethyl)ether
Concen: 72.119 ng
RT: 7.627 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

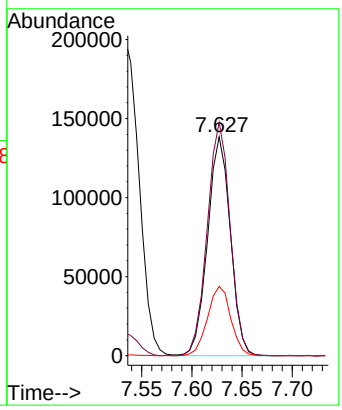
Tgt Ion: 93 Resp: 217960

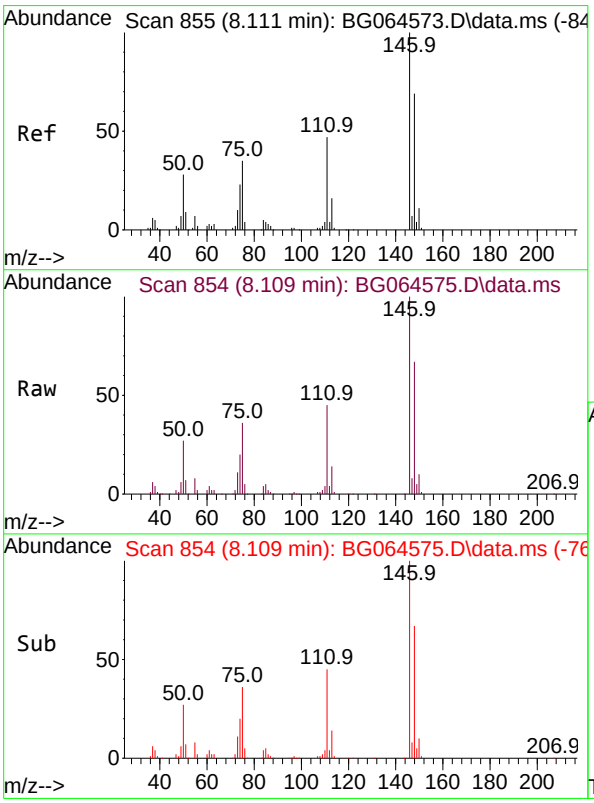
Ion	Ratio	Lower	Upper
93	100		
63	106.7	91.3	131.3
95	31.7	13.3	53.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

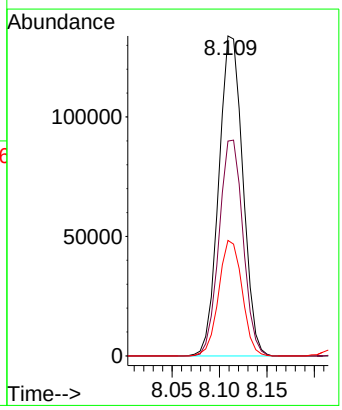


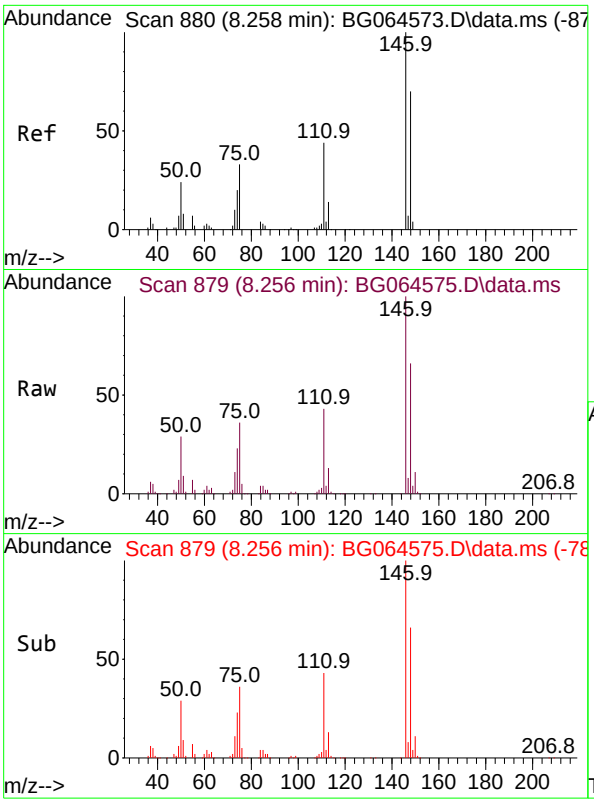


#12
1,3-Dichlorobenzene
Concen: 72.385 ng
RT: 8.109 min Scan# 854
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 236208

Ion	Ratio	Lower	Upper
146	100		
148	67.1	55.3	82.9
75	36.1	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 72.502 ng
RT: 8.256 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

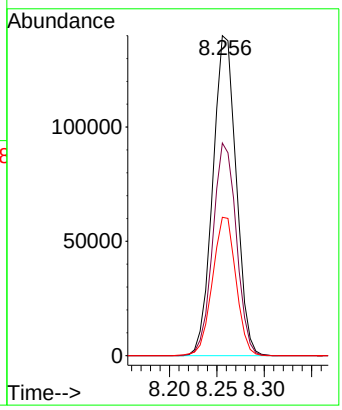
Tgt Ion:146 Resp: 240570

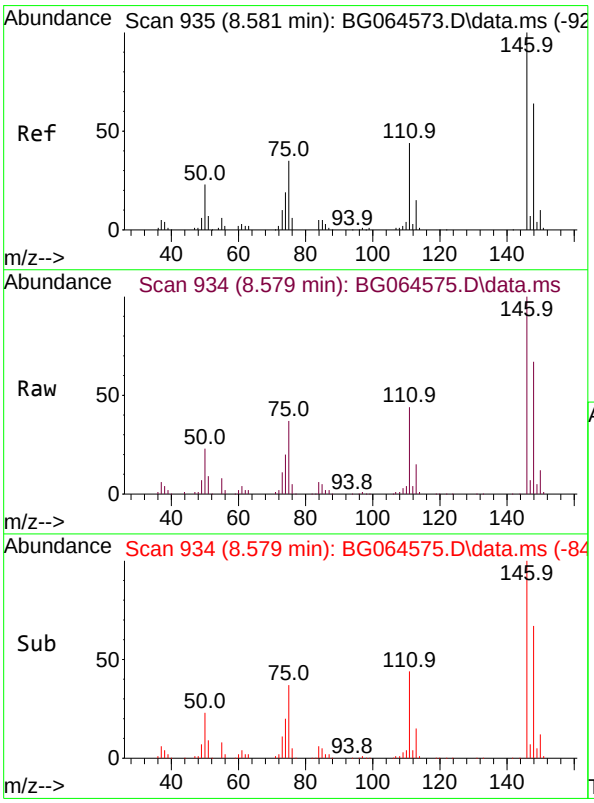
Ion	Ratio	Lower	Upper
146	100		
148	66.4	56.2	84.4
111	43.2	35.4	53.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

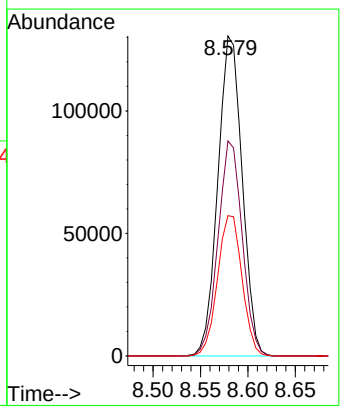


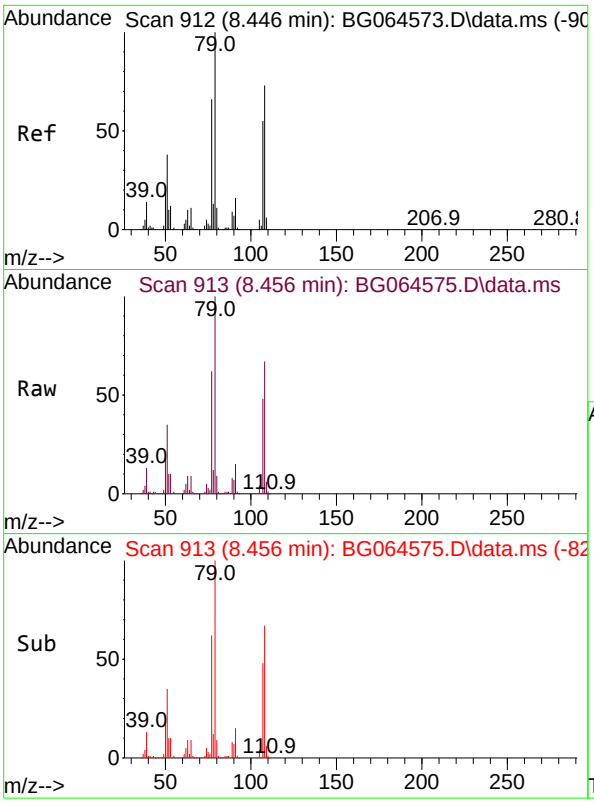


#14
1,2-Dichlorobenzene
Concen: 72.905 ng
RT: 8.579 min Scan# 934
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 233326

Ion	Ratio	Lower	Upper
146	100		
148	67.2	51.5	77.3
111	43.8	35.0	52.6





#15
Benzyl Alcohol
Concen: 76.140 ng
RT: 8.456 min Scan# 91
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 79 Resp: 233374

Ion	Ratio	Lower	Upper
79	100		
108	67.5	58.1	87.1
77	62.4	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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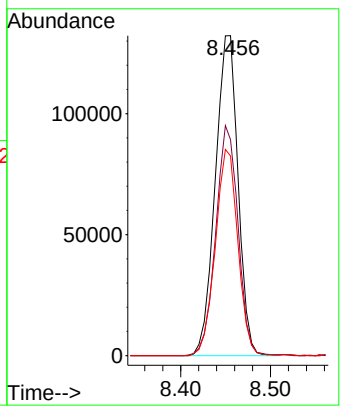
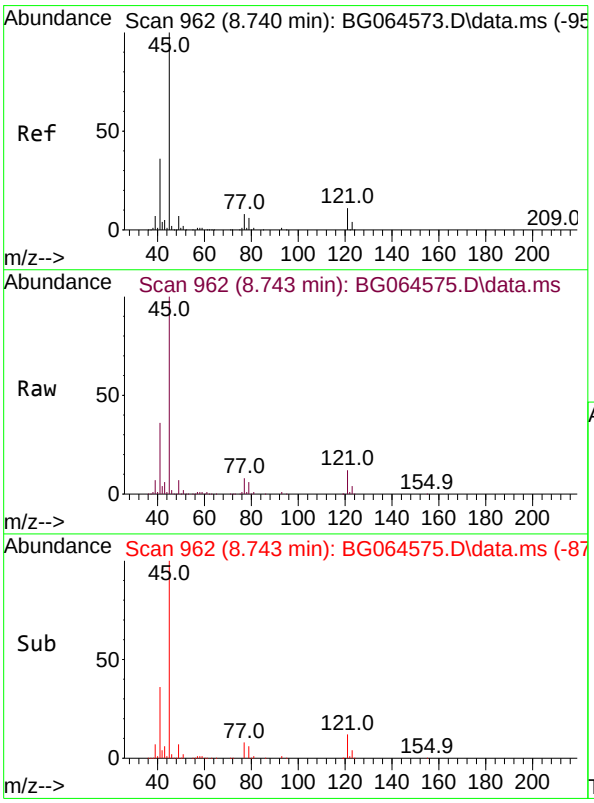
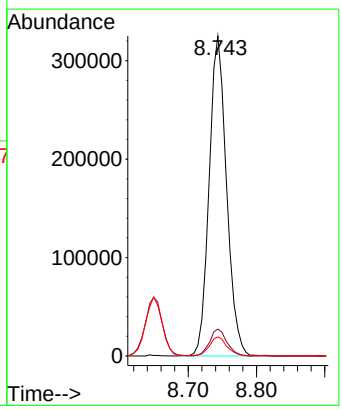


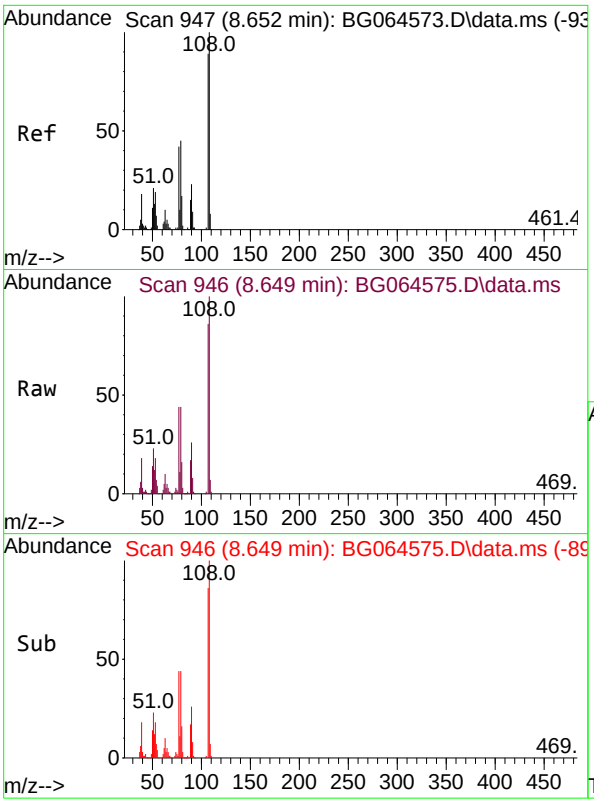


#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.364 ng
RT: 8.743 min Scan# 962
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 45 Resp: 573671

Ion	Ratio	Lower	Upper
45	100		
77	8.4	0.0	28.5
79	5.9	0.0	25.6

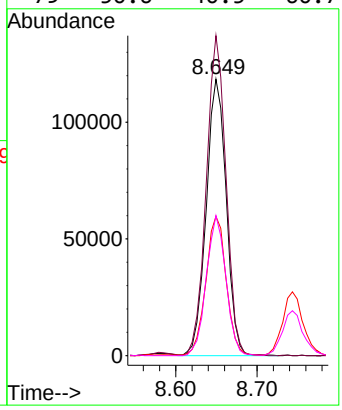




#17
2-Methylphenol
Concen: 74.625 ng
RT: 8.649 min Scan# 94
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 20366

Ion	Ratio	Lower	Upper
107	100		
108	115.8	90.0	135.0
77	50.4	37.8	56.8
79	50.6	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
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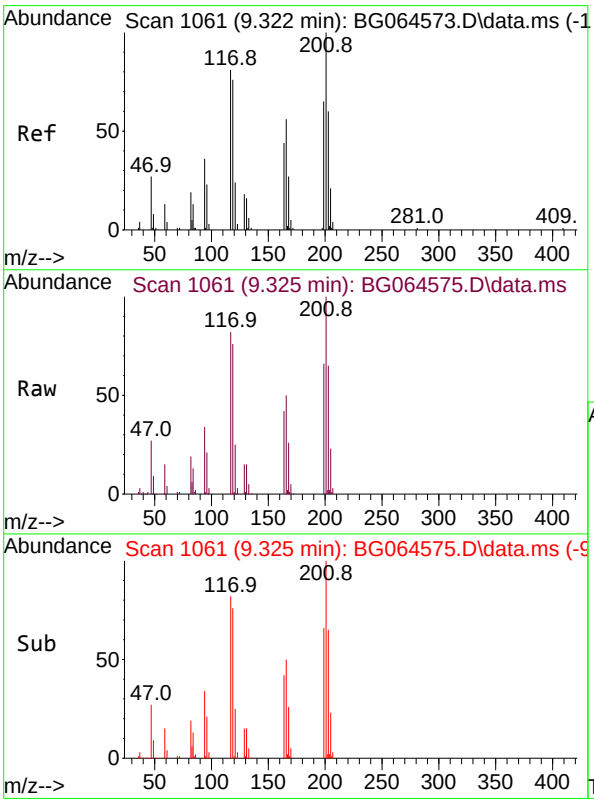
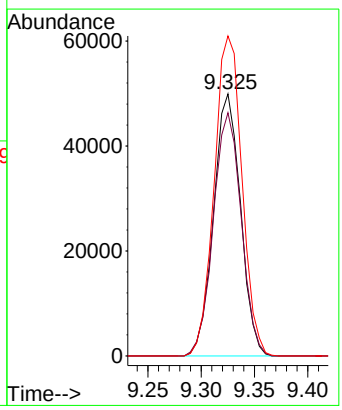
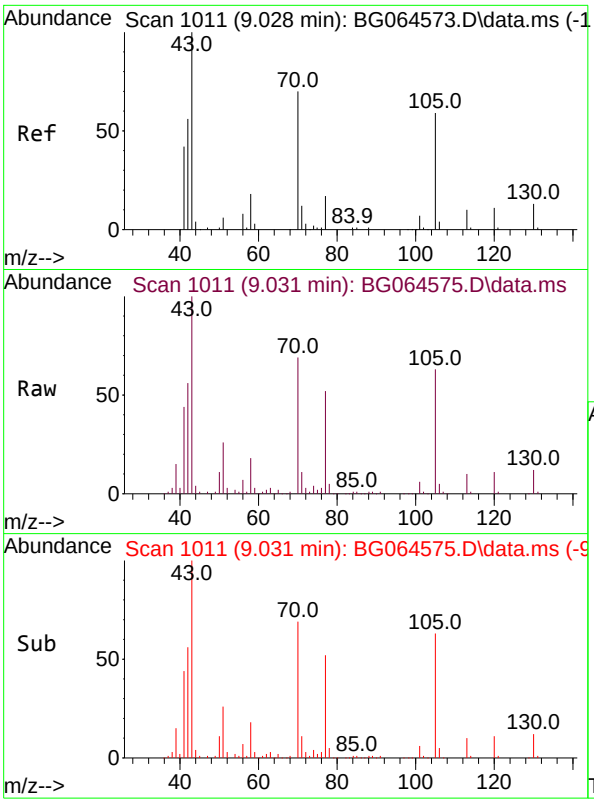


#18
Hexachloroethane
Concen: 75.469 ng
RT: 9.325 min Scan# 1061
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:117 Resp: 87876

Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.4	113.2
201	122.1	99.2	148.8

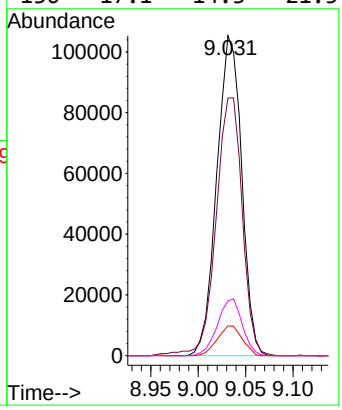




#19
n-Nitroso-di-n-propylamine
Concen: 74.804 ng
RT: 9.031 min Scan# 1(
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 70 Resp: 19215

Ion	Ratio	Lower	Upper
70	100		
42	80.5	65.2	97.8
101	9.3	7.9	11.9
130	17.1	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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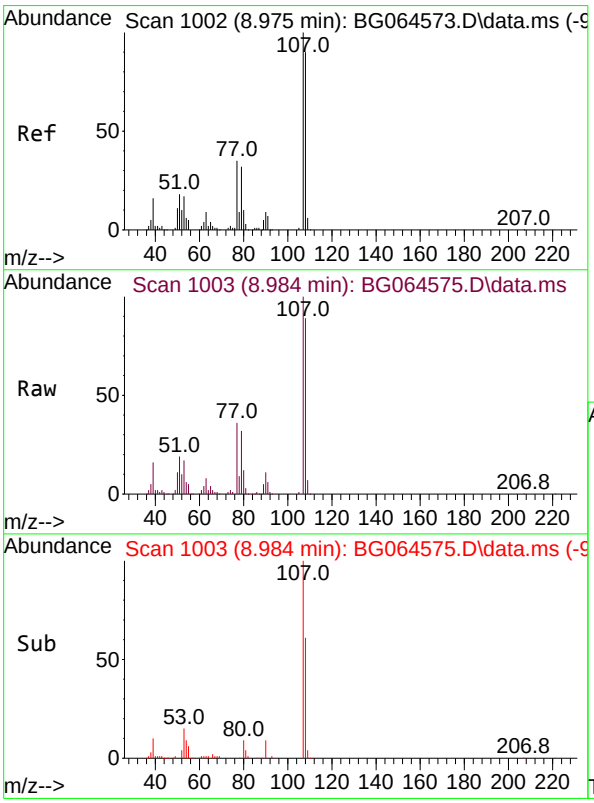
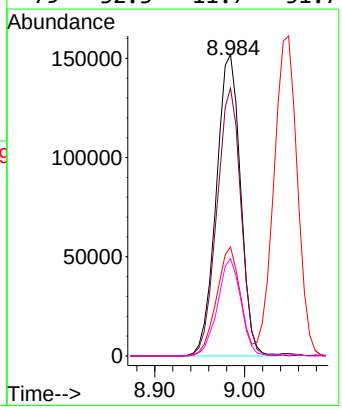
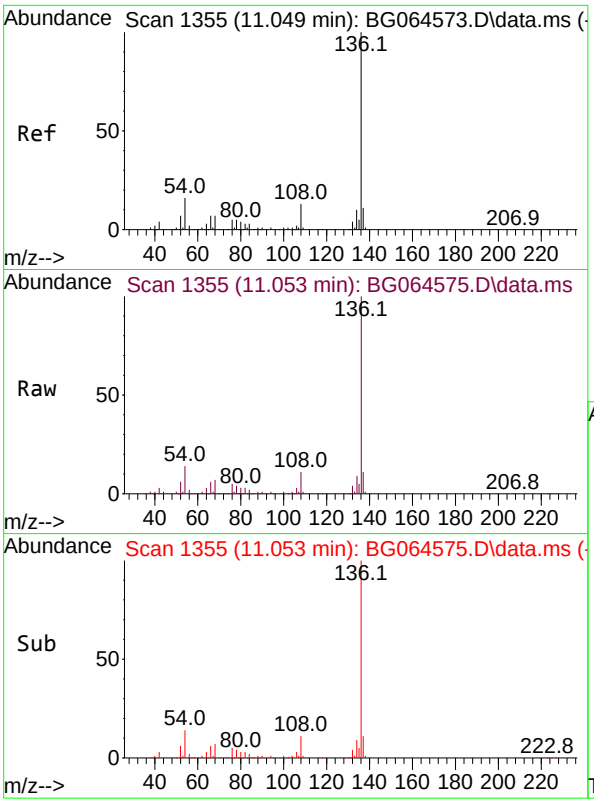


#20
3+4-Methylphenols
Concen: 74.434 ng
RT: 8.984 min Scan# 1003
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 285690

Ion	Ratio	Lower	Upper
107	100		
108	88.9	70.3	110.3
77	36.2	14.6	54.6
79	32.3	11.7	51.7

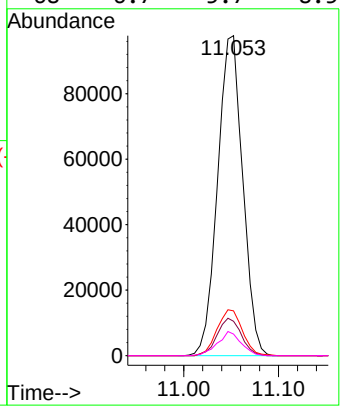




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.053 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:136 Resp: 179569

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	14.0	12.6	19.0
68	6.7	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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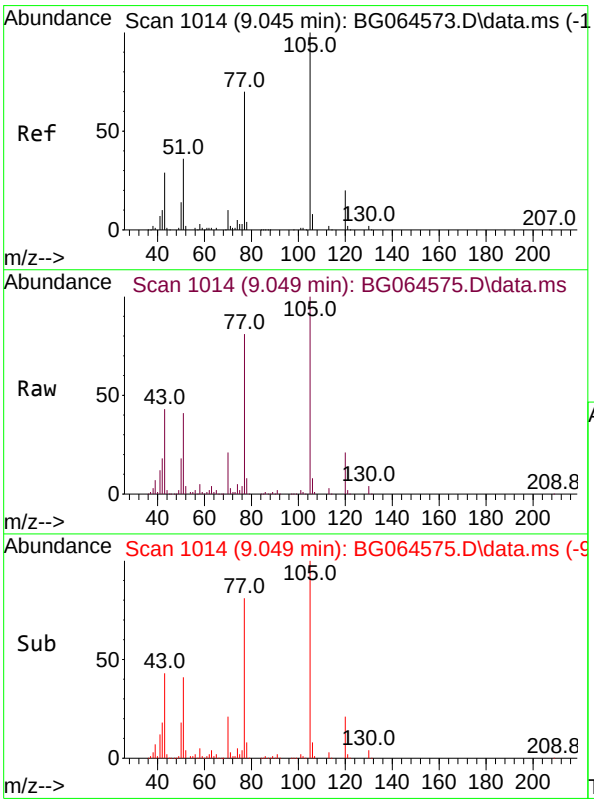
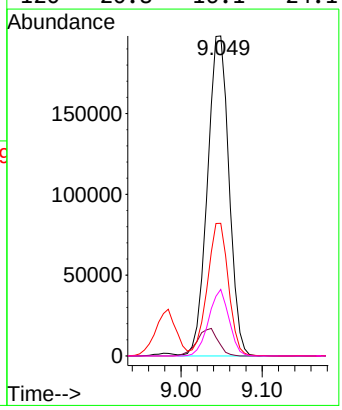
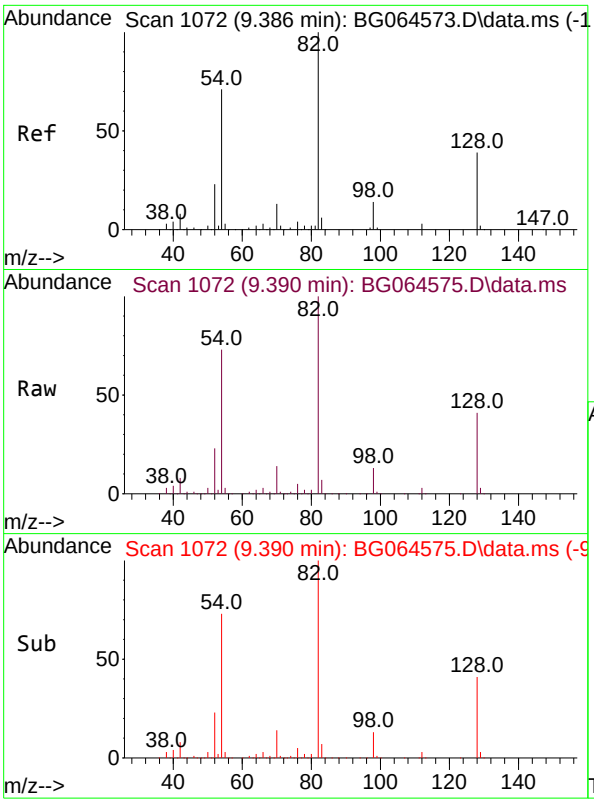


#22
Acetophenone
Concen: 74.412 ng
RT: 9.049 min Scan# 1014
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:105 Resp: 365265

Ion	Ratio	Lower	Upper
105	100		
71	3.4	1.5	2.3#
51	41.4	33.7	50.5
120	20.8	16.1	24.1





#23
Nitrobenzene-d5
Concen: 171.034 ng
RT: 9.390 min Scan# 1(
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 82 Resp: 51134

Ion	Ratio	Lower	Upper
82	100		
128	40.8	31.3	46.9
54	73.3	56.6	84.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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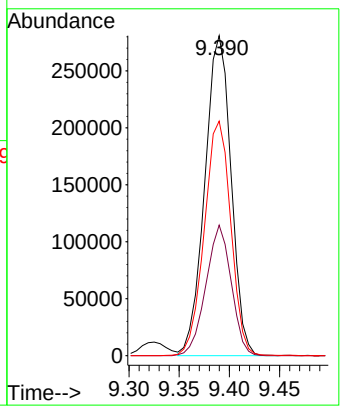
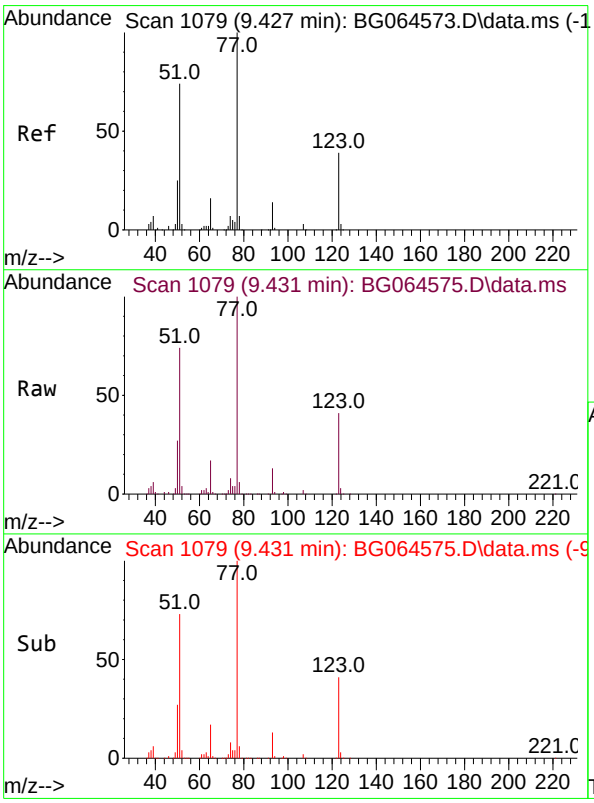
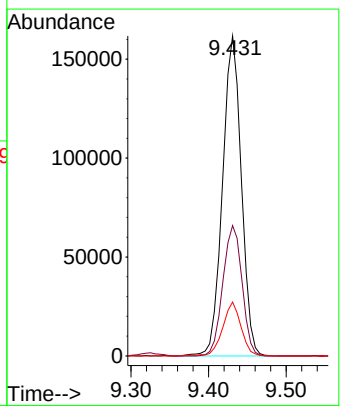


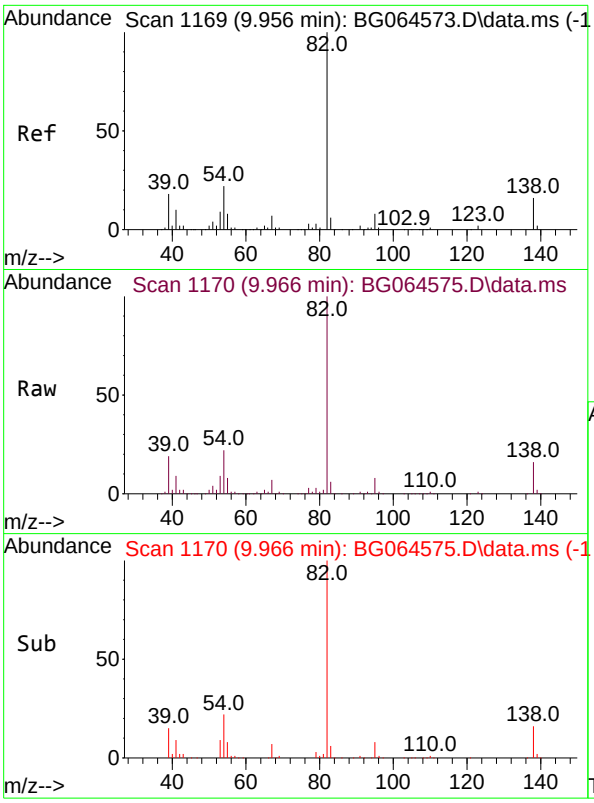


#24
Nitrobenzene
Concen: 84.025 ng
RT: 9.431 min Scan# 1079
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 273231

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	16.8	12.7	19.1





#25
Isophorone
Concen: 75.150 ng
RT: 9.966 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 82 Resp: 53912

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	16.0	13.0	19.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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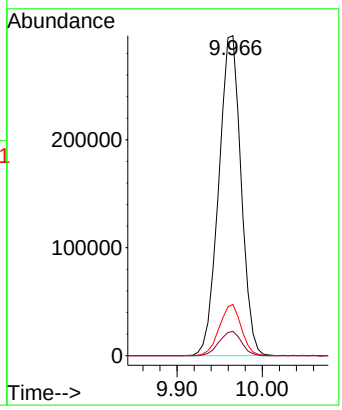
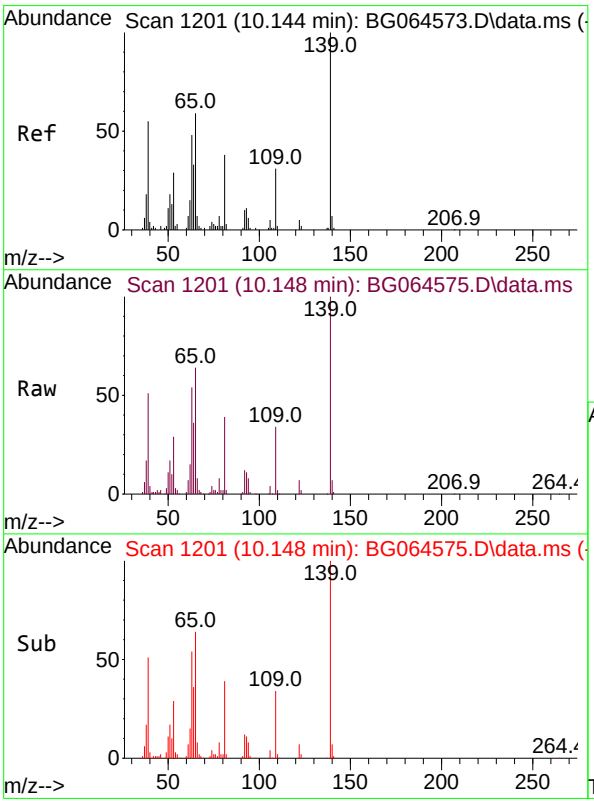
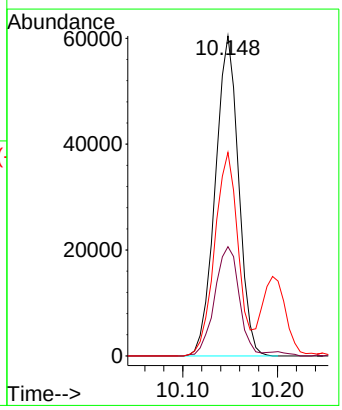


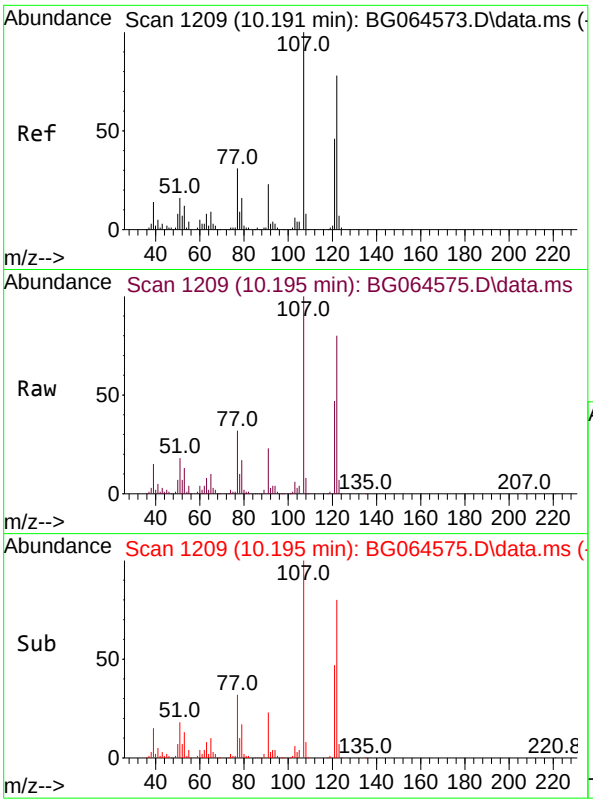


#26
2-Nitrophenol
Concen: 79.938 ng
RT: 10.148 min Scan# 1201
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:139 Resp: 103090

Ion	Ratio	Lower	Upper
139	100		
109	34.1	24.6	37.0
65	63.6	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 77.967 ng
RT: 10.195 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:122 Resp: 20805

Ion	Ratio	Lower	Upper
122	100		
107	125.0	103.0	154.4
121	58.5	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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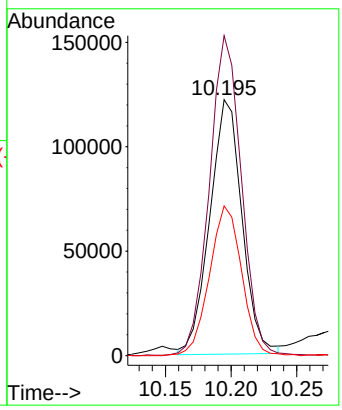
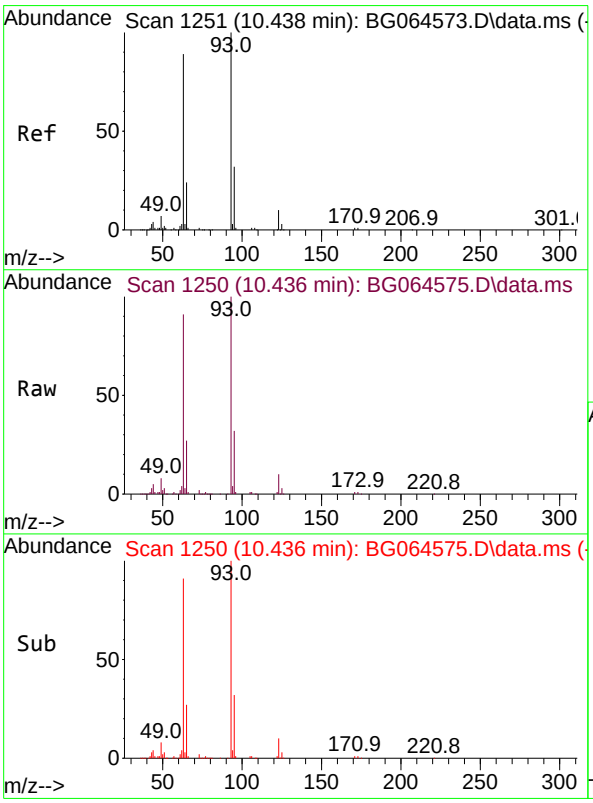
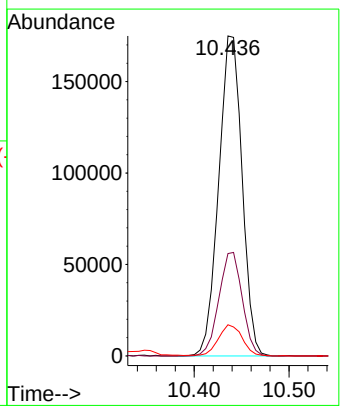


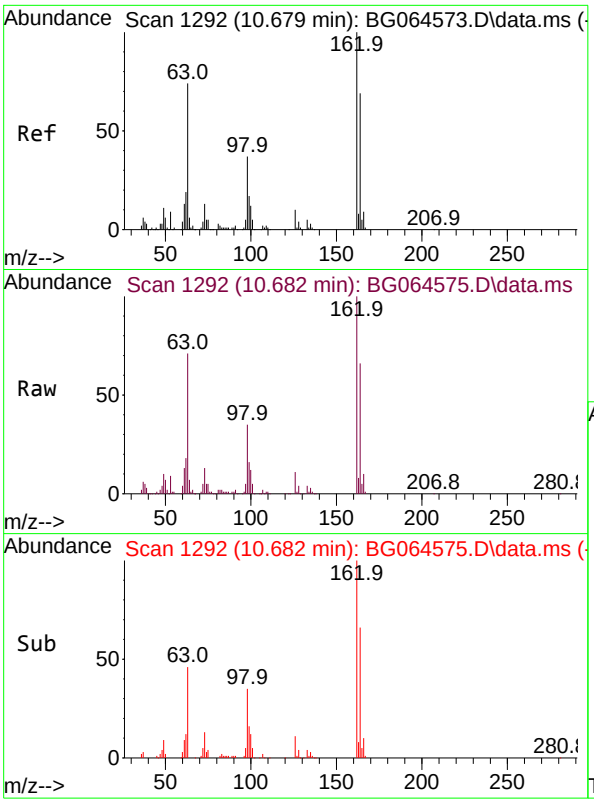


#28
bis(2-Chloroethoxy)methane
Concen: 73.388 ng
RT: 10.436 min Scan# 1250
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 299758

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.4	38.2
123	9.7	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 80.526 ng
RT: 10.682 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:162 Resp: 23125

Ion	Ratio	Lower	Upper
162	100		
164	66.5	48.7	88.7
98	34.8	16.9	56.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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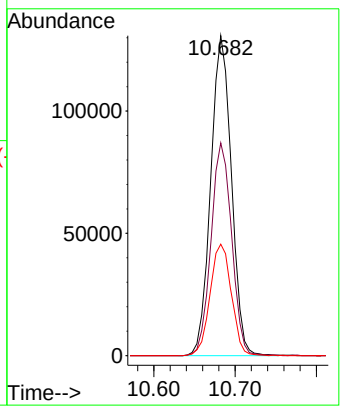
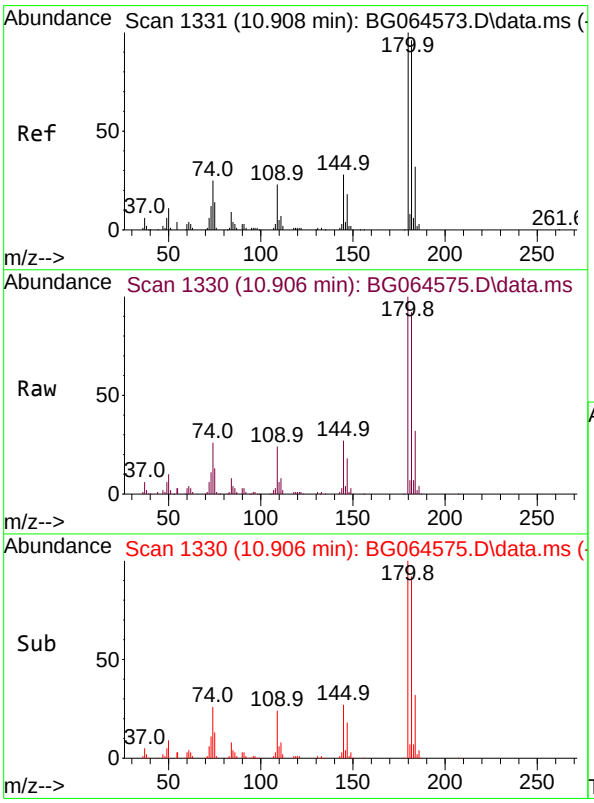
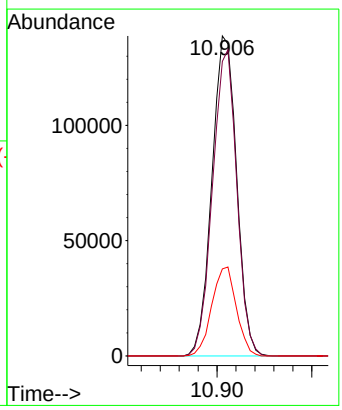


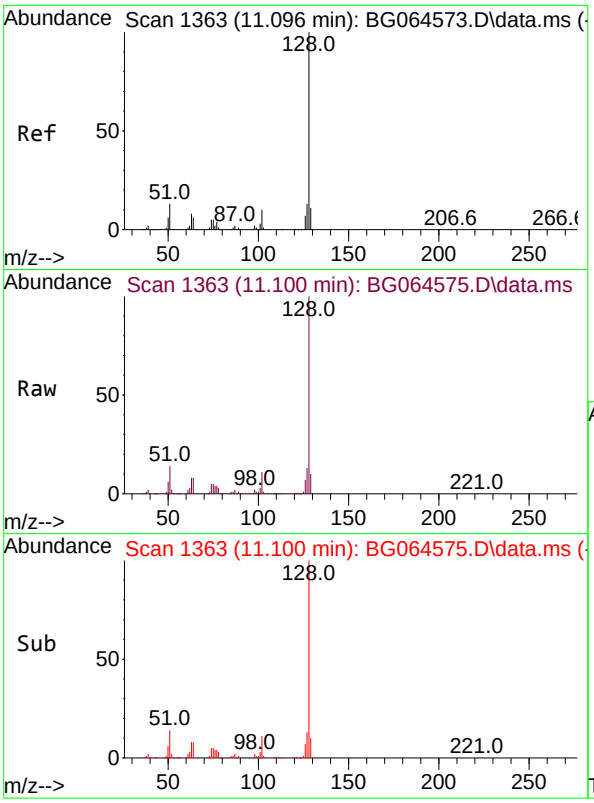


#30
1,2,4-Trichlorobenzene
Concen: 76.888 ng
RT: 10.906 min Scan# 1330
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:180 Resp: 250883

Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.9	115.3
145	27.2	22.1	33.1





#31
Naphthalene
Concen: 74.828 ng
RT: 11.100 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:128 Resp: 74498

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.1	10.6	15.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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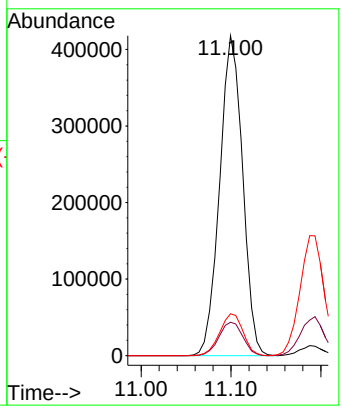
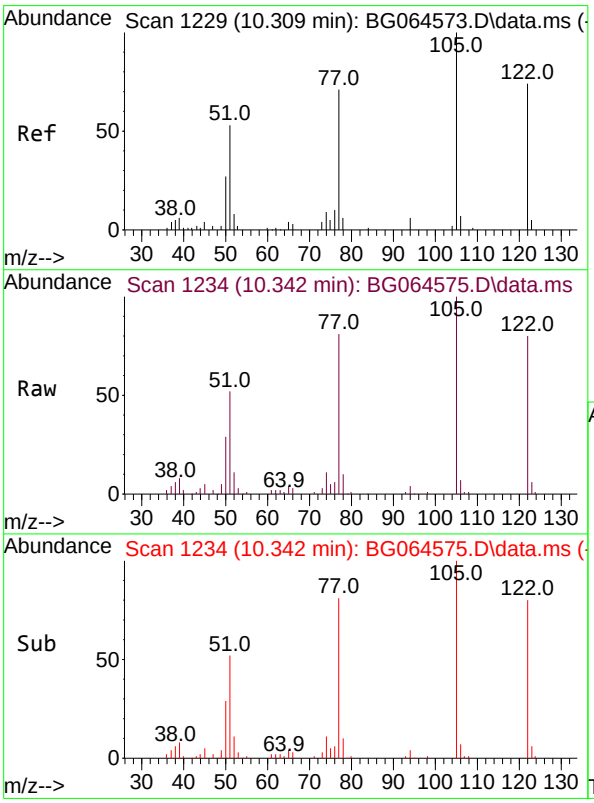
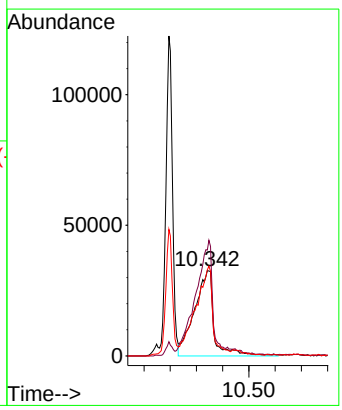


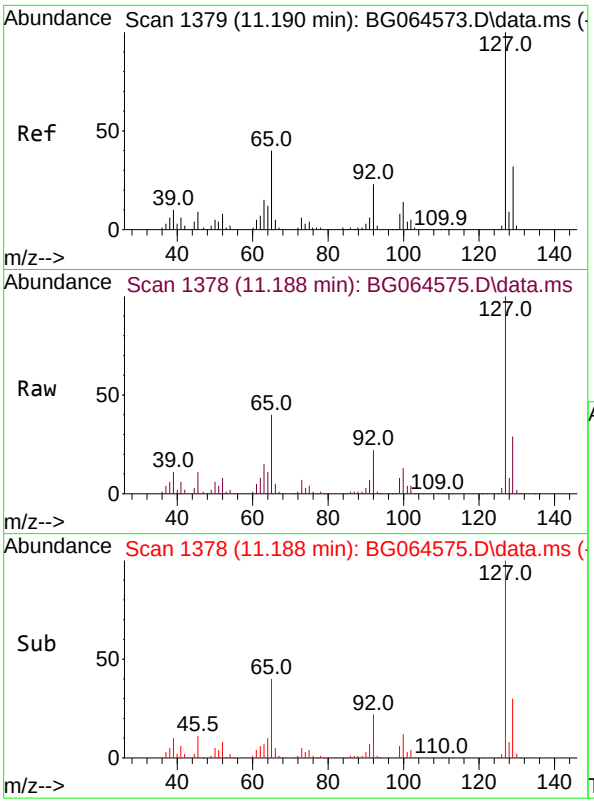


#32
Benzoic acid
Concen: 77.917 ng m
RT: 10.342 min Scan# 1234
Delta R.T. 0.033 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:122 Resp: 169962

Ion	Ratio	Lower	Upper
122	100		
105	124.4	104.2	144.2
77	100.9	70.2	110.2

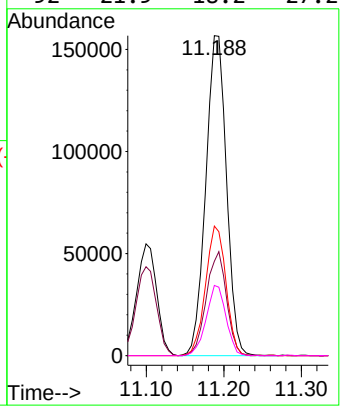




#33
4-Chloroaniline
Concen: 75.100 ng
RT: 11.188 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:127 Resp: 29061

Ion	Ratio	Lower	Upper
127	100		
129	29.5	25.5	38.3
65	40.5	32.2	48.4
92	21.9	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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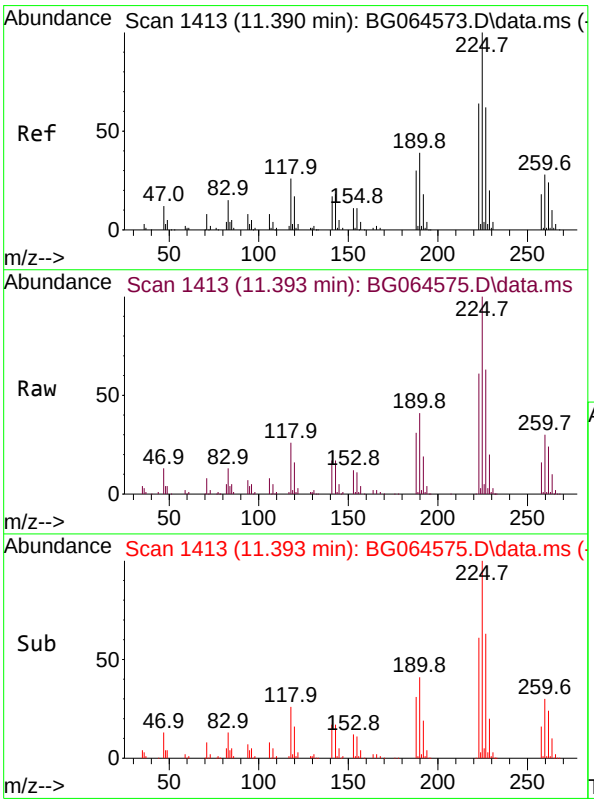
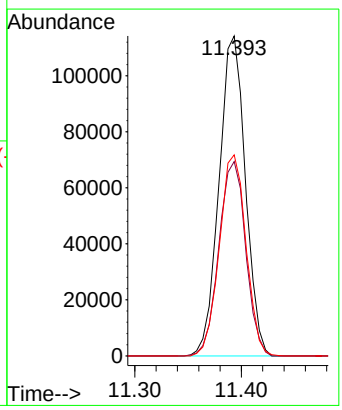
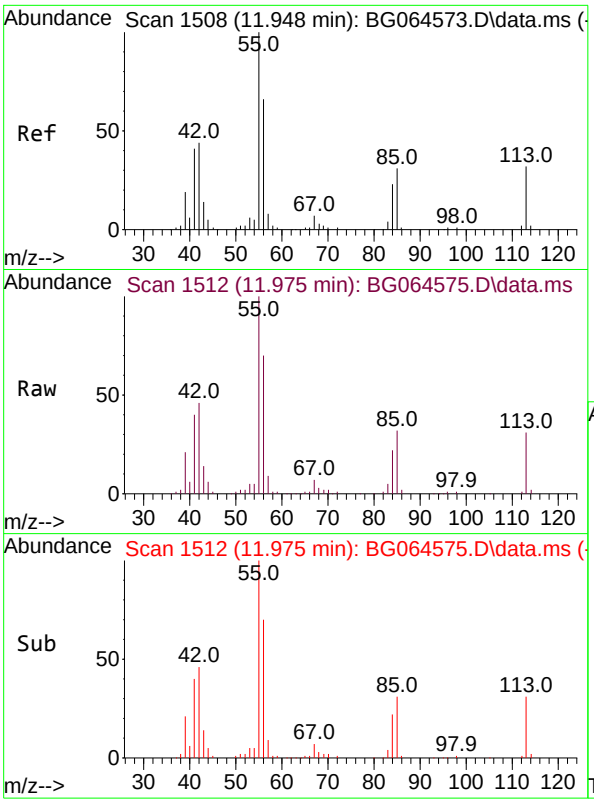


#34
Hexachlorobutadiene
Concen: 76.863 ng
RT: 11.393 min Scan# 1413
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:225 Resp: 196140

Ion	Ratio	Lower	Upper
225	100		
223	60.7	48.8	73.2
227	62.8	49.5	74.3





#35
Caprolactam
Concen: 75.596 ng
RT: 11.975 min Scan# 1
Delta R.T. 0.027 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:113 Resp: 8326

Ion	Ratio	Lower	Upper
113	100		
55	318.6	290.1	330.1
56	221.7	183.8	223.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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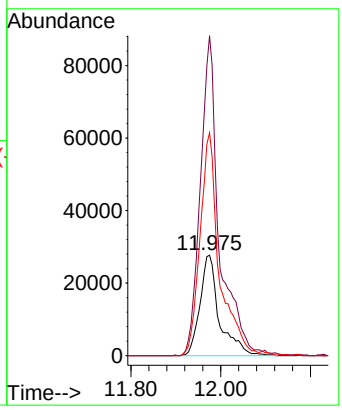
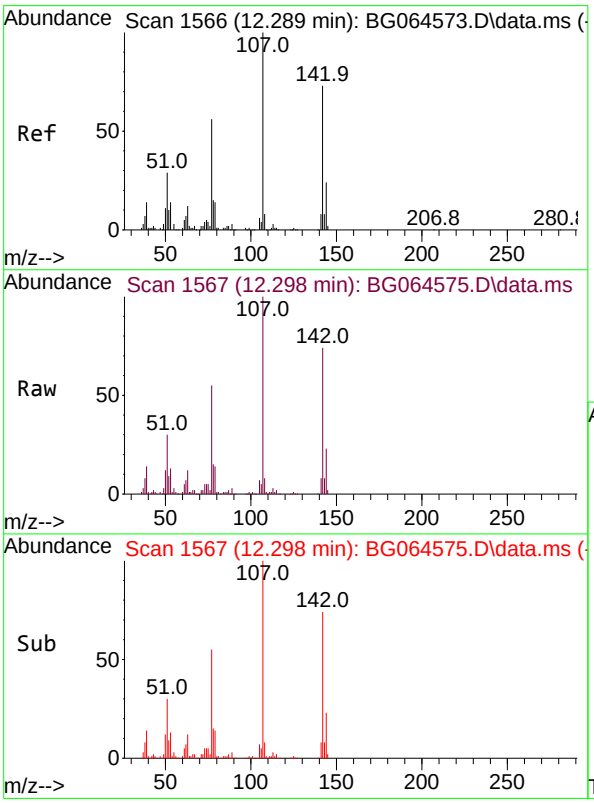
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

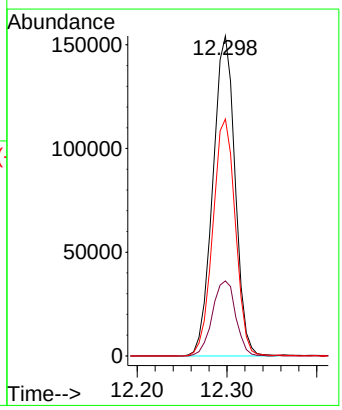


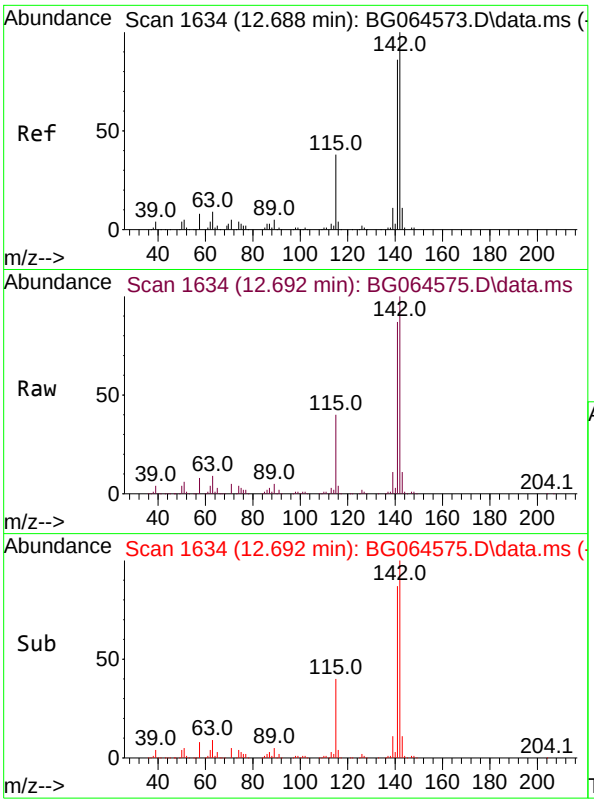


#36
4-Chloro-3-methylphenol
Concen: 77.031 ng
RT: 12.298 min Scan# 1567
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 265909

Ion	Ratio	Lower	Upper
107	100		
144	23.4	19.1	28.7
142	74.0	58.6	87.8





#37
2-Methylnaphthalene
Concen: 74.168 ng
RT: 12.692 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:142 Resp: 54213

Ion	Ratio	Lower	Upper
142	100		
141	87.2	68.9	103.3
115	39.6	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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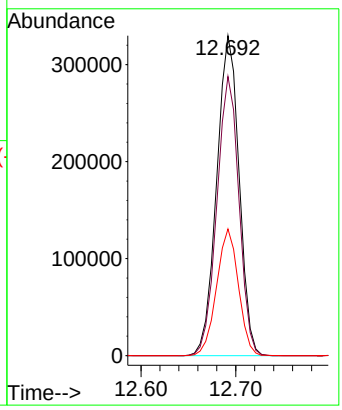
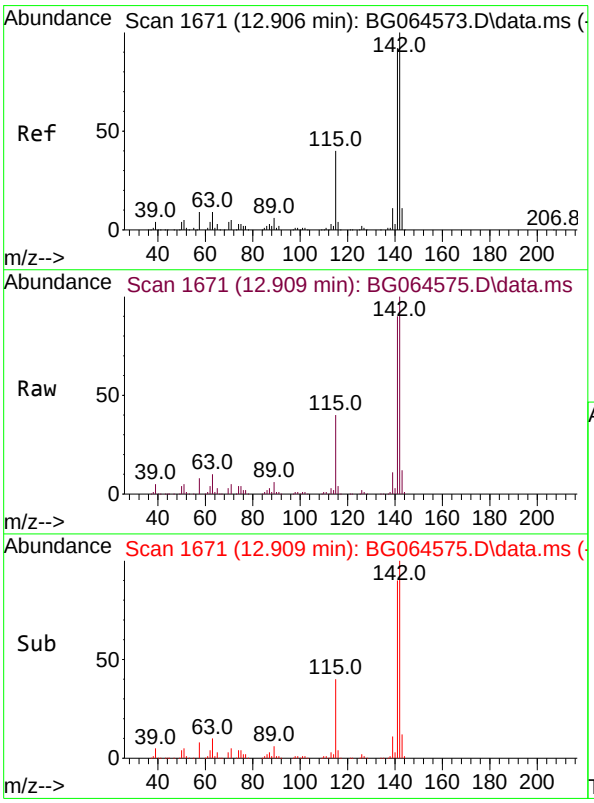
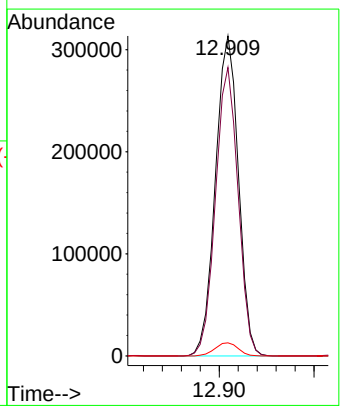


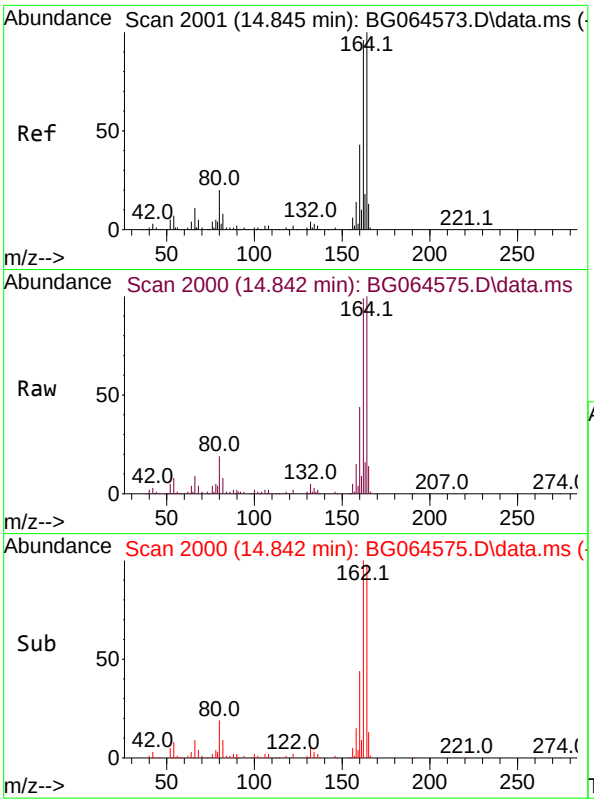


#38
1-Methylnaphthalene
Concen: 72.945 ng
RT: 12.909 min Scan# 1671
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:142 Resp: 527717

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.3	109.9
116	4.1	3.1	4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2(
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:164 Resp: 13379

Ion	Ratio	Lower	Upper
164	100		
162	98.9	77.0	115.6
160	43.9	34.4	51.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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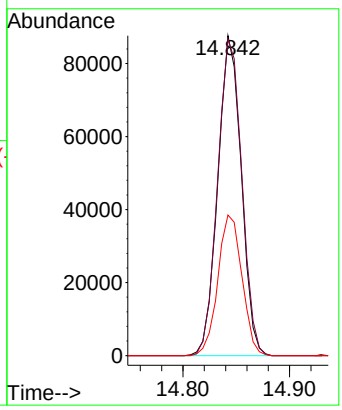
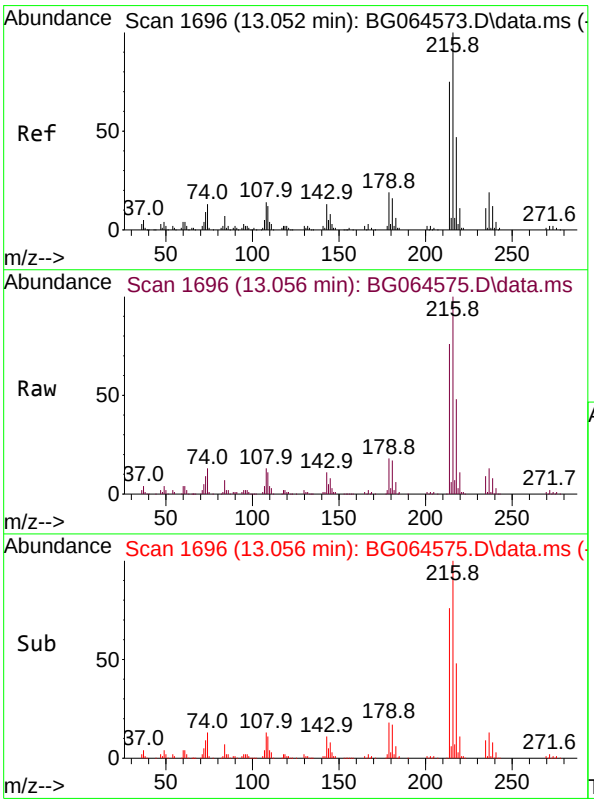
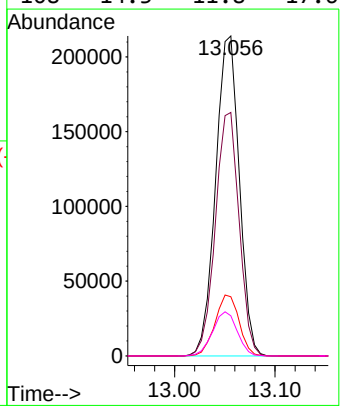


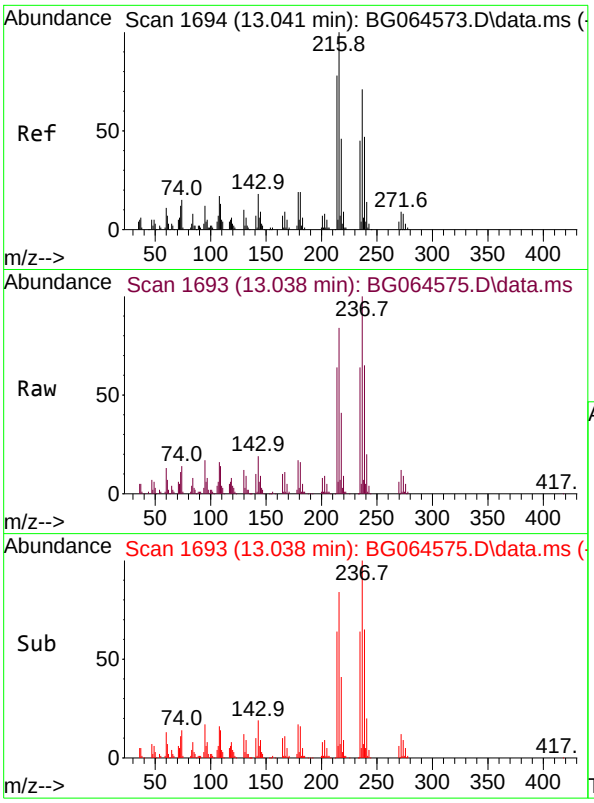


#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.328 ng
RT: 13.056 min Scan# 1696
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:216 Resp: 351719

Ion	Ratio	Lower	Upper
216	100		
214	76.1	61.4	92.2
179	19.3	15.4	23.0
108	14.3	11.8	17.6





#41
Hexachlorocyclopentadiene
Concen: 80.876 ng
RT: 13.038 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:237 Resp: 16346

Ion	Ratio	Lower	Upper
237	100		
235	63.6	44.1	84.1
272	12.3	0.0	32.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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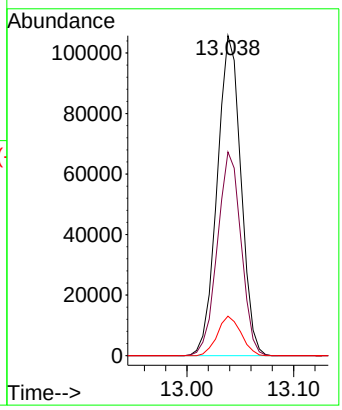
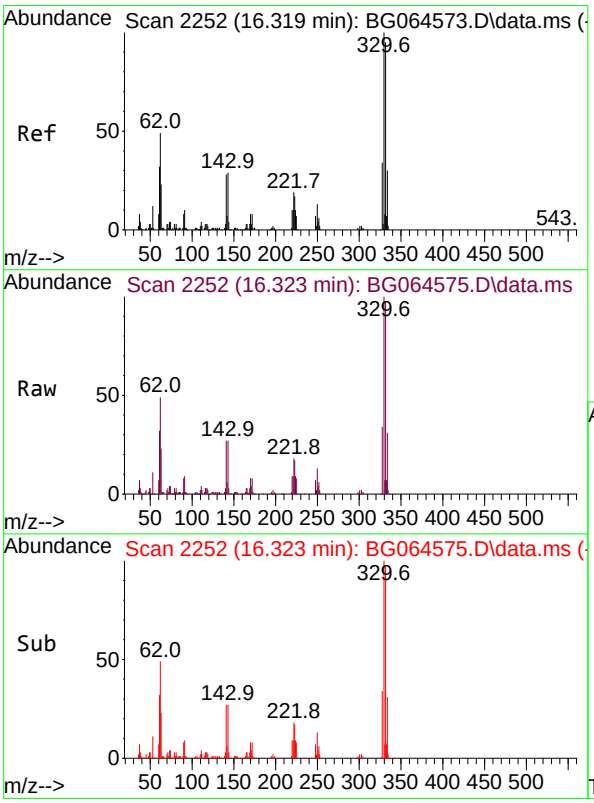
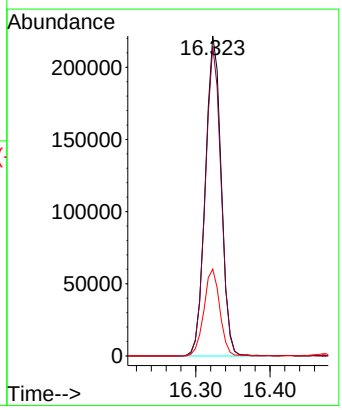


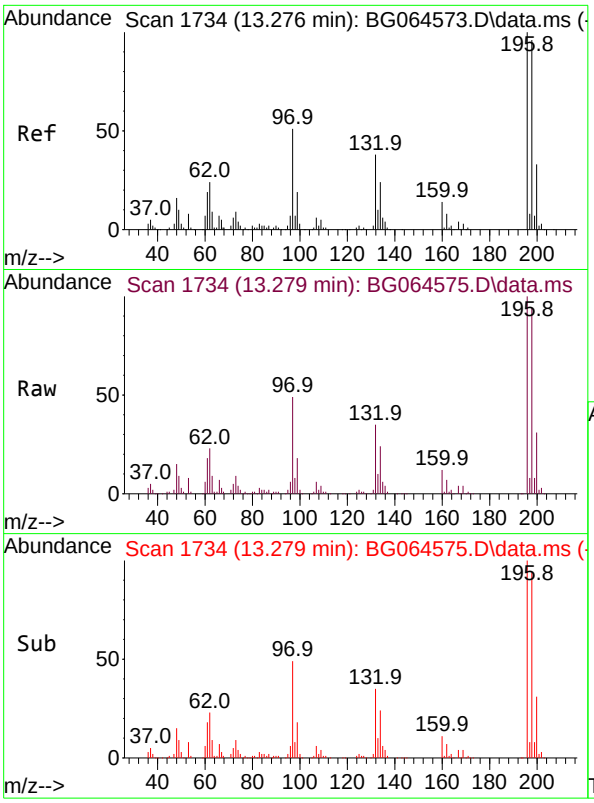


#42
2,4,6-Tribromophenol
Concen: 169.886 ng
RT: 16.323 min Scan# 2252
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:330 Resp: 328066

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	27.1	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 84.998 ng
RT: 13.279 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:196 Resp: 218318

Ion	Ratio	Lower	Upper
196	100		
198	94.0	76.6	115.0
200	31.2	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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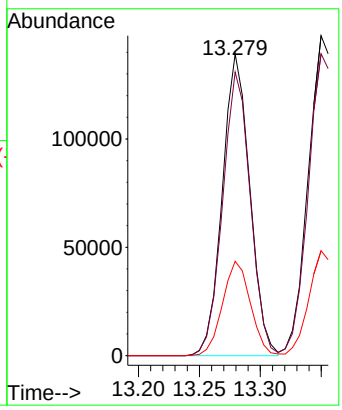
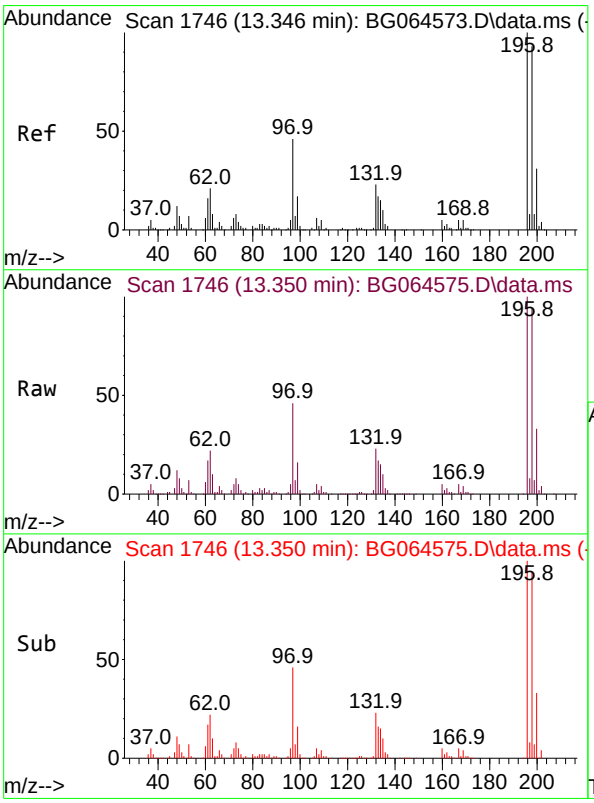
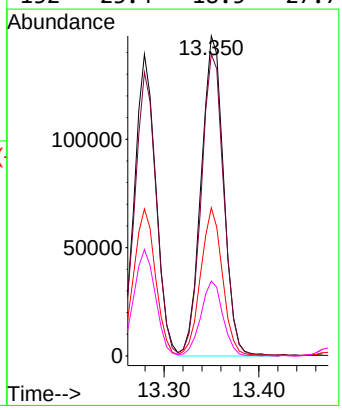


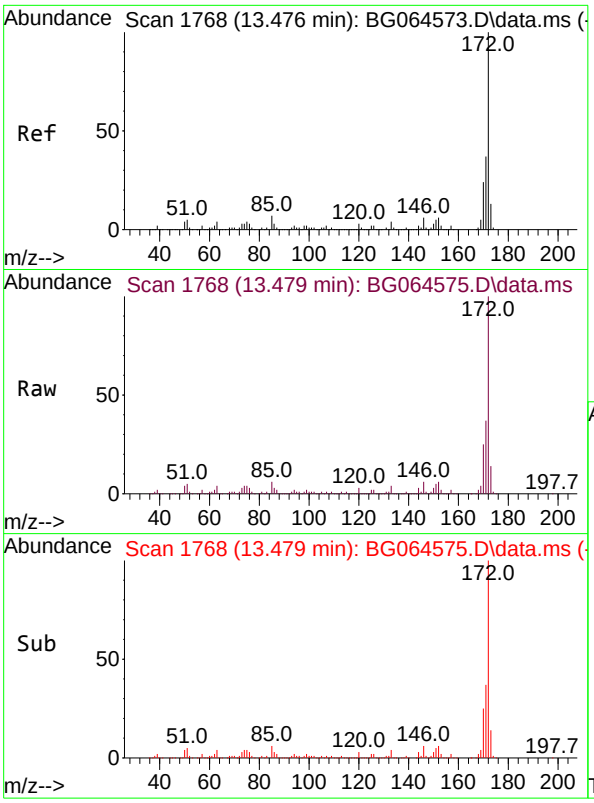


#44
2,4,5-Trichlorophenol
Concen: 82.064 ng
RT: 13.350 min Scan# 1746
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:196 Resp: 243241

Ion	Ratio	Lower	Upper
196	100		
198	94.3	74.2	111.4
97	46.3	37.0	55.6
132	23.4	18.5	27.7





#45
2-Fluorobiphenyl
Concen: 148.960 ng
RT: 13.479 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:172 Resp: 131489

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	24.9	19.1	28.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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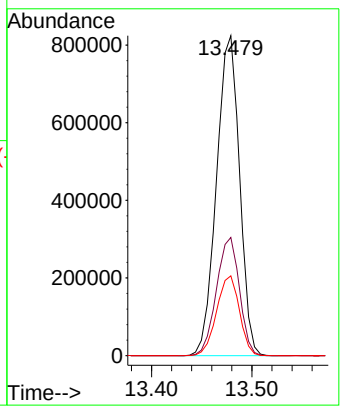
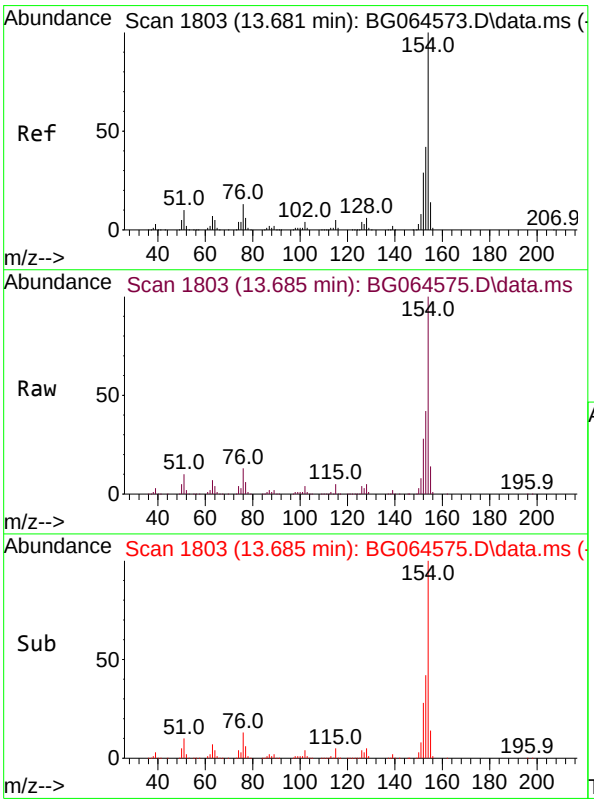
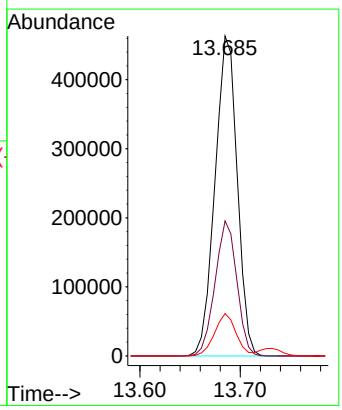


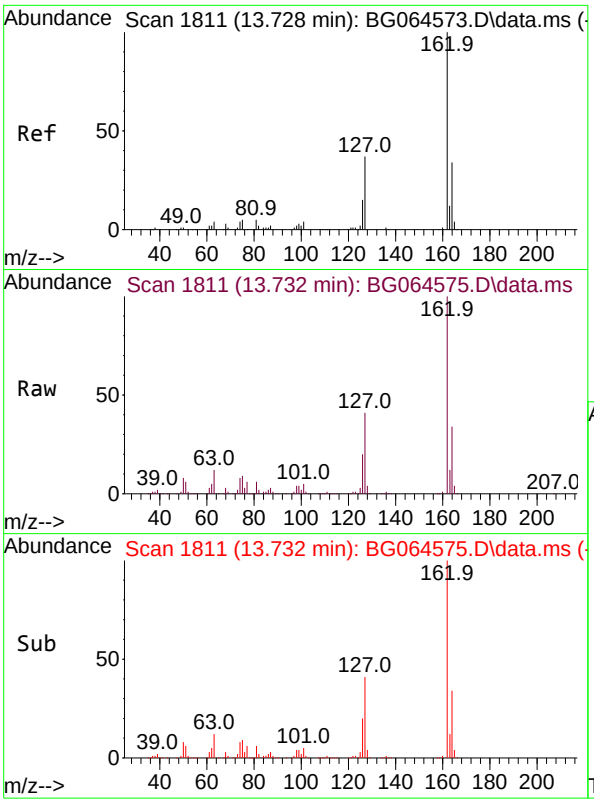


#46
1,1'-Biphenyl
Concen: 74.977 ng
RT: 13.685 min Scan# 1803
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:154 Resp: 713186

Ion	Ratio	Lower	Upper
154	100		
153	42.2	22.4	62.4
76	13.2	0.0	33.5





#47
2-Chloronaphthalene
Concen: 76.218 ng
RT: 13.732 min Scan# 18
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:162 Resp: 54724

Ion	Ratio	Lower	Upper
162	100		
127	41.1	32.2	48.2
164	33.7	27.5	41.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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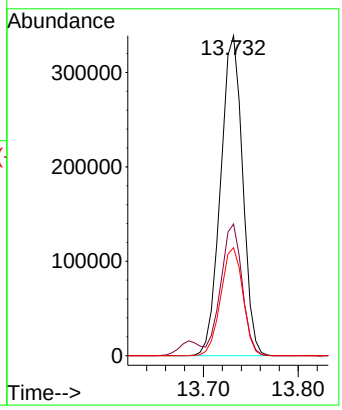
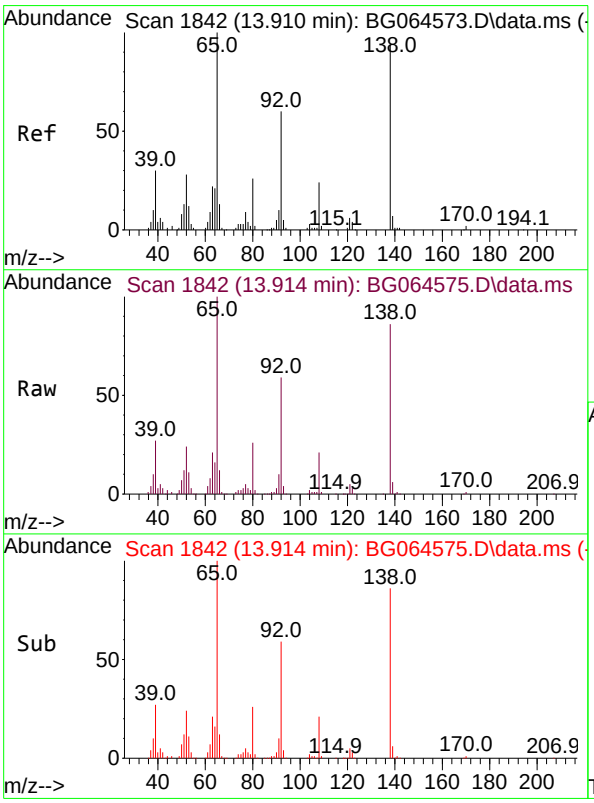
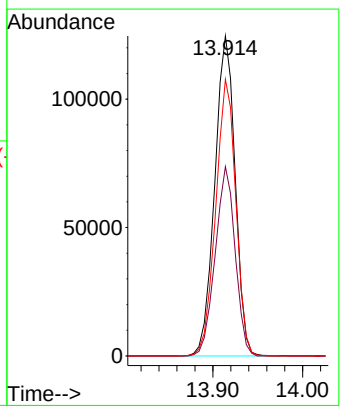


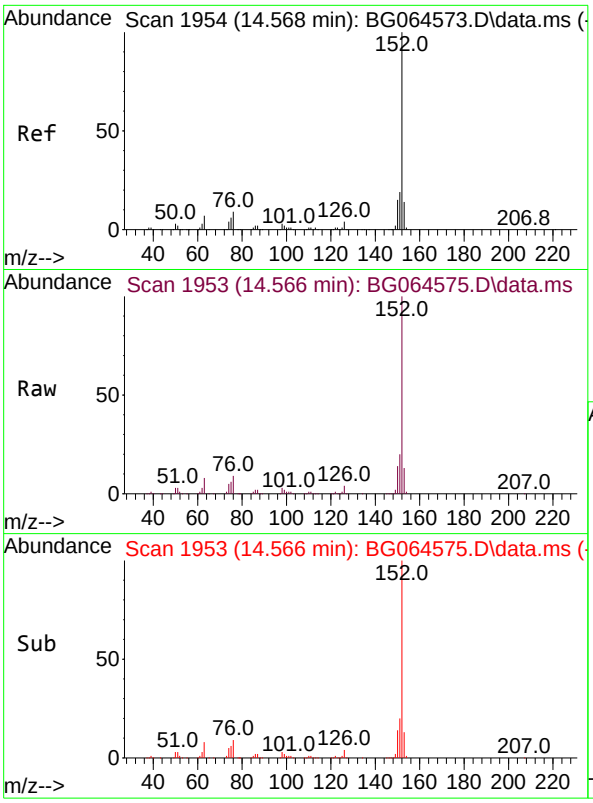


#48
2-Nitroaniline
Concen: 79.301 ng
RT: 13.914 min Scan# 1842
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 65 Resp: 196580

Ion	Ratio	Lower	Upper
65	100		
92	59.1	48.3	72.5
138	86.4	74.9	112.3





#49
Acenaphthylene
Concen: 75.806 ng
RT: 14.566 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:152 Resp: 85851

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.5	11.0	16.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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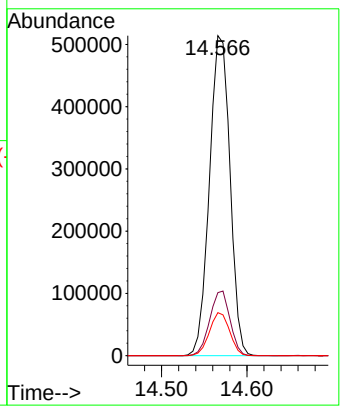
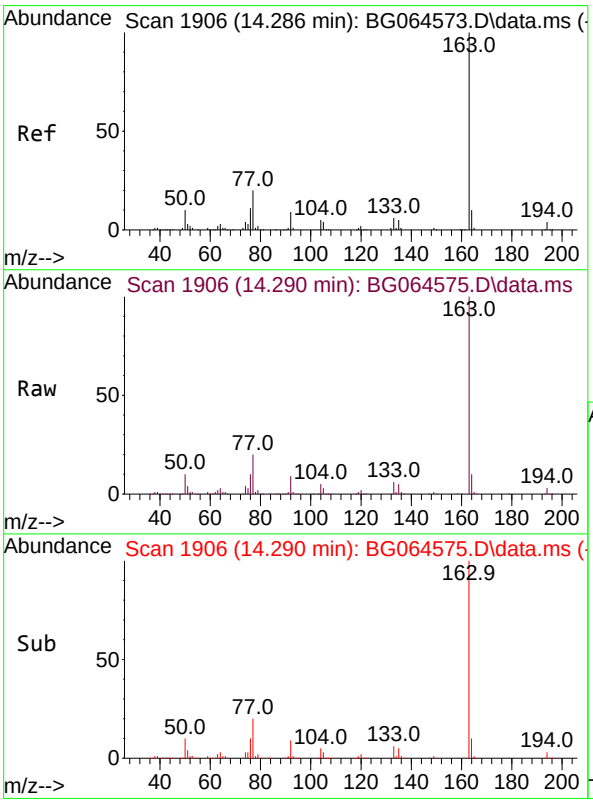
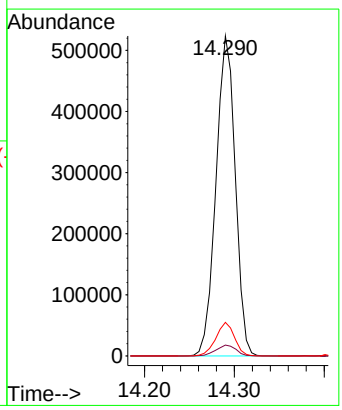


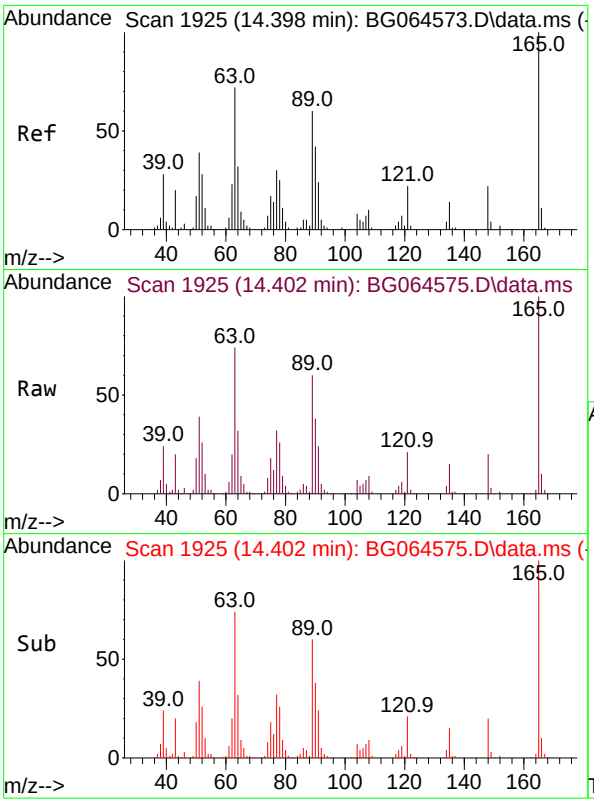


#50
Dimethylphthalate
Concen: 76.450 ng
RT: 14.290 min Scan# 1906
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:163 Resp: 782708

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.5	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 78.216 ng
RT: 14.402 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:165 Resp: 135769

Ion	Ratio	Lower	Upper
165	100		
63	74.1	57.4	86.0
89	59.7	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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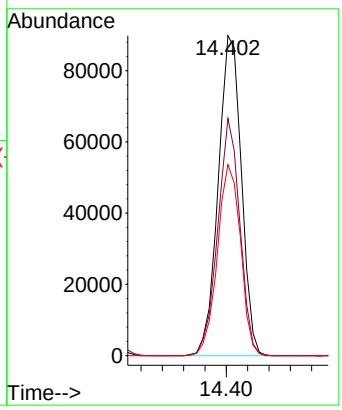
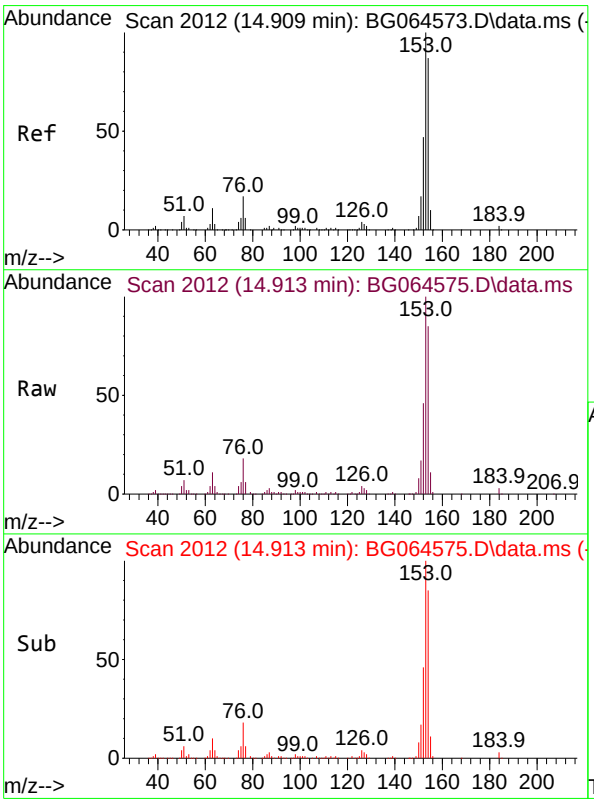
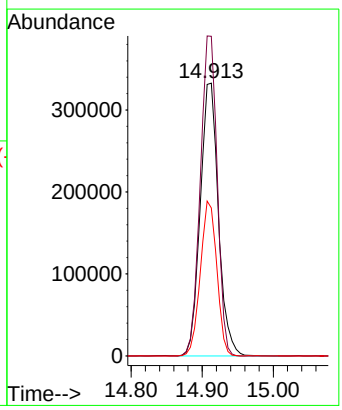


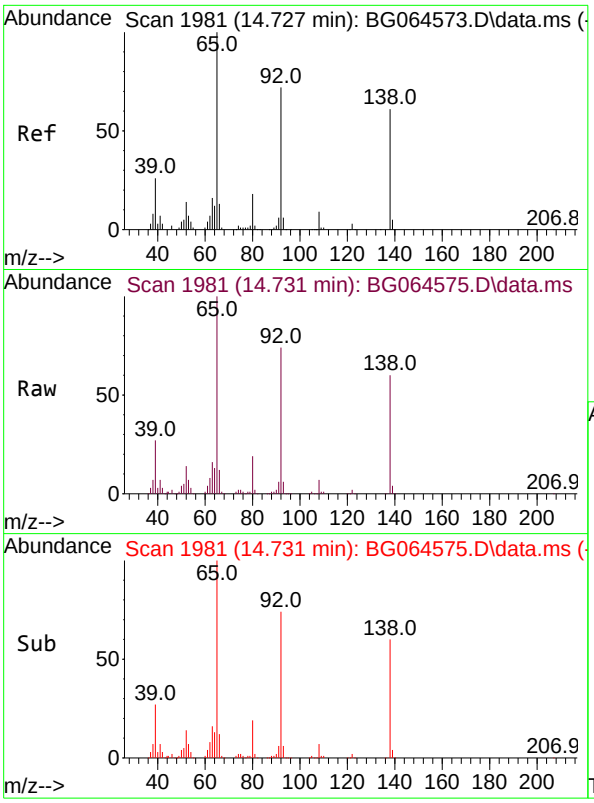


#52
Acenaphthene
Concen: 76.150 ng
RT: 14.913 min Scan# 2012
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:154 Resp: 589213

Ion	Ratio	Lower	Upper
154	100		
153	117.2	92.2	138.4
152	54.2	43.2	64.8





#53
3-Nitroaniline
Concen: 90.409 ng
RT: 14.731 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:138 Resp: 15907

Ion	Ratio	Lower	Upper
138	100		
108	12.0	11.4	17.0
92	122.9	95.3	142.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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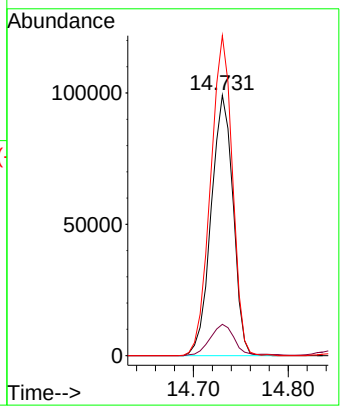
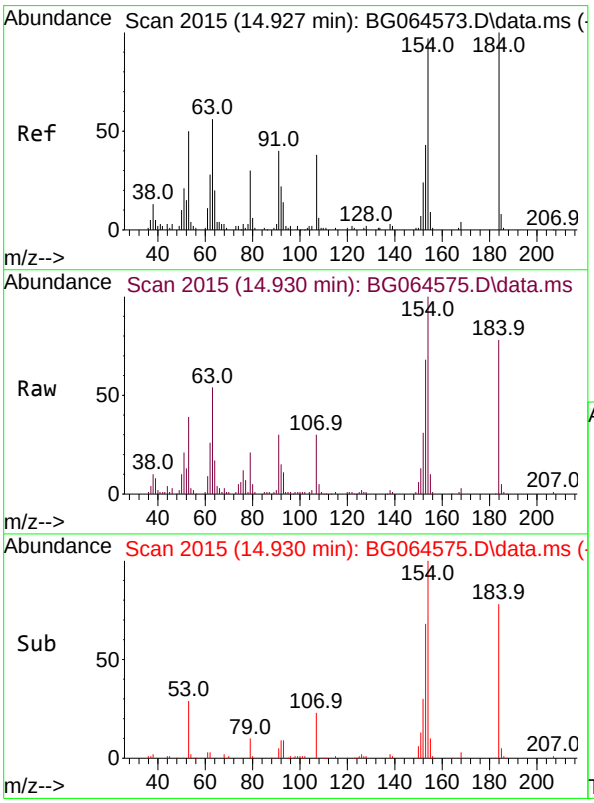
Supervised By :mohammad ahmed 11/05/2025

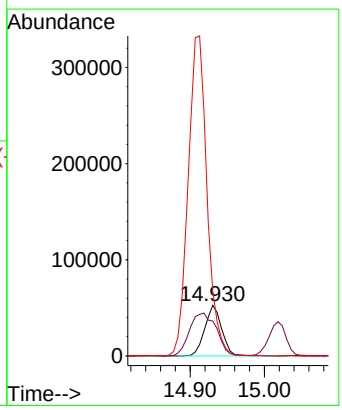


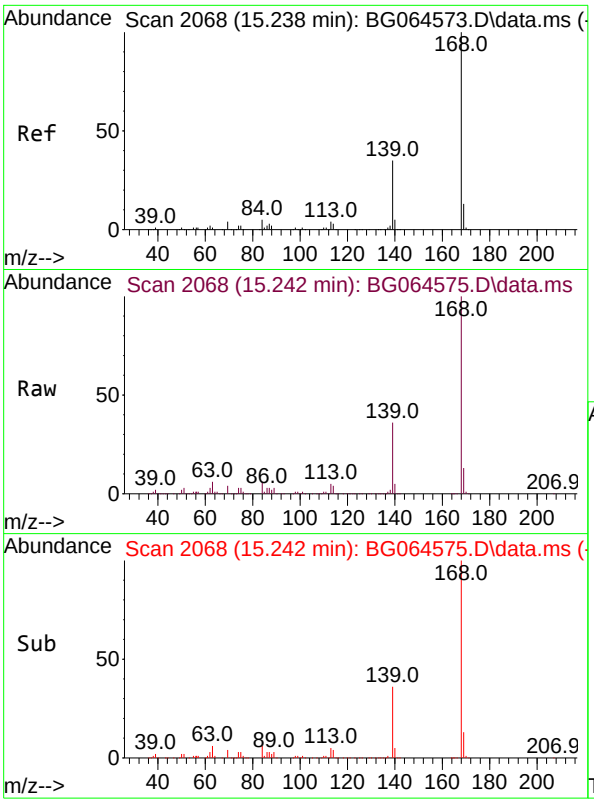


#54
2,4-Dinitrophenol
Concen: 79.755 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.003 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:184 Resp: 82655

Ion	Ratio	Lower	Upper
184	100		
63	69.0	56.6	85.0
154	128.4	158.6	238.0#





#55
Dibenzofuran
Concen: 73.816 ng
RT: 15.242 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:168 Resp: 92338

Ion	Ratio	Lower	Upper
168	100		
139	35.8	27.8	41.8
169	13.0	10.3	15.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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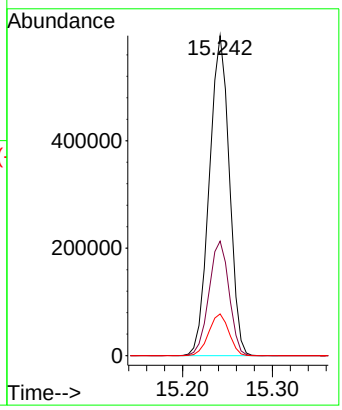
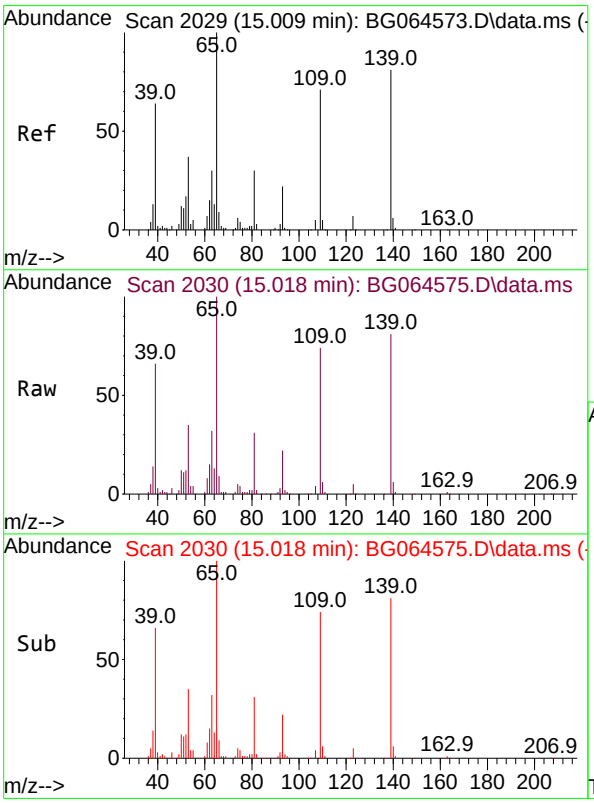
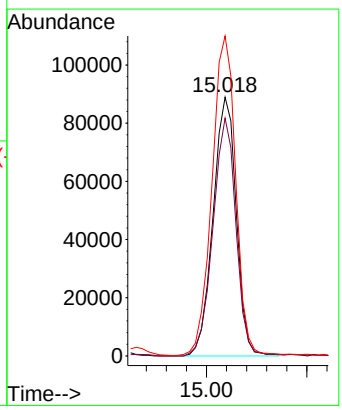


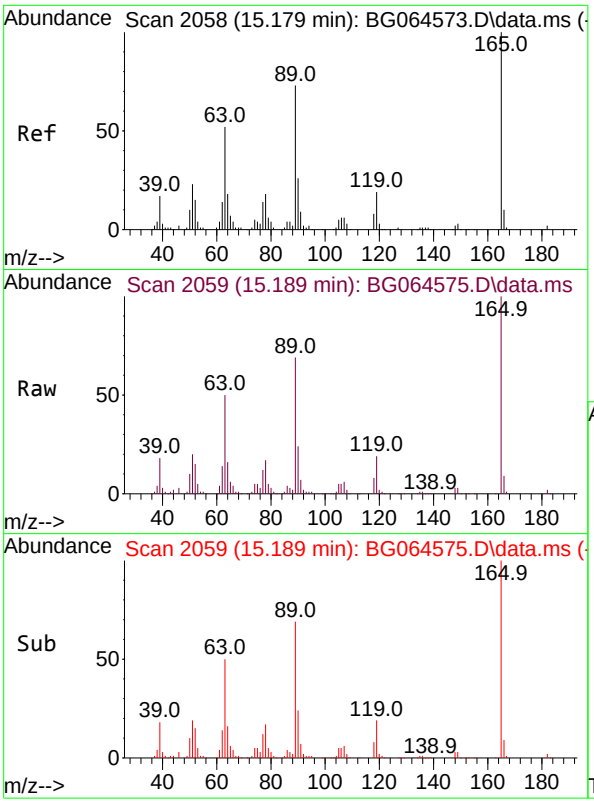


#56
4-Nitrophenol
Concen: 87.640 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:139 Resp: 142966

Ion	Ratio	Lower	Upper
139	100		
109	91.9	67.8	107.8
65	123.7	103.7	143.7

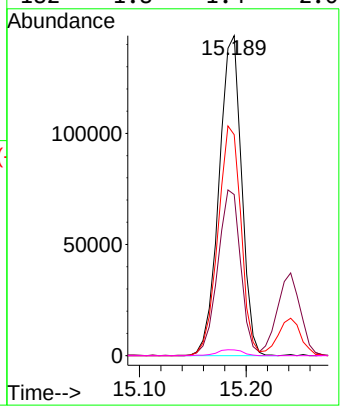




#57
2,4-Dinitrotoluene
Concen: 79.117 ng
RT: 15.189 min Scan# 2(
Delta R.T. 0.010 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:165 Resp: 21216

Ion	Ratio	Lower	Upper
165	100		
63	50.3	41.8	62.8
89	69.0	58.1	87.1
182	1.8	1.4	2.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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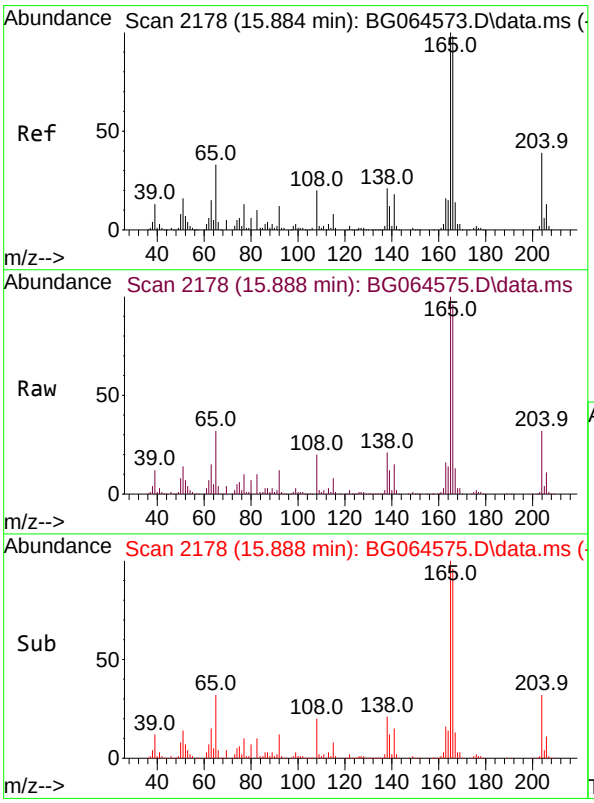
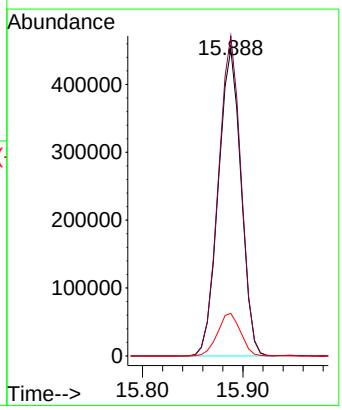
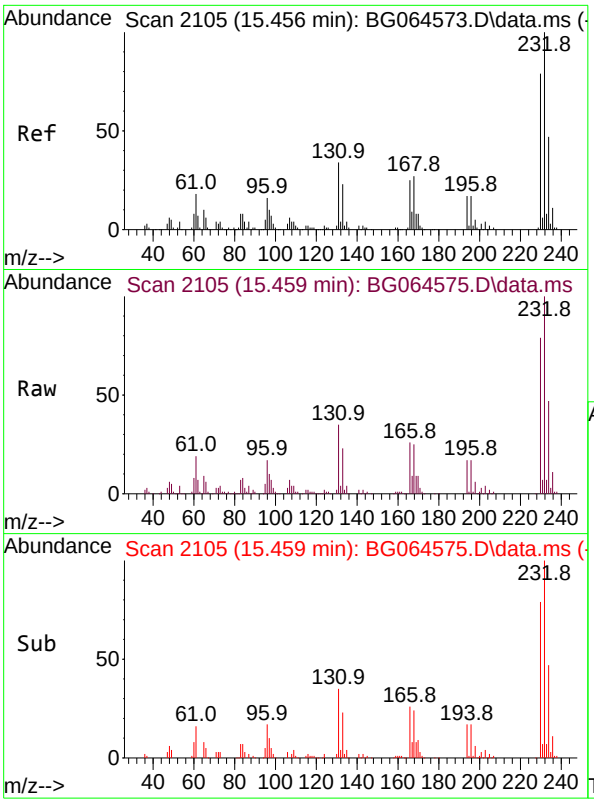


#58
Fluorene
Concen: 72.801 ng
RT: 15.888 min Scan# 2178
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:166 Resp: 711212

Ion	Ratio	Lower	Upper
166	100		
165	104.4	81.5	122.3
167	13.8	11.4	17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 84.708 ng
RT: 15.459 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 240094

Ion	Ratio	Lower	Upper
232	100		
131	34.1	26.7	40.1
130	2.1	1.6	2.4
166	25.3	20.5	30.7

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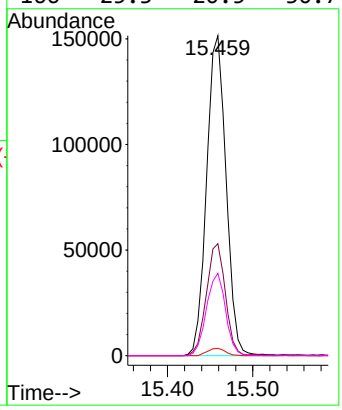
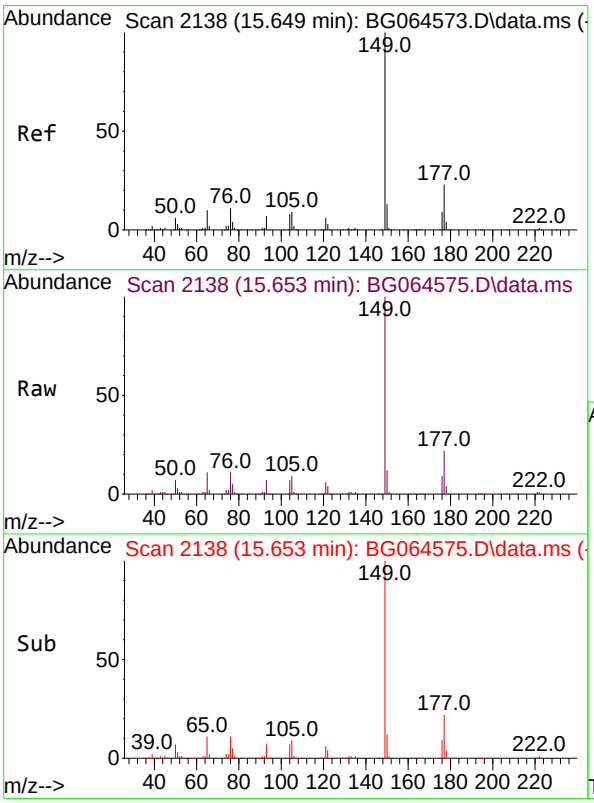
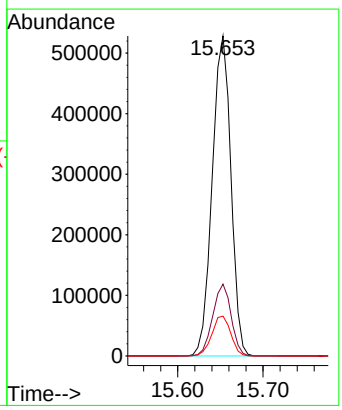


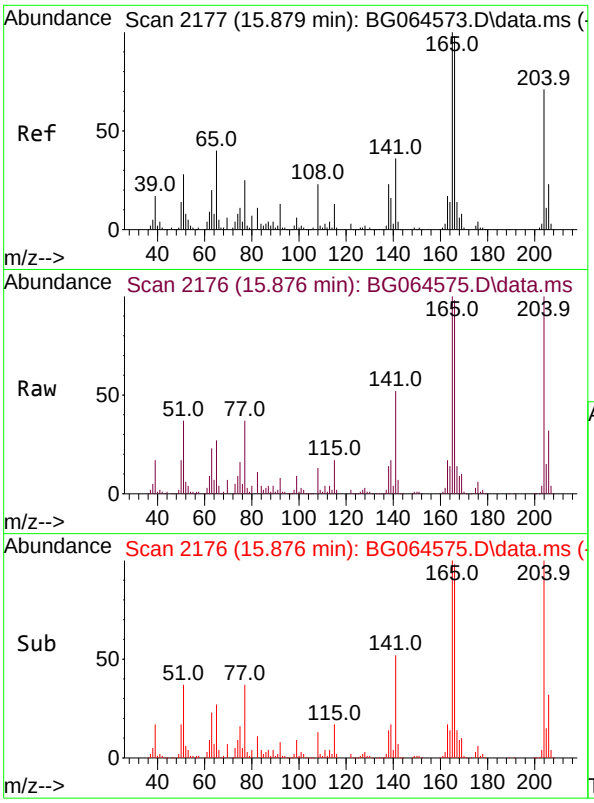


#60
Diethylphthalate
Concen: 76.874 ng
RT: 15.653 min Scan# 2138
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 803621

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.0	27.0
150	12.4	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 74.463 ng
RT: 15.876 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:204 Resp: 408239

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	51.7	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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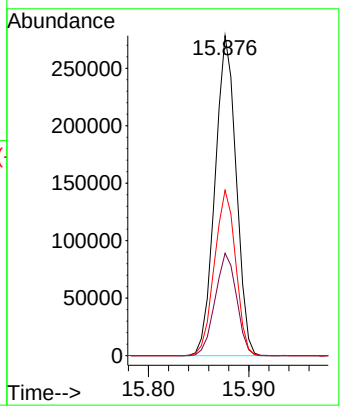
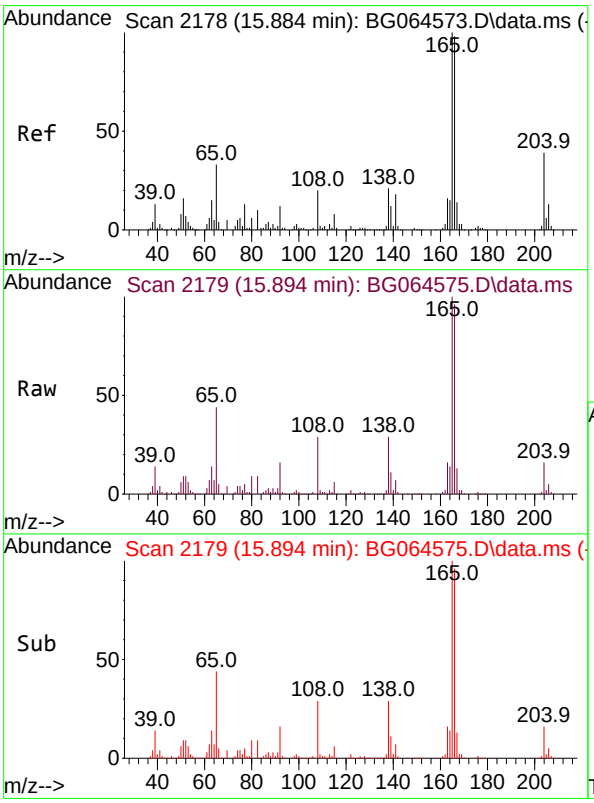
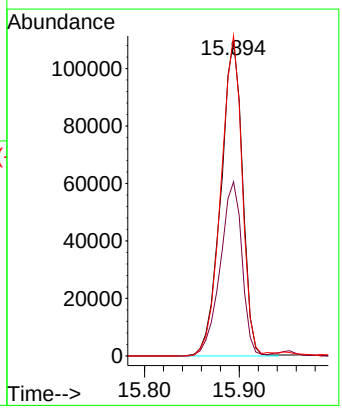


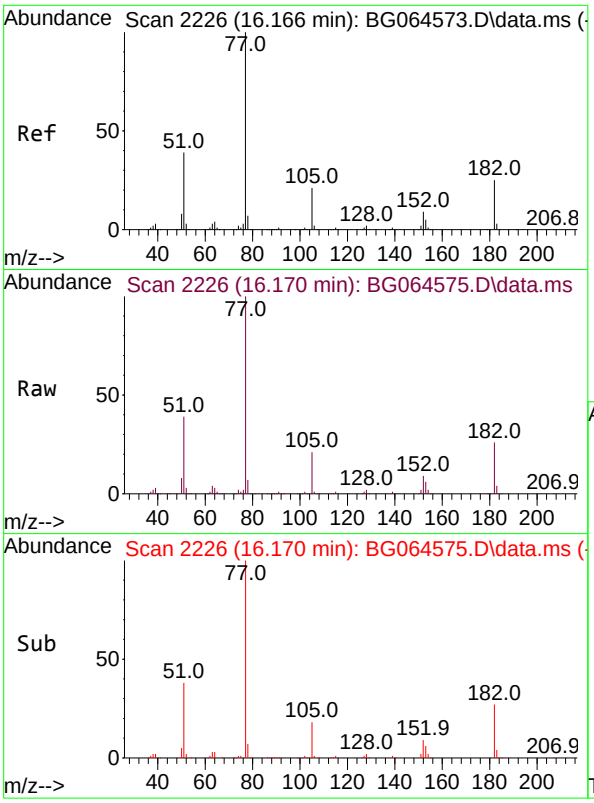


#62
4-Nitroaniline
Concen: 88.462 ng
RT: 15.894 min Scan# 2179
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:138 Resp: 173159

Ion	Ratio	Lower	Upper
138	100		
92	55.1	36.1	76.1
108	101.4	75.6	115.6

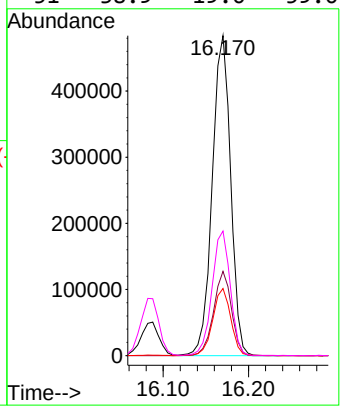




#63
Azobenzene
Concen: 75.482 ng
RT: 16.170 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 723988

Ion	Ratio	Lower	Upper
77	100		
182	26.3	4.9	44.9
105	21.0	1.3	41.3
51	38.9	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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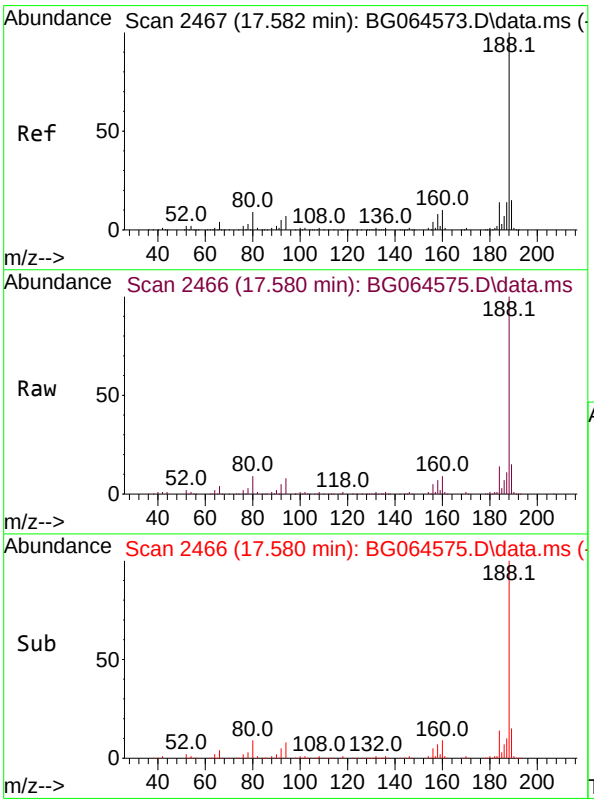
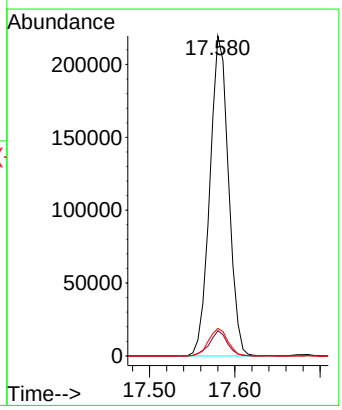
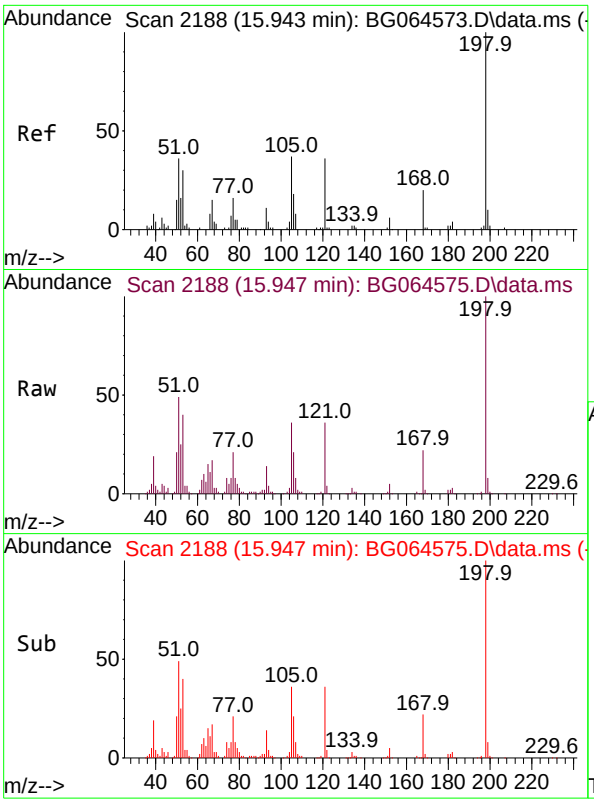


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:188 Resp: 333421

Ion	Ratio	Lower	Upper
188	100		
94	7.9	5.7	8.5
80	8.6	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 80.450 ng
RT: 15.947 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:198 Resp: 12410

Ion	Ratio	Lower	Upper
198	100		
51	49.5	24.7	64.7
105	36.3	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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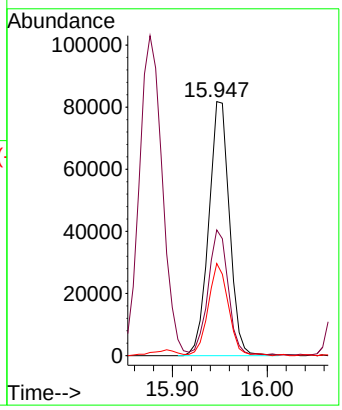
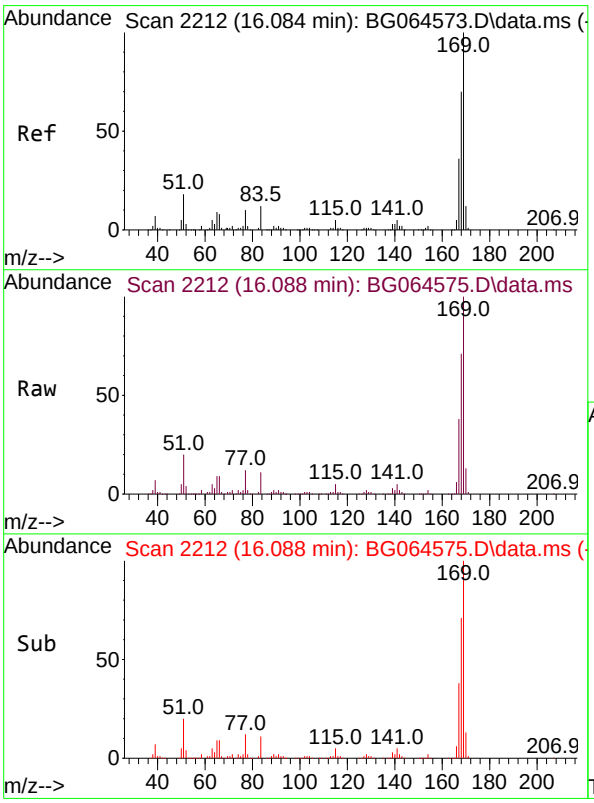
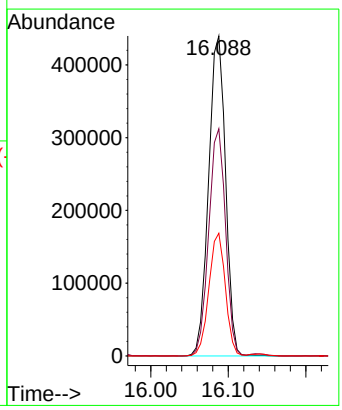


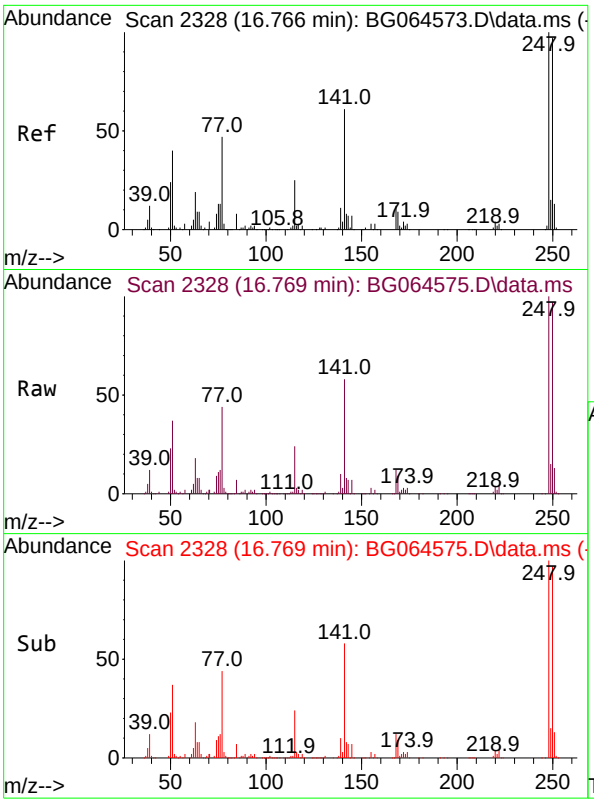


#66
n-Nitrosodiphenylamine
Concen: 74.020 ng
RT: 16.088 min Scan# 2212
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:169 Resp: 666665

Ion	Ratio	Lower	Upper
169	100		
168	71.0	56.3	84.5
167	38.3	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 75.762 ng
RT: 16.769 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:248 Resp: 299348

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.7	116.5
141	58.0	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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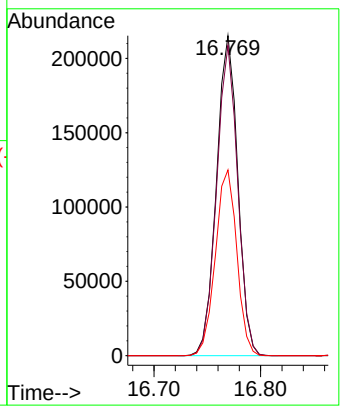
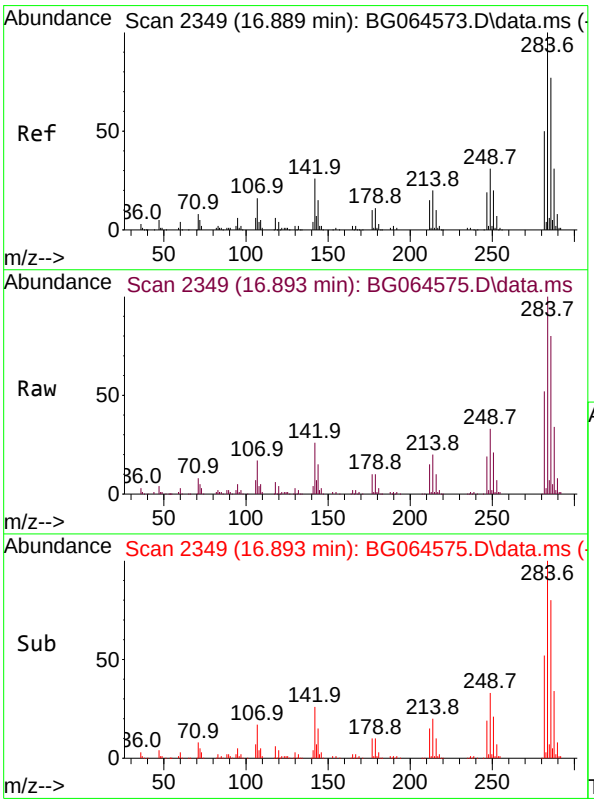
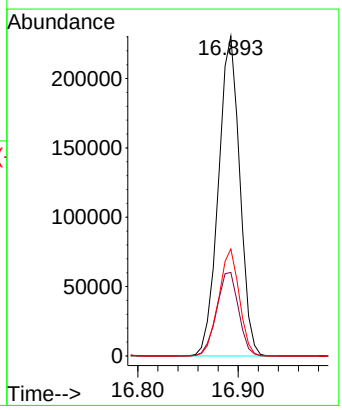


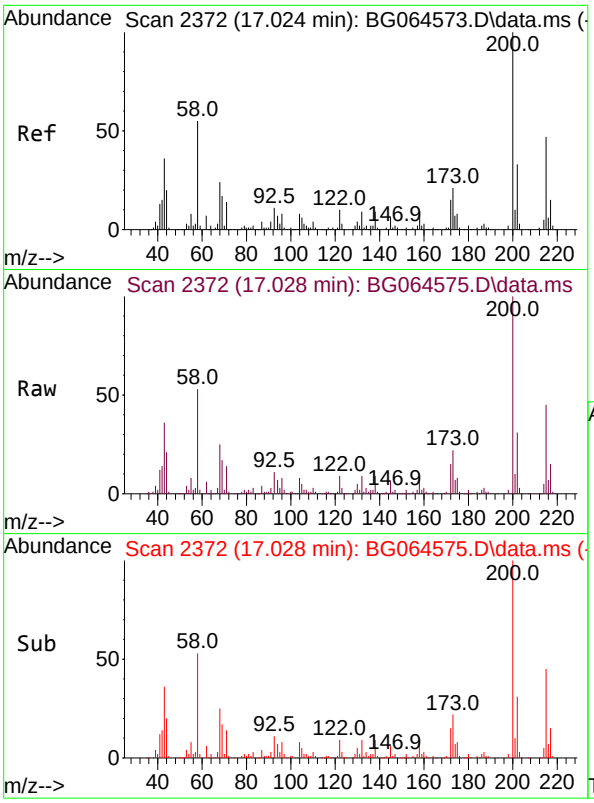


#68
Hexachlorobenzene
Concen: 75.724 ng
RT: 16.893 min Scan# 2349
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:284 Resp: 341338

Ion	Ratio	Lower	Upper
284	100		
142	26.1	21.0	31.6
249	35.4	24.9	37.3





#69
Atrazine
Concen: 72.745 ng
RT: 17.028 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:200 Resp: 281950

Ion	Ratio	Lower	Upper
200	100		
173	22.2	0.9	40.9
215	45.2	27.0	67.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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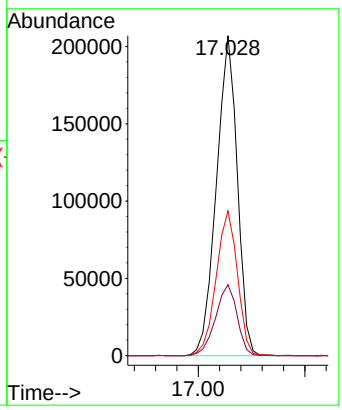
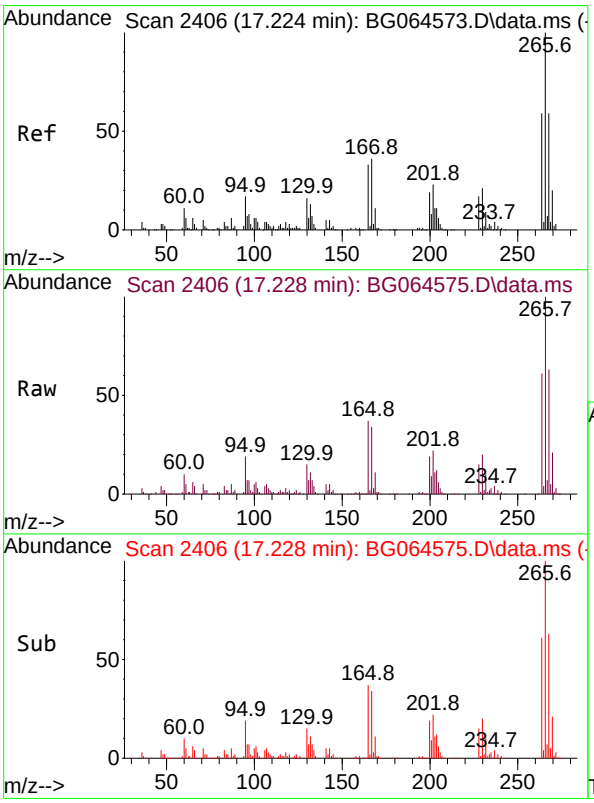
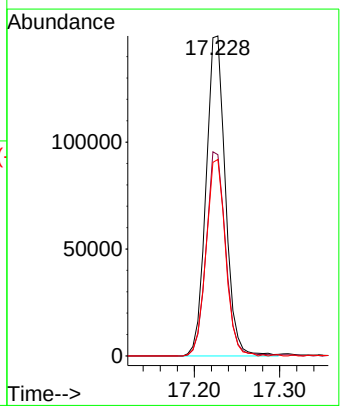


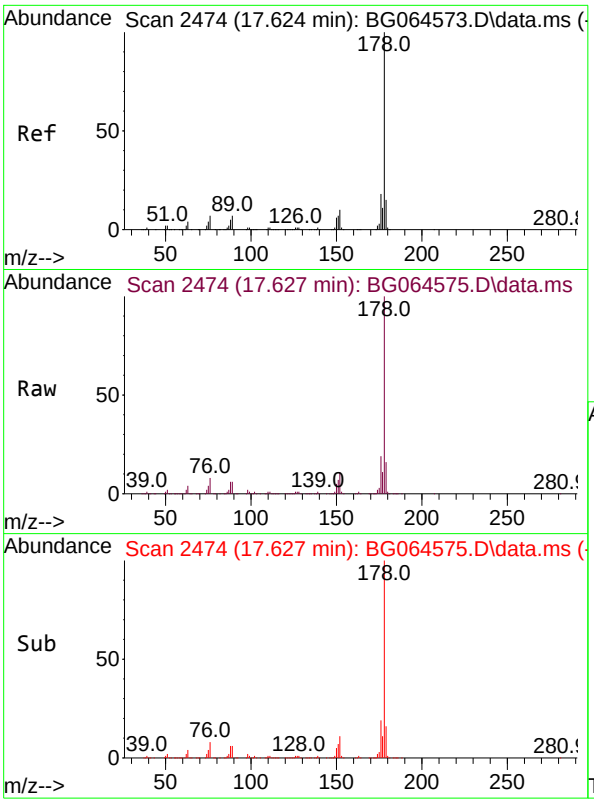


#70
Pentachlorophenol
Concen: 83.771 ng
RT: 17.228 min Scan# 2406
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:266 Resp: 235472

Ion	Ratio	Lower	Upper
266	100		
268	67.7	50.3	75.5
264	65.8	47.3	70.9





#71
Phenanthrene
Concen: 73.525 ng
RT: 17.627 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:178 Resp: 134061

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.8	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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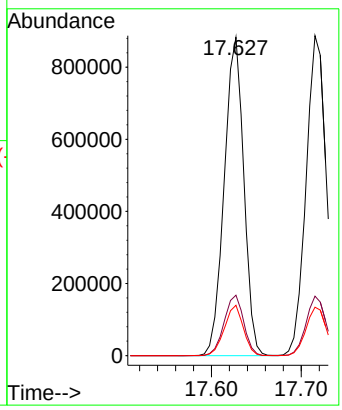
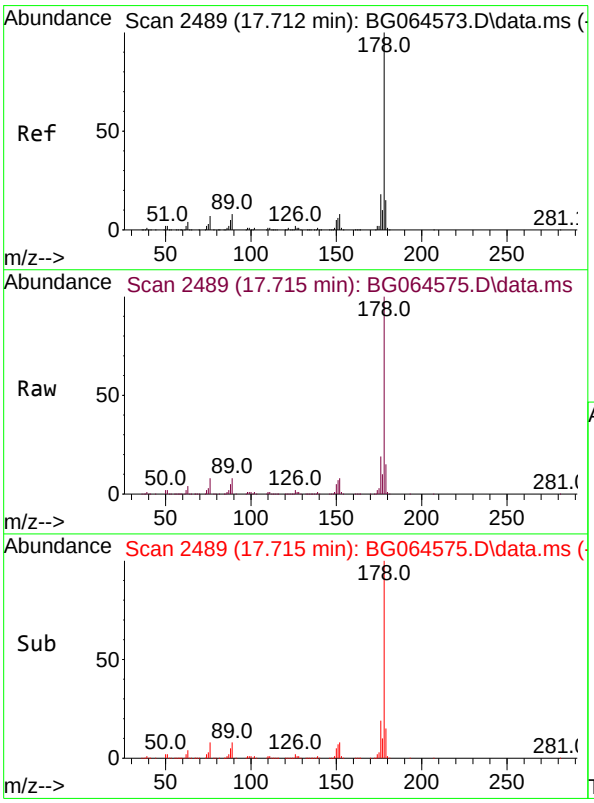
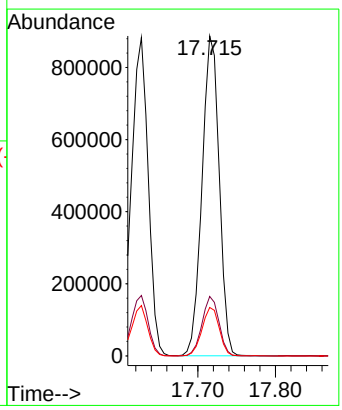


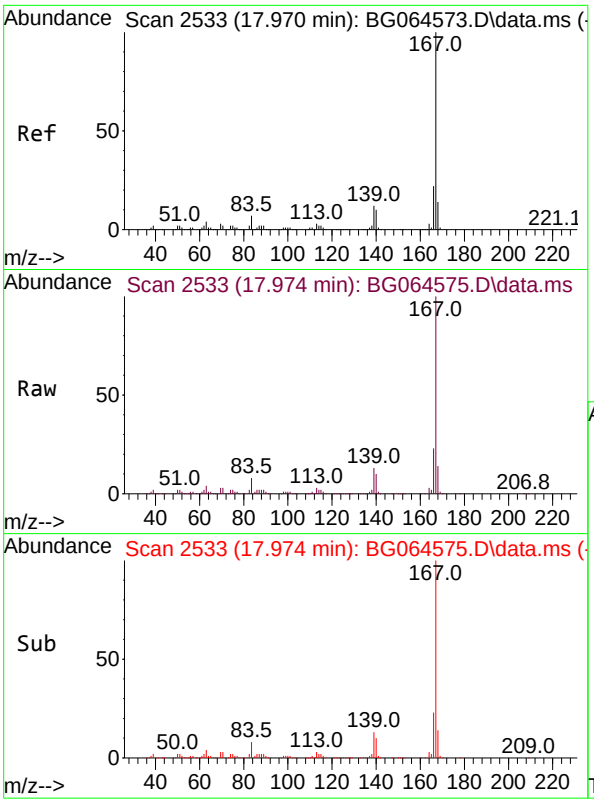


#72
Anthracene
Concen: 73.704 ng
RT: 17.715 min Scan# 2489
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:178 Resp: 1367044

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.4	21.6
179	15.1	12.4	18.6





#73
Carbazole
Concen: 73.122 ng
RT: 17.974 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:167 Resp: 119596

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.9	26.9
139	13.0	9.7	14.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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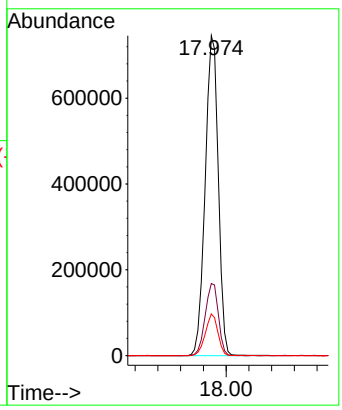
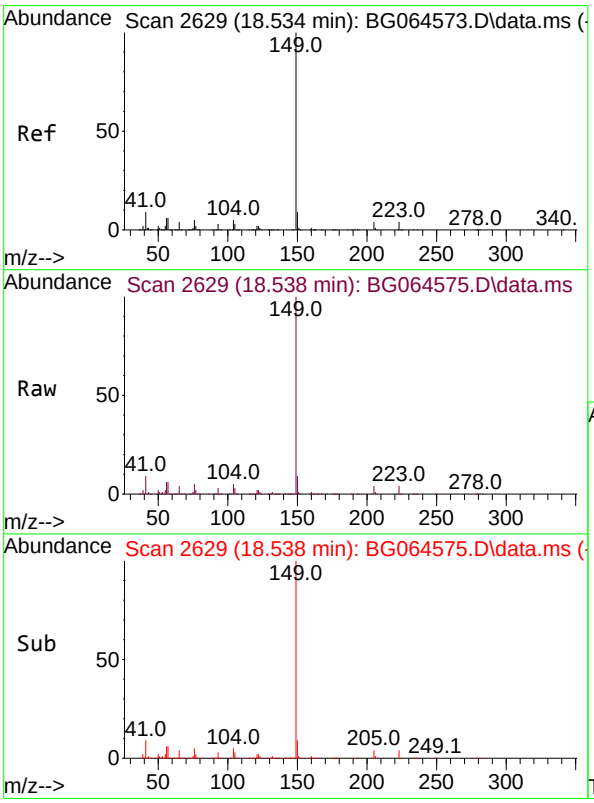
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

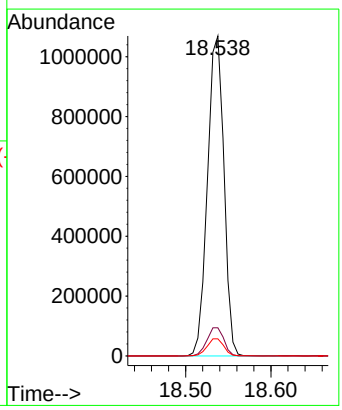


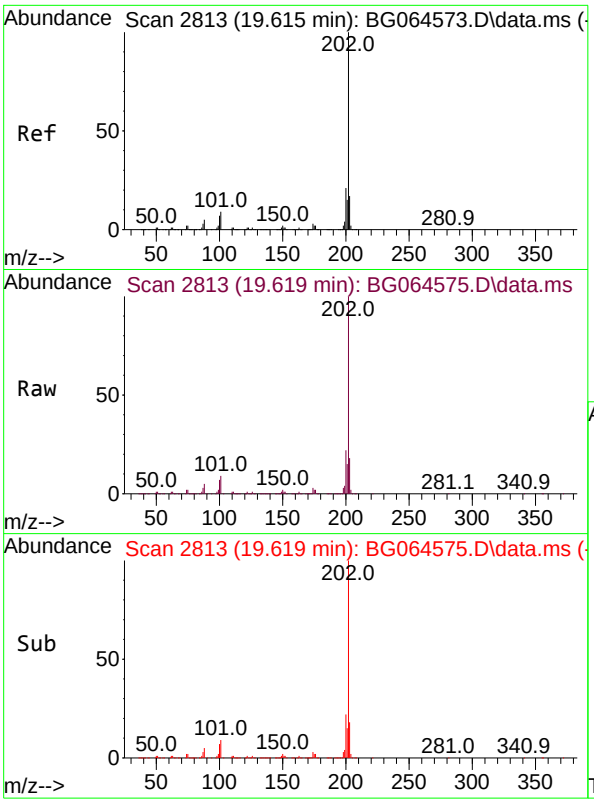


#74
Di-n-butylphthalate
Concen: 75.790 ng
RT: 18.538 min Scan# 2629
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 1433446

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1





#75
Fluoranthene
Concen: 72.835 ng
RT: 19.619 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:202 Resp: 166367

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.7
203	18.2	0.0	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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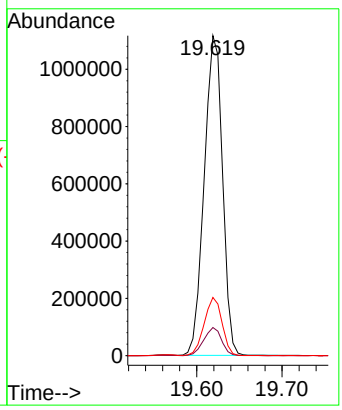
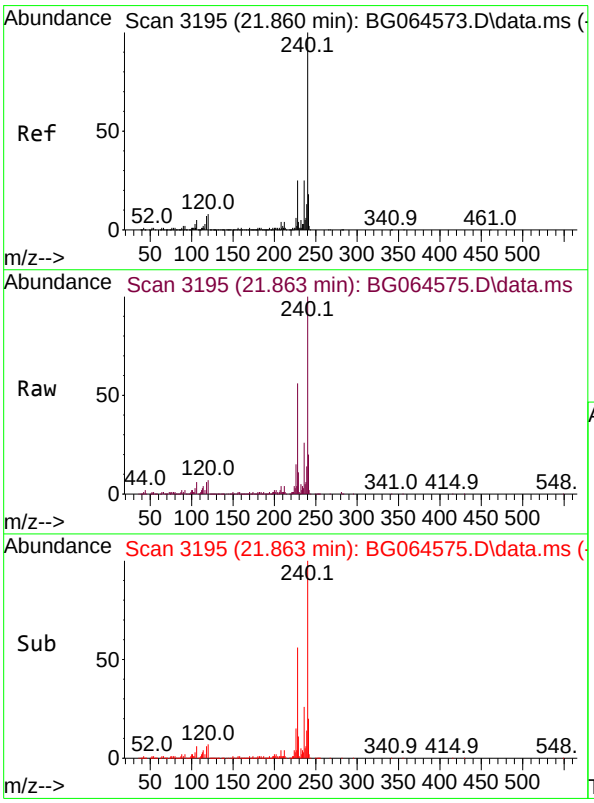
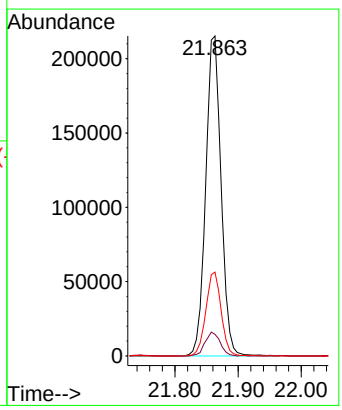


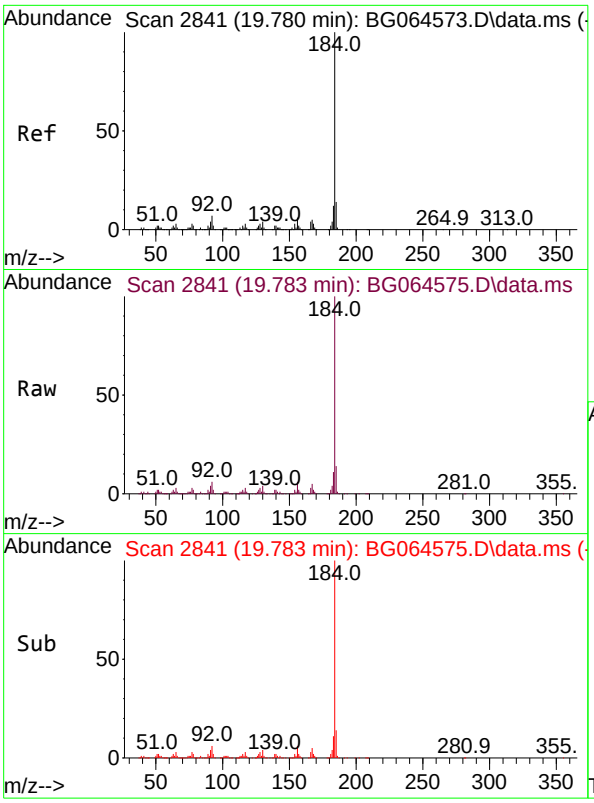


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.863 min Scan# 3195
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:240 Resp: 363291

Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.5	9.7
236	26.2	20.2	30.2





#77
Benzidine
Concen: 68.376 ng
RT: 19.783 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:184 Resp: 55652

Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.4	17.2
183	11.3	9.4	14.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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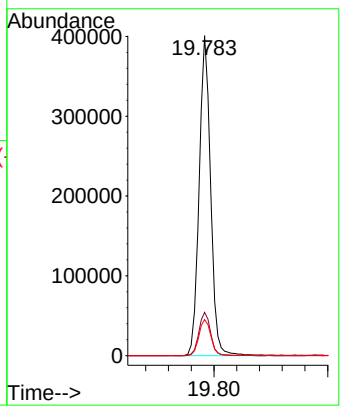
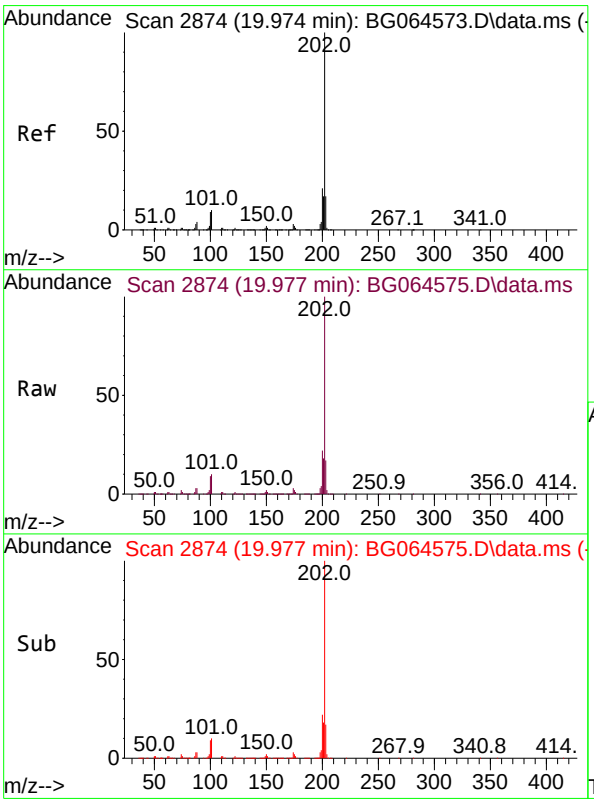
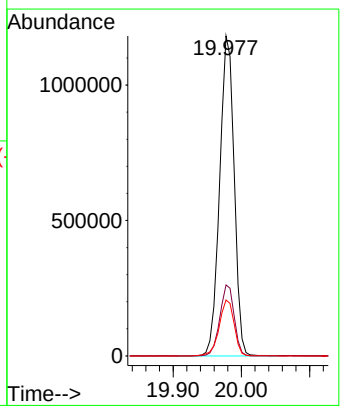


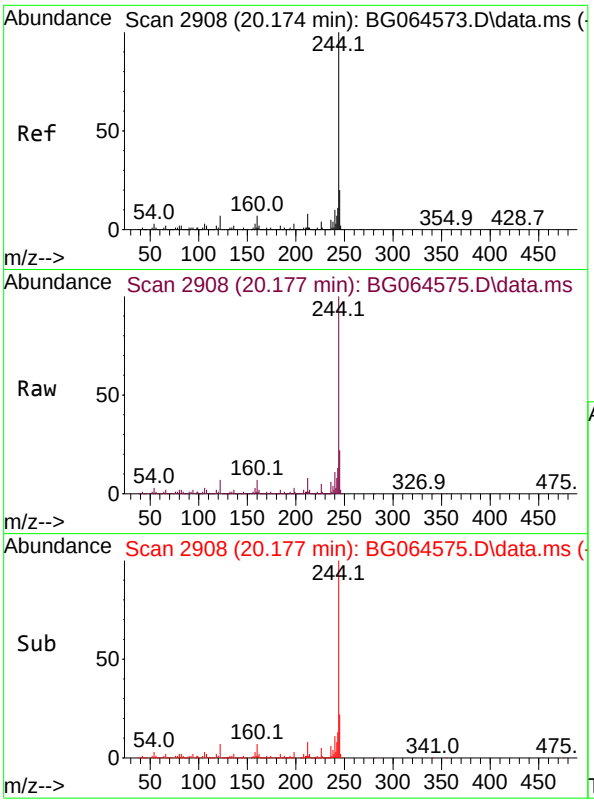


#78
Pyrene
Concen: 73.215 ng
RT: 19.977 min Scan# 2874
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:202 Resp: 1737788

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.0	25.4
203	17.5	13.8	20.6





#79
Terphenyl-d14
Concen: 140.125 ng
RT: 20.177 min Scan# 29
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:244 Resp: 269749

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.1	9.1
122	7.0	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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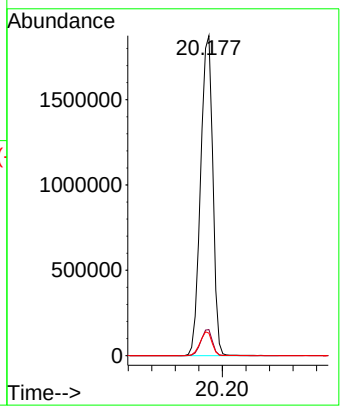
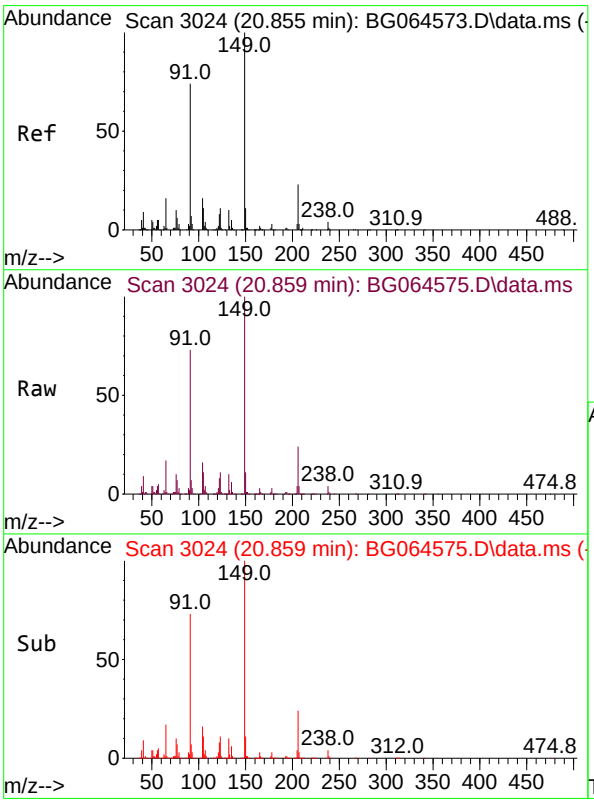
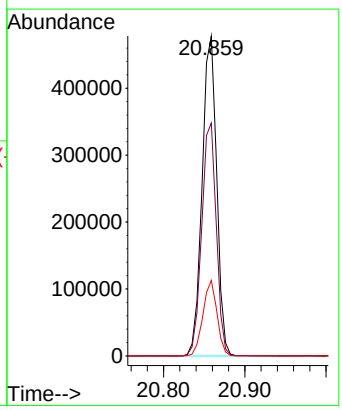


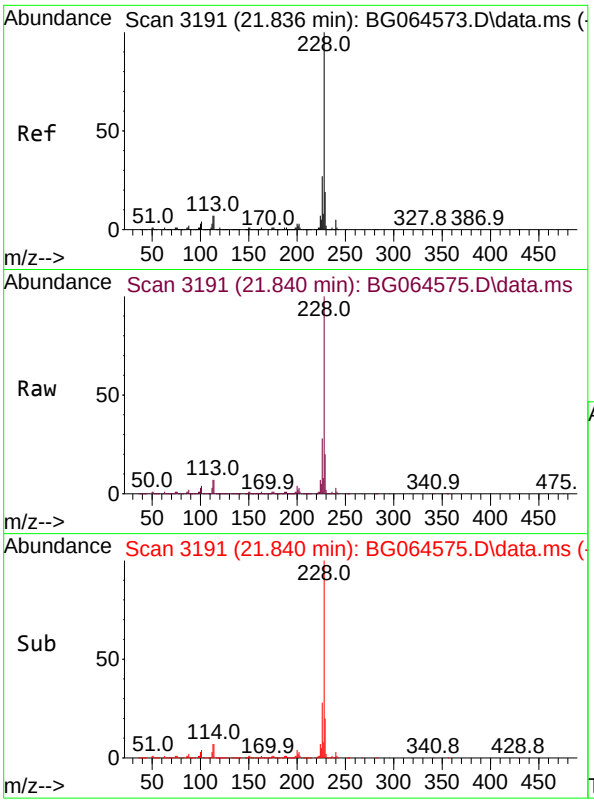


#80
Butylbenzylphthalate
Concen: 82.988 ng
RT: 20.859 min Scan# 3024
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 595333

Ion	Ratio	Lower	Upper
149	100		
91	72.8	59.2	88.8
206	23.6	18.1	27.1





#81
Benzo(a)anthracene
Concen: 74.959 ng
RT: 21.840 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:228 Resp: 180562

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	20.1	15.6	23.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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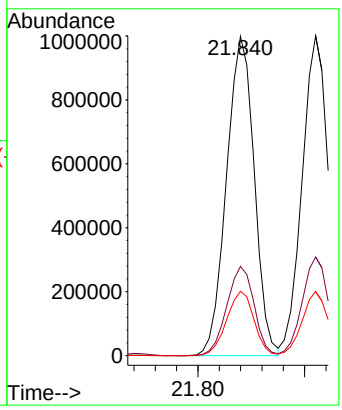
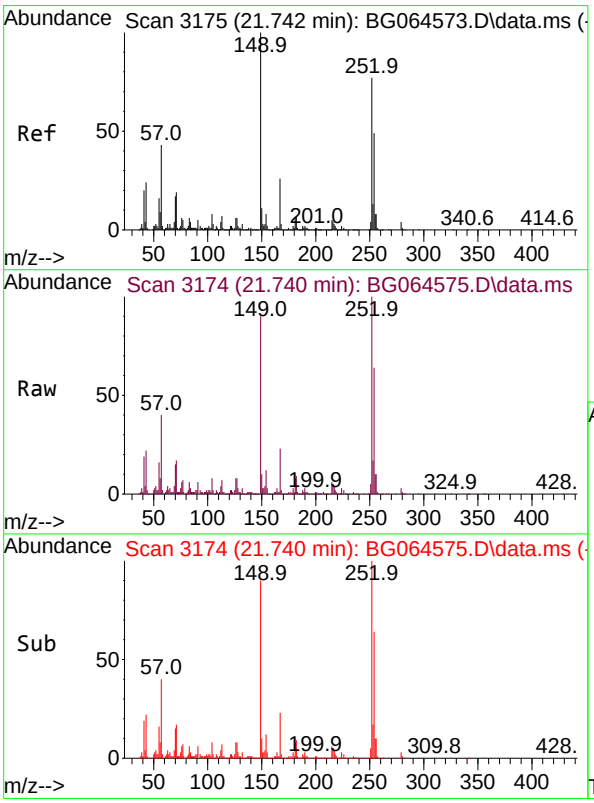
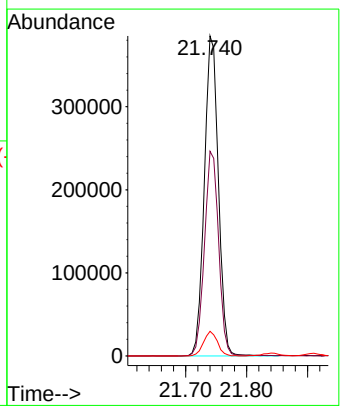


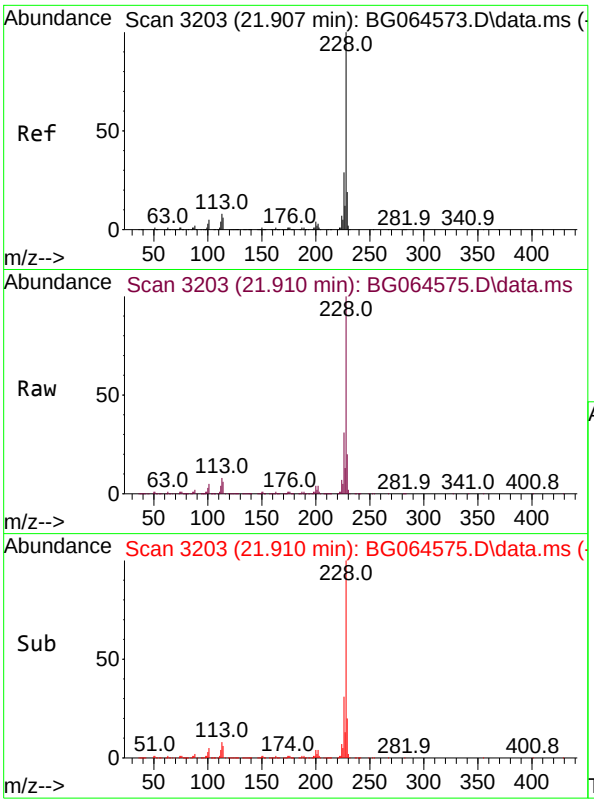


#82
3,3'-Dichlorobenzidine
Concen: 76.524 ng
RT: 21.740 min Scan# 3174
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 615546

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.8	76.2
126	7.7	5.8	8.6





#83
Chrysene
Concen: 74.368 ng
RT: 21.910 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:228 Resp: 170453

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.3	34.9
229	20.0	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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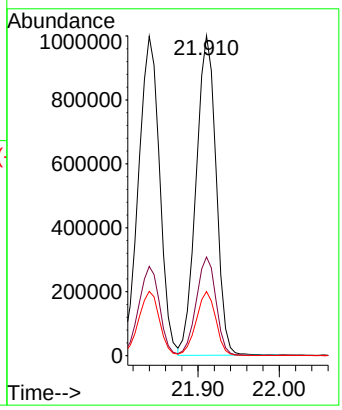
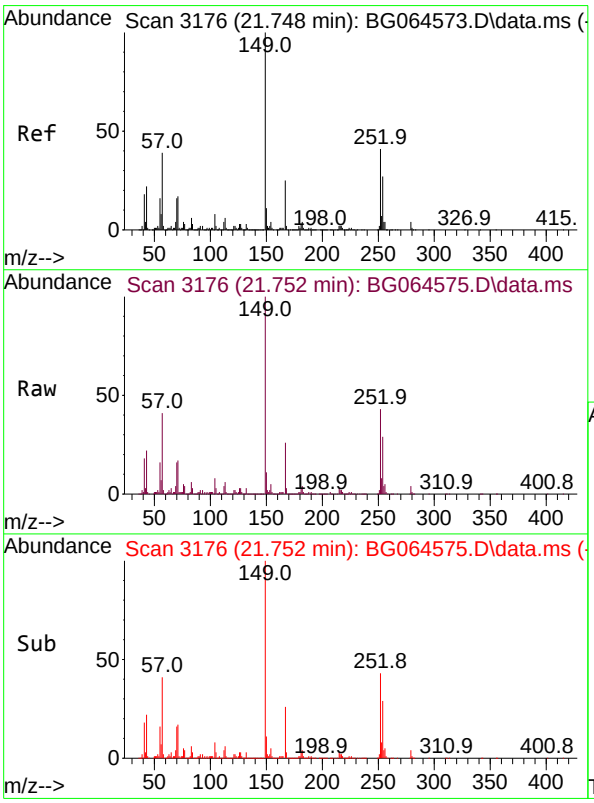
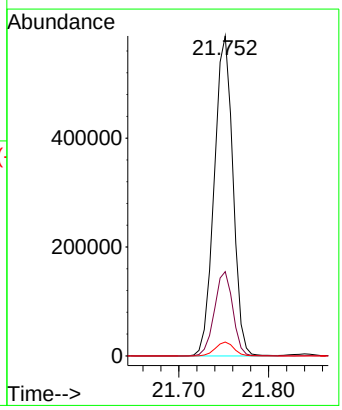


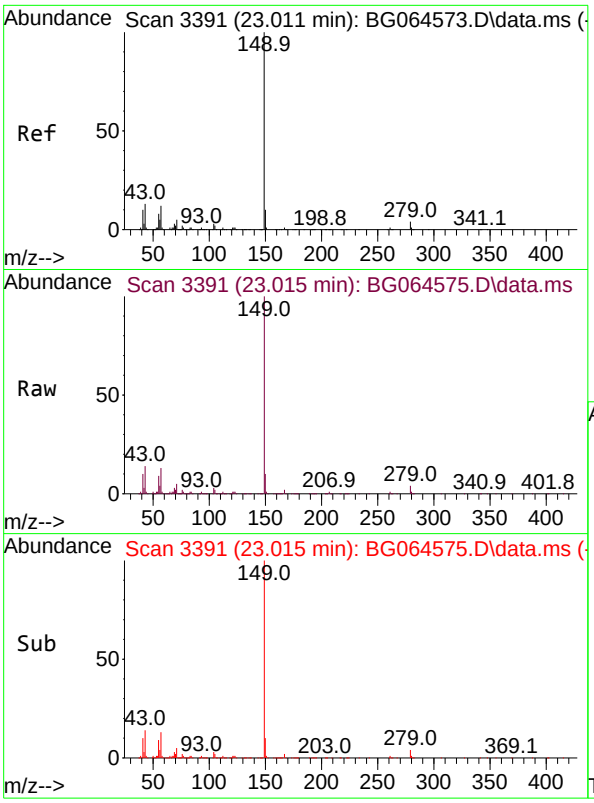


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.672 ng
RT: 21.752 min Scan# 3176
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 854027

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.0	30.0
279	4.3	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 79.289 ng
RT: 23.015 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 143295

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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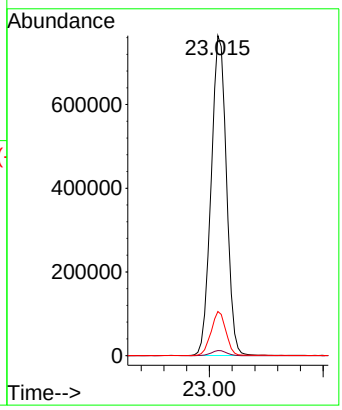
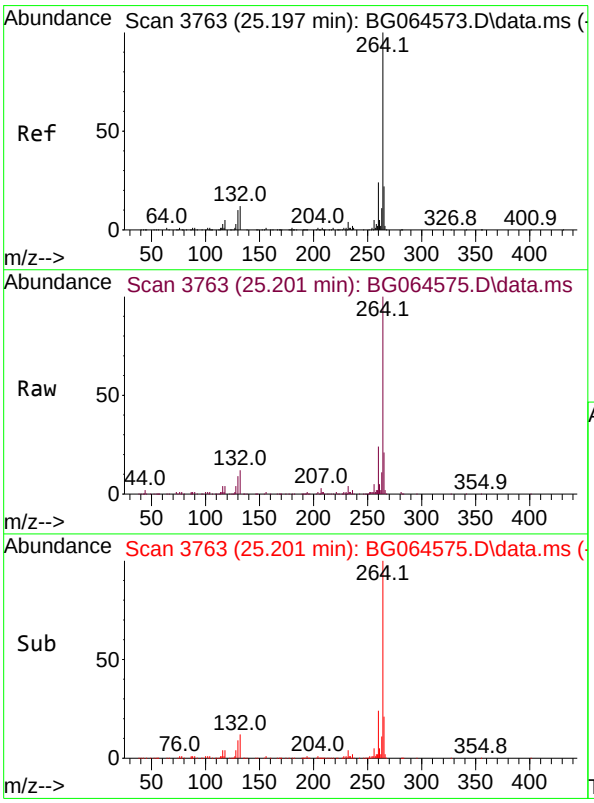
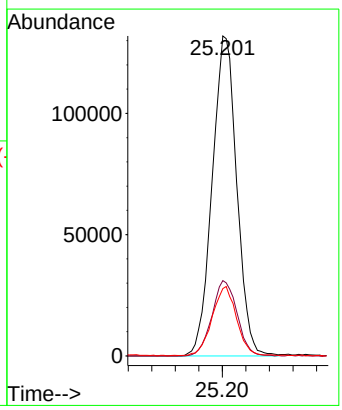


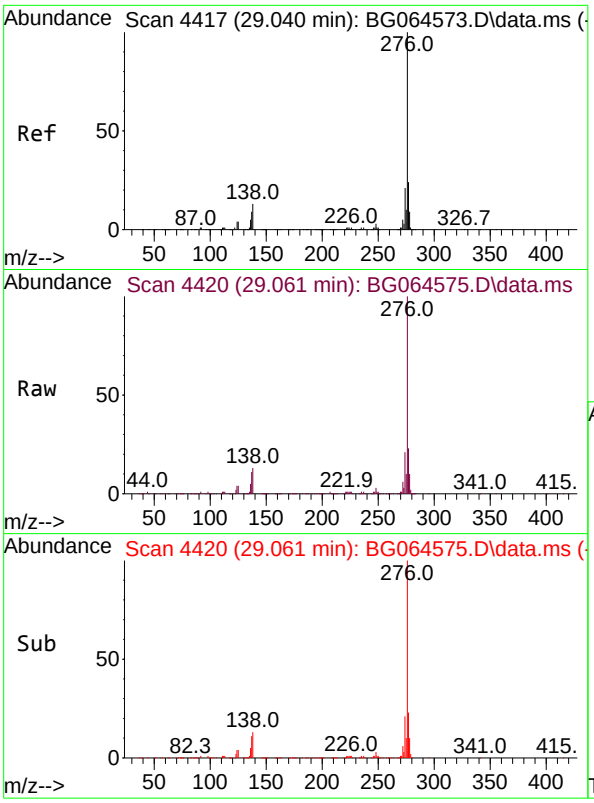


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.201 min Scan# 3763
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:264 Resp: 382372

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.0	17.6	26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 76.663 ng
RT: 29.061 min Scan# 44
Delta R.T. 0.021 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:276 Resp: 215642

Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.8	16.2
277	25.2	20.1	30.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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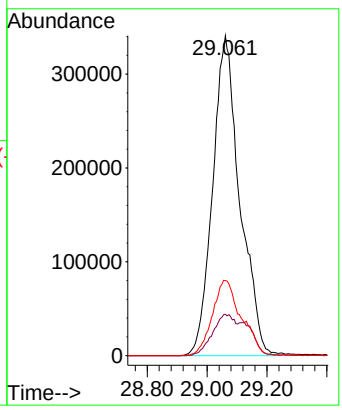
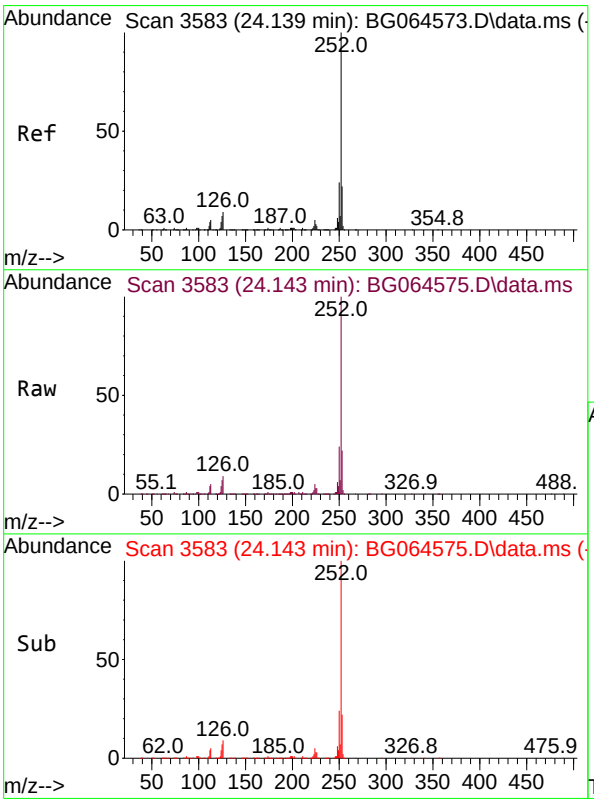
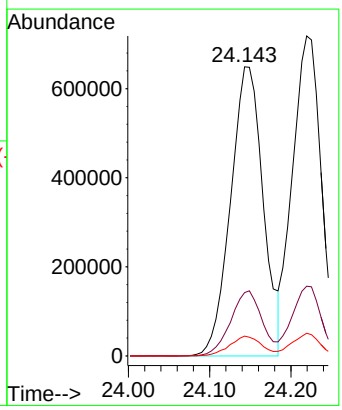


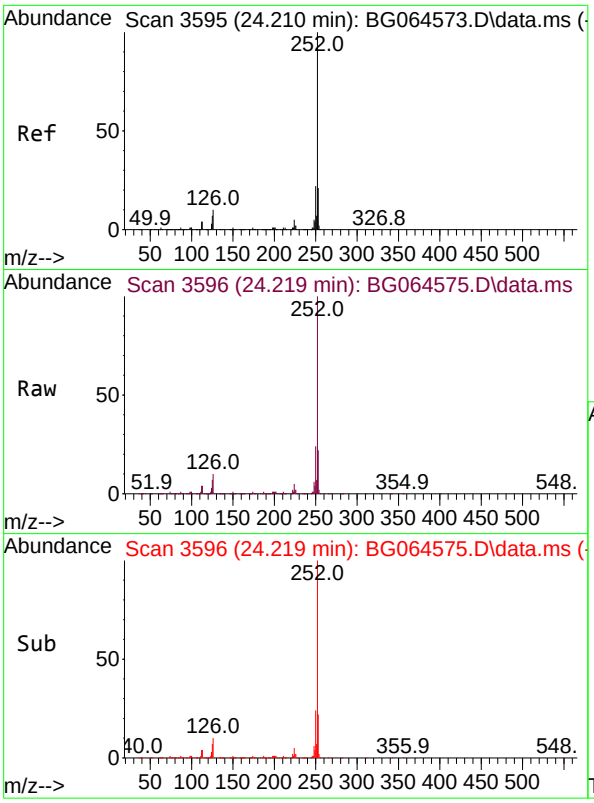


#88
Benzo(b)fluoranthene
Concen: 77.199 ng
RT: 24.143 min Scan# 3583
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 1810094

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	6.8	5.6	8.4





#89
Benzo(k)fluoranthene
Concen: 74.916 ng
RT: 24.219 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 175775

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.8	25.2
125	7.1	5.4	8.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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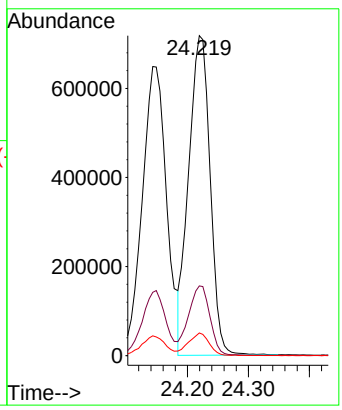
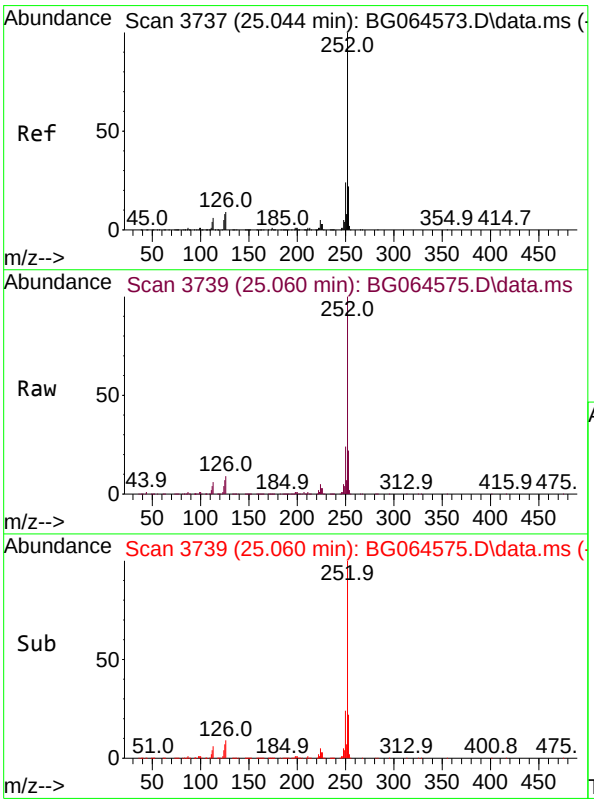
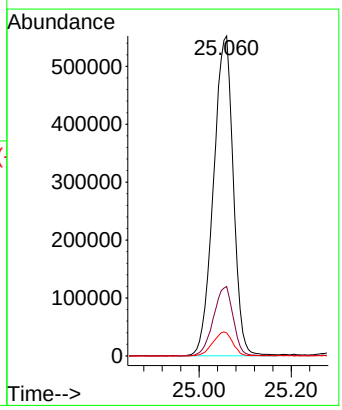


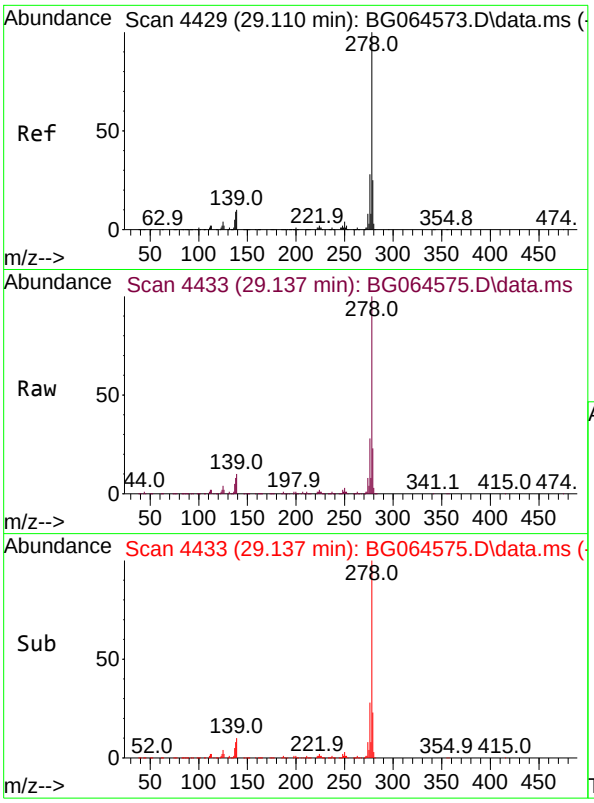


#90
Benzo(a)pyrene
Concen: 76.546 ng
RT: 25.060 min Scan# 3739
Delta R.T. 0.015 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 1649779

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	7.2	6.1	9.1





#91
Dibenzo(a,h)anthracene
Concen: 76.486 ng
RT: 29.137 min Scan# 44
Delta R.T. 0.027 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:278 Resp: 1747890

Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	23.0	19.8	29.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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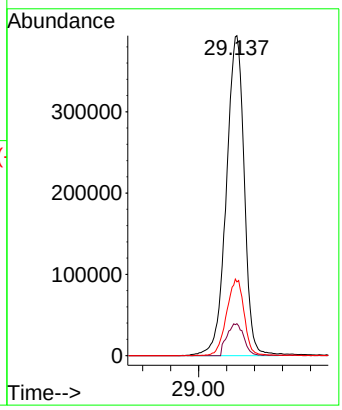
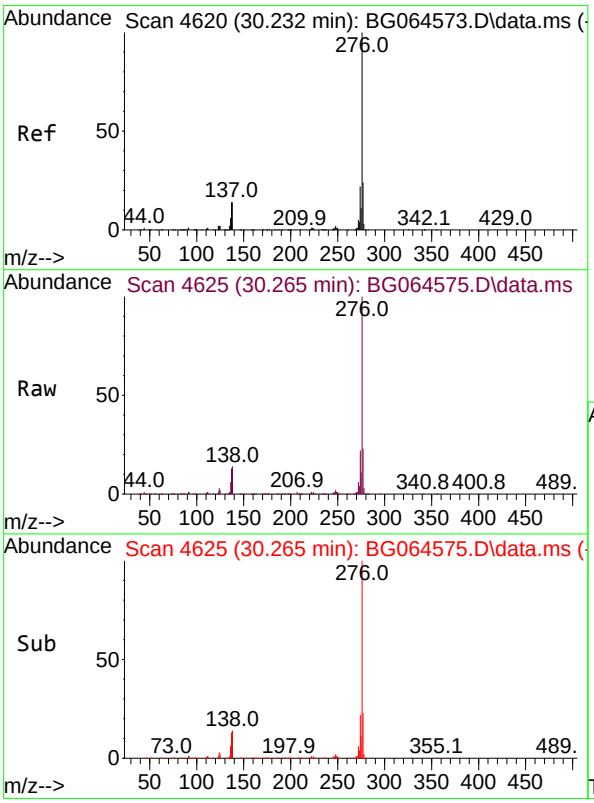
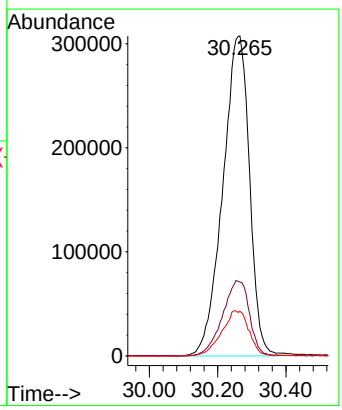




#92
Benzo(g,h,i)perylene
Concen: 76.498 ng
RT: 30.265 min Scan# 4625
Delta R.T. 0.033 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:276 Resp: 1669976

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.1	28.7
138	13.9	11.3	16.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 03 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.224	152	43774	20.000	ng		0.00
21) Naphthalene-d8	11.050	136	182273	20.000	ng		0.00
39) Acenaphthene-d10	14.846	164	142032	20.000	ng		0.00
64) Phenanthrene-d10	17.584	188	343365	20.000	ng		0.00
76) Chrysene-d12	21.861	240	367592	20.000	ng		0.00
86) Perylene-d12	25.210	264	385865	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	249333	95.606	ng		0.00
7) Phenol-d6	7.354	99	349586	97.687	ng		0.00
23) Nitrobenzene-d5	9.387	82	324249	106.847	ng		0.00
42) 2,4,6-Tribromophenol	16.326	330	207294	101.122	ng		0.00
45) 2-Fluorobiphenyl	13.477	172	877315	93.626	ng		0.00
79) Terphenyl-d14	20.175	244	1814661	93.162	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	51872	44.926	ng		99
3) Pyridine	3.999	79	161000	46.434	ng		96
4) n-Nitrosodimethylamine	3.905	42	85377	45.917	ng		92
6) Aniline	7.536	93	228687	46.963	ng		99
8) 2-Chlorophenol	7.777	128	134062	49.112	ng		96
9) Benzaldehyde	7.343	77	91457	46.812	ng		96
10) Phenol	7.384	94	192663	48.681	ng		98
11) bis(2-Chloroethyl)ether	7.630	93	139360	47.894	ng		95
12) 1,3-Dichlorobenzene	8.112	146	146905	46.758	ng		98
13) 1,4-Dichlorobenzene	8.259	146	151083	47.293	ng		93
14) 1,2-Dichlorobenzene	8.582	146	143986	46.729	ng		96
15) Benzyl Alcohol	8.447	79	142880	48.417	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.741	45	361264	47.332	ng		99
17) 2-Methylphenol	8.653	107	126868	48.282	ng		94
18) Hexachloroethane	9.328	117	54330	48.463	ng		94
19) n-Nitroso-di-n-propyla...	9.029	70	122051	49.350	ng		97
20) 3+4-Methylphenols	8.982	107	176415	47.740	ng		99
22) Acetophenone	9.046	105	234956	47.155	ng	#	100
24) Nitrobenzene	9.428	77	171837	52.060	ng		96
25) Isophorone	9.957	82	348174	47.813	ng		97
26) 2-Nitrophenol	10.145	139	61611	48.353	ng		90
27) 2,4-Dimethylphenol	10.198	122	135402	49.988	ng		96
28) bis(2-Chloroethoxy)met...	10.439	93	194038	46.800	ng		99
29) 2,4-Dichlorophenol	10.680	162	148850	51.062	ng		94
30) 1,2,4-Trichlorobenzene	10.909	180	159207	48.068	ng		94
31) Naphthalene	11.103	128	471891	46.695	ng		98
32) Benzoic acid	10.321	122	97970m	47.410	ng		
33) 4-Chloroaniline	11.191	127	186814	47.560	ng		98
34) Hexachlorobutadiene	11.397	225	123596	47.716	ng		98
35) Caprolactam	11.961	113	53689	48.020	ng	#	93
36) 4-Chloro-3-methylphenol	12.296	107	171120	48.836	ng		98
37) 2-Methylnaphthalene	12.695	142	351946	47.435	ng		97
38) 1-Methylnaphthalene	12.913	142	342687	46.666	ng		95
40) 1,2,4,5-Tetrachloroben...	13.054	216	224658	47.131	ng		99
41) Hexachlorocyclopentadiene	13.042	237	105411	49.131	ng		98
43) 2,4,6-Trichlorophenol	13.283	196	141505	51.898	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.353	196	157315	49.997 ng		96
46) 1,1'-Biphenyl	13.688	154	470676	46.613 ng		99
47) 2-Chloronaphthalene	13.729	162	359811	47.208 ng		99
48) 2-Nitroaniline	13.911	65	121908	47.668 ng		92
49) Acenaphthylene	14.569	152	565771	47.060 ng		99
50) Dimethylphthalate	14.293	163	519303	47.781 ng		99
51) 2,6-Dinitrotoluene	14.405	165	86665	48.306 ng		99
52) Acenaphthene	14.910	154	388012	47.239 ng		99
53) 3-Nitroaniline	14.734	138	99748	53.405 ng		96
54) 2,4-Dinitrophenol	14.928	184	49318	47.268 ng		89
55) Dibenzofuran	15.239	168	615553	46.355 ng		99
56) 4-Nitrophenol	15.016	139	88609	51.169 ng		95
57) 2,4-Dinitrotoluene	15.186	165	132374	47.759 ng	#	99
58) Fluorene	15.891	166	481625	46.441 ng		99
59) 2,3,4,6-Tetrachlorophenol	15.457	232	157783	52.440 ng		99
60) Diethylphthalate	15.650	149	527594	47.543 ng		100
61) 4-Chlorophenyl-phenyle...	15.880	204	271068	46.576 ng		98
62) 4-Nitroaniline	15.891	138	110067	52.970 ng		98
63) Azobenzene	16.168	77	475203	46.671 ng		99
65) 4,6-Dinitro-2-methylph...	15.944	198	71672	47.500 ng		95
66) n-Nitrosodiphenylamine	16.085	169	444824	47.959 ng		99
67) 4-Bromophenyl-phenylether	16.773	248	196226	48.225 ng		96
68) Hexachlorobenzene	16.890	284	223018	48.043 ng		94
69) Atrazine	17.025	200	187862	47.066 ng		96
70) Pentachlorophenol	17.225	266	147427	50.930 ng		95
71) Phenanthrene	17.625	178	875415	46.621 ng		99
72) Anthracene	17.719	178	893629	46.785 ng		99
73) Carbazole	17.977	167	781031	46.370 ng		100
74) Di-n-butylphthalate	18.535	149	930281	47.762 ng		100
75) Fluoranthene	19.622	202	1092855	46.459 ng		99
77) Benzidine	19.787	184	382418	46.435 ng		100
78) Pyrene	19.981	202	1133345	47.190 ng		99
80) Butylbenzylphthalate	20.856	149	374611	51.609 ng		100
81) Benzo(a)anthracene	21.843	228	1151242	47.234 ng		99
82) 3,3'-Dichlorobenzidine	21.743	252	389240	47.824 ng		97
83) Chrysene	21.908	228	1091456	47.062 ng		98
84) Bis(2-ethylhexyl)phtha...	21.749	149	537716	49.576 ng		98
85) Di-n-octyl phthalate	23.018	149	896763	49.039 ng		99
87) Indeno(1,2,3-cd)pyrene	29.052	276	1346188	47.425 ng		97
88) Benzo(b)fluoranthene	24.146	252	1131250	47.810 ng		100
89) Benzo(k)fluoranthene	24.217	252	1110490	46.901 ng		98
90) Benzo(a)pyrene	25.051	252	1029605	47.339 ng		99
91) Dibenzo(a,h)anthracene	29.129	278	1090407	47.283 ng		99
92) Benzo(g,h,i)perylene	30.245	276	1039447	47.184 ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

ICAL Form

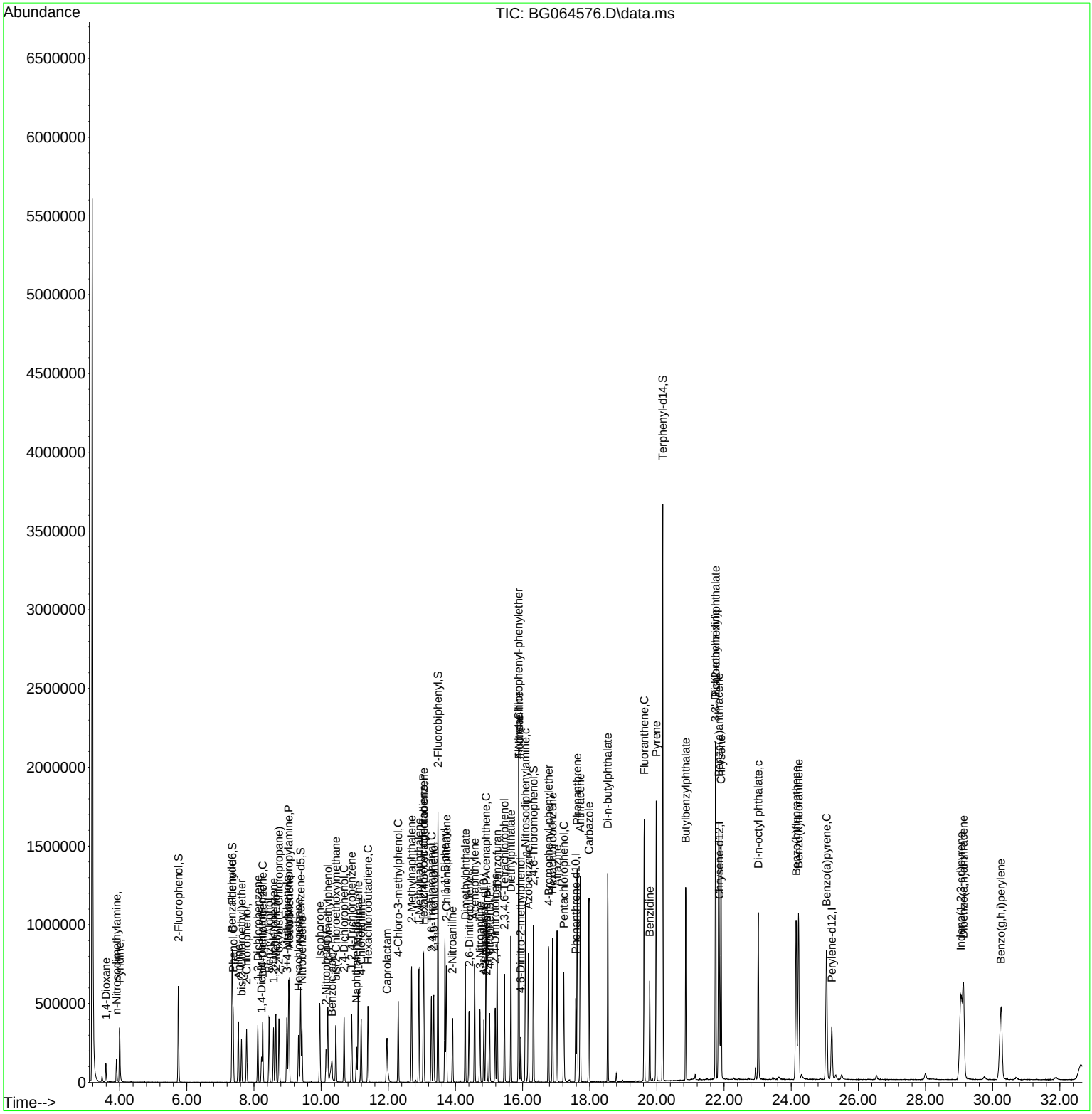
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

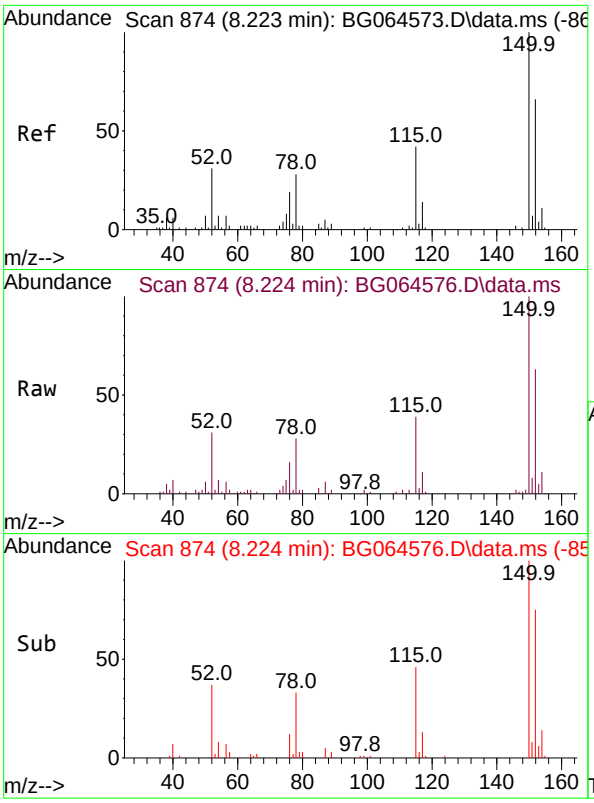
Quant Time: Nov 03 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

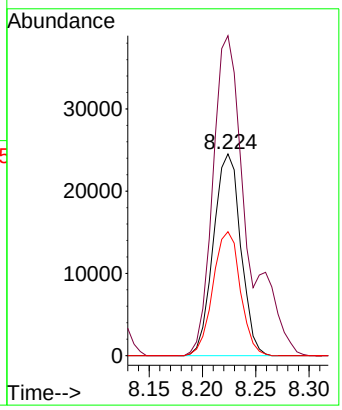
Tgt Ion:152 Resp: 4377

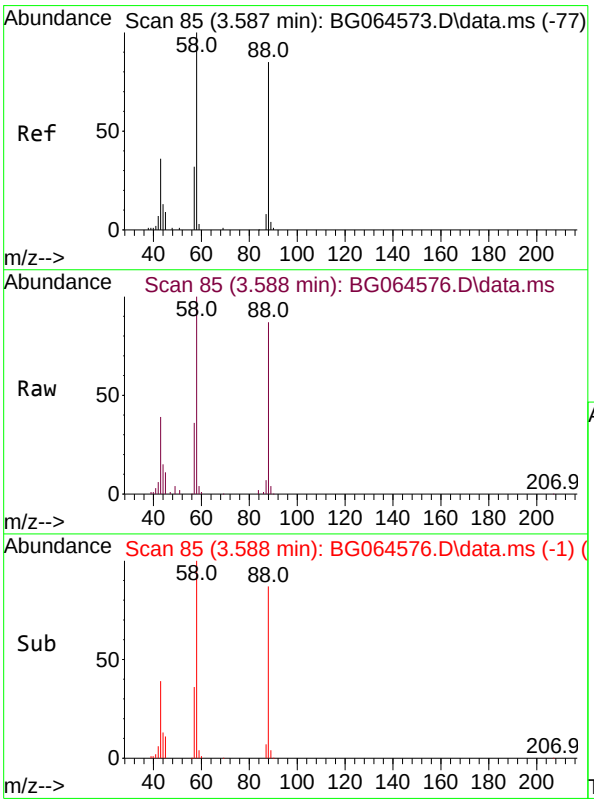
Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.2	183.4
115	61.5	50.8	76.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

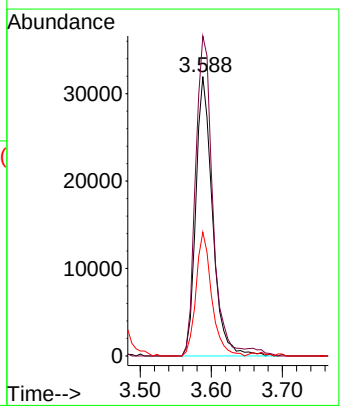


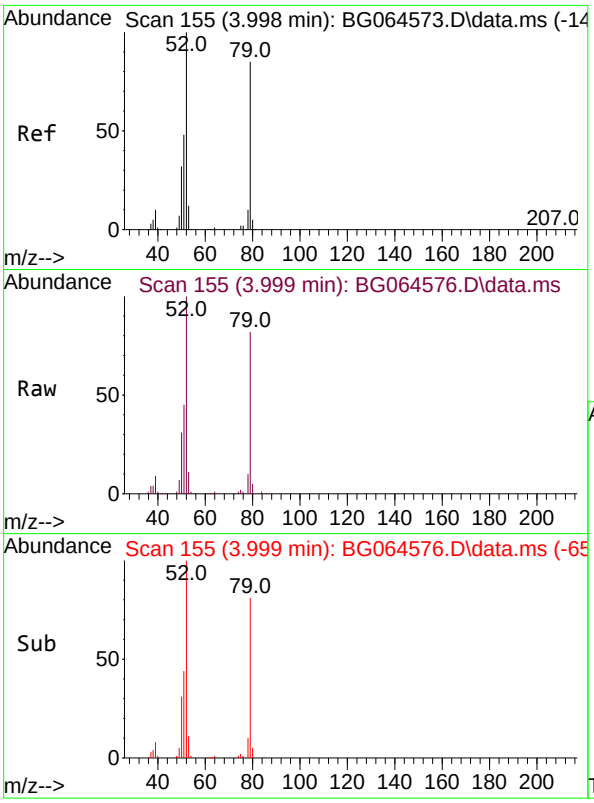


#2
1,4-Dioxane
Concen: 44.926 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 88 Resp: 51872

Ion	Ratio	Lower	Upper
88	100		
58	116.7	92.4	138.6
43	41.6	33.0	49.6





#3
Pyridine
Concen: 46.434 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

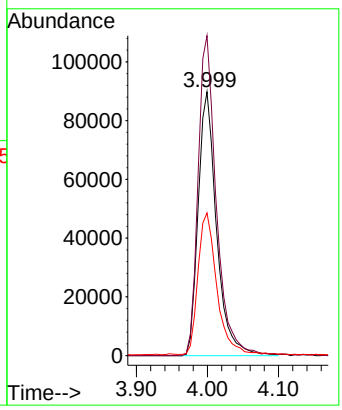
Tgt Ion: 79 Resp: 161000

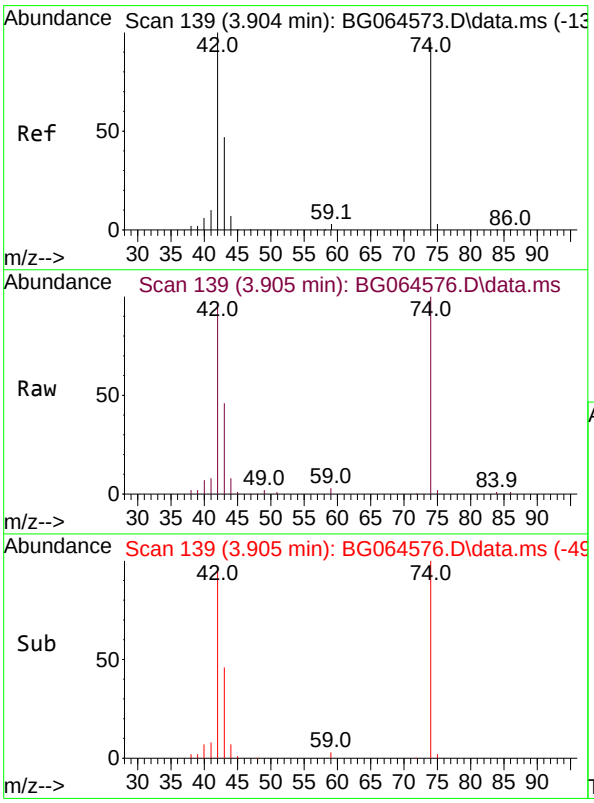
Ion	Ratio	Lower	Upper
79	100		
52	121.3	94.2	141.2
51	54.1	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

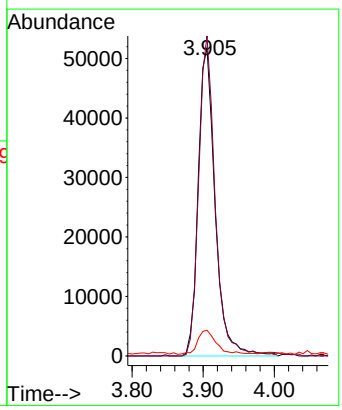


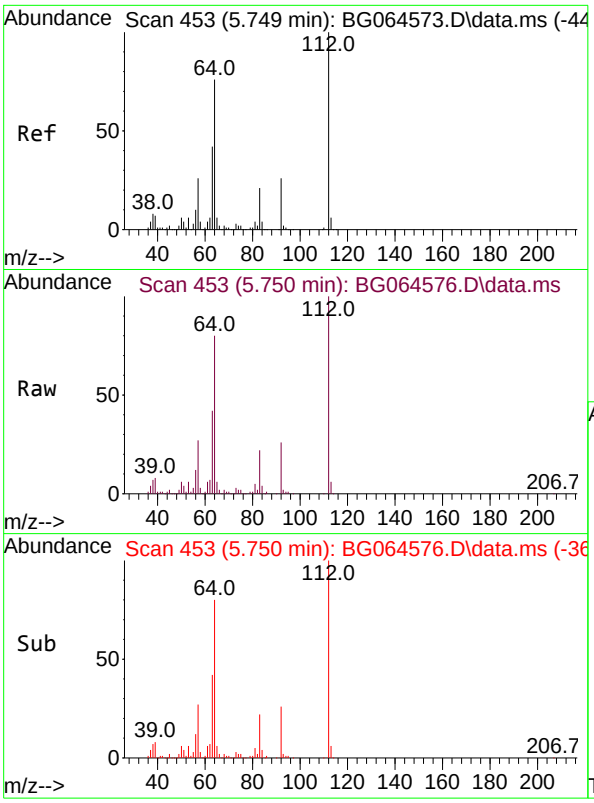


#4
n-Nitrosodimethylamine
Concen: 45.917 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 42 Resp: 85377

Ion	Ratio	Lower	Upper
42	100		
74	103.9	76.1	114.1
44	8.4	6.3	9.5





#5
2-Fluorophenol
Concen: 95.606 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

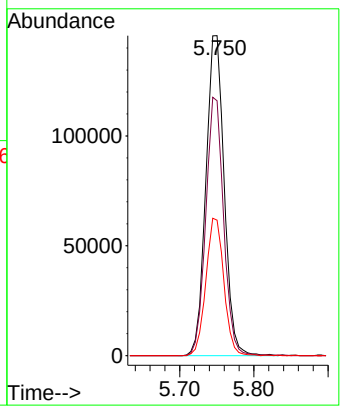
Tgt Ion:112 Resp: 24933

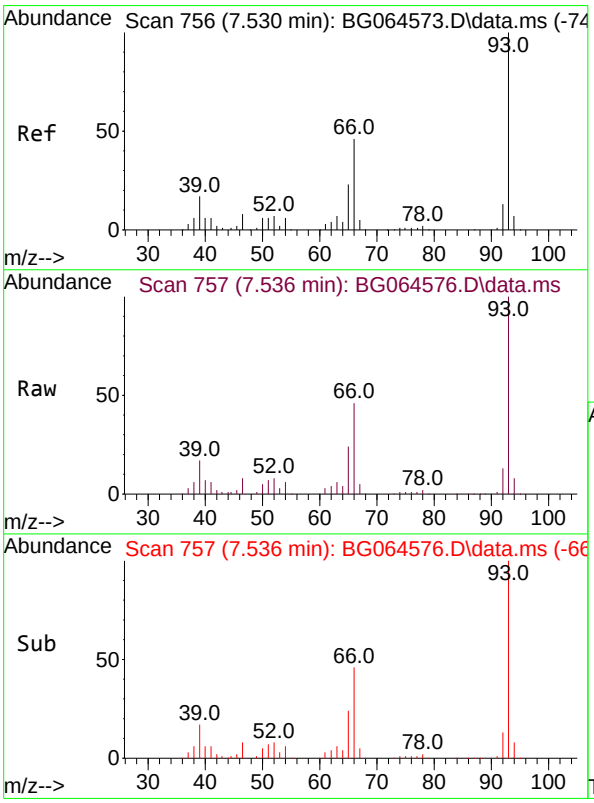
Ion	Ratio	Lower	Upper
112	100		
64	79.6	60.7	91.1
63	42.3	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

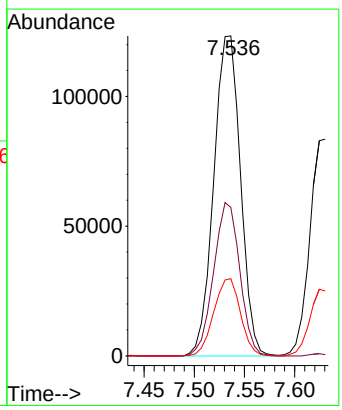


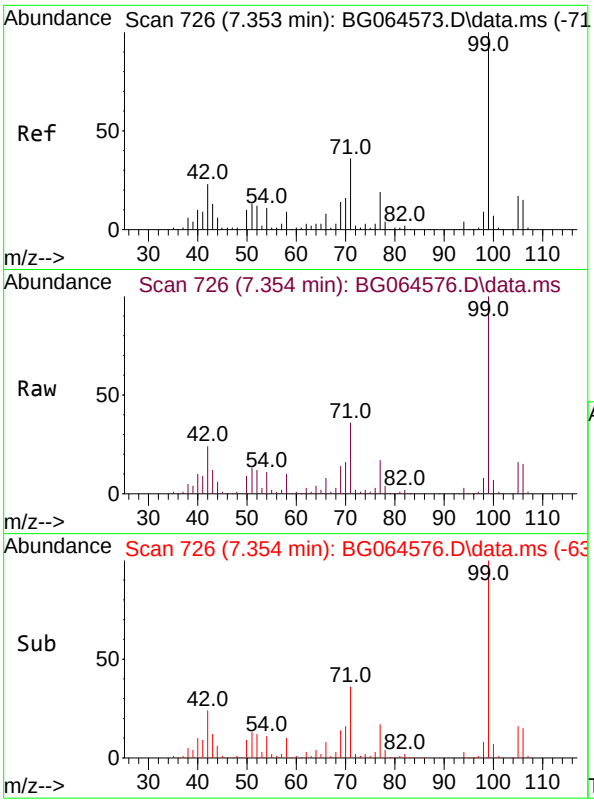


#6
Aniline
Concen: 46.963 ng
RT: 7.536 min Scan# 757
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 228687

Ion	Ratio	Lower	Upper
93	100		
66	46.4	37.0	55.6
65	24.1	18.3	27.5





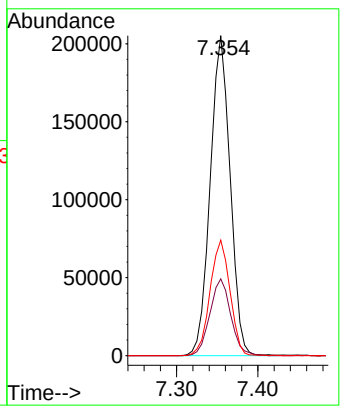
#7
Phenol-d6
Concen: 97.687 ng
RT: 7.354 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

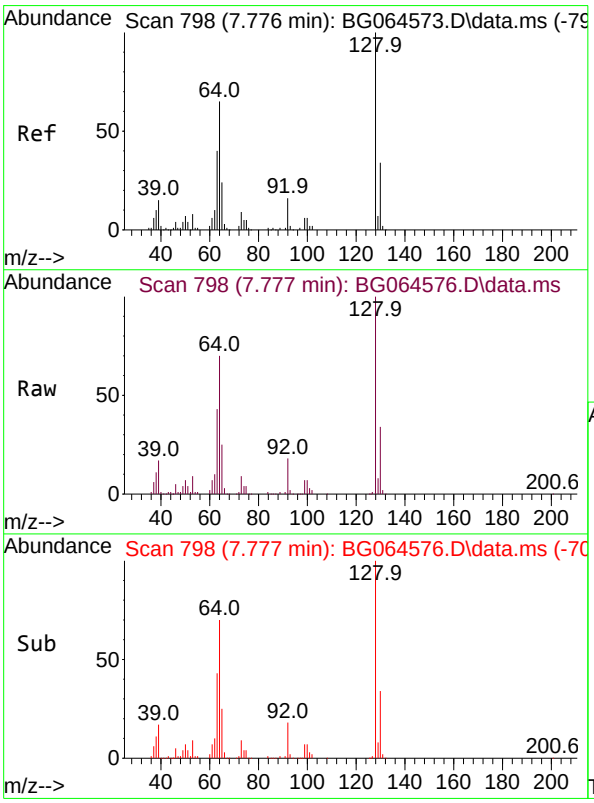
Tgt Ion: 99 Resp: 34958

Ion	Ratio	Lower	Upper
99	100		
42	24.0	18.3	27.5
71	36.1	28.6	43.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

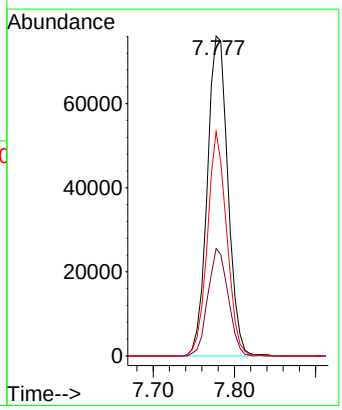


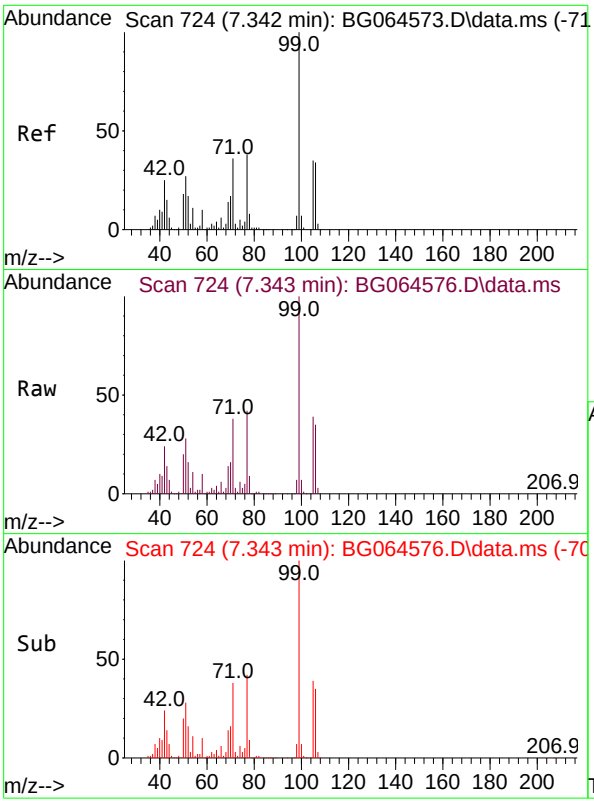


#8
2-Chlorophenol
Concen: 49.112 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:128 Resp: 134062

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.5	53.5
64	70.0	45.2	85.2





#9
Benzaldehyde
Concen: 46.812 ng
RT: 7.343 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

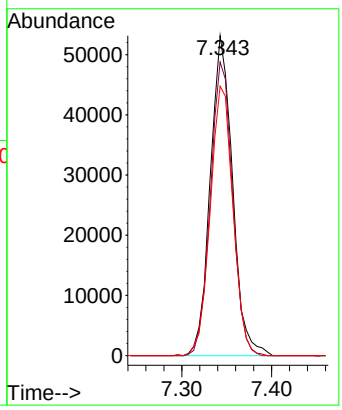
Tgt Ion: 77 Resp: 9145

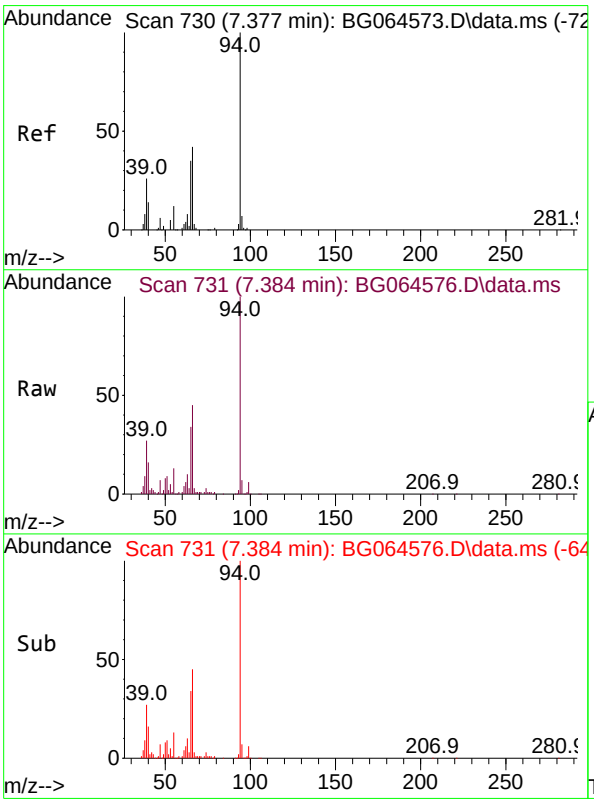
Ion	Ratio	Lower	Upper
77	100		
105	91.7	72.9	112.9
106	84.2	70.8	110.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

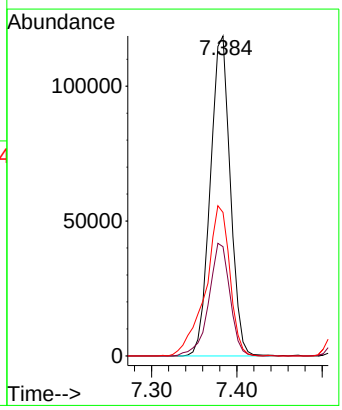


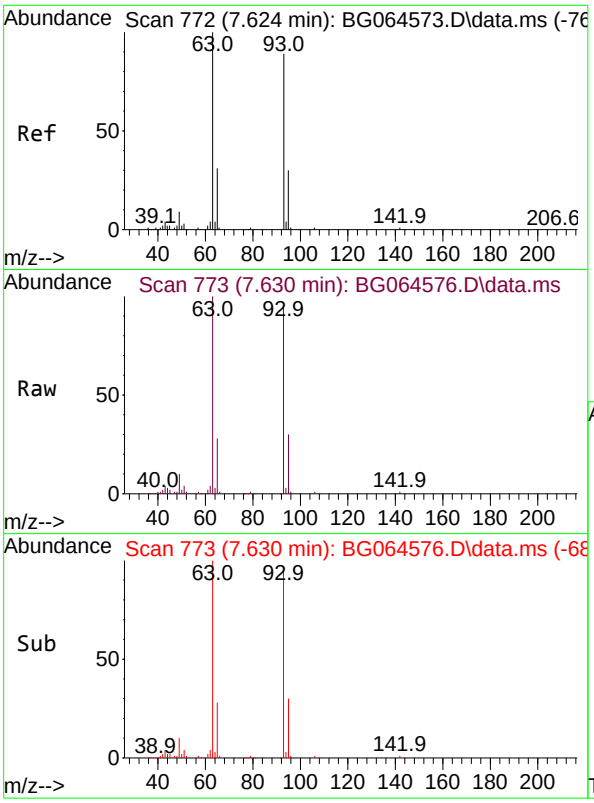


#10
Phenol
Concen: 48.681 ng
RT: 7.384 min Scan# 731
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 94 Resp: 192663

Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.8	55.8
66	44.8	24.0	64.0





#11
bis(2-Chloroethyl)ether
Concen: 47.894 ng
RT: 7.630 min Scan# 7
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 139360

Ion	Ratio	Lower	Upper
93	100		
63	105.5	91.3	131.3
95	31.8	13.3	53.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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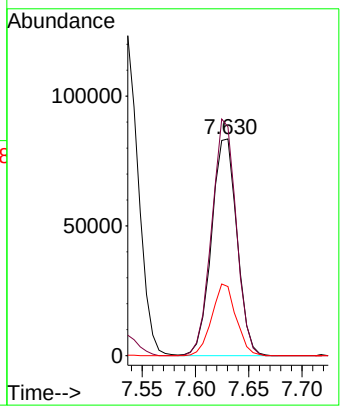
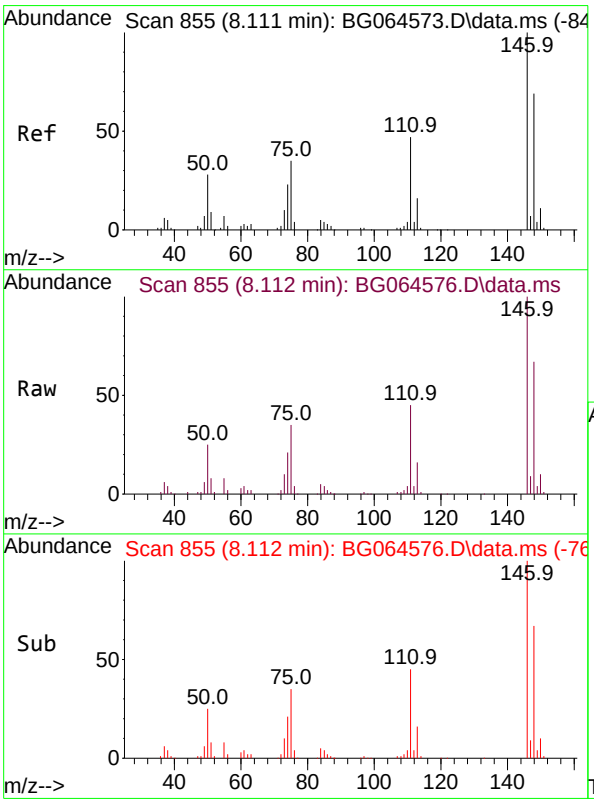
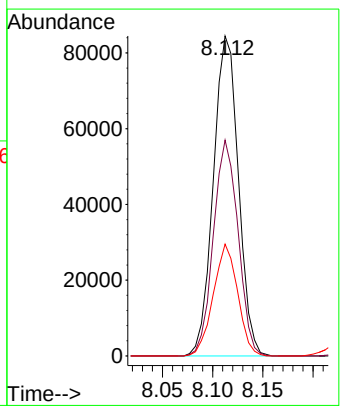


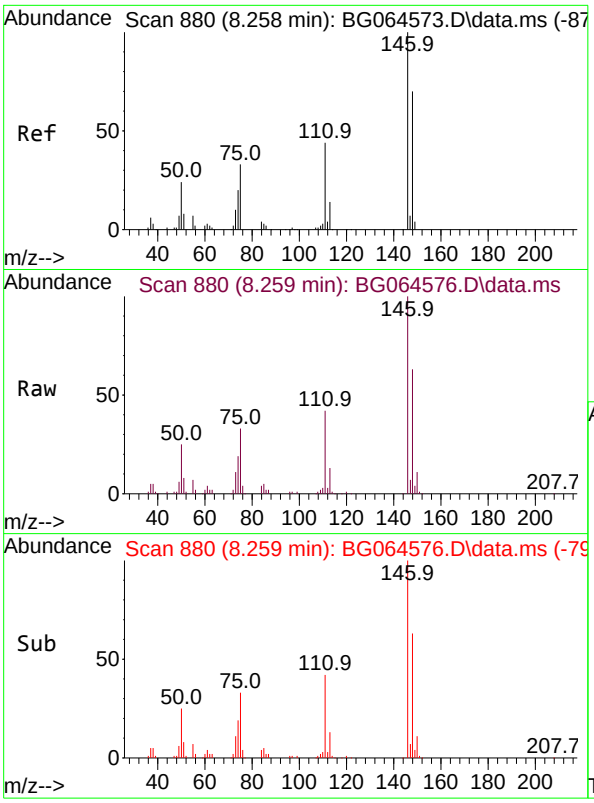


#12
1,3-Dichlorobenzene
Concen: 46.758 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 146905

Ion	Ratio	Lower	Upper
146	100		
148	67.4	55.3	82.9
75	34.9	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 47.293 ng
RT: 8.259 min Scan# 88
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 15108

Ion	Ratio	Lower	Upper
146	100		
148	62.7	56.2	84.4
111	42.0	35.4	53.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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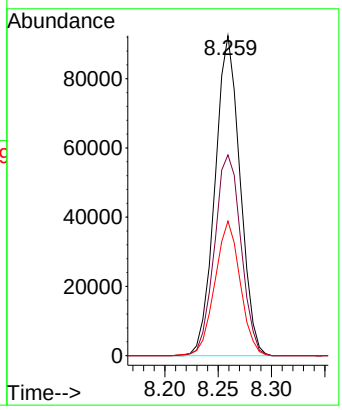
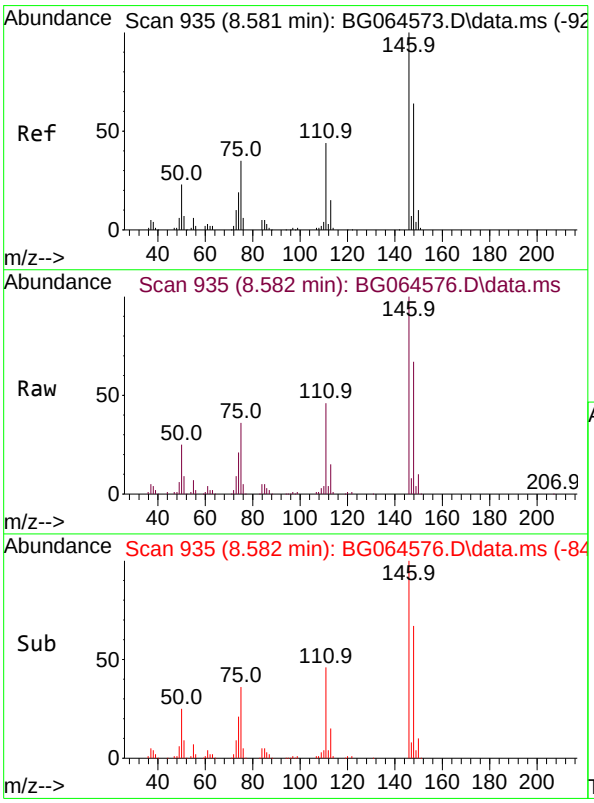
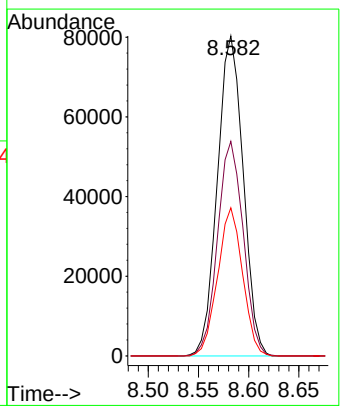


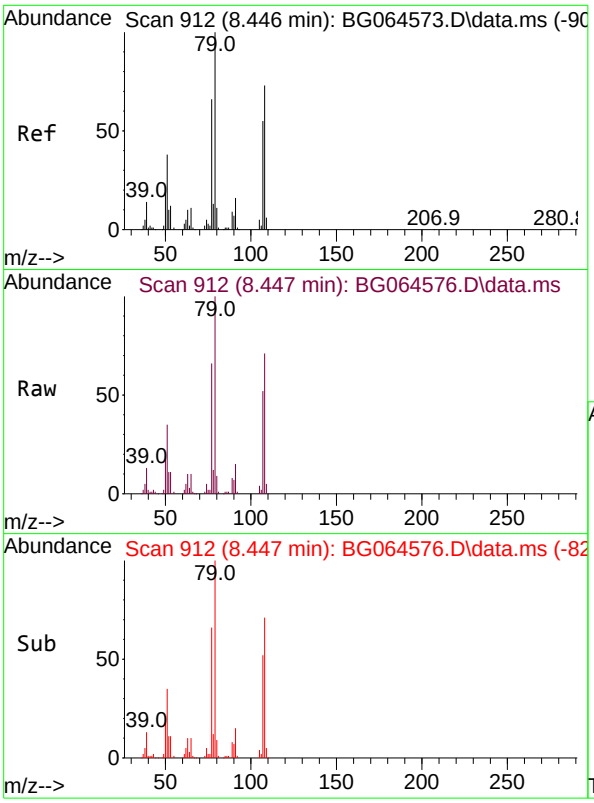


#14
1,2-Dichlorobenzene
Concen: 46.729 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 143986

Ion	Ratio	Lower	Upper
146	100		
148	67.0	51.5	77.3
111	46.3	35.0	52.6





#15
Benzyl Alcohol
Concen: 48.417 ng
RT: 8.447 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 79 Resp: 14288

Ion	Ratio	Lower	Upper
79	100		
108	71.2	58.1	87.1
77	66.0	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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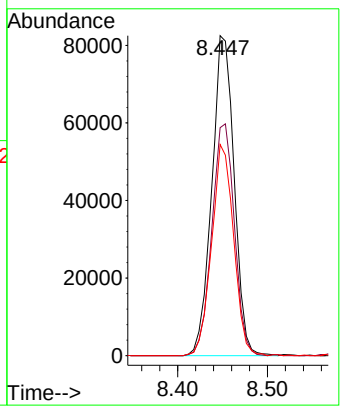
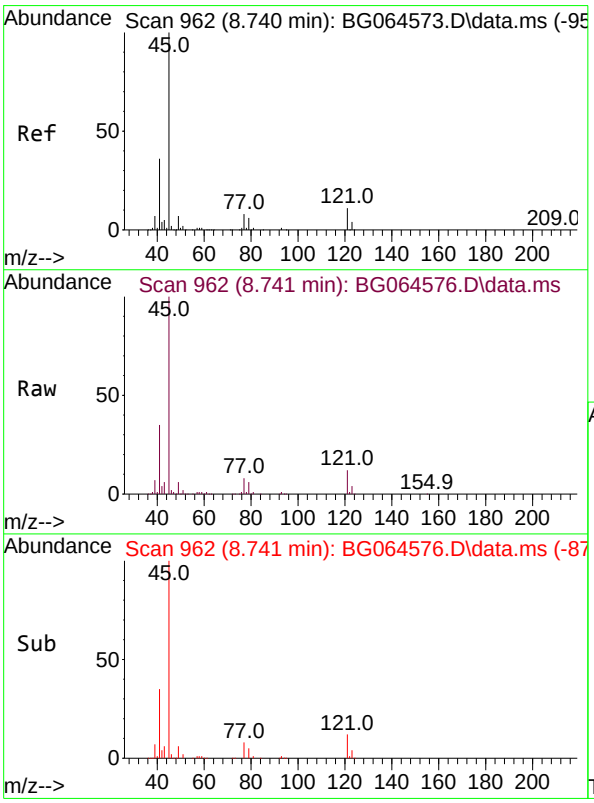
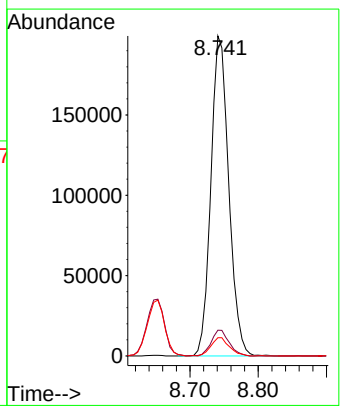


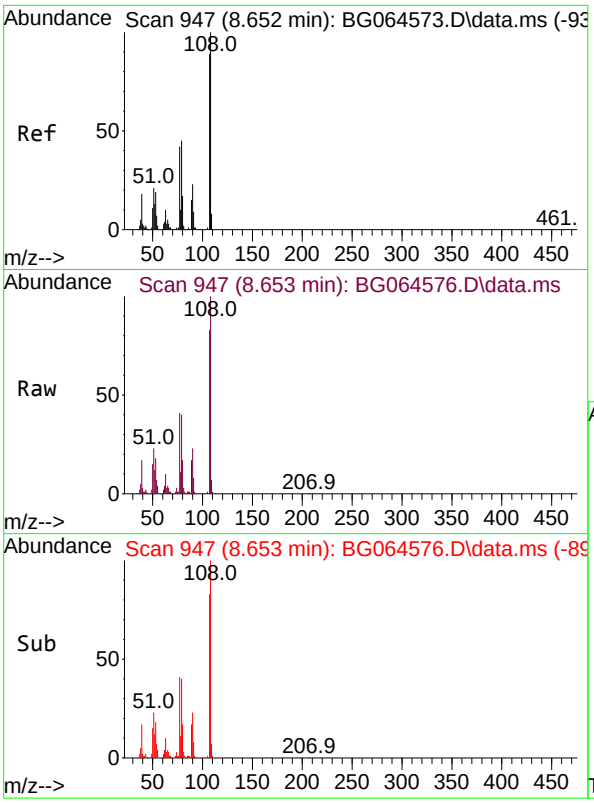


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.332 ng
RT: 8.741 min Scan# 962
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 45 Resp: 361264

Ion	Ratio	Lower	Upper
45	100		
77	8.0	0.0	28.5
79	5.7	0.0	25.6

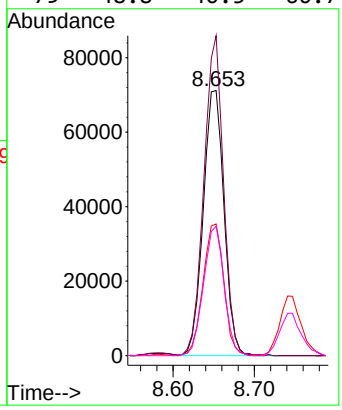




#17
2-Methylphenol
Concen: 48.282 ng
RT: 8.653 min Scan# 94
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 126868

Ion	Ratio	Lower	Upper
107	100		
108	120.8	90.0	135.0
77	49.7	37.8	56.8
79	48.8	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
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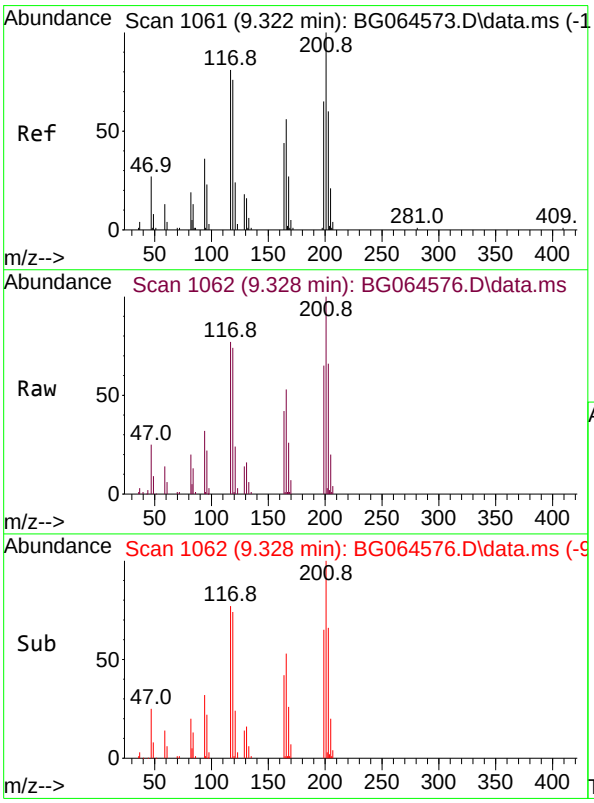
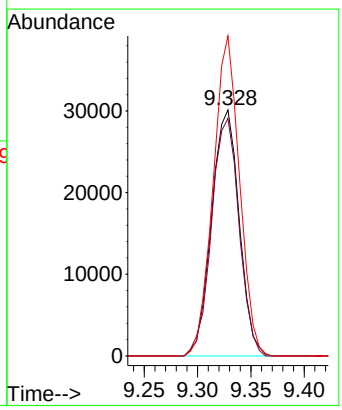
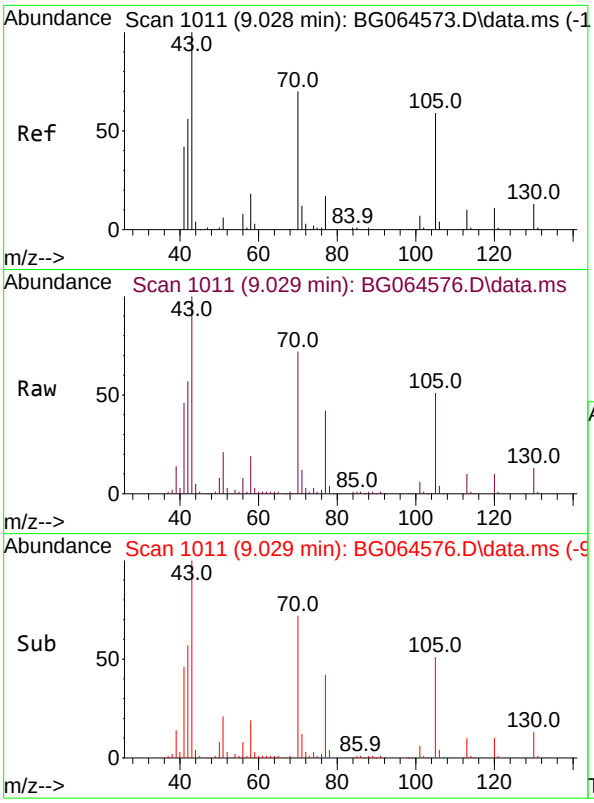


#18
Hexachloroethane
Concen: 48.463 ng
RT: 9.328 min Scan# 1062
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:117 Resp: 54330

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.4	113.2
201	134.0	99.2	148.8





#19
n-Nitroso-di-n-propylamine
Concen: 49.350 ng
RT: 9.029 min Scan# 1(
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 70 Resp: 12205

Ion	Ratio	Lower	Upper
70	100		
42	78.6	65.2	97.8
101	8.8	7.9	11.9
130	18.5	14.3	21.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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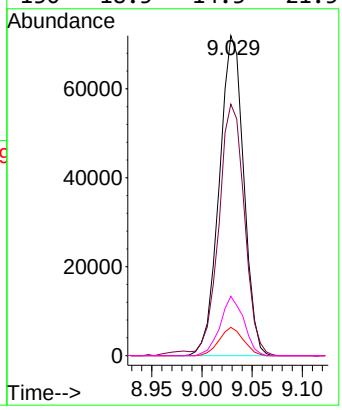
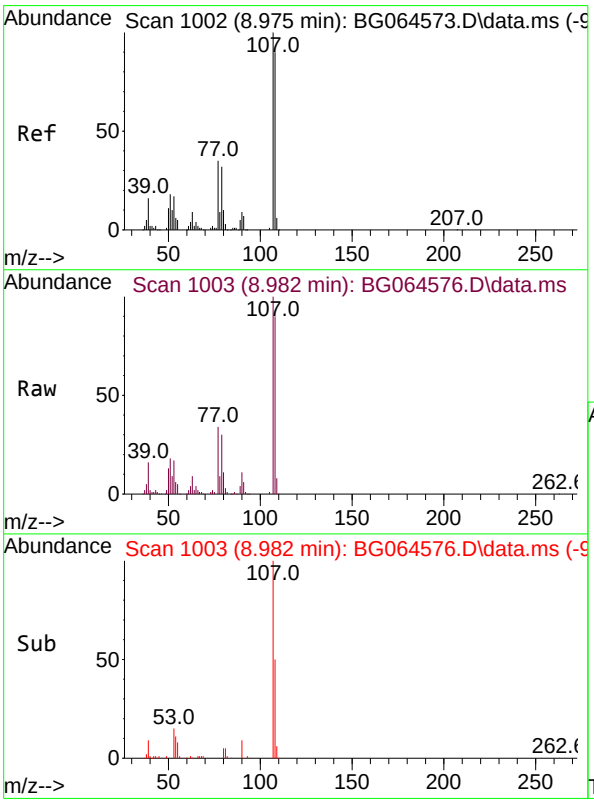
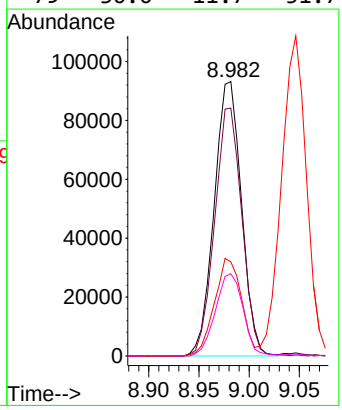


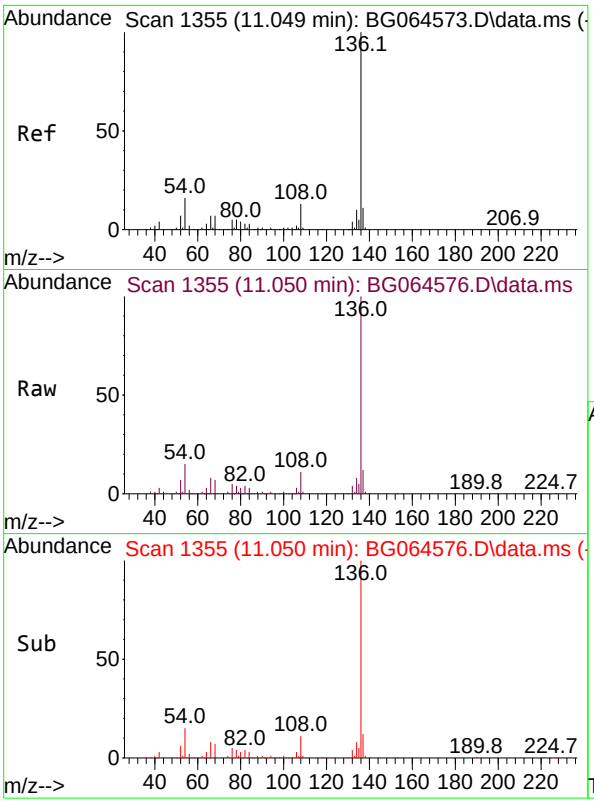


#20
3+4-Methylphenols
Concen: 47.740 ng
RT: 8.982 min Scan# 1003
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 176415

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.3	110.3
77	34.2	14.6	54.6
79	30.0	11.7	51.7

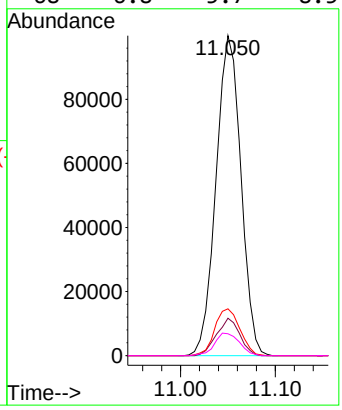




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:136 Resp: 18227

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	14.6	12.6	19.0
68	6.8	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
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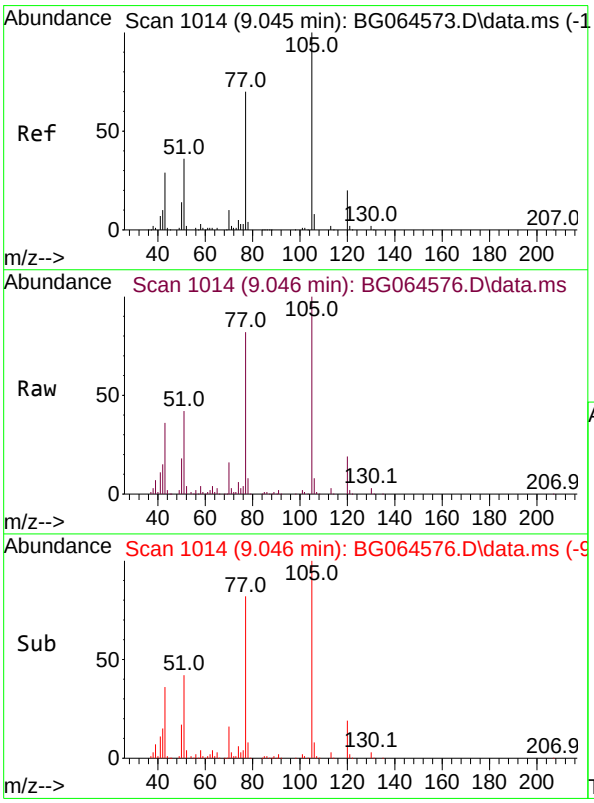
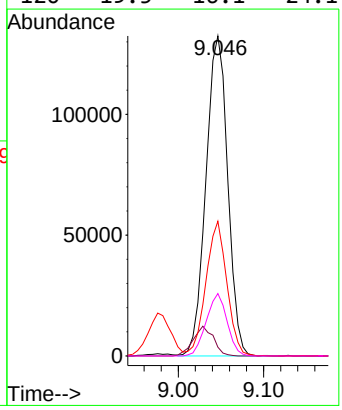
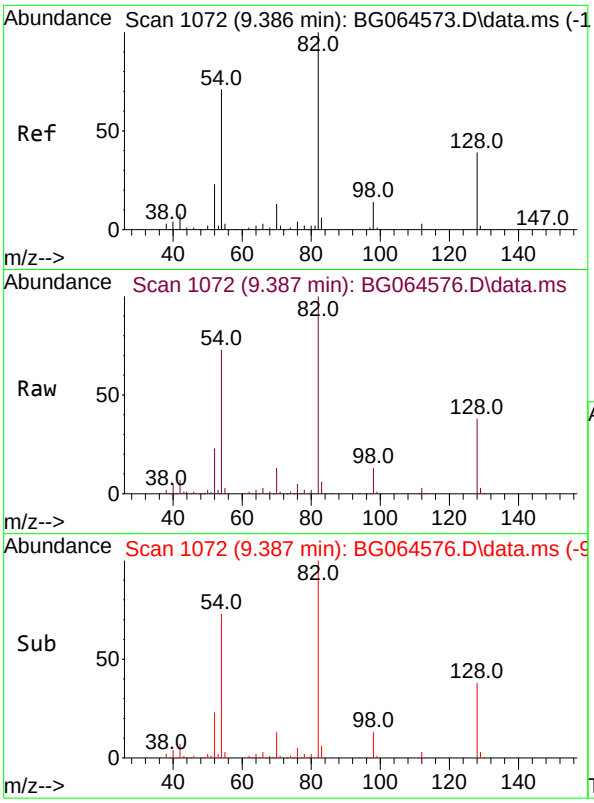


#22
Acetophenone
Concen: 47.155 ng
RT: 9.046 min Scan# 1014
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:105 Resp: 234956

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.5	2.3#
51	42.1	33.7	50.5
120	19.5	16.1	24.1





#23
Nitrobenzene-d5
Concen: 106.847 ng
RT: 9.387 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 82 Resp: 324249

Ion	Ratio	Lower	Upper
82	100		
128	37.9	31.3	46.9
54	72.9	56.6	84.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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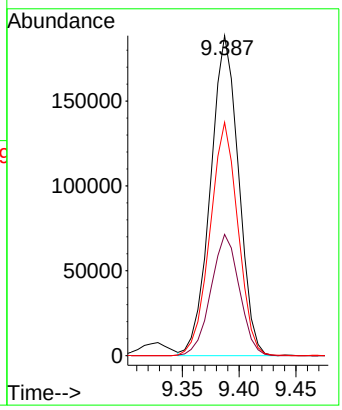
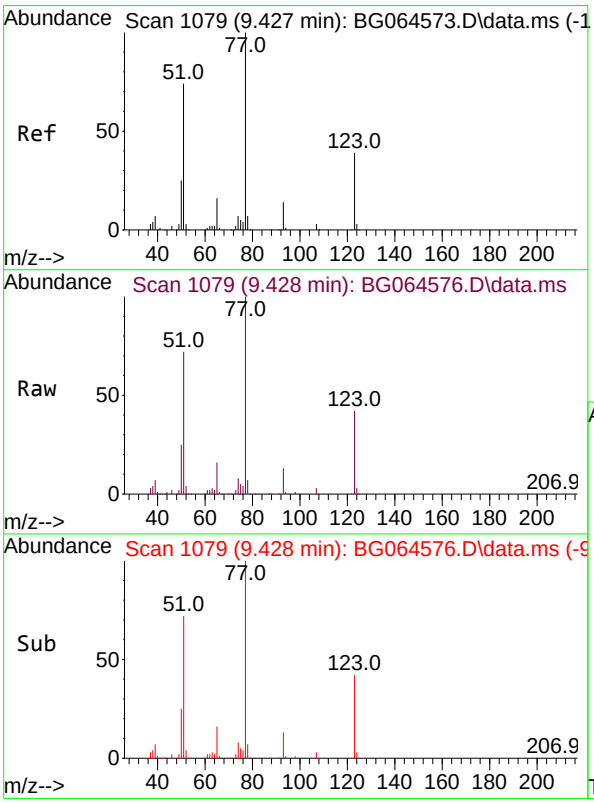
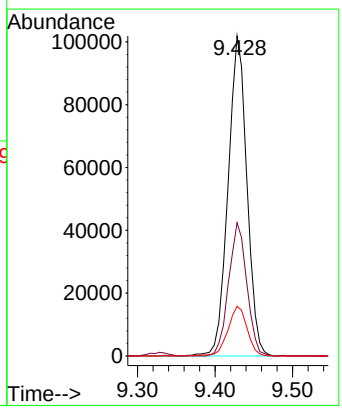


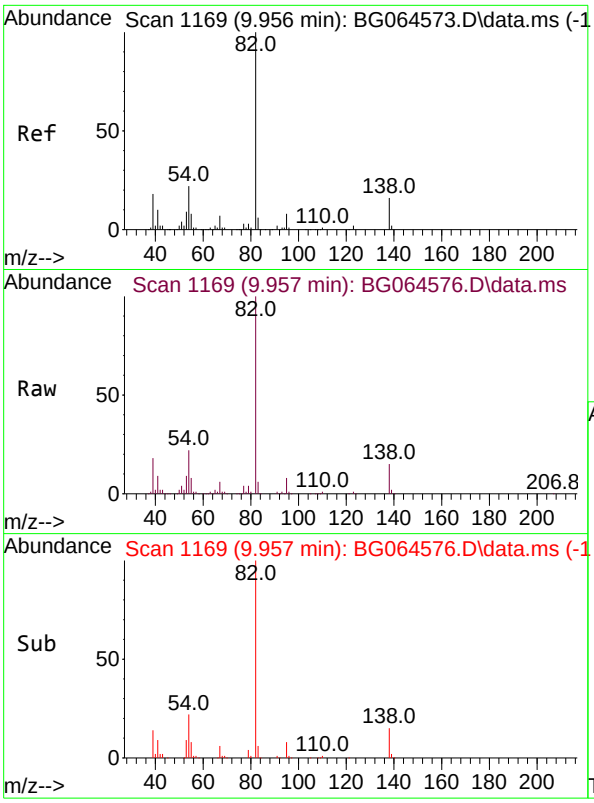


#24
Nitrobenzene
Concen: 52.060 ng
RT: 9.428 min Scan# 1079
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 171837

Ion	Ratio	Lower	Upper
77	100		
123	41.6	31.0	46.6
65	15.5	12.7	19.1





#25
Isophorone
Concen: 47.813 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 82 Resp: 348174

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.1	9.1
138	14.8	13.0	19.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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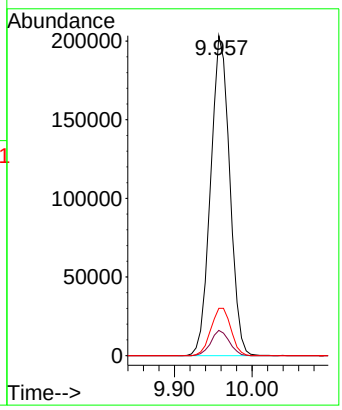
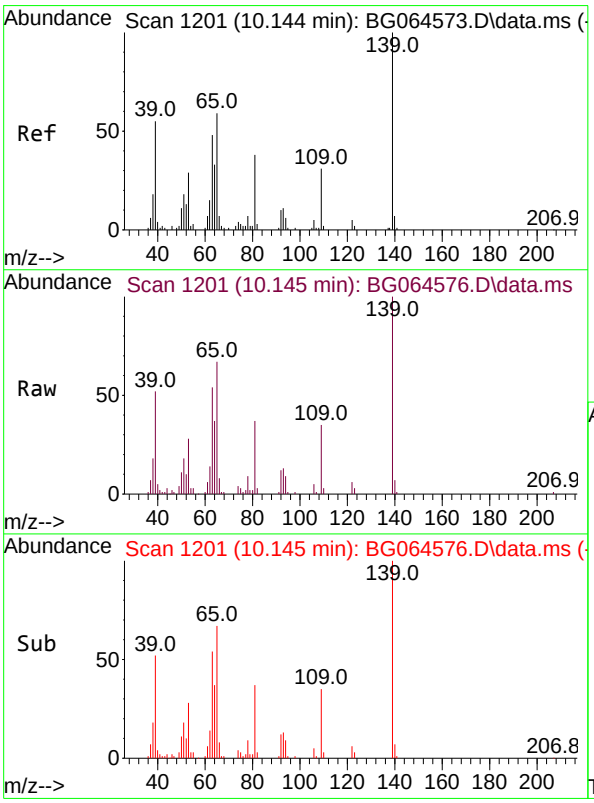
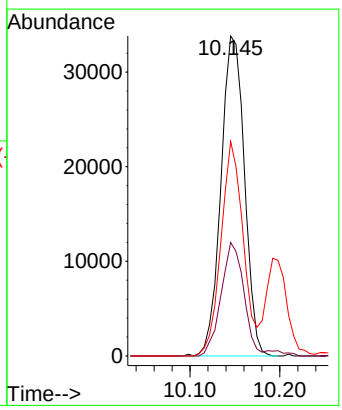


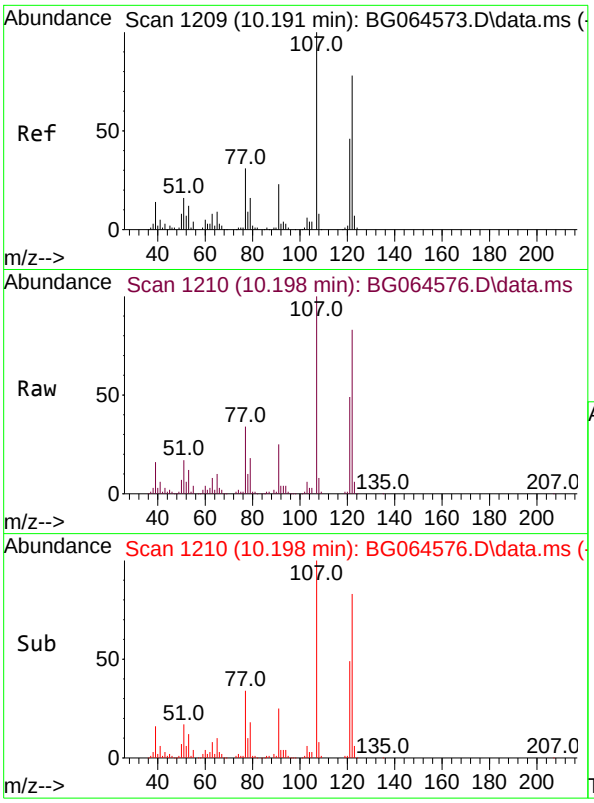


#26
2-Nitrophenol
Concen: 48.353 ng
RT: 10.145 min Scan# 1201
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:139 Resp: 61611

Ion	Ratio	Lower	Upper
139	100		
109	35.4	24.6	37.0
65	67.0	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 49.988 ng
RT: 10.198 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 13540

Ion	Ratio	Lower	Upper
122	100		
107	121.2	103.0	154.4
121	59.9	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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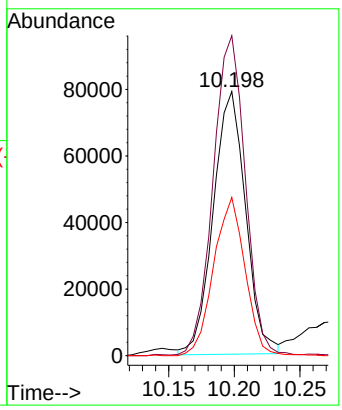
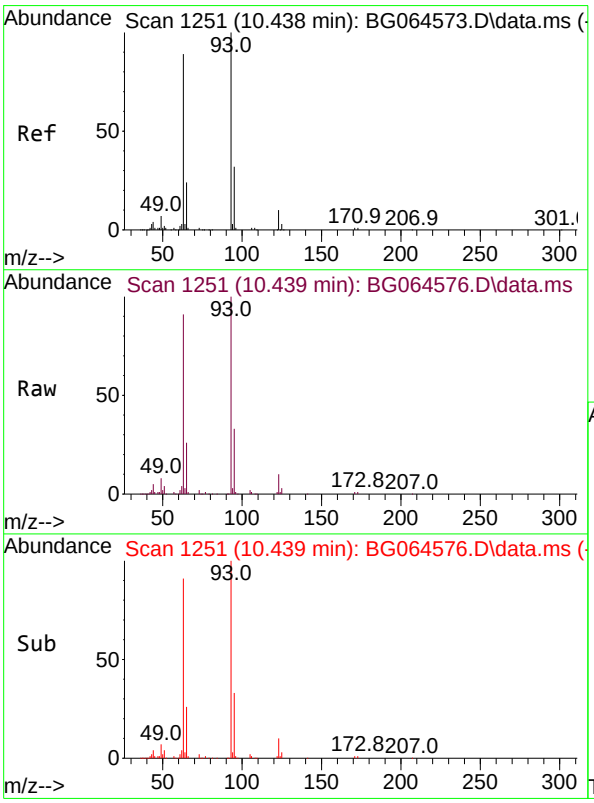
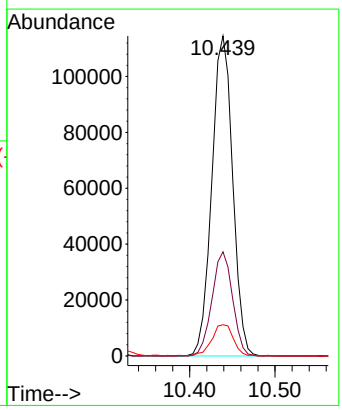


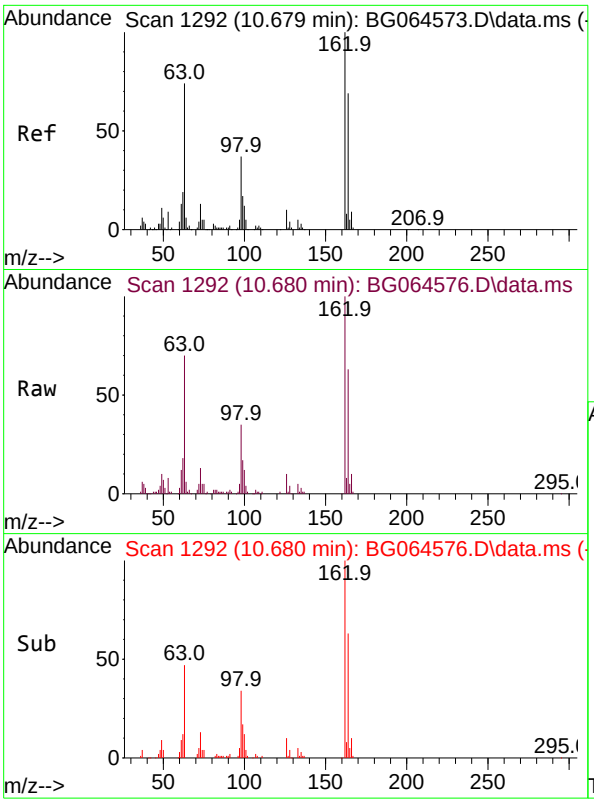


#28
bis(2-Chloroethoxy)methane
Concen: 46.800 ng
RT: 10.439 min Scan# 1251
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 194038

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.2
123	9.7	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 51.062 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:162 Resp: 148850

Ion	Ratio	Lower	Upper
162	100		
164	63.1	48.7	88.7
98	34.6	16.9	56.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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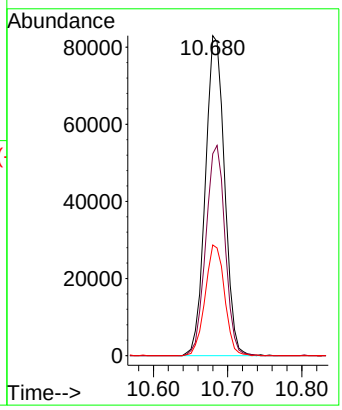
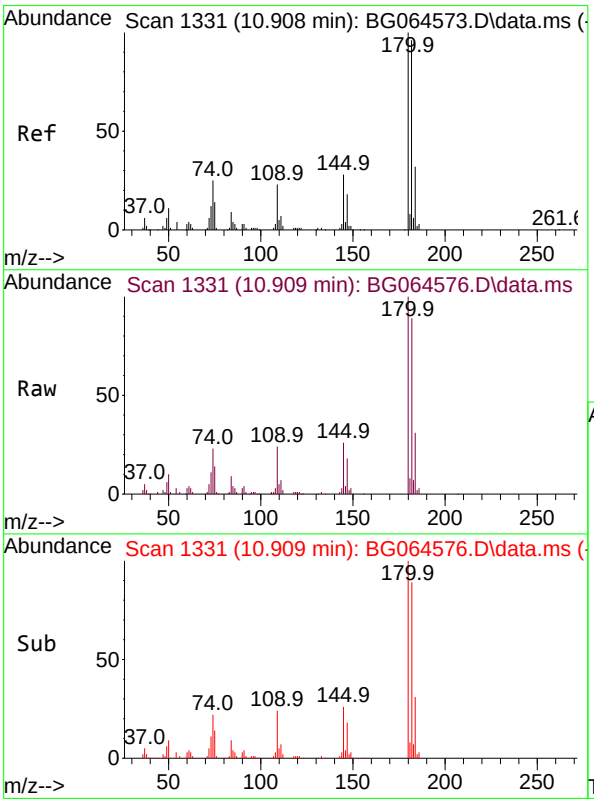
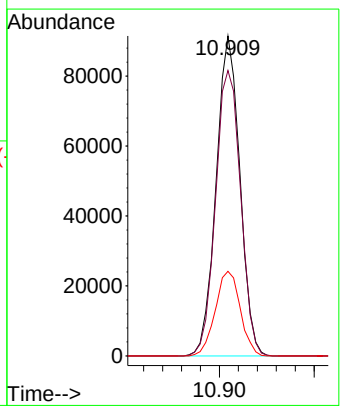


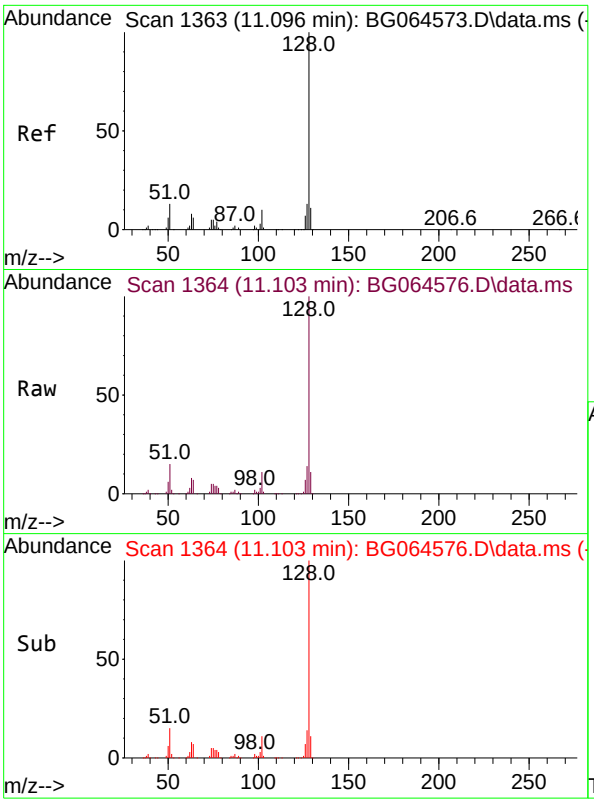


#30
1,2,4-Trichlorobenzene
Concen: 48.068 ng
RT: 10.909 min Scan# 1331
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:180 Resp: 159207

Ion	Ratio	Lower	Upper
180	100		
182	89.2	76.9	115.3
145	26.4	22.1	33.1





#31
Naphthalene
Concen: 46.695 ng
RT: 11.103 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:128 Resp: 47189

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	14.3	10.6	15.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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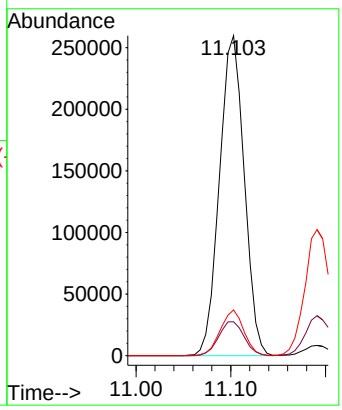
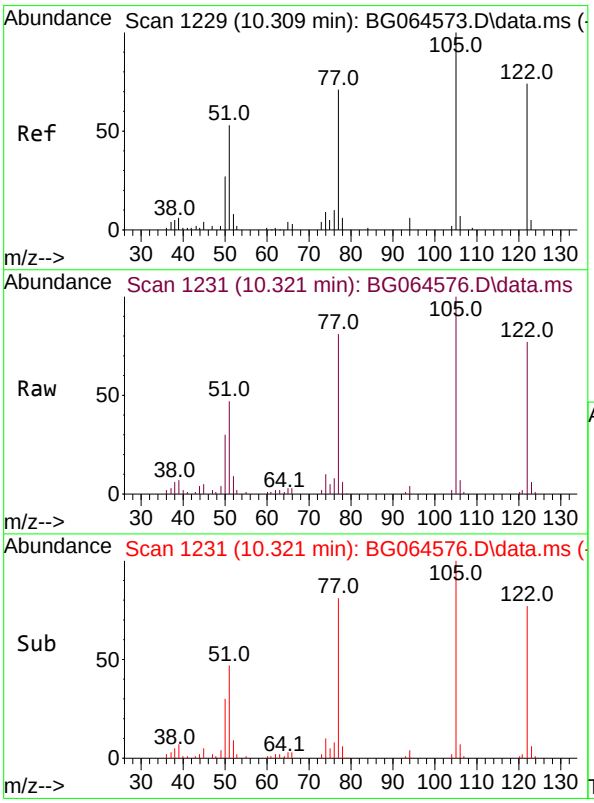
Supervised By :mohammad ahmed 11/05/2025

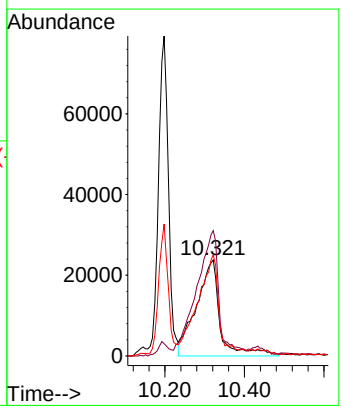


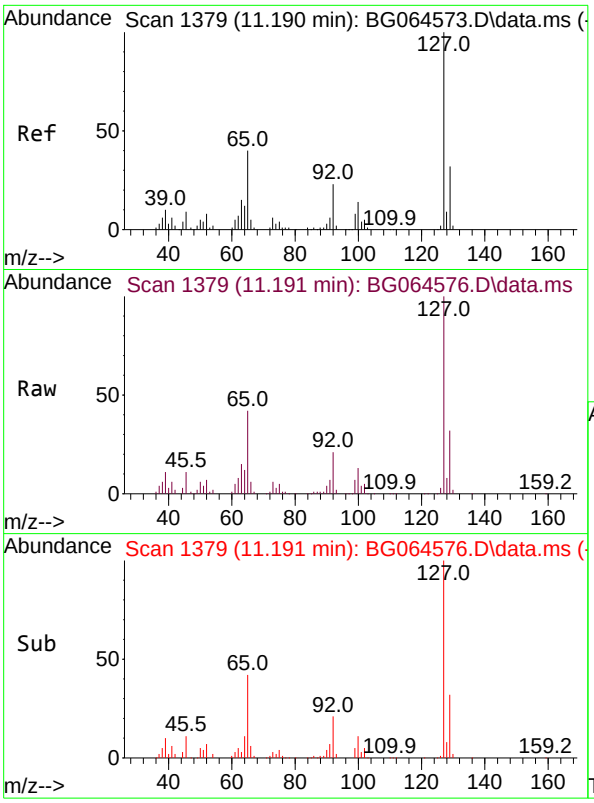


#32
Benzoic acid
Concen: 47.410 ng m
RT: 10.321 min Scan# 1231
Delta R.T. 0.012 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 97970

Ion	Ratio	Lower	Upper
122	100		
105	130.6	104.2	144.2
77	105.4	70.2	110.2

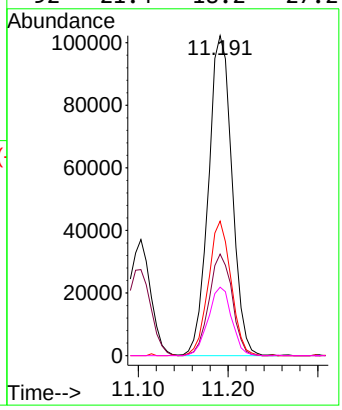




#33
4-Chloroaniline
Concen: 47.560 ng
RT: 11.191 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:127 Resp: 186814

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.5	38.3
65	42.0	32.2	48.4
92	21.4	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
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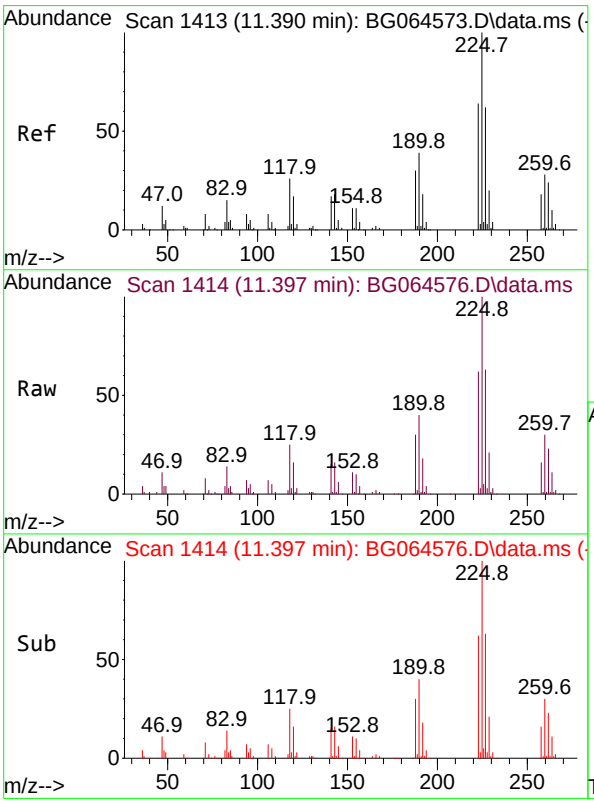
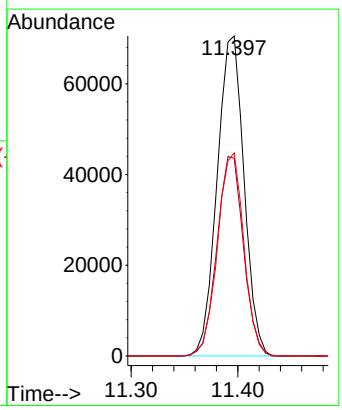
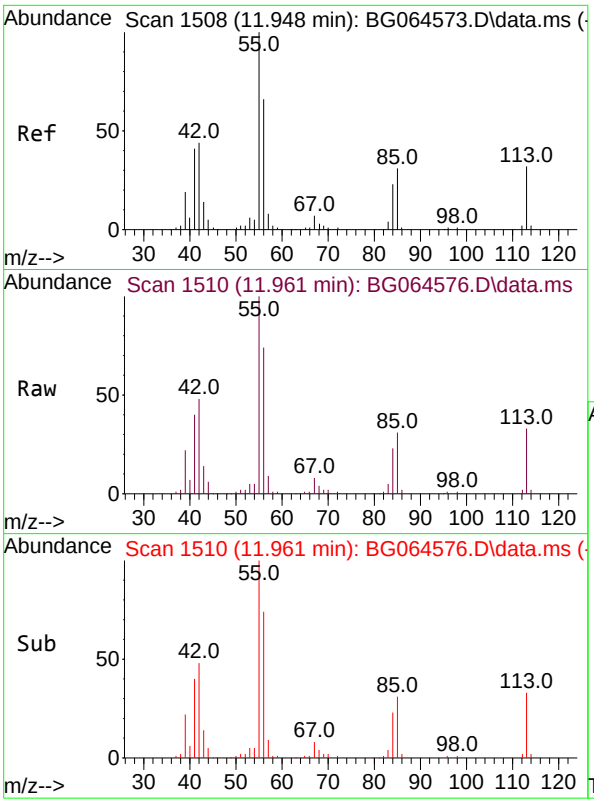


#34
Hexachlorobutadiene
Concen: 47.716 ng
RT: 11.397 min Scan# 1414
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:225 Resp: 123596

Ion	Ratio	Lower	Upper
225	100		
223	59.0	48.8	73.2
227	63.1	49.5	74.3





#35
Caprolactam
Concen: 48.020 ng
RT: 11.961 min Scan# 1
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:113 Resp: 5368

Ion	Ratio	Lower	Upper
113	100		
55	305.8	290.1	330.1
56	227.6	183.8	223.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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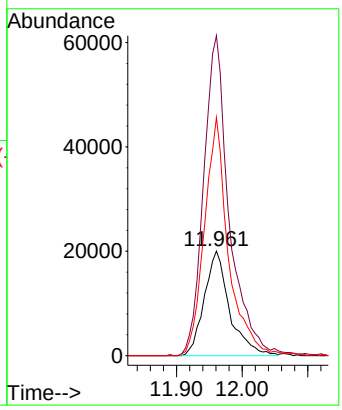
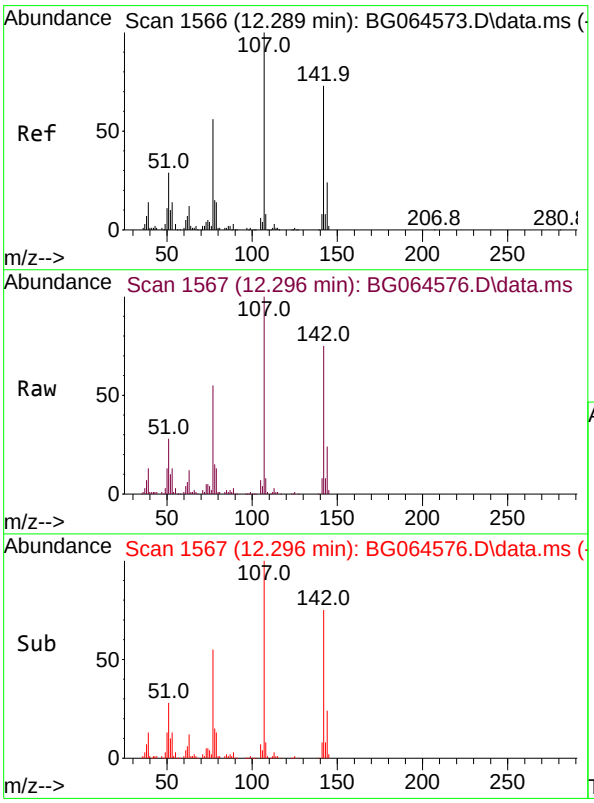
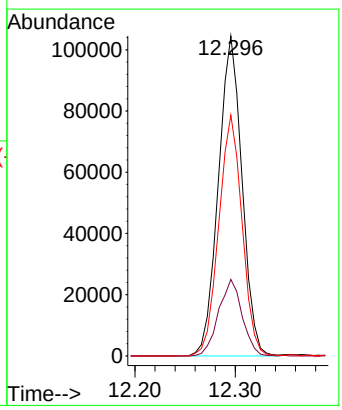


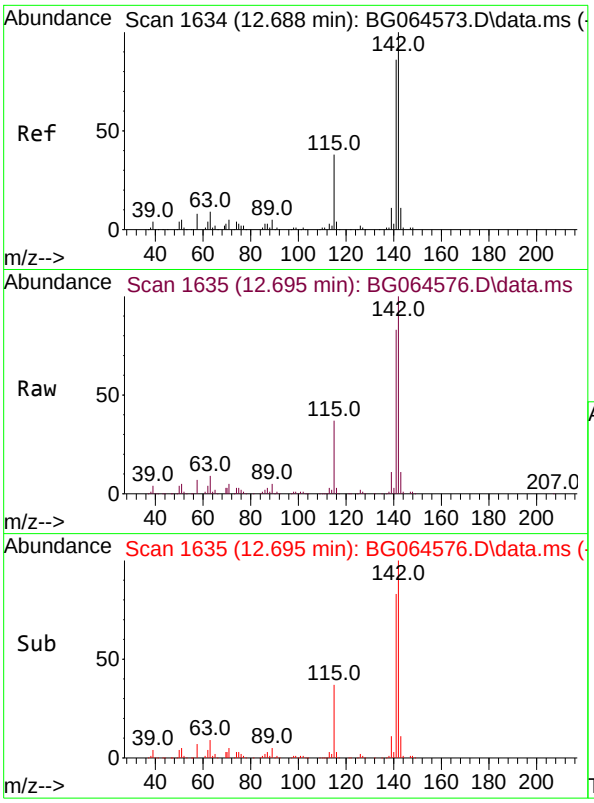


#36
4-Chloro-3-methylphenol
Concen: 48.836 ng
RT: 12.296 min Scan# 1567
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 171120

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	75.2	58.6	87.8





#37
2-Methylnaphthalene
Concen: 47.435 ng
RT: 12.695 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:142 Resp: 351946

Ion	Ratio	Lower	Upper
142	100		
141	83.0	68.9	103.3
115	37.5	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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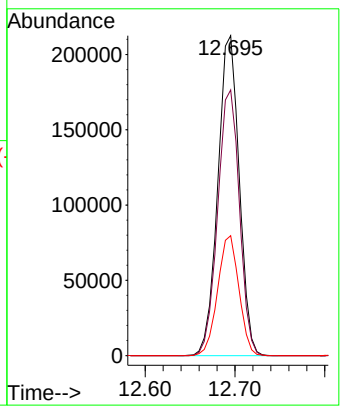
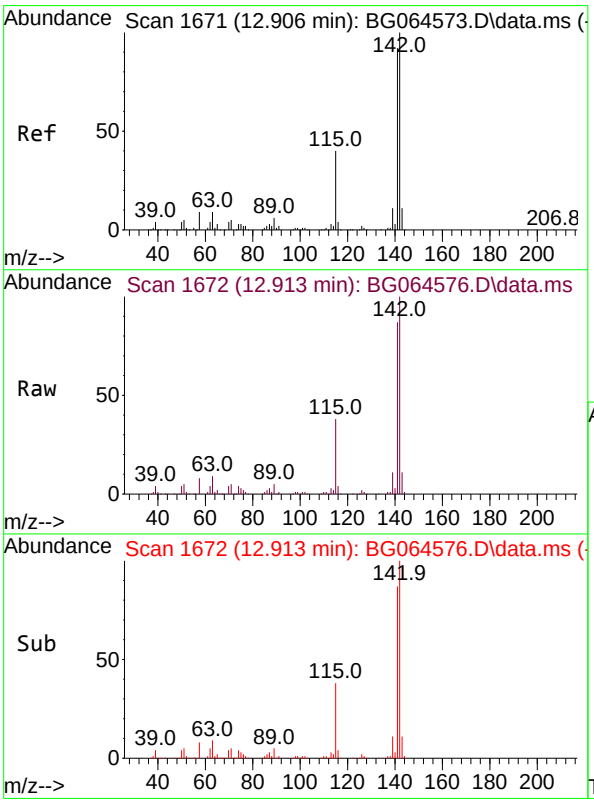
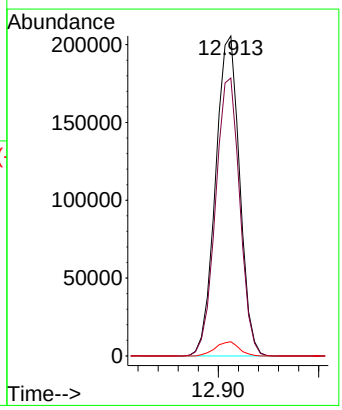


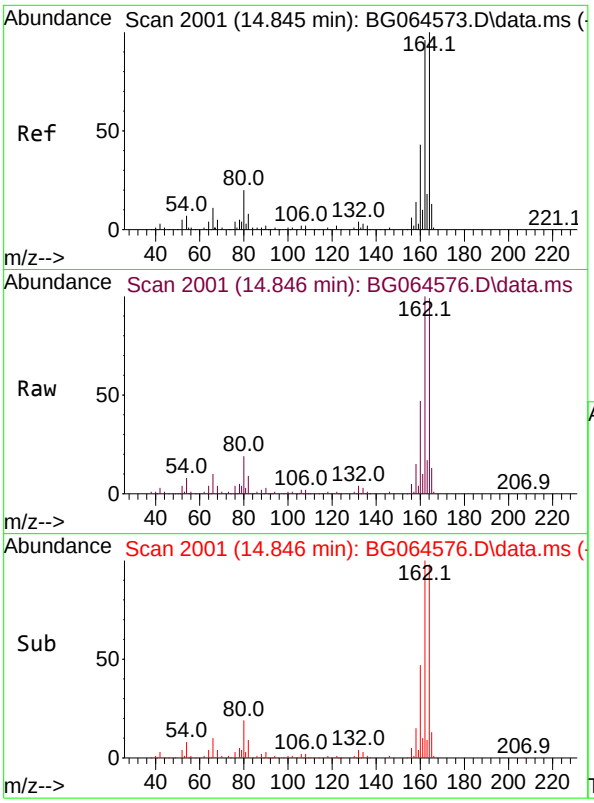


#38
1-Methylnaphthalene
Concen: 46.666 ng
RT: 12.913 min Scan# 1672
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:142 Resp: 342687

Ion	Ratio	Lower	Upper
142	100		
141	86.8	73.3	109.9
116	4.4	3.1	4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:164 Resp: 14203

Ion	Ratio	Lower	Upper
164	100		
162	101.1	77.0	115.6
160	47.2	34.4	51.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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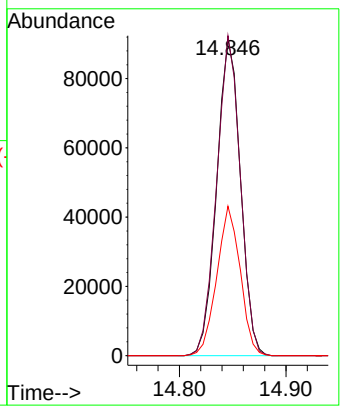
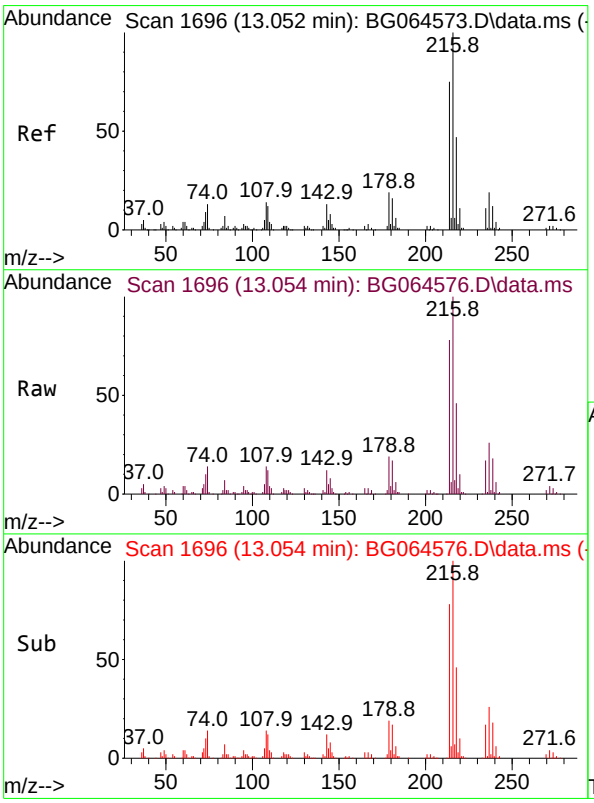
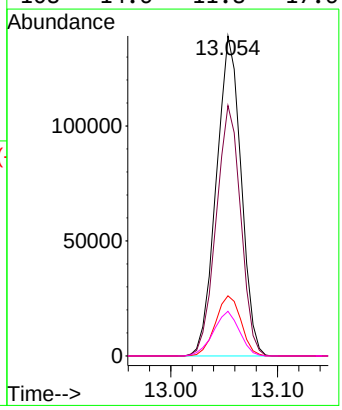


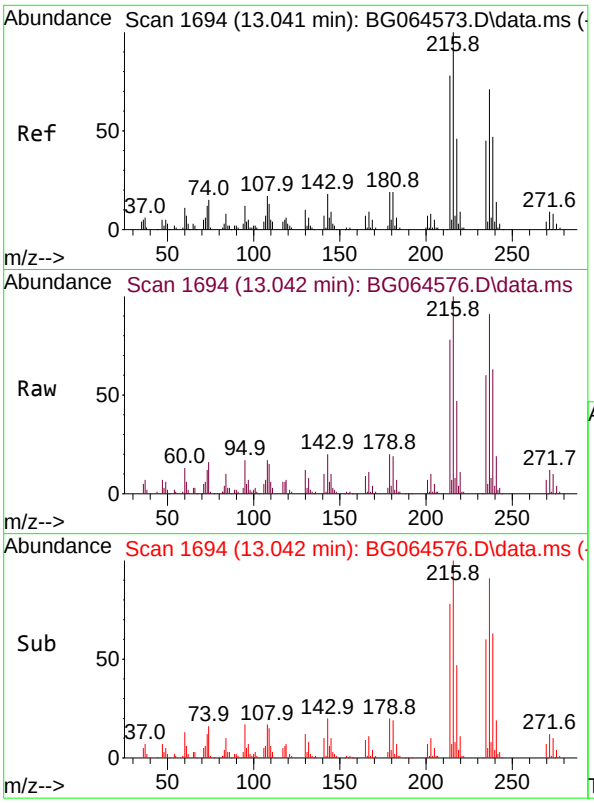


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.131 ng
RT: 13.054 min Scan# 1696
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:216 Resp: 224658

Ion	Ratio	Lower	Upper
216	100		
214	77.5	61.4	92.2
179	19.4	15.4	23.0
108	14.6	11.8	17.6





#41
Hexachlorocyclopentadiene
Concen: 49.131 ng
RT: 13.042 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:237 Resp: 10541

Ion	Ratio	Lower	Upper
237	100		
235	66.1	44.1	84.1
272	13.3	0.0	32.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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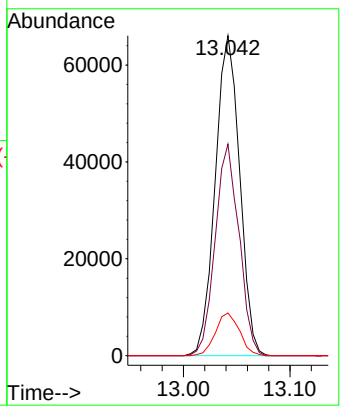
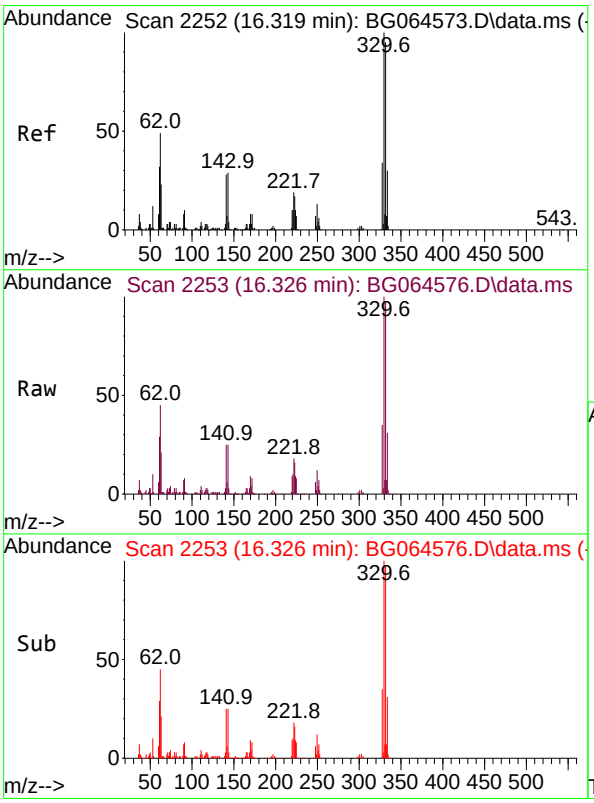
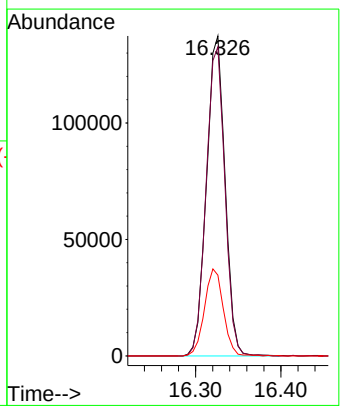


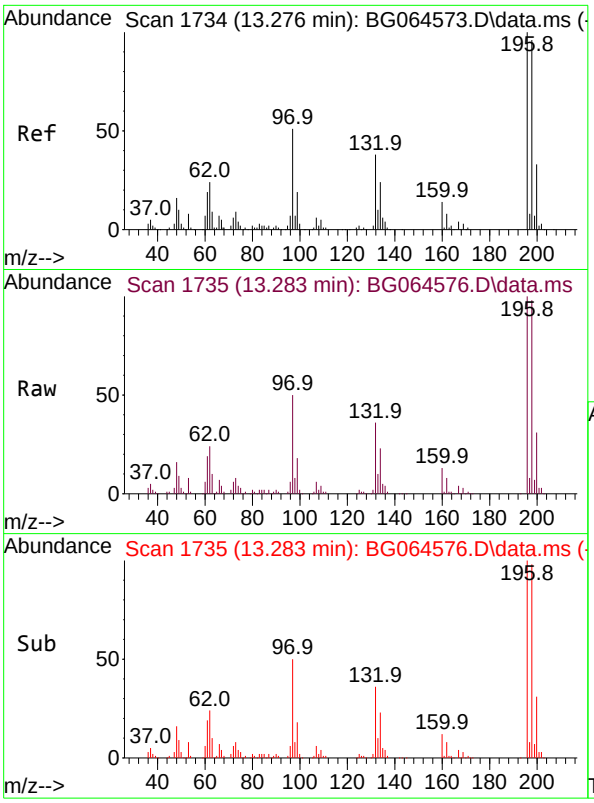


#42
2,4,6-Tribromophenol
Concen: 101.122 ng
RT: 16.326 min Scan# 2253
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:330 Resp: 207294

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	27.6	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 51.898 ng
RT: 13.283 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:196 Resp: 14150

Ion	Ratio	Lower	Upper
196	100		
198	98.3	76.6	115.0
200	31.4	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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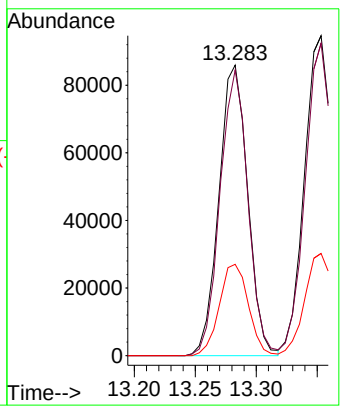
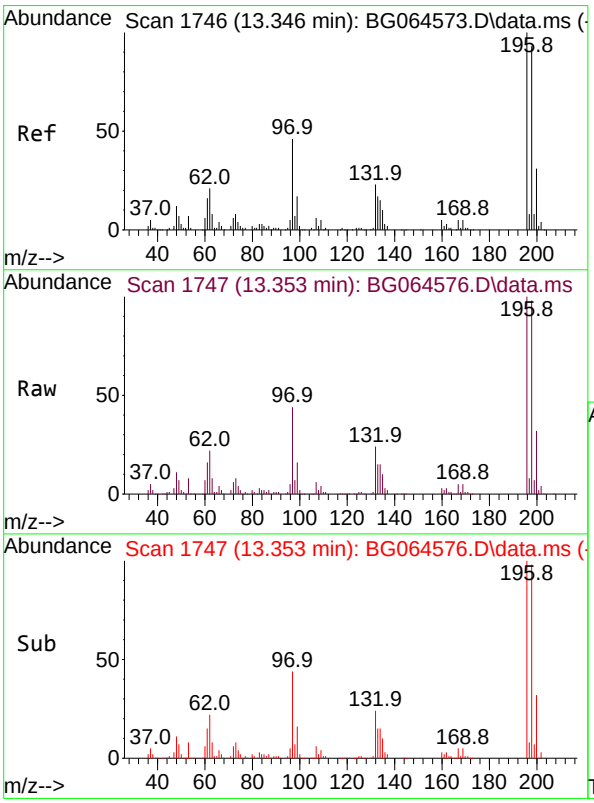
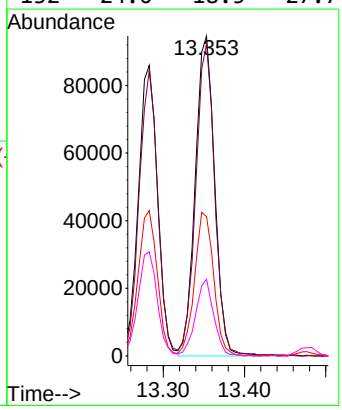


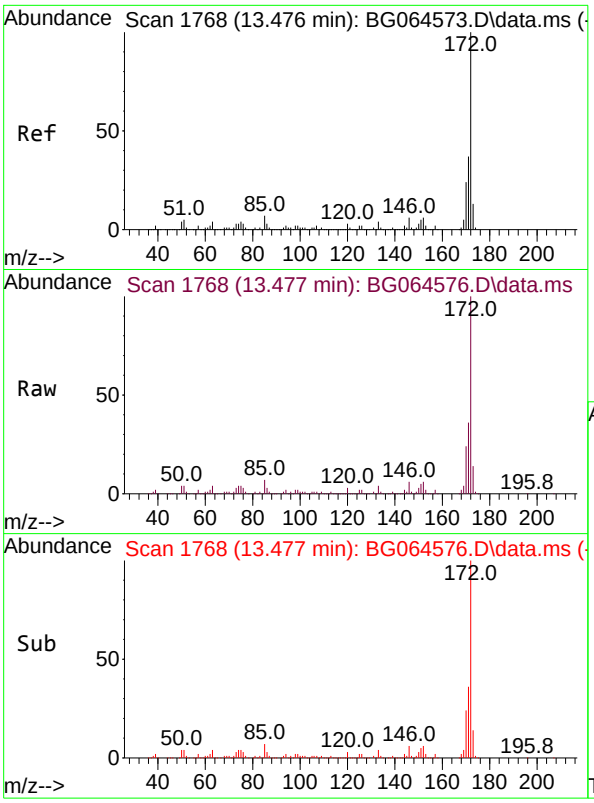


#44
2,4,5-Trichlorophenol
Concen: 49.997 ng
RT: 13.353 min Scan# 1747
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:196 Resp: 157315

Ion	Ratio	Lower	Upper
196	100		
198	97.6	74.2	111.4
97	43.5	37.0	55.6
132	24.0	18.5	27.7





#45
2-Fluorobiphenyl
Concen: 93.626 ng
RT: 13.477 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:172 Resp: 87731

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.5	19.1	28.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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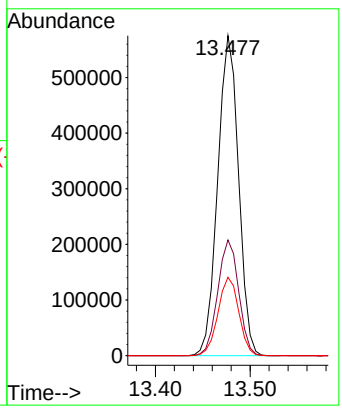
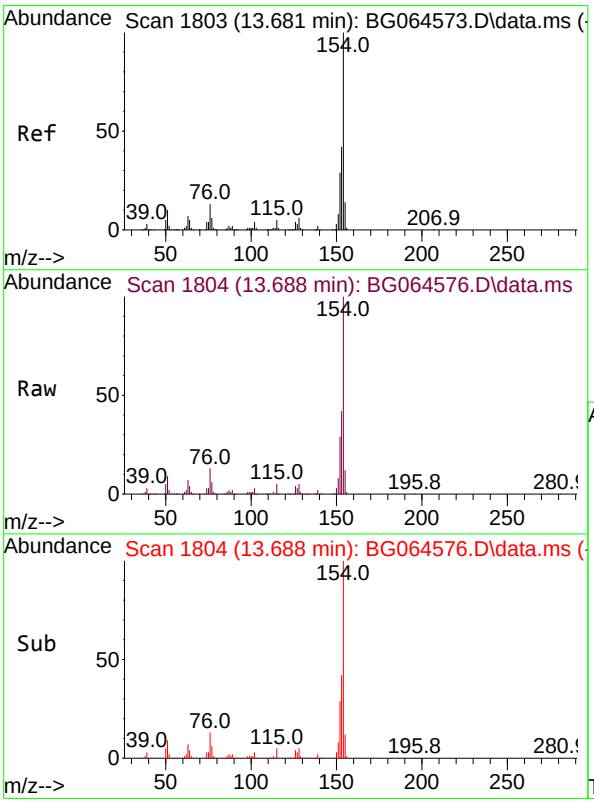
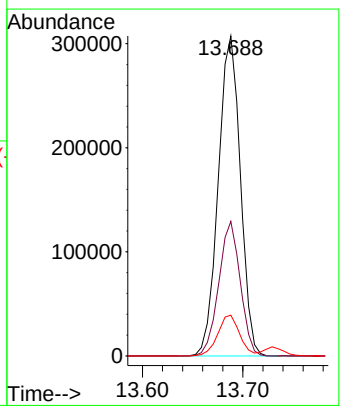


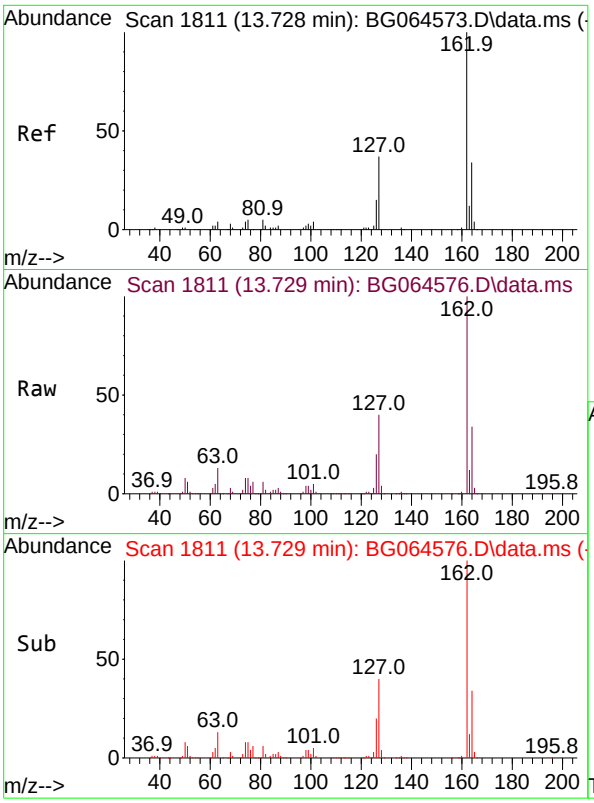


#46
1,1'-Biphenyl
Concen: 46.613 ng
RT: 13.688 min Scan# 1804
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:154 Resp: 470676

Ion	Ratio	Lower	Upper
154	100		
153	42.0	22.4	62.4
76	12.8	0.0	33.5





#47
2-Chloronaphthalene
Concen: 47.208 ng
RT: 13.729 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:162 Resp: 35981

Ion	Ratio	Lower	Upper
162	100		
127	39.8	32.2	48.2
164	34.2	27.5	41.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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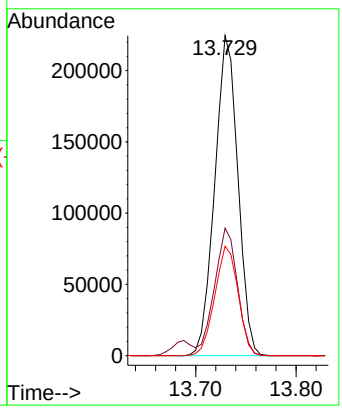
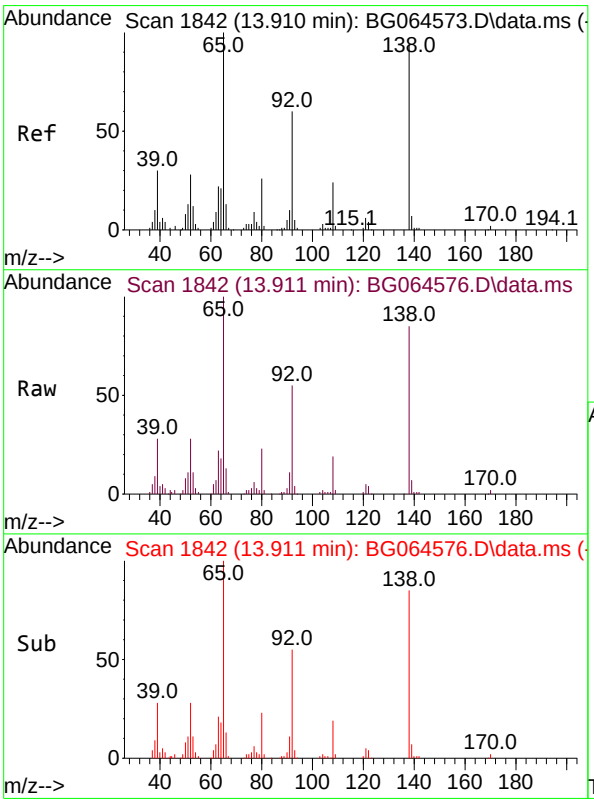
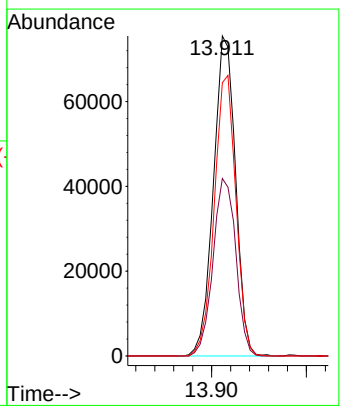


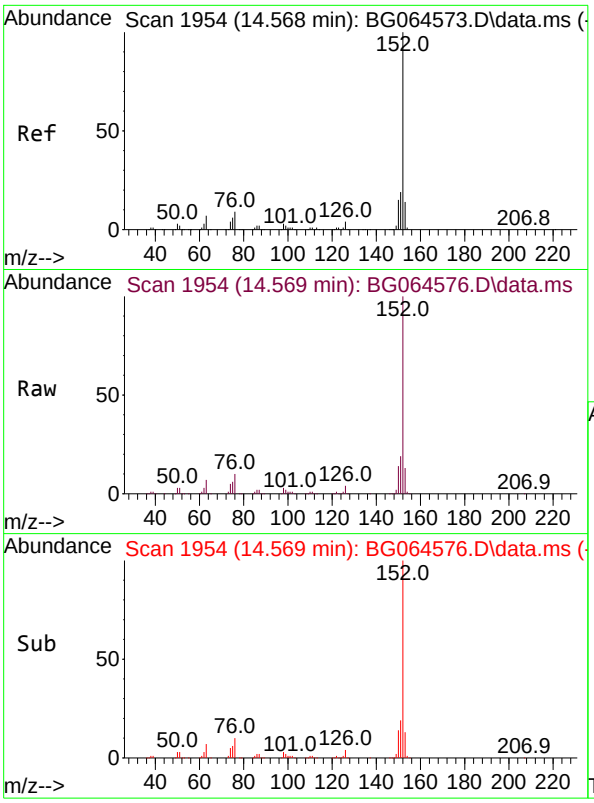


#48
2-Nitroaniline
Concen: 47.668 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 65 Resp: 121908

Ion	Ratio	Lower	Upper
65	100		
92	55.4	48.3	72.5
138	85.4	74.9	112.3





#49
Acenaphthylene
Concen: 47.060 ng
RT: 14.569 min Scan# 19
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:152 Resp: 56577

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.6	11.0	16.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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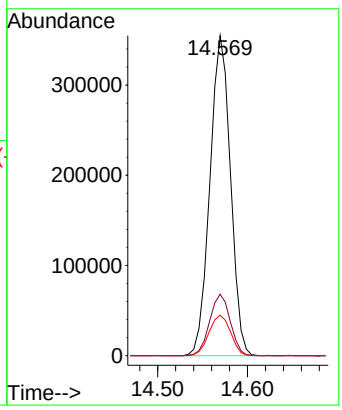
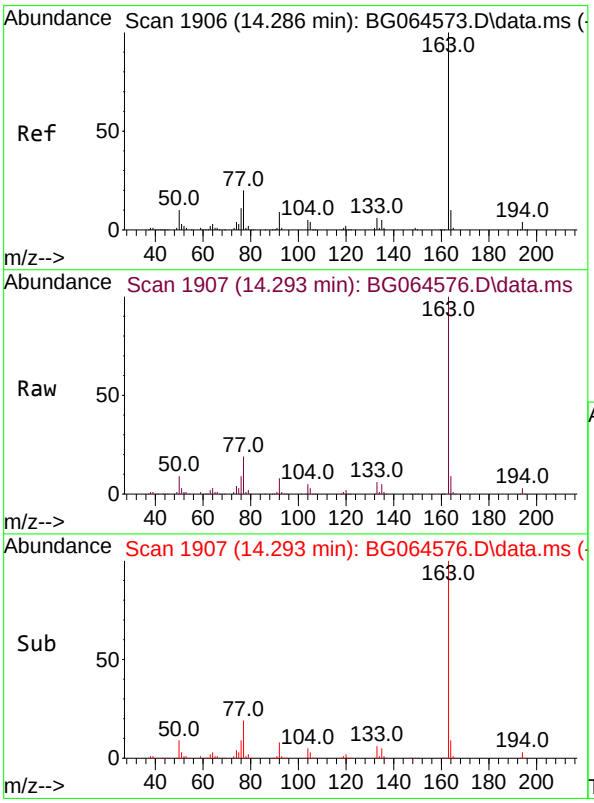
Supervised By :mohammad ahmed 11/05/2025

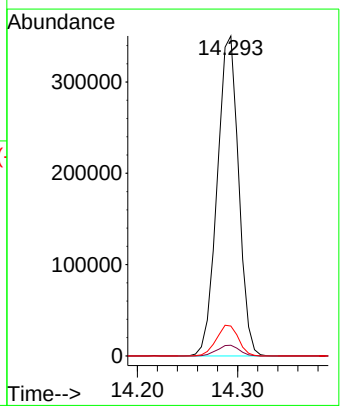


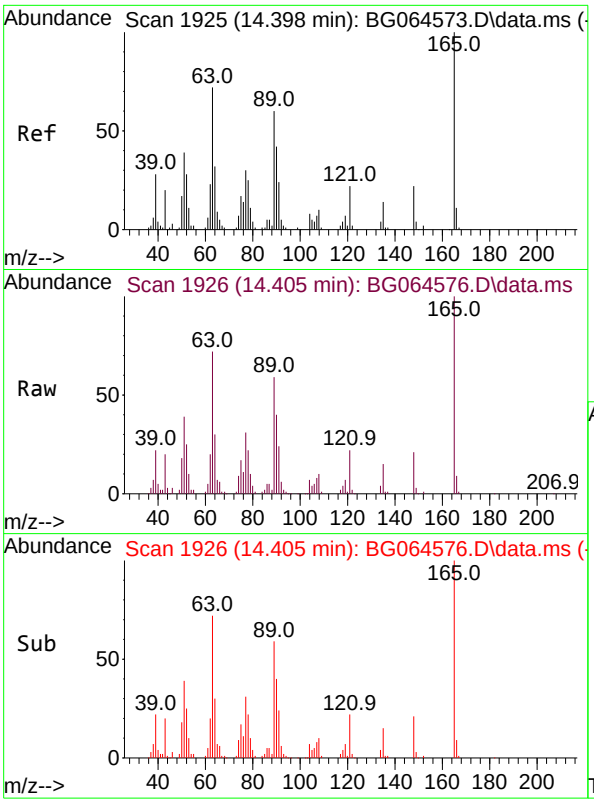


#50
Dimethylphthalate
Concen: 47.781 ng
RT: 14.293 min Scan# 1907
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:163 Resp: 519303

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.3	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 48.306 ng
RT: 14.405 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:165 Resp: 8666

Ion	Ratio	Lower	Upper
165	100		
63	72.5	57.4	86.0
89	58.9	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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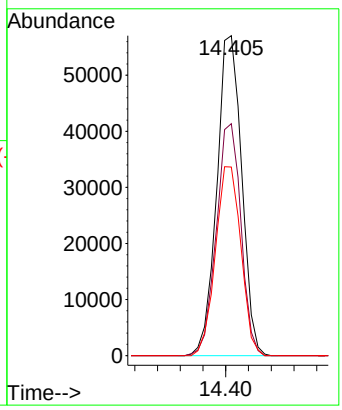
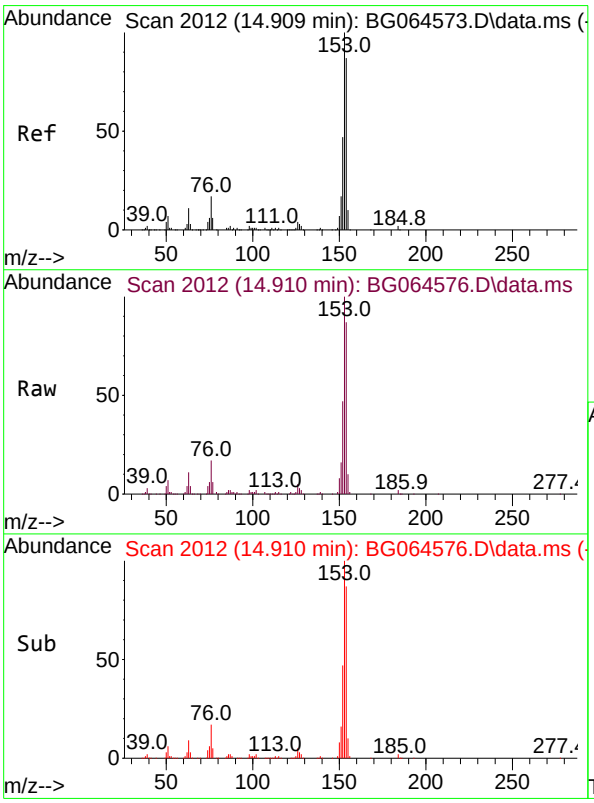
Supervised By :mohammad ahmed 11/05/2025

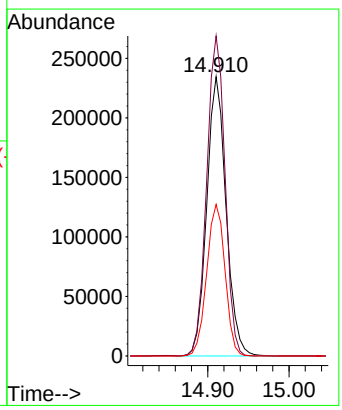


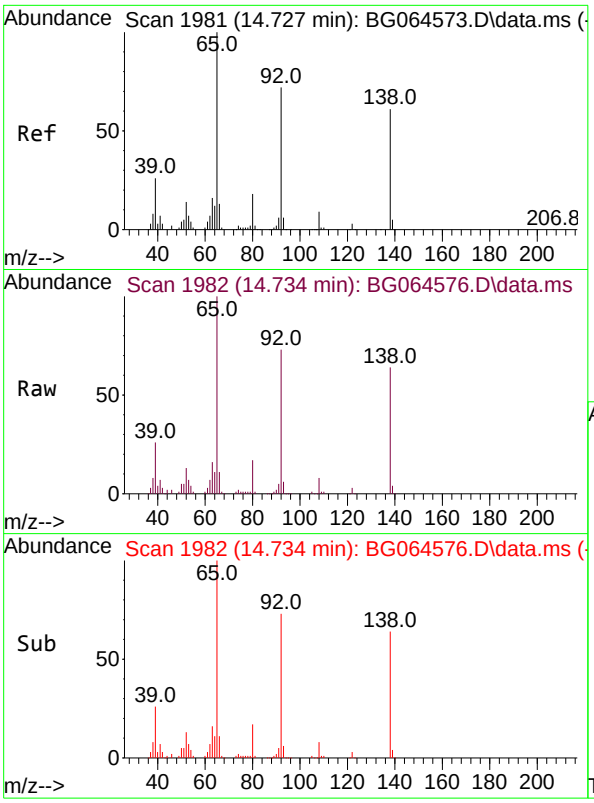


#52
Acenaphthene
Concen: 47.239 ng
RT: 14.910 min Scan# 2012
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:154 Resp: 388012

Ion	Ratio	Lower	Upper
154	100		
153	114.6	92.2	138.4
152	54.3	43.2	64.8





#53
3-Nitroaniline
Concen: 53.405 ng
RT: 14.734 min Scan# 19
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:138 Resp: 99748

Ion	Ratio	Lower	Upper
138	100		
108	12.6	11.4	17.0
92	114.8	95.3	142.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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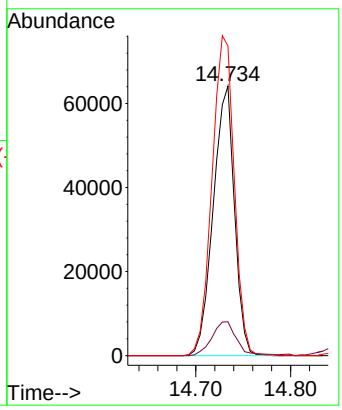
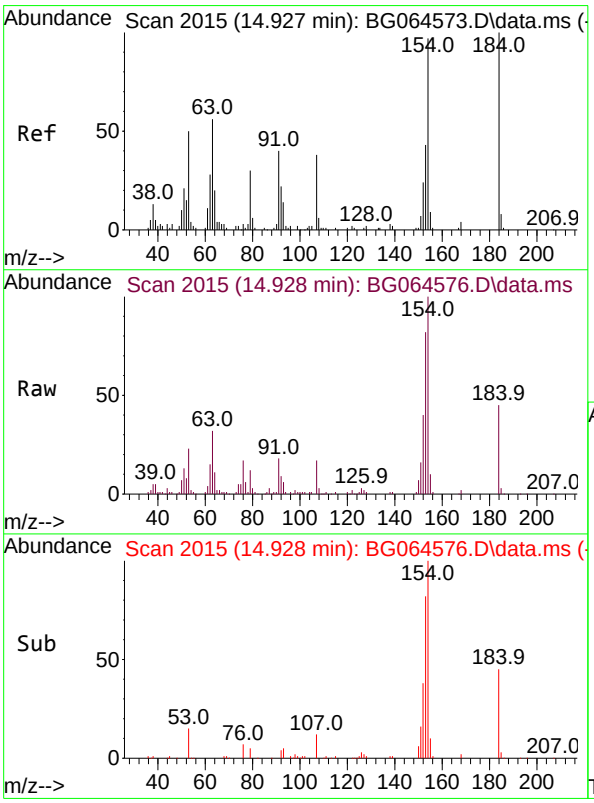
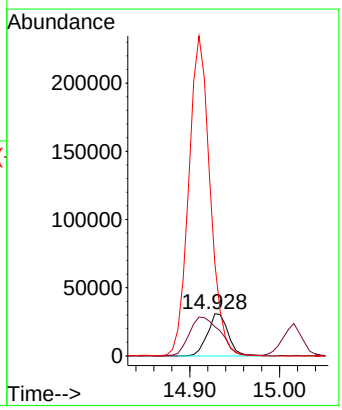


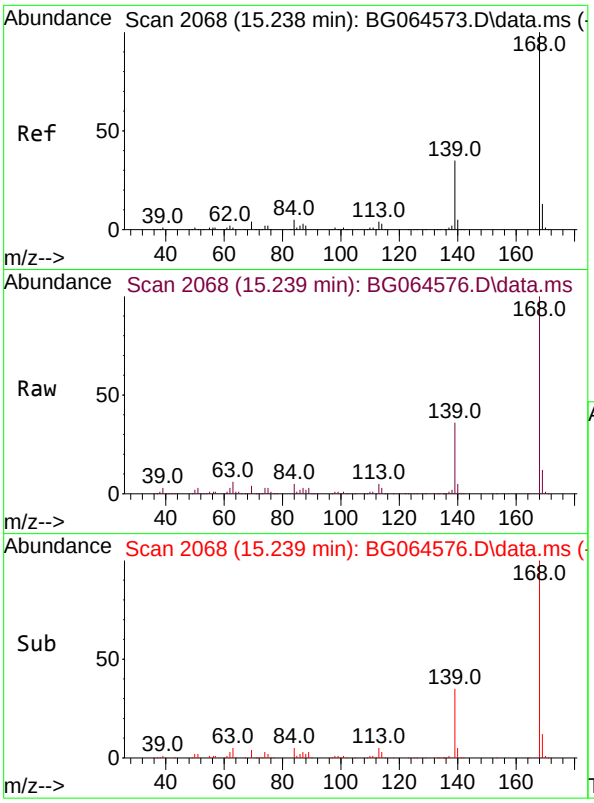


#54
2,4-Dinitrophenol
Concen: 47.268 ng
RT: 14.928 min Scan# 2015
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:184 Resp: 49318

Ion	Ratio	Lower	Upper
184	100		
63	69.5	56.6	85.0
154	219.8	158.6	238.0





#55
Dibenzofuran
Concen: 46.355 ng
RT: 15.239 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:168 Resp: 61555

Ion	Ratio	Lower	Upper
168	100		
139	35.5	27.8	41.8
169	12.5	10.3	15.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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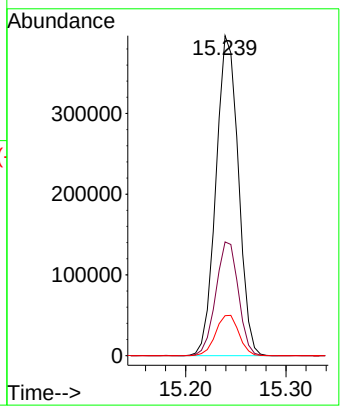
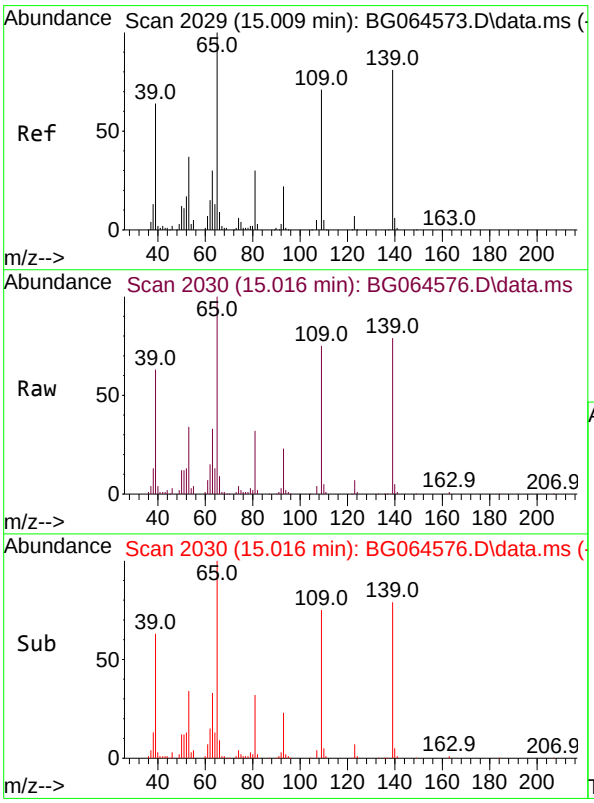
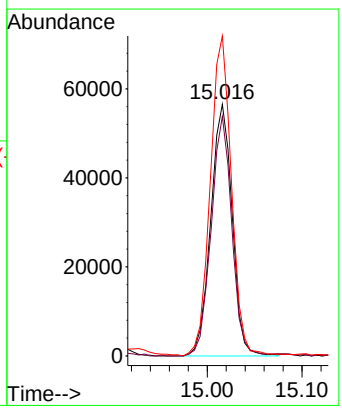


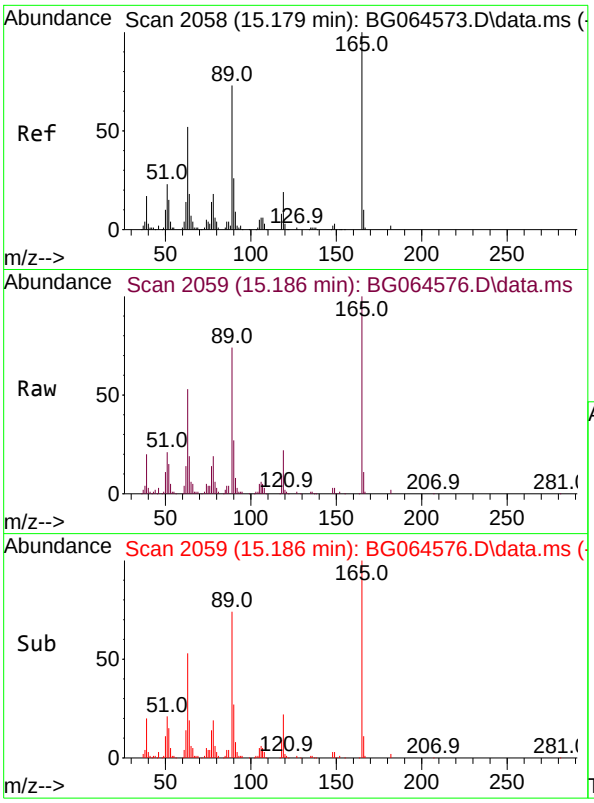


#56
4-Nitrophenol
Concen: 51.169 ng
RT: 15.016 min Scan# 2030
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:139 Resp: 88609

Ion	Ratio	Lower	Upper
139	100		
109	95.2	67.8	107.8
65	127.2	103.7	143.7





#57
2,4-Dinitrotoluene
Concen: 47.759 ng
RT: 15.186 min Scan# 2(
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 13237

Ion	Ratio	Lower	Upper
165	100		
63	52.8	41.8	62.8
89	73.6	58.1	87.1
182	2.2	1.4	2.0#

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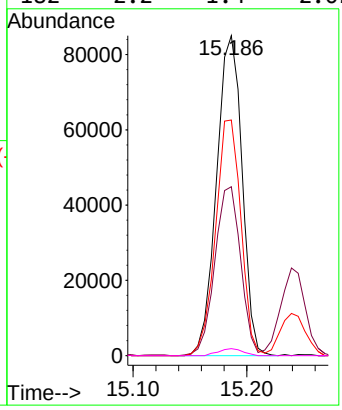
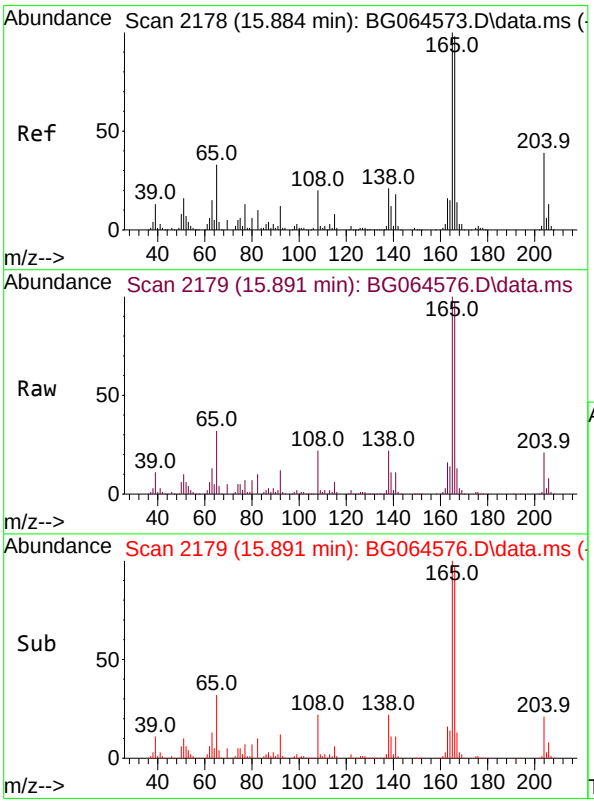
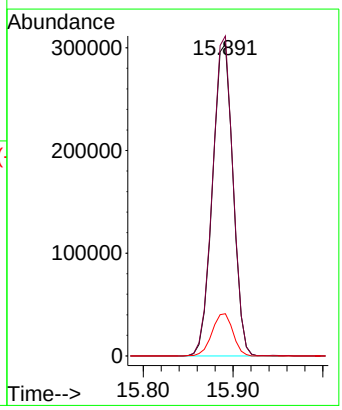


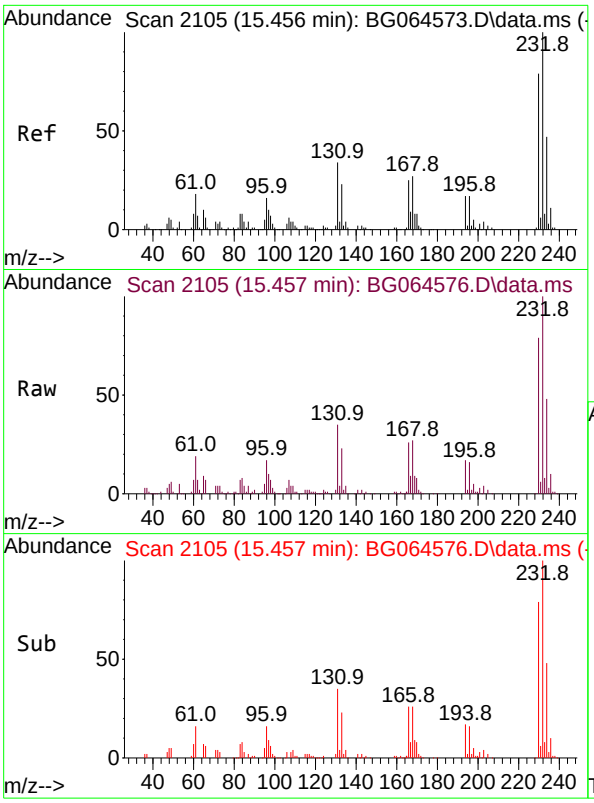


#58
Fluorene
Concen: 46.441 ng
RT: 15.891 min Scan# 2179
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:166 Resp: 481625

Ion	Ratio	Lower	Upper
166	100		
165	102.6	81.5	122.3
167	13.5	11.4	17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.440 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 15778

Ion	Ratio	Lower	Upper
232	100		
131	33.9	26.7	40.1
130	2.1	1.6	2.4
166	25.7	20.5	30.7

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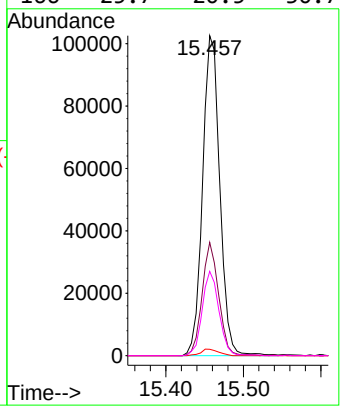
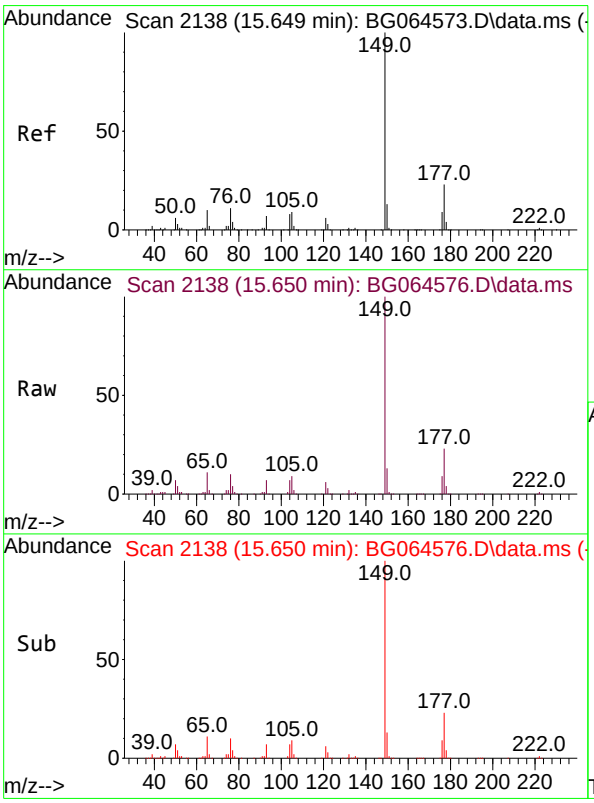
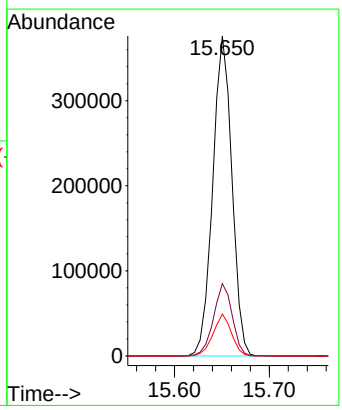


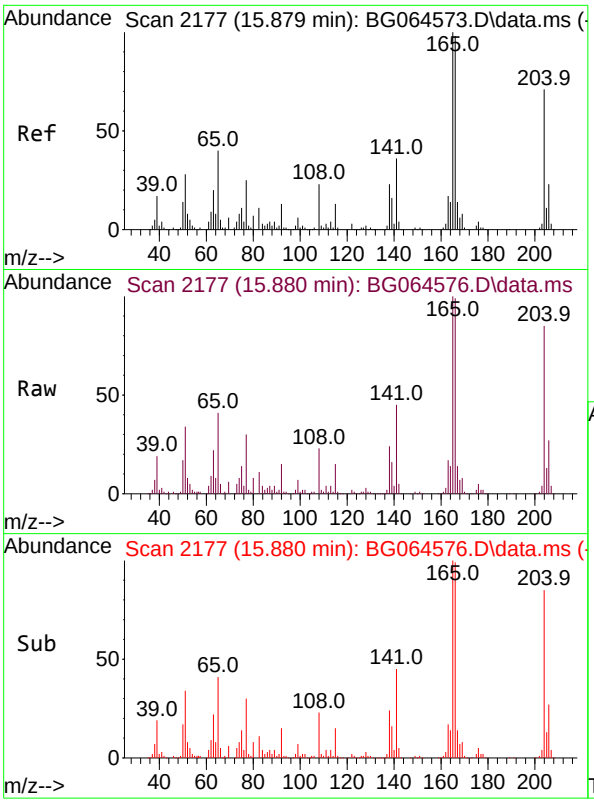


#60
Diethylphthalate
Concen: 47.543 ng
RT: 15.650 min Scan# 2138
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 527594

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.0	27.0
150	13.1	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 46.576 ng
RT: 15.880 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:204 Resp: 271068

Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.6	38.4
141	53.3	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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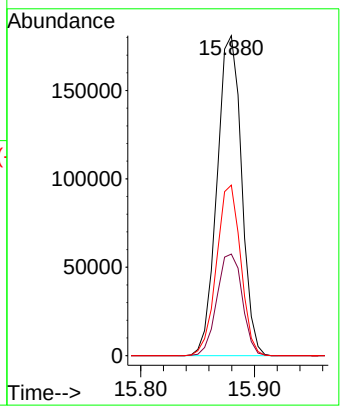
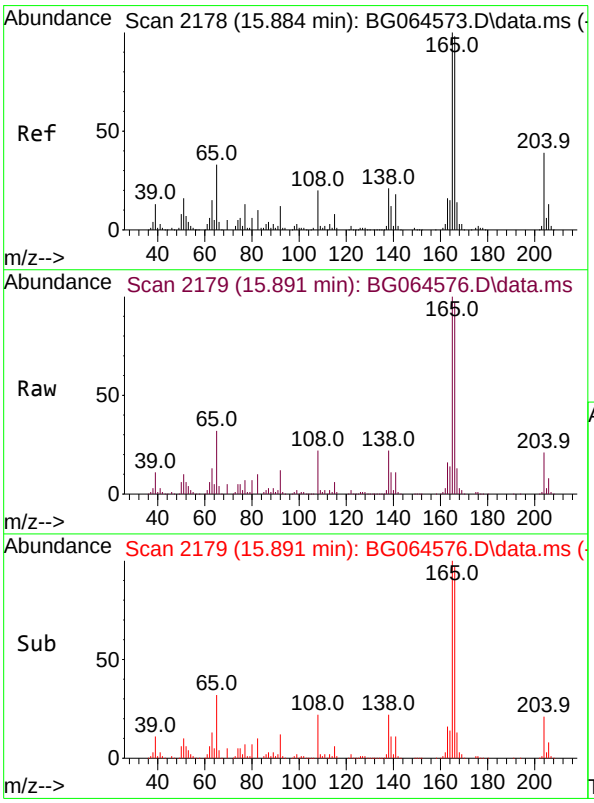
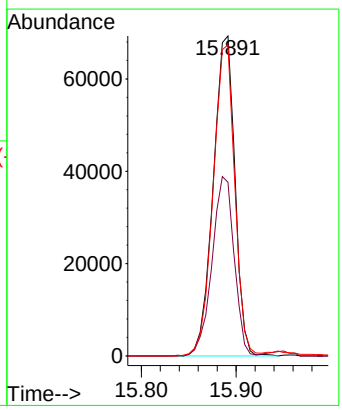


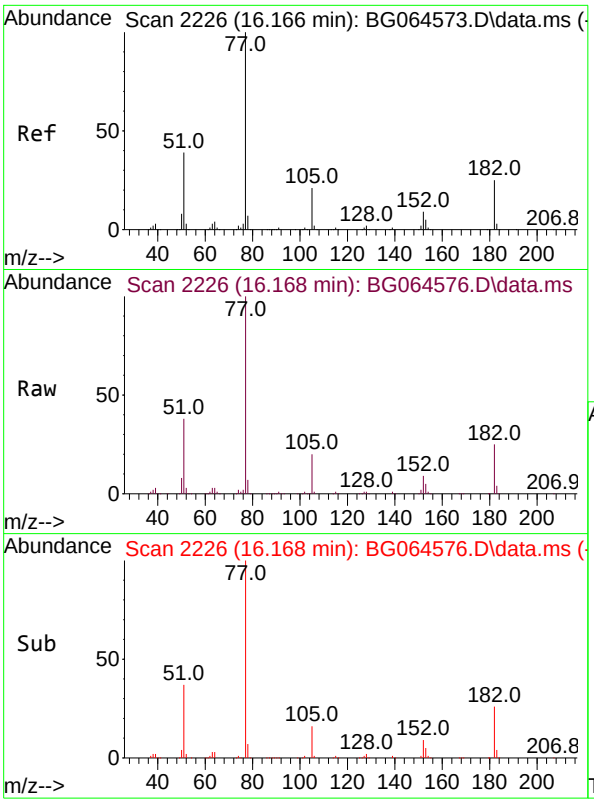


#62
4-Nitroaniline
Concen: 52.970 ng
RT: 15.891 min Scan# 2179
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:138 Resp: 110067

Ion	Ratio	Lower	Upper
138	100		
92	54.3	36.1	76.1
108	97.2	75.6	115.6

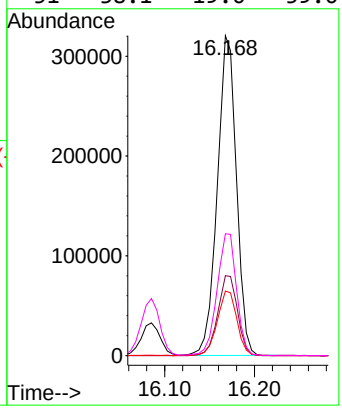




#63
Azobenzene
Concen: 46.671 ng
RT: 16.168 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 47520

Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.9	44.9
105	20.2	1.3	41.3
51	38.1	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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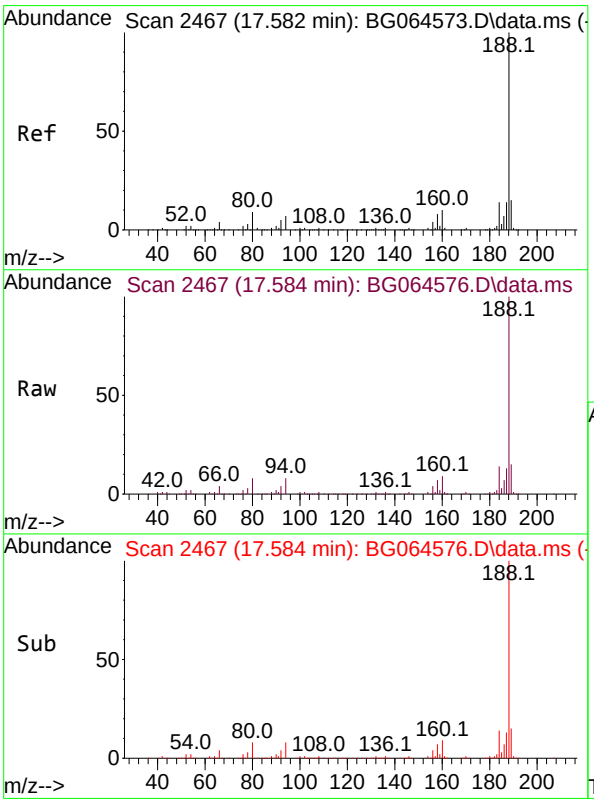
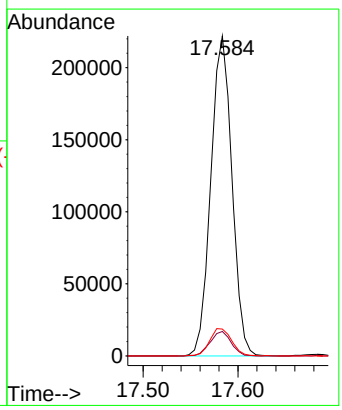
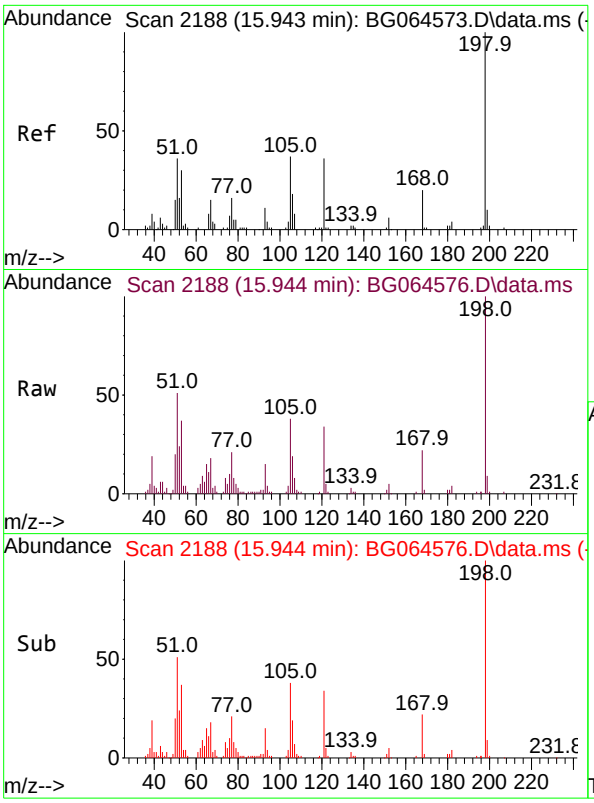


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.584 min Scan# 2467
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:188 Resp: 343365

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.7	8.5
80	8.4	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 47.500 ng
RT: 15.944 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:198 Resp: 7167

Ion	Ratio	Lower	Upper
198	100		
51	50.7	24.7	64.7
105	38.3	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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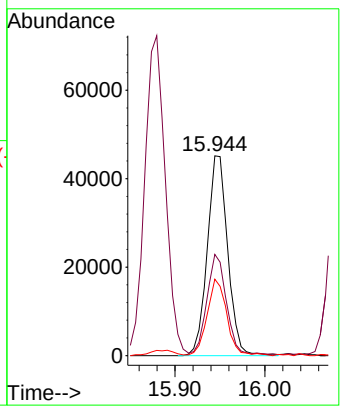
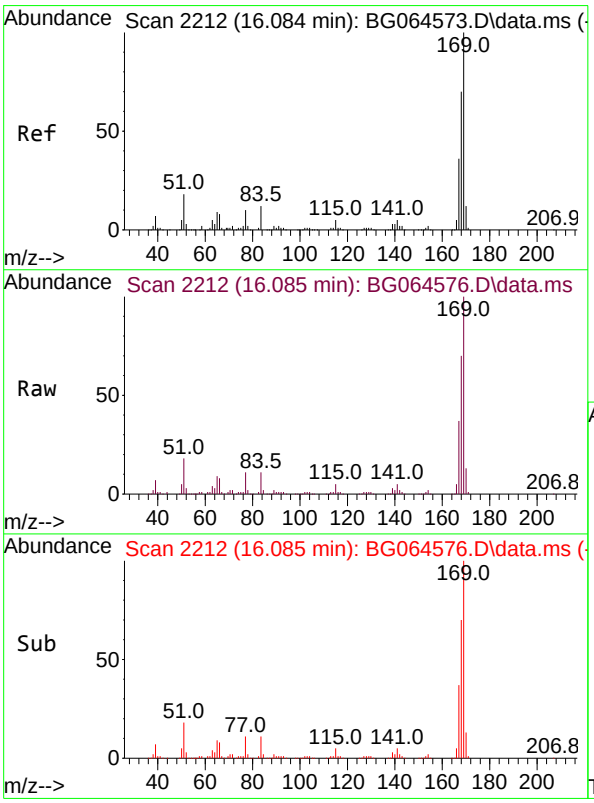
Supervised By :mohammad ahmed 11/05/2025

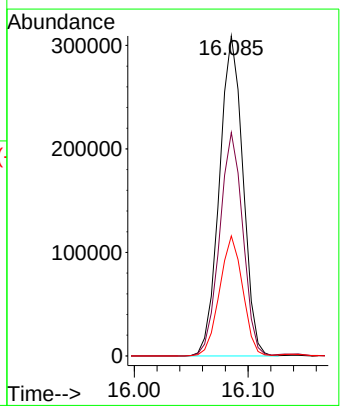


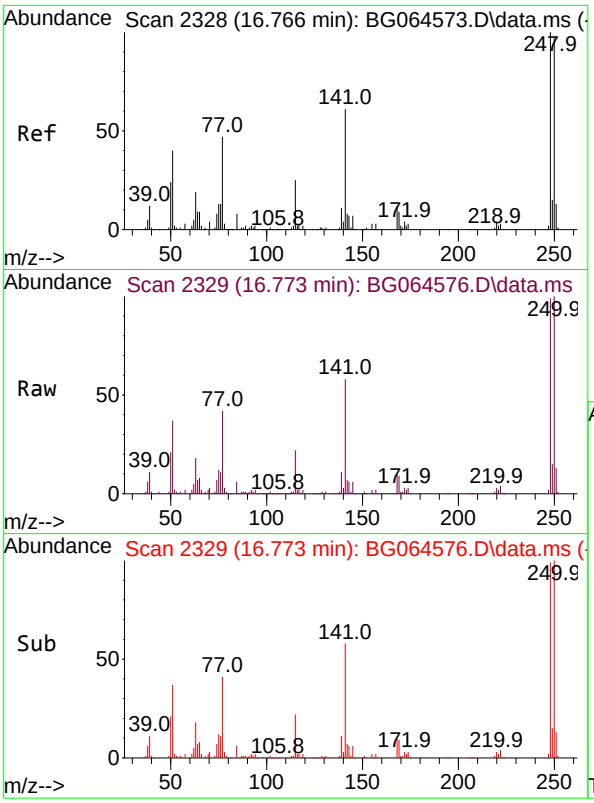


#66
n-Nitrosodiphenylamine
Concen: 47.959 ng
RT: 16.085 min Scan# 2212
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:169 Resp: 444824

Ion	Ratio	Lower	Upper
169	100		
168	69.8	56.3	84.5
167	37.5	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 48.225 ng
RT: 16.773 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:248 Resp: 19622

Ion	Ratio	Lower	Upper
248	100		
250	101.5	77.7	116.5
141	59.0	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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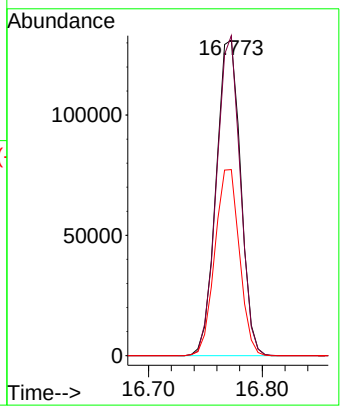
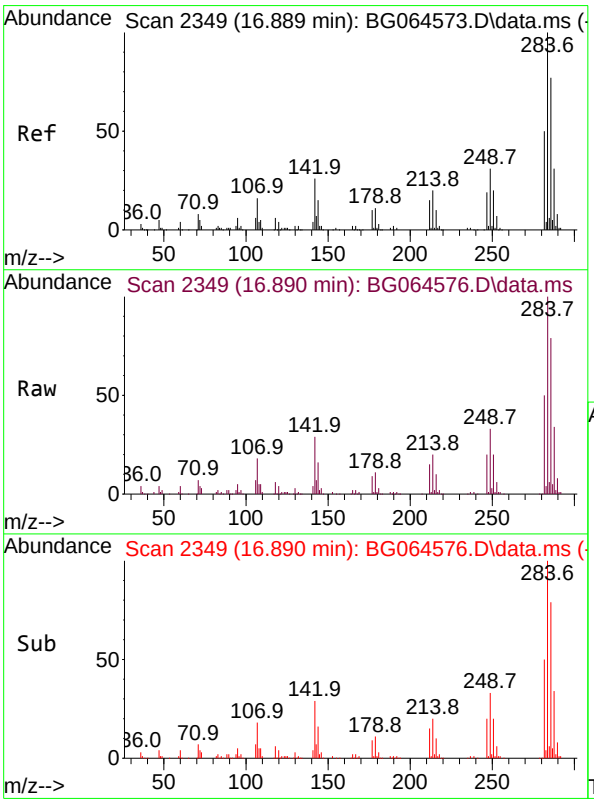
Supervised By :mohammad ahmed 11/05/2025

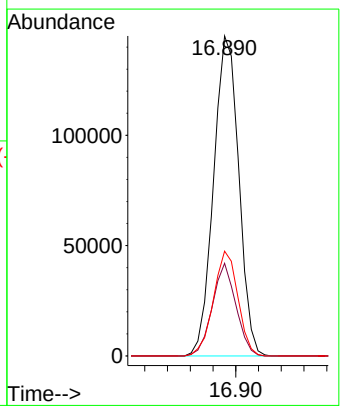


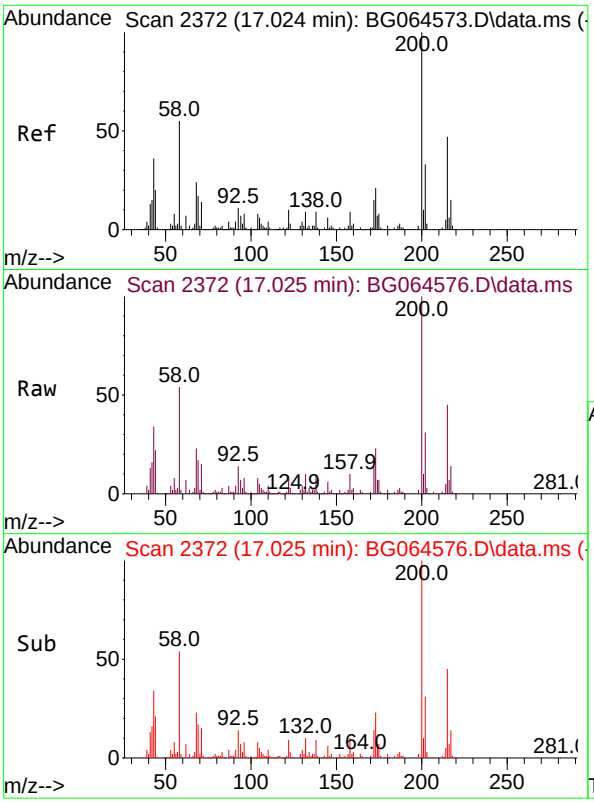


#68
Hexachlorobenzene
Concen: 48.043 ng
RT: 16.890 min Scan# 2349
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:284 Resp: 223018

Ion	Ratio	Lower	Upper
284	100		
142	28.9	21.0	31.6
249	35.3	24.9	37.3





#69
Atrazine
Concen: 47.066 ng
RT: 17.025 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:200 Resp: 18786

Ion	Ratio	Lower	Upper
200	100		
173	22.9	0.9	40.9
215	44.7	27.0	67.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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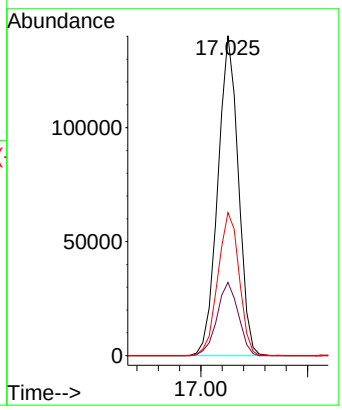
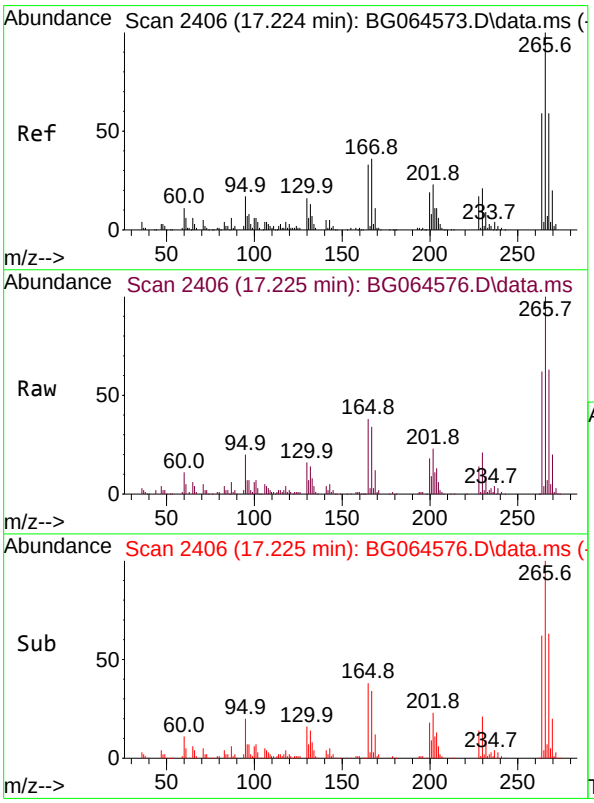
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

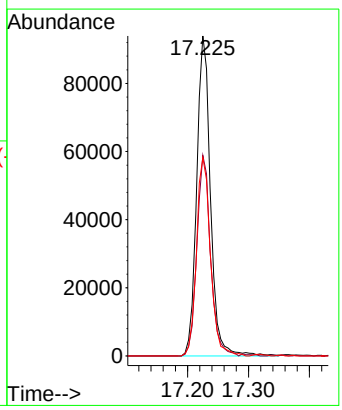


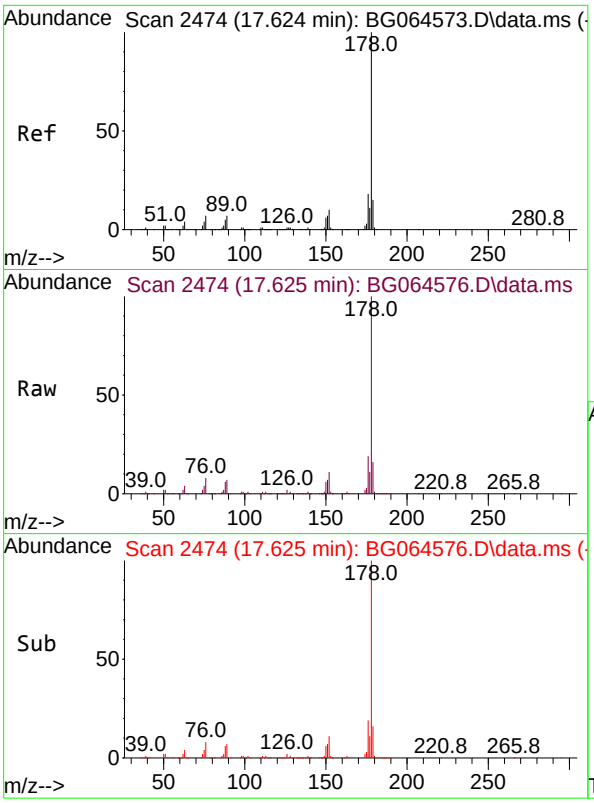


#70
Pentachlorophenol
Concen: 50.930 ng
RT: 17.225 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:266 Resp: 147427

Ion	Ratio	Lower	Upper
266	100		
268	67.9	50.3	75.5
264	62.0	47.3	70.9





#71
Phenanthrene
Concen: 46.621 ng
RT: 17.625 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:178 Resp: 87541

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	16.1	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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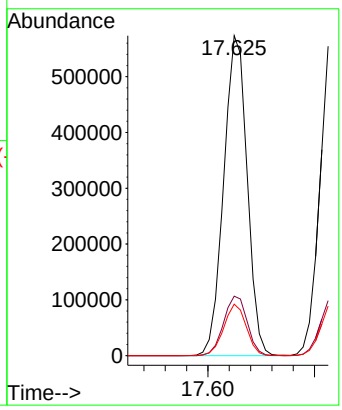
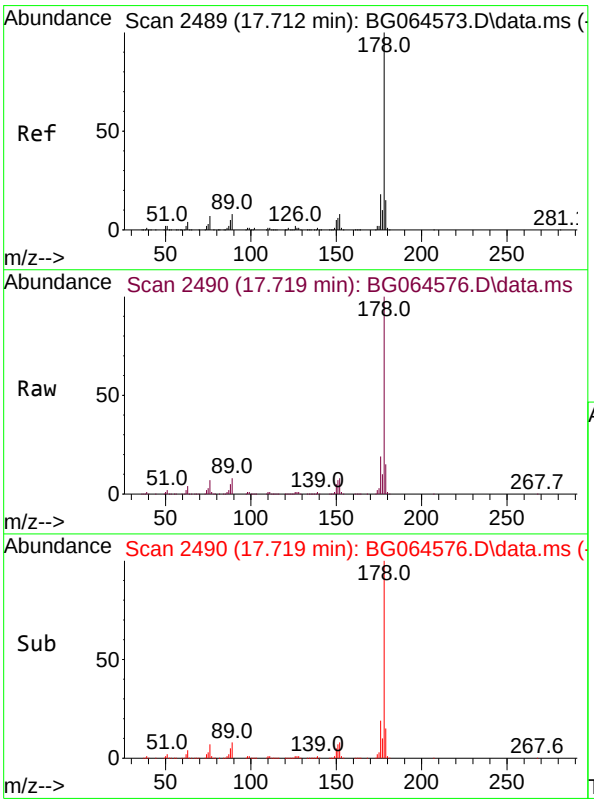
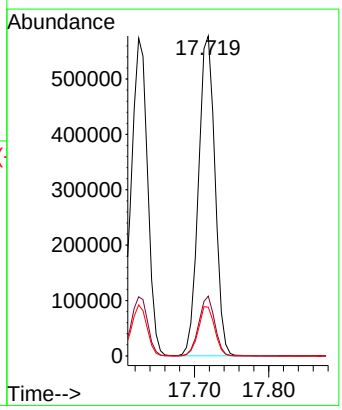


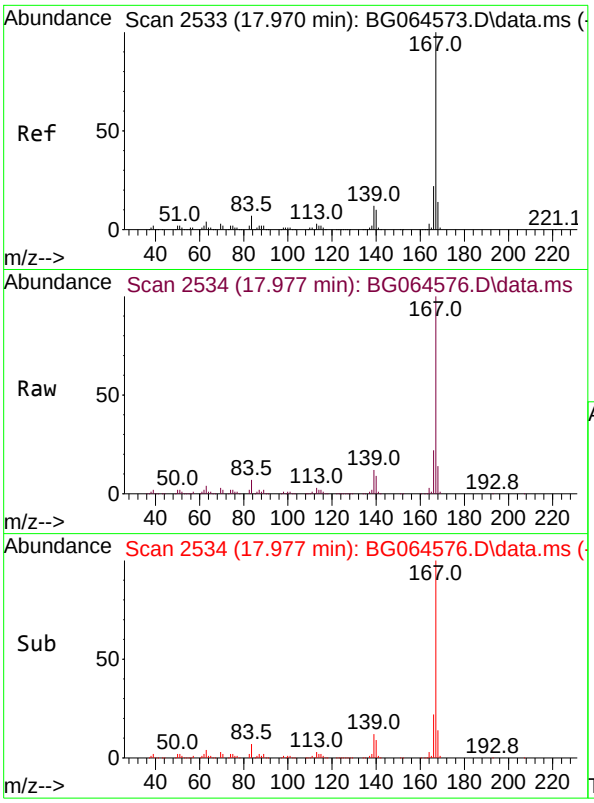


#72
Anthracene
Concen: 46.785 ng
RT: 17.719 min Scan# 2490
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:178 Resp: 893629

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.4	21.6
179	15.2	12.4	18.6





#73
Carbazole
Concen: 46.370 ng
RT: 17.977 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:167 Resp: 78103

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.3	9.7	14.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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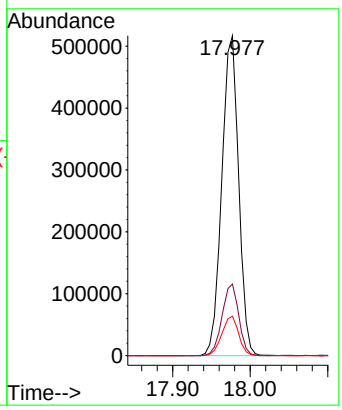
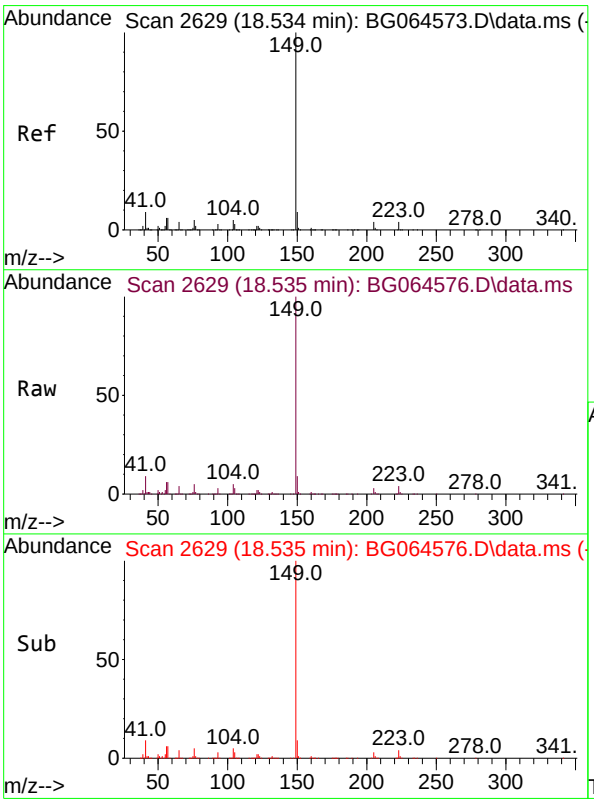
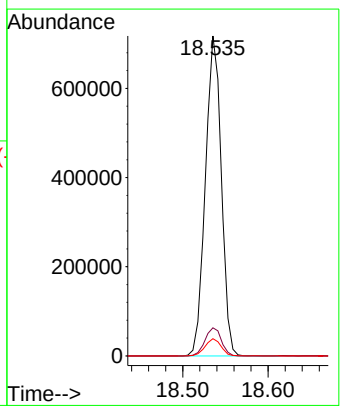


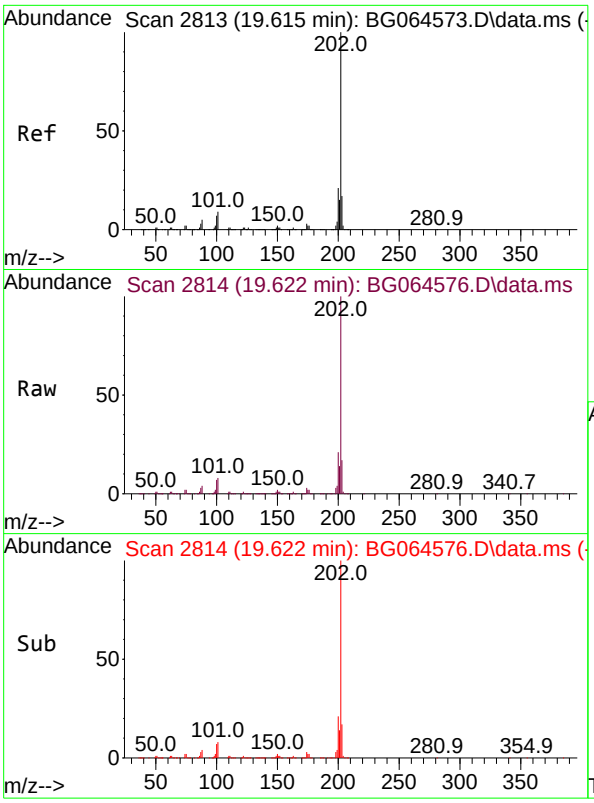


#74
Di-n-butylphthalate
Concen: 47.762 ng
RT: 18.535 min Scan# 2629
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 930281

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1





#75
Fluoranthene
Concen: 46.459 ng
RT: 19.622 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:202 Resp: 109285

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	28.7
203	17.3	0.0	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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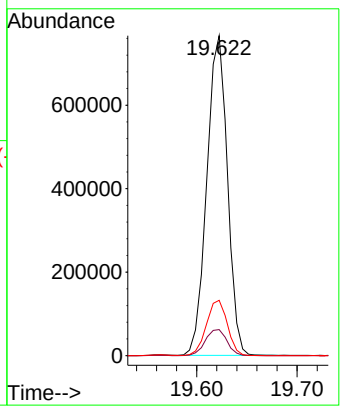
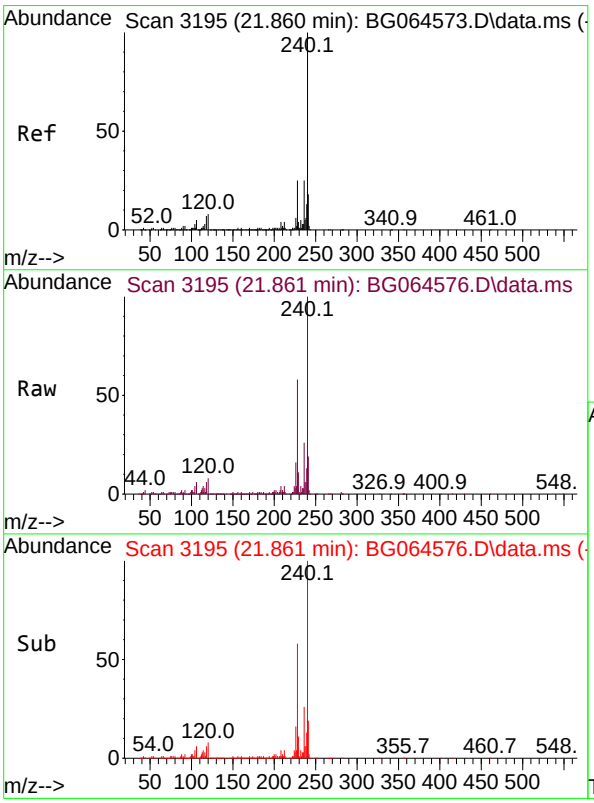
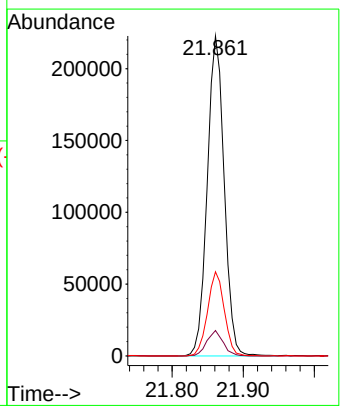


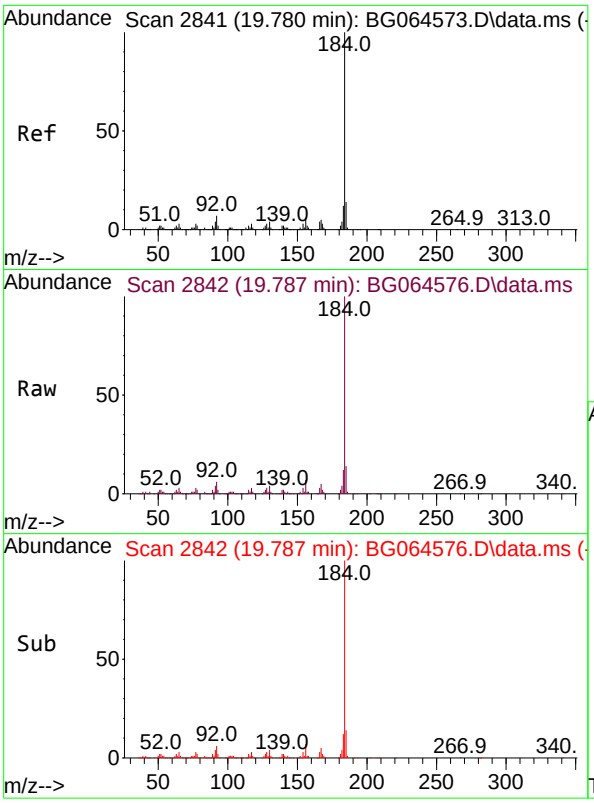


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3195
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:240 Resp: 367592

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	26.3	20.2	30.2





#77
Benzidine
Concen: 46.435 ng
RT: 19.787 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:184 Resp: 382418

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.8	9.4	14.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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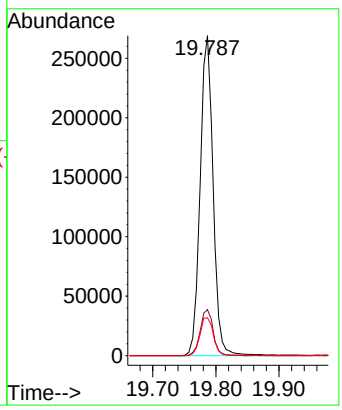
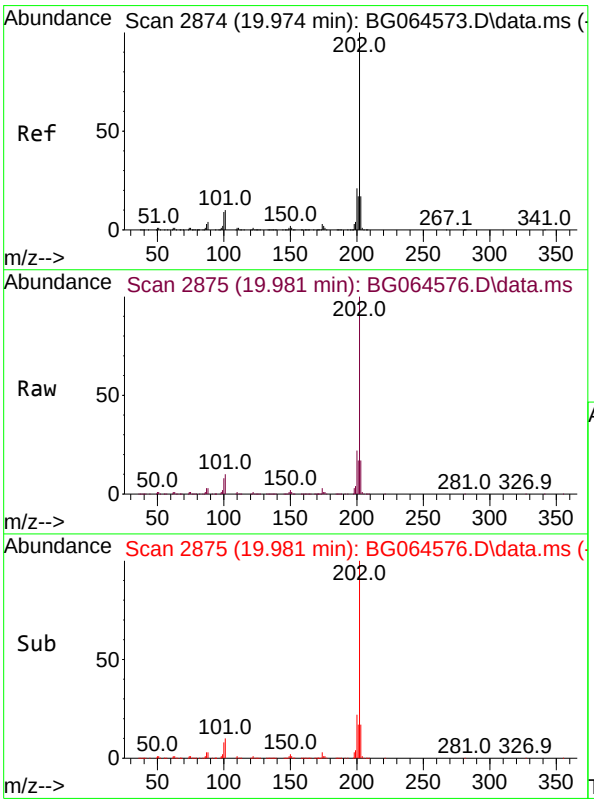
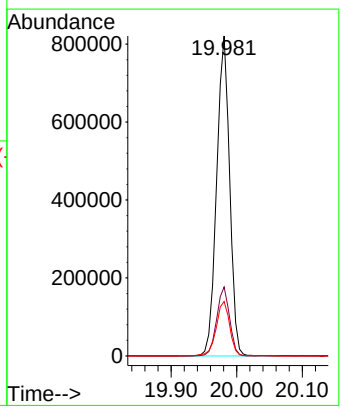


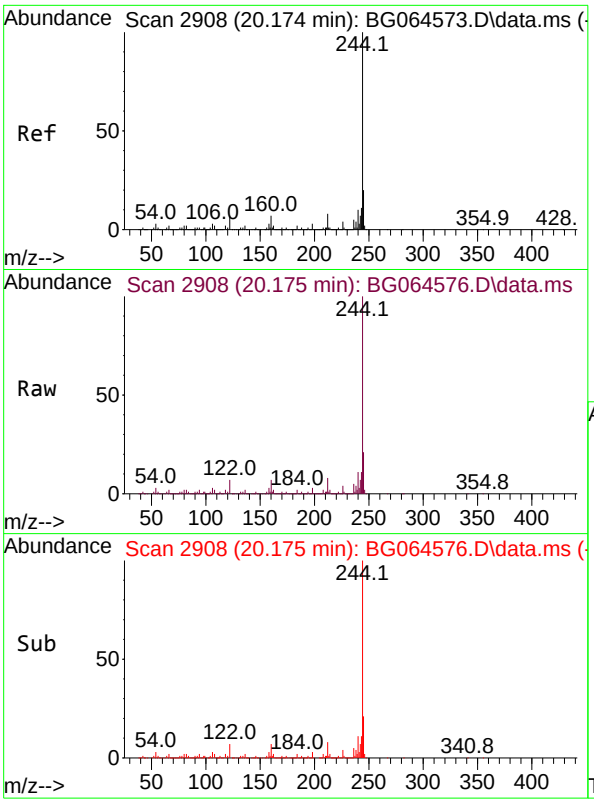


#78
Pyrene
Concen: 47.190 ng
RT: 19.981 min Scan# 2875
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:202 Resp: 1133345

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	17.0	13.8	20.6





#79
Terphenyl-d14
Concen: 93.162 ng
RT: 20.175 min Scan# 29
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:244 Resp: 181466

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	6.9	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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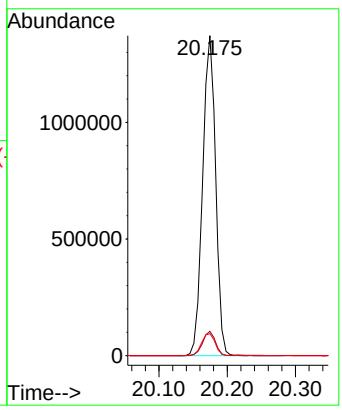
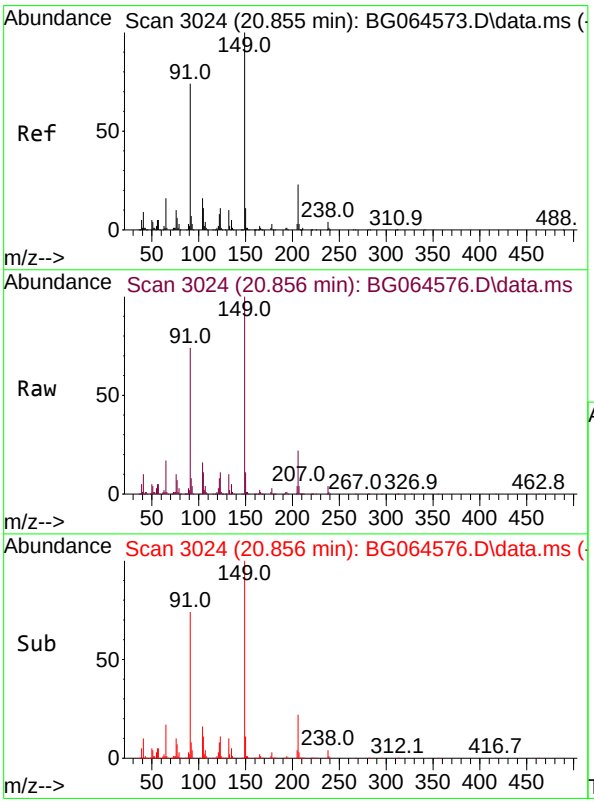
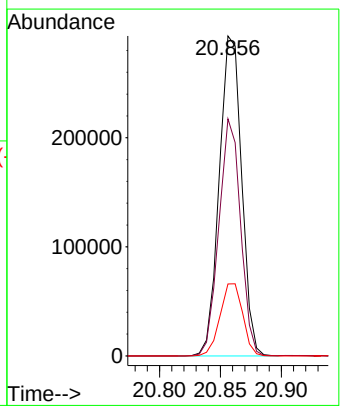


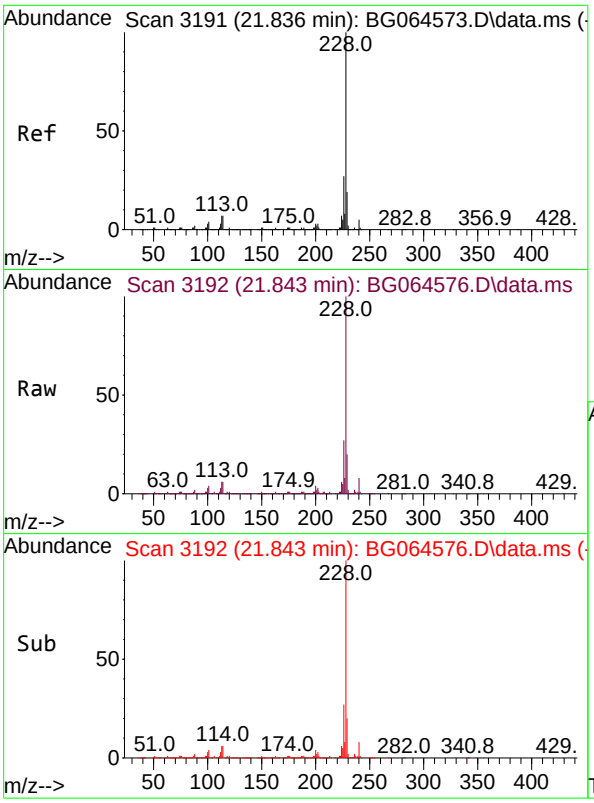


#80
Butylbenzylphthalate
Concen: 51.609 ng
RT: 20.856 min Scan# 3024
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 374611

Ion	Ratio	Lower	Upper
149	100		
91	74.1	59.2	88.8
206	22.5	18.1	27.1





#81
Benzo(a)anthracene
Concen: 47.234 ng
RT: 21.843 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:228 Resp: 115124

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	20.1	15.6	23.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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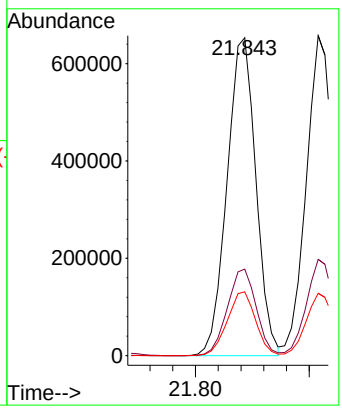
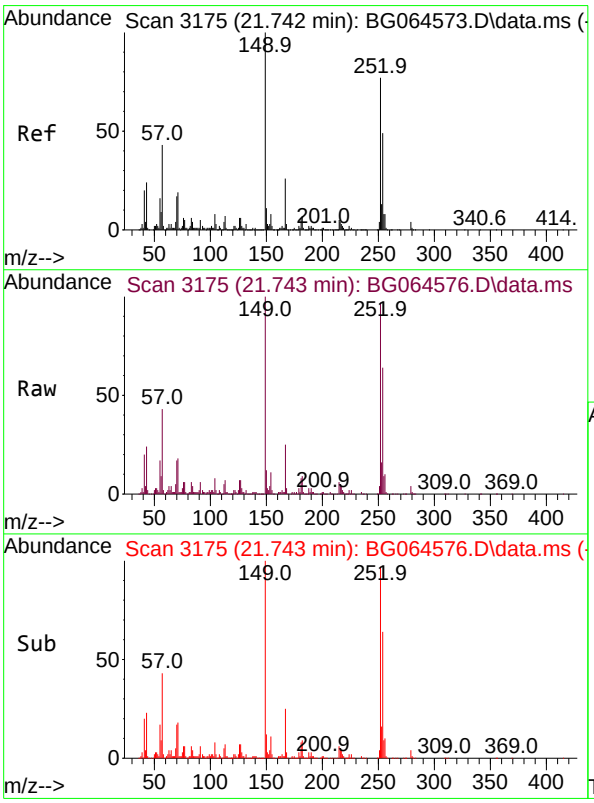
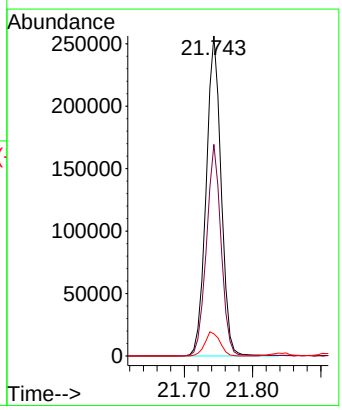


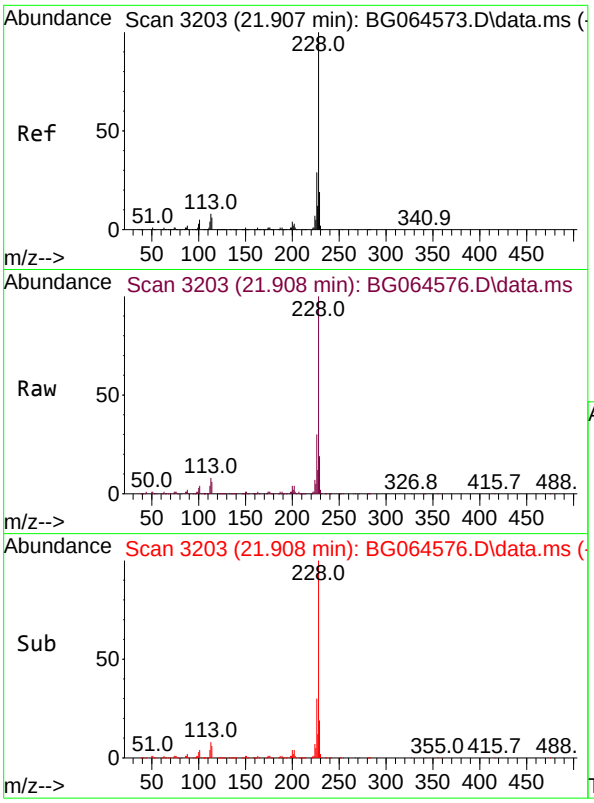


#82
3,3'-Dichlorobenzidine
Concen: 47.824 ng
RT: 21.743 min Scan# 3175
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 389240

Ion	Ratio	Lower	Upper
252	100		
254	66.1	50.8	76.2
126	6.9	5.8	8.6





#83
Chrysene
Concen: 47.062 ng
RT: 21.908 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:228 Resp: 109145

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.3	34.9
229	19.5	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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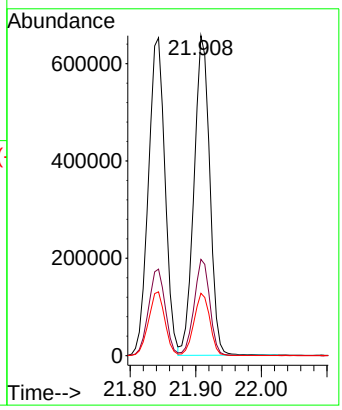
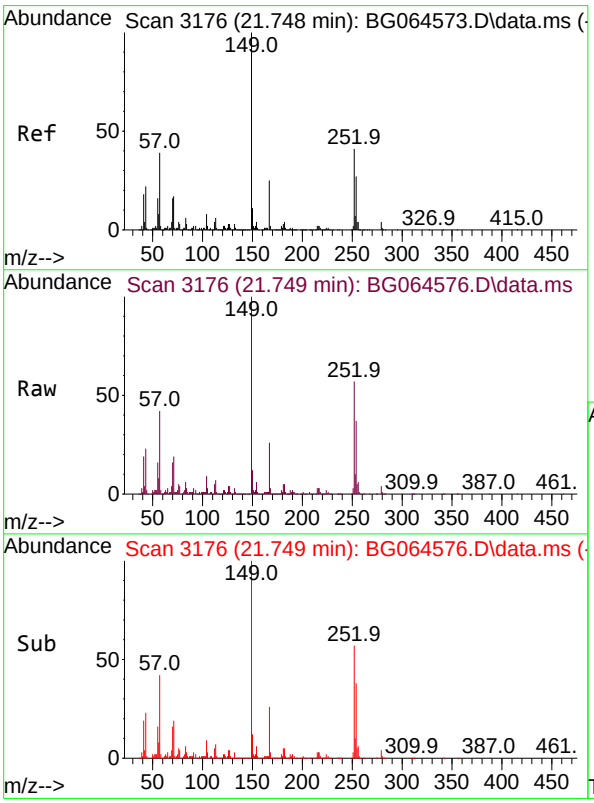
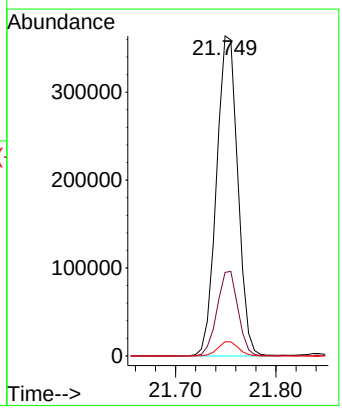


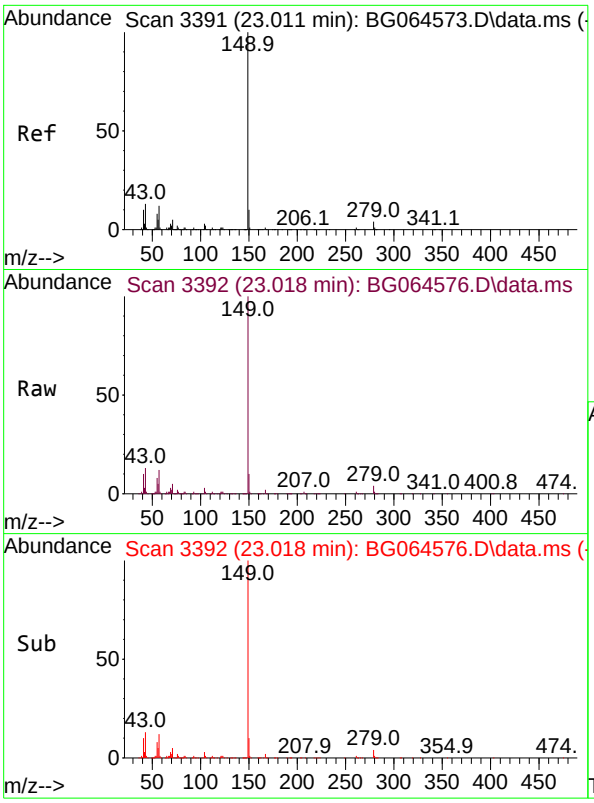


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.576 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 537716

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.0	30.0
279	4.4	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 49.039 ng
RT: 23.018 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 89676

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.1	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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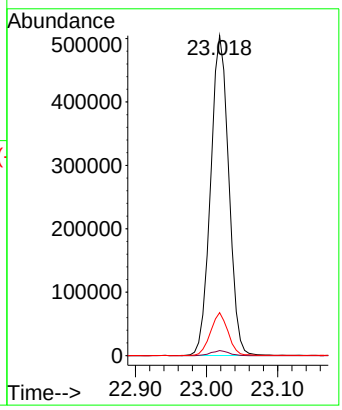
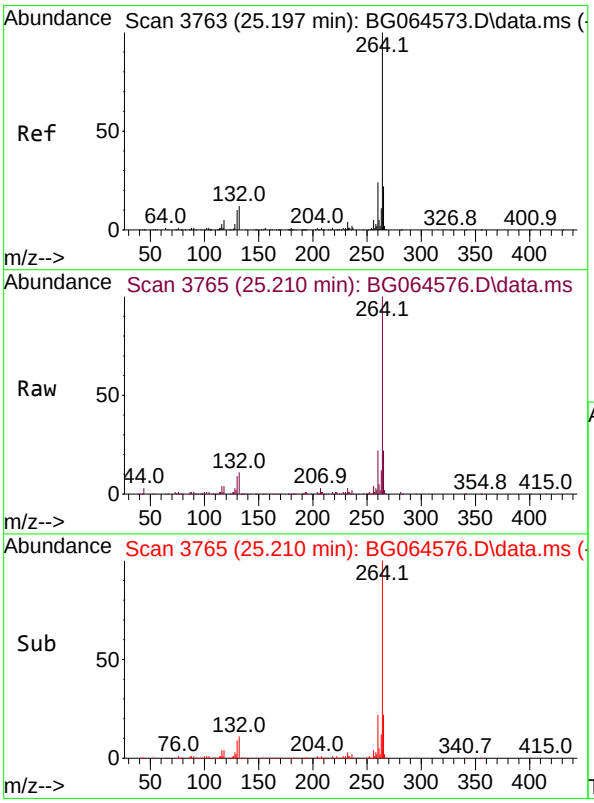
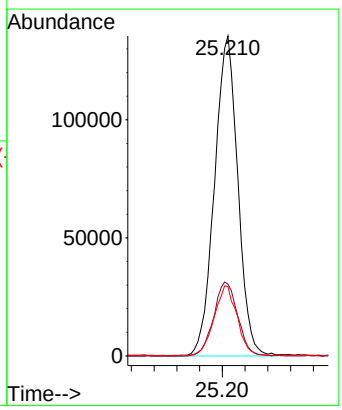


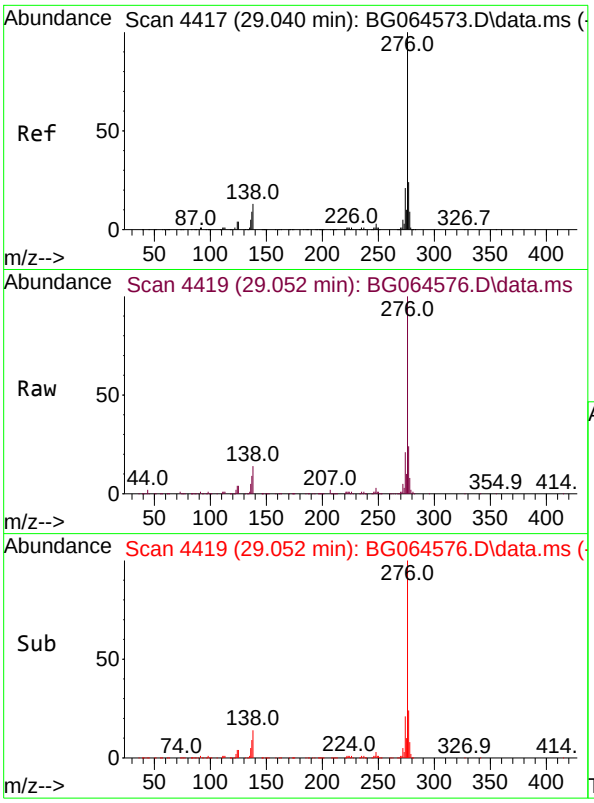


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.210 min Scan# 3765
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:264 Resp: 385865

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.0	28.4
265	21.7	17.6	26.4

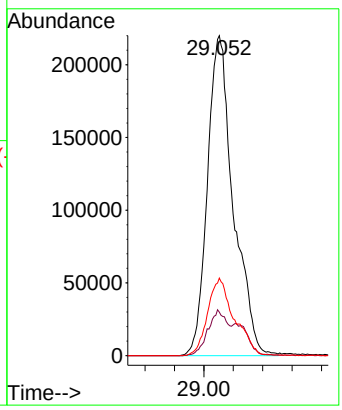




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.425 ng
RT: 29.052 min Scan# 44
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 1346188

Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.8	16.2
277	24.8	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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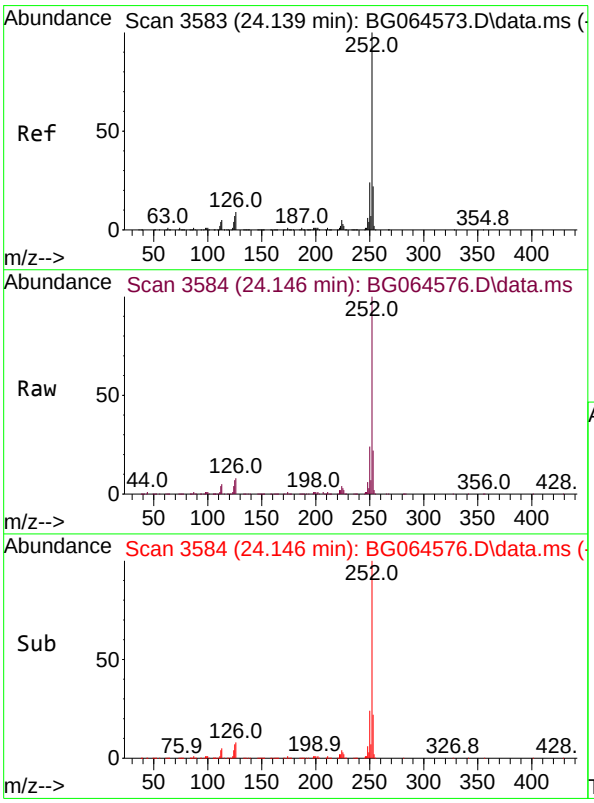
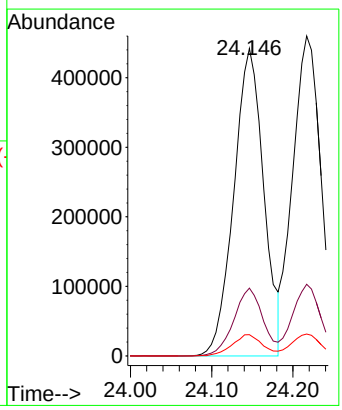
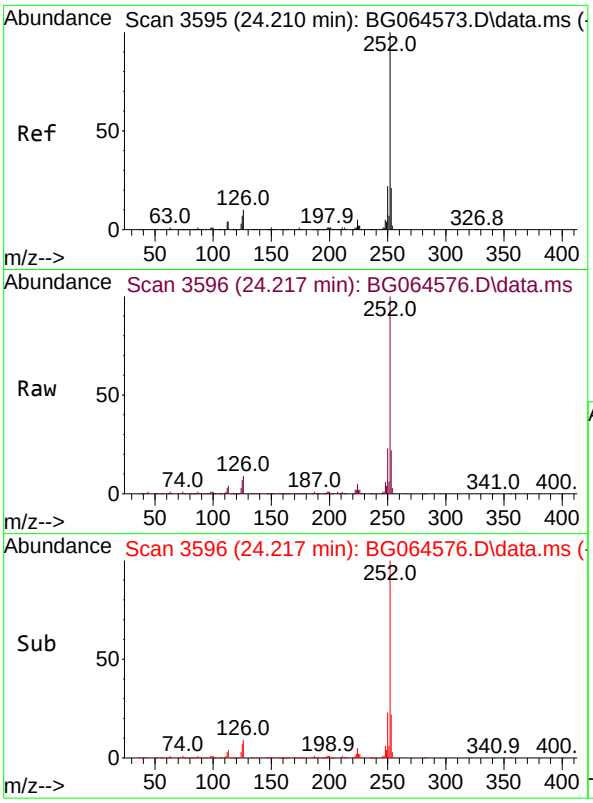


#88
Benzo(b)fluoranthene
Concen: 47.810 ng
RT: 24.146 min Scan# 3584
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 1131250

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	6.9	5.6	8.4





#89
Benzo(k)fluoranthene
Concen: 46.901 ng
RT: 24.217 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

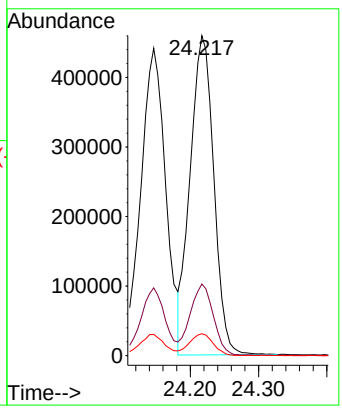
Tgt Ion:252 Resp: 1110490

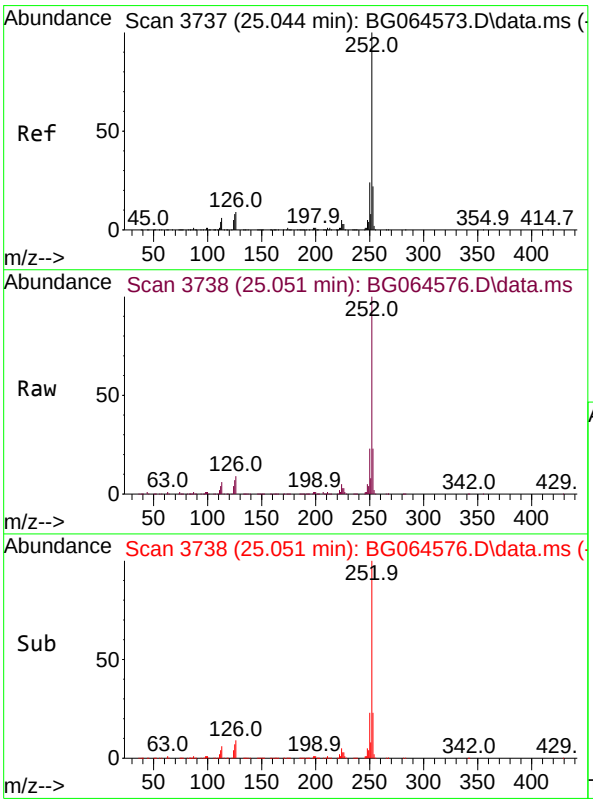
Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.8	25.2
125	6.8	5.4	8.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

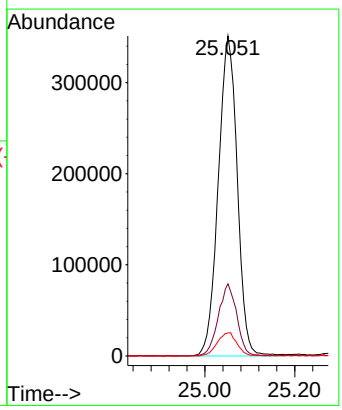


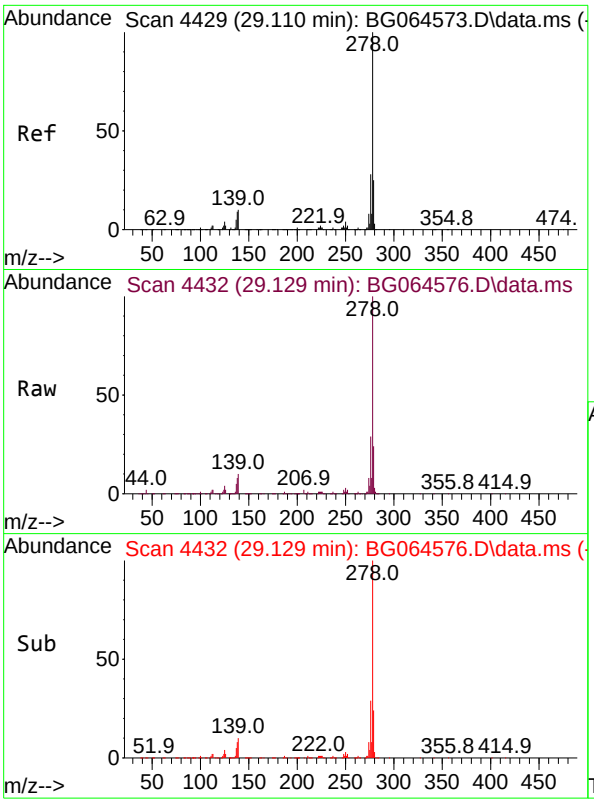


#90
Benzo(a)pyrene
Concen: 47.339 ng
RT: 25.051 min Scan# 3738
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 1029605

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	7.2	6.1	9.1





#91
Dibenzo(a,h)anthracene
Concen: 47.283 ng
RT: 29.129 min Scan# 4
Delta R.T. 0.019 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

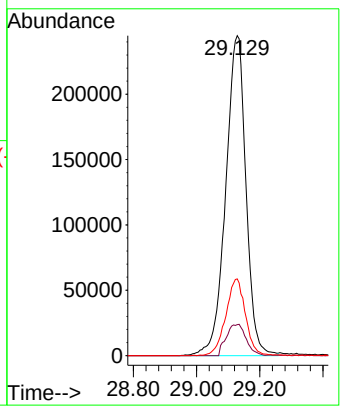
Tgt Ion:278 Resp: 109040

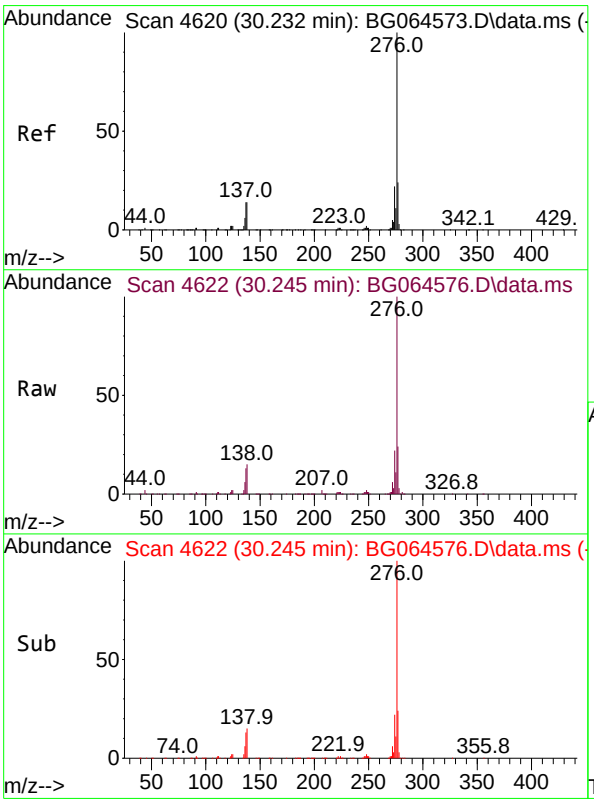
Ion	Ratio	Lower	Upper
278	100		
139	9.7	8.0	12.0
279	24.0	19.8	29.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

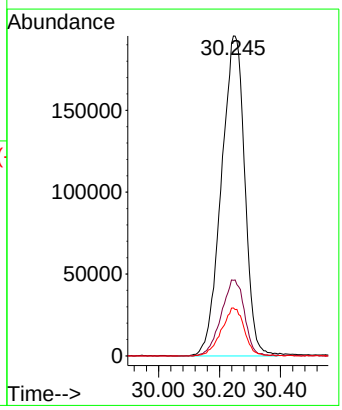




#92
Benzo(g,h,i)perylene
Concen: 47.184 ng
RT: 30.245 min Scan# 4622
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 1039447

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	15.0	11.3	16.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	8.222	152	37186	20.000 ng	0.00
21) Naphthalene-d8	11.048	136	157125	20.000 ng	0.00
39) Acenaphthene-d10	14.844	164	124202	20.000 ng	0.00
64) Phenanthrene-d10	17.582	188	290051	20.000 ng	0.00
76) Chrysene-d12	21.859	240	293608	20.000 ng	0.00
86) Perylene-d12	25.202	264	306886	20.000 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	5.743	112	156266	70.535 ng	0.00
7) Phenol-d6	7.353	99	225294	74.109 ng	0.00
23) Nitrobenzene-d5	9.386	82	200749	76.738 ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	134578	75.074 ng	0.00
45) 2-Fluorobiphenyl	13.475	172	594887	72.599 ng	0.00
79) Terphenyl-d14	20.173	244	1151597	74.019 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.586	88	33172	33.820 ng	97
3) Pyridine	3.998	79	98123	33.313 ng	95
4) n-Nitrosodimethylamine	3.898	42	56903	36.025 ng	98
6) Aniline	7.529	93	157683	38.118 ng	99
8) 2-Chlorophenol	7.776	128	85755	36.981 ng	96
9) Benzaldehyde	7.341	77	84516	50.923 ng	95
10) Phenol	7.376	94	122412	36.410 ng	98
11) bis(2-Chloroethyl)ether	7.623	93	86447	34.973 ng	99
12) 1,3-Dichlorobenzene	8.111	146	96308	36.085 ng	94
13) 1,4-Dichlorobenzene	8.257	146	102132	37.634 ng	96
14) 1,2-Dichlorobenzene	8.581	146	96651	36.924 ng	97
15) Benzyl Alcohol	8.445	79	95250	37.995 ng	98
16) 2,2'-oxybis(1-Chloropr...	8.745	45	234476	36.163 ng	98
17) 2-Methylphenol	8.651	107	85863	38.466 ng	93
18) Hexachloroethane	9.327	117	34040	35.743 ng	96
19) n-Nitroso-di-n-propyla...	9.027	70	83140	39.572 ng	96
20) 3+4-Methylphenols	8.974	107	118917	37.882 ng	96
22) Acetophenone	9.045	105	162385	37.806 ng	97
24) Nitrobenzene	9.427	77	111836	39.305 ng	97
25) Isophorone	9.955	82	236860	37.733 ng	99
26) 2-Nitrophenol	10.143	139	38013	35.498 ng	97
27) 2,4-Dimethylphenol	10.196	122	94545	40.491 ng	99
28) bis(2-Chloroethoxy)met...	10.437	93	132072	36.953 ng	99
29) 2,4-Dichlorophenol	10.684	162	95966	38.190 ng	97
30) 1,2,4-Trichlorobenzene	10.907	180	108339	37.945 ng	97
31) Naphthalene	11.101	128	311084	35.709 ng	100
32) Benzoic acid	10.296	122	48162	29.620 ng	96
33) 4-Chloroaniline	11.189	127	139799	41.287 ng	99
34) Hexachlorobutadiene	11.389	225	78691	35.242 ng	97
35) Caprolactam	11.941	113	35011	36.326 ng	93
36) 4-Chloro-3-methylphenol	12.294	107	114927	38.049 ng	98
37) 2-Methylnaphthalene	12.693	142	213545	33.388 ng	98
38) 1-Methylnaphthalene	12.911	142	224857	35.513 ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	154838	37.146 ng	99
41) Hexachlorocyclopentadiene	13.040	237	95065	50.669 ng	98
43) 2,4,6-Trichlorophenol	13.281	196	92335	38.726 ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	102433	37.228 ng		99
46) 1,1'-Biphenyl	13.686	154	329629	37.331 ng		99
47) 2-Chloronaphthalene	13.727	162	241311	36.205 ng		97
48) 2-Nitroaniline	13.910	65	78927	36.129 ng		96
49) Acenaphthylene	14.568	152	435836	41.457 ng		98
50) Dimethylphthalate	14.292	163	350600	36.890 ng		100
51) 2,6-Dinitrotoluene	14.403	165	61784	39.971 ng		100
52) Acenaphthene	14.908	154	253833	35.340 ng		98
53) 3-Nitroaniline	14.726	138	68729	42.080 ng		99
54) 2,4-Dinitrophenol	14.926	184	29394	33.991 ng	#	56
55) Dibenzofuran	15.237	168	419154	36.096 ng		97
56) 4-Nitrophenol	15.014	139	51210	33.818 ng		92
57) 2,4-Dinitrotoluene	15.185	165	85201	35.957 ng		96
58) Fluorene	15.890	166	328636	36.238 ng		99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	106626	40.525 ng		97
60) Diethylphthalate	15.649	149	348964	35.961 ng		99
61) 4-Chlorophenyl-phenyle...	15.878	204	182714	35.902 ng		99
62) 4-Nitroaniline	15.884	138	68807	37.867 ng		97
63) Azobenzene	16.172	77	323432	36.325 ng		97
65) 4,6-Dinitro-2-methylph...	15.943	198	42391	34.885 ng		94
66) n-Nitrosodiphenylamine	16.084	169	300274	38.325 ng		98
67) 4-Bromophenyl-phenylether	16.771	248	130765	38.044 ng		97
68) Hexachlorobenzene	16.888	284	144974	36.971 ng		96
69) Atrazine	17.024	200	130007	38.558 ng		96
70) Pentachlorophenol	17.223	266	85166	34.829 ng		90
71) Phenanthrene	17.623	178	569825	35.925 ng		99
72) Anthracene	17.717	178	584246	36.210 ng		99
73) Carbazole	17.975	167	498849	35.061 ng		99
74) Di-n-butylphthalate	18.534	149	570718	34.688 ng		99
75) Fluoranthene	19.621	202	676996	34.070 ng		99
77) Benzidine	19.785	184	356547	54.203 ng		99
78) Pyrene	19.979	202	693068	36.130 ng		99
80) Butylbenzylphthalate	20.854	149	224386	38.702 ng		98
81) Benzo(a)anthracene	21.836	228	706428	36.287 ng		99
82) 3,3'-Dichlorobenzidine	21.742	252	265324	40.813 ng		96
83) Chrysene	21.906	228	658217	35.533 ng		98
84) Bis(2-ethylhexyl)phtha...	21.747	149	324614	37.470 ng		96
85) Di-n-octyl phthalate	23.017	149	527097	36.087 ng		99
87) Indeno(1,2,3-cd)pyrene	29.045	276	820974	36.366 ng		99
88) Benzo(b)fluoranthene	24.139	252	681881	36.235 ng		99
89) Benzo(k)fluoranthene	24.209	252	701500	37.252 ng		99
90) Benzo(a)pyrene	25.049	252	652126	37.700 ng		98
91) Dibenzo(a,h)anthracene	29.121	278	674510	36.776 ng		96
92) Benzo(g,h,i)perylene	30.232	276	653564	37.302 ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

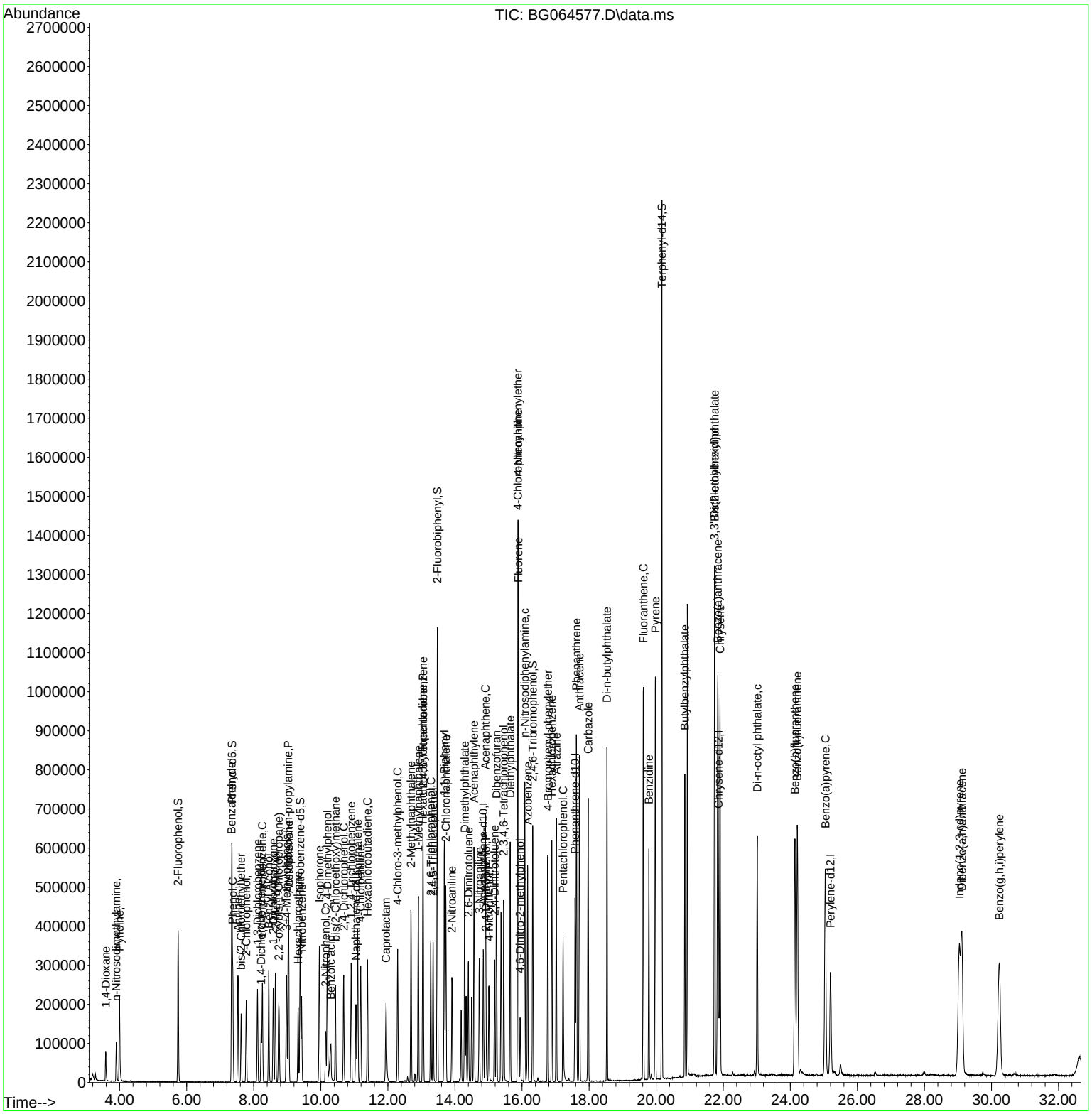
Quantitation Report (QT Reviewed)

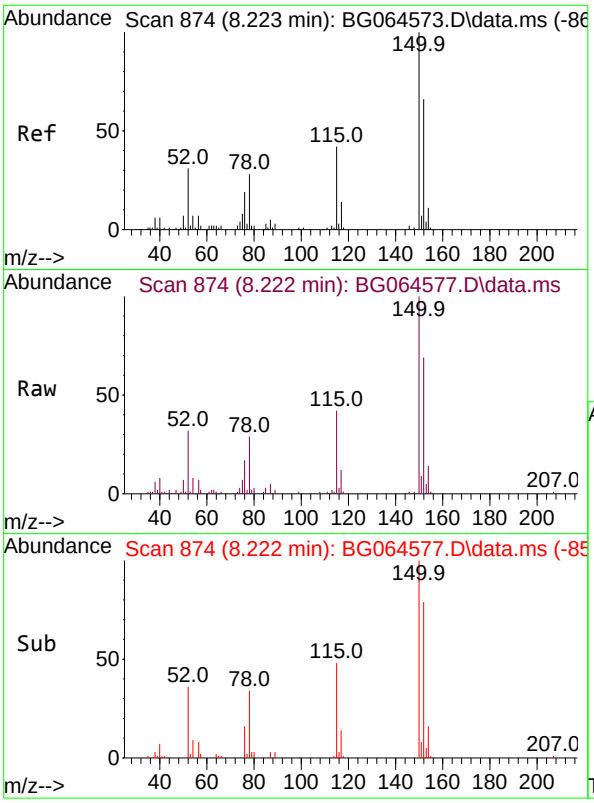
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration



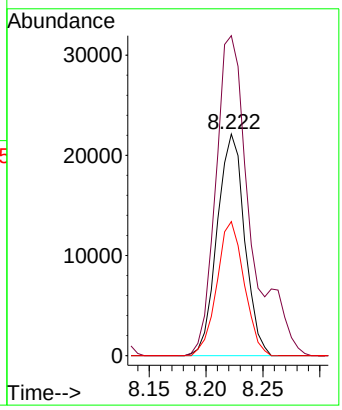


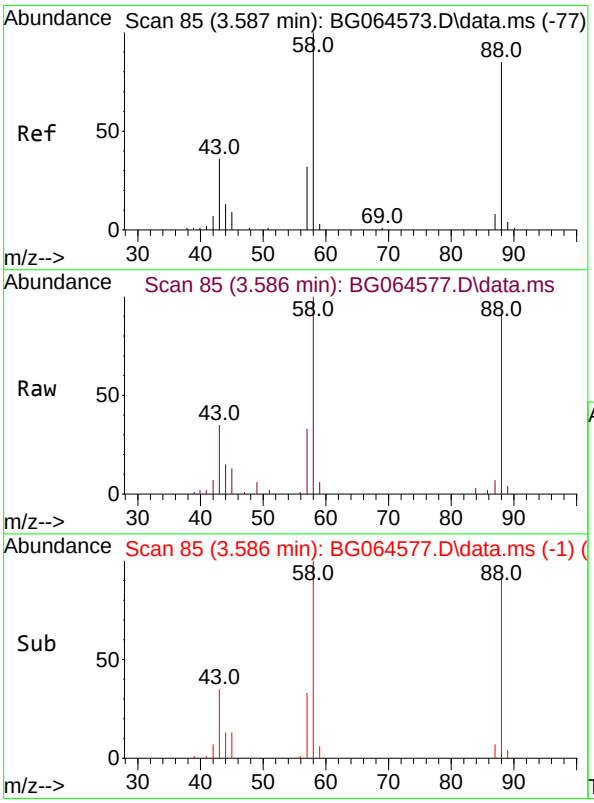
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:152 Resp: 37186

Ion	Ratio	Lower	Upper
152	100		
150	144.5	122.2	183.4
115	60.5	50.8	76.2

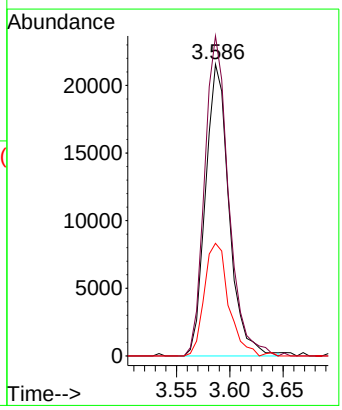


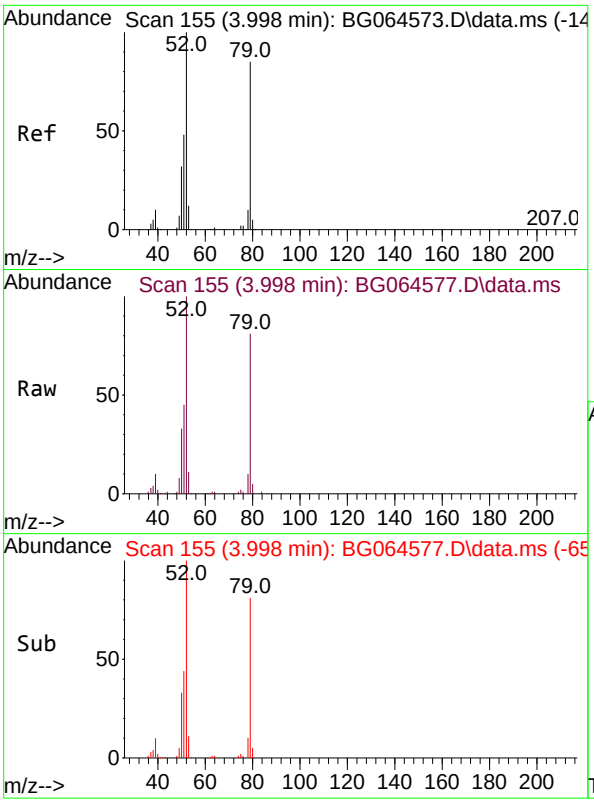


#2
1,4-Dioxane
Concen: 33.820 ng
RT: 3.586 min Scan# 85
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 88 Resp: 33172

Ion	Ratio	Lower	Upper
88	100		
58	111.8	92.4	138.6
43	40.1	33.0	49.6



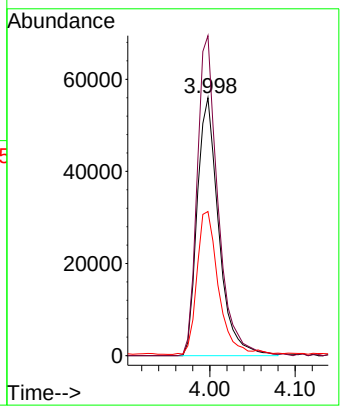


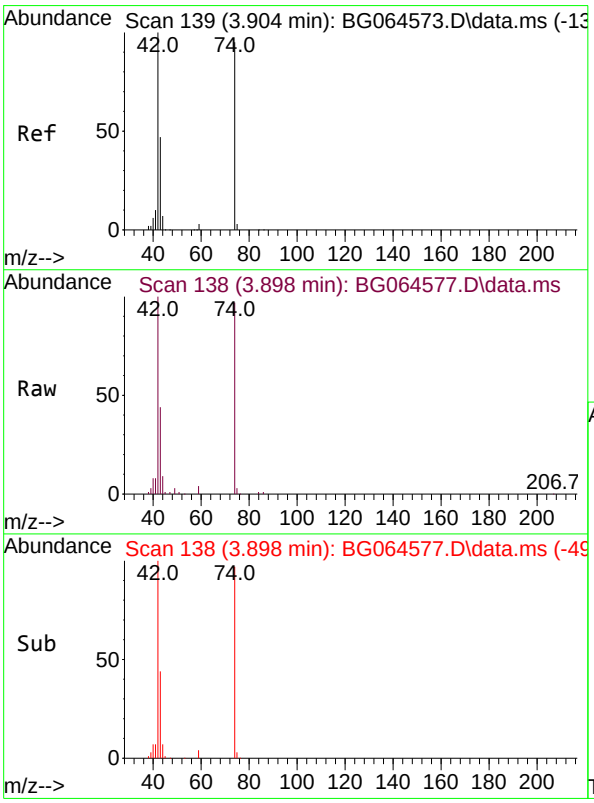
#3
Pyridine
Concen: 33.313 ng
RT: 3.998 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 79 Resp: 98123

Ion	Ratio	Lower	Upper
79	100		
52	124.1	94.2	141.2
51	55.8	46.1	69.1

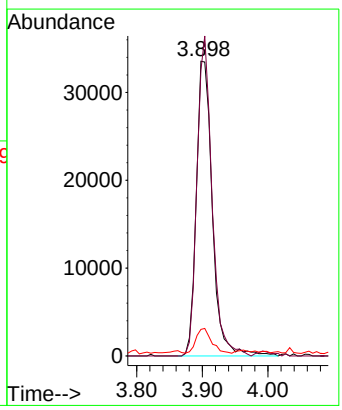


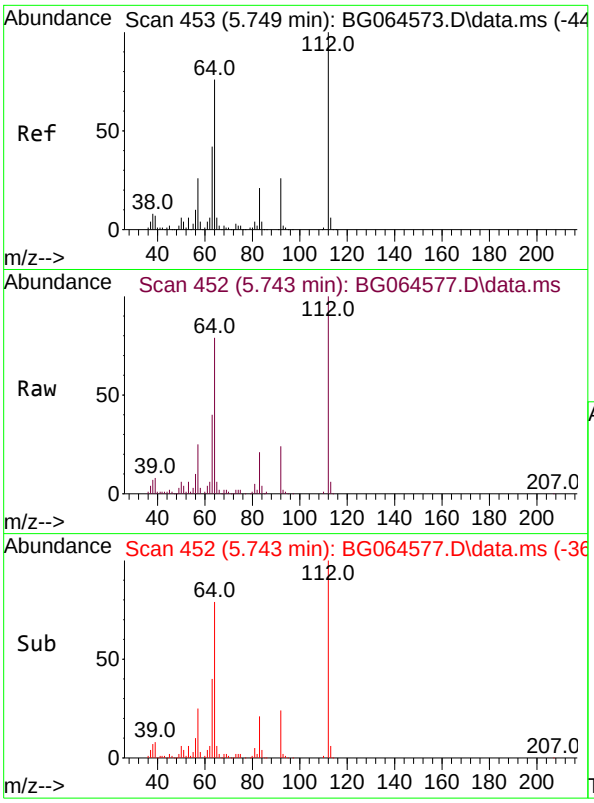


#4
n-Nitrosodimethylamine
Concen: 36.025 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 42 Resp: 56903

Ion	Ratio	Lower	Upper
42	100		
74	97.0	76.1	114.1
44	9.0	6.3	9.5



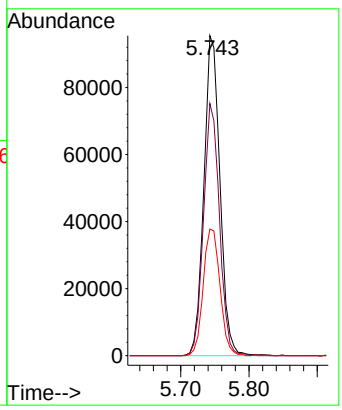


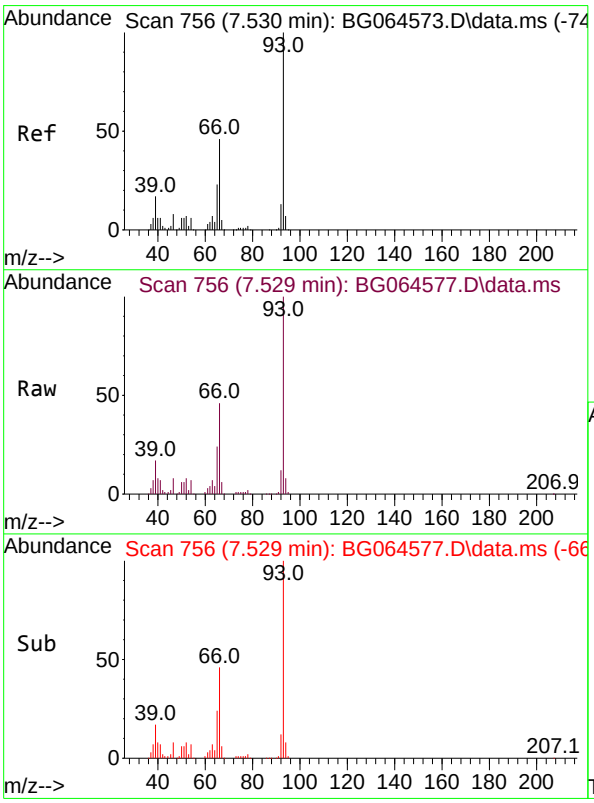
#5
2-Fluorophenol
Concen: 70.535 ng
RT: 5.743 min Scan# 4
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:112 Resp: 156266

Ion	Ratio	Lower	Upper
112	100		
64	78.8	60.7	91.1
63	39.5	33.4	50.0

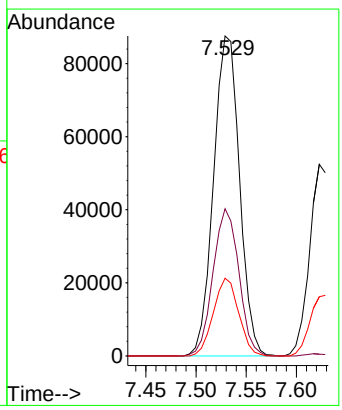


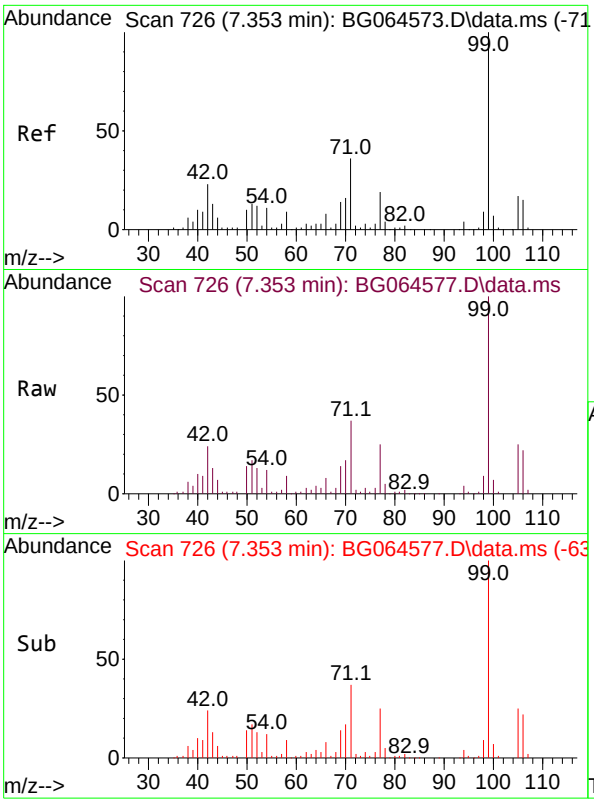


#6
Aniline
Concen: 38.118 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 157683

Ion	Ratio	Lower	Upper
93	100		
66	46.0	37.0	55.6
65	24.3	18.3	27.5



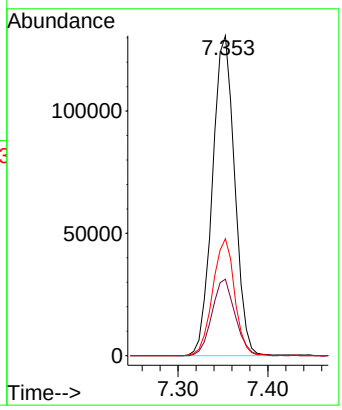


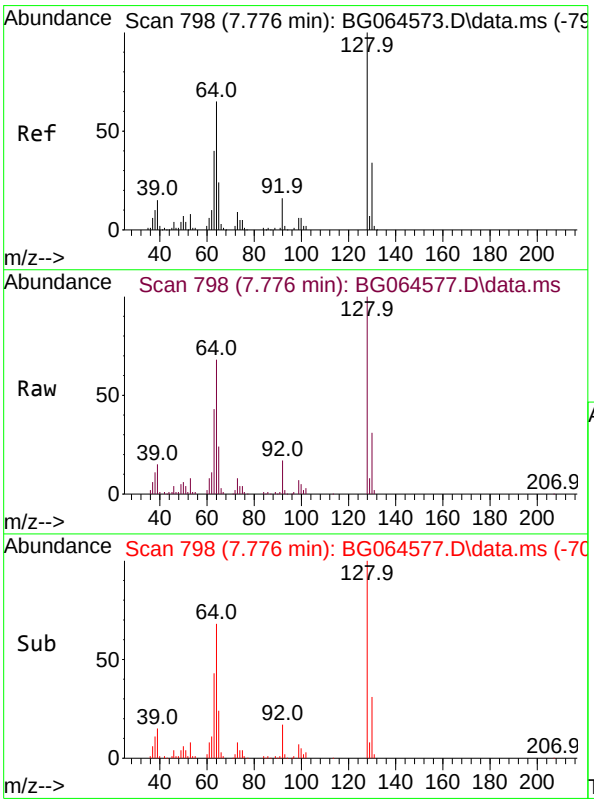
#7
Phenol-d6
Concen: 74.109 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 99 Resp: 225294

Ion	Ratio	Lower	Upper
99	100		
42	23.9	18.3	27.5
71	36.5	28.6	43.0

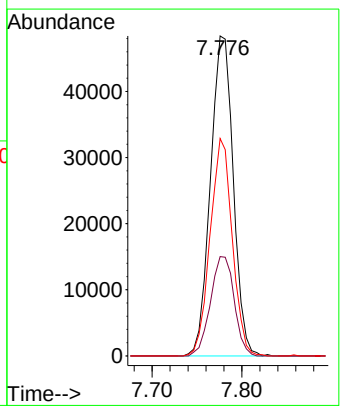


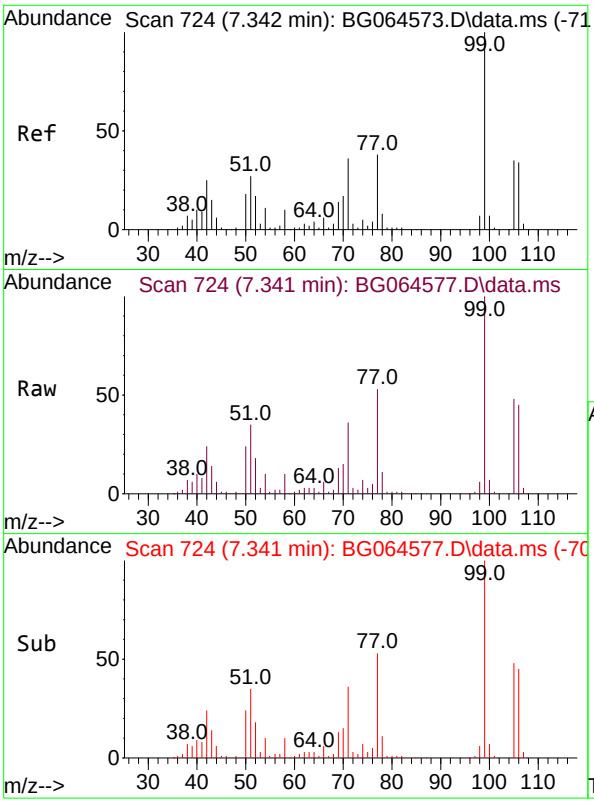


#8
2-Chlorophenol
Concen: 36.981 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:128 Resp: 85755

Ion	Ratio	Lower	Upper
128	100		
130	31.0	13.5	53.5
64	67.9	45.2	85.2



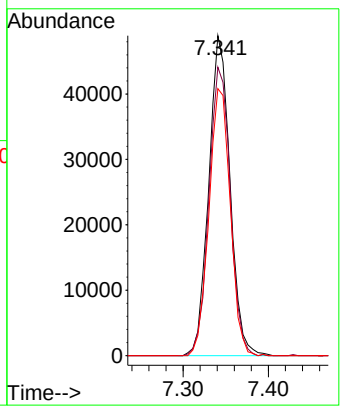


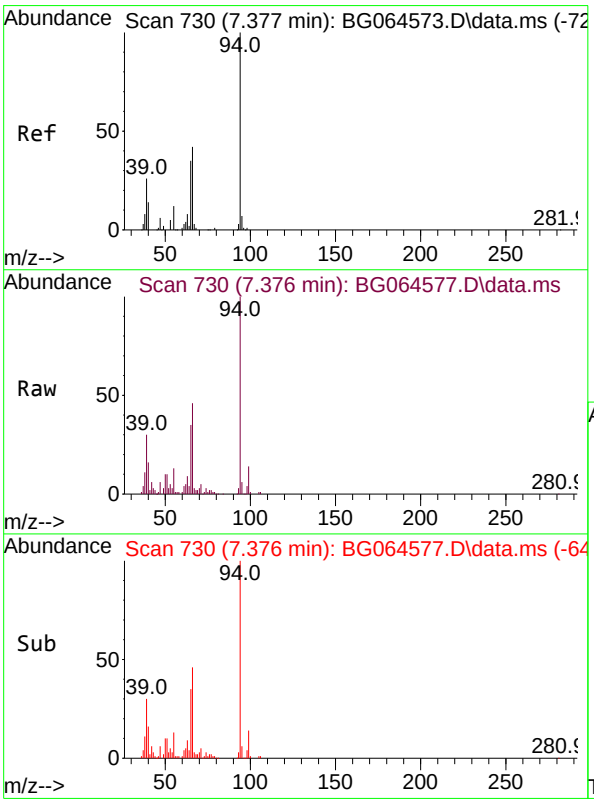
#9
Benzaldehyde
Concen: 50.923 ng
RT: 7.341 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 77 Resp: 84516

Ion	Ratio	Lower	Upper
77	100		
105	90.1	72.9	112.9
106	83.4	70.8	110.8

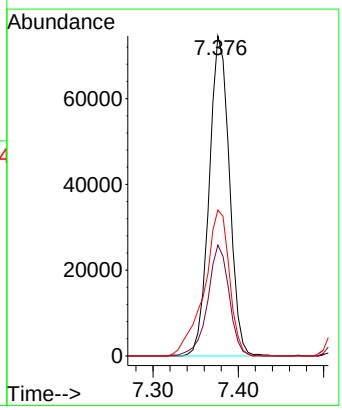


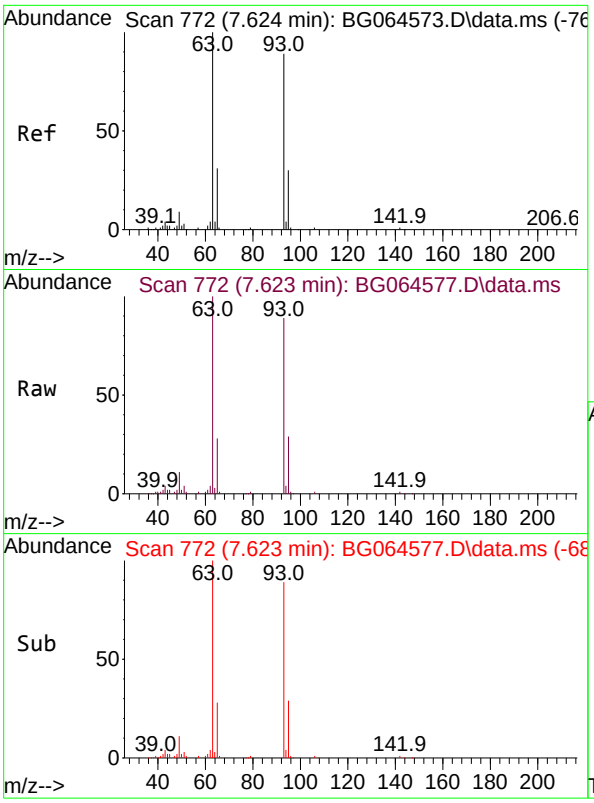


#10
Phenol
Concen: 36.410 ng
RT: 7.376 min Scan# 730
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 94 Resp: 122412

Ion	Ratio	Lower	Upper
94	100		
65	34.6	15.8	55.8
66	45.6	24.0	64.0



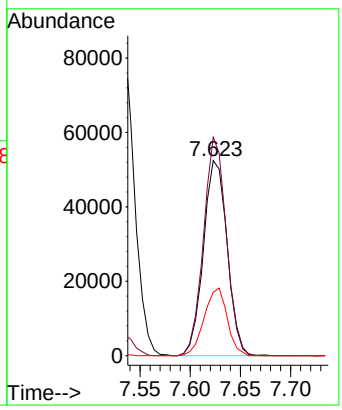


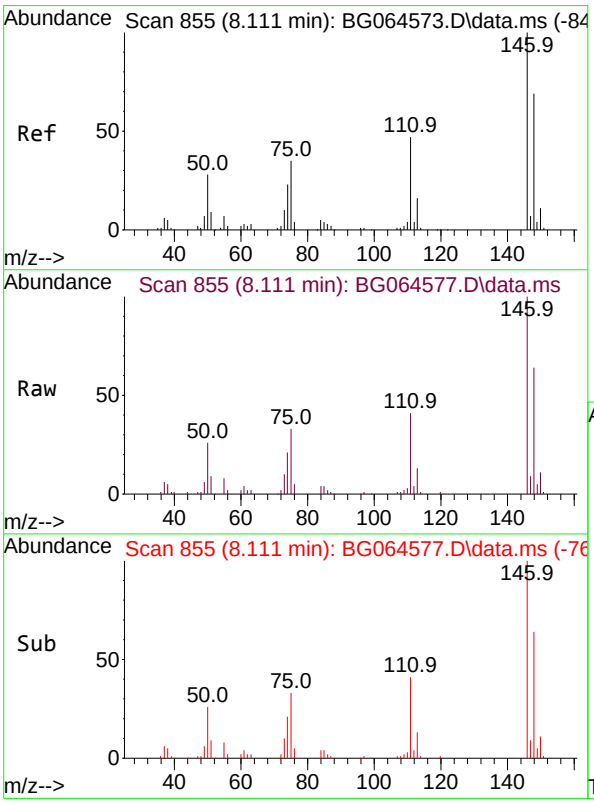
#11
bis(2-Chloroethyl)ether
Concen: 34.973 ng
RT: 7.623 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 93 Resp: 86447

Ion	Ratio	Lower	Upper
93	100		
63	111.9	91.3	131.3
95	32.5	13.3	53.3

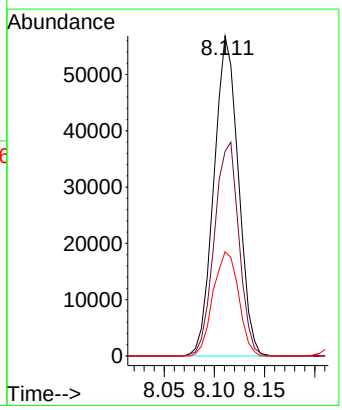


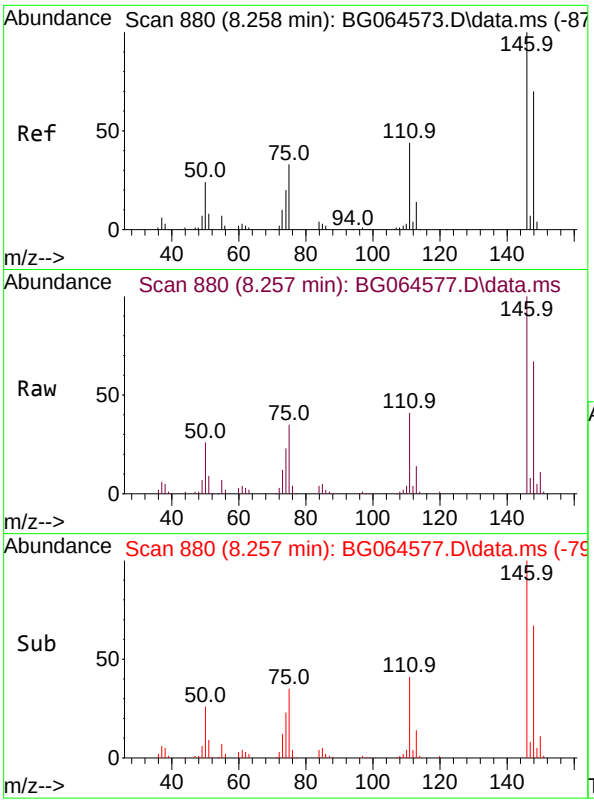


#12
1,3-Dichlorobenzene
Concen: 36.085 ng
RT: 8.111 min Scan# 855
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:146 Resp: 96308

Ion	Ratio	Lower	Upper
146	100		
148	63.9	55.3	82.9
75	32.5	28.2	42.2



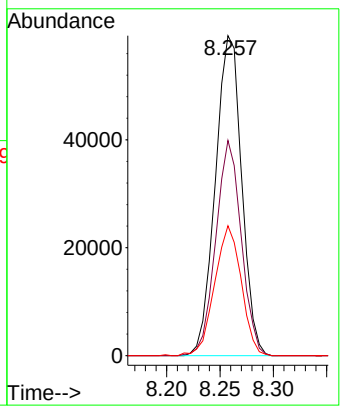


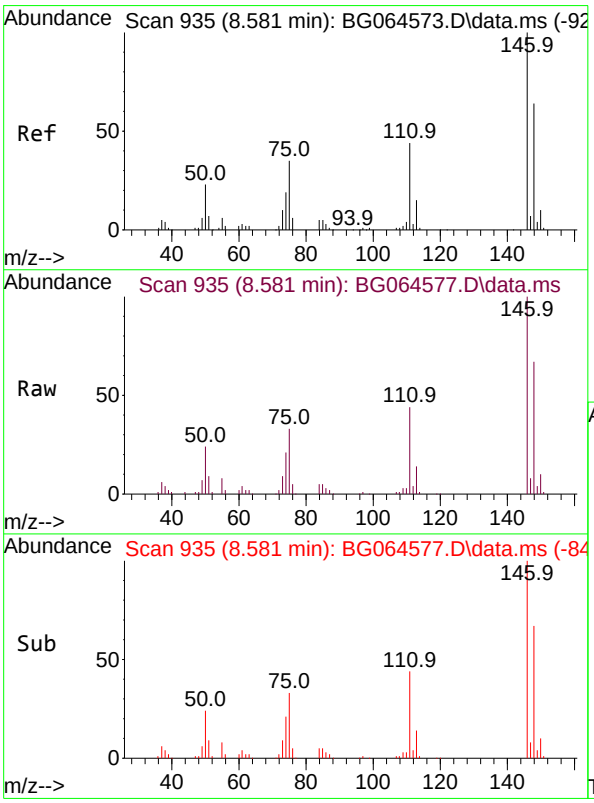
#13
1,4-Dichlorobenzene
Concen: 37.634 ng
RT: 8.257 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:146 Resp: 102132

Ion	Ratio	Lower	Upper
146	100		
148	67.2	56.2	84.4
111	40.6	35.4	53.0

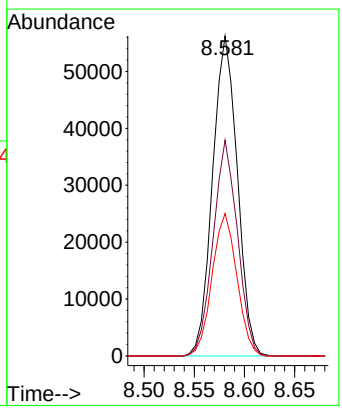


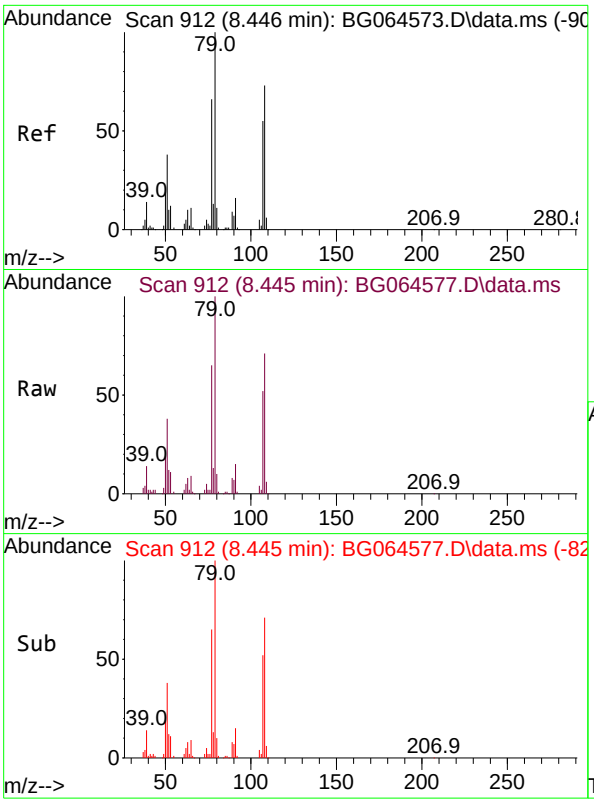


#14
1,2-Dichlorobenzene
Concen: 36.924 ng
RT: 8.581 min Scan# 935
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:146 Resp: 96651

Ion	Ratio	Lower	Upper
146	100		
148	67.4	51.5	77.3
111	44.5	35.0	52.6



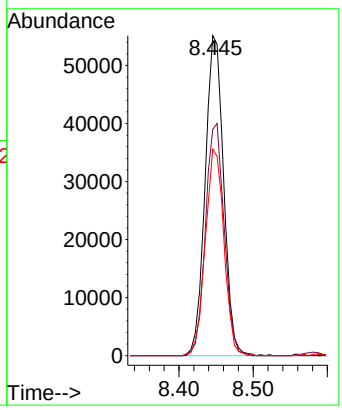


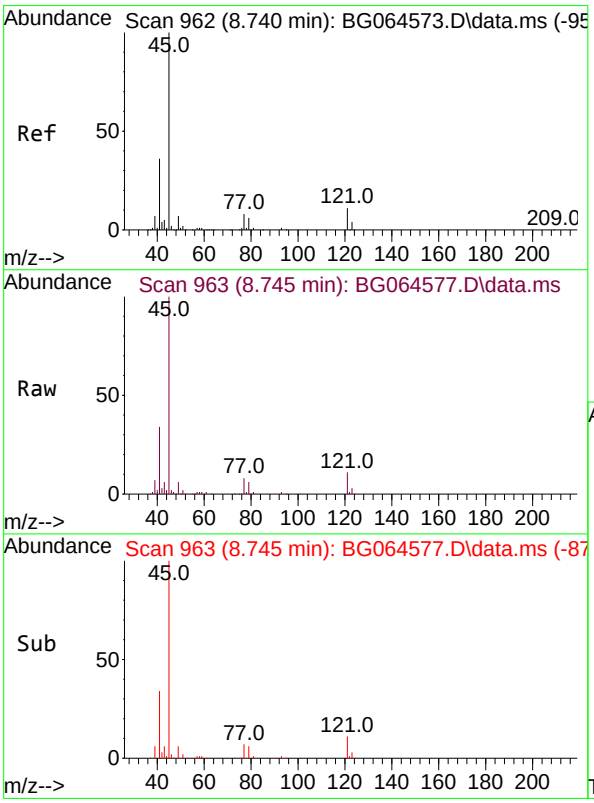
#15
Benzyl Alcohol
Concen: 37.995 ng
RT: 8.445 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 79 Resp: 95250

Ion	Ratio	Lower	Upper
79	100		
108	70.7	58.1	87.1
77	64.5	52.8	79.2

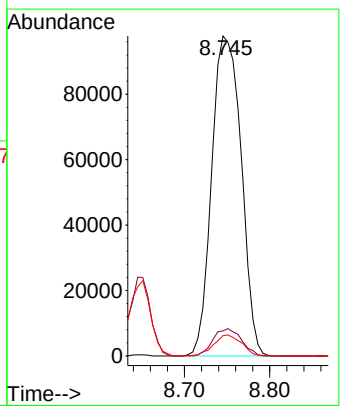


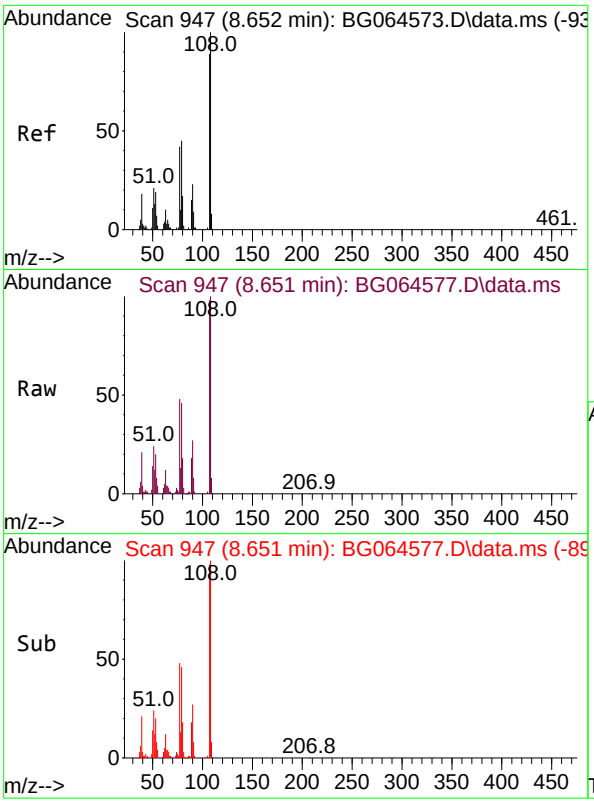


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.163 ng
RT: 8.745 min Scan# 963
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 45 Resp: 234476

Ion	Ratio	Lower	Upper
45	100		
77	7.8	0.0	28.5
79	6.3	0.0	25.6



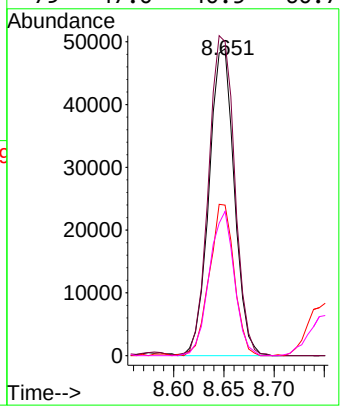


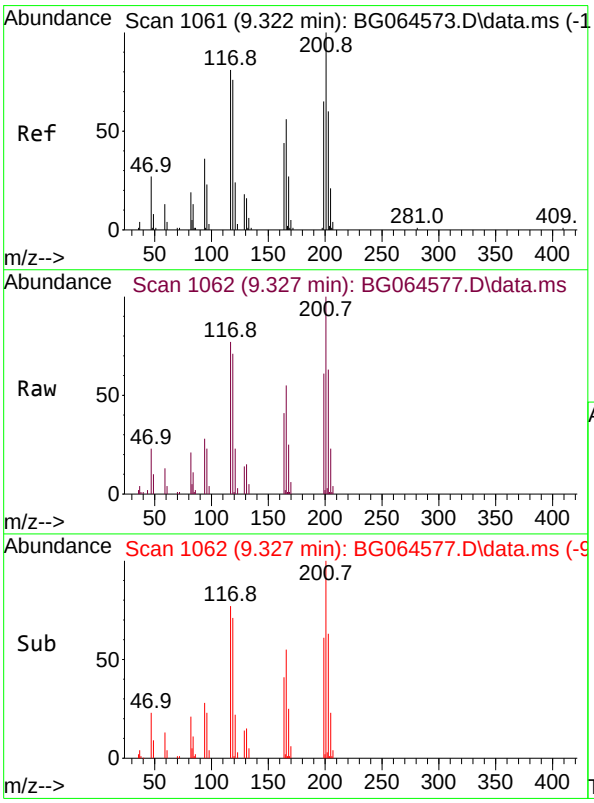
#17
2-Methylphenol
Concen: 38.466 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:107 Resp: 85863

Ion	Ratio	Lower	Upper
107	100		
108	102.3	90.0	135.0
77	49.0	37.8	56.8
79	47.0	40.5	60.7

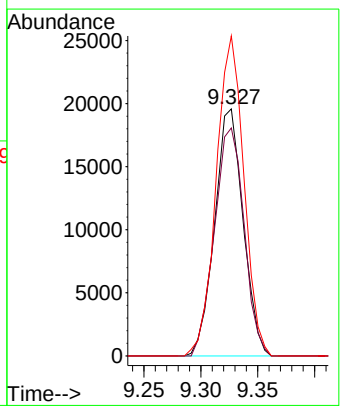


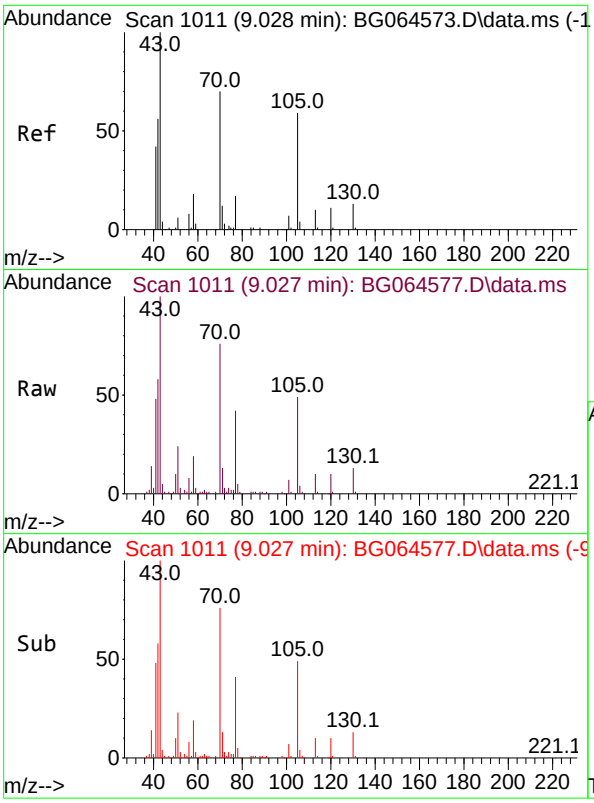


#18
Hexachloroethane
Concen: 35.743 ng
RT: 9.327 min Scan# 1062
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:117 Resp: 34040

Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.4	113.2
201	129.6	99.2	148.8



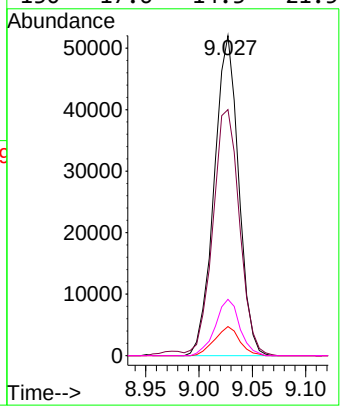


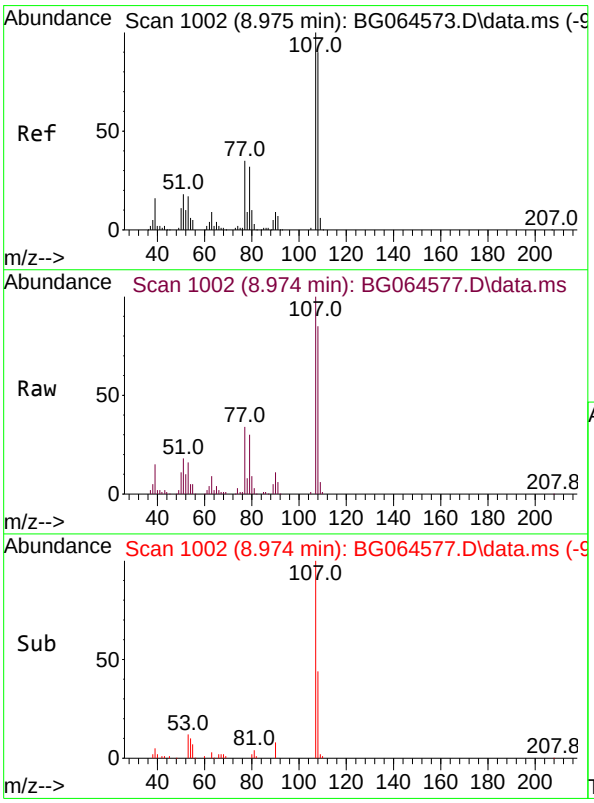
#19
n-Nitroso-di-n-propylamine
Concen: 39.572 ng
RT: 9.027 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 70 Resp: 83140

Ion	Ratio	Lower	Upper
70	100		
42	76.9	65.2	97.8
101	9.1	7.9	11.9
130	17.6	14.3	21.5

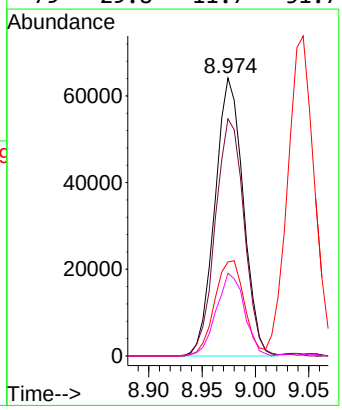


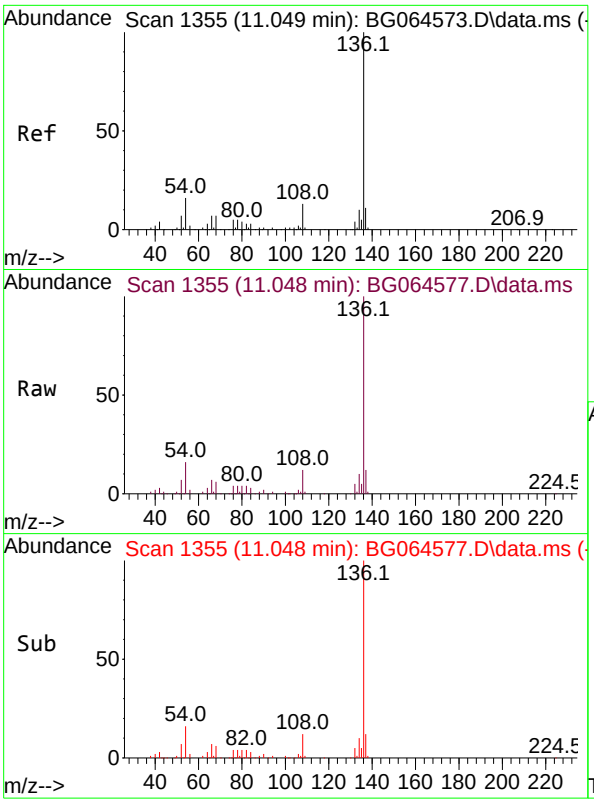


#20
3+4-Methylphenols
Concen: 37.882 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:107 Resp: 118917

Ion	Ratio	Lower	Upper
107	100		
108	85.3	70.3	110.3
77	33.8	14.6	54.6
79	29.8	11.7	51.7



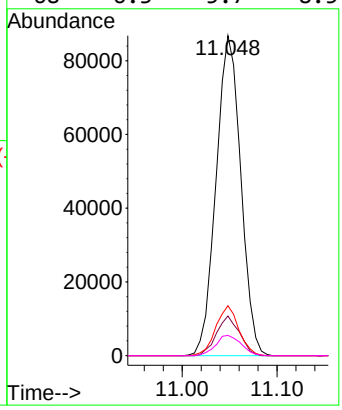


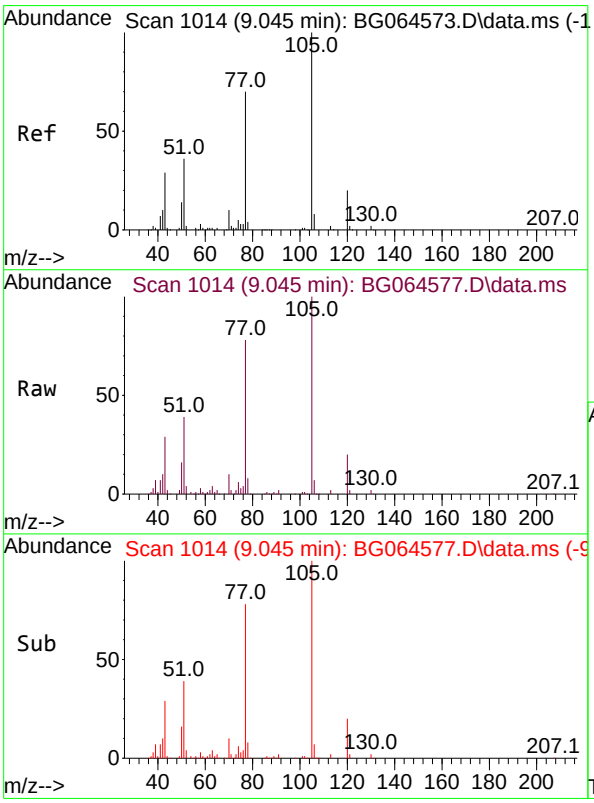
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.048 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:136 Resp: 157125

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.2	13.8
54	15.6	12.6	19.0
68	6.3	5.7	8.5

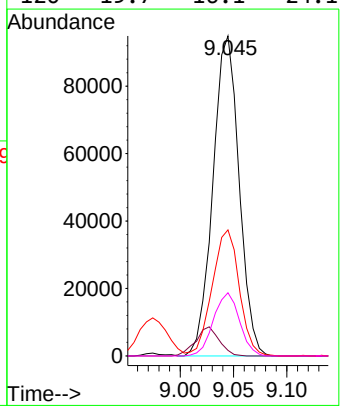


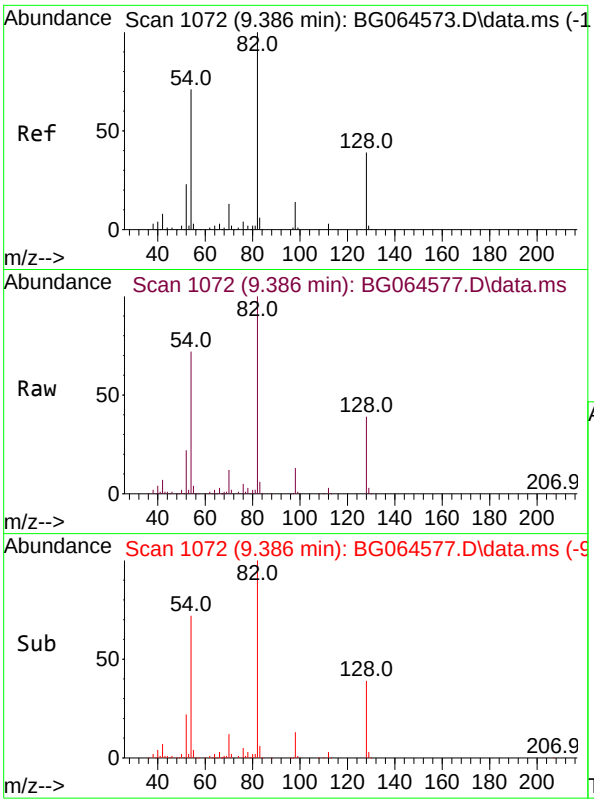


#22
Acetophenone
Concen: 37.806 ng
RT: 9.045 min Scan# 1014
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:105 Resp: 162385

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.5	2.3
51	39.4	33.7	50.5
120	19.7	16.1	24.1



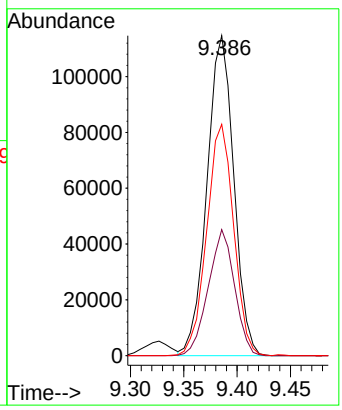


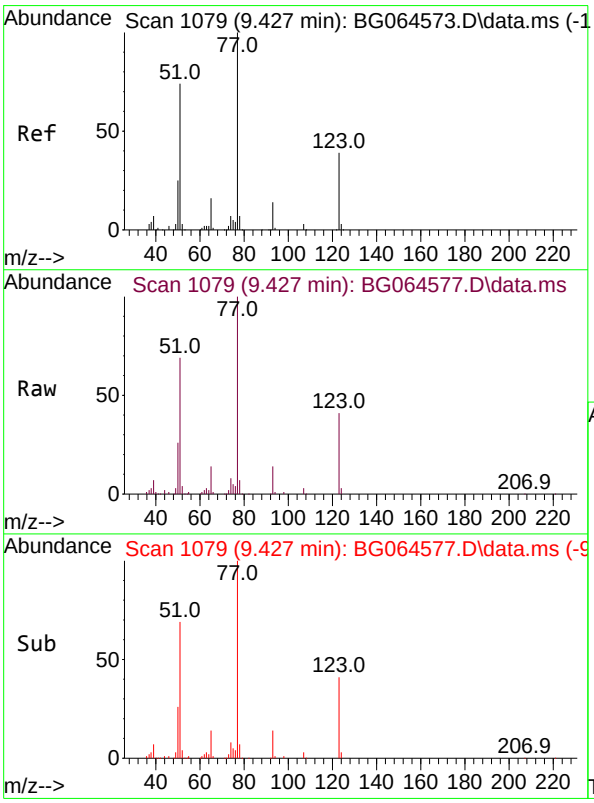
#23
Nitrobenzene-d5
Concen: 76.738 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 82 Resp: 200749

Ion	Ratio	Lower	Upper
82	100		
128	39.4	31.3	46.9
54	72.3	56.6	84.8

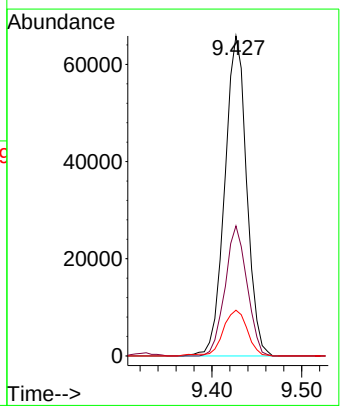


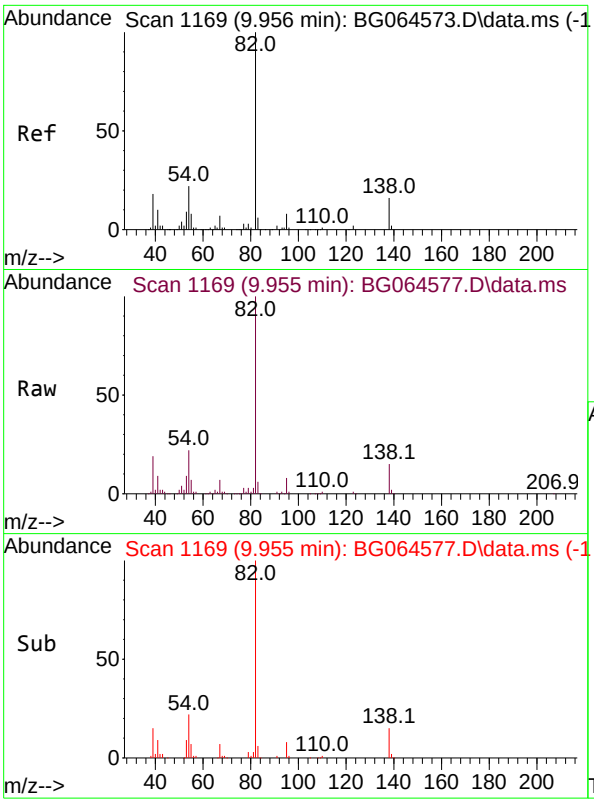


#24
Nitrobenzene
Concen: 39.305 ng
RT: 9.427 min Scan# 1079
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 77 Resp: 111836

Ion	Ratio	Lower	Upper
77	100		
123	40.6	31.0	46.6
65	14.3	12.7	19.1



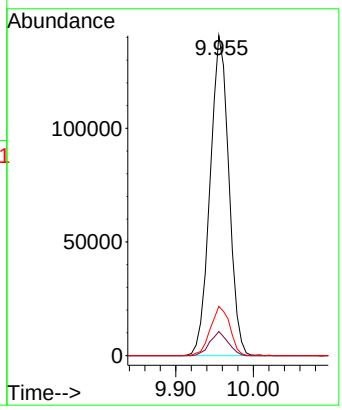


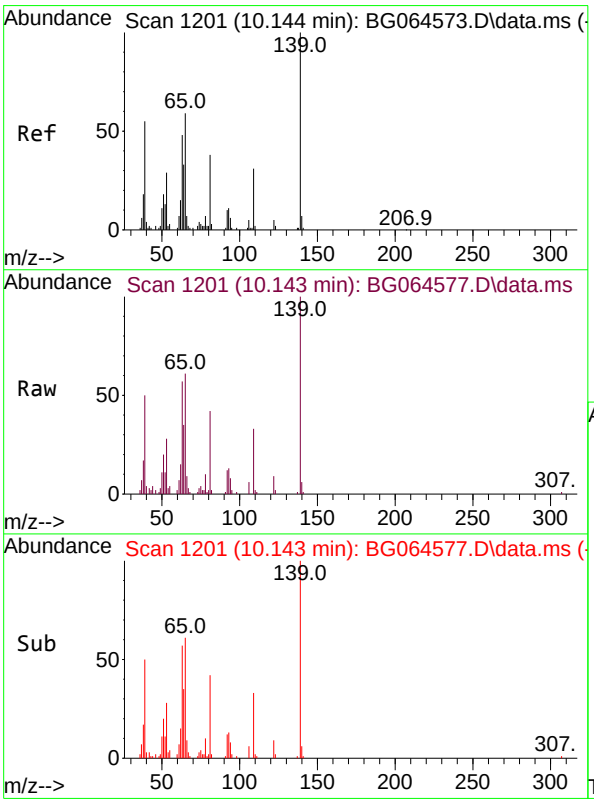
#25
Isophorone
Concen: 37.733 ng
RT: 9.955 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 82 Resp: 236860

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	15.4	13.0	19.4

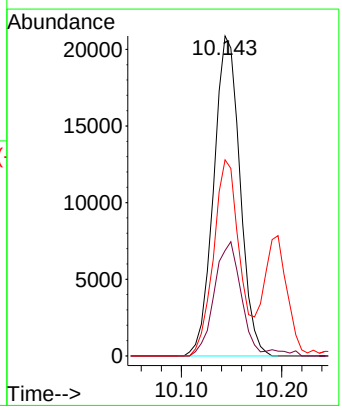


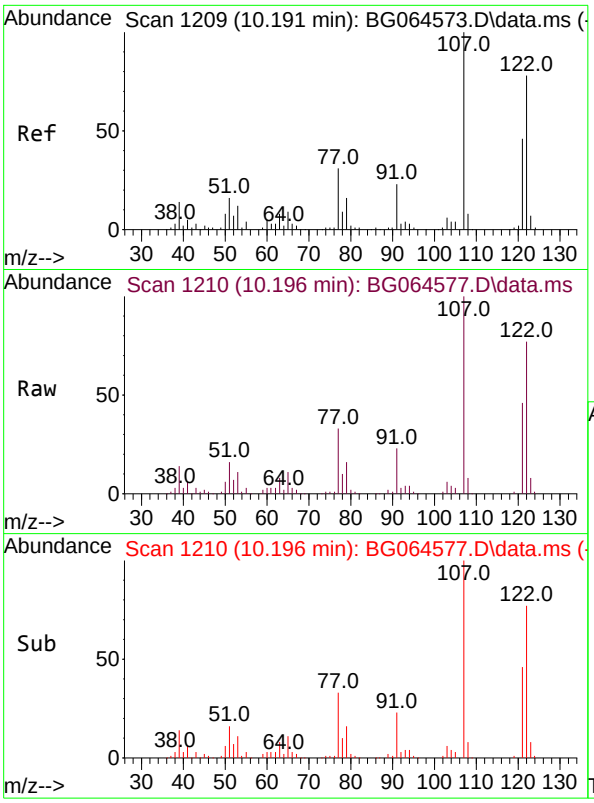


#26
2-Nitrophenol
Concen: 35.498 ng
RT: 10.143 min Scan# 1201
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:139 Resp: 38013

Ion	Ratio	Lower	Upper
139	100		
109	32.9	24.6	37.0
65	61.3	47.5	71.3



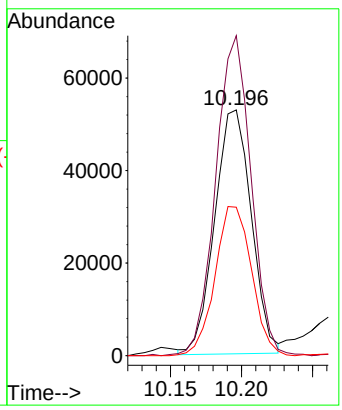


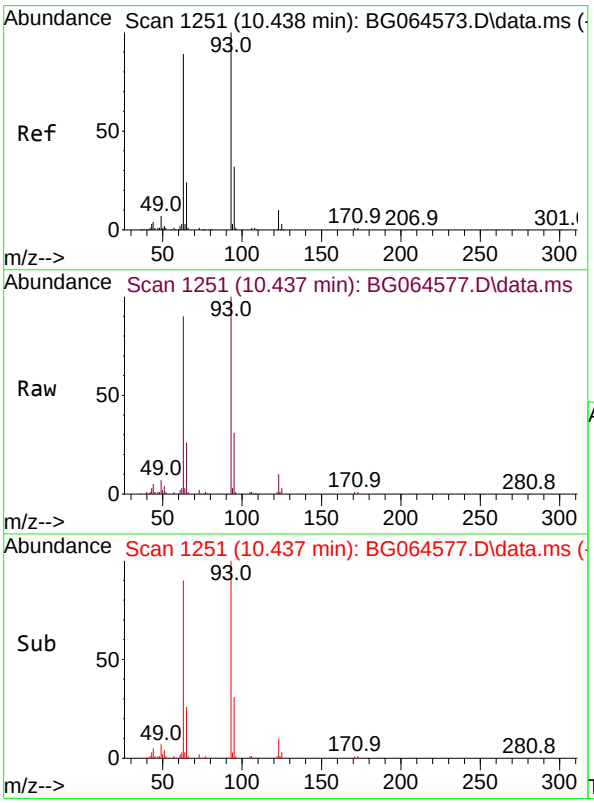
#27
2,4-Dimethylphenol
Concen: 40.491 ng
RT: 10.196 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:122 Resp: 94545

Ion	Ratio	Lower	Upper
122	100		
107	130.3	103.0	154.4
121	60.4	47.8	71.8

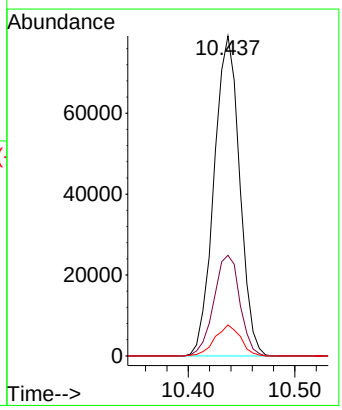


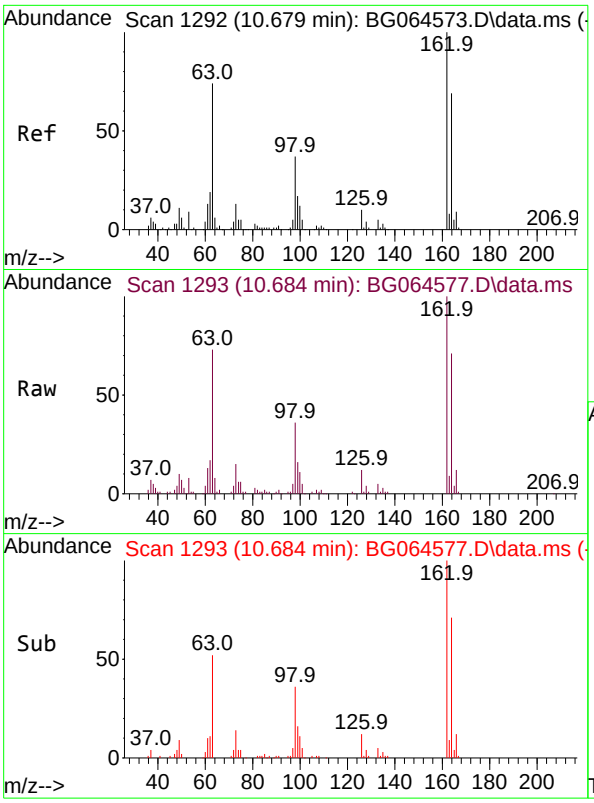


#28
bis(2-Chloroethoxy)methane
Concen: 36.953 ng
RT: 10.437 min Scan# 1251
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 132072

Ion	Ratio	Lower	Upper
93	100		
95	31.4	25.4	38.2
123	9.7	8.4	12.6



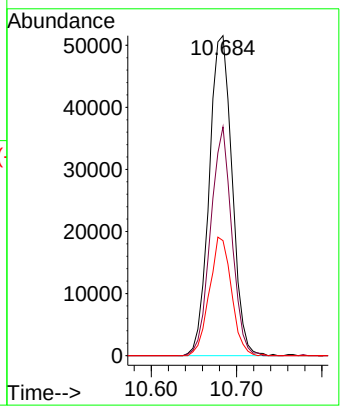


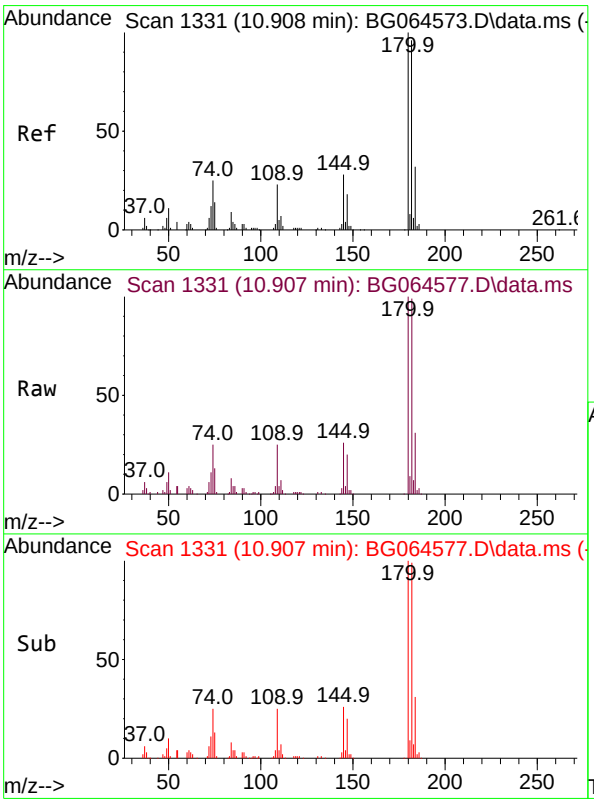
#29
2,4-Dichlorophenol
Concen: 38.190 ng
RT: 10.684 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:162 Resp: 95966

Ion	Ratio	Lower	Upper
162	100		
164	71.5	48.7	88.7
98	35.9	16.9	56.9

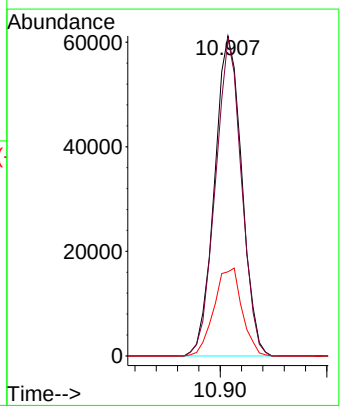


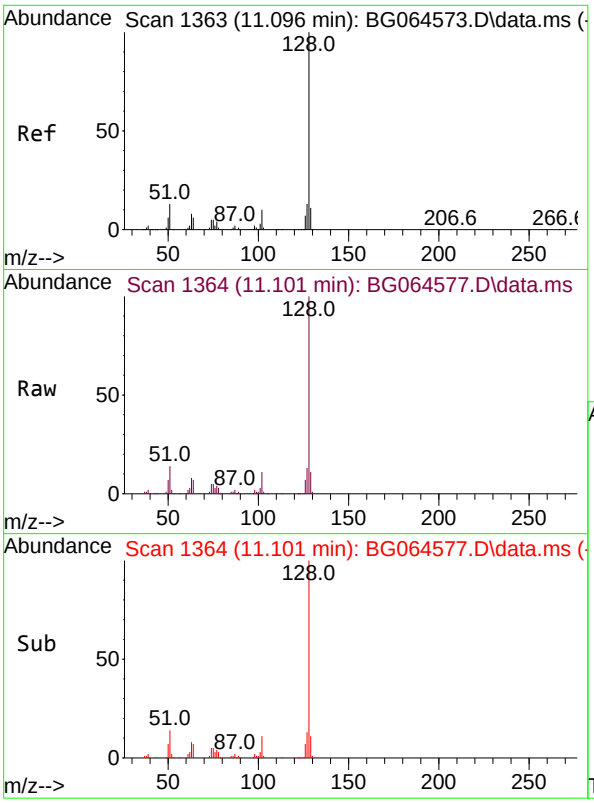


#30
1,2,4-Trichlorobenzene
Concen: 37.945 ng
RT: 10.907 min Scan# 1331
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:180 Resp: 108339

Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.9	115.3
145	26.3	22.1	33.1



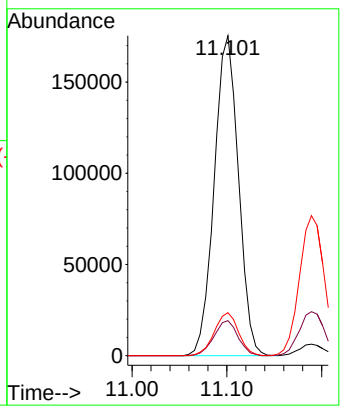


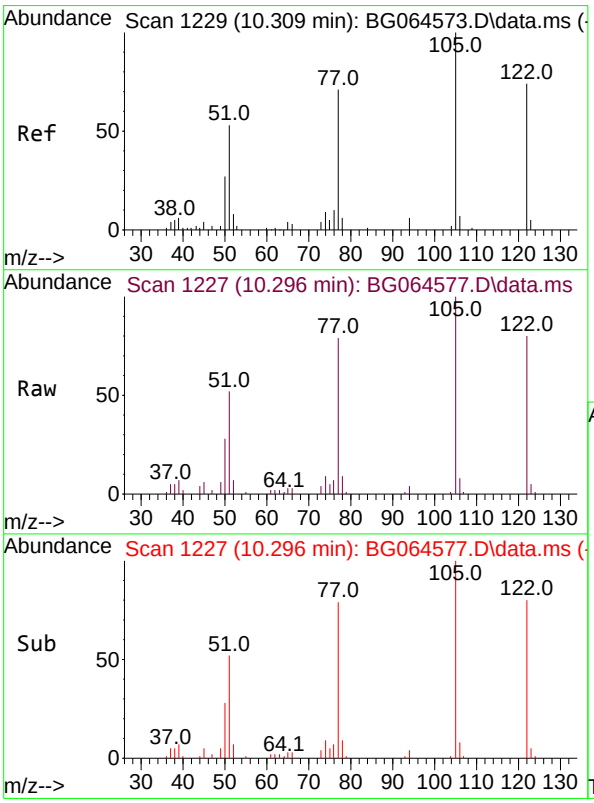
#31
Naphthalene
Concen: 35.709 ng
RT: 11.101 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:128 Resp: 311084

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.4	10.6	15.8

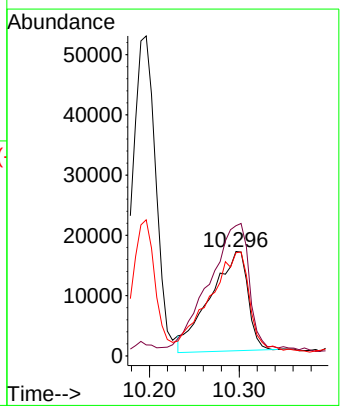


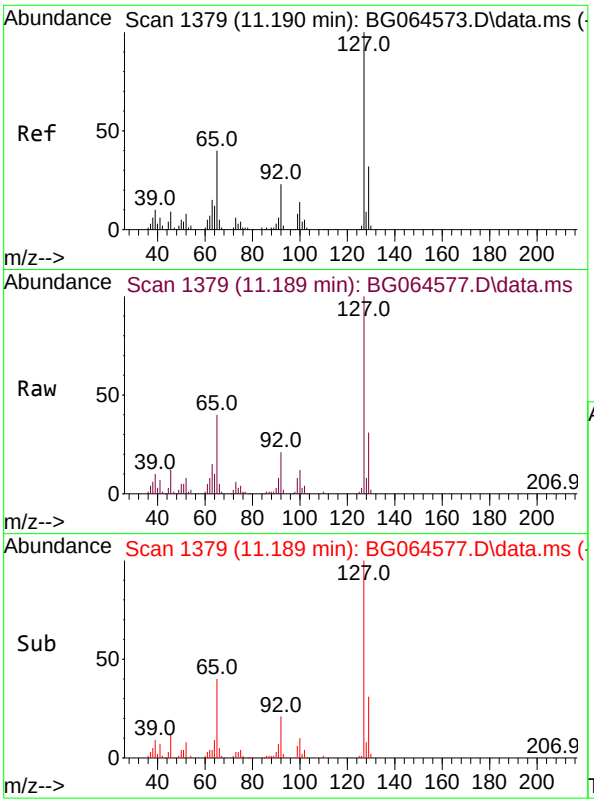


#32
Benzoic acid
Concen: 29.620 ng
RT: 10.296 min Scan# 1227
Delta R.T. -0.013 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:122 Resp: 48162

Ion	Ratio	Lower	Upper
122	100		
105	124.6	104.2	144.2
77	98.8	70.2	110.2



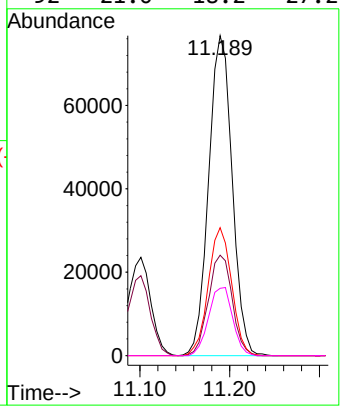


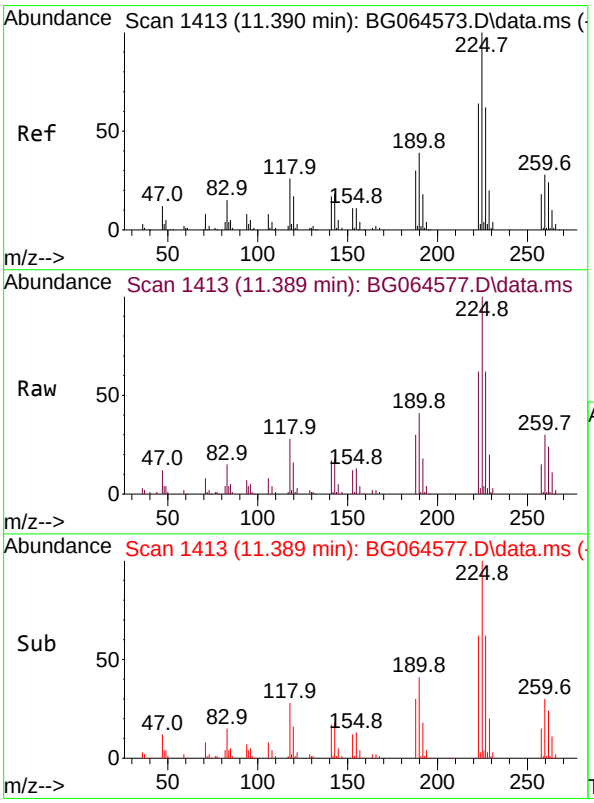
#33
4-Chloroaniline
Concen: 41.287 ng
RT: 11.189 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:127 Resp: 139799

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.5	38.3
65	40.0	32.2	48.4
92	21.0	18.2	27.2

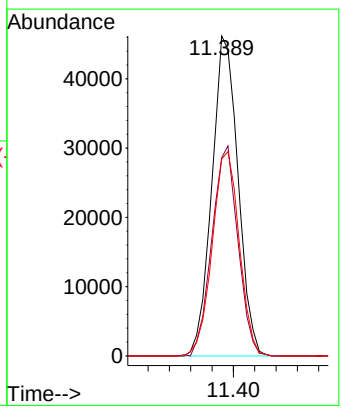


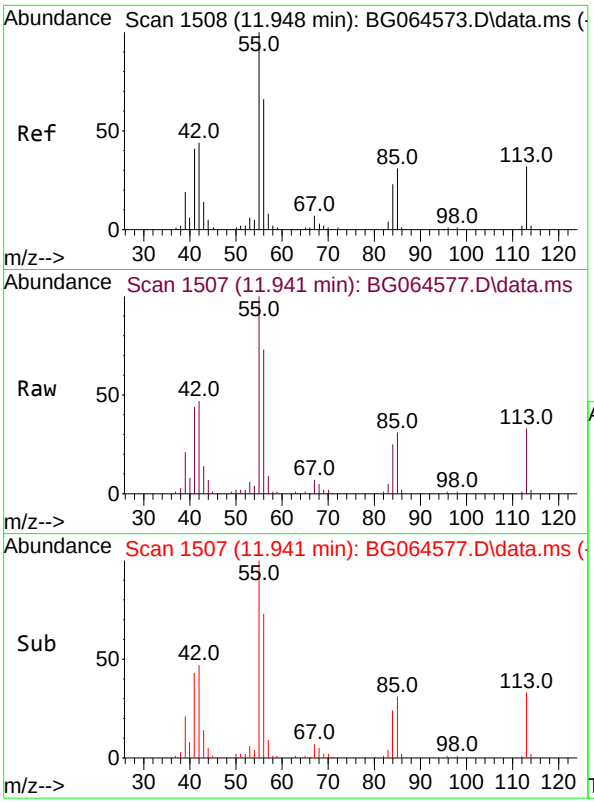


#34
Hexachlorobutadiene
Concen: 35.242 ng
RT: 11.389 min Scan# 1413
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:225 Resp: 78691

Ion	Ratio	Lower	Upper
225	100		
223	59.7	48.8	73.2
227	59.3	49.5	74.3



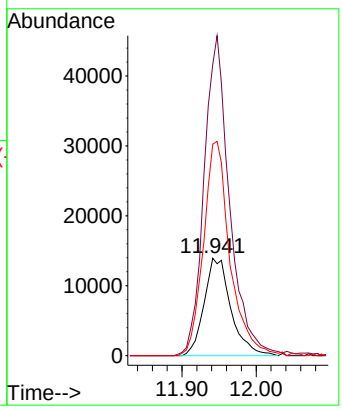


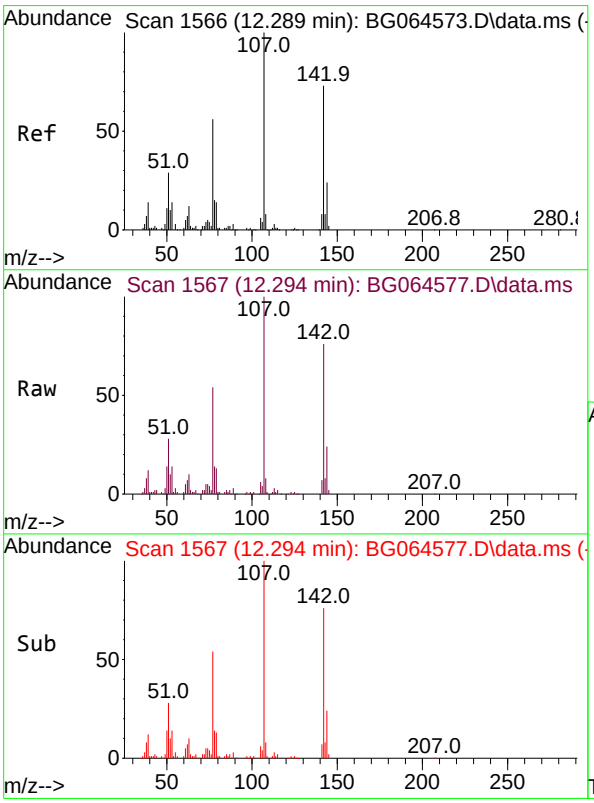
#35
Caprolactam
Concen: 36.326 ng
RT: 11.941 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:113 Resp: 35011

Ion	Ratio	Lower	Upper
113	100		
55	299.0	290.1	330.1
56	217.0	183.8	223.8

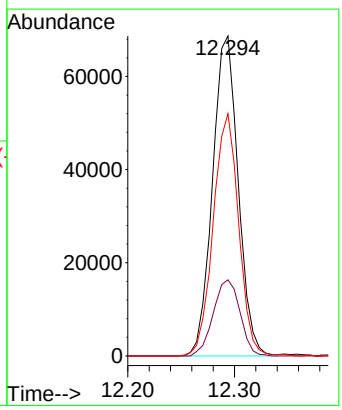


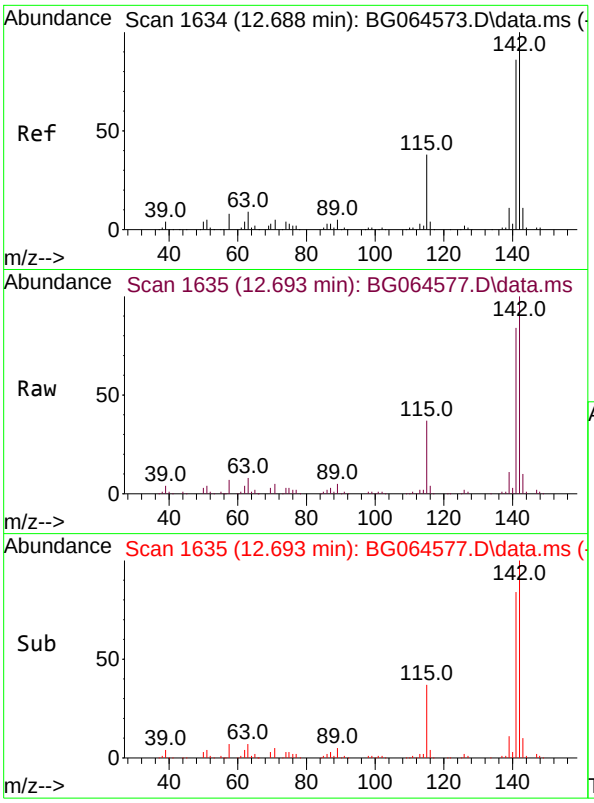


#36
4-Chloro-3-methylphenol
Concen: 38.049 ng
RT: 12.294 min Scan# 1567
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:107 Resp: 114927

Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.1	28.7
142	75.7	58.6	87.8



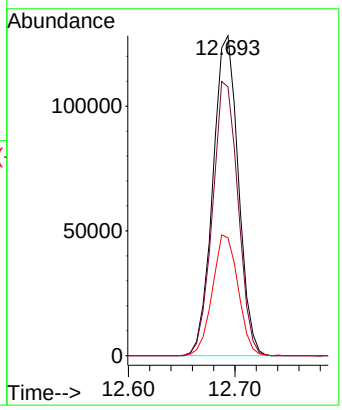


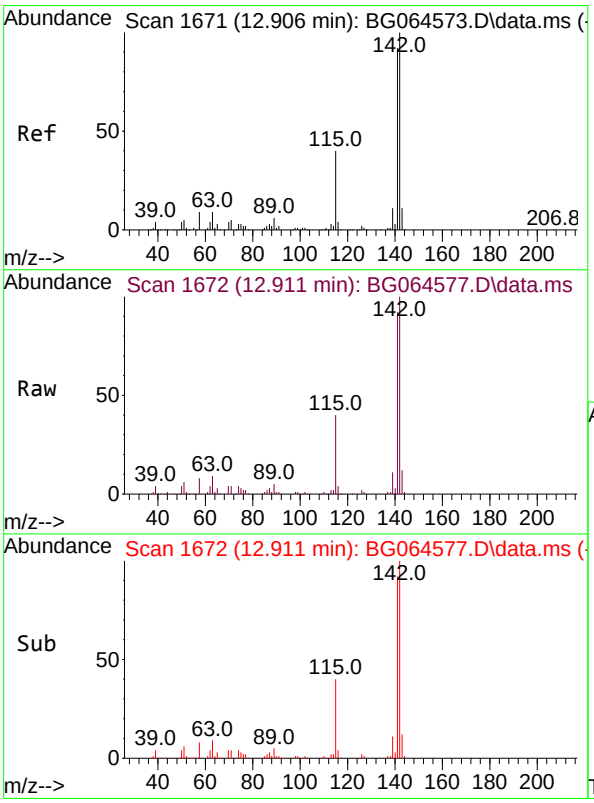
#37
2-Methylnaphthalene
Concen: 33.388 ng
RT: 12.693 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:142 Resp: 213545

Ion	Ratio	Lower	Upper
142	100		
141	84.0	68.9	103.3
115	36.8	30.6	46.0

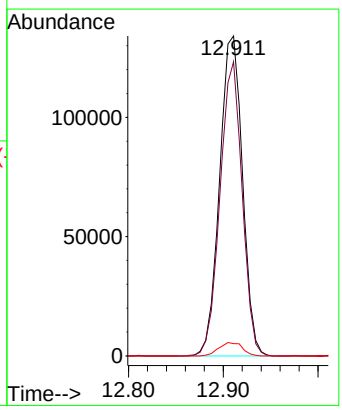


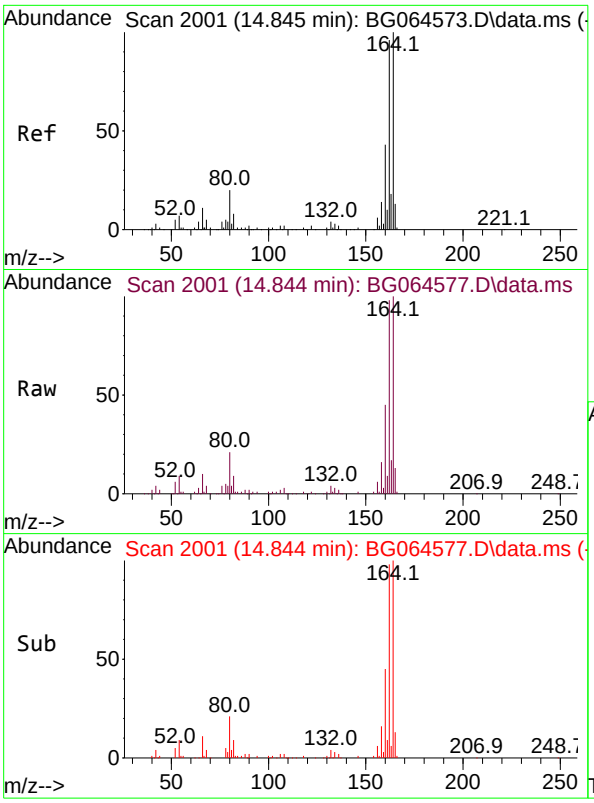


#38
1-Methylnaphthalene
Concen: 35.513 ng
RT: 12.911 min Scan# 1672
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:142 Resp: 224857

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.3	109.9
116	3.8	3.1	4.7



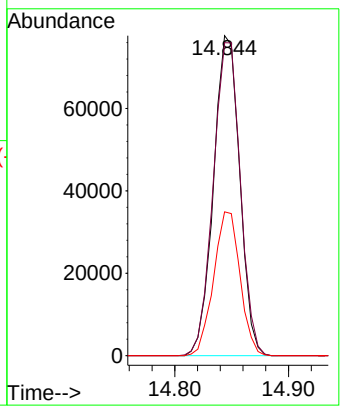


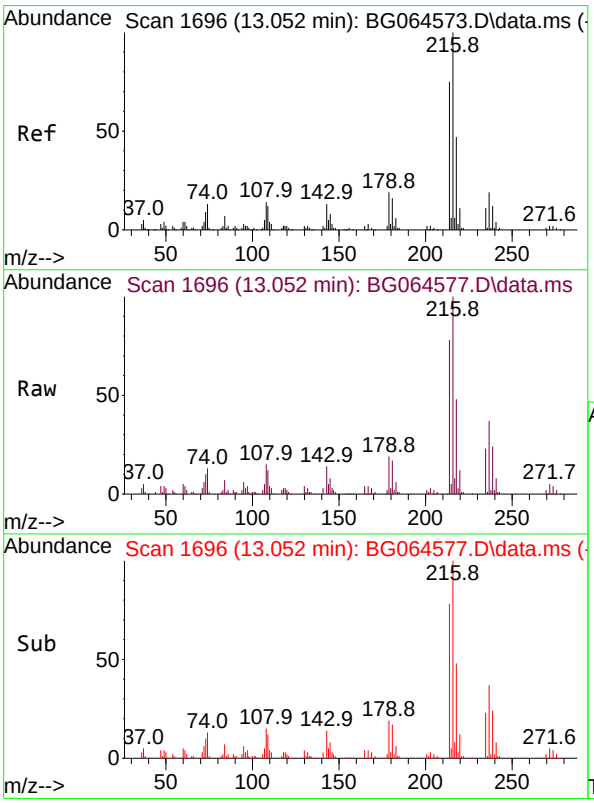
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.844 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:164 Resp: 124202

Ion	Ratio	Lower	Upper
164	100		
162	97.8	77.0	115.6
160	44.9	34.4	51.6

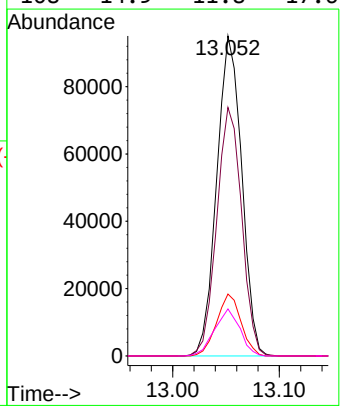


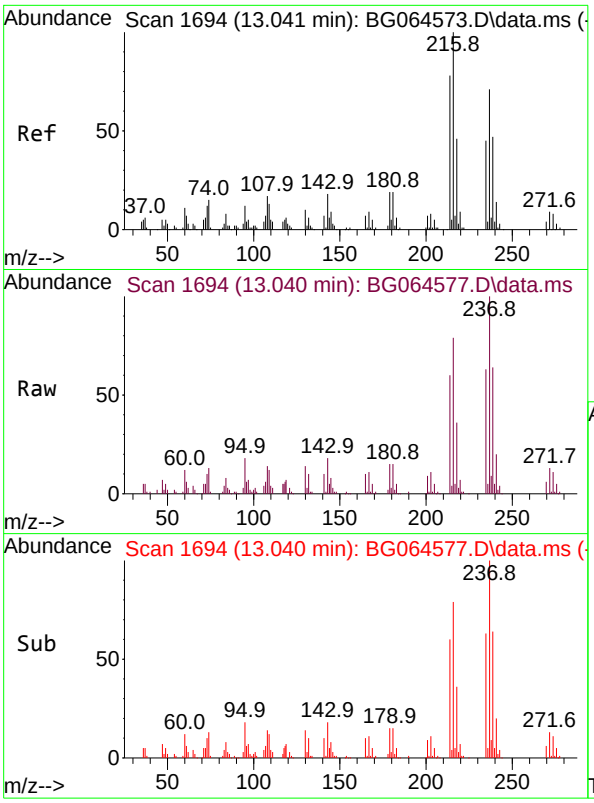


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.146 ng
RT: 13.052 min Scan# 1696
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:216 Resp: 154838

Ion	Ratio	Lower	Upper
216	100		
214	77.4	61.4	92.2
179	18.9	15.4	23.0
108	14.9	11.8	17.6



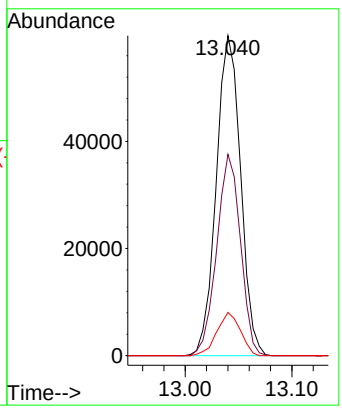


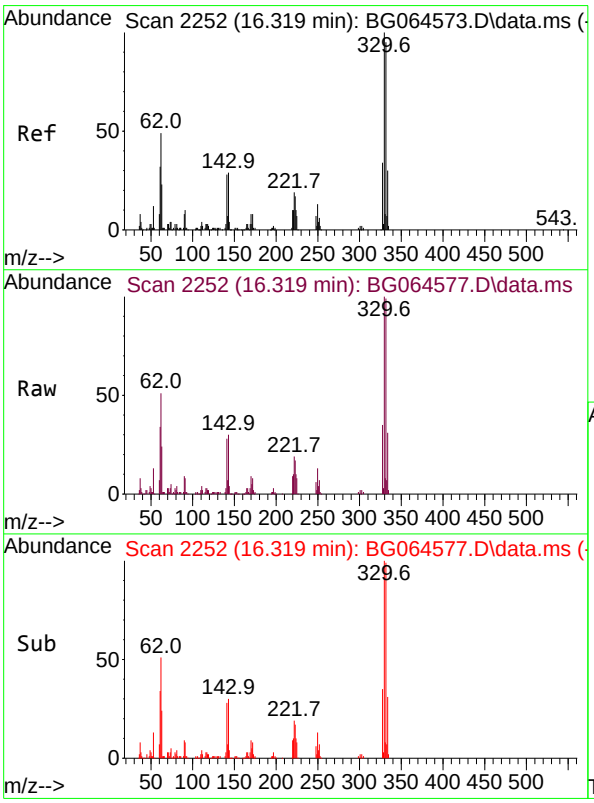
#41
Hexachlorocyclopentadiene
Concen: 50.669 ng
RT: 13.040 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:237 Resp: 95065

Ion	Ratio	Lower	Upper
237	100		
235	62.9	44.1	84.1
272	13.5	0.0	32.4

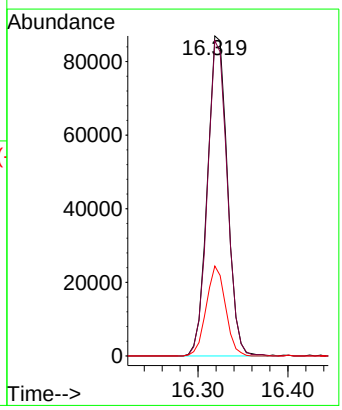


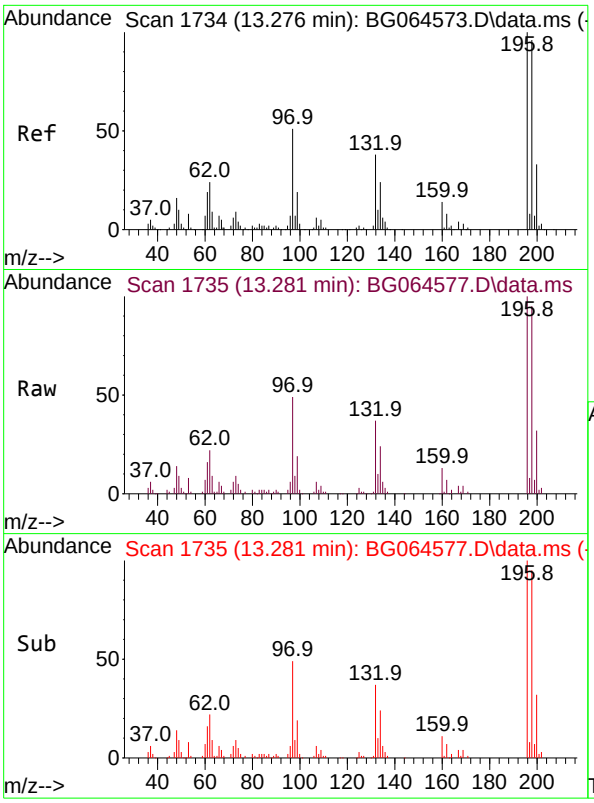


#42
2,4,6-Tribromophenol
Concen: 75.074 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:330 Resp: 134578

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	27.0	21.8	32.6



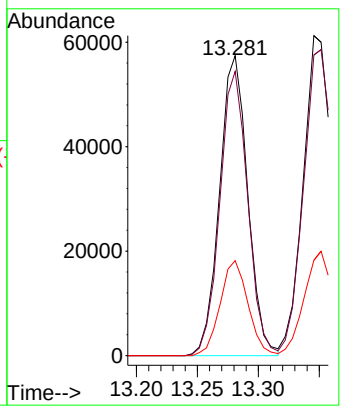


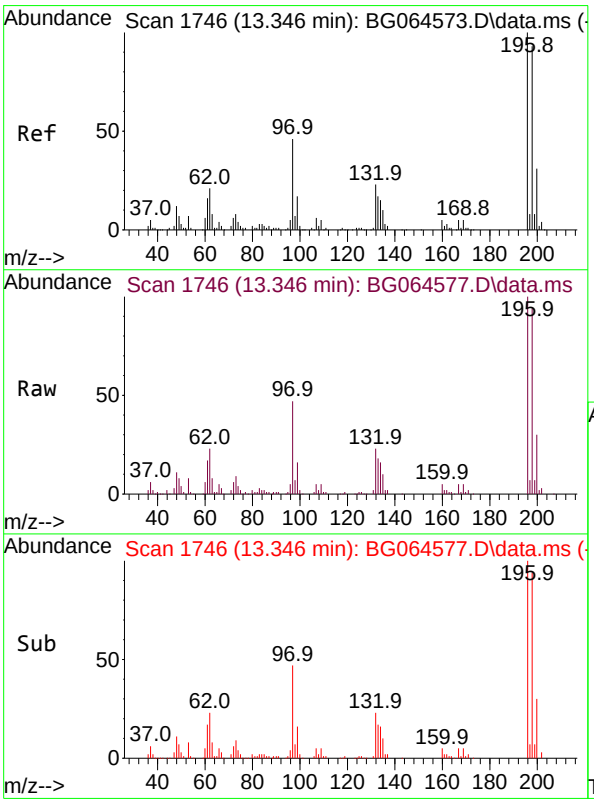
#43
2,4,6-Trichlorophenol
Concen: 38.726 ng
RT: 13.281 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:196 Resp: 92335

Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.6	115.0
200	31.7	26.0	39.0

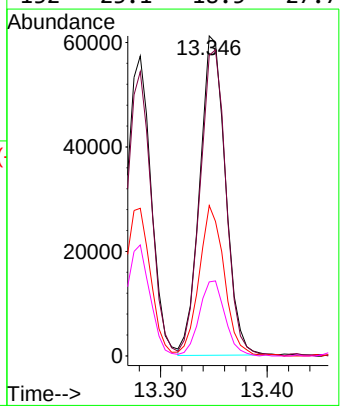


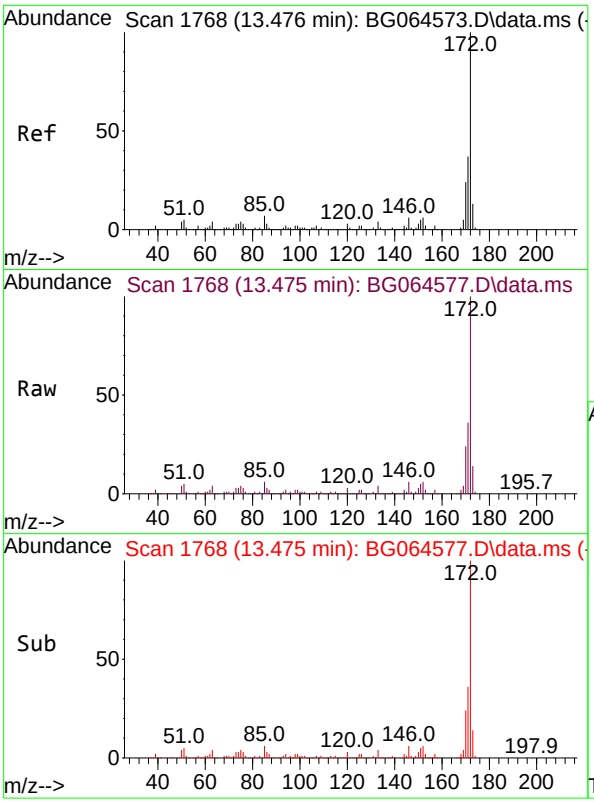


#44
2,4,5-Trichlorophenol
Concen: 37.228 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:196 Resp: 102433

Ion	Ratio	Lower	Upper
196	100		
198	93.9	74.2	111.4
97	47.0	37.0	55.6
132	23.1	18.5	27.7



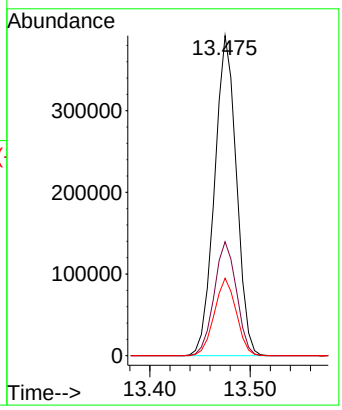


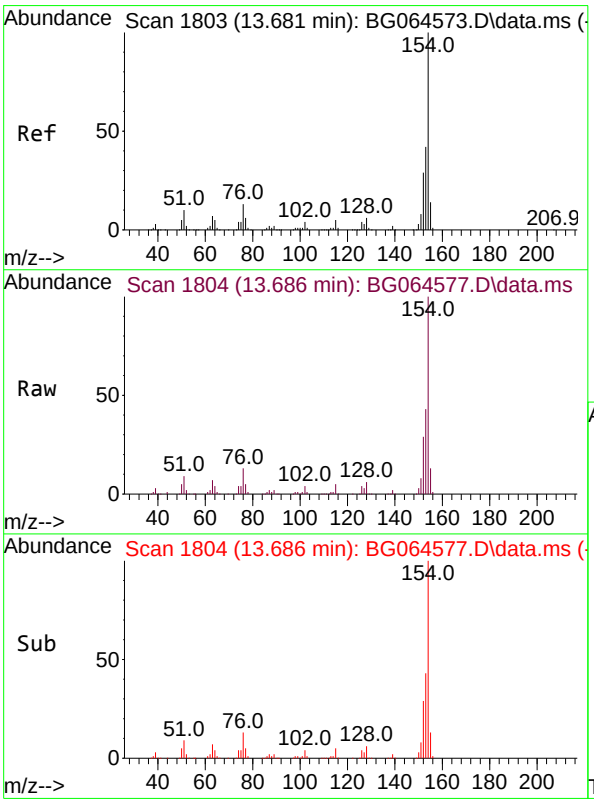
#45
2-Fluorobiphenyl
Concen: 72.599 ng
RT: 13.475 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:172 Resp: 594887

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.2	19.1	28.7

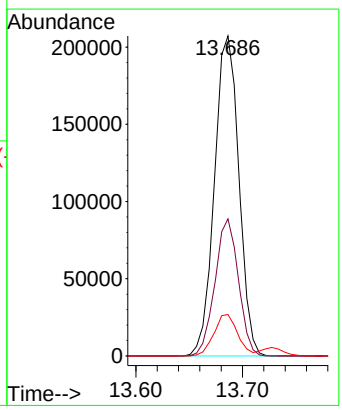


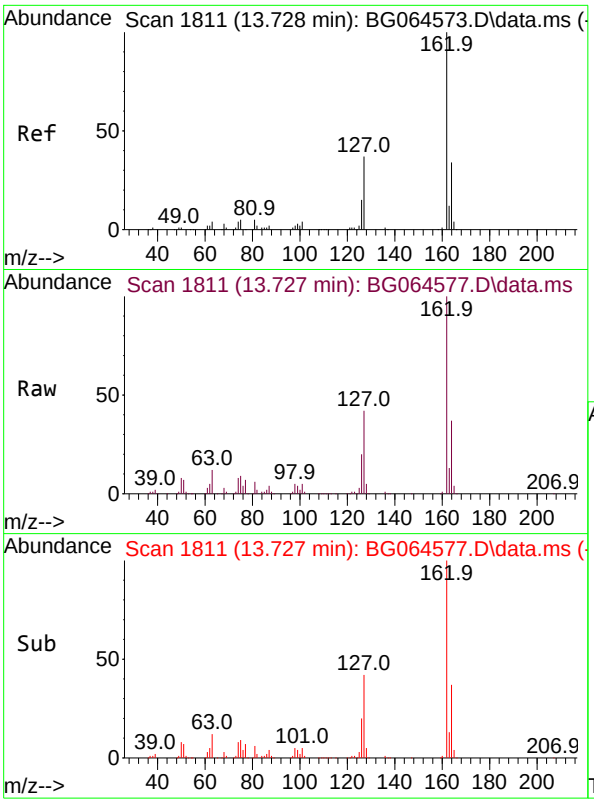


#46
1,1'-Biphenyl
Concen: 37.331 ng
RT: 13.686 min Scan# 1804
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:154 Resp: 329629

Ion	Ratio	Lower	Upper
154	100		
153	42.8	22.4	62.4
76	12.9	0.0	33.5



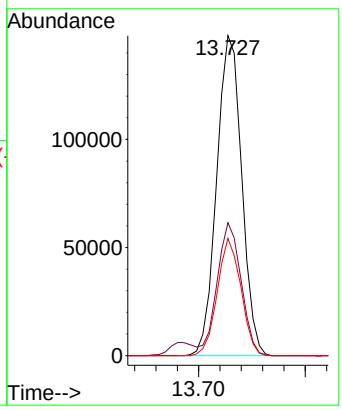


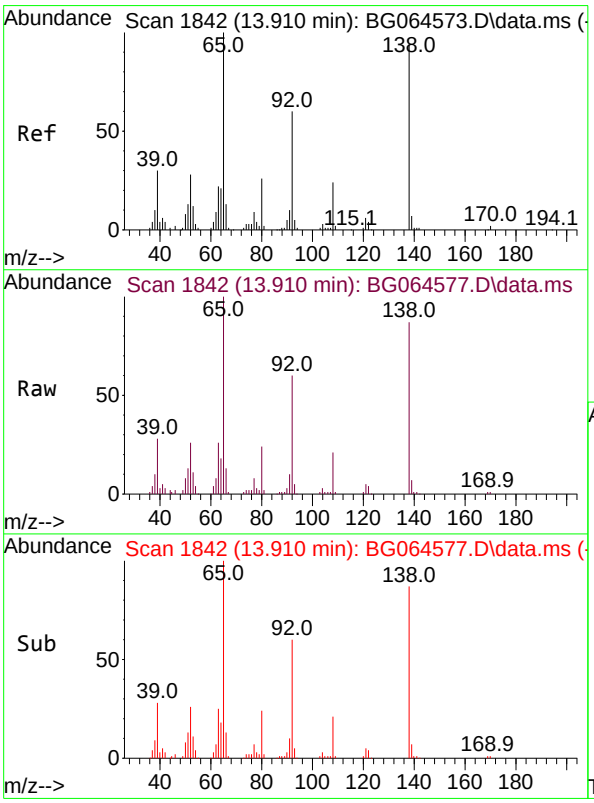
#47
2-Chloronaphthalene
Concen: 36.205 ng
RT: 13.727 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:162 Resp: 241311

Ion	Ratio	Lower	Upper
162	100		
127	41.5	32.2	48.2
164	36.6	27.5	41.3

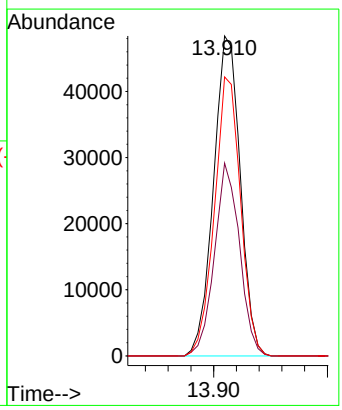


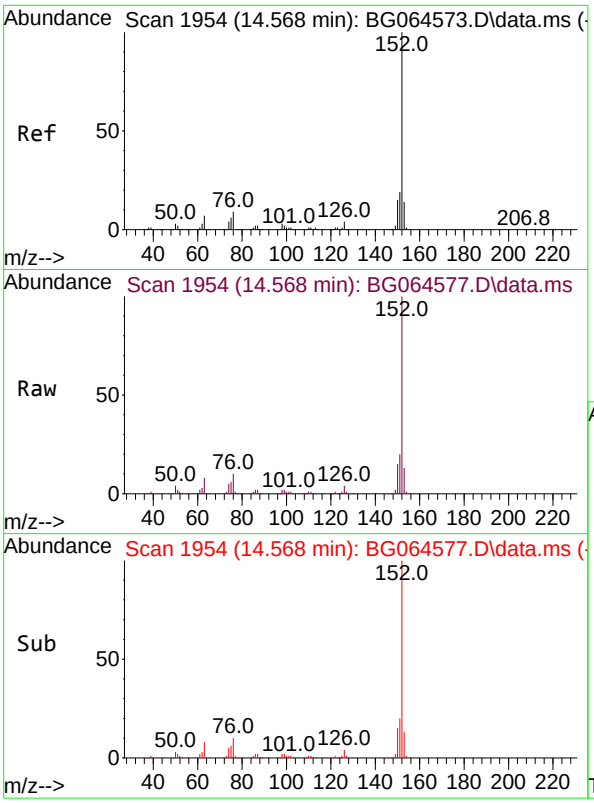


#48
2-Nitroaniline
Concen: 36.129 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 65 Resp: 78927

Ion	Ratio	Lower	Upper
65	100		
92	60.2	48.3	72.5
138	87.2	74.9	112.3



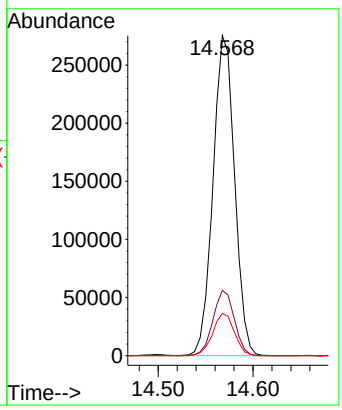


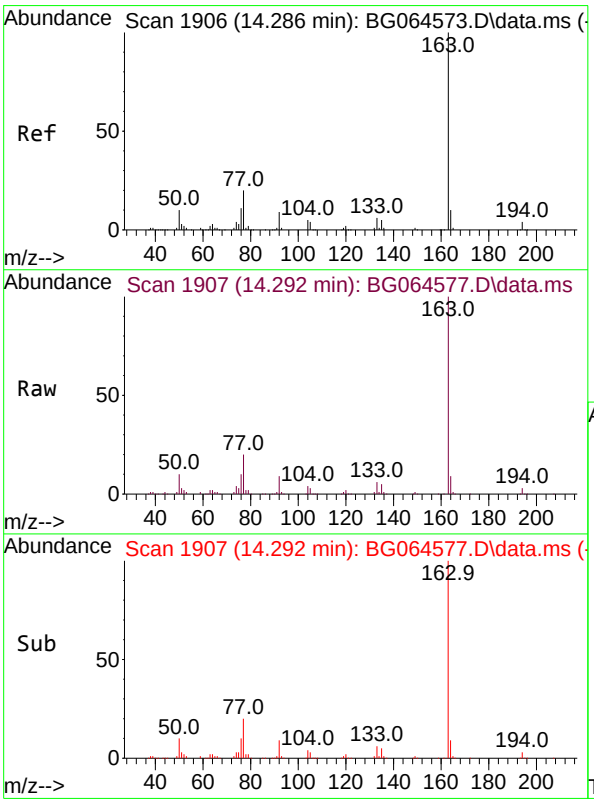
#49
Acenaphthylene
Concen: 41.457 ng
RT: 14.568 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:152 Resp: 435836

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.2
153	13.2	11.0	16.4

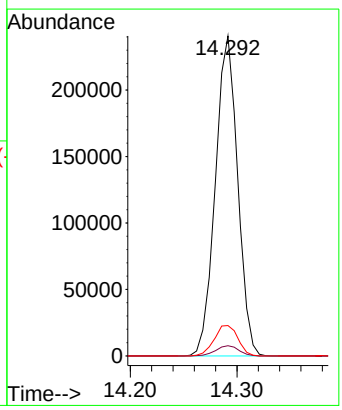


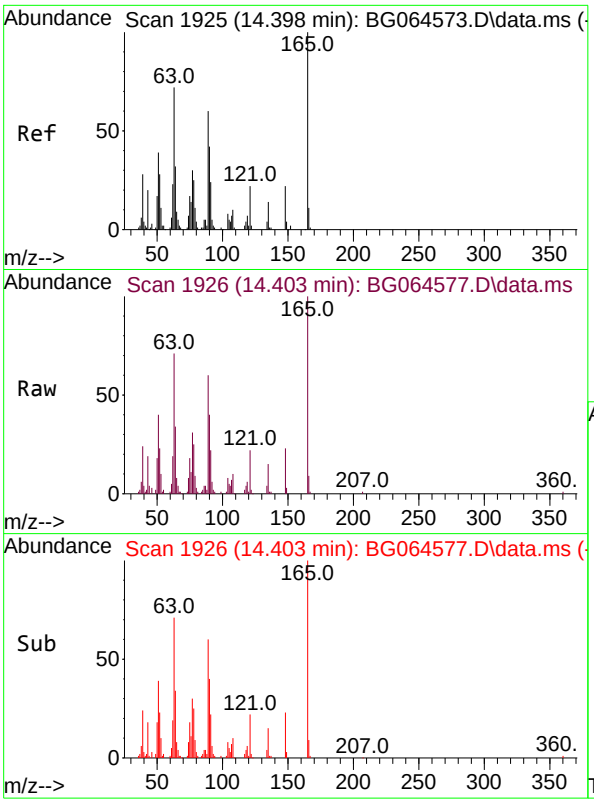


#50
Dimethylphthalate
Concen: 36.890 ng
RT: 14.292 min Scan# 1907
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:163 Resp: 350600

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.5	7.7	11.5



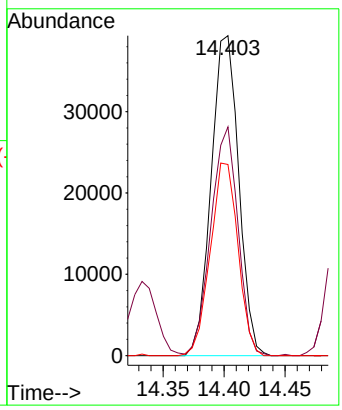


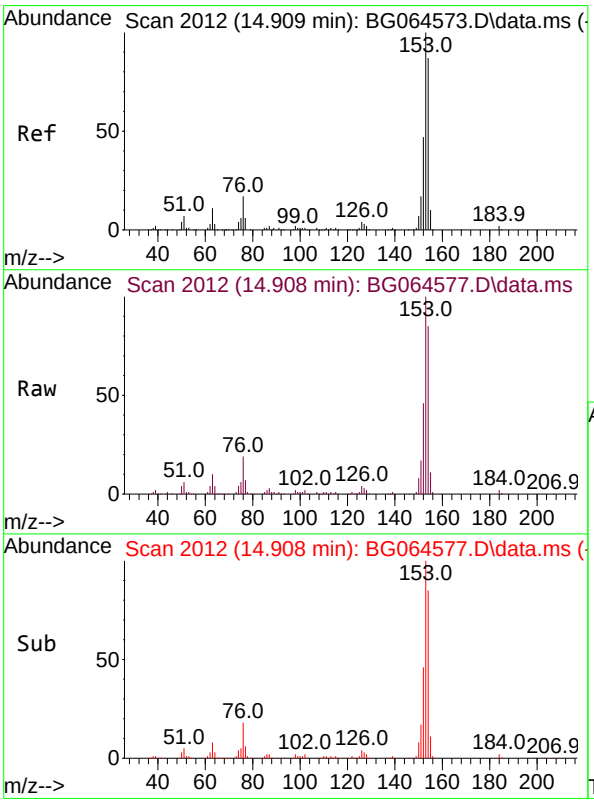
#51
2,6-Dinitrotoluene
Concen: 39.971 ng
RT: 14.403 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:165 Resp: 61784

Ion	Ratio	Lower	Upper
165	100		
63	71.5	57.4	86.0
89	59.7	47.8	71.8

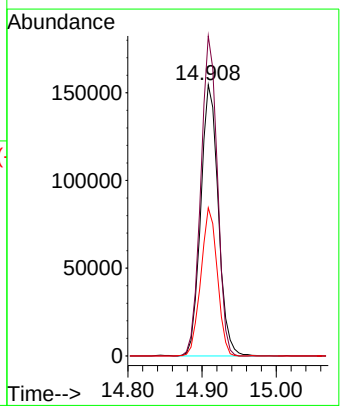


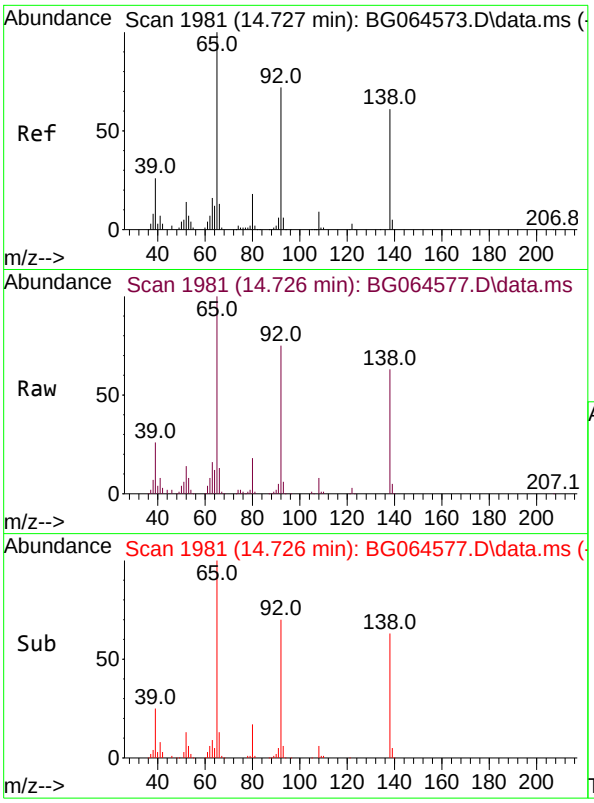


#52
Acenaphthene
Concen: 35.340 ng
RT: 14.908 min Scan# 2012
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:154 Resp: 253833

Ion	Ratio	Lower	Upper
154	100		
153	118.0	92.2	138.4
152	54.6	43.2	64.8



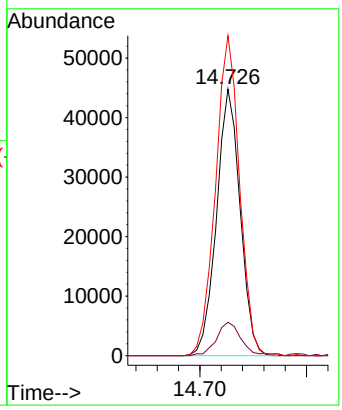


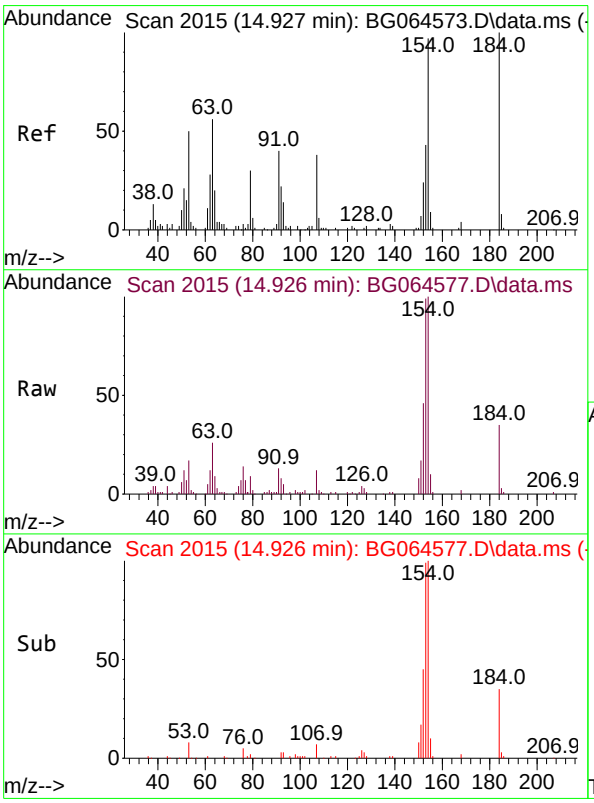
#53
3-Nitroaniline
Concen: 42.080 ng
RT: 14.726 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:138 Resp: 68729

Ion	Ratio	Lower	Upper
138	100		
108	12.5	11.4	17.0
92	120.1	95.3	142.9

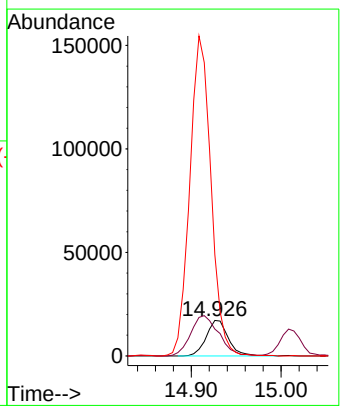


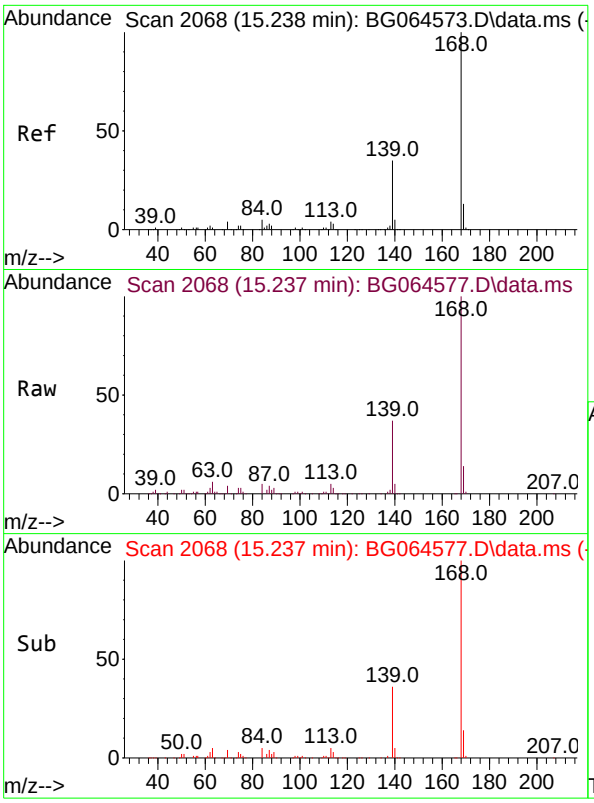


#54
2,4-Dinitrophenol
Concen: 33.991 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:184 Resp: 29394

Ion	Ratio	Lower	Upper
184	100		
63	75.8	56.6	85.0
154	285.9	158.6	238.0#



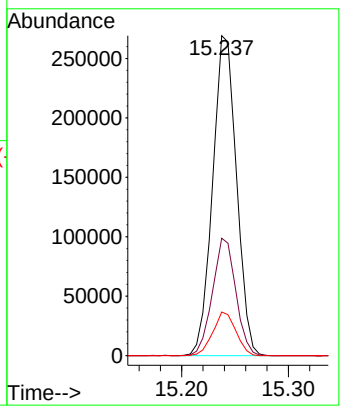


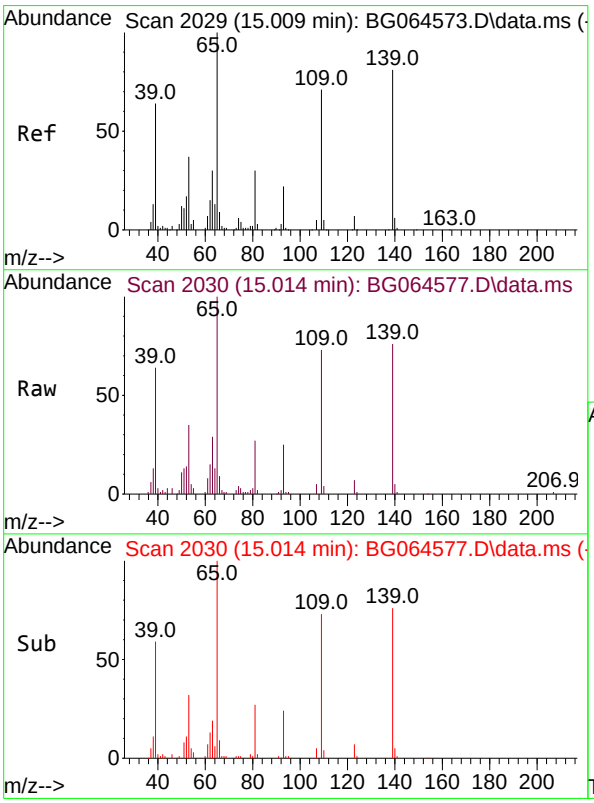
#55
Dibenzofuran
Concen: 36.096 ng
RT: 15.237 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:168 Resp: 419154

Ion	Ratio	Lower	Upper
168	100		
139	36.7	27.8	41.8
169	13.6	10.3	15.5

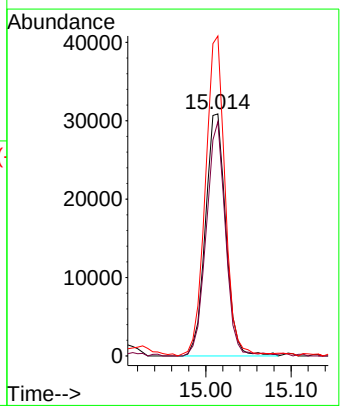


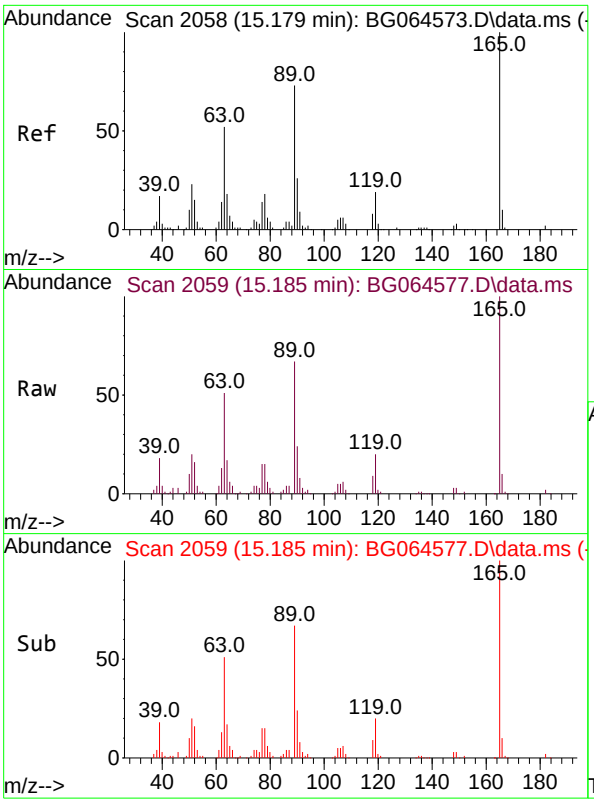


#56
4-Nitrophenol
Concen: 33.818 ng
RT: 15.014 min Scan# 2030
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:139 Resp: 51210

Ion	Ratio	Lower	Upper
139	100		
109	96.8	67.8	107.8
65	132.2	103.7	143.7



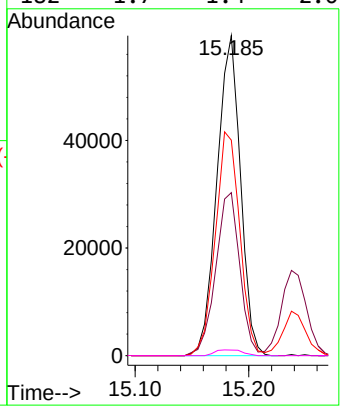


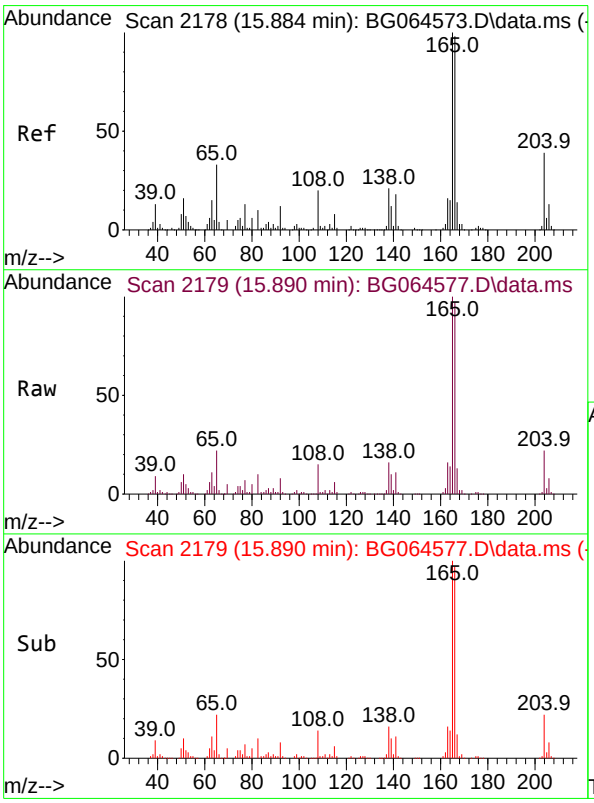
#57
2,4-Dinitrotoluene
Concen: 35.957 ng
RT: 15.185 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:165 Resp: 85201

Ion	Ratio	Lower	Upper
165	100		
63	50.9	41.8	62.8
89	67.3	58.1	87.1
182	1.7	1.4	2.0

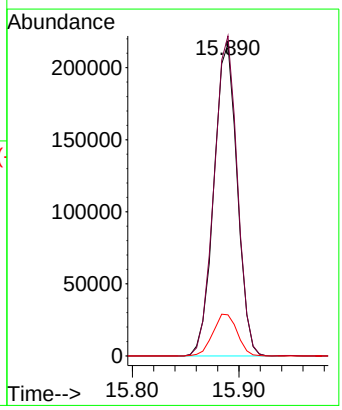


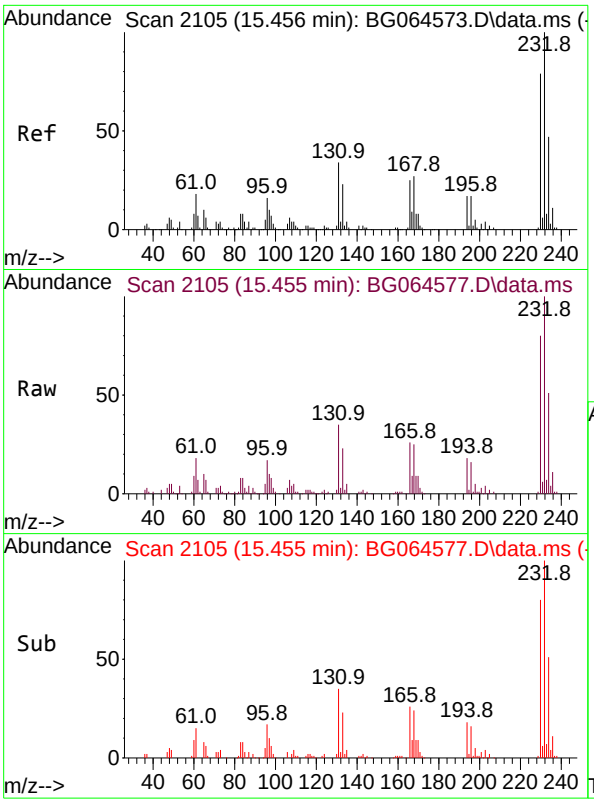


#58
Fluorene
Concen: 36.238 ng
RT: 15.890 min Scan# 2179
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:166 Resp: 328636

Ion	Ratio	Lower	Upper
166	100		
165	102.6	81.5	122.3
167	13.1	11.4	17.0



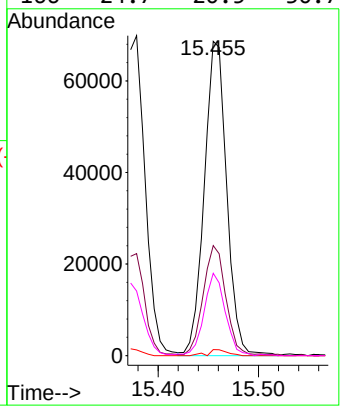


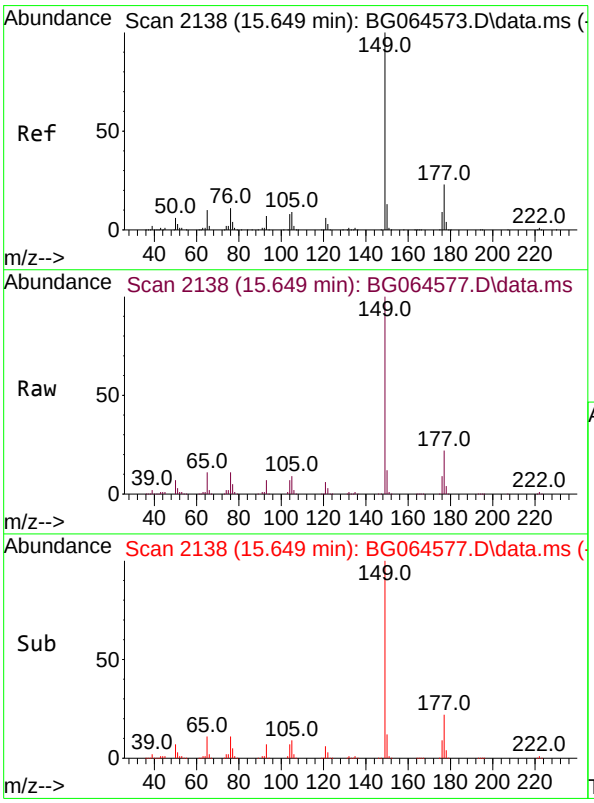
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.525 ng
RT: 15.455 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:232 Resp: 106626

Ion	Ratio	Lower	Upper
232	100		
131	35.6	26.7	40.1
130	1.7	1.6	2.4
166	24.7	20.5	30.7

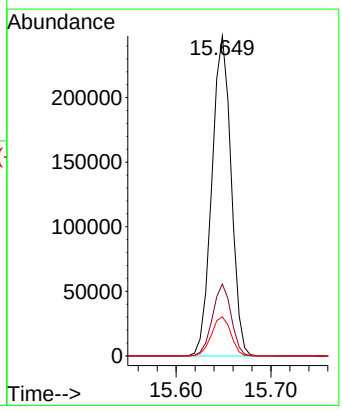


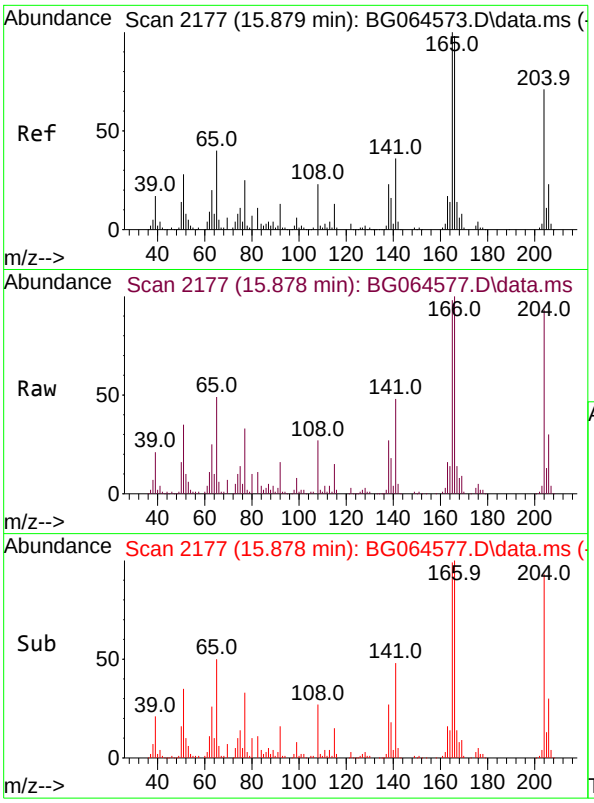


#60
Diethylphthalate
Concen: 35.961 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 348964

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.2	10.2	15.4



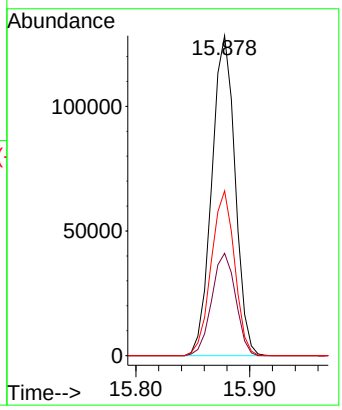


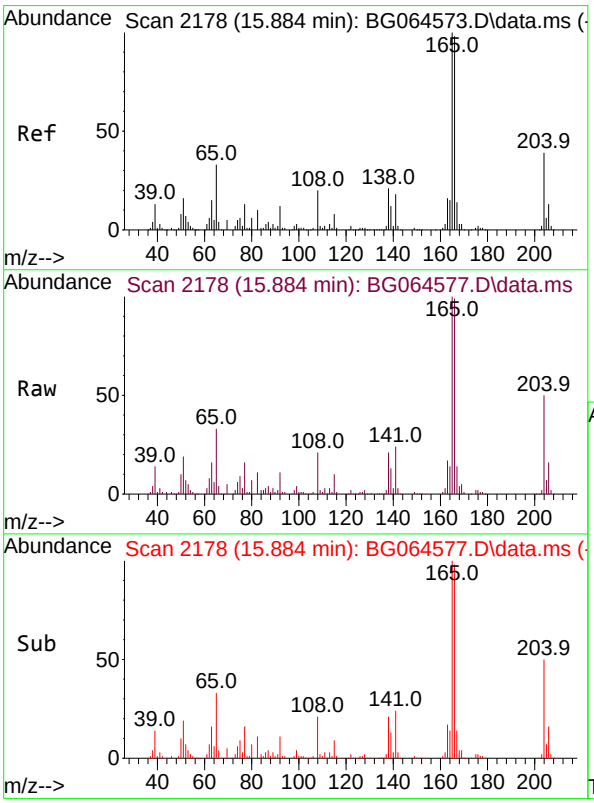
#61
4-Chlorophenyl-phenylether
Concen: 35.902 ng
RT: 15.878 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:204 Resp: 182714

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	51.5	40.6	60.8

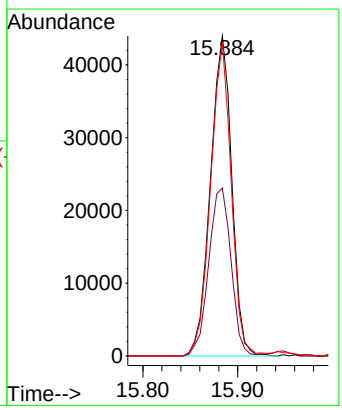


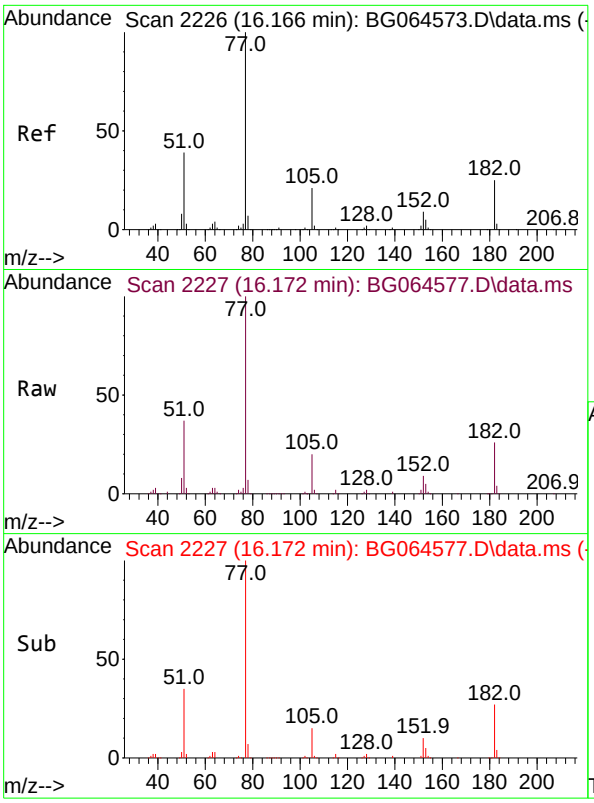


#62
4-Nitroaniline
Concen: 37.867 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:138 Resp: 68807

Ion	Ratio	Lower	Upper
138	100		
92	52.5	36.1	76.1
108	97.9	75.6	115.6



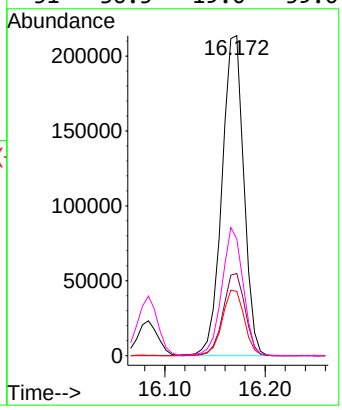


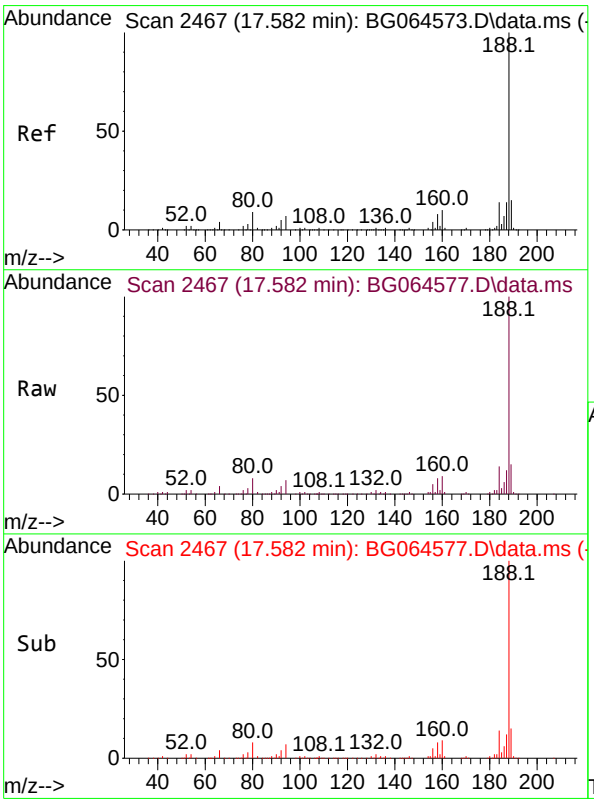
#63
Azobenzene
Concen: 36.325 ng
RT: 16.172 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 77 Resp: 323432

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.9	44.9
105	20.1	1.3	41.3
51	36.5	19.0	59.0

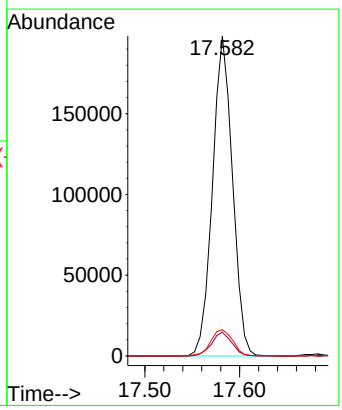


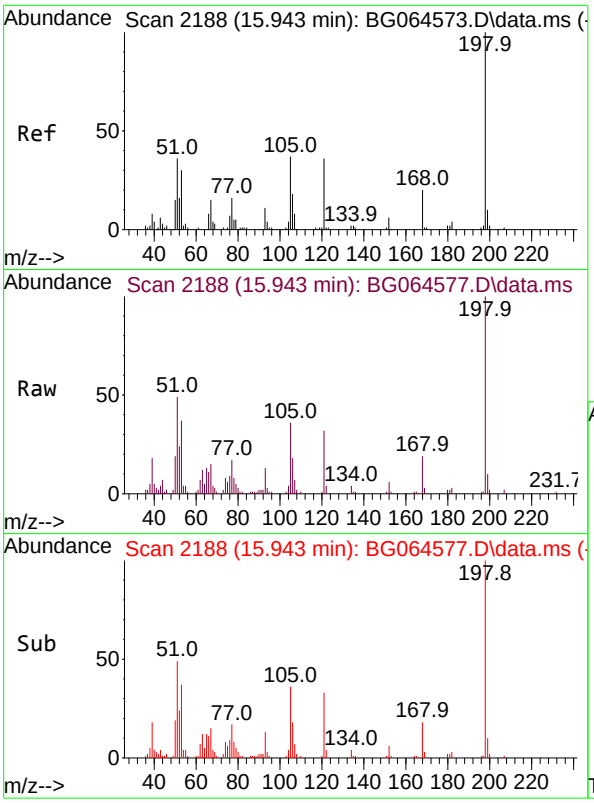


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:188 Resp: 290051

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.7	8.5
80	8.2	6.8	10.2



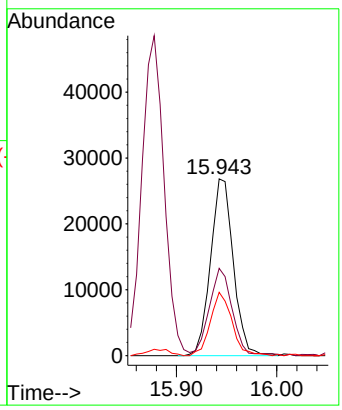


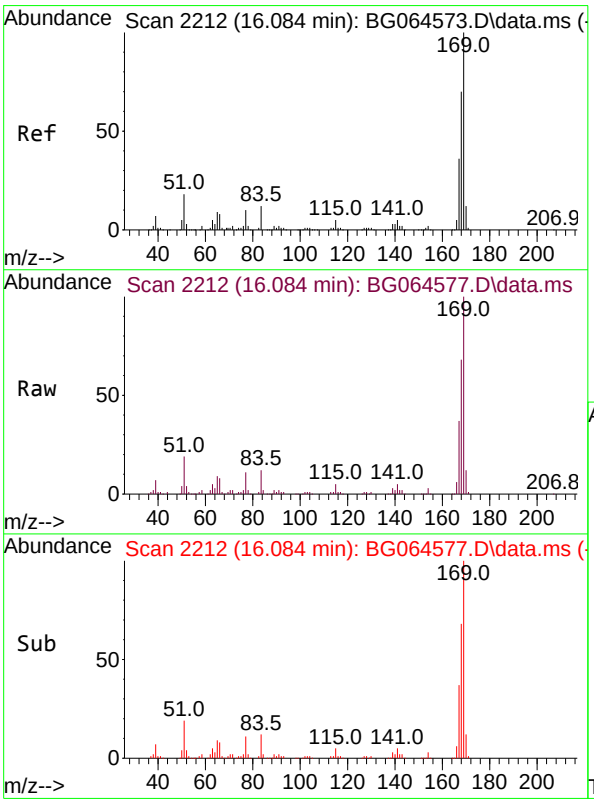
#65
4,6-Dinitro-2-methylphenol
Concen: 34.885 ng
RT: 15.943 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:198 Resp: 42391

Ion	Ratio	Lower	Upper
198	100		
51	49.5	24.7	64.7
105	35.9	18.0	58.0

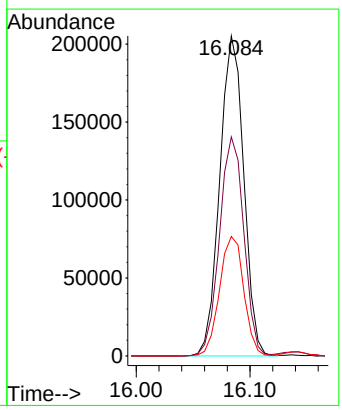


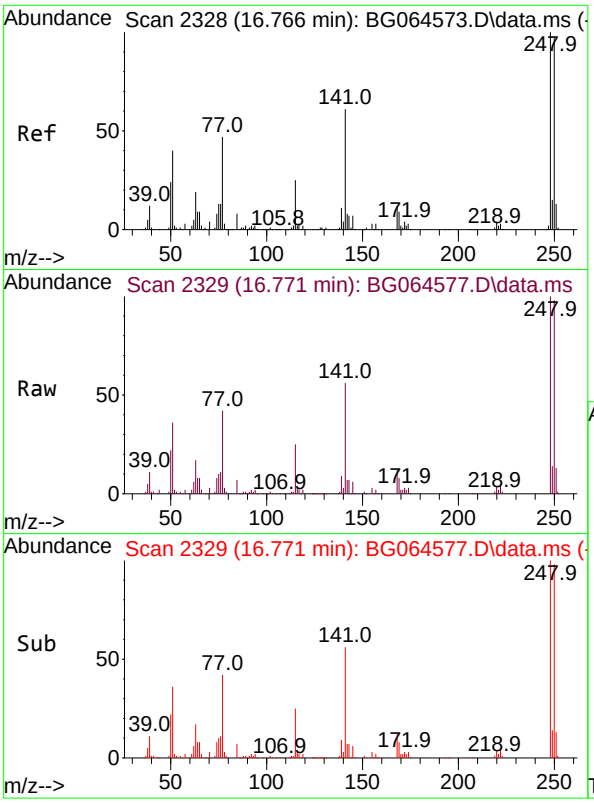


#66
n-Nitrosodiphenylamine
Concen: 38.325 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:169 Resp: 300274

Ion	Ratio	Lower	Upper
169	100		
168	68.4	56.3	84.5
167	37.3	29.0	43.6



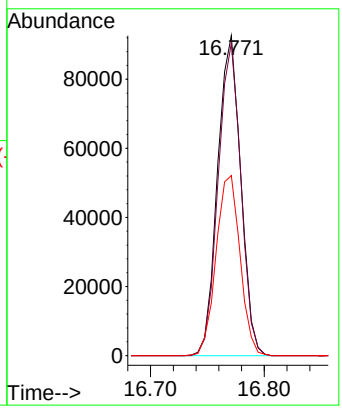


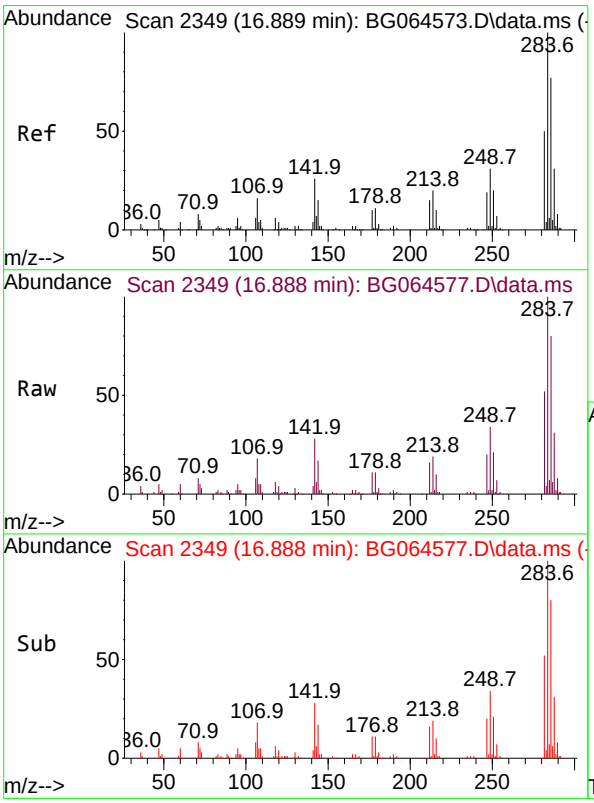
#67
4-Bromophenyl-phenylether
Concen: 38.044 ng
RT: 16.771 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:248 Resp: 130765

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.7	116.5
141	56.3	48.6	72.8

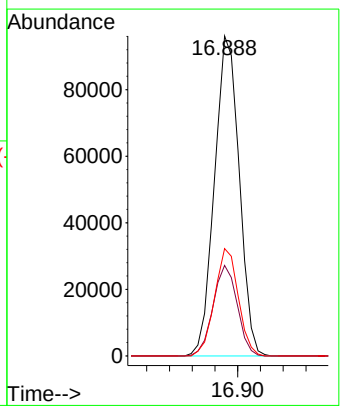


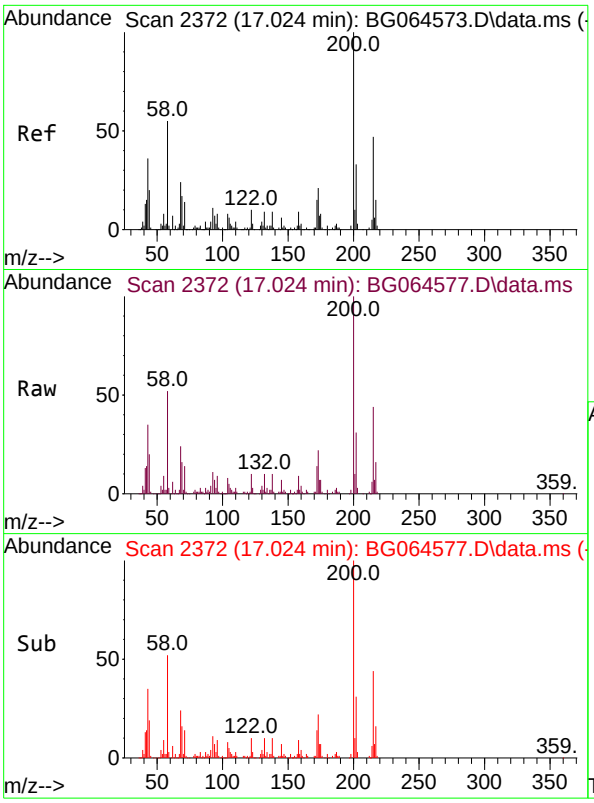


#68
Hexachlorobenzene
Concen: 36.971 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:284 Resp: 144974

Ion	Ratio	Lower	Upper
284	100		
142	28.3	21.0	31.6
249	33.5	24.9	37.3



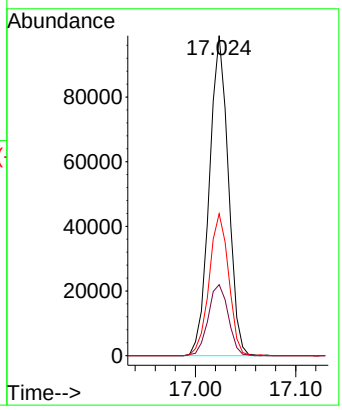


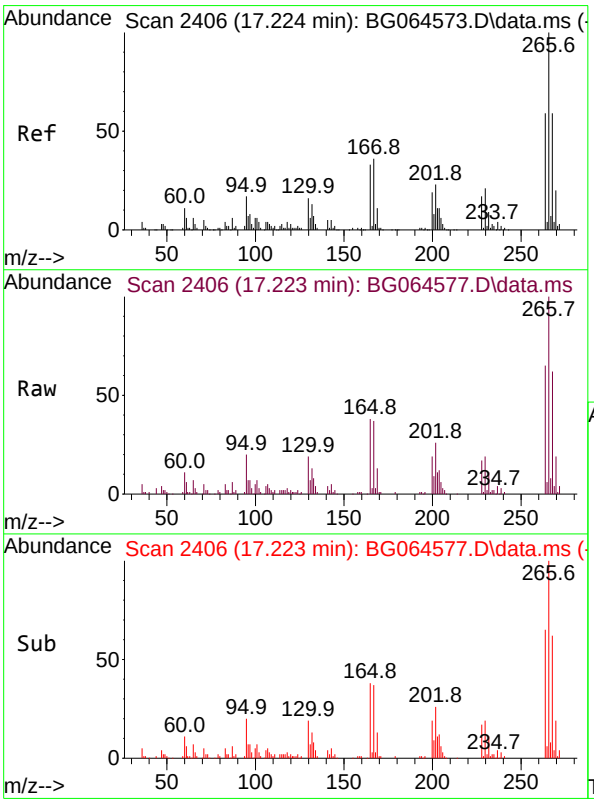
#69
Atrazine
Concen: 38.558 ng
RT: 17.024 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:200 Resp: 130007

Ion	Ratio	Lower	Upper
200	100		
173	22.2	0.9	40.9
215	44.3	27.0	67.0

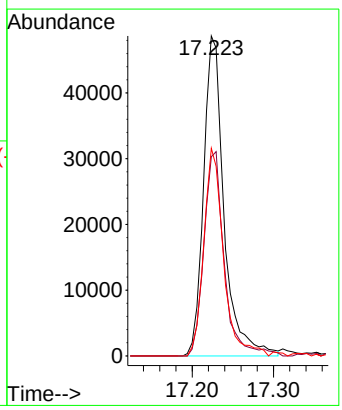


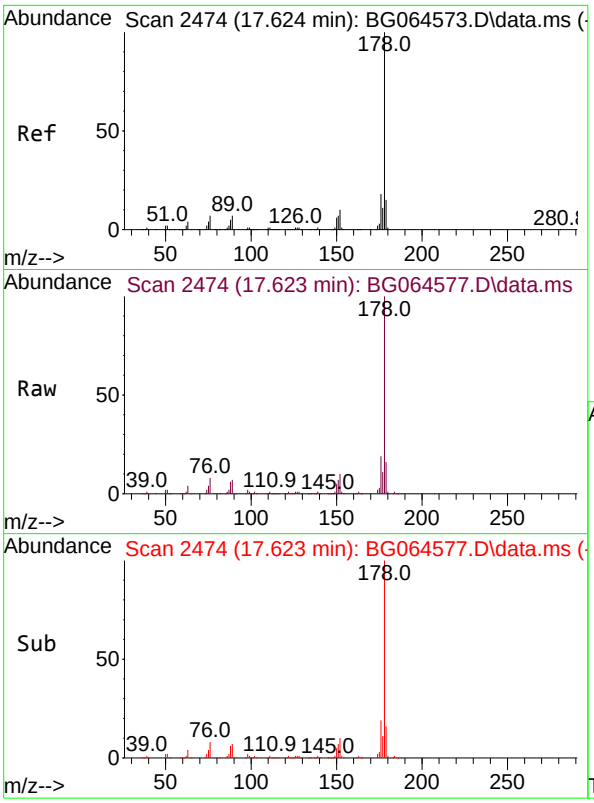


#70
Pentachlorophenol
Concen: 34.829 ng
RT: 17.223 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:266 Resp: 85166

Ion	Ratio	Lower	Upper
266	100		
268	66.7	50.3	75.5
264	70.5	47.3	70.9



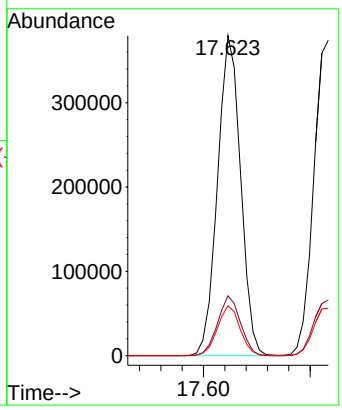


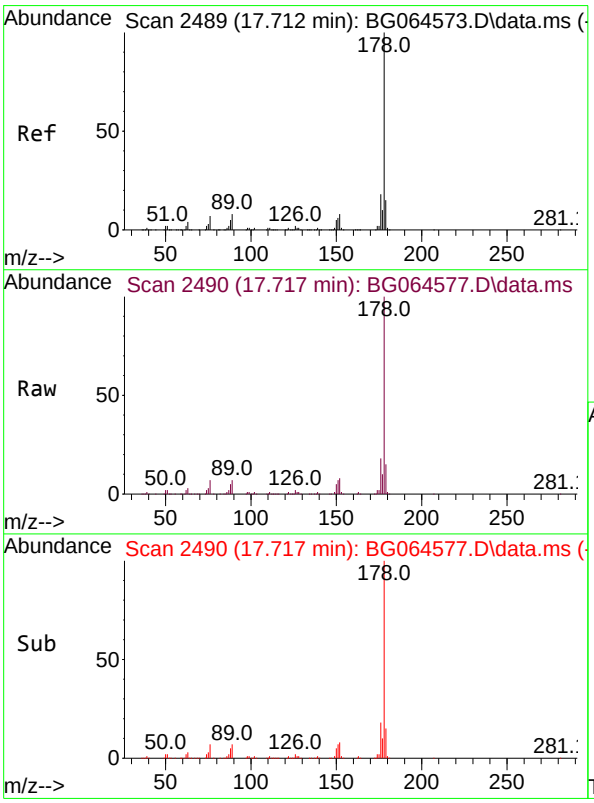
#71
Phenanthrene
Concen: 35.925 ng
RT: 17.623 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:178 Resp: 569825

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.2	18.4

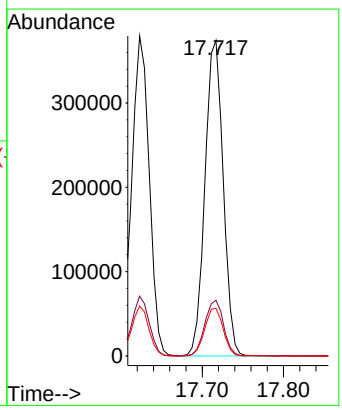


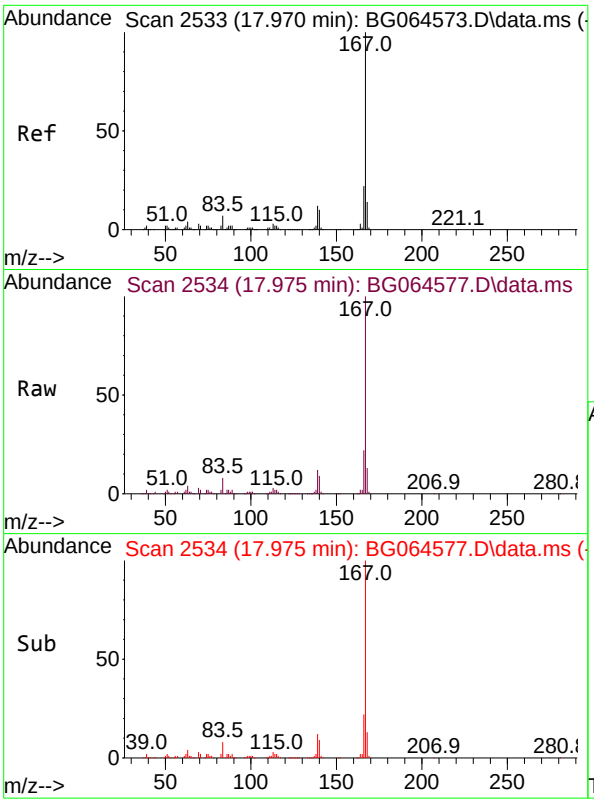


#72
Anthracene
Concen: 36.210 ng
RT: 17.717 min Scan# 2490
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:178 Resp: 584246

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.4	21.6
179	15.1	12.4	18.6



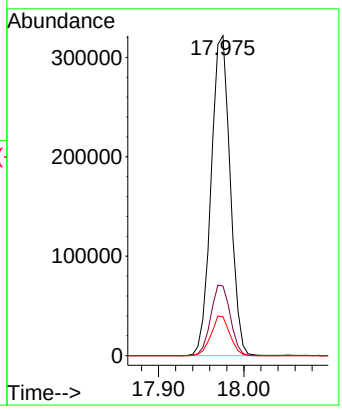


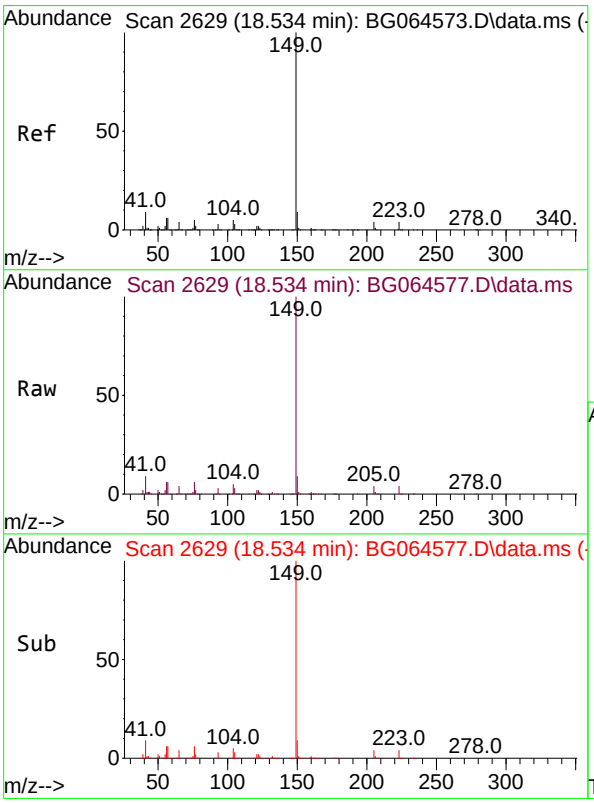
#73
Carbazole
Concen: 35.061 ng
RT: 17.975 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:167 Resp: 498849

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.9	26.9
139	12.1	9.7	14.5

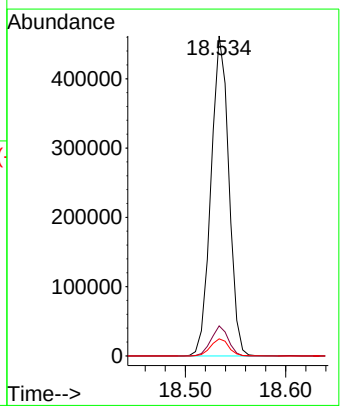


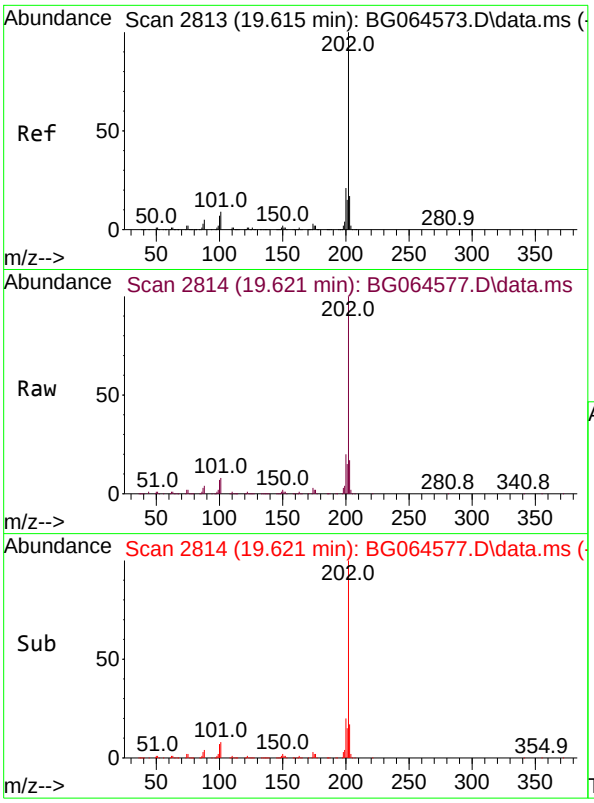


#74
Di-n-butylphthalate
Concen: 34.688 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 570718

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.0	10.6
104	5.3	4.1	6.1



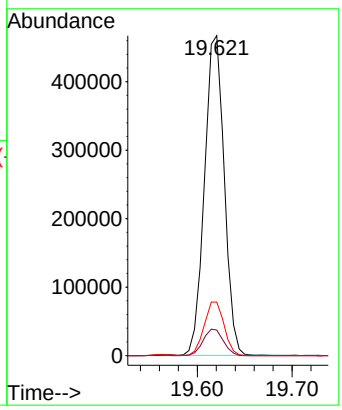


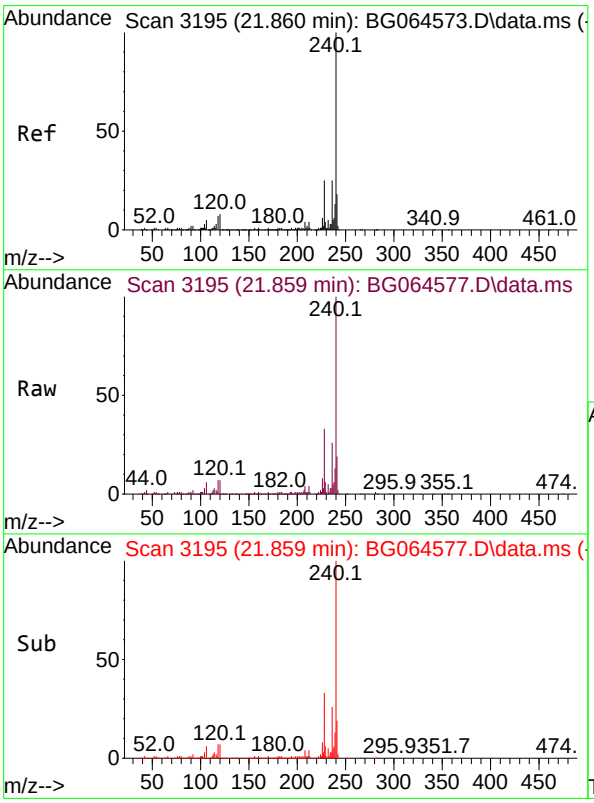
#75
Fluoranthene
Concen: 34.070 ng
RT: 19.621 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:202 Resp: 676996

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.7
203	16.7	0.0	37.0

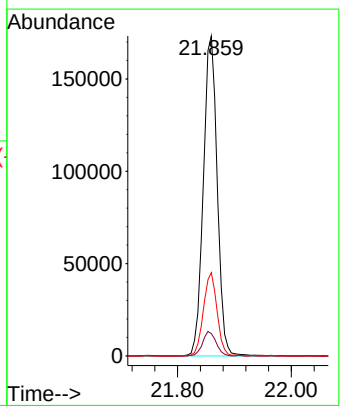


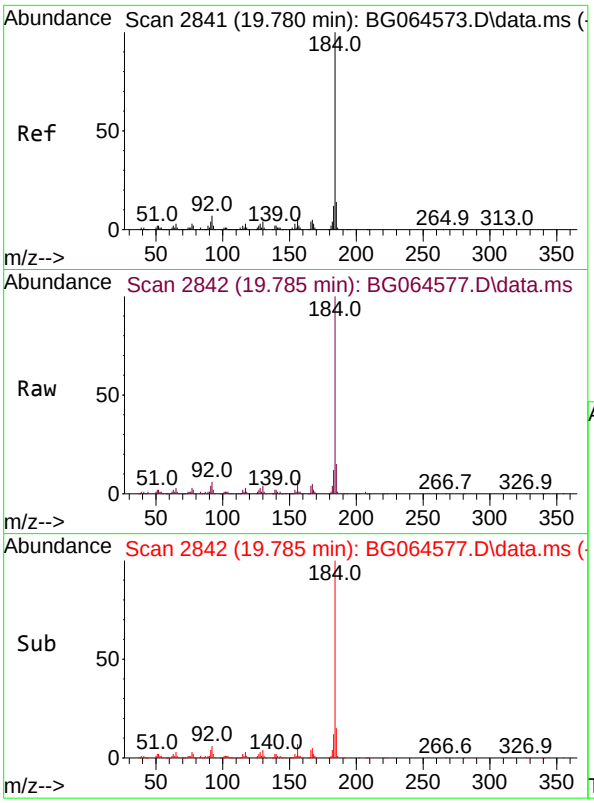


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.859 min Scan# 3195
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:240 Resp: 293608

Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.5	9.7
236	26.0	20.2	30.2



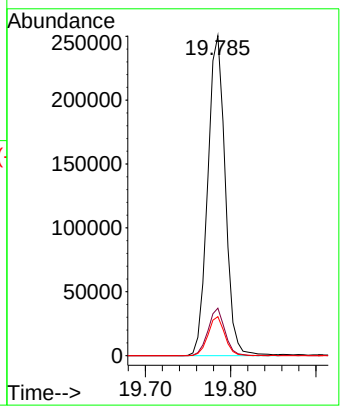


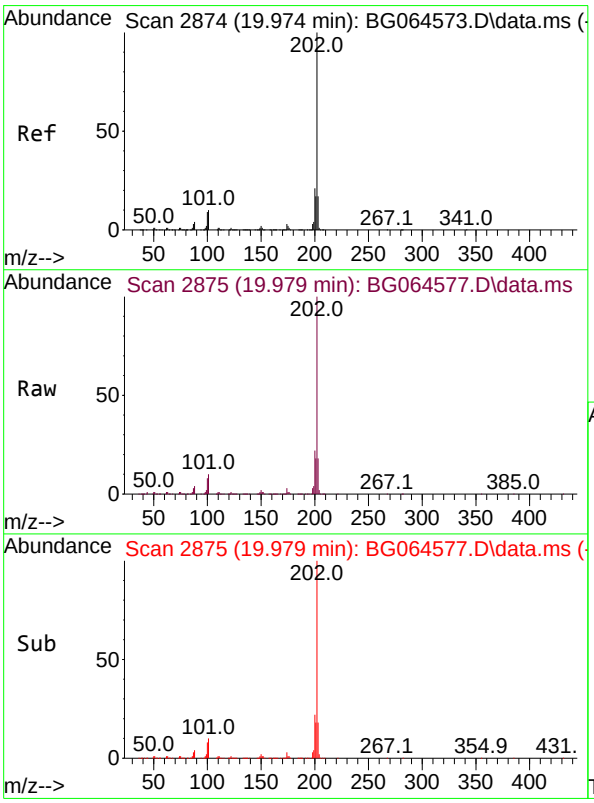
#77
Benzidine
Concen: 54.203 ng
RT: 19.785 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:184 Resp: 356547

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.4	17.2
183	12.2	9.4	14.2

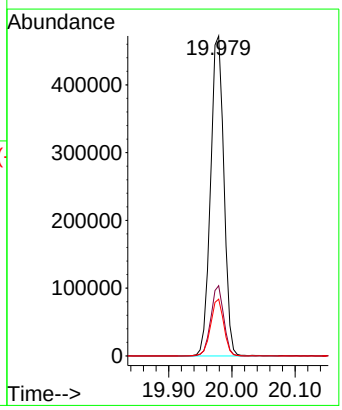


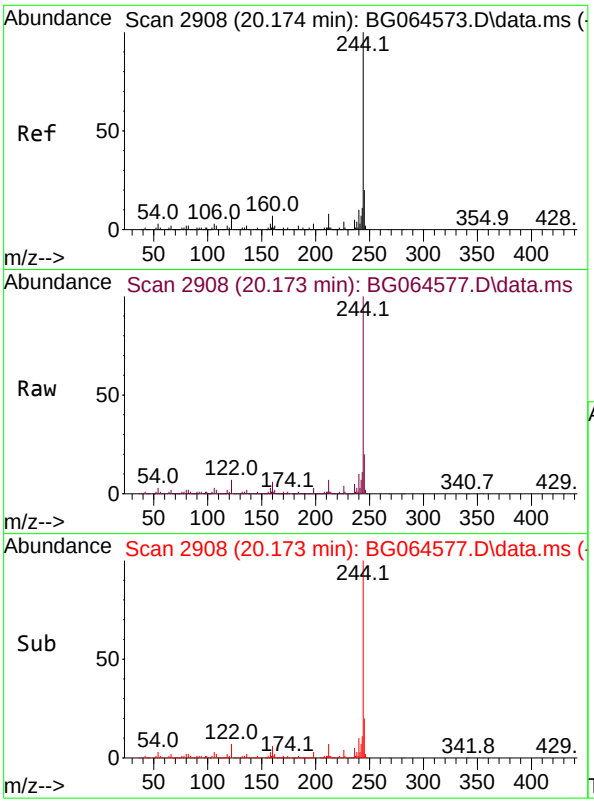


#78
Pyrene
Concen: 36.130 ng
RT: 19.979 min Scan# 2875
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:202 Resp: 693068

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.4
203	17.7	13.8	20.6



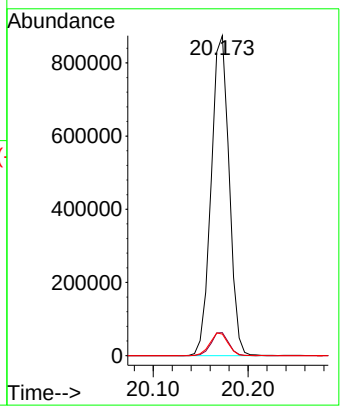


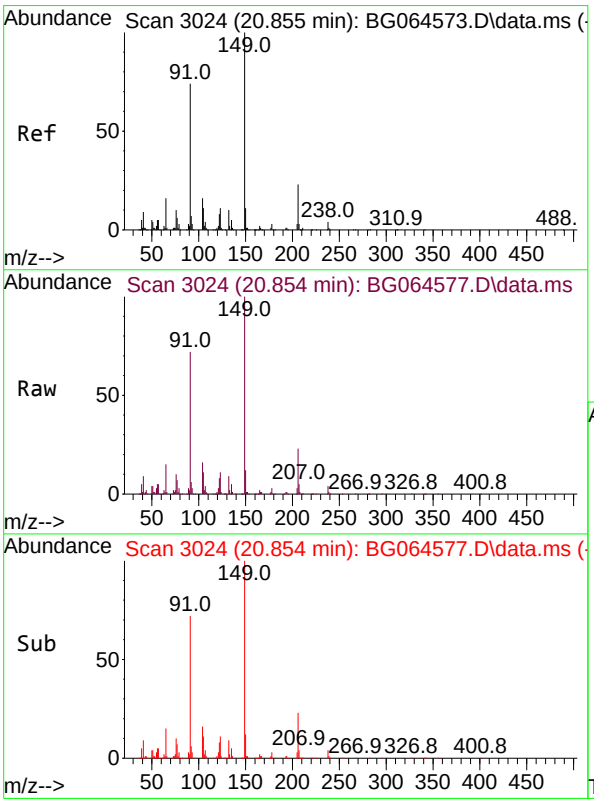
#79
Terphenyl-d14
Concen: 74.019 ng
RT: 20.173 min Scan# 29
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:244 Resp: 1151597

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.7	5.6	8.4

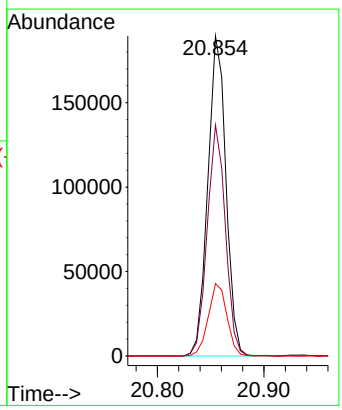


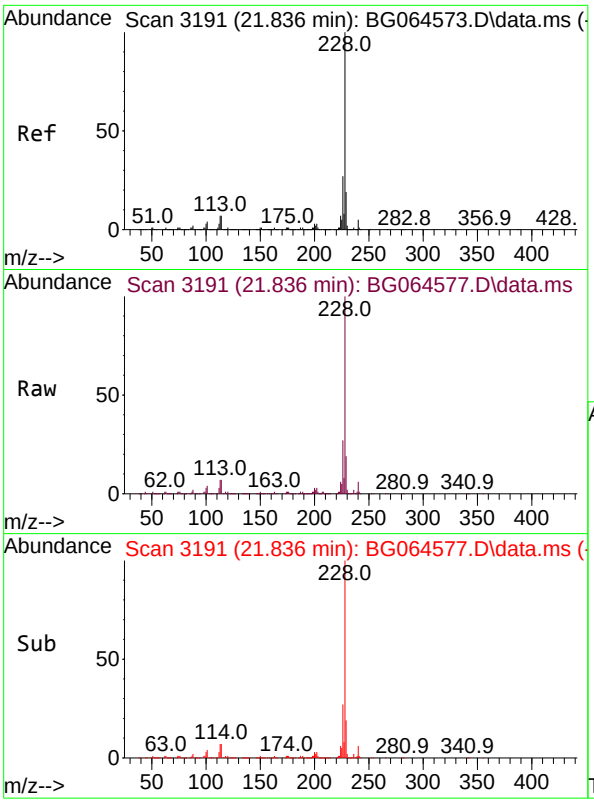


#80
Butylbenzylphthalate
Concen: 38.702 ng
RT: 20.854 min Scan# 3024
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 224386

Ion	Ratio	Lower	Upper
149	100		
91	72.1	59.2	88.8
206	22.6	18.1	27.1



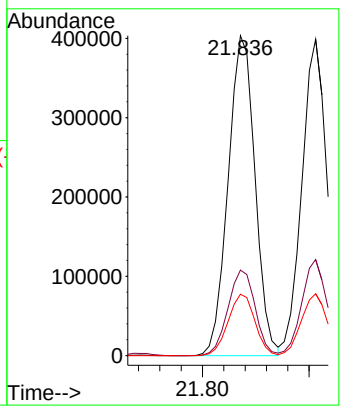


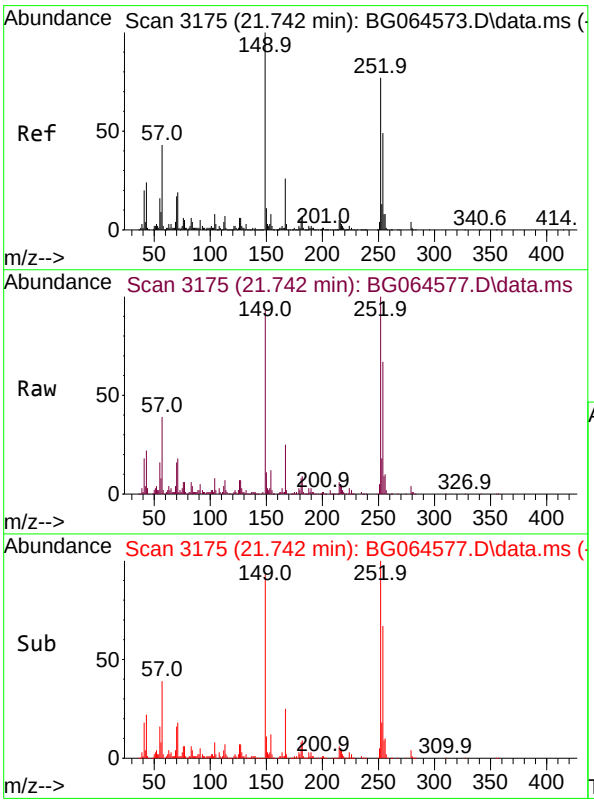
#81
Benzo(a)anthracene
Concen: 36.287 ng
RT: 21.836 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:228 Resp: 706428

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.2	15.6	23.4

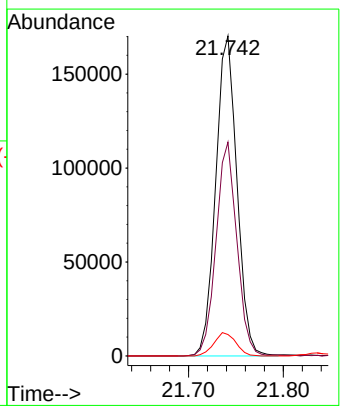


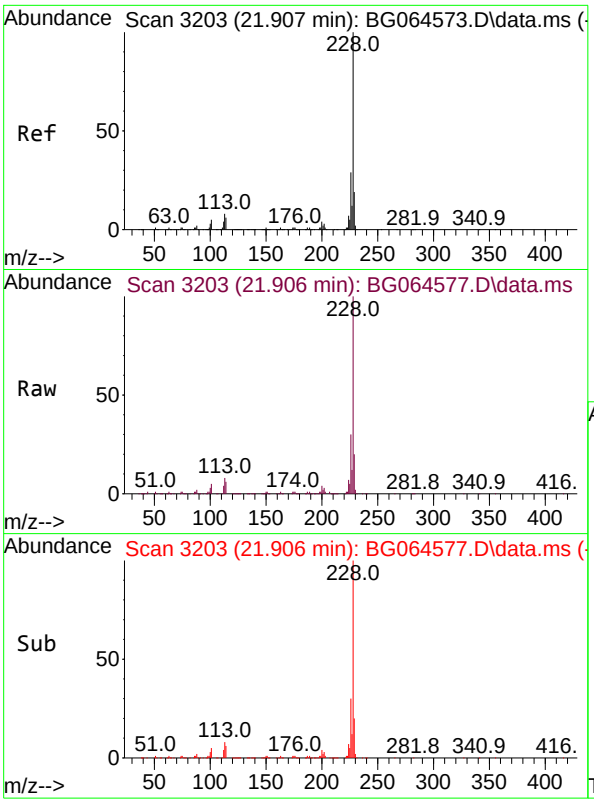


#82
3,3'-Dichlorobenzidine
Concen: 40.813 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 265324

Ion	Ratio	Lower	Upper
252	100		
254	66.8	50.8	76.2
126	6.7	5.8	8.6



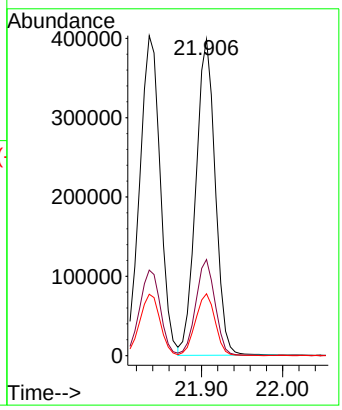


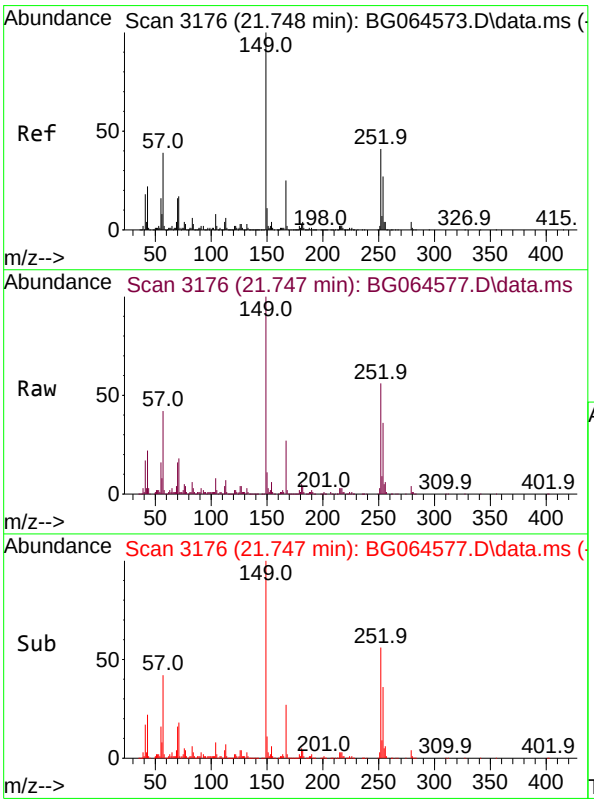
#83
Chrysene
Concen: 35.533 ng
RT: 21.906 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:228 Resp: 658217

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.3	34.9
229	19.5	15.2	22.8

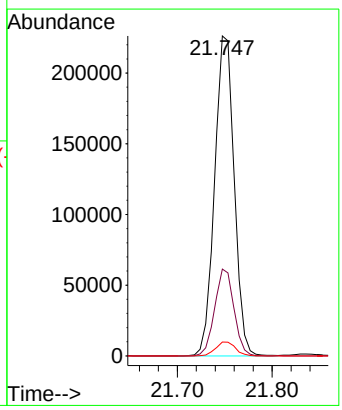


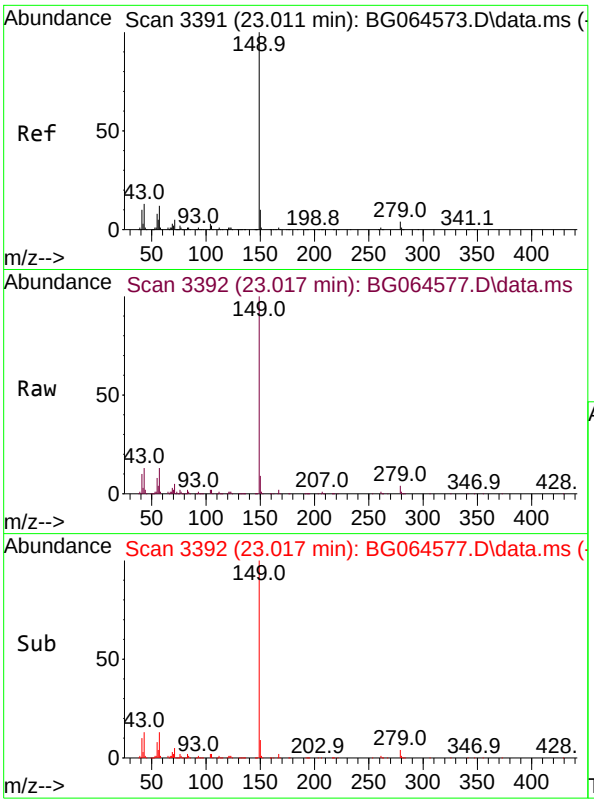


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.470 ng
RT: 21.747 min Scan# 3176
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 324614

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.0	30.0
279	4.3	3.1	4.7



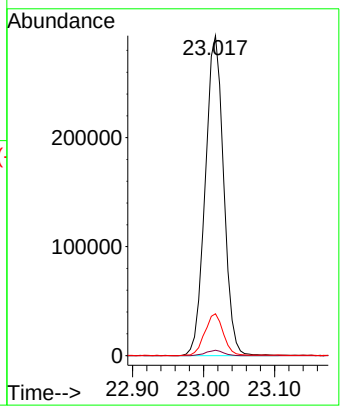


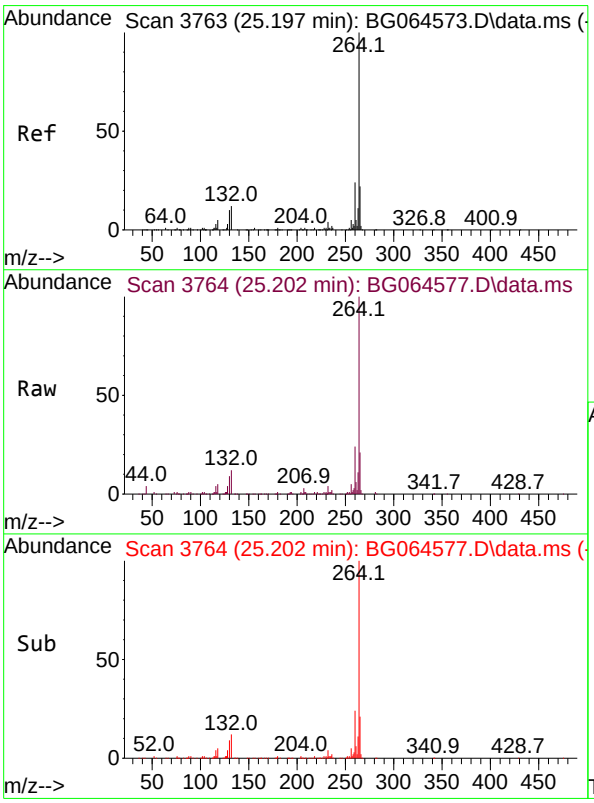
#85
Di-n-octyl phthalate
Concen: 36.087 ng
RT: 23.017 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:149 Resp: 527097

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.3	10.8	16.2

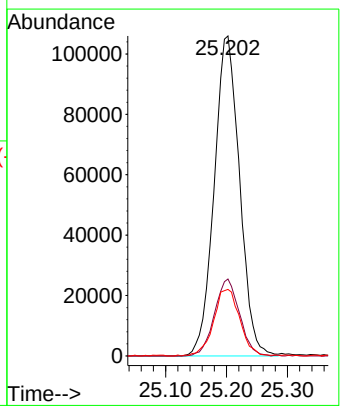


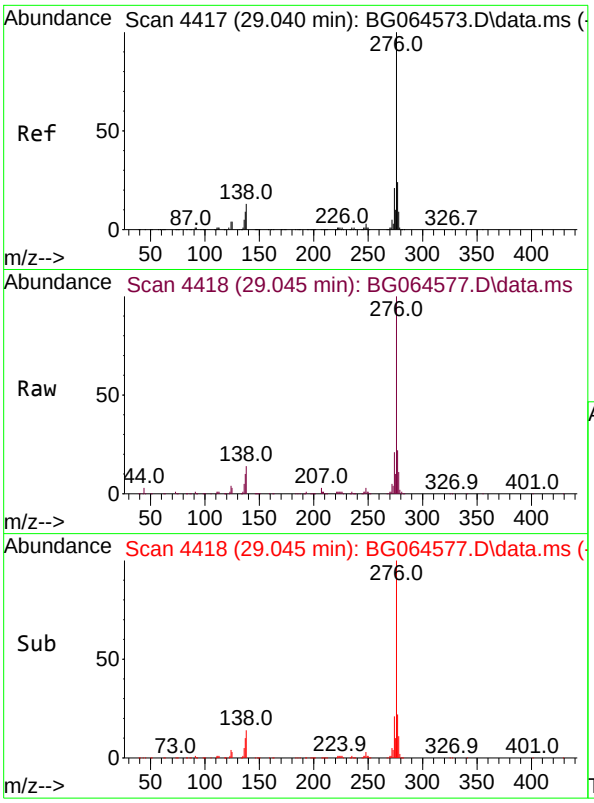


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.202 min Scan# 3764
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:264 Resp: 306886

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	20.8	17.6	26.4



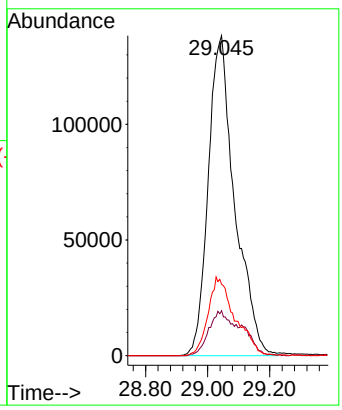


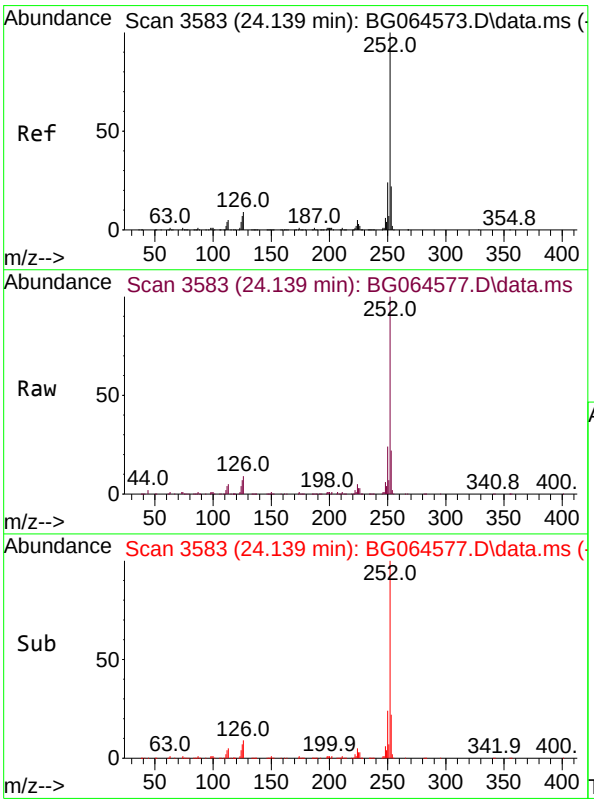
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.366 ng
RT: 29.045 min Scan# 44
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:276 Resp: 820974

Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.8	16.2
277	25.0	20.1	30.1

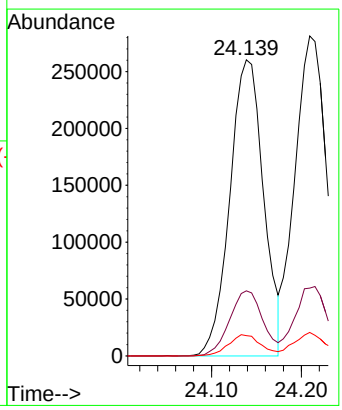


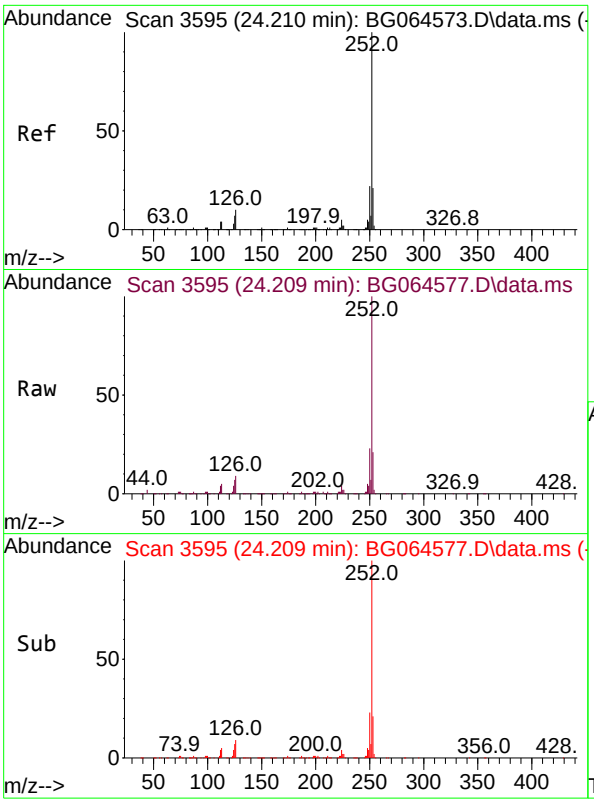


#88
Benzo(b)fluoranthene
Concen: 36.235 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 681881

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	6.8	5.6	8.4



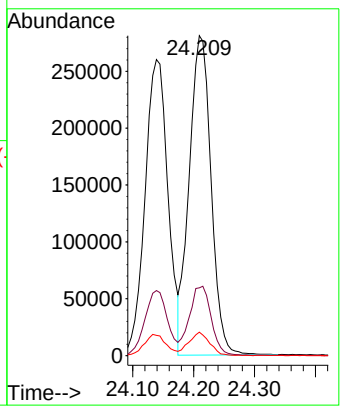


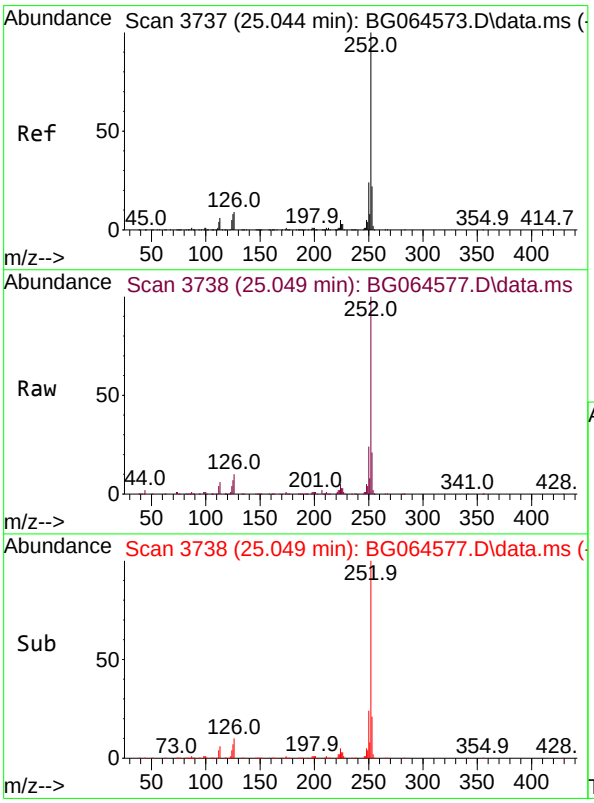
#89
Benzo(k)fluoranthene
Concen: 37.252 ng
RT: 24.209 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:252 Resp: 701500

Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.8	25.2
125	7.3	5.4	8.0

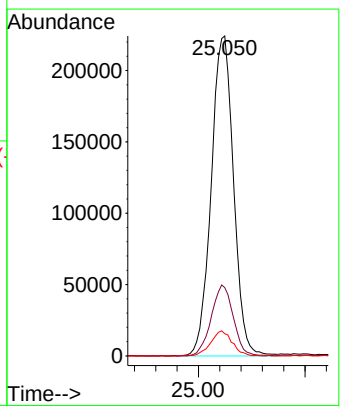


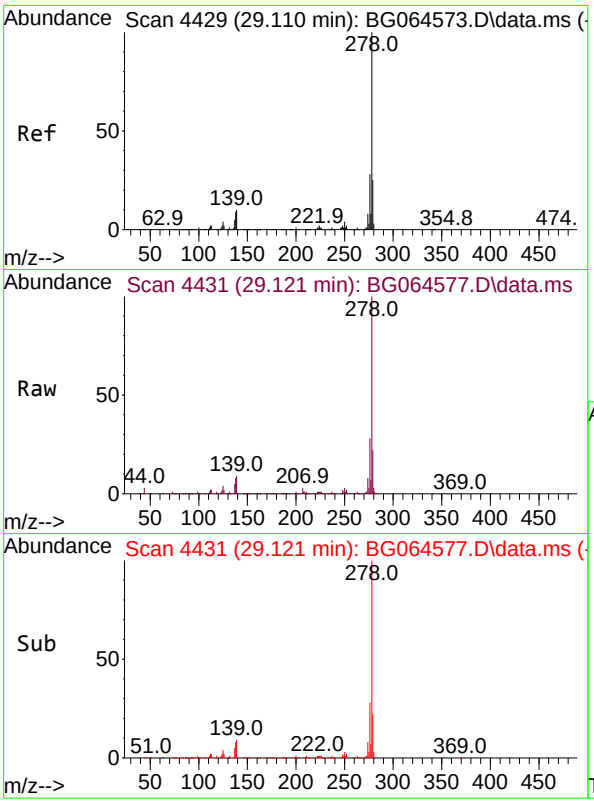


#90
Benzo(a)pyrene
Concen: 37.700 ng
RT: 25.049 min Scan# 3738
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 652126

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	6.9	6.1	9.1



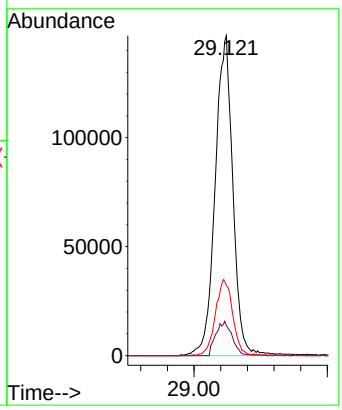


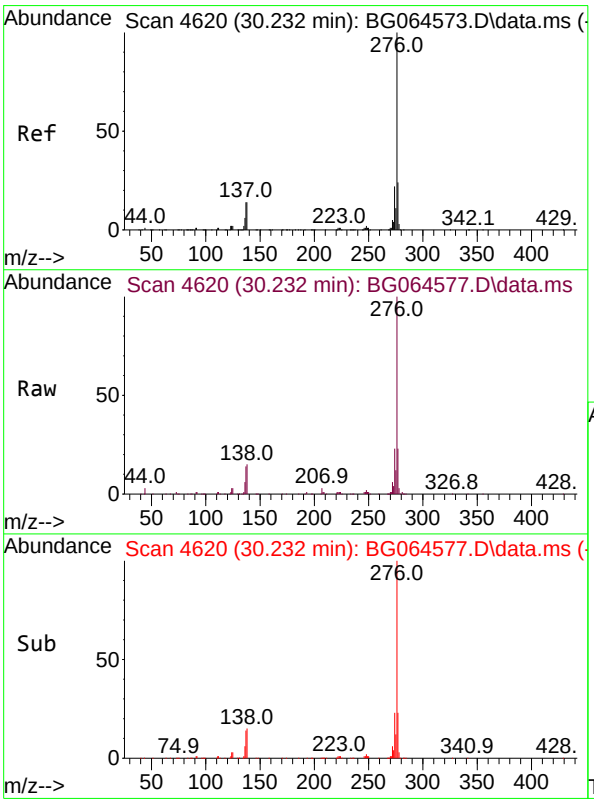
#91
Dibenzo(a,h)anthracene
Concen: 36.776 ng
RT: 29.121 min Scan# 44
Delta R.T. 0.011 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:278 Resp: 674510

Ion	Ratio	Lower	Upper
278	100		
139	9.4	8.0	12.0
279	21.9	19.8	29.6

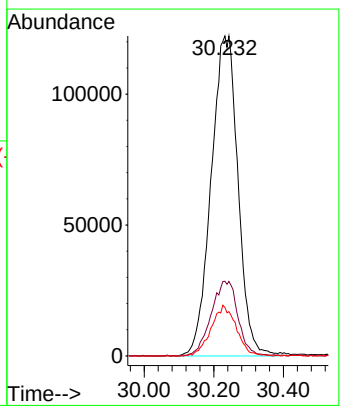




#92
Benzo(g,h,i)perylene
Concen: 37.302 ng
RT: 30.232 min Scan# 4620
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:276 Resp: 653564

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	15.1	11.3	16.9



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	93	0.00
2		1,4-Dioxane	40.000	33.820	15.4	79	0.00
3		Pyridine	40.000	33.313	16.7	73	0.00
4		n-Nitrosodimethylamine	40.000	36.025	9.9	79	0.00
5	S	2-Fluorophenol	80.000	70.535	11.8	75	0.00
6		Aniline	40.000	38.118	4.7	82	0.00
7	S	Phenol-d6	80.000	74.109	7.4	79	0.00
8		2-Chlorophenol	40.000	36.981	7.5	78	0.00
9		Benzaldehyde	40.000	50.923	-27.3#	112	0.00
10	C	Phenol	40.000	36.410	9.0	78	0.00
11		bis(2-Chloroethyl)ether	40.000	34.973	12.6	78	0.00
12		1,3-Dichlorobenzene	40.000	36.085	9.8	79	0.00
13	C	1,4-Dichlorobenzene	40.000	37.634	5.9	83	0.00
14		1,2-Dichlorobenzene	40.000	36.924	7.7	81	0.00
15		Benzyl Alcohol	40.000	37.995	5.0	83	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.163	9.6	78	0.00
17		2-Methylphenol	40.000	38.466	3.8	84	0.00
18		Hexachloroethane	40.000	35.743	10.6	78	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.572	1.1	84	0.00
20		3+4-Methylphenols	40.000	37.882	5.3	81	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	95	0.00
22		Acetophenone	40.000	37.806	5.5	84	0.00
23	S	Nitrobenzene-d5	80.000	76.738	4.1	81	0.00
24		Nitrobenzene	40.000	39.305	1.7	83	0.00
25		Isophorone	40.000	37.733	5.7	83	0.00
26	C	2-Nitrophenol	40.000	35.498	11.3	84	0.00
27		2,4-Dimethylphenol	40.000	40.491	-1.2	86	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.953	7.6	82	0.00
29	C	2,4-Dichlorophenol	40.000	38.190	4.5	81	0.00
30		1,2,4-Trichlorobenzene	40.000	37.945	5.1	84	0.00
31		Naphthalene	40.000	35.709	10.7	80	0.00
32		Benzoic acid	40.000	29.620	25.9#	65	-0.01
33		4-Chloroaniline	40.000	41.287	-3.2	92	0.00
34	C	Hexachlorobutadiene	40.000	35.242	11.9	80	0.00
35		Caprolactam	40.000	36.326	9.2	79	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.049	4.9	82	0.00
37		2-Methylnaphthalene	40.000	33.388	16.5	75	0.00
38		1-Methylnaphthalene	40.000	35.513	11.2	80	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.146	7.1	84	0.00
41	P	Hexachlorocyclopentadiene	40.000	50.669	-26.7#	112	0.00
42	S	2,4,6-Tribromophenol	80.000	75.074	6.2	81	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.726	3.2	84	0.00
44		2,4,5-Trichlorophenol	40.000	37.228	6.9	81	0.00
45	S	2-Fluorobiphenyl	80.000	72.599	9.3	82	0.00
46		1,1'-Biphenyl	40.000	37.331	6.7	85	0.00
47		2-Chloronaphthalene	40.000	36.205	9.5	82	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	36.129	9.7	87	0.00
49		Acenaphthylene	40.000	41.457	-3.6	93	0.00
50		Dimethylphthalate	40.000	36.890	7.8	82	0.00
51		2,6-Dinitrotoluene	40.000	39.971	0.1	96	0.00
52	C	Acenaphthene	40.000	35.340	11.6	80	0.00
53		3-Nitroaniline	40.000	42.080	-5.2	89	0.00
54	P	2,4-Dinitrophenol	40.000	33.991	15.0	82	0.00
55		Dibenzofuran	40.000	36.096	9.8	82	0.00
56	P	4-Nitrophenol	40.000	33.818	15.5	75	0.00
57		2,4-Dinitrotoluene	40.000	35.957	10.1	85	0.00
58		Fluorene	40.000	36.238	9.4	82	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.525	-1.3	88	0.00
60		Diethylphthalate	40.000	35.961	10.1	81	0.00
61		4-Chlorophenyl-phenylether	40.000	35.902	10.2	81	0.00
62		4-Nitroaniline	40.000	37.867	5.3	81	0.00
63		Azobenzene	40.000	36.325	9.2	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	40.000	34.885	12.8	82	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.325	4.2	82	0.00
67		4-Bromophenyl-phenylether	40.000	38.044	4.9	81	0.00
68		Hexachlorobenzene	40.000	36.971	7.6	79	0.00
69		Atrazine	40.000	38.558	3.6	85	0.00
70	C	Pentachlorophenol	40.000	34.829	12.9	76	0.00
71		Phenanthrene	40.000	35.925	10.2	78	0.00
72		Anthracene	40.000	36.210	9.5	79	0.00
73		Carbazole	40.000	35.061	12.3	77	0.00
74		Di-n-butylphthalate	40.000	34.688	13.3	73	0.00
75	C	Fluoranthene	40.000	34.070	14.8	75	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	88	0.00
77		Benzidine	40.000	54.203	-35.5#	109	0.00
78		Pyrene	40.000	36.130	9.7	74	0.00
79	S	Terphenyl-d14	80.000	74.019	7.5	76	0.00
80		Butylbenzylphthalate	40.000	38.702	3.2	75	0.00
81		Benzo(a)anthracene	40.000	36.287	9.3	75	0.00
82		3,3'-Dichlorobenzidine	40.000	40.813	-2.0	83	0.00
83		Chrysene	40.000	35.533	11.2	74	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.470	6.3	73	0.00
85	c	Di-n-octyl phthalate	40.000	36.087	9.8	73	0.00
86	I	Perylene-d12	20.000	20.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.366	9.1	75	0.00
88		Benzo(b)fluoranthene	40.000	36.235	9.4	74	0.00
89		Benzo(k)fluoranthene	40.000	37.252	6.9	78	0.00
90	C	Benzo(a)pyrene	40.000	37.700	5.7	77	0.00
91		Dibenzo(a,h)anthracene	40.000	36.776	8.1	76	0.01
92		Benzo(g,h,i)perylene	40.000	37.302	6.7	77	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2		1,4-Dioxane	0.528	0.446	15.5	79	0.00
3		Pyridine	1.584	1.319	16.7	73	0.00
4		n-Nitrosodimethylamine	0.850	0.765	10.0	79	0.00
5	S	2-Fluorophenol	1.192	1.051	11.8	75	0.00
6		Aniline	2.225	2.120	4.7	82	0.00
7	S	Phenol-d6	1.635	1.515	7.3	79	0.00
8		2-Chlorophenol	1.247	1.153	7.5	78	0.00
9		Benzaldehyde	0.893	1.136	-27.2#	112	0.00
10	C	Phenol	1.808	1.646	9.0	78	0.00
11		bis(2-Chloroethyl)ether	1.329	1.162	12.6	78	0.00
12		1,3-Dichlorobenzene	1.435	1.295	9.8	79	0.00
13	C	1,4-Dichlorobenzene	1.460	1.373	6.0	83	0.00
14		1,2-Dichlorobenzene	1.408	1.300	7.7	81	0.00
15		Benzyl Alcohol	1.348	1.281	5.0	83	0.00
16		2,2'-oxybis(1-Chloropropane	3.487	3.153	9.6	78	0.00
17		2-Methylphenol	1.201	1.155	3.8	84	0.00
18		Hexachloroethane	0.512	0.458	10.5	78	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.118	1.1	84	0.00
20		3+4-Methylphenols	1.688	1.599	5.3	81	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22		Acetophenone	0.547	0.517	5.5	84	0.00
23	S	Nitrobenzene-d5	0.333	0.319	4.2	81	0.00
24		Nitrobenzene	0.362	0.356	1.7	83	0.00
25		Isophorone	0.799	0.754	5.6	83	0.00
26	C	2-Nitrophenol	0.121	0.121	0.0	84	0.00
27		2,4-Dimethylphenol	0.297	0.301	-1.3	86	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.420	7.7	82	0.00
29	C	2,4-Dichlorophenol	0.320	0.305	4.7	81	0.00
30		1,2,4-Trichlorobenzene	0.363	0.345	5.0	84	0.00
31		Naphthalene	1.109	0.990	10.7	80	0.00
32		Benzoic acid	0.207	0.153	26.1#	65	-0.01
33		4-Chloroaniline	0.431	0.445	-3.2	92	0.00
34	C	Hexachlorobutadiene	0.284	0.250	12.0	80	0.00
35		Caprolactam	0.123	0.111	9.8	79	0.00
36	C	4-Chloro-3-methylphenol	0.384	0.366	4.7	82	0.00
37		2-Methylnaphthalene	0.814	0.680	16.5	75	0.00
38		1-Methylnaphthalene	0.806	0.716	11.2	80	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.623	7.2	84	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.383	-26.8#	112	0.00
42	S	2,4,6-Tribromophenol	0.289	0.271	6.2	81	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.372	3.1	84	0.00
44		2,4,5-Trichlorophenol	0.443	0.412	7.0	81	0.00
45	S	2-Fluorobiphenyl	1.319	1.197	9.2	82	0.00
46		1,1'-Biphenyl	1.422	1.327	6.7	85	0.00
47		2-Chloronaphthalene	1.073	0.971	9.5	82	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.311	0.318	-2.3	87	0.00
49		Acenaphthylene	1.693	1.755	-3.7	93	0.00
50		Dimethylphthalate	1.530	1.411	7.8	82	0.00
51		2,6-Dinitrotoluene	0.218	0.249	-14.2	96	0.00
52	C	Acenaphthene	1.157	1.022	11.7	80	0.00
53		3-Nitroaniline	0.263	0.277	-5.3	89	0.00
54	P	2,4-Dinitrophenol	0.132	0.118	10.6	82	0.00
55		Dibenzofuran	1.870	1.687	9.8	82	0.00
56	P	4-Nitrophenol	0.244	0.206	15.6	75	0.00
57		2,4-Dinitrotoluene	0.340	0.343	-0.9	85	0.00
58		Fluorene	1.460	1.323	9.4	82	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.429	-1.2	88	0.00
60		Diethylphthalate	1.563	1.405	10.1	81	0.00
61		4-Chlorophenyl-phenylether	0.820	0.736	10.2	81	0.00
62		4-Nitroaniline	0.293	0.277	5.5	81	0.00
63		Azobenzene	1.434	1.302	9.2	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.073	7.6	82	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.518	4.1	82	0.00
67		4-Bromophenyl-phenylether	0.237	0.225	5.1	81	0.00
68		Hexachlorobenzene	0.270	0.250	7.4	79	0.00
69		Atrazine	0.232	0.224	3.4	85	0.00
70	C	Pentachlorophenol	0.169	0.147	13.0	76	0.00
71		Phenanthrene	1.094	0.982	10.2	78	0.00
72		Anthracene	1.113	1.007	9.5	79	0.00
73		Carbazole	0.981	0.860	12.3	77	0.00
74		Di-n-butylphthalate	1.134	0.984	13.2	73	0.00
75	C	Fluoranthene	1.370	1.167	14.8	75	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	88	0.00
77		Benzidine	0.448	0.607	-35.5#	109	0.00
78		Pyrene	1.307	1.180	9.7	74	0.00
79	S	Terphenyl-d14	1.060	0.981	7.5	76	0.00
80		Butylbenzylphthalate	0.395	0.382	3.3	75	0.00
81		Benzo(a)anthracene	1.326	1.203	9.3	75	0.00
82		3,3'-Dichlorobenzidine	0.443	0.452	-2.0	83	0.00
83		Chrysene	1.262	1.121	11.2	74	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.553	6.3	73	0.00
85	c	Di-n-octyl phthalate	0.995	0.898	9.7	73	0.00
86	I	Perylene-d12	1.000	1.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.338	9.0	75	0.00
88		Benzo(b)fluoranthene	1.226	1.111	9.4	74	0.00
89		Benzo(k)fluoranthene	1.227	1.143	6.8	78	0.00
90	C	Benzo(a)pyrene	1.127	1.062	5.8	77	0.00
91		Dibenzo(a,h)anthracene	1.195	1.099	8.0	76	0.01
92		Benzo(g,h,i)perylene	1.142	1.065	6.7	77	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3534

Instrument ID: BNA_P Calibration Date(s): 10/29/2025 10/29/2025

Calibration Time(s): 09:26 14:13

LAB FILE ID: RRF2.5 = BP026028.D RRF005 = BP026029.D RRF010 = BP026030.D
RRF020 = BP026031.D RRF040 = BP026032.D RRF050 = BP026033.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.055	1.255	1.234	1.249	1.123	1.212	7.4
Benzaldehyde			0.855	0.938	0.809	0.670	0.802	11.5
Phenol-d6		1.366	1.580	1.574	1.606	1.425	1.543	6.8
Phenol		1.542	1.771	1.750	1.773	1.568	1.713	6.4
bis(2-Chloroethyl)ether		1.271	1.434	1.372	1.373	1.228	1.352	5.6
2-Chlorophenol		1.116	1.354	1.356	1.403	1.262	1.342	9.0
2-Methylphenol		0.958	1.129	1.145	1.175	1.057	1.121	7.8
2,2-oxybis(1-Chloropropane)		1.978	2.210	2.102	2.099	1.846	2.043	5.8
Acetophenone		0.481	0.548	0.519	0.518	0.455	0.506	6.1
3+4-Methylphenols			1.521	1.557	1.613	1.430	1.560	5.0
n-Nitroso-di-n-propylamine	0.795	0.894	1.013	1.016	1.027	0.904	0.958	8.8
Nitrobenzene-d5		0.256	0.317	0.327	0.338	0.306	0.321	10.3
Hexachloroethane		0.481	0.562	0.535	0.552	0.490	0.533	6.5
Nitrobenzene		0.282	0.345	0.346	0.357	0.317	0.339	8.8
Isophorone		0.606	0.721	0.705	0.720	0.632	0.687	7.0
2-Nitrophenol		0.069	0.092	0.107	0.128	0.124	0.104	23.2
2,4-Dimethylphenol		0.243	0.306	0.281	0.302	0.269	0.289	8.9
bis(2-Chloroethoxy)methane		0.406	0.466	0.436	0.447	0.396	0.433	5.8
2,4-Dichlorophenol		0.241	0.302	0.308	0.327	0.292	0.305	10.8
Naphthalene		1.039	1.181	1.121	1.115	0.978	1.091	6.3
4-Chloroaniline		0.374	0.440	0.427	0.437	0.384	0.419	6.8
Hexachlorobutadiene		0.198	0.231	0.209	0.216	0.190	0.211	6.7
Caprolactam			0.099	0.103	0.113	0.099	0.107	7.0
4-Chloro-3-methylphenol		0.257	0.314	0.325	0.345	0.303	0.320	10.3
2-Methylnaphthalene		0.717	0.823	0.771	0.795	0.694	0.763	6.0
Hexachlorocyclopentadiene			0.200	0.198	0.237	0.218	0.227	11.5
2,4,6-Trichlorophenol		0.256	0.342	0.372	0.402	0.360	0.367	15.7
2-Fluorobiphenyl		1.350	1.549	1.454	1.421	1.231	1.392	7.5
2,4,5-Trichlorophenol		0.309	0.414	0.425	0.456	0.405	0.419	12.9
1,1-Biphenyl		1.454	1.673	1.577	1.560	1.378	1.531	6.4
2-Chloronaphthalene		1.130	1.304	1.248	1.229	1.090	1.205	6.2
2-Nitroaniline		0.166	0.226	0.269	0.304	0.277	0.272	21.9
Dimethylphthalate		1.282	1.574	1.491	1.522	1.323	1.455	7.8
Acenaphthylene		1.547	1.845	1.832	1.832	1.618	1.756	7.2

All other compounds must meet a minimum RRF of 0.010.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3534

Instrument ID: BNA_P Calibration Date(s): 10/29/2025 10/29/2025

Calibration Time(s): 09:26 14:13

LAB FILE ID: RRF2.5 = BP026028.D RRF005 = BP026029.D RRF010 = BP026030.D
RRF020 = BP026031.D RRF040 = BP026032.D RRF050 = BP026033.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.142	0.196	0.234	0.264	0.245	0.237	22.6
3-Nitroaniline		0.177	0.254	0.296	0.324	0.295	0.291	20.7
Acenaphthene		1.101	1.285	1.247	1.249	1.089	1.206	6.8
2,4-Dinitrophenol			0.069	0.082	0.100	0.096	0.100	22.4
4-Nitrophenol			0.277	0.309	0.285	0.258	0.290	7.0
Dibenzofuran		1.725	1.997	1.886	1.869	1.614	1.822	6.9
2,4-Dinitrotoluene		0.195	0.288	0.340	0.393	0.360	0.347	24.0
Diethylphthalate		1.240	1.570	1.484	1.549	1.350	1.463	8.7
4-Chlorophenyl-phenylether		0.699	0.803	0.736	0.731	0.623	0.713	8.3
Fluorene		1.347	1.621	1.501	1.450	1.260	1.427	8.8
4-Nitroaniline		0.207	0.294	0.328	0.342	0.298	0.311	16.9
4,6-Dinitro-2-methylphenol			0.053	0.065	0.076	0.075	0.077	22.1
n-Nitrosodiphenylamine		0.574	0.678	0.641	0.647	0.567	0.625	6.8
2,4,6-Tribromophenol		0.155	0.211	0.218	0.236	0.209	0.216	14.2
4-Bromophenyl-phenylether		0.206	0.234	0.222	0.228	0.204	0.222	5.8
Hexachlorobenzene		0.239	0.273	0.256	0.258	0.226	0.253	6.5
Atrazine		0.177	0.213	0.221	0.219	0.193	0.211	9.6
Pentachlorophenol			0.126	0.143	0.161	0.148	0.154	12.4
Phenanthrene		1.133	1.288	1.209	1.189	1.031	1.164	7.1
Anthracene		1.064	1.262	1.195	1.177	1.044	1.154	7.1
Carbazole		0.985	1.172	1.164	1.129	0.969	1.092	7.7
Di-n-butylphthalate		0.937	1.219	1.241	1.333	1.196	1.222	11.6
Fluoranthene		1.259	1.469	1.426	1.411	1.224	1.358	7.1
Pyrene		1.201	1.488	1.395	1.427	1.217	1.353	8.2
Terphenyl-d14		0.953	1.125	1.013	1.014	0.860	0.984	8.8
Butylbenzylphthalate		0.235	0.337	0.407	0.496	0.468	0.432	26.4
3,3-Dichlorobenzidine			0.390	0.424	0.462	0.416	0.443	8.9
Benzo(a)anthracene		1.279	1.497	1.407	1.420	1.224	1.374	7.0
Chrysene		1.210	1.424	1.348	1.345	1.169	1.302	6.9
Bis(2-ethylhexyl)phthalate		0.453	0.613	0.690	0.829	0.768	0.718	20.3
Di-n-octyl phthalate			0.822	1.025	1.287	1.238	1.191	18.9
Benzo(b)fluoranthene		1.074	1.277	1.278	1.306	1.149	1.242	7.7
Benzo(k)fluoranthene		1.119	1.365	1.306	1.331	1.141	1.268	7.9
Benzo(a)pyrene		0.941	1.169	1.171	1.210	1.054	1.141	9.4
Indeno(1,2,3-cd)pyrene		1.190	1.486	1.539	1.564	1.371	1.476	10.1

All other compounds must meet a minimum RRF of 0.010.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3534

Instrument ID: BNA_P Calibration Date(s): 10/29/2025 10/29/2025

Calibration Time(s): 09:26 14:13

LAB FILE ID: RRF2.5 = BP026028.D RRF005 = BP026029.D RRF010 = BP026030.D
RRF020 = BP026031.D RRF040 = BP026032.D RRF050 = BP026033.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		0.978	1.219	1.249	1.274	1.117	1.202	9.7
Benzo(g,h,i)perylene		0.966	1.167	1.219	1.212	1.068	1.156	8.9
1,2,4,5-Tetrachlorobenzene		0.574	0.670	0.637	0.632	0.565	0.621	6.3
1,4-Dioxane		0.472	0.567	0.519	0.515	0.453	0.511	7.6
2,3,4,6-Tetrachlorophenol		0.223	0.303	0.332	0.364	0.328	0.330	16.7

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 30 11:51:34 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP026028.D 5 =BP026029.D 10 =BP026030.D 20 =BP026031.D 40 =BP026032.D 50 =BP026033.D 60 =BP026034.D 80 =BP0260
35.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane	0.472	0.567	0.519	0.515	0.453	0.541	0.510	0.511		7.57
3)		Pyridine	1.330	1.538	1.488	1.481	1.304	1.552	1.475	1.453		6.69
4)		n-Nitrosodimet...		0.601	0.591	0.584	0.522	0.611	0.584	0.582		5.39
5)	S	2-Fluorophenol	1.055	1.255	1.234	1.249	1.123	1.318	1.250	1.212		7.44
6)		Aniline	1.893	2.157	2.117	2.112	1.885	2.158	2.091	2.059		5.76
7)	S	Phenol-d6	1.366	1.580	1.574	1.606	1.425	1.644	1.604	1.543		6.77
8)		2-Chlorophenol	1.116	1.354	1.356	1.403	1.262	1.478	1.426	1.342		8.97
9)		Benzaldehyde		0.856	0.937	0.809	0.670	0.796	0.744	0.802		11.45
10)	C	Phenol	1.542	1.771	1.750	1.773	1.568	1.823	1.761	1.713		6.44
11)		bis(2-Chloroet...	1.271	1.434	1.372	1.373	1.228	1.419	1.363	1.352		5.57
12)		1,3-Dichlorobe...	1.466	1.660	1.572	1.573	1.385	1.610	1.524	1.541		6.00
13)	C	1,4-Dichlorobe...	1.491	1.681	1.585	1.578	1.399	1.633	1.542	1.558		5.97
14)		1,2-Dichlorobe...	1.412	1.595	1.517	1.515	1.338	1.550	1.481	1.487		5.83
15)		Benzyl Alcohol		1.070	1.099	1.140	1.020	1.179	1.165	1.112		5.47
16)		2,2'-oxybis(1-...	1.978	2.210	2.102	2.099	1.846	2.083	1.982	2.043		5.75
17)		2-Methylphenol	0.958	1.129	1.145	1.175	1.057	1.210	1.176	1.121		7.75
18)		Hexachloroethane	0.481	0.562	0.535	0.552	0.490	0.568	0.546	0.533		6.49
19)	P	n-Nitroso-di-n...	0.795	0.894	1.013	1.016	1.027	0.904	1.025	0.986	0.958	8.83
20)		3+4-Methylphenols		1.521	1.557	1.613	1.430	1.646	1.595	1.560		4.96
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone	0.481	0.548	0.519	0.518	0.455	0.525	0.494	0.506		6.14
23)	S	Nitrobenzene-d5	0.256	0.317	0.327	0.338	0.306	0.359	0.343	0.321		10.34
24)		Nitrobenzene	0.282	0.345	0.346	0.357	0.317	0.371	0.354	0.339		8.83
25)		Isophorone	0.606	0.721	0.705	0.720	0.632	0.730	0.693	0.687		7.03
26)	C	2-Nitrophenol	0.069	0.092	0.107	0.128	0.124			0.104		23.21
27)		2,4-Dimethylph...	0.243	0.306	0.281	0.302	0.269	0.315	0.305	0.289		8.90
28)		bis(2-Chloroet...	0.406	0.466	0.436	0.447	0.396	0.451	0.427	0.433		5.79
29)	C	2,4-Dichloroph...	0.241	0.302	0.308	0.327	0.292	0.340	0.324	0.305		10.75
30)		1,2,4-Trichlor...	0.306	0.361	0.337	0.339	0.301	0.347	0.328	0.331		6.52
31)		Naphthalene	1.039	1.181	1.121	1.115	0.978	1.137	1.063	1.091		6.28
32)		Benzoic acid		0.100	0.127	0.168	0.162	0.206	0.213	0.163		26.84
33)		4-Chloroaniline	0.374	0.440	0.427	0.437	0.384	0.445	0.427	0.419		6.80
34)	C	Hexachlorobuta...	0.198	0.231	0.209	0.216	0.190	0.222	0.207	0.211		6.70
35)		Caprolactam		0.099	0.103	0.113	0.099	0.116	0.112	0.107		6.98
36)	C	4-Chloro-3-met...	0.257	0.314	0.325	0.345	0.303	0.356	0.337	0.320		10.33
37)		2-Methylnaphth...	0.717	0.823	0.771	0.795	0.694	0.793	0.750	0.763		6.02
38)		1-Methylnaphth...	0.709	0.801	0.754	0.768	0.663	0.770	0.726	0.742		6.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M

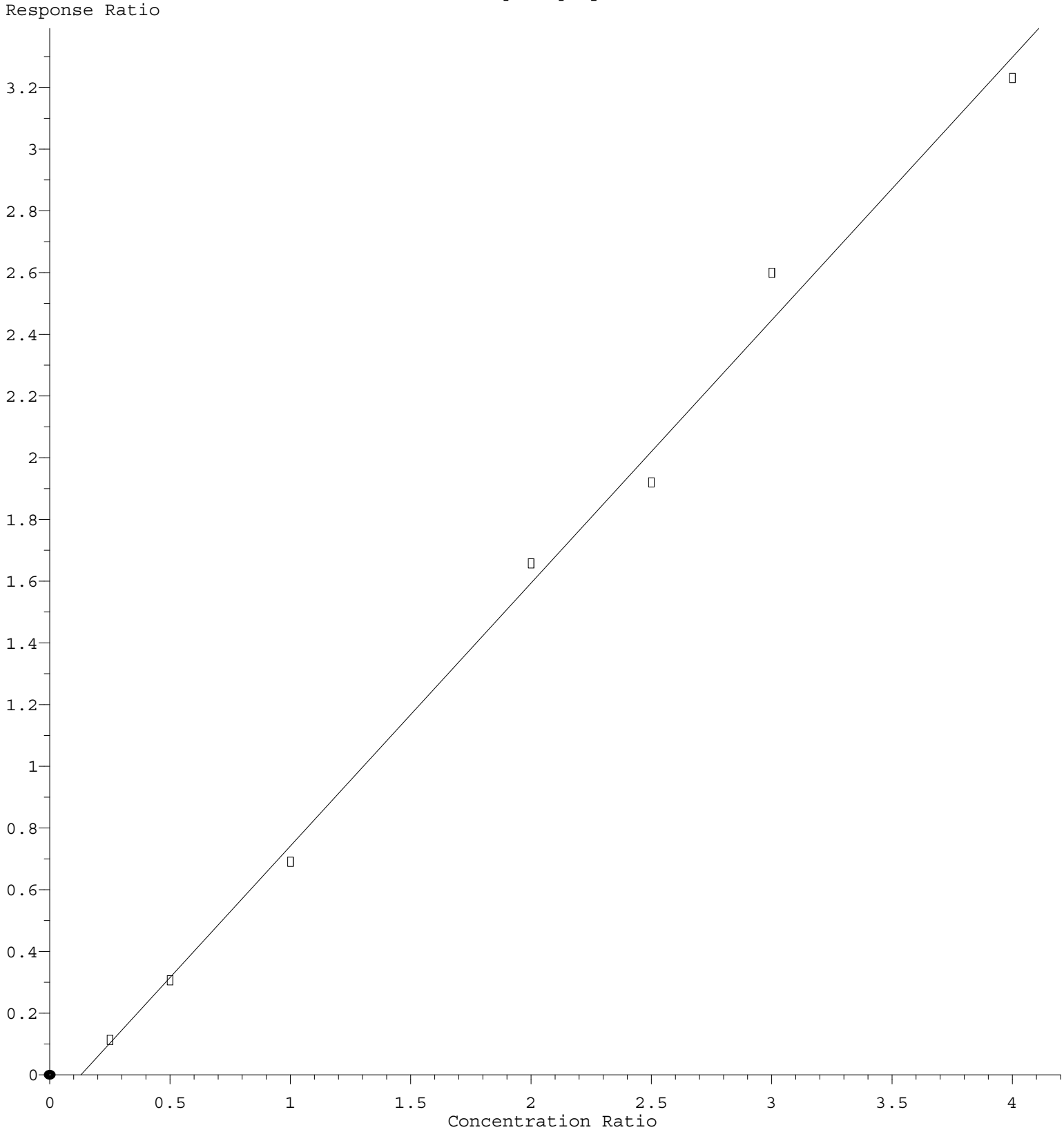
39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.574	0.670	0.637	0.632	0.565	0.654	0.619	0.621	6.33
41)	P	Hexachlorocycl...		0.200	0.198	0.237	0.218	0.260	0.251	0.227	11.46
42)	S	2,4,6-Tribromo...	0.155	0.211	0.218	0.236	0.209	0.250	0.234	0.216	14.19
43)	C	2,4,6-Trichlor...	0.256	0.342	0.372	0.402	0.360	0.427	0.413	0.367	15.70
44)		2,4,5-Trichlor...	0.309	0.414	0.425	0.456	0.405	0.469	0.456	0.419	12.90
45)	S	2-Fluorobiphenyl	1.350	1.549	1.454	1.421	1.231	1.432	1.307	1.392	7.53
46)		1,1'-Biphenyl	1.454	1.673	1.577	1.560	1.378	1.585	1.493	1.531	6.36
47)		2-Chloronaphth...	1.130	1.304	1.248	1.229	1.090	1.253	1.180	1.205	6.23
48)		2-Nitroaniline	0.166	0.226	0.269	0.304	0.277	0.332	0.329	0.272	21.95
49)		Acenaphthylene	1.547	1.845	1.832	1.832	1.618	1.876	1.742	1.756	7.23
50)		Dimethylphthalate	1.282	1.574	1.491	1.522	1.323	1.554	1.438	1.455	7.81
51)		2,6-Dinitrotol...	0.142	0.196	0.234	0.264	0.245	0.294	0.287	0.237	22.61
52)	C	Acenaphthene	1.101	1.285	1.247	1.249	1.089	1.278	1.192	1.206	6.77
53)		3-Nitroaniline	0.177	0.254	0.296	0.324	0.295	0.351	0.342	0.291	20.65
54)	P	2,4-Dinitrophenol		0.069	0.082	0.100	0.096	0.123	0.126	0.100	22.44
55)		Dibenzofuran	1.725	1.997	1.886	1.869	1.614	1.884	1.776	1.822	6.94
56)	P	4-Nitrophenol		0.277	0.309	0.285	0.258	0.310	0.301	0.290	7.04
57)		2,4-Dinitrotol...	0.195	0.288	0.340	0.393	0.360	0.433	0.418	0.347	23.95
58)		Fluorene	1.347	1.621	1.501	1.450	1.260	1.492	1.319	1.427	8.77
59)		2,3,4,6-Tetrac...	0.223	0.303	0.332	0.364	0.328	0.386	0.370	0.330	16.67
60)		Diethylphthalate	1.240	1.570	1.484	1.549	1.350	1.591	1.454	1.463	8.74
61)		4-Chlorophenyl...	0.699	0.803	0.736	0.731	0.623	0.739	0.658	0.713	8.29
62)		4-Nitroaniline	0.207	0.294	0.328	0.342	0.298	0.368	0.339	0.311	16.92
63)		Azobenzene	1.206	1.475	1.365	1.379	1.188	1.387	1.279	1.325	7.90
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.053	0.065	0.076	0.075	0.096	0.096	0.077	22.06
66)	c	n-Nitrosodiphe...	0.574	0.678	0.641	0.647	0.567	0.659	0.611	0.625	6.80
67)		4-Bromophenyl-...	0.206	0.234	0.222	0.228	0.204	0.237	0.222	0.222	5.77
68)		Hexachlorobenzene	0.239	0.273	0.256	0.258	0.226	0.268	0.247	0.253	6.53
69)		Atrazine	0.177	0.213	0.221	0.219	0.193	0.239	0.216	0.211	9.57
70)	C	Pentachlorophenol		0.126	0.143	0.161	0.148	0.178	0.170	0.154	12.39
71)		Phenanthrene	1.133	1.288	1.209	1.189	1.031	1.195	1.105	1.164	7.12
72)		Anthracene	1.064	1.262	1.195	1.177	1.044	1.220	1.115	1.154	7.09
73)		Carbazole	0.985	1.172	1.164	1.129	0.969	1.148	1.078	1.092	7.74
74)		Di-n-butylphth...	0.937	1.219	1.241	1.333	1.196	1.378	1.252	1.222	11.57
75)	C	Fluoranthene	1.259	1.469	1.426	1.411	1.224	1.422	1.295	1.358	7.09
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.411	0.508	0.517	0.451	0.598	0.560	0.508	13.50
78)		Pyrene	1.201	1.488	1.395	1.427	1.217	1.431	1.310	1.353	8.25
79)	S	Terphenyl-d14	0.953	1.125	1.013	1.014	0.860	1.019	0.908	0.984	8.77
80)		Butylbenzylpht...	0.235	0.337	0.407	0.496	0.468	0.559	0.520	0.432	26.44
81)		Benzo(a)anthra...	1.279	1.497	1.407	1.420	1.224	1.443	1.350	1.374	6.97
82)		3,3'-Dichlorob...		0.390	0.424	0.462	0.416	0.497	0.467	0.443	8.87
83)		Chrysene	1.210	1.424	1.348	1.345	1.169	1.349	1.268	1.302	6.92
84)		Bis(2-ethylhex...	0.453	0.613	0.690	0.829	0.768	0.866	0.808	0.718	20.27
85)	c	Di-n-octyl pht...		0.822	1.025	1.287	1.238	1.407	1.364	1.191	18.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M

86) I	Perylene-d12	----------ISTD----------								
87)	Indeno(1,2,3-c...	1.190	1.491	1.538	1.563	1.369	1.629	1.555	1.477	10.15
88)	Benzo(b)fluora...	1.074	1.277	1.278	1.306	1.149	1.345	1.262	1.242	7.67
89)	Benzo(k)fluora...	1.119	1.365	1.306	1.331	1.141	1.347	1.267	1.268	7.86
90) C	Benzo(a)pyrene	0.941	1.169	1.171	1.210	1.054	1.253	1.186	1.141	9.38
91)	Dibenzo(a,h)an...	0.978	1.219	1.249	1.274	1.117	1.320	1.255	1.202	9.72
92)	Benzo(g,h,i)pe...	0.966	1.167	1.219	1.212	1.068	1.259	1.204	1.156	8.92

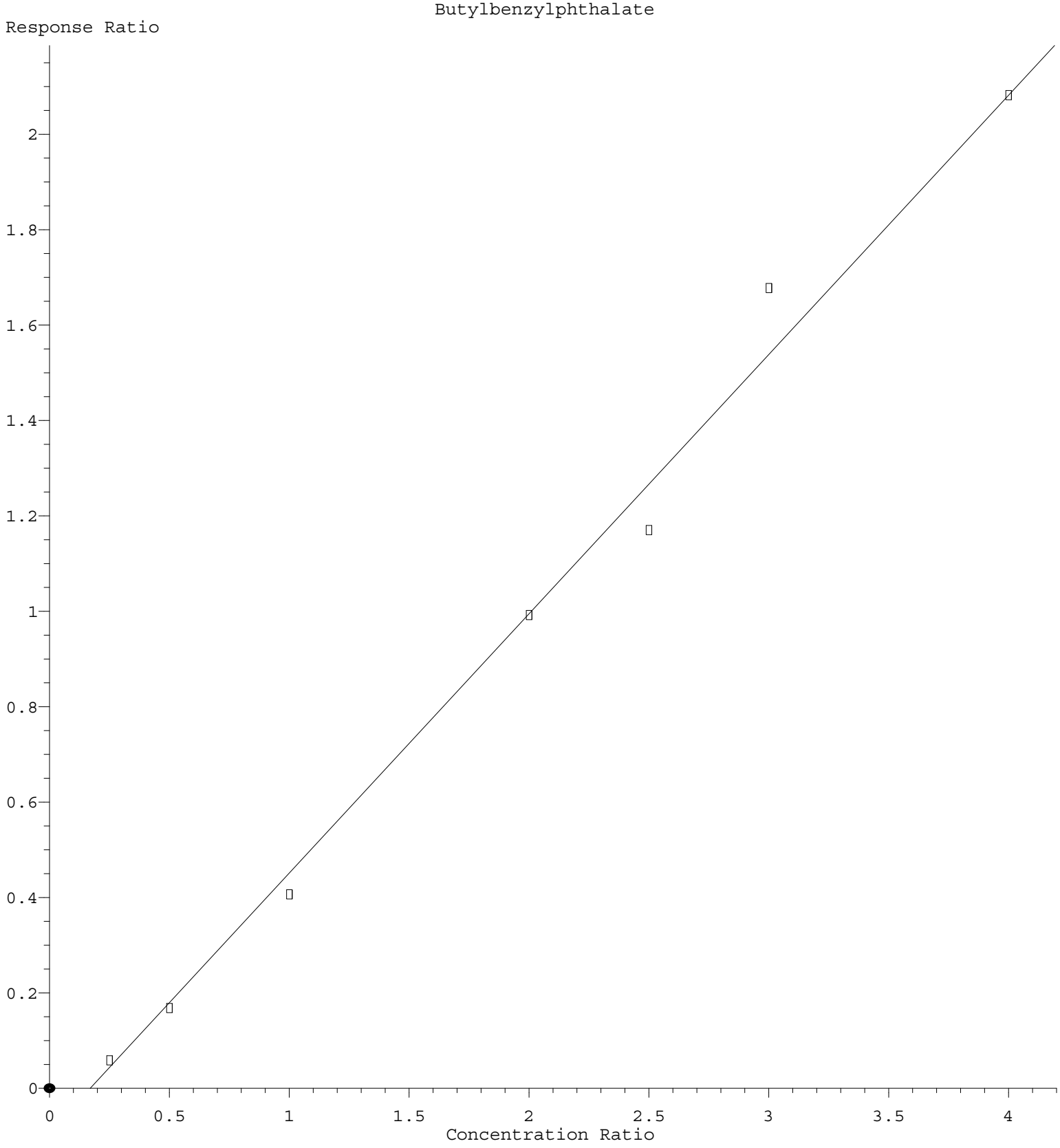
(#) = Out of Range

Bis(2-ethylhexyl)phthalate



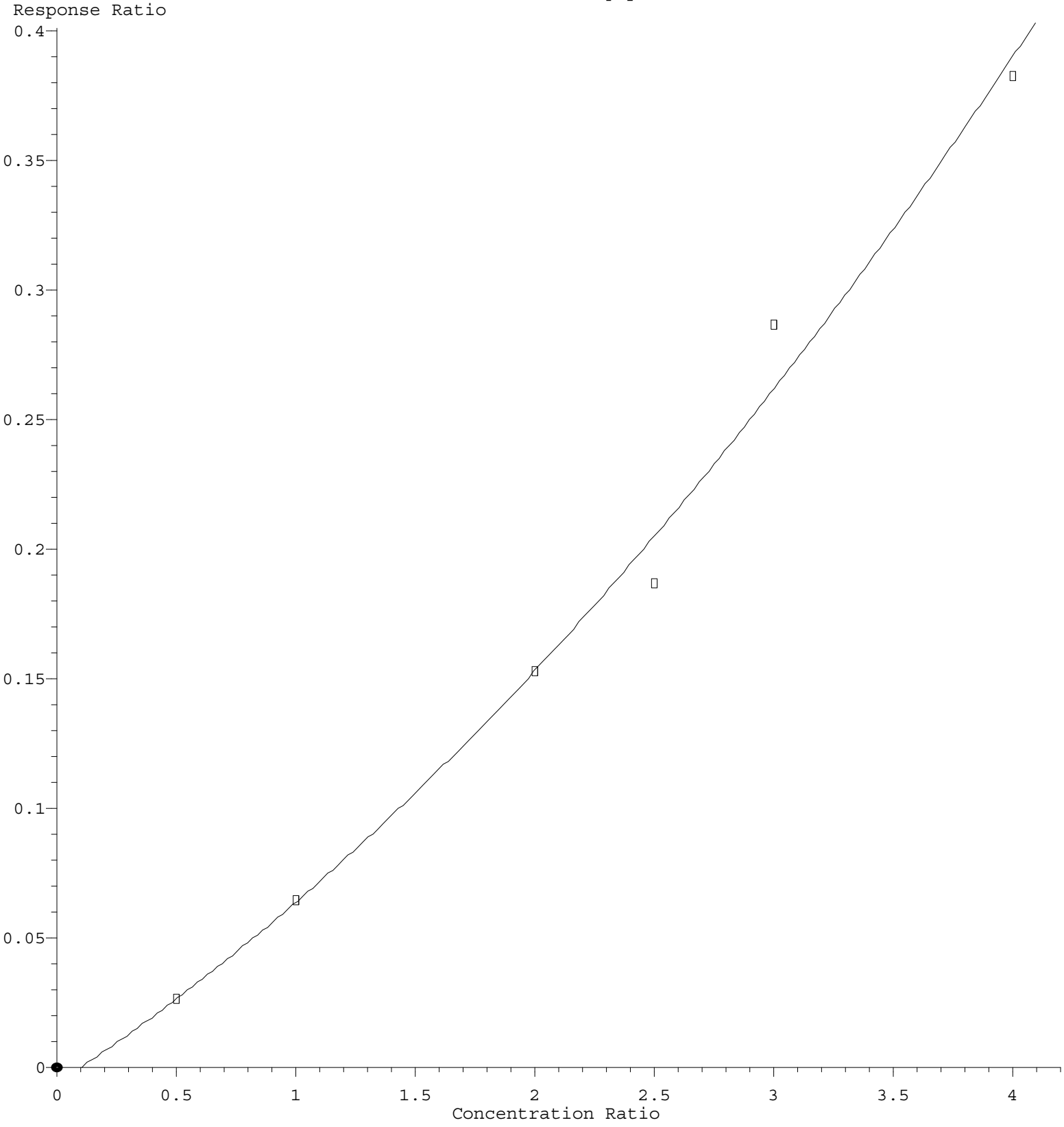
Response = 8.521e-001 * Amt - 1.107e-001
Coef of Det (r^2) = 0.996648 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

Butylbenzylphthalate



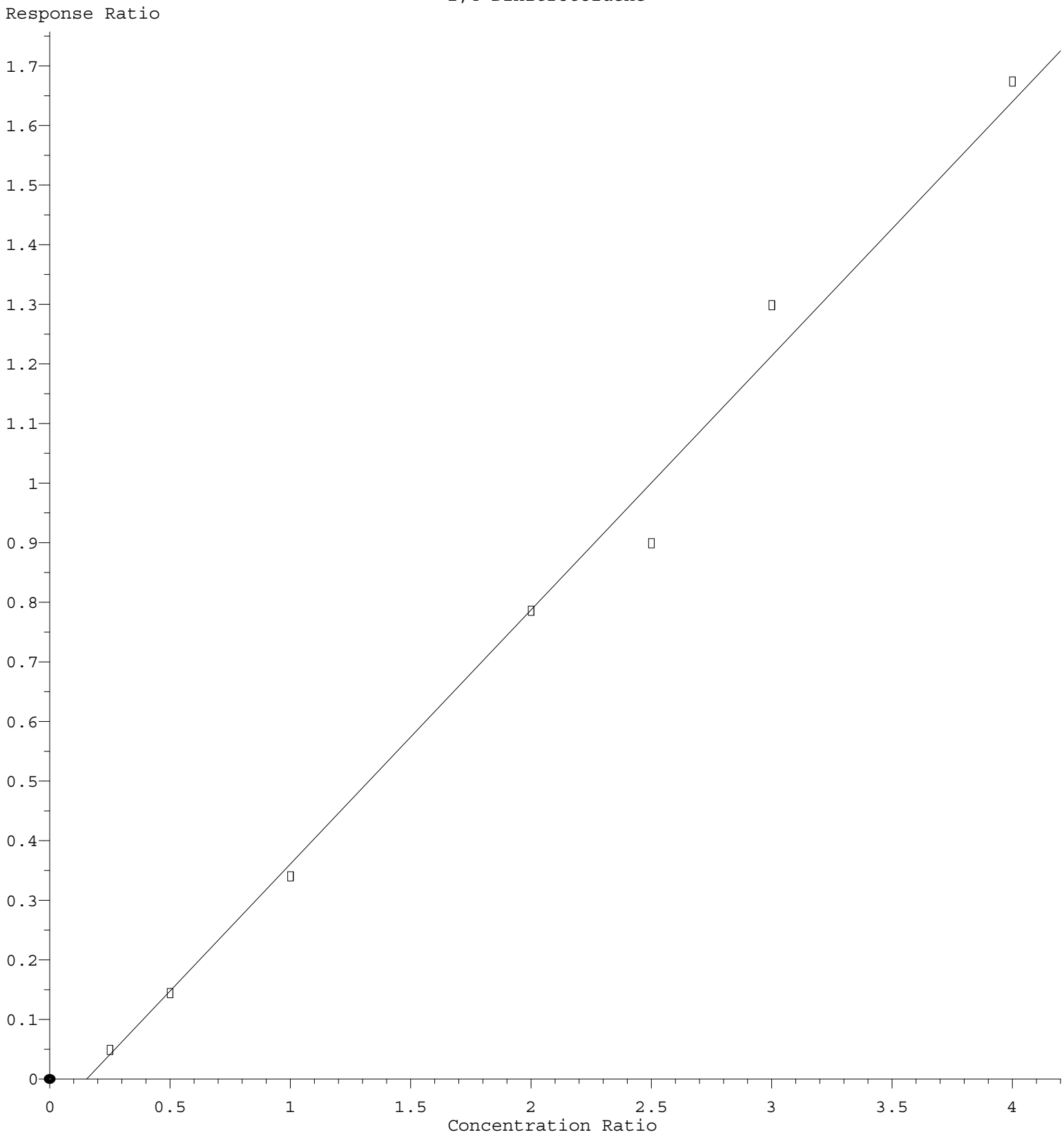
Response = 5.435e-001 * Amt - 9.231e-002
Coef of Det (r^2) = 0.993997 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

4,6-Dinitro-2-methylphenol



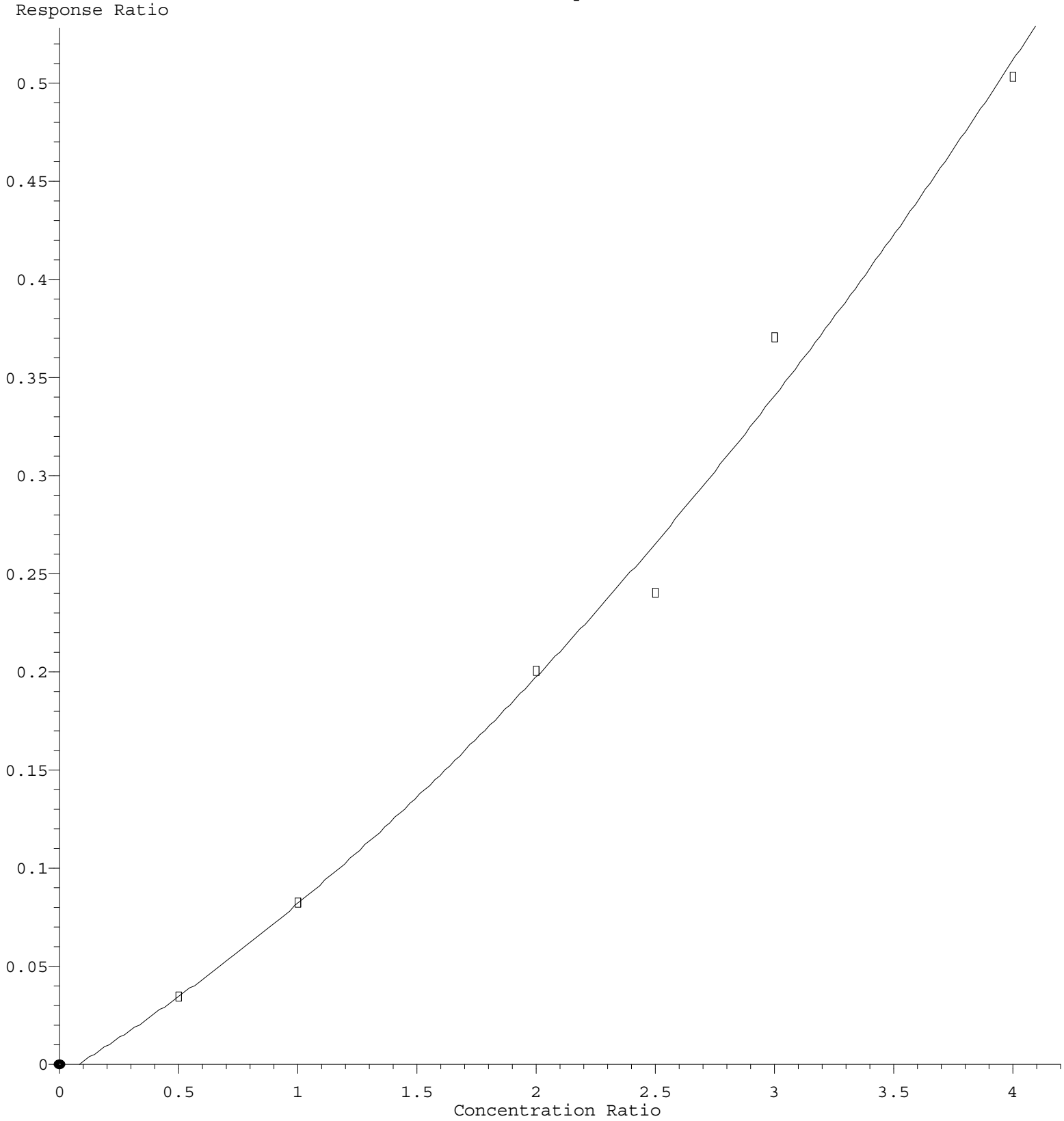
R = 9.755e-003 A*A + 5.999e-002 A - 6.001e-003
Coef of Det (r^2) = 0.992676 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

2,4-Dinitrotoluene

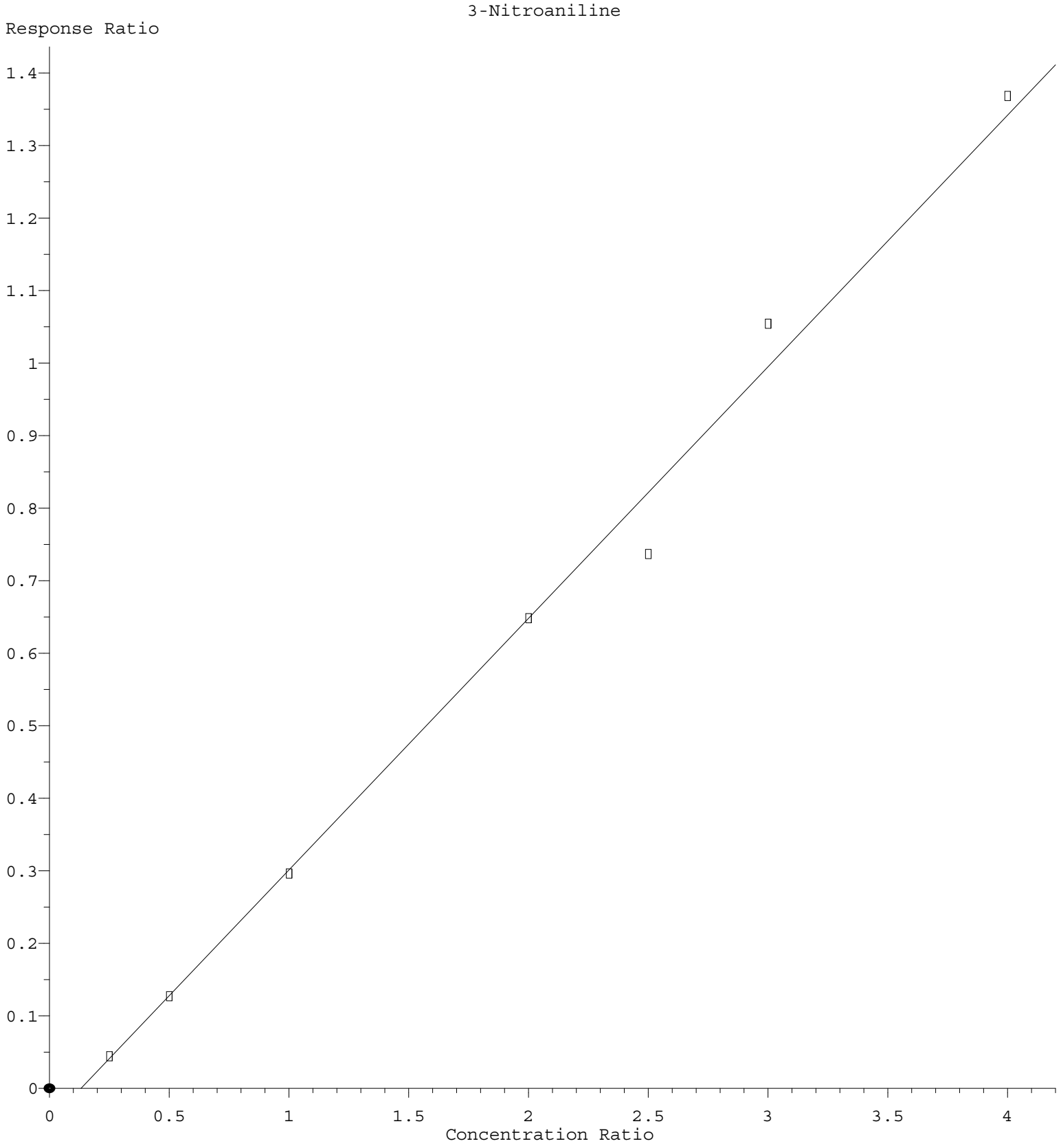


Response = 4.265e-001 * Amt - 6.582e-002
Coef of Det (r^2) = 0.994519 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

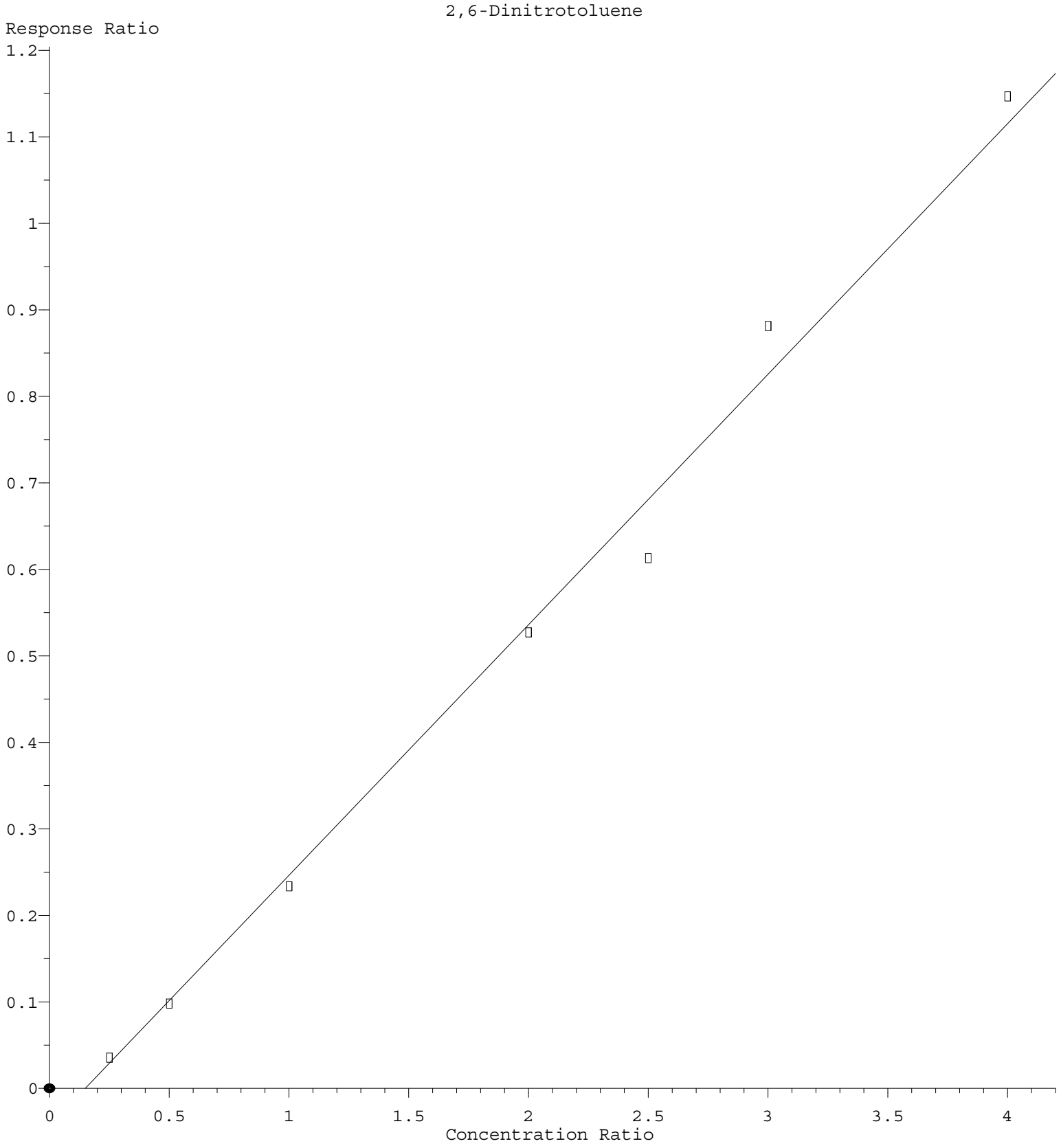
2,4-Dinitrophenol



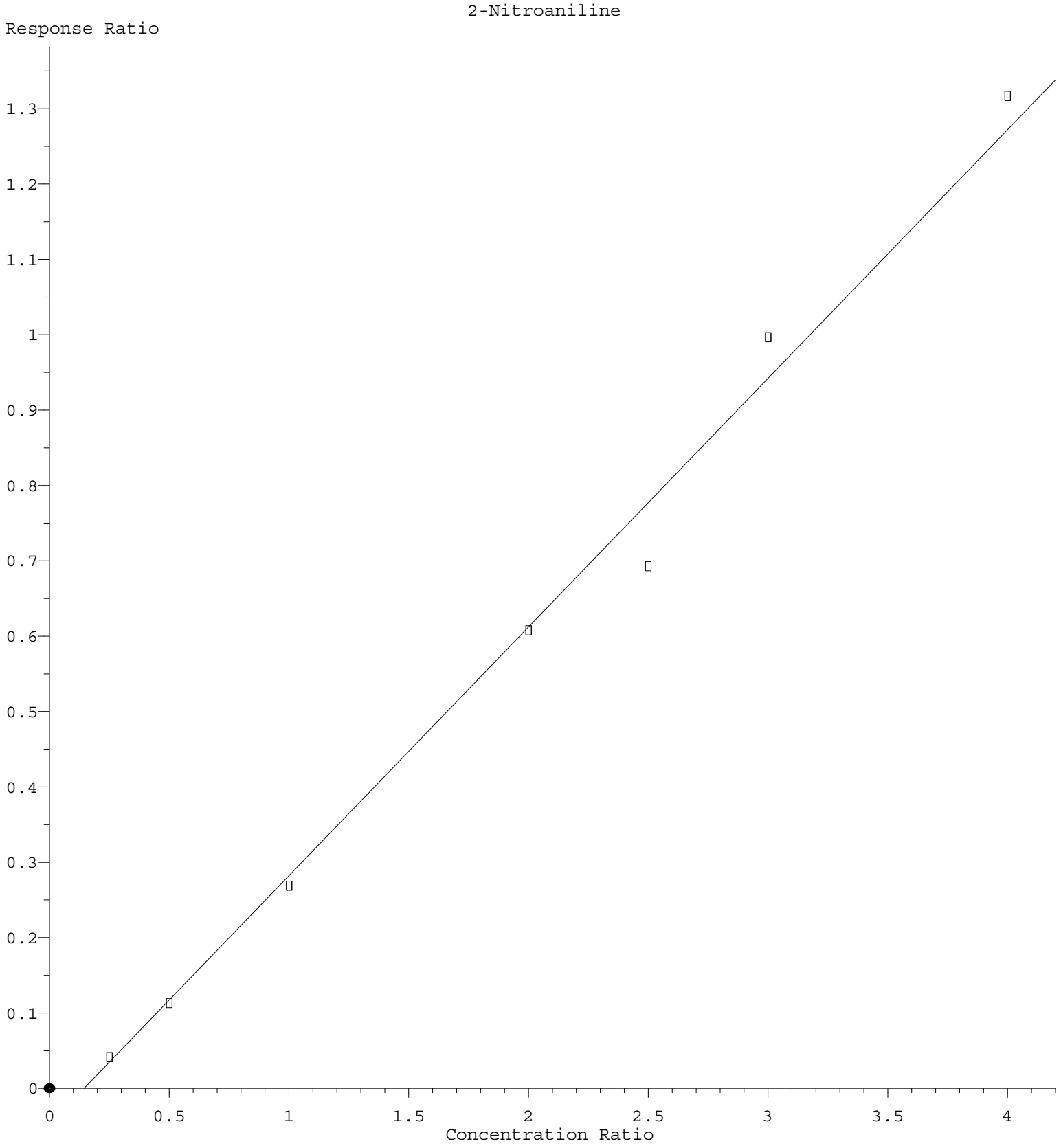
R = 1.384e-002 A*A + 7.400e-002 A - 5.971e-003
Coef of Det (r^2) = 0.992971 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025



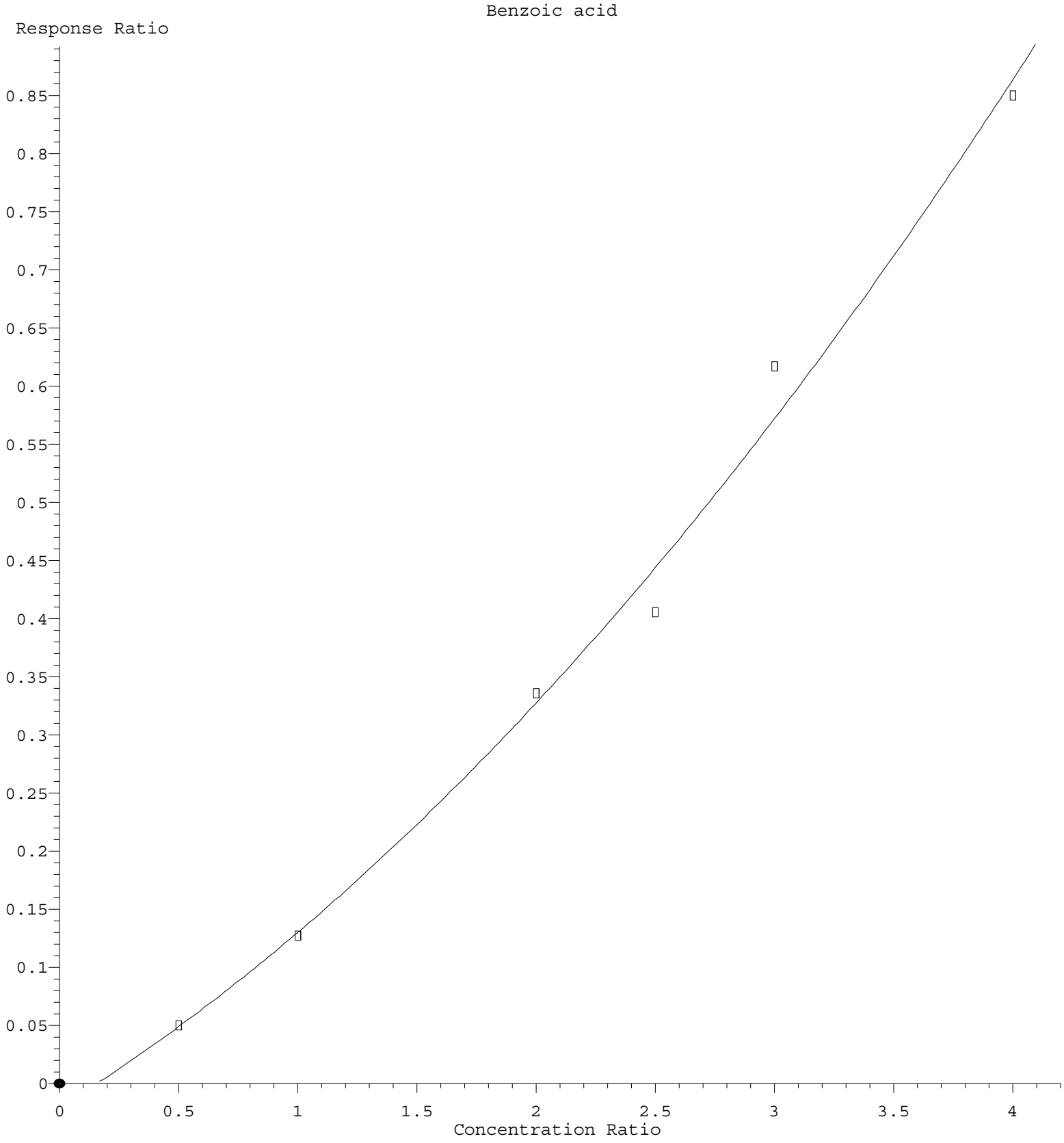
Response = 3.468e-001 * Amt - 4.573e-002
Coef of Det (r^2) = 0.995252 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025



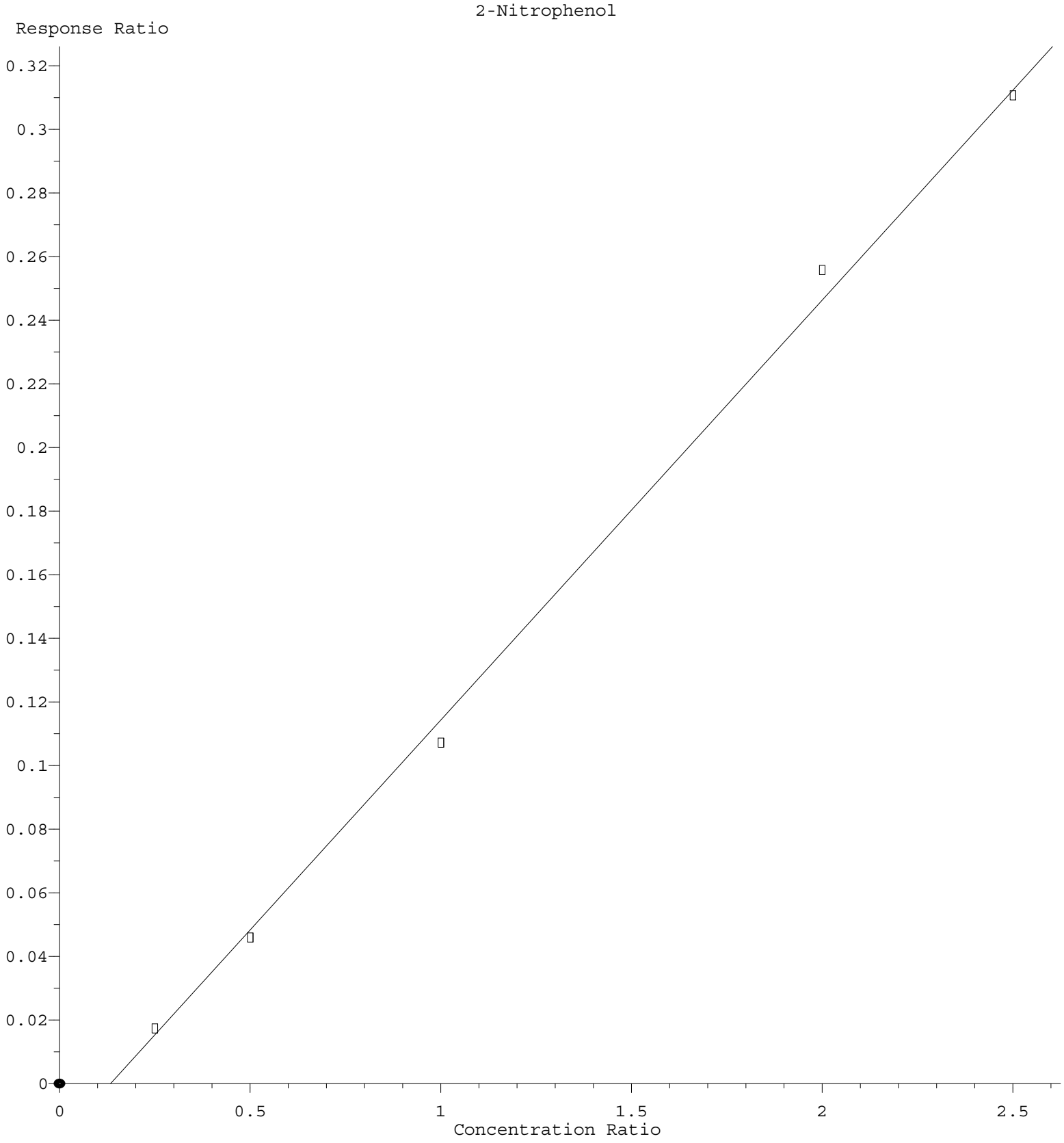
Response = 2.897e-001 * Amt - 4.332e-002
Coef of Det (r^2) = 0.994441 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025



Response = 3.301e-001 * Amt - 4.802e-002
Coef of Det (r^2) = 0.994224 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025



R = 2.355e-002 A*A + 1.268e-001 A - 2.032e-002
Coef of Det (r^2) = 0.994313 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025



Response = 1.320e-001 * Amt - 1.768e-002
Coef of Det (r^2) = 0.997680 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026028.D
Acq On : 29 Oct 2025 09:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 29 18:07:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	314539	20.000	ng	-0.01
21) Naphthalene-d8	10.454	136	1282158	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	817769	20.000	ng	0.00
64) Phenanthrene-d10	17.118	188	1645754	20.000	ng	0.00
76) Chrysene-d12	21.559	240	1828965	20.000	ng	0.00
86) Perylene-d12	24.871	264	1886321	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.472	70	31253	2.075	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

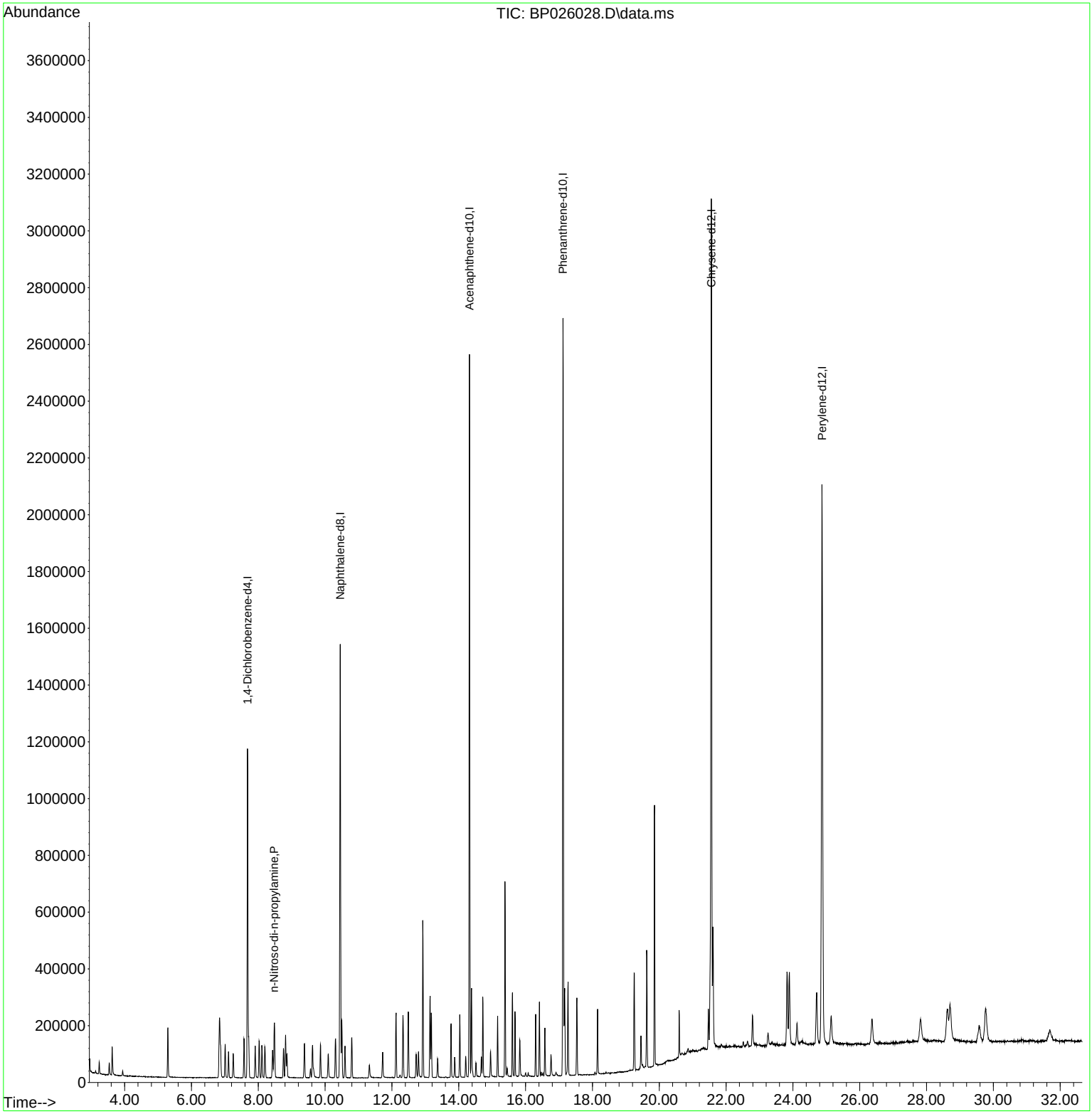
Quantitation Report (QT Reviewed)

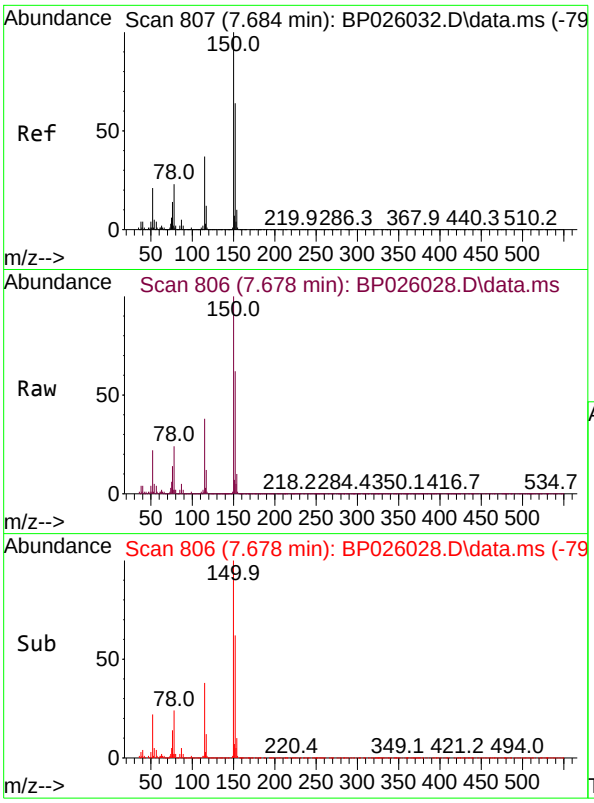
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026028.D
Acq On : 29 Oct 2025 09:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 29 18:07:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



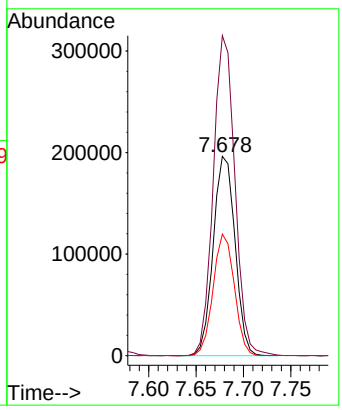


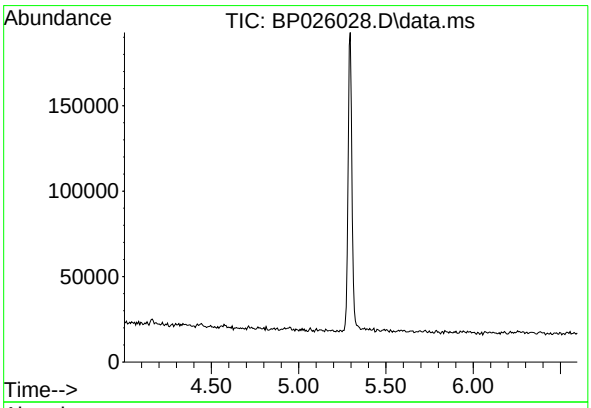
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 314539

Ion	Ratio	Lower	Upper
152	100		
150	160.6	125.7	188.5
115	61.0	46.4	69.6



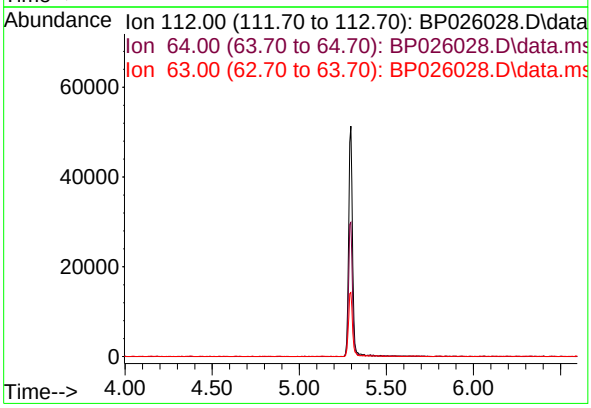


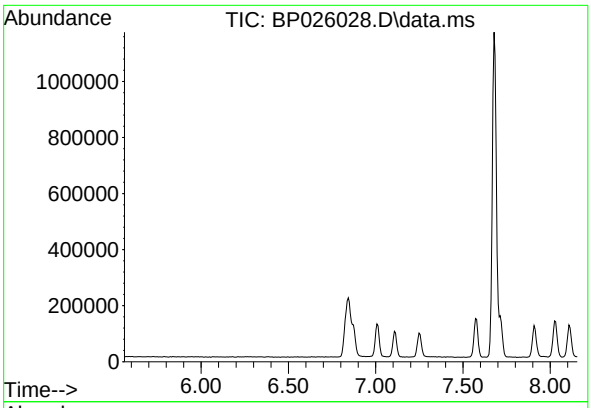
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.30 min

Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.3
63	30.3





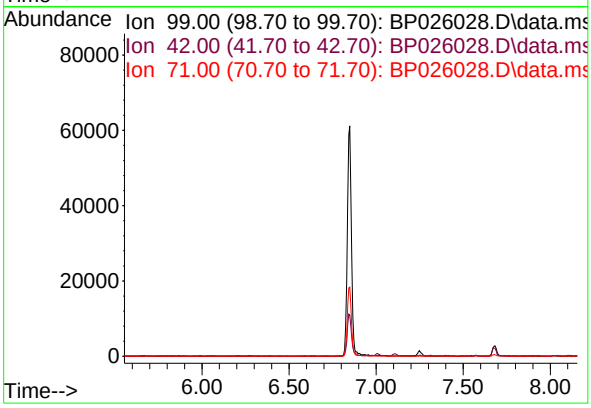
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.85 min

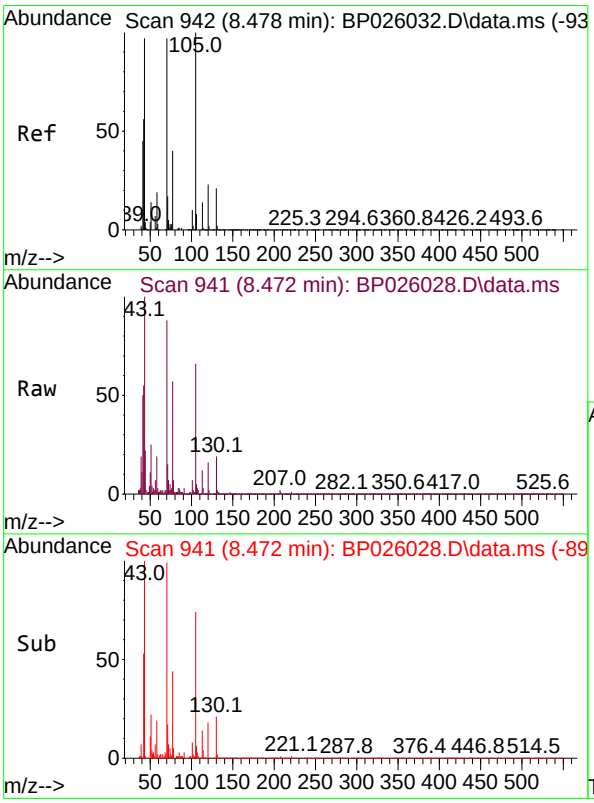
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	17.1
71	30.5

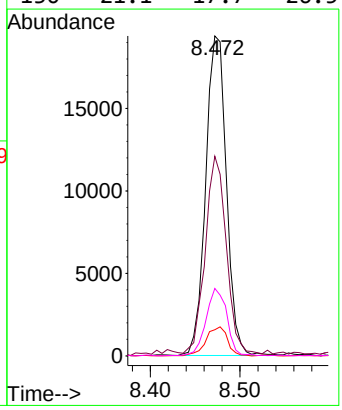


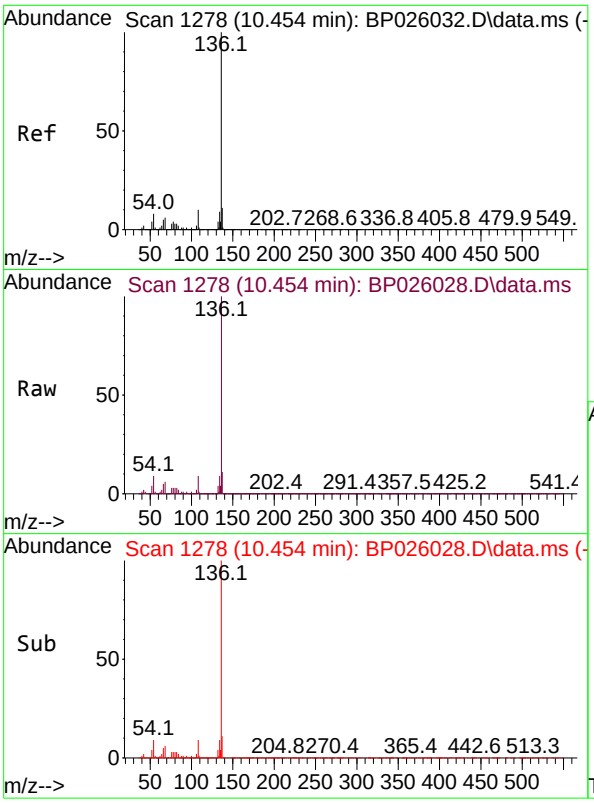


#19
n-Nitroso-di-n-propylamine
Concen: 2.075 ng
RT: 8.472 min Scan# 941
Delta R.T. -0.018 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Tgt Ion: 70 Resp: 31253

Ion	Ratio	Lower	Upper
70	100		
42	62.4	47.2	70.8
101	8.2	8.2	12.2
130	21.1	17.7	26.5



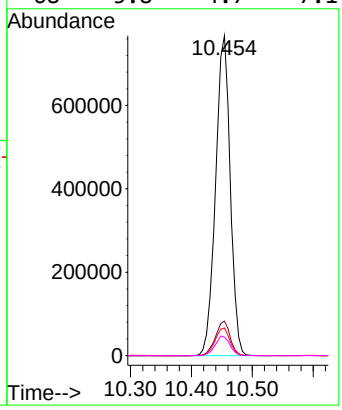


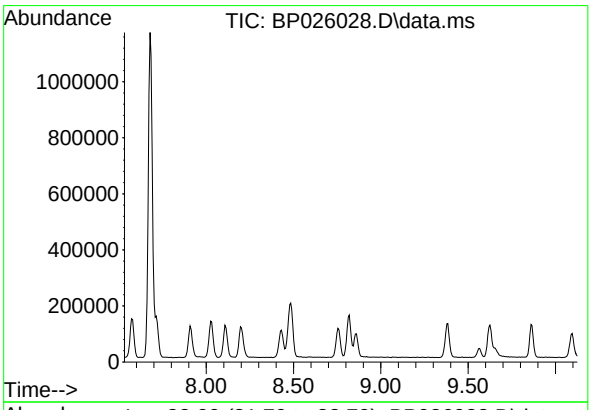
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1282158

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.7	6.6	10.0
68	5.8	4.7	7.1



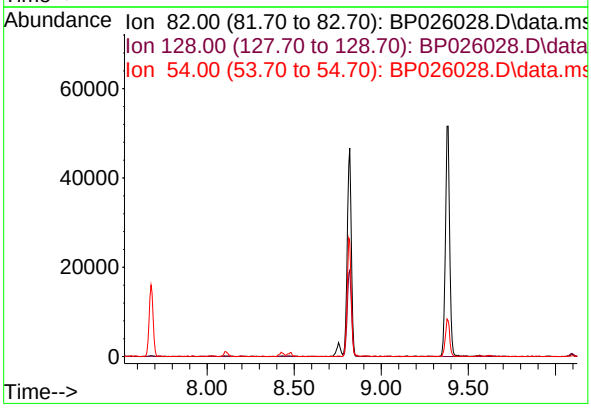


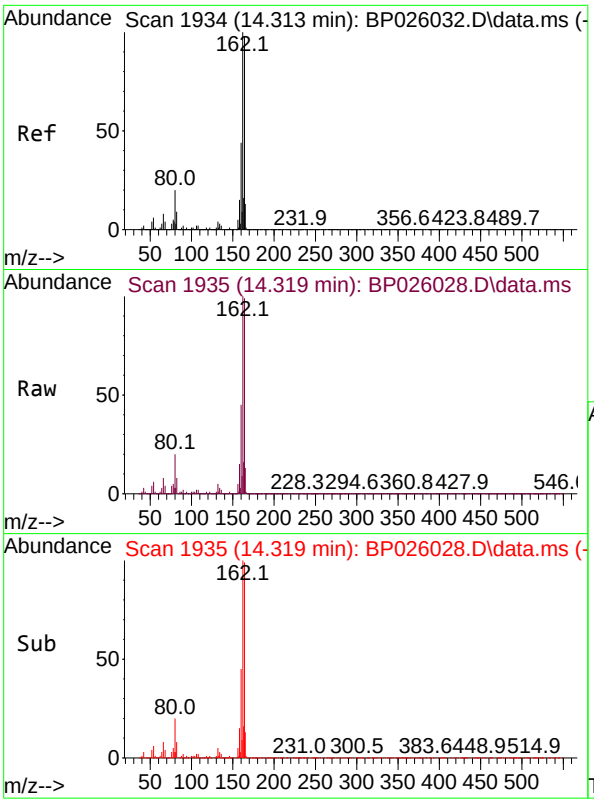
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.82 min

Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.7
54	53.4



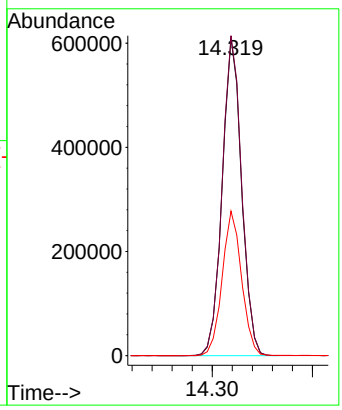


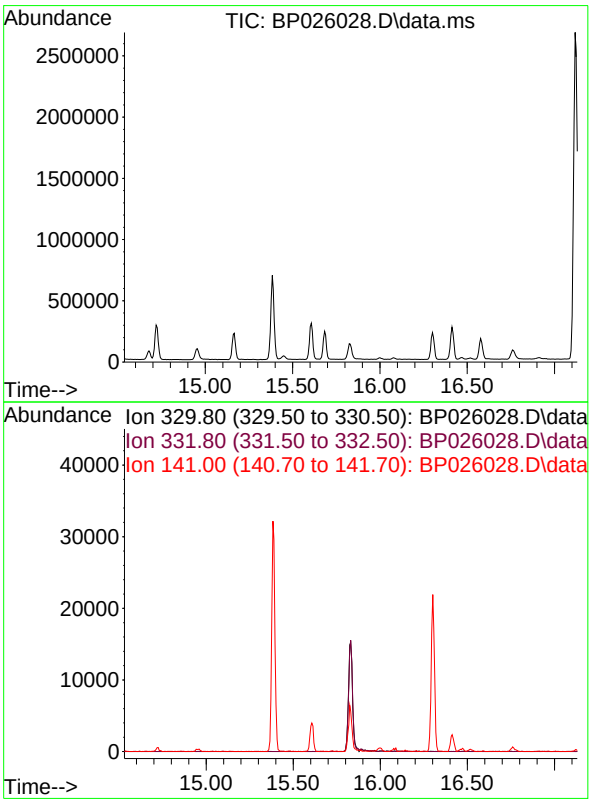
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 817769

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.5	122.3
160	45.5	36.2	54.4



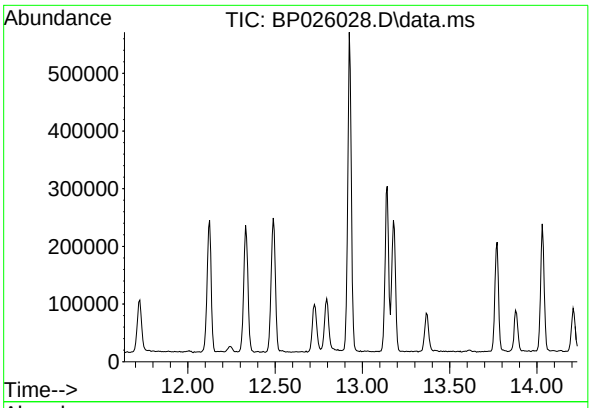


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.83 min

Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.6
141	35.7



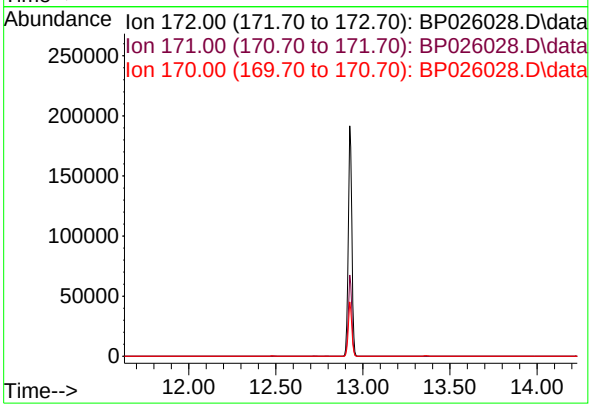
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.93 min

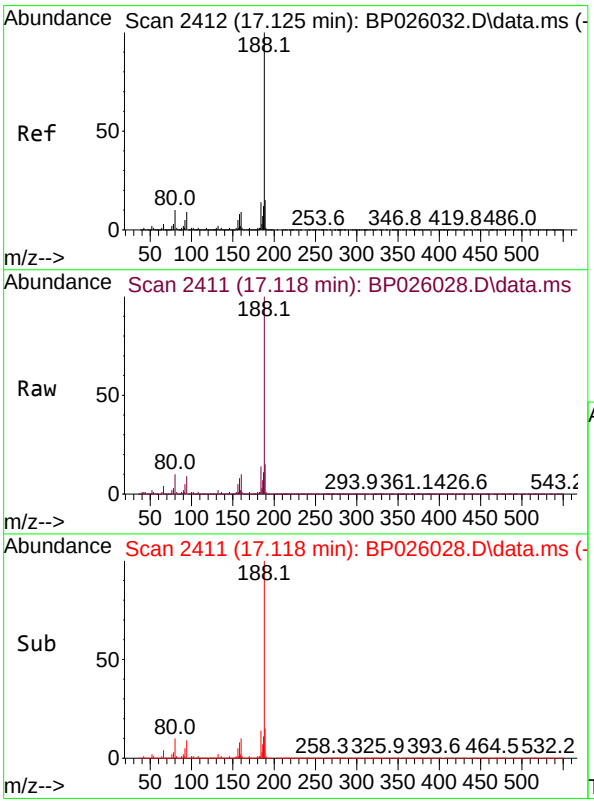
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	34.9
170	23.7

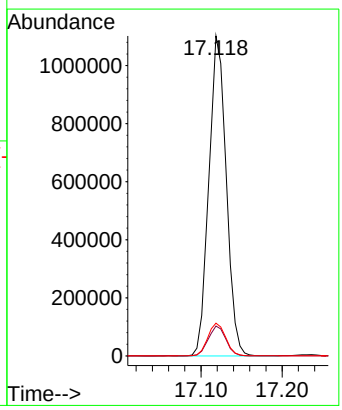


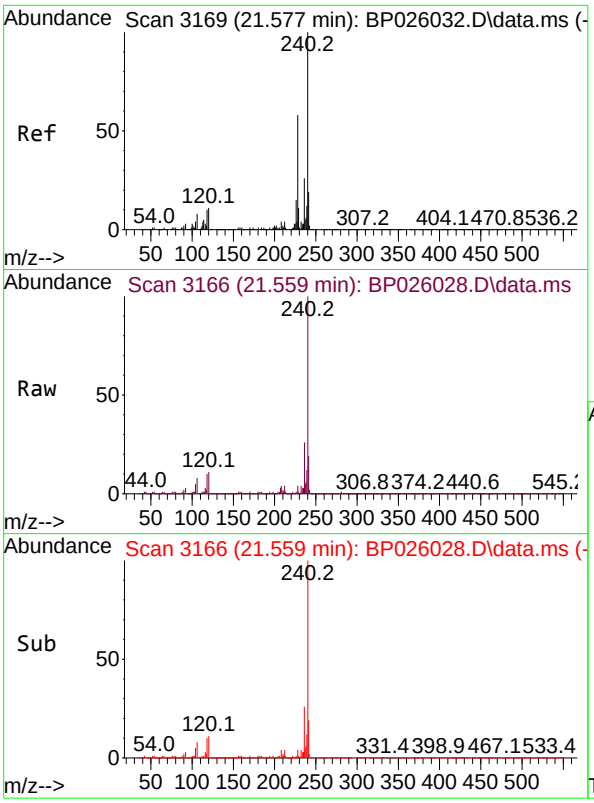


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.118 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Tgt Ion:188 Resp: 1645754

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.1	10.7
80	10.2	7.9	11.9



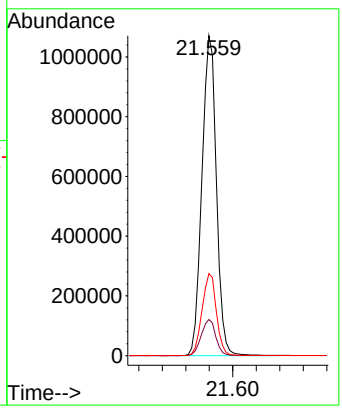


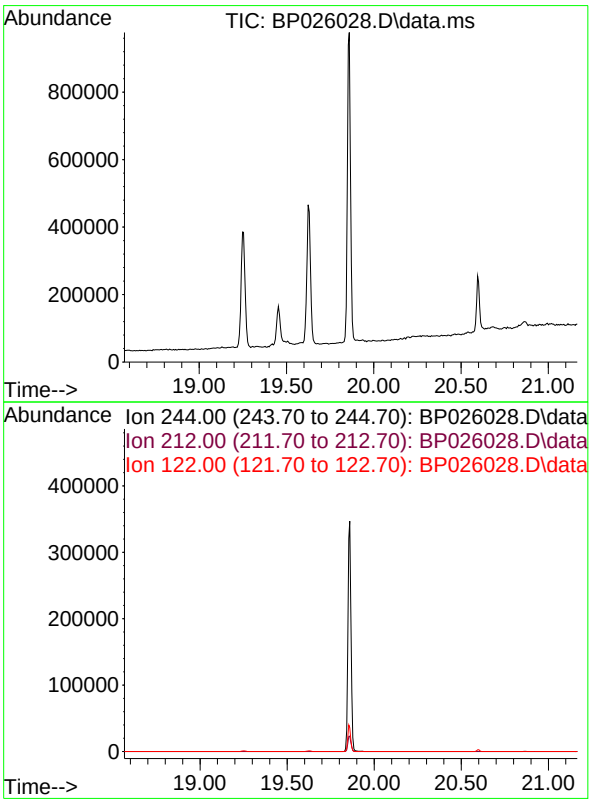
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.559 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1828965

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.6	20.6	31.0



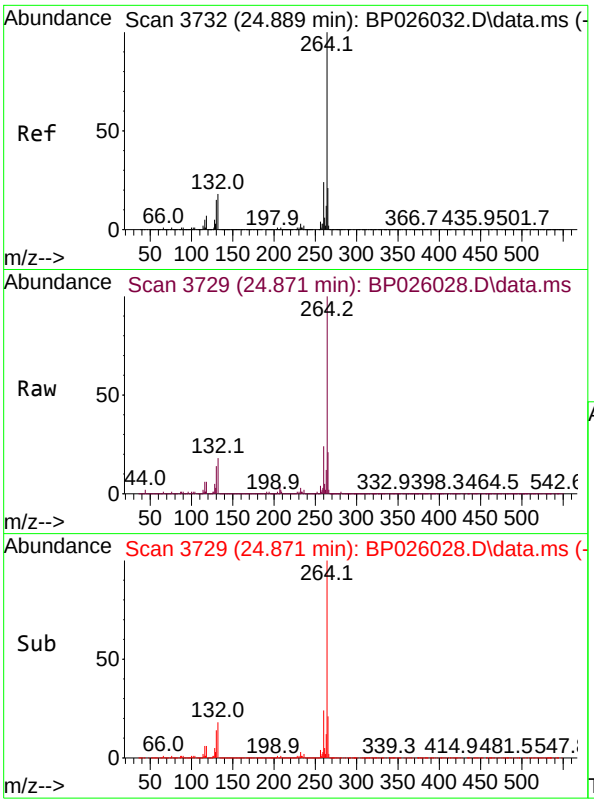


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.87 min

Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.5
122	11.3

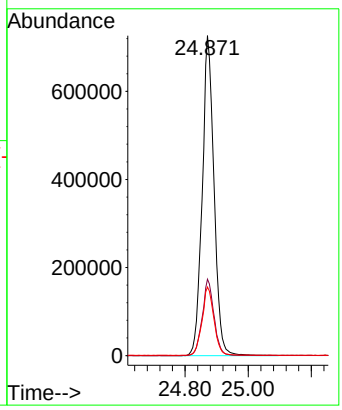


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.871 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1886321

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.4	17.2	25.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026029.D
Acq On : 29 Oct 2025 10:07
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Oct 29 18:07:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	341461	20.000	ng		0.00
21) Naphthalene-d8	10.449	136	1420199	20.000	ng		0.00
39) Acenaphthene-d10	14.313	164	925892	20.000	ng		0.00
64) Phenanthrene-d10	17.131	188	1817309	20.000	ng		0.00
76) Chrysene-d12	21.572	240	2025692	20.000	ng		0.00
86) Perylene-d12	24.860	264	2104784	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	180174	8.707	ng		0.00
7) Phenol-d6	6.849	99	233297	8.858	ng		0.00
23) Nitrobenzene-d5	8.819	82	182124	7.994	ng		0.00
42) 2,4,6-Tribromophenol	15.837	330	71861	7.179	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	624927	9.698	ng		0.00
79) Terphenyl-d14	19.866	244	964860	9.677	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.237	88	40256	4.615	ng		98
3) Pyridine	3.626	79	113576	4.580	ng		99
6) Aniline	7.014	93	161620	4.598	ng		99
8) 2-Chlorophenol	7.255	128	95293	4.159	ng		95
10) Phenol	6.872	94	131630	4.502	ng		98
11) bis(2-Chloroethyl)ether	7.108	93	108520	4.703	ng		98
12) 1,3-Dichlorobenzene	7.578	146	125141	4.755	ng		98
13) 1,4-Dichlorobenzene	7.719	146	127251	4.783	ng		98
14) 1,2-Dichlorobenzene	8.025	146	120561	4.748	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	168852	4.841	ng		99
17) 2-Methylphenol	8.108	107	81751	4.270	ng		99
18) Hexachloroethane	8.749	117	41029	4.506	ng		98
19) n-Nitroso-di-n-propyla...	8.472	70	76340	4.669	ng		98
22) Acetophenone	8.484	105	170727	4.753	ng	#	98
24) Nitrobenzene	8.861	77	100098	4.161	ng		95
25) Isophorone	9.378	82	215193	4.413	ng		98
26) 2-Nitrophenol	9.566	139	24644	5.305	ng		98
27) 2,4-Dimethylphenol	9.625	122	86372	4.212	ng		98
28) bis(2-Chloroethoxy)met...	9.866	93	144278	4.695	ng		100
29) 2,4-Dichlorophenol	10.090	162	85429	3.946	ng		98
30) 1,2,4-Trichlorobenzene	10.313	180	108660	4.617	ng		98
31) Naphthalene	10.502	128	368922	4.764	ng		99
33) 4-Chloroaniline	10.602	127	132749	4.461	ng		98
34) Hexachlorobutadiene	10.796	225	70220	4.696	ng		99
36) 4-Chloro-3-methylphenol	11.719	107	91199	4.018	ng		99
37) 2-Methylnaphthalene	12.113	142	254416	4.694	ng		99
38) 1-Methylnaphthalene	12.343	142	251883	4.783	ng		97
40) 1,2,4,5-Tetrachloroben...	12.484	216	132759	4.615	ng		99
43) 2,4,6-Trichlorophenol	12.731	196	59158	3.479	ng		99
44) 2,4,5-Trichlorophenol	12.796	196	71602	3.690	ng		97
46) 1,1'-Biphenyl	13.137	154	336536	4.747	ng		99
47) 2-Chloronaphthalene	13.178	162	261657	4.691	ng		97
48) 2-Nitroaniline	13.372	65	38315	5.289	ng		96
49) Acenaphthylene	14.031	152	358129	4.405	ng		100
50) Dimethylphthalate	13.772	163	296661	4.405	ng		100
51) 2,6-Dinitrotoluene	13.878	165	32784	5.334	ng		89

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026029.D
Acq On : 29 Oct 2025 10:07
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Oct 29 18:07:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Acenaphthene	14.384	154	254758	4.564 ng		97
53) 3-Nitroaniline	14.201	138	40998	5.191 ng	#	90
55) Dibenzofuran	14.725	168	399319	4.735 ng		99
57) 2,4-Dinitrotoluene	14.672	165	45113	5.098 ng		98
58) Fluorene	15.384	166	311704	4.718 ng		99
59) 2,3,4,6-Tetrachlorophenol	14.948	232	51676	3.387 ng		96
60) Diethylphthalate	15.166	149	287071	4.240 ng		98
61) 4-Chlorophenyl-phenyle...	15.396	204	161882	4.907 ng		96
62) 4-Nitroaniline	15.390	138	47887	3.327 ng		90
63) Azobenzene	15.690	77	279169	4.550 ng		99
66) n-Nitrosodiphenylamine	15.595	169	260751	4.589 ng		99
67) 4-Bromophenyl-phenylether	16.307	248	93744	4.650 ng		97
68) Hexachlorobenzene	16.419	284	108797	4.741 ng		99
69) Atrazine	16.578	200	80346	4.192 ng		99
71) Phenanthrene	17.172	178	514616	4.865 ng		99
72) Anthracene	17.260	178	483312	4.609 ng		99
73) Carbazole	17.537	167	447699	4.511 ng		99
74) Di-n-butylphthalate	18.154	149	425656	3.833 ng		99
75) Fluoranthene	19.260	202	572045	4.636 ng		98
78) Pyrene	19.631	202	608386	4.441 ng		99
80) Butylbenzylphthalate	20.607	149	118757	5.554 ng		97
81) Benzo(a)anthracene	21.548	228	647742	4.653 ng		99
83) Chrysene	21.613	228	612715	4.647 ng		100
84) Bis(2-ethylhexyl)phtha...	21.525	149	229182	5.327 ng		99
87) Indeno(1,2,3-cd)pyrene	28.630	276	626036	4.030 ng		97
88) Benzo(b)fluoranthene	23.824	252	565252	4.326 ng		98
89) Benzo(k)fluoranthene	23.895	252	588563	4.411 ng		97
90) Benzo(a)pyrene	24.713	252	495105	4.124 ng		99
91) Dibenzo(a,h)anthracene	28.712	278	514485	4.069 ng		97
92) Benzo(g,h,i)perylene	29.748	276	508408	4.178 ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

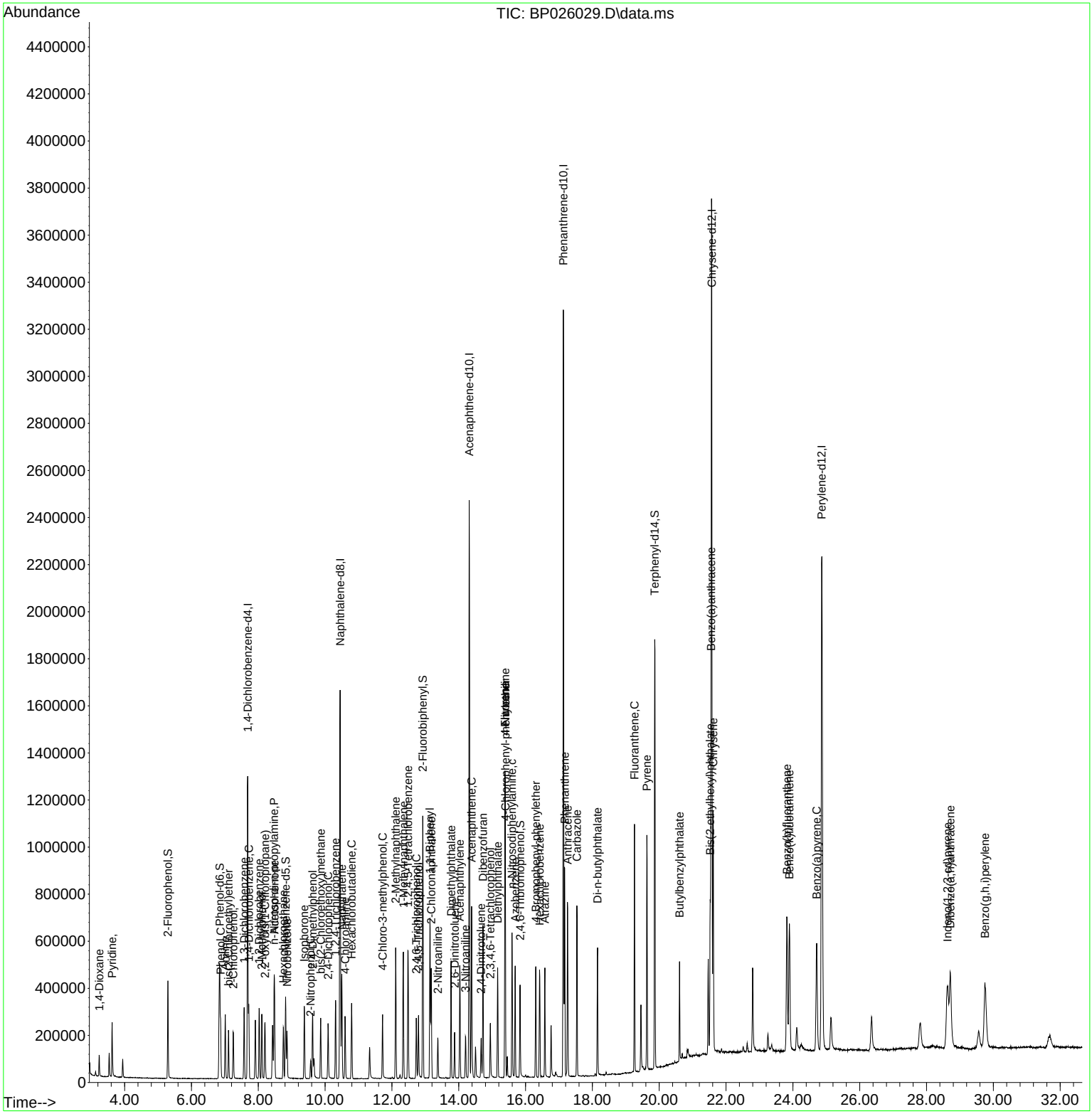
Quantitation Report (QT Reviewed)

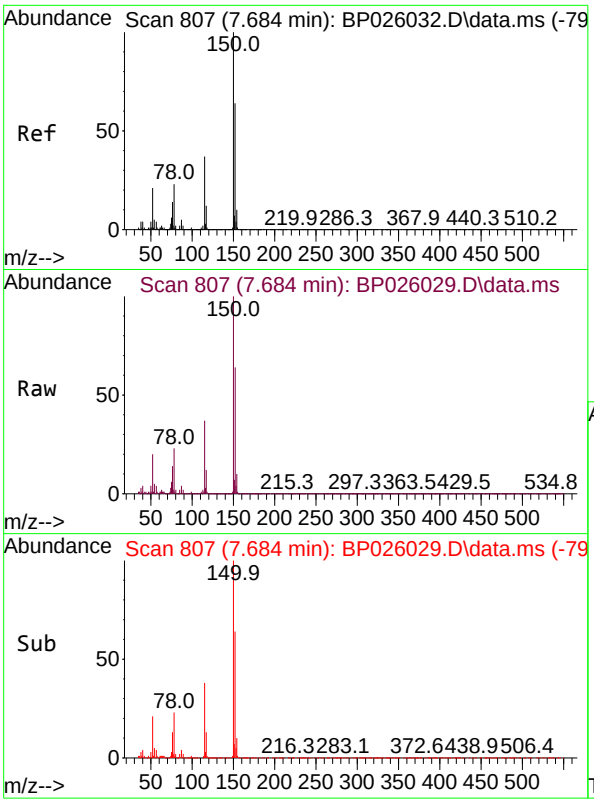
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026029.D
Acq On : 29 Oct 2025 10:07
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Oct 29 18:07:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



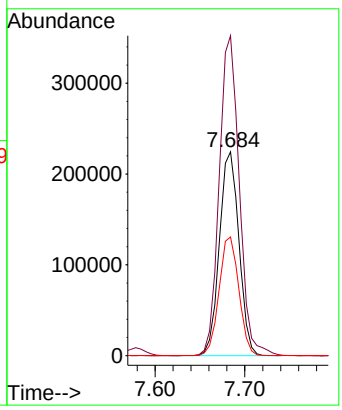


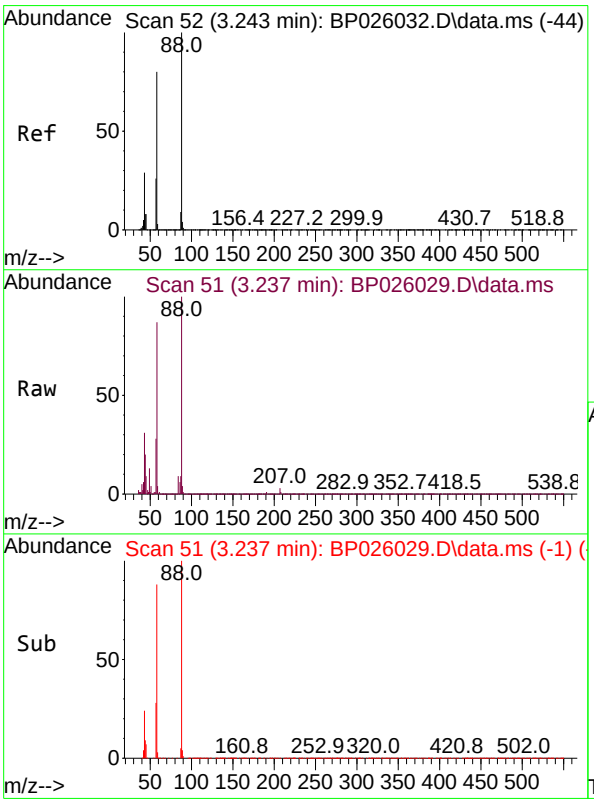
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 341461

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.7	188.5
115	58.3	46.4	69.6

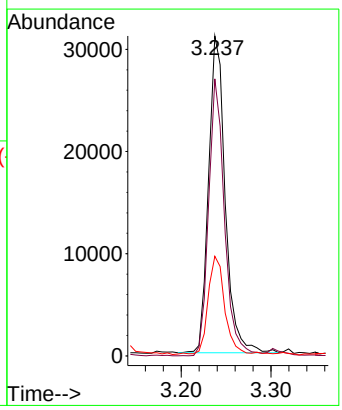


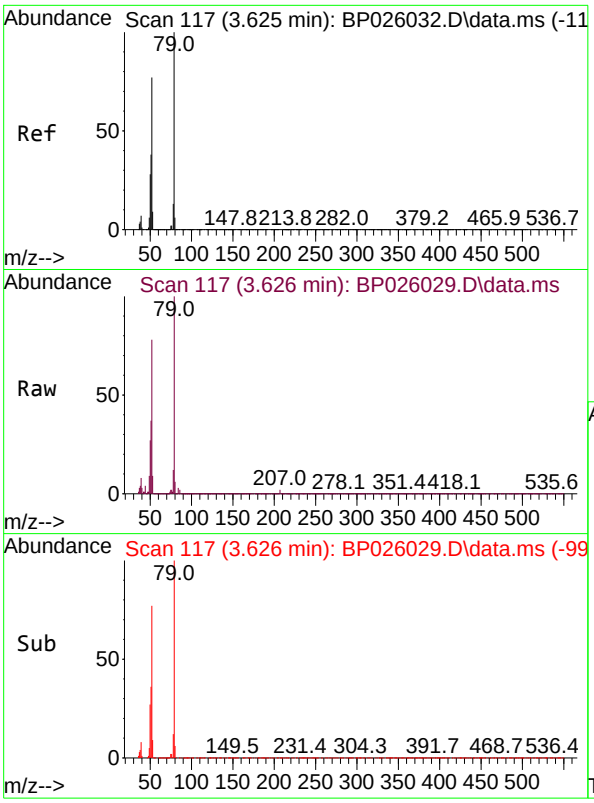


#2
1,4-Dioxane
Concen: 4.615 ng
RT: 3.237 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 88 Resp: 40256

Ion	Ratio	Lower	Upper
88	100		
58	83.2	65.4	98.0
43	31.1	23.1	34.7



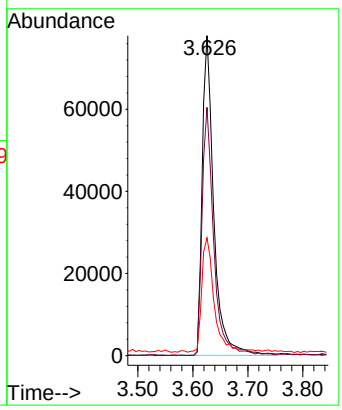


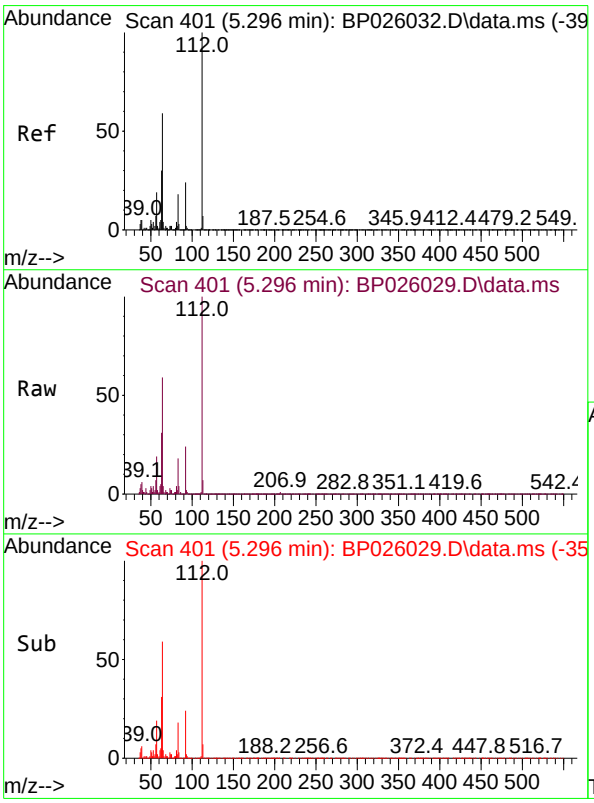
#3
Pyridine
Concen: 4.580 ng
RT: 3.626 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 113576

Ion	Ratio	Lower	Upper
79	100		
52	77.6	62.0	93.0
51	36.8	30.6	46.0

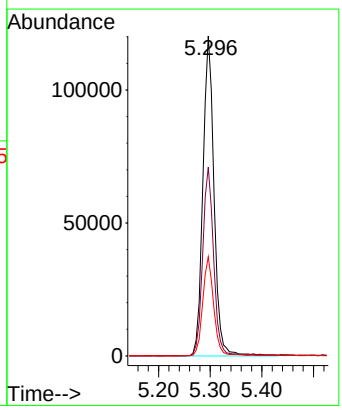


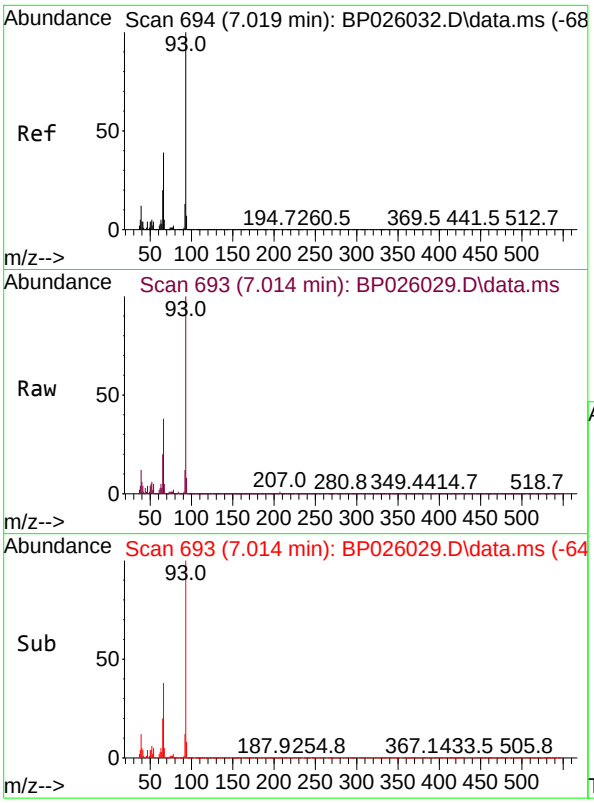


#5
2-Fluorophenol
Concen: 8.707 ng
RT: 5.296 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:112 Resp: 180174

Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.4	71.2
63	31.0	24.2	36.4



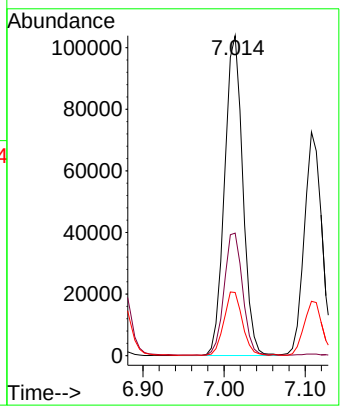


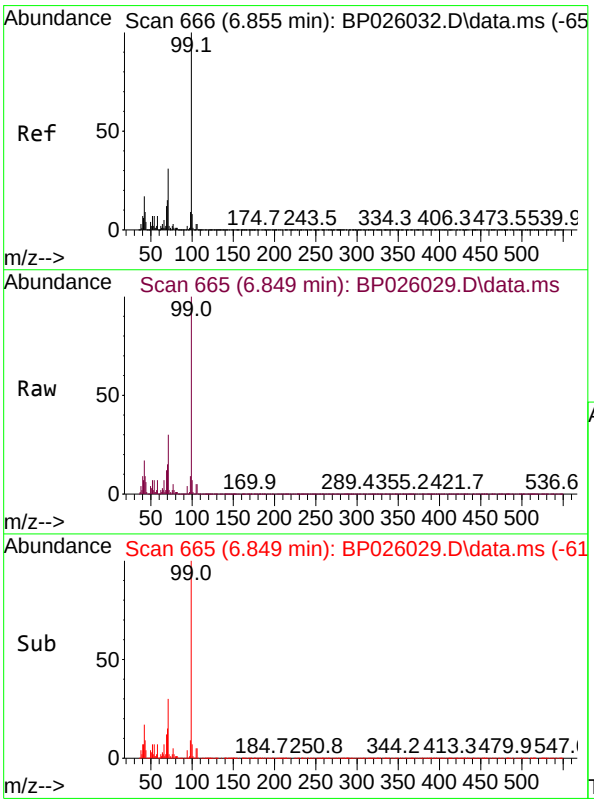
#6
Aniline
Concen: 4.598 ng
RT: 7.014 min Scan# 69
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 161620

Ion	Ratio	Lower	Upper
93	100		
66	38.3	31.2	46.8
65	19.7	16.1	24.1

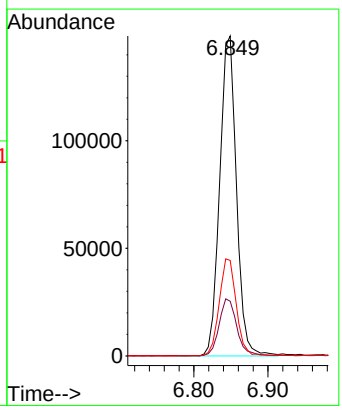


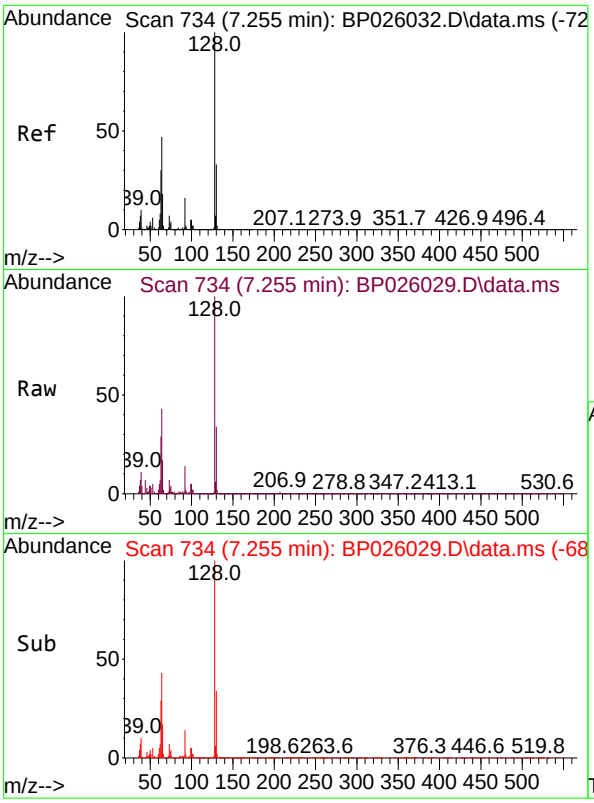


#7
Phenol-d6
Concen: 8.858 ng
RT: 6.849 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 99 Resp: 233297

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	29.8	24.4	36.6



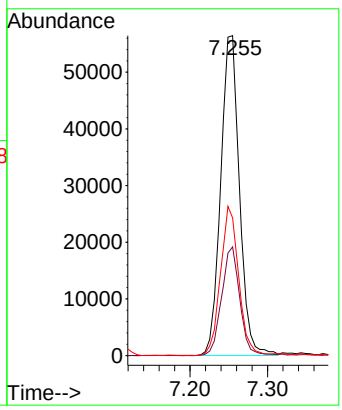


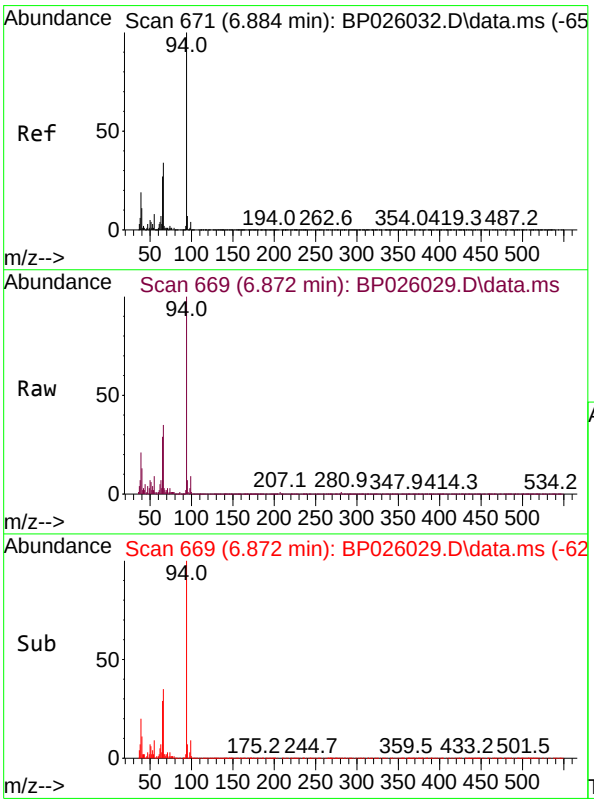
#8
2-Chlorophenol
Concen: 4.159 ng
RT: 7.255 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 95293

Ion	Ratio	Lower	Upper
128	100		
130	34.0	12.7	52.7
64	43.0	27.4	67.4

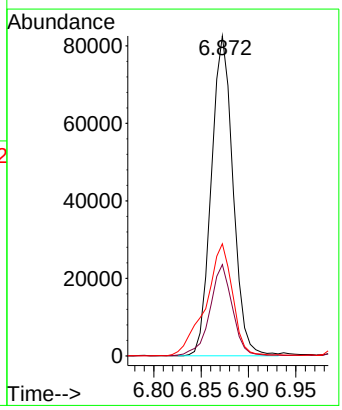


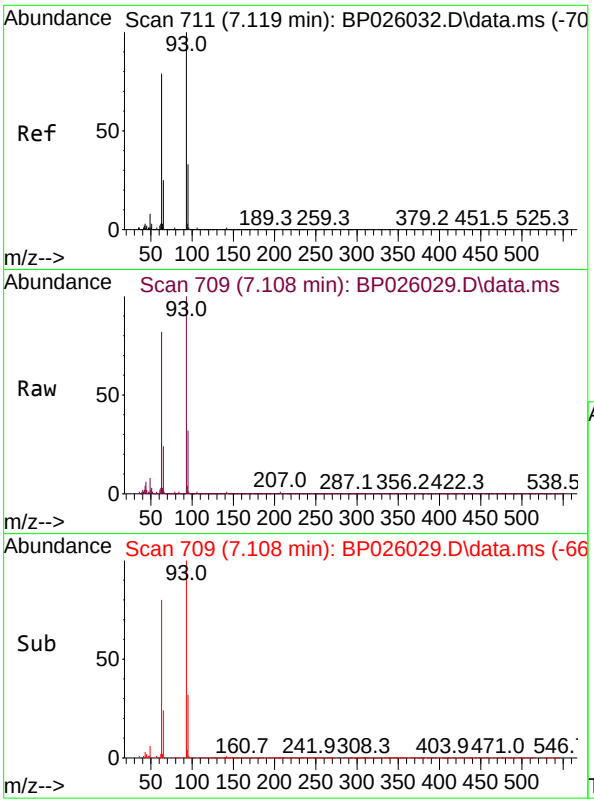


#10
Phenol
Concen: 4.502 ng
RT: 6.872 min Scan# 669
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 94 Resp: 131630

Ion	Ratio	Lower	Upper
94	100		
65	28.5	7.1	47.1
66	35.0	14.4	54.4



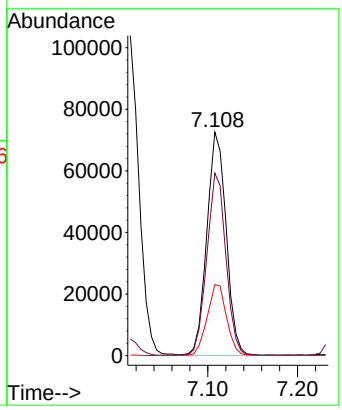


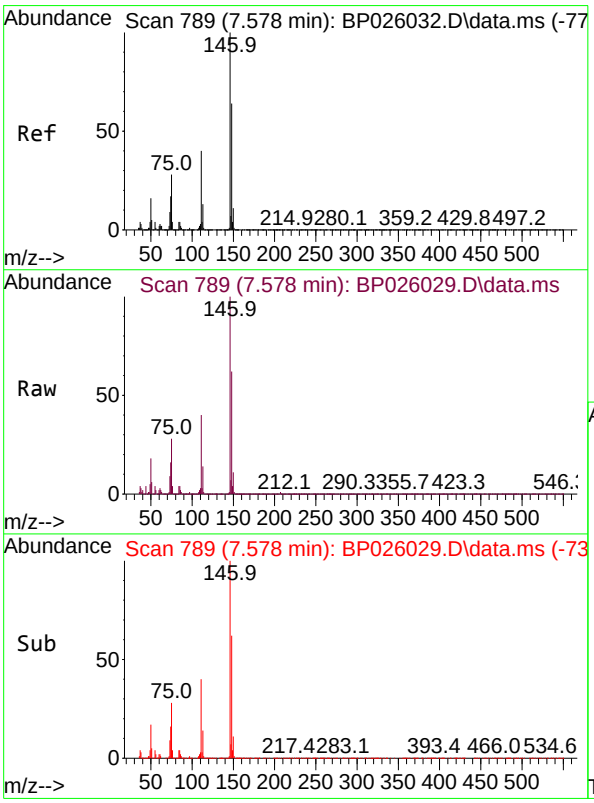
#11
bis(2-Chloroethyl)ether
Concen: 4.703 ng
RT: 7.108 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 108520

Ion	Ratio	Lower	Upper
93	100		
63	81.6	59.1	99.1
95	31.7	12.6	52.6

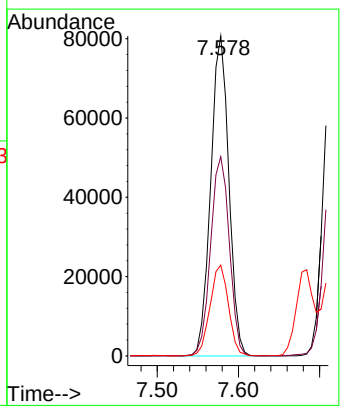


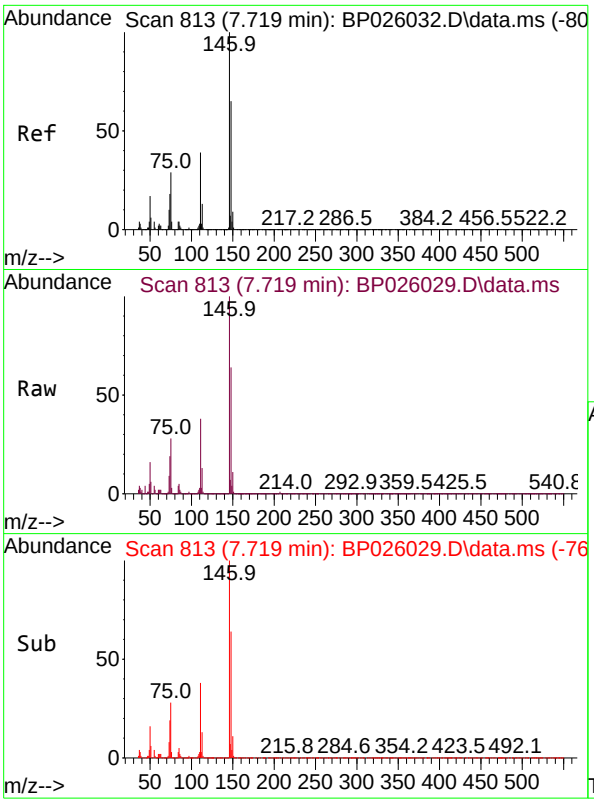


#12
1,3-Dichlorobenzene
Concen: 4.755 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:146 Resp: 125141

Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.6	77.4
75	28.4	22.6	33.8



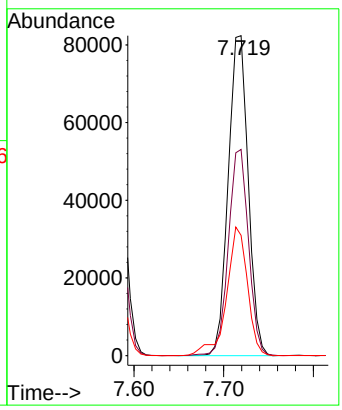


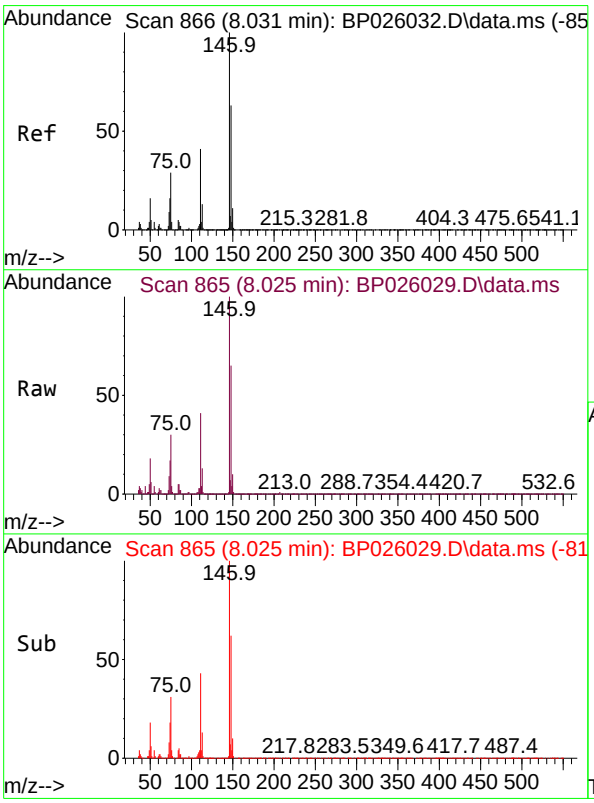
#13
1,4-Dichlorobenzene
Concen: 4.783 ng
RT: 7.719 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 127251

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.2	78.2
111	37.6	31.3	46.9

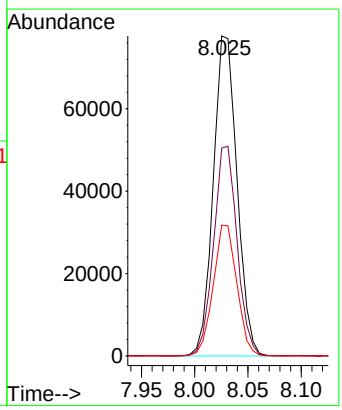


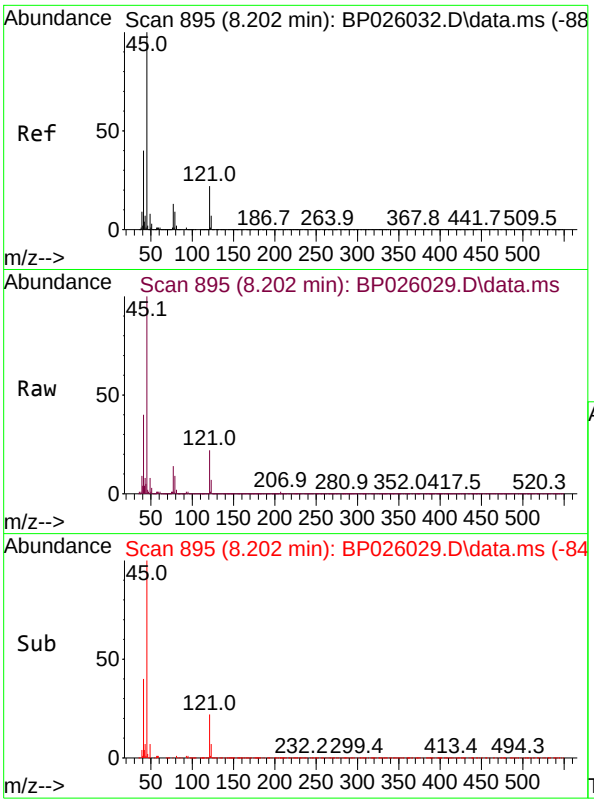


#14
1,2-Dichlorobenzene
Concen: 4.748 ng
RT: 8.025 min Scan# 865
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:146 Resp: 120561

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.8	76.2
111	40.9	33.0	49.4



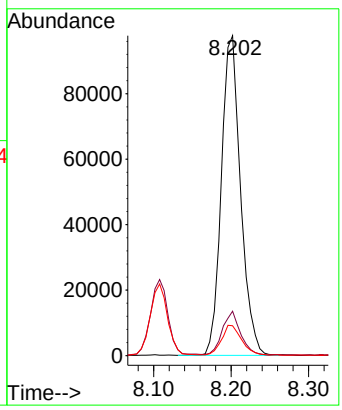


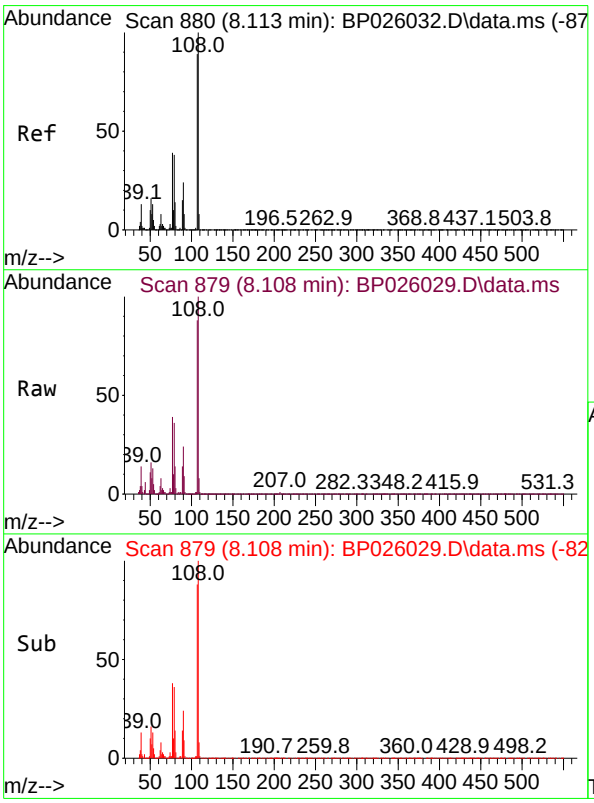
#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.841 ng
RT: 8.202 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 168852

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.2
79	9.3	0.0	29.5

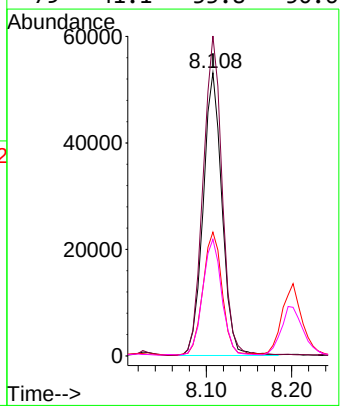


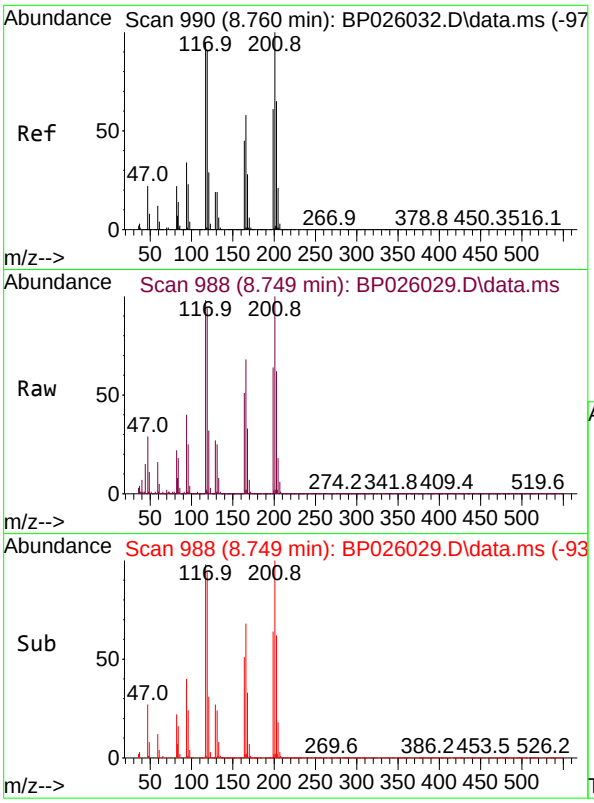


#17
2-Methylphenol
Concen: 4.270 ng
RT: 8.108 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:107 Resp: 81751

Ion	Ratio	Lower	Upper
107	100		
108	113.0	89.8	134.8
77	43.7	34.8	52.2
79	41.1	33.8	50.6



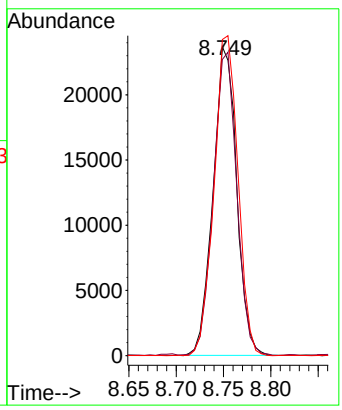


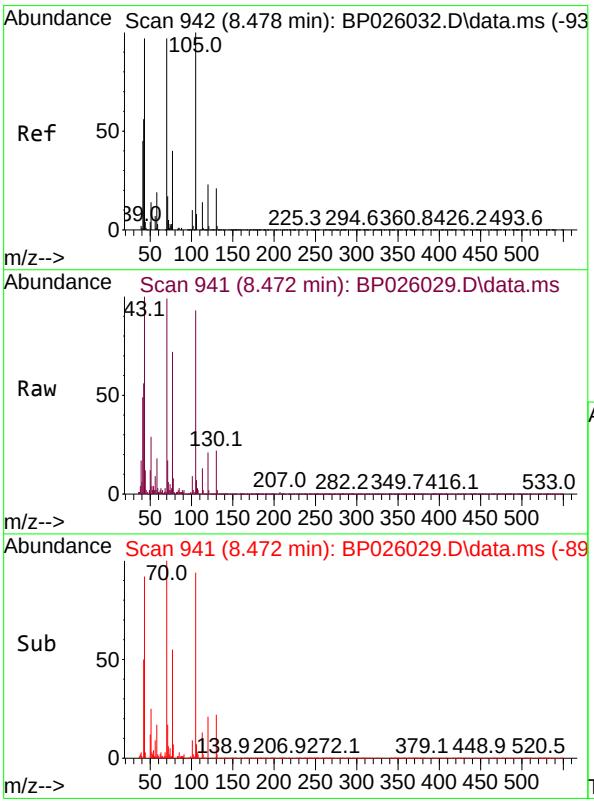
#18
Hexachloroethane
Concen: 4.506 ng
RT: 8.749 min Scan# 98
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 41029

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.5	114.7
201	102.3	84.2	126.4

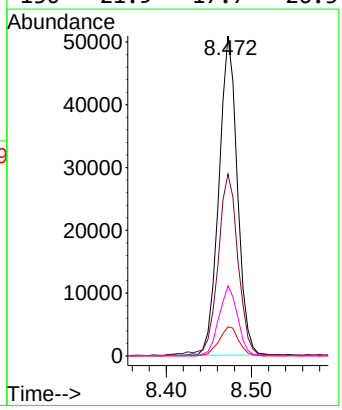


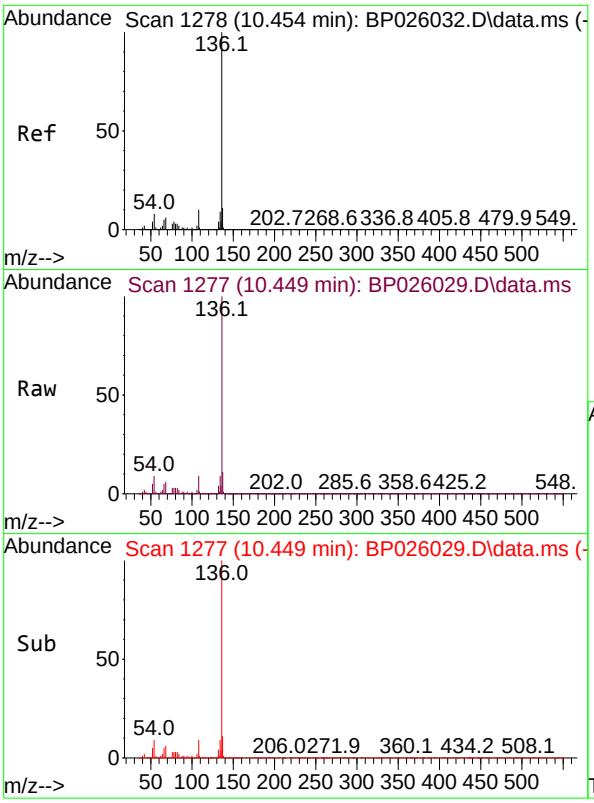


#19
n-Nitroso-di-n-propylamine
Concen: 4.669 ng
RT: 8.472 min Scan# 941
Delta R.T. -0.017 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 70 Resp: 76340

Ion	Ratio	Lower	Upper
70	100		
42	56.8	47.2	70.8
101	9.1	8.2	12.2
130	21.9	17.7	26.5



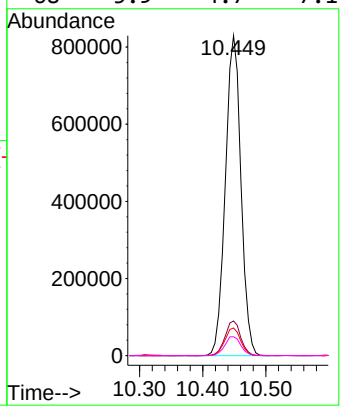


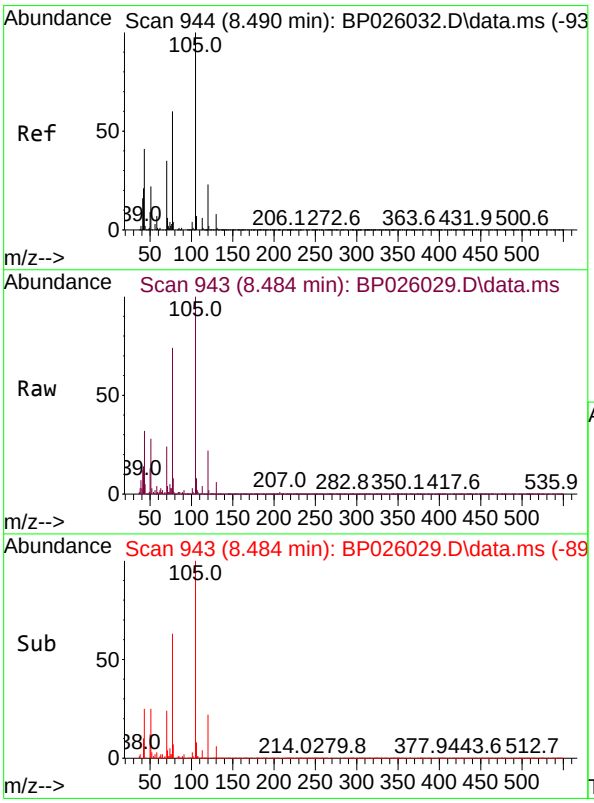
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 1420199

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.6	6.6	10.0
68	5.9	4.7	7.1

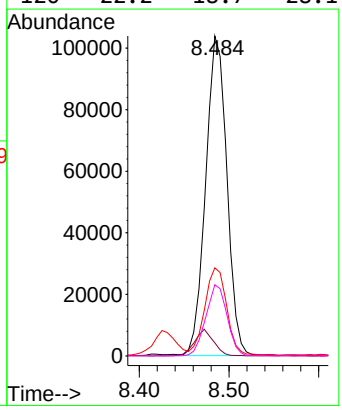


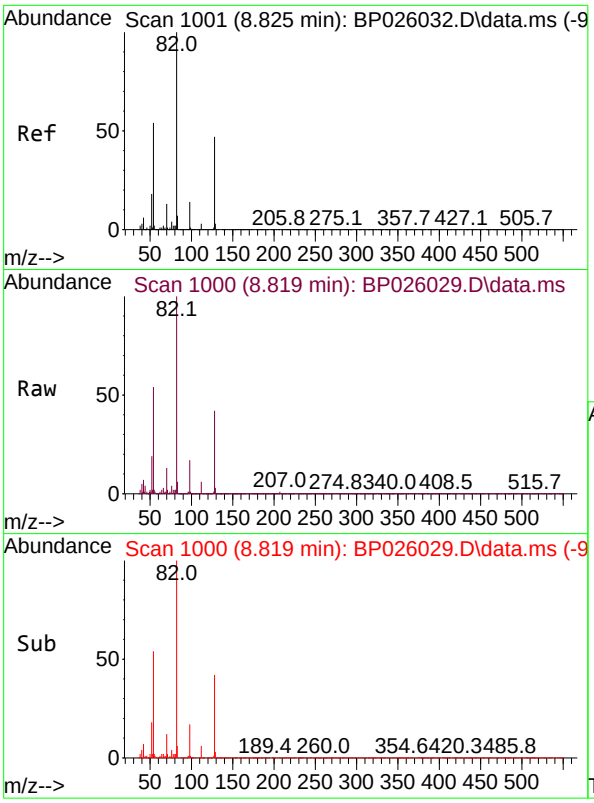


#22
Acetophenone
Concen: 4.753 ng
RT: 8.484 min Scan# 943
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:105 Resp: 170727

Ion	Ratio	Lower	Upper
105	100		
71	4.1	4.7	7.1#
51	27.5	21.8	32.8
120	22.2	18.7	28.1



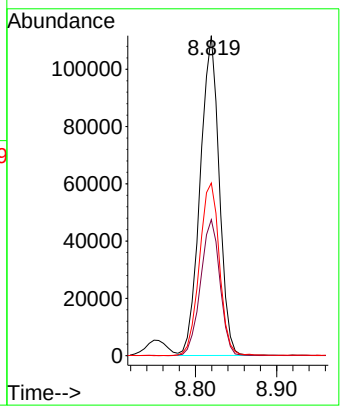


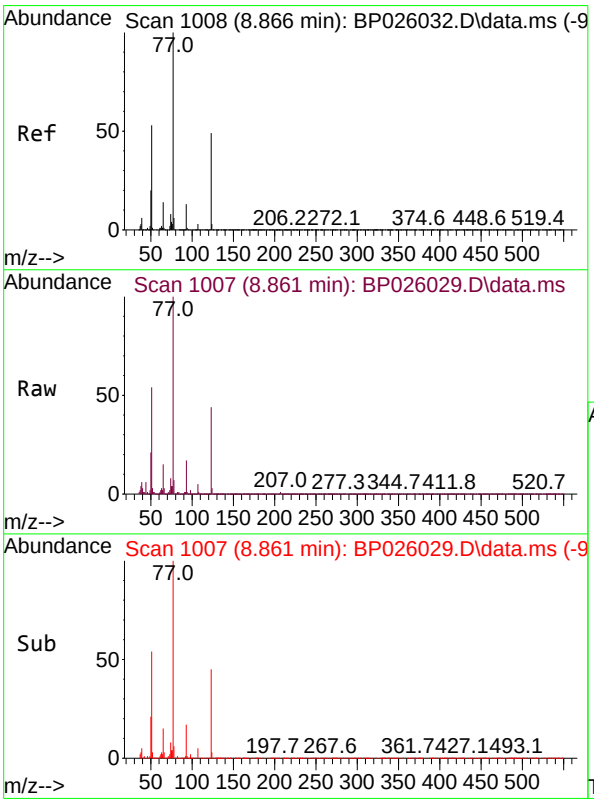
#23
Nitrobenzene-d5
Concen: 7.994 ng
RT: 8.819 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 182124

Ion	Ratio	Lower	Upper
82	100		
128	42.5	37.4	56.0
54	53.9	42.7	64.1

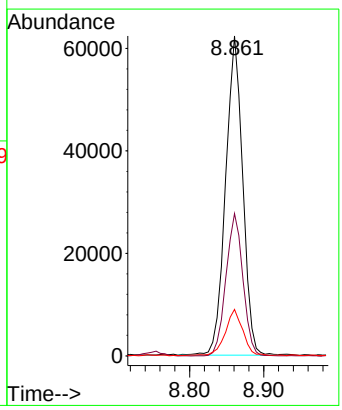


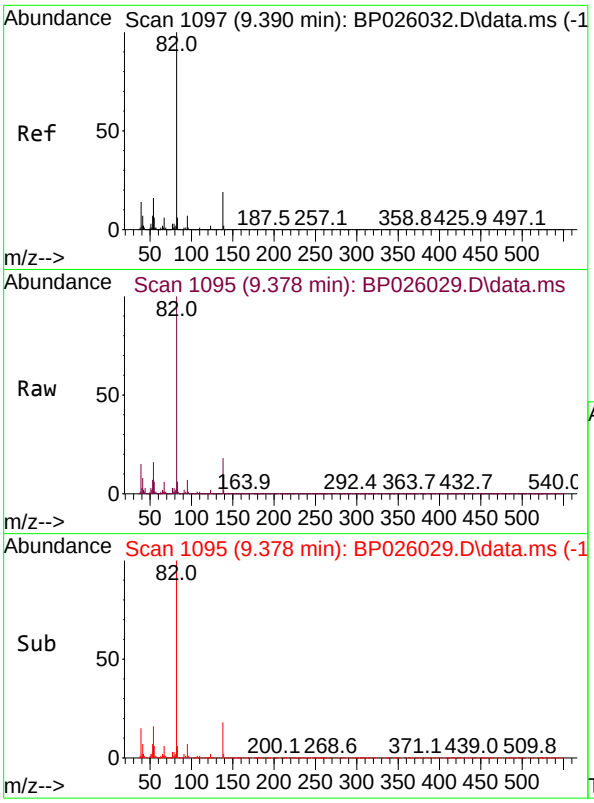


#24
Nitrobenzene
Concen: 4.161 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 77 Resp: 100098

Ion	Ratio	Lower	Upper
77	100		
123	44.5	39.0	58.4
65	14.5	10.9	16.3



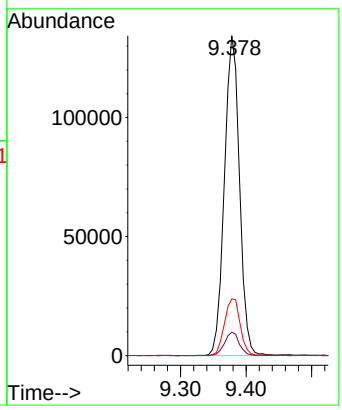


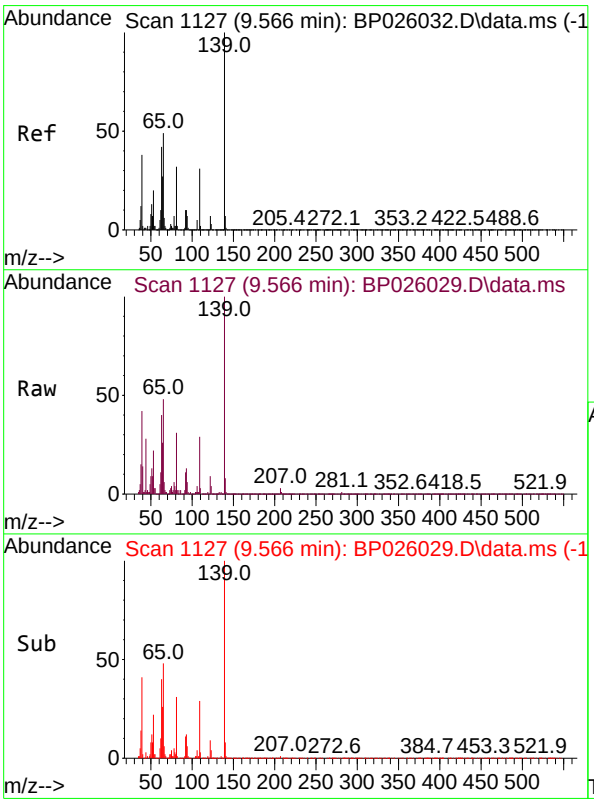
#25
Isophorone
Concen: 4.413 ng
RT: 9.378 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 215193

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.8	8.6
138	17.8	15.0	22.6

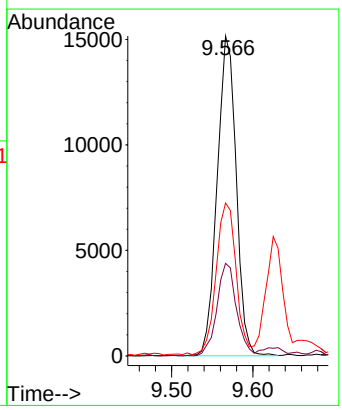


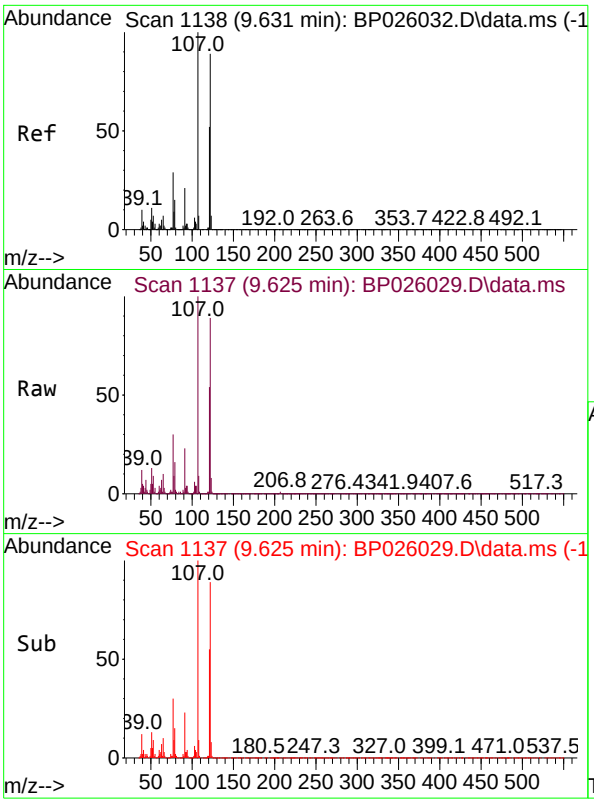


#26
2-Nitrophenol
Concen: 5.305 ng
RT: 9.566 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:139 Resp: 24644

Ion	Ratio	Lower	Upper
139	100		
109	28.9	24.8	37.2
65	47.8	39.0	58.4



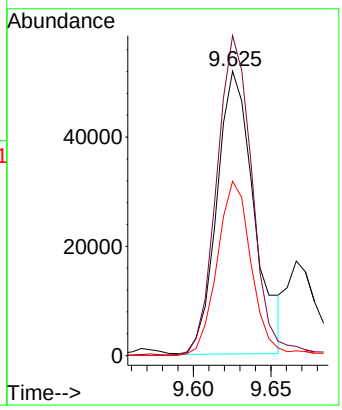


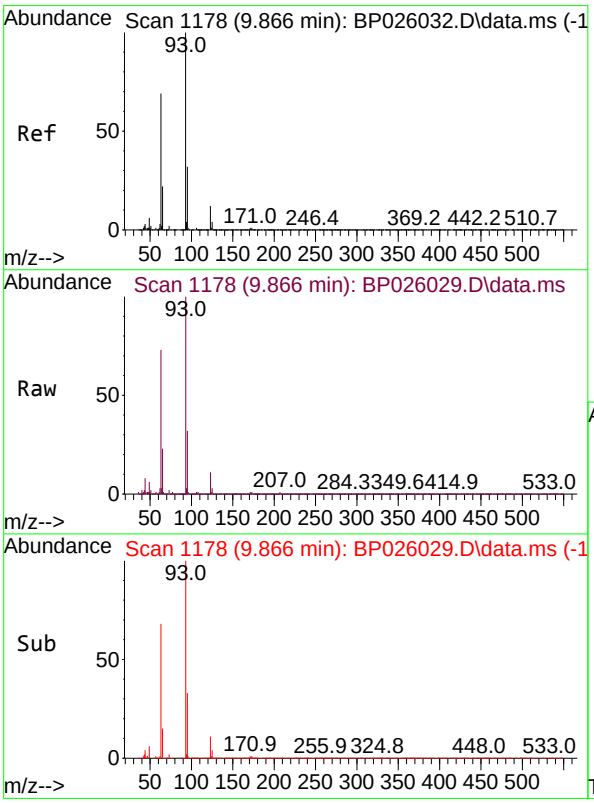
#27
2,4-Dimethylphenol
Concen: 4.212 ng
RT: 9.625 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 86372

Ion	Ratio	Lower	Upper
122	100		
107	112.5	89.2	133.8
121	61.3	46.3	69.5

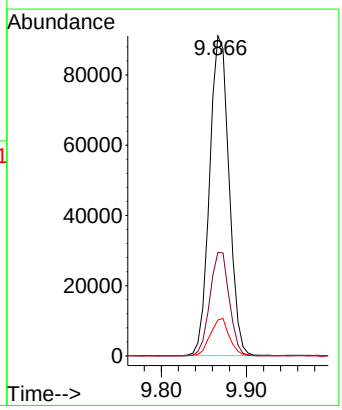


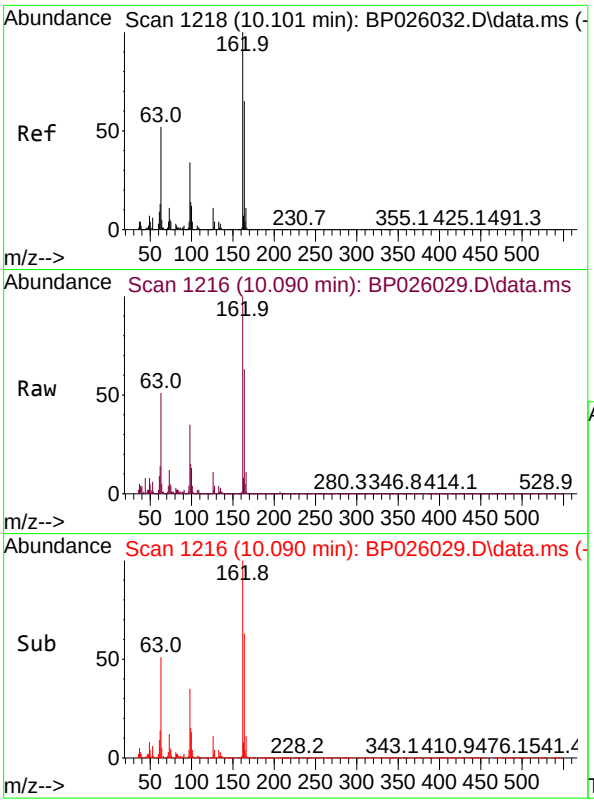


#28
bis(2-Chloroethoxy)methane
Concen: 4.695 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 93 Resp: 144278

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.6
123	11.2	9.3	13.9



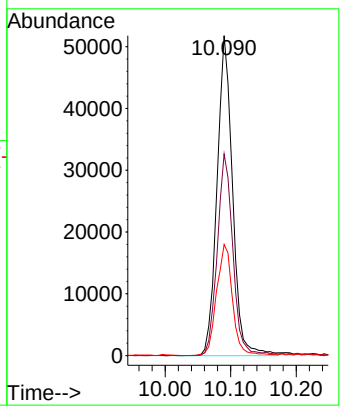


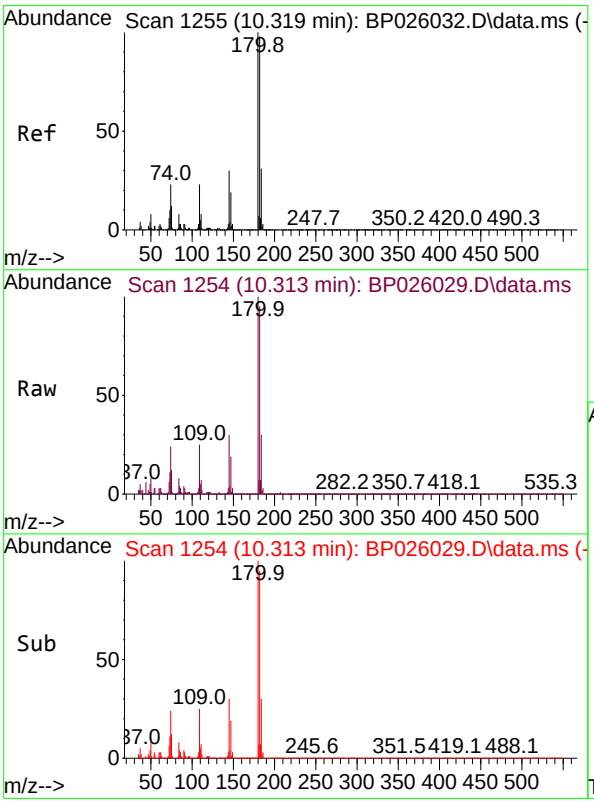
#29
2,4-Dichlorophenol
Concen: 3.946 ng
RT: 10.090 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 85429

Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.6	84.6
98	34.7	14.0	54.0

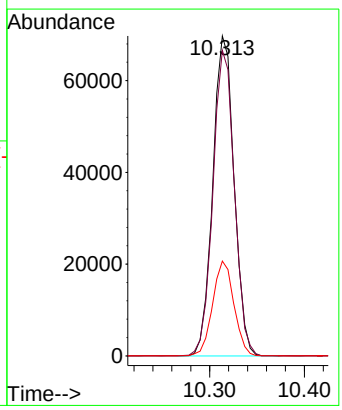


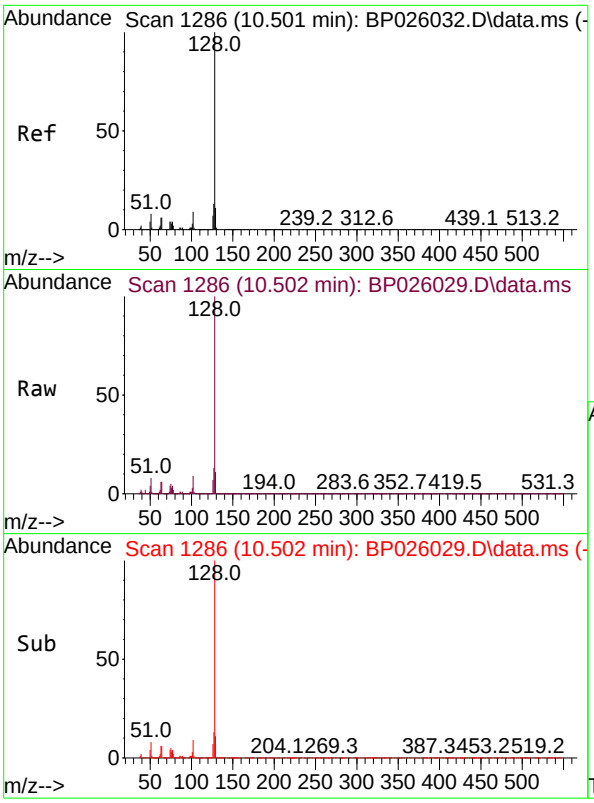


#30
1,2,4-Trichlorobenzene
Concen: 4.617 ng
RT: 10.313 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:180 Resp: 108660

Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.6	117.8
145	29.6	24.2	36.4



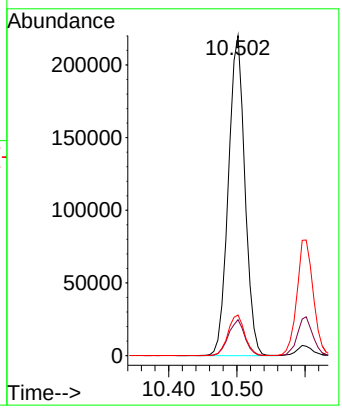


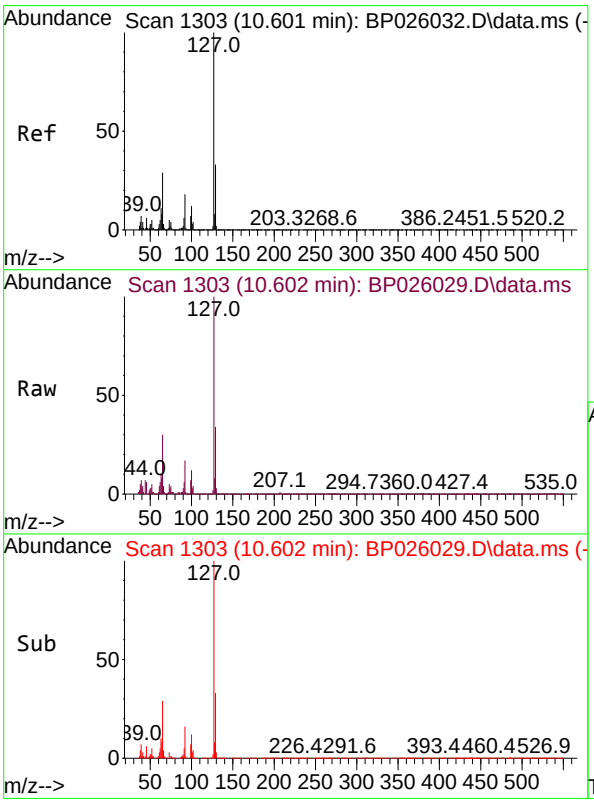
#31
Naphthalene
Concen: 4.764 ng
RT: 10.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 368922

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.7	10.5	15.7

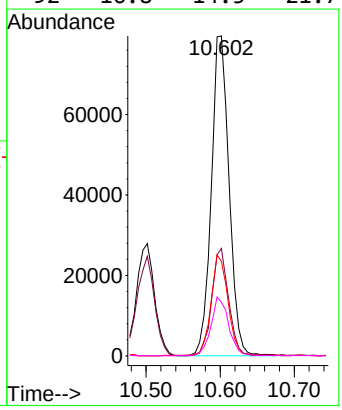


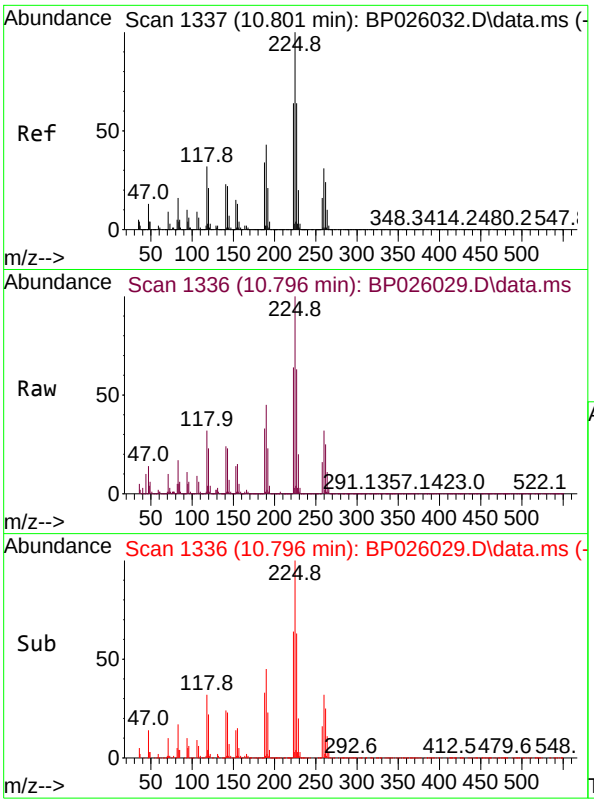


#33
4-Chloroaniline
Concen: 4.461 ng
RT: 10.602 min Scan# 1303
Delta R.T. 0.007 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:127 Resp: 132749

Ion	Ratio	Lower	Upper
127	100		
129	33.6	26.0	39.0
65	29.5	23.2	34.8
92	16.8	14.5	21.7



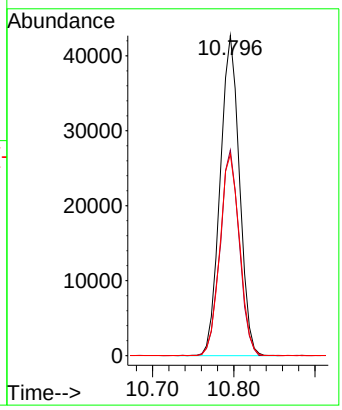


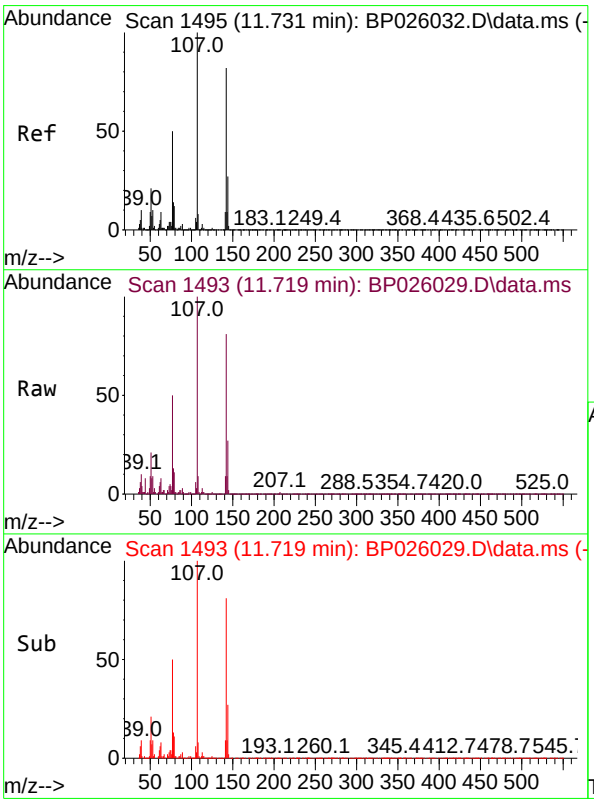
#34
Hexachlorobutadiene
Concen: 4.696 ng
RT: 10.796 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 70220

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.9	76.3
227	62.9	51.0	76.4

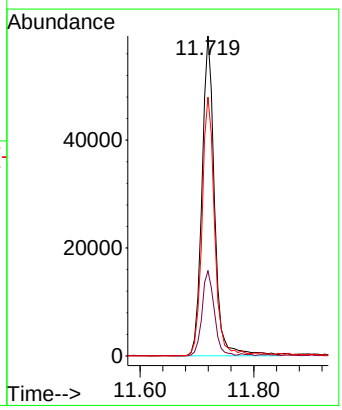


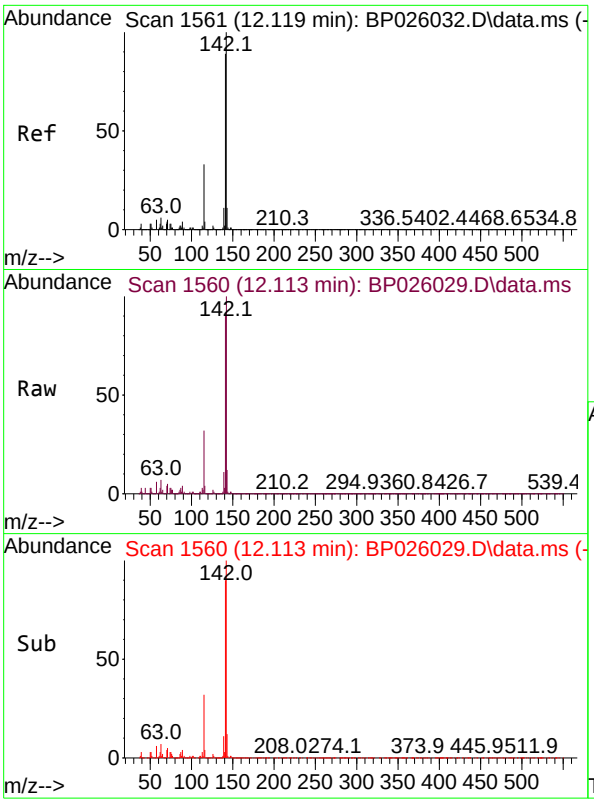


#36
4-Chloro-3-methylphenol
Concen: 4.018 ng
RT: 11.719 min Scan# 1493
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:107 Resp: 91199

Ion	Ratio	Lower	Upper
107	100		
144	26.5	21.3	31.9
142	80.8	65.2	97.8



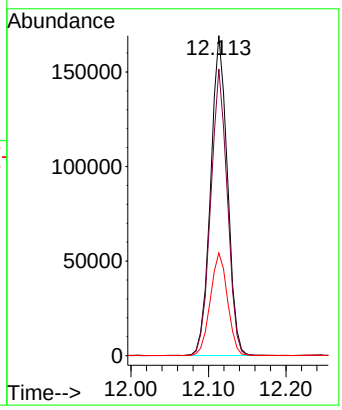


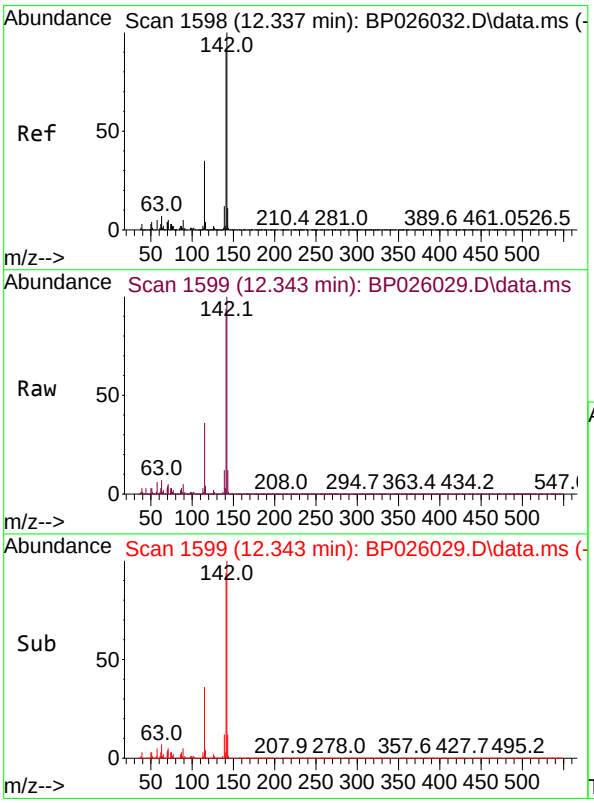
#37
2-Methylnaphthalene
Concen: 4.694 ng
RT: 12.113 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 254416

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.6	107.4
115	32.1	26.6	39.8

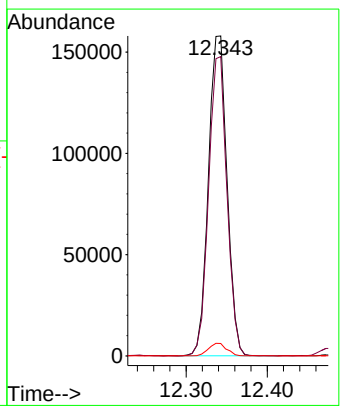


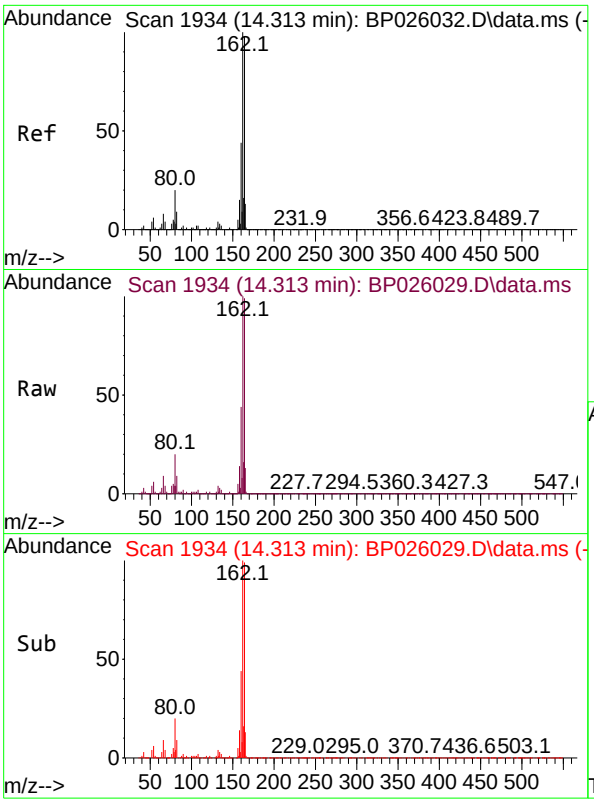


#38
1-Methylnaphthalene
Concen: 4.783 ng
RT: 12.343 min Scan# 1599
Delta R.T. 0.007 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:142 Resp: 251883

Ion	Ratio	Lower	Upper
142	100		
141	93.5	72.7	109.1
116	3.9	2.9	4.3



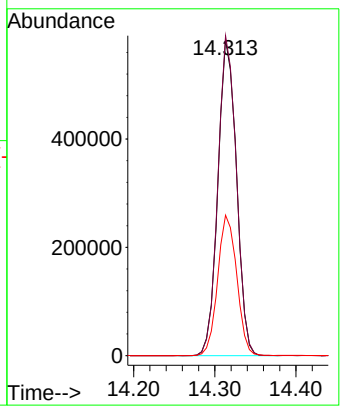


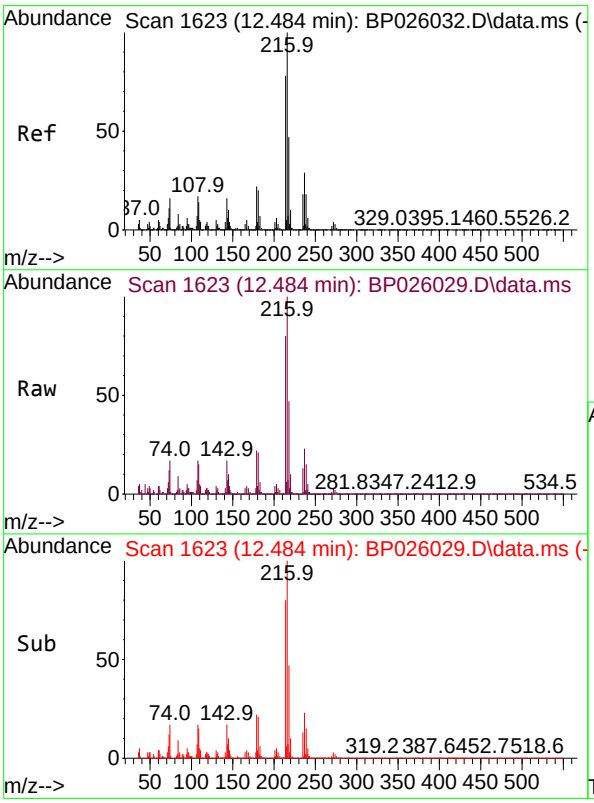
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 925892

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.5	122.3
160	44.5	36.2	54.4

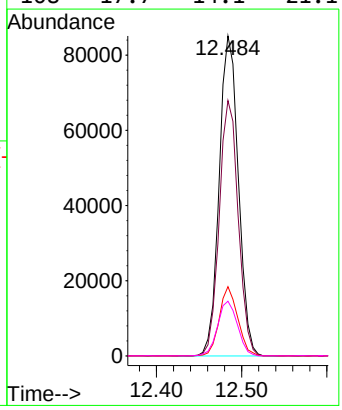


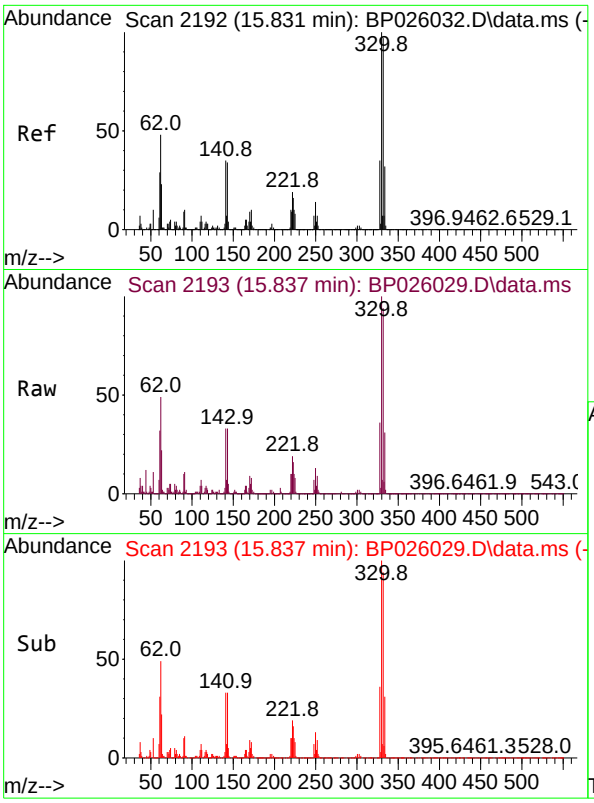


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.615 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:216 Resp: 132759

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.9	94.3
179	20.8	16.9	25.3
108	17.7	14.1	21.1



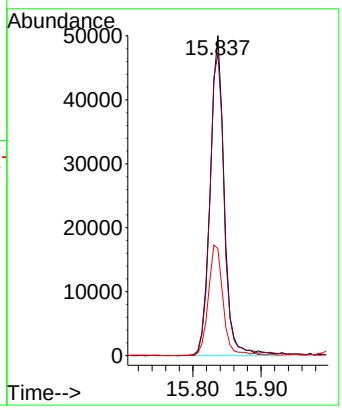


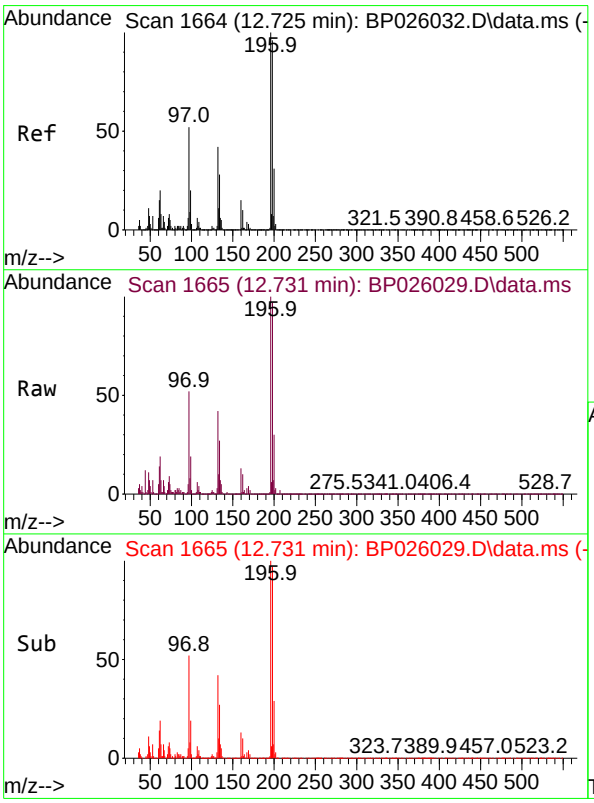
#42
2,4,6-Tribromophenol
Concen: 7.179 ng
RT: 15.837 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 71861

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	35.9	28.6	42.8

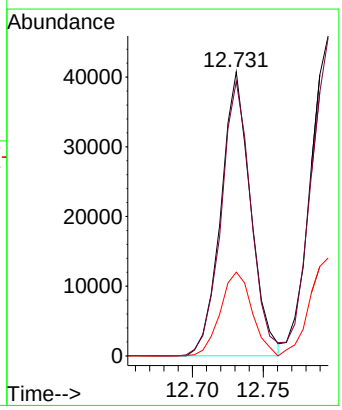


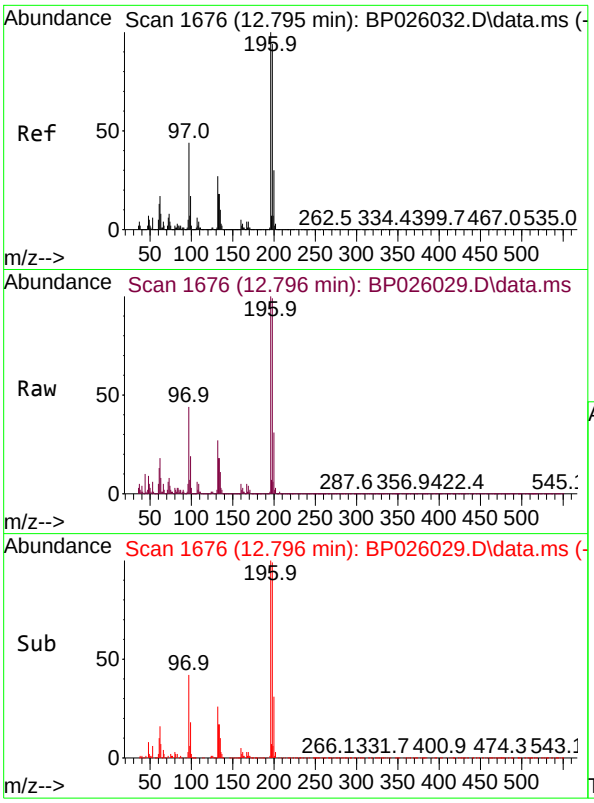


#43
2,4,6-Trichlorophenol
Concen: 3.479 ng
RT: 12.731 min Scan# 1665
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:196 Resp: 59158

Ion	Ratio	Lower	Upper
196	100		
198	96.6	76.5	114.7
200	29.5	24.4	36.6



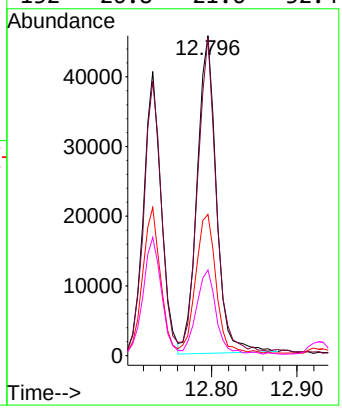


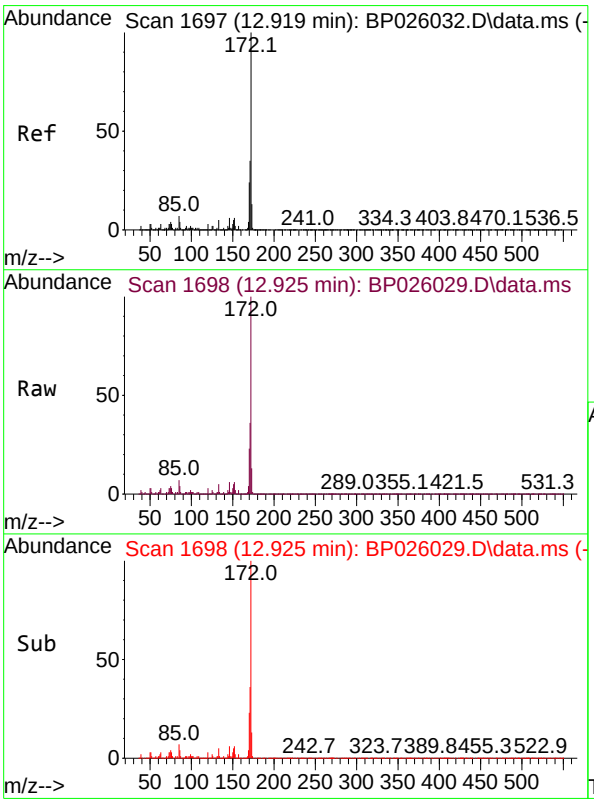
#44
2,4,5-Trichlorophenol
Concen: 3.690 ng
RT: 12.796 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 71602

Ion	Ratio	Lower	Upper
196	100		
198	99.4	75.1	112.7
97	44.1	35.5	53.3
132	26.8	21.6	32.4

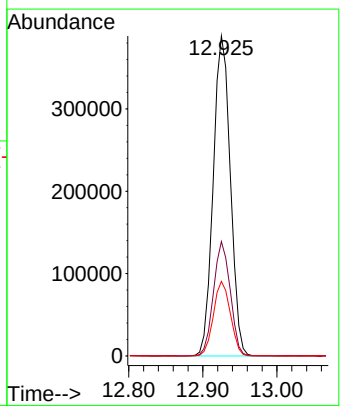


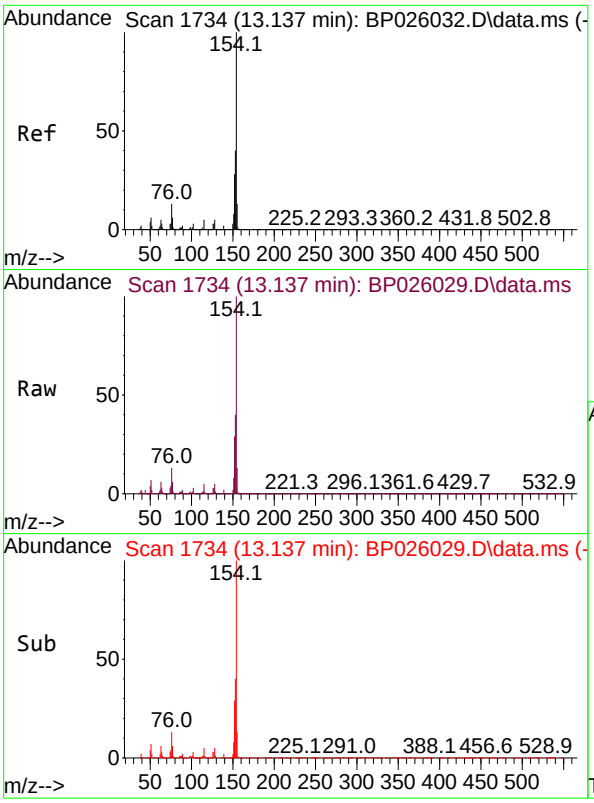


#45
2-Fluorobiphenyl
Concen: 9.698 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:172 Resp: 624927

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.9	41.9
170	23.3	19.0	28.4



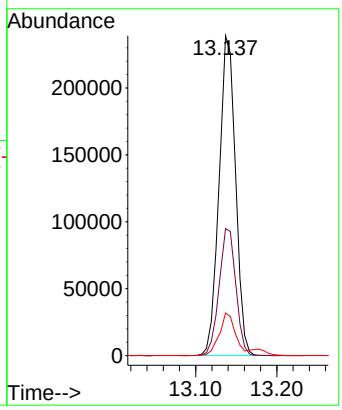


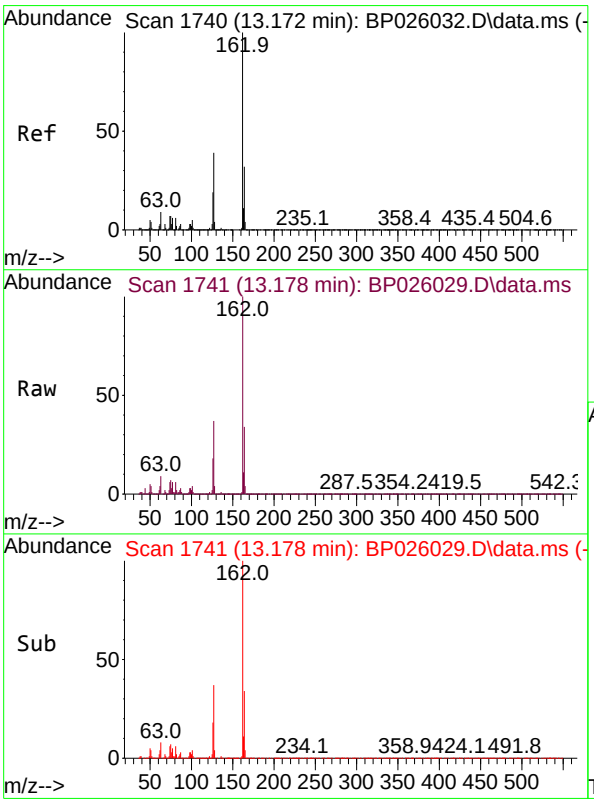
#46
1,1'-Biphenyl
Concen: 4.747 ng
RT: 13.137 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 336536

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.2	60.2
76	13.3	0.0	32.8

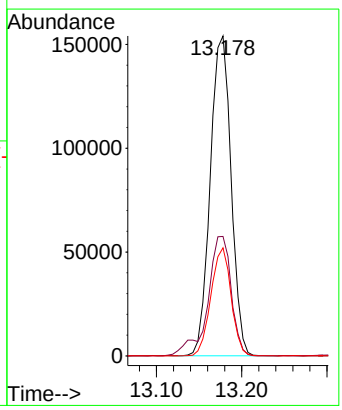


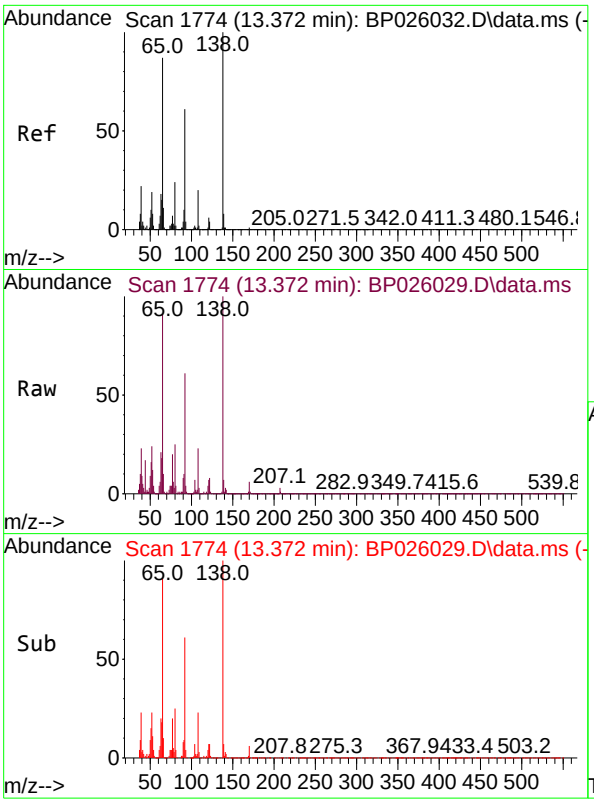


#47
2-Chloronaphthalene
Concen: 4.691 ng
RT: 13.178 min Scan# 1741
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:162 Resp: 261657

Ion	Ratio	Lower	Upper
162	100		
127	37.3	31.4	47.2
164	33.8	25.9	38.9



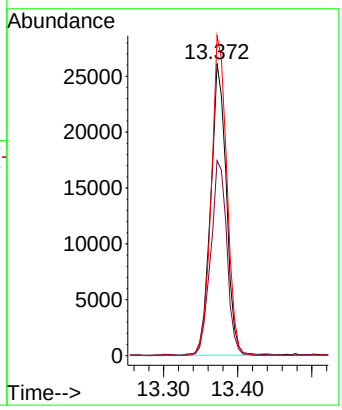


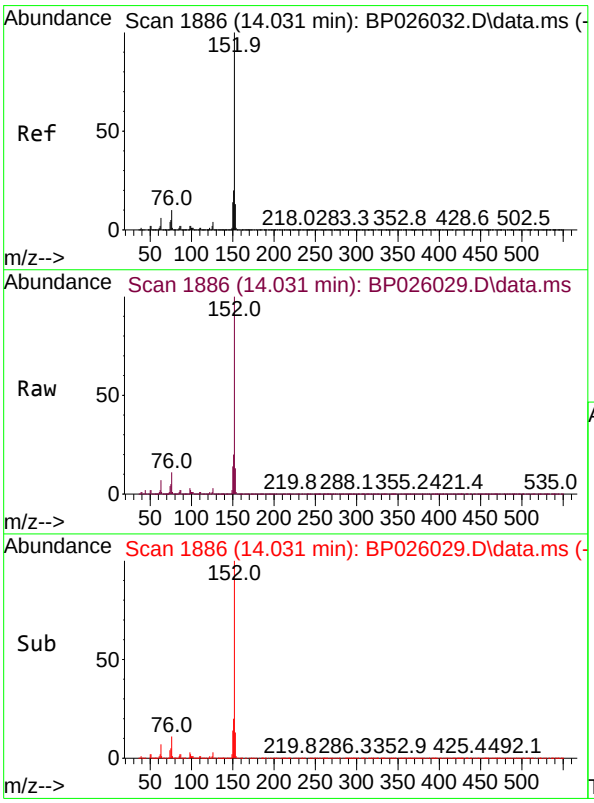
#48
2-Nitroaniline
Concen: 5.289 ng
RT: 13.372 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 38315

Ion	Ratio	Lower	Upper
65	100		
92	66.7	55.5	83.3
138	109.5	91.7	137.5

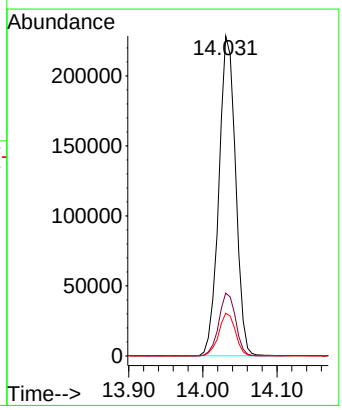


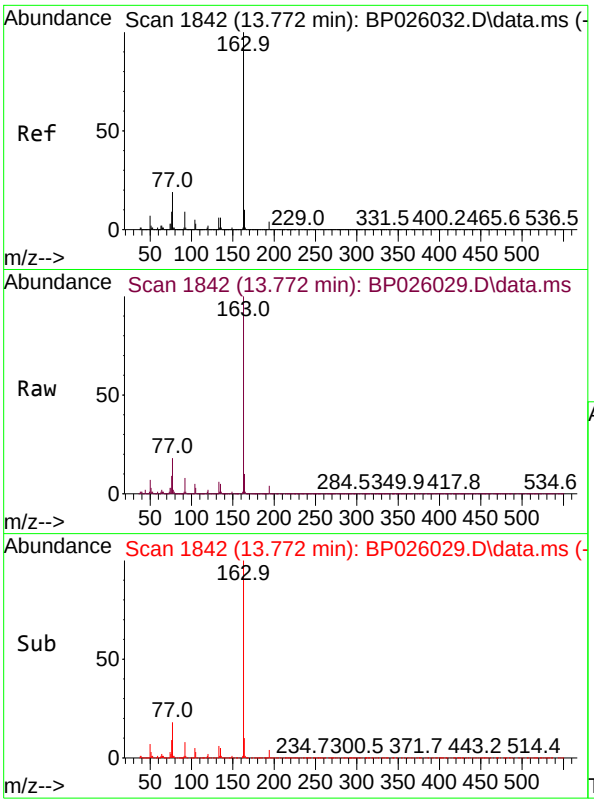


#49
Acenaphthylene
Concen: 4.405 ng
RT: 14.031 min Scan# 1886
Delta R.T. -0.005 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:152 Resp: 358129

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.3	10.6	16.0



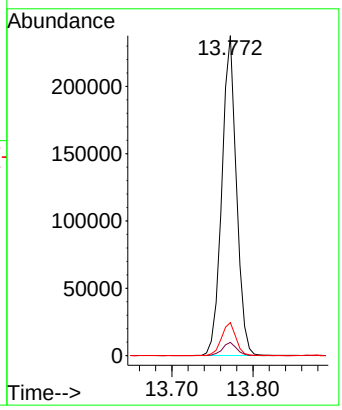


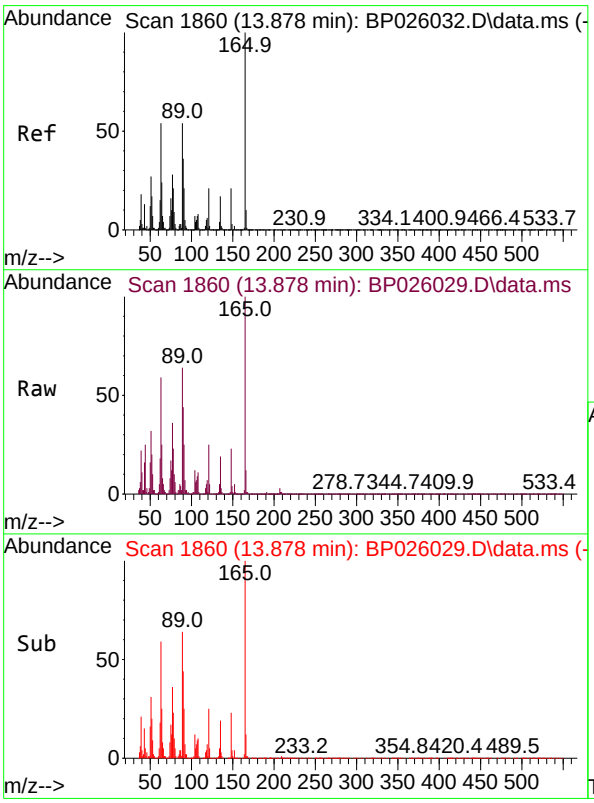
#50
Dimethylphthalate
Concen: 4.405 ng
RT: 13.772 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 296661

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.3	8.2	12.2

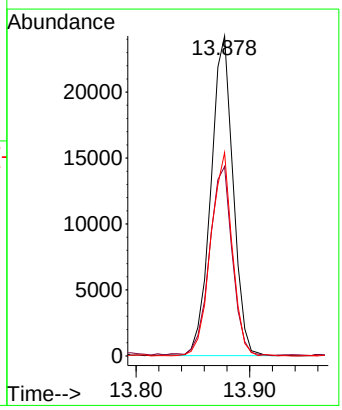


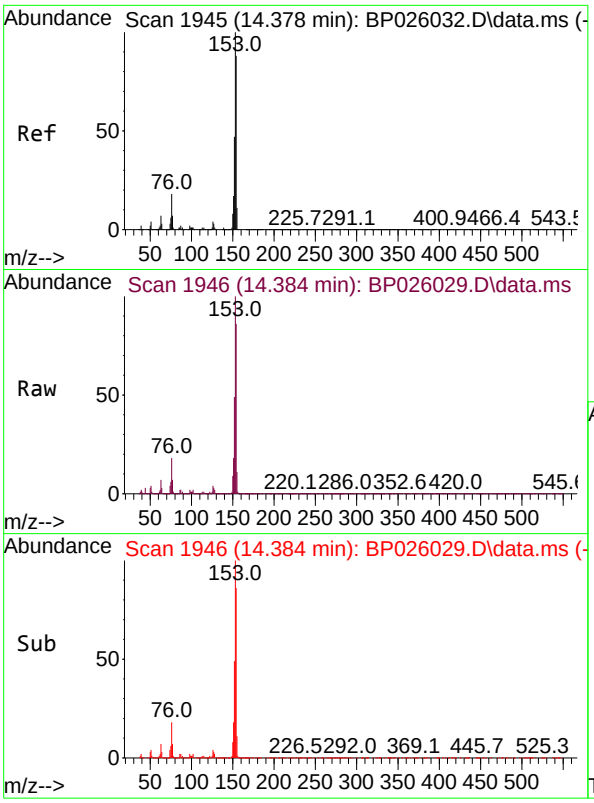


#51
2,6-Dinitrotoluene
Concen: 5.334 ng
RT: 13.878 min Scan# 1860
Delta R.T. -0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:165 Resp: 32784

Ion	Ratio	Lower	Upper
165	100		
63	59.2	43.0	64.4
89	63.6	43.0	64.4



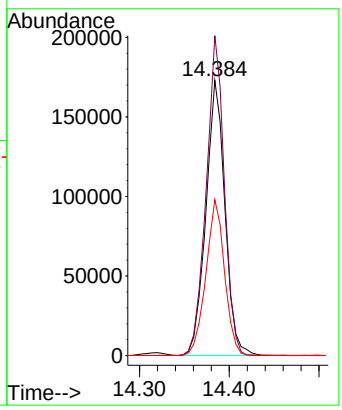


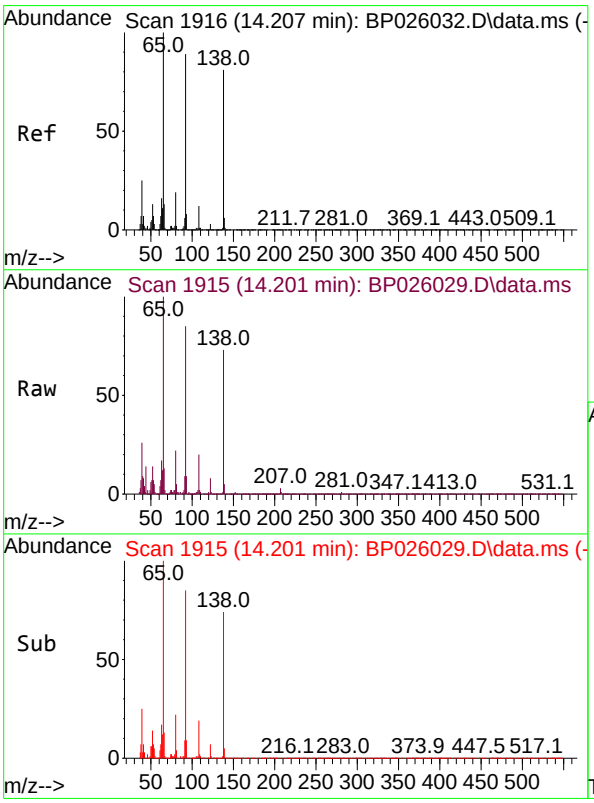
#52
Acenaphthene
Concen: 4.564 ng
RT: 14.384 min Scan# 19
Delta R.T. 0.001 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 254758

Ion	Ratio	Lower	Upper
154	100		
153	116.3	91.0	136.4
152	56.7	42.7	64.1

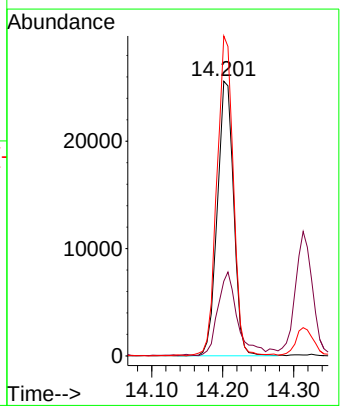


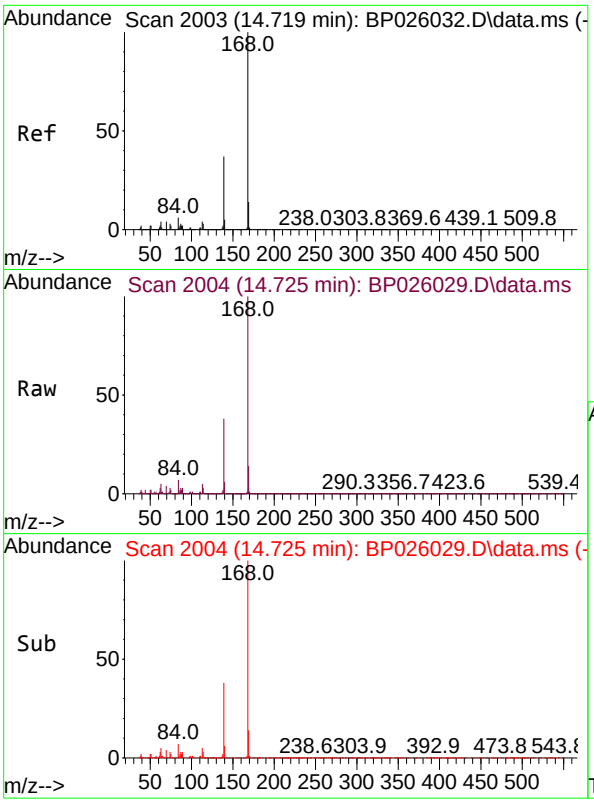


#53
3-Nitroaniline
Concen: 5.191 ng
RT: 14.201 min Scan# 1915
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:138 Resp: 40998

Ion	Ratio	Lower	Upper
138	100		
108	27.2	11.4	17.0#
92	116.5	87.1	130.7



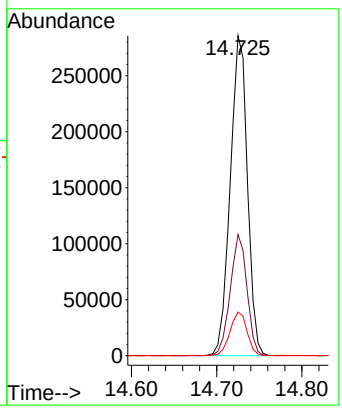


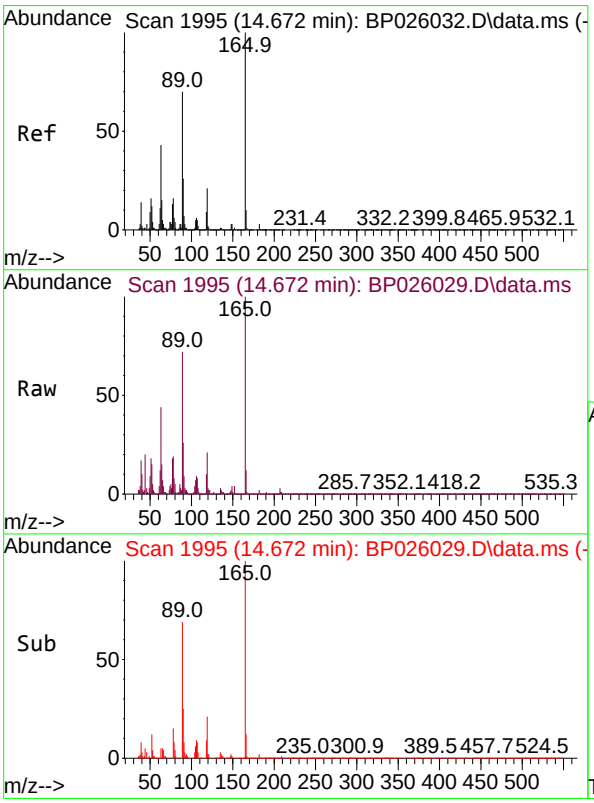
#55
Dibenzofuran
Concen: 4.735 ng
RT: 14.725 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 399319

Ion	Ratio	Lower	Upper
168	100		
139	37.8	29.7	44.5
169	13.6	11.0	16.4

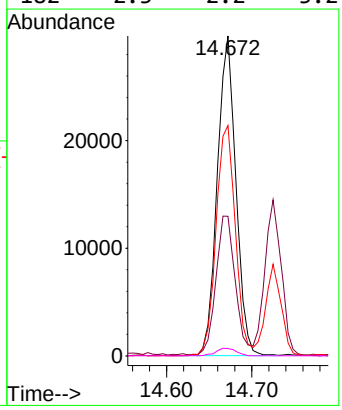


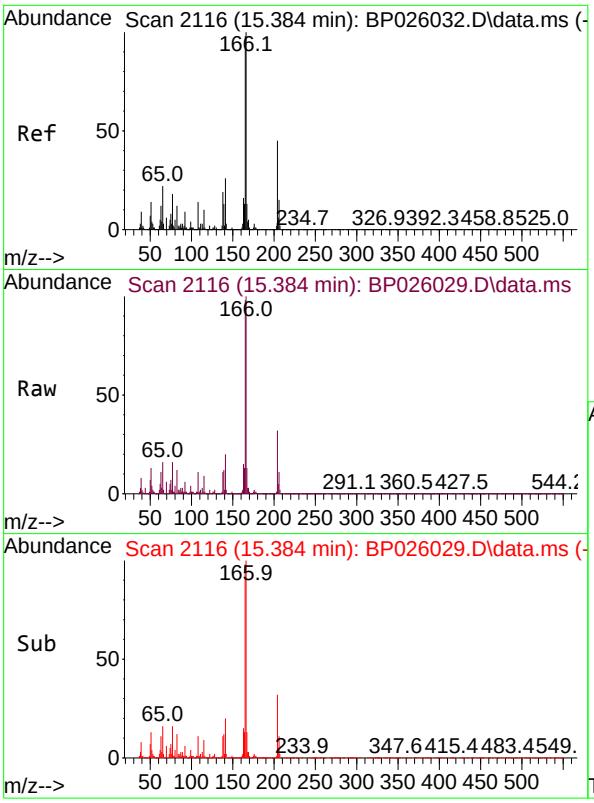


#57
2,4-Dinitrotoluene
Concen: 5.098 ng
RT: 14.672 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:165 Resp: 45113

Ion	Ratio	Lower	Upper
165	100		
63	43.6	34.2	51.2
89	72.0	56.0	84.0
182	2.3	2.2	3.2



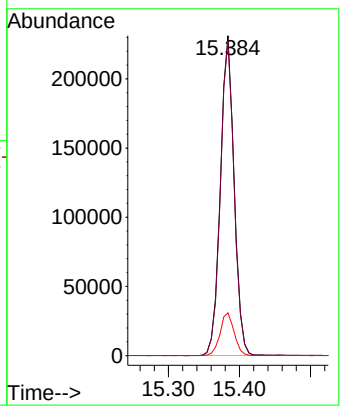


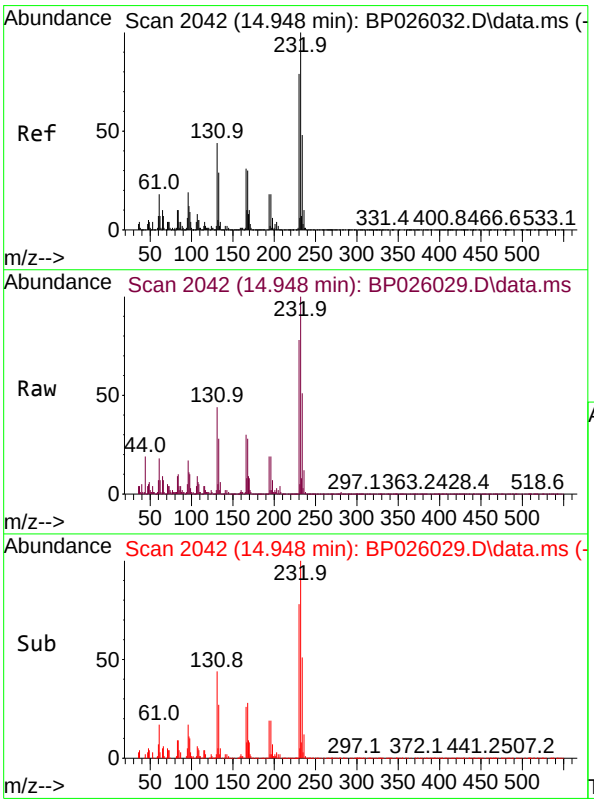
#58
Fluorene
Concen: 4.718 ng
RT: 15.384 min Scan# 21
Delta R.T. 0.001 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 311704

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.1	117.1
167	13.4	10.6	16.0

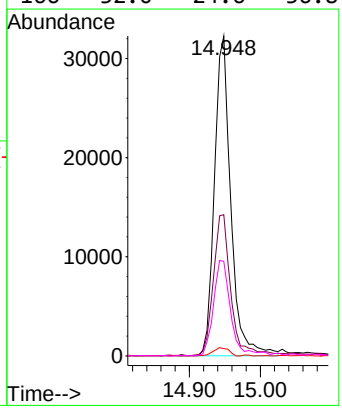


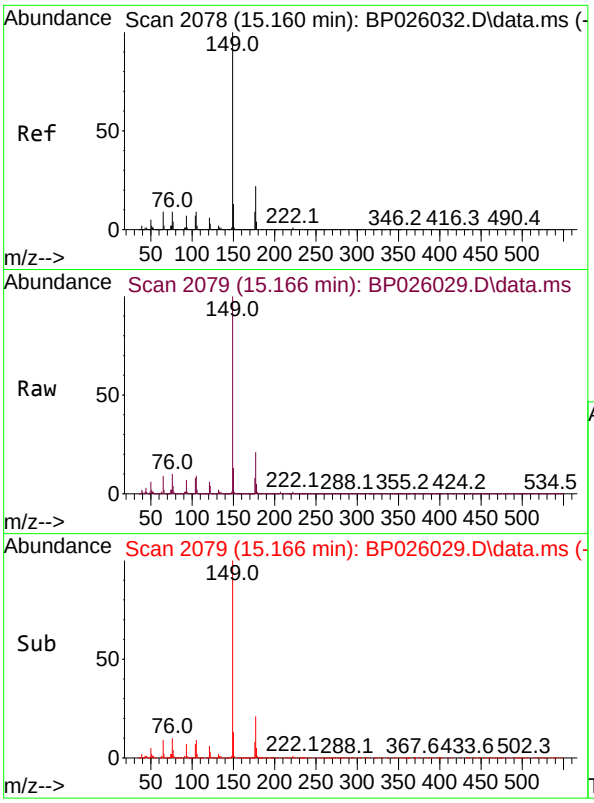


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.387 ng
RT: 14.948 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:232 Resp: 51676

Ion	Ratio	Lower	Upper
232	100		
131	47.0	35.2	52.8
130	2.5	1.7	2.5
166	32.0	24.6	36.8



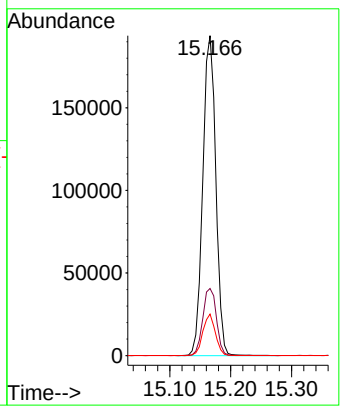


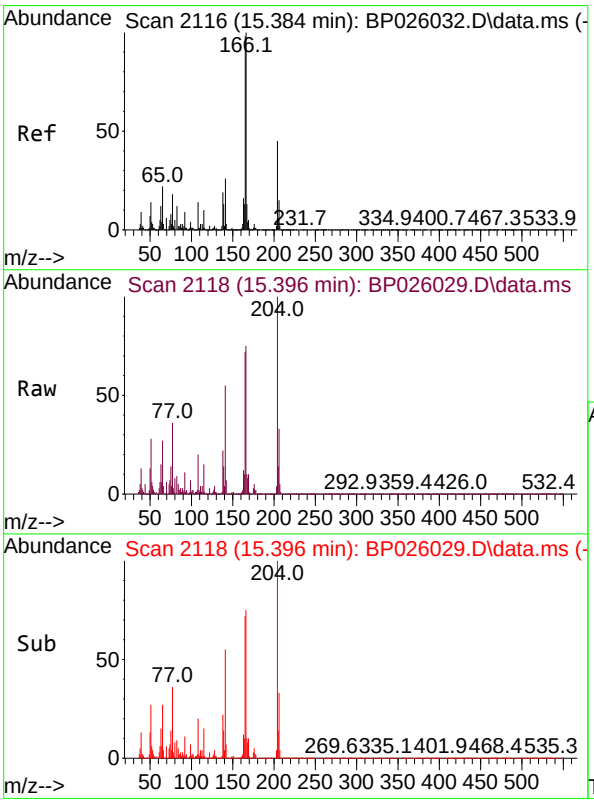
#60
Diethylphthalate
Concen: 4.240 ng
RT: 15.166 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 287071

Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.9	26.9
150	13.0	10.1	15.1

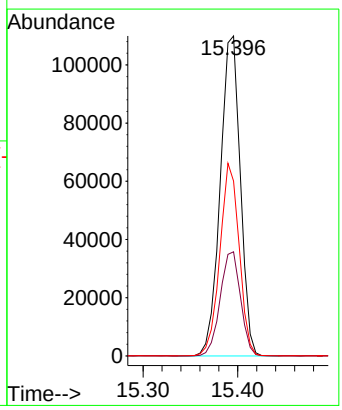


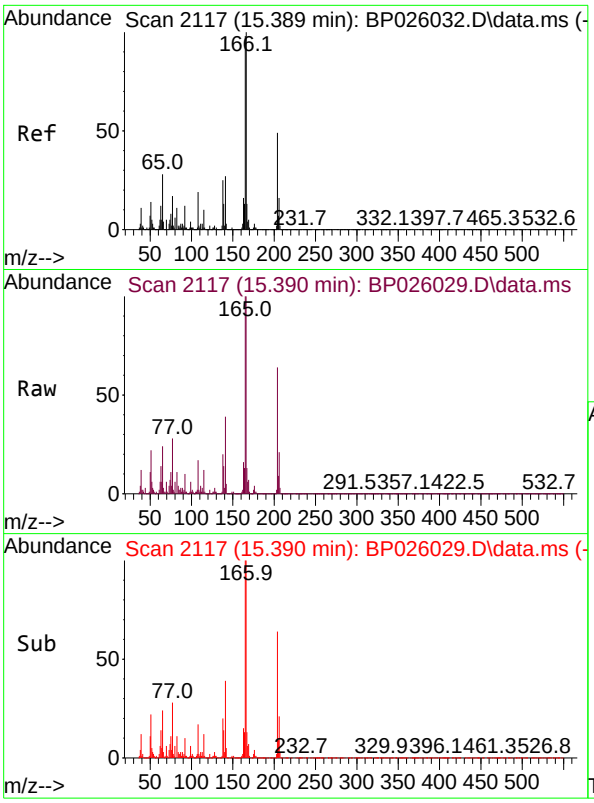


#61
4-Chlorophenyl-phenylether
Concen: 4.907 ng
RT: 15.396 min Scan# 2118
Delta R.T. 0.007 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:204 Resp: 161882

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.2
141	54.6	47.0	70.4



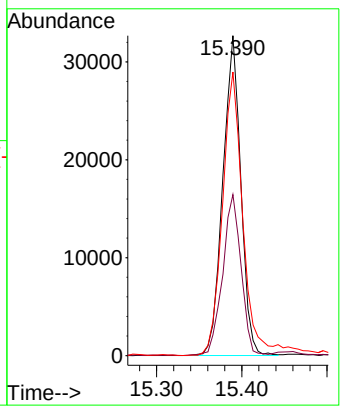


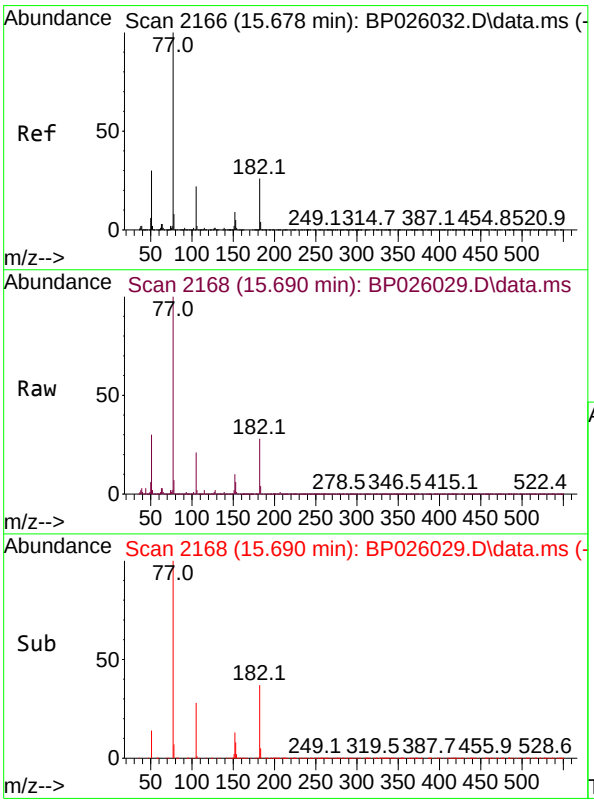
#62
4-Nitroaniline
Concen: 3.327 ng
RT: 15.390 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 47887

Ion	Ratio	Lower	Upper
138	100		
92	50.3	28.2	68.2
108	88.6	56.0	96.0

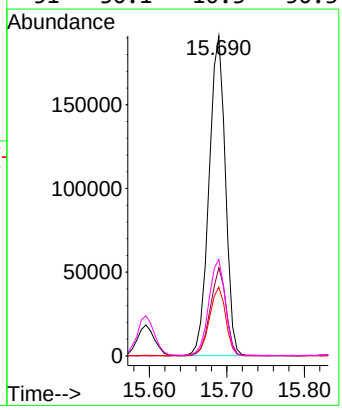


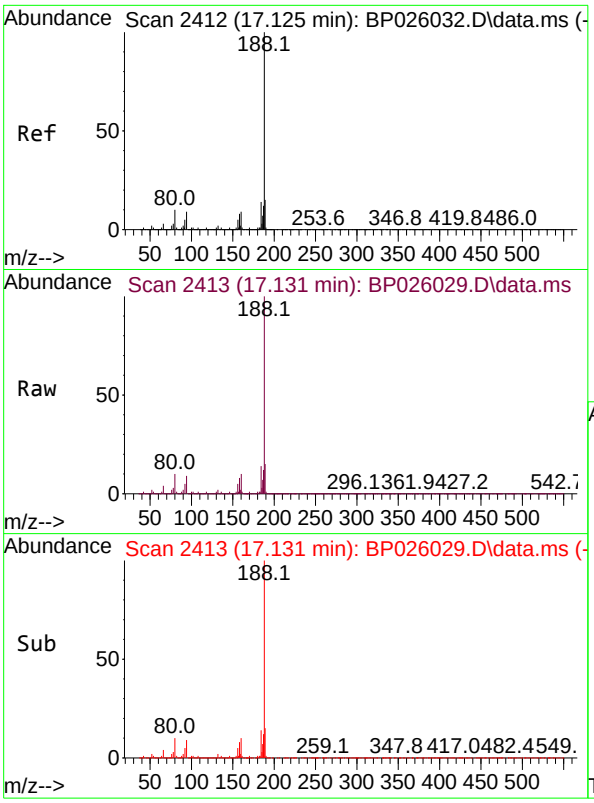


#63
Azobenzene
Concen: 4.550 ng
RT: 15.690 min Scan# 2168
Delta R.T. 0.001 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 77 Resp: 279169

Ion	Ratio	Lower	Upper
77	100		
182	27.5	6.4	46.4
105	21.5	2.2	42.2
51	30.1	10.3	50.3



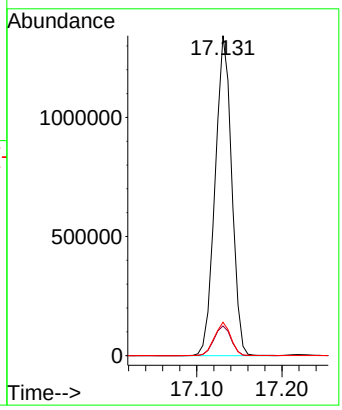


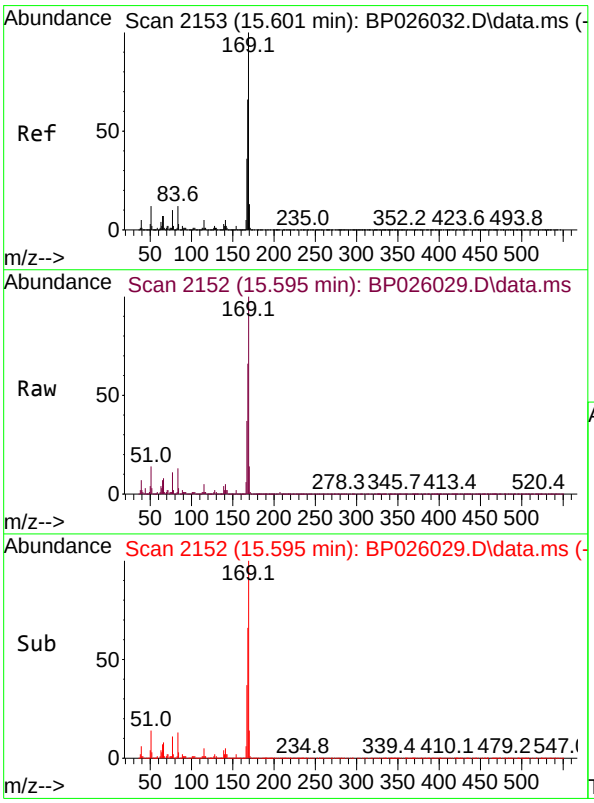
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.131 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 1817309

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.1	10.7
80	10.4	7.9	11.9

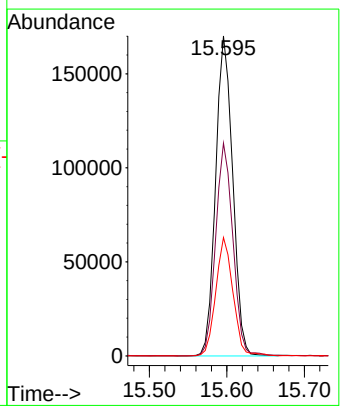


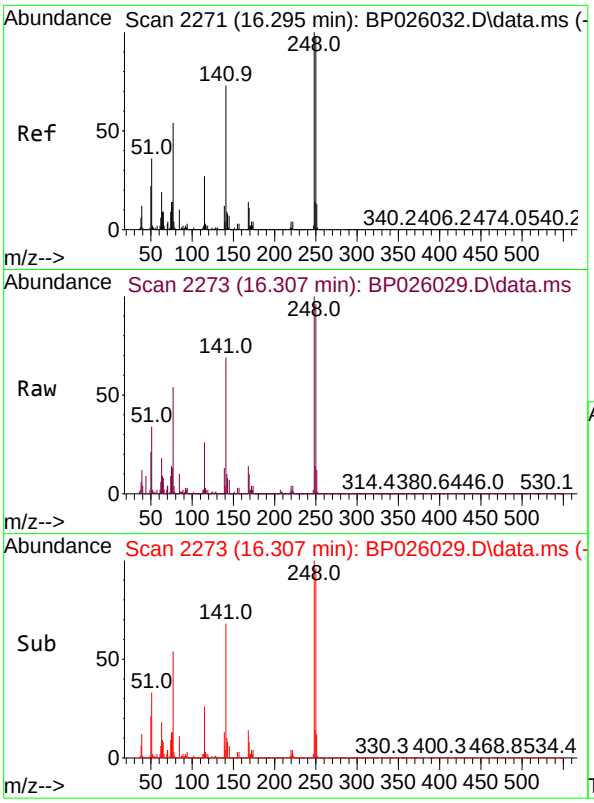


#66
n-Nitrosodiphenylamine
Concen: 4.589 ng
RT: 15.595 min Scan# 2152
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:169 Resp: 260751

Ion	Ratio	Lower	Upper
169	100		
168	66.5	52.9	79.3
167	37.0	28.9	43.3



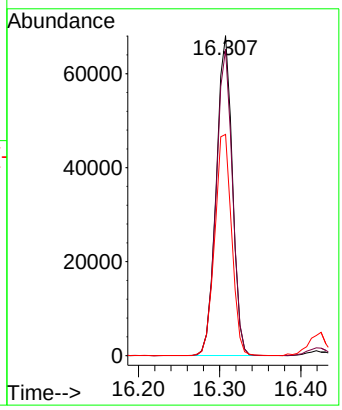


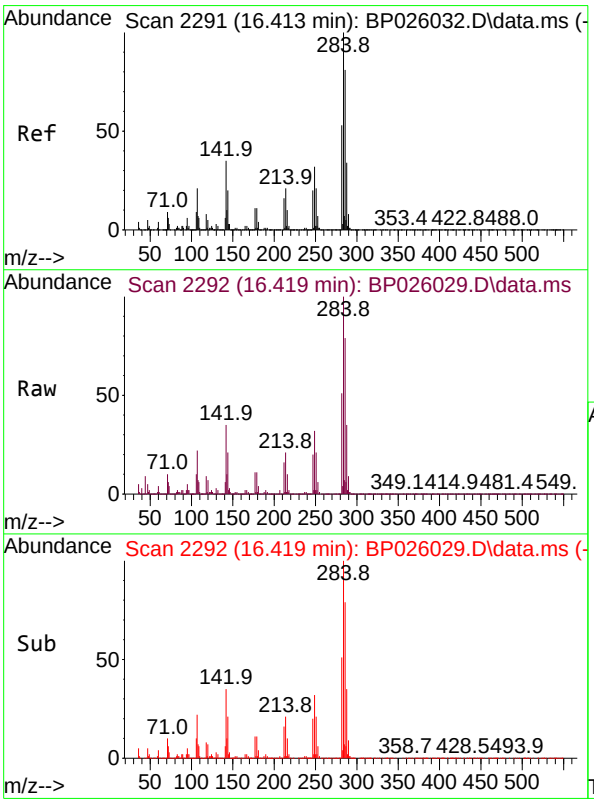
#67
4-Bromophenyl-phenylether
Concen: 4.650 ng
RT: 16.307 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 93744

Ion	Ratio	Lower	Upper
248	100		
250	95.7	78.4	117.6
141	69.1	58.3	87.5

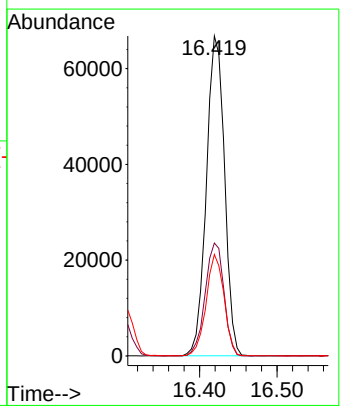


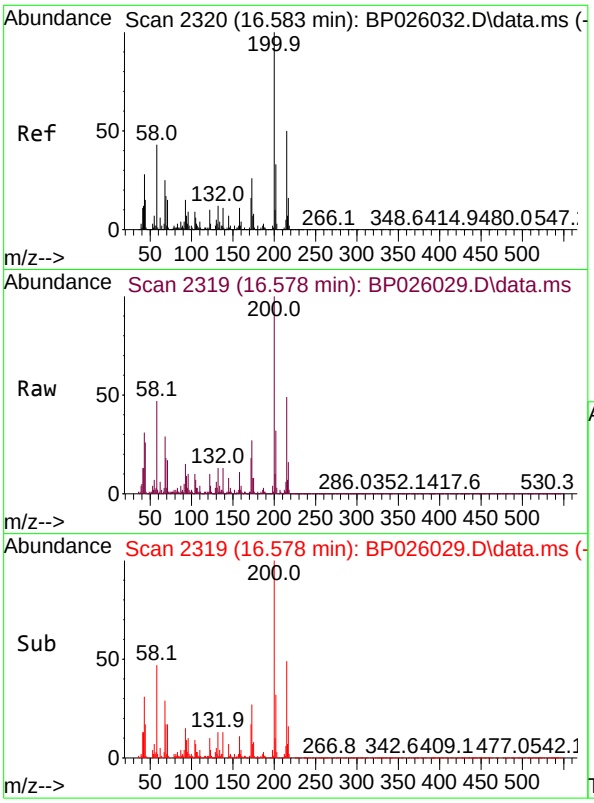


#68
Hexachlorobenzene
Concen: 4.741 ng
RT: 16.419 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:284 Resp: 108797

Ion	Ratio	Lower	Upper
284	100		
142	35.3	27.7	41.5
249	31.7	25.5	38.3



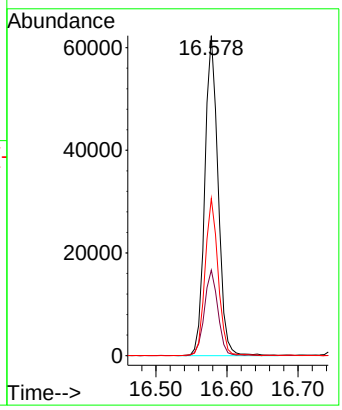


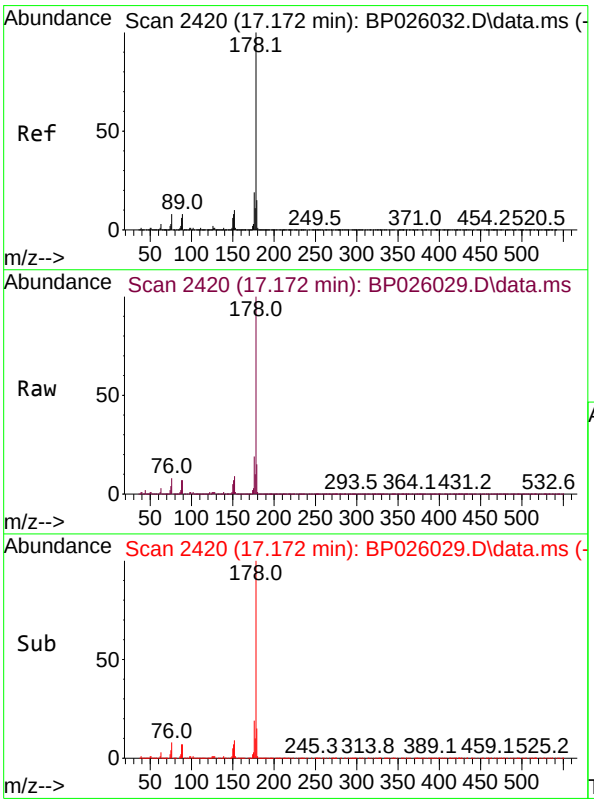
#69
Atrazine
Concen: 4.192 ng
RT: 16.578 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 80346

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.2	46.2
215	49.1	29.8	69.8

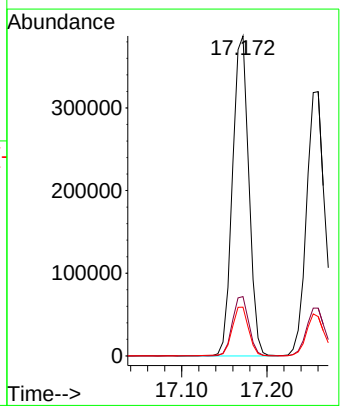


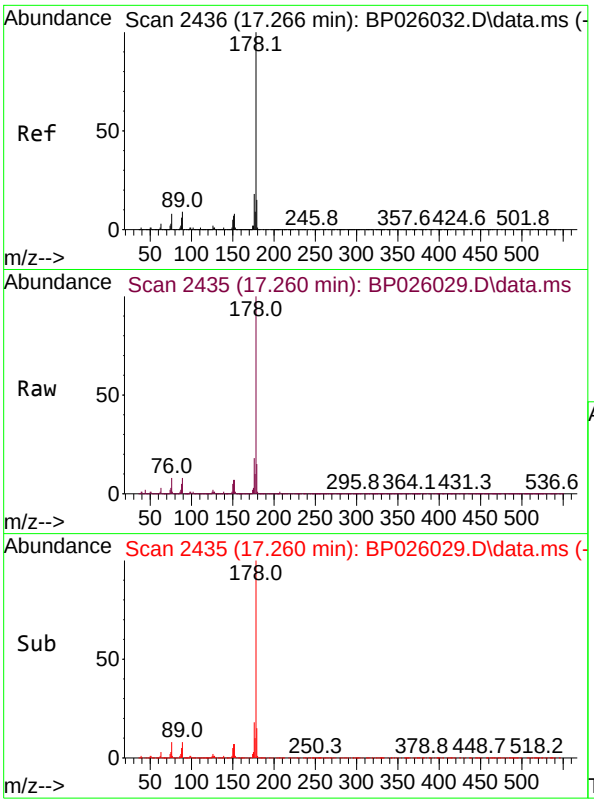


#71
Phenanthrene
Concen: 4.865 ng
RT: 17.172 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:178 Resp: 514616

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.2	12.3	18.5



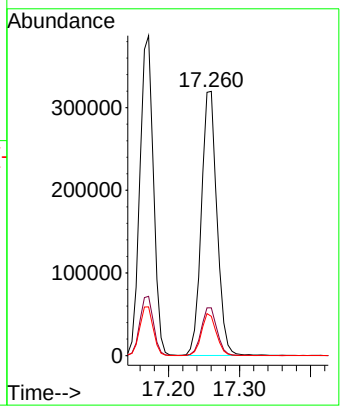


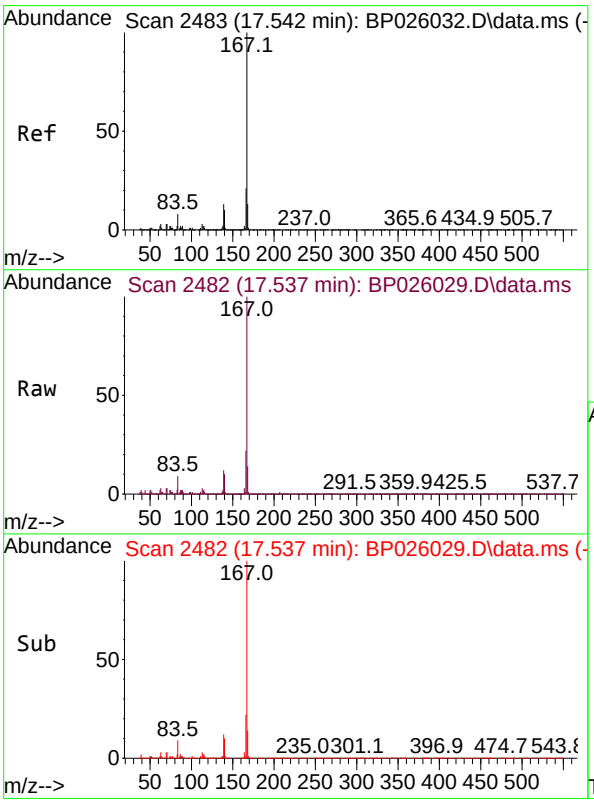
#72
Anthracene
Concen: 4.609 ng
RT: 17.260 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 483312

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	14.9	12.2	18.4

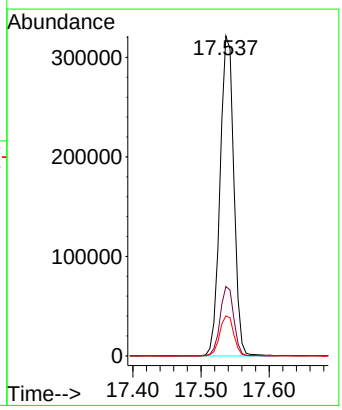


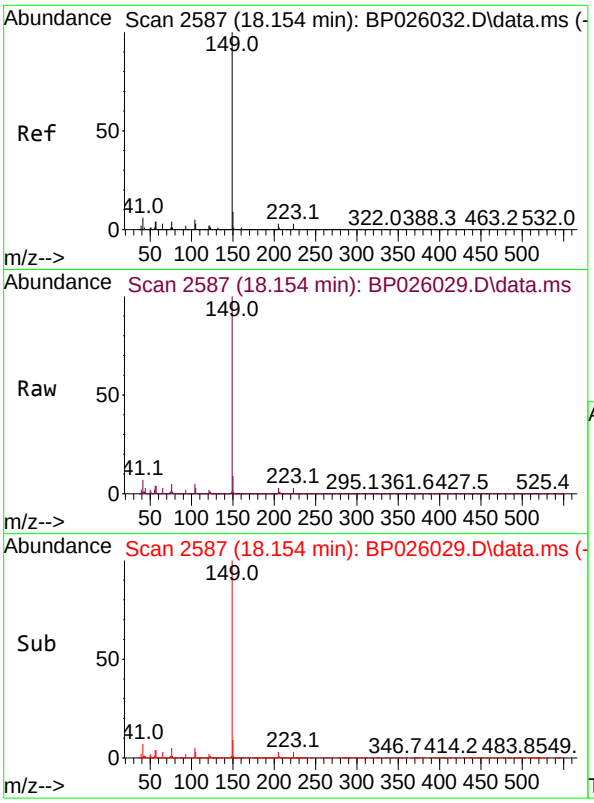


#73
Carbazole
Concen: 4.511 ng
RT: 17.537 min Scan# 2482
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:167 Resp: 447699

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	12.5	10.2	15.2



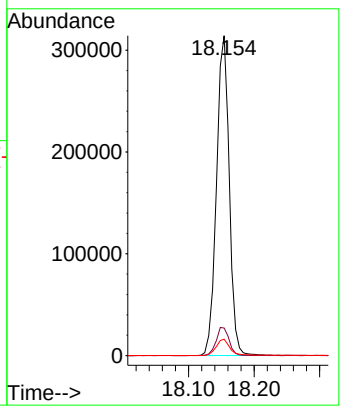


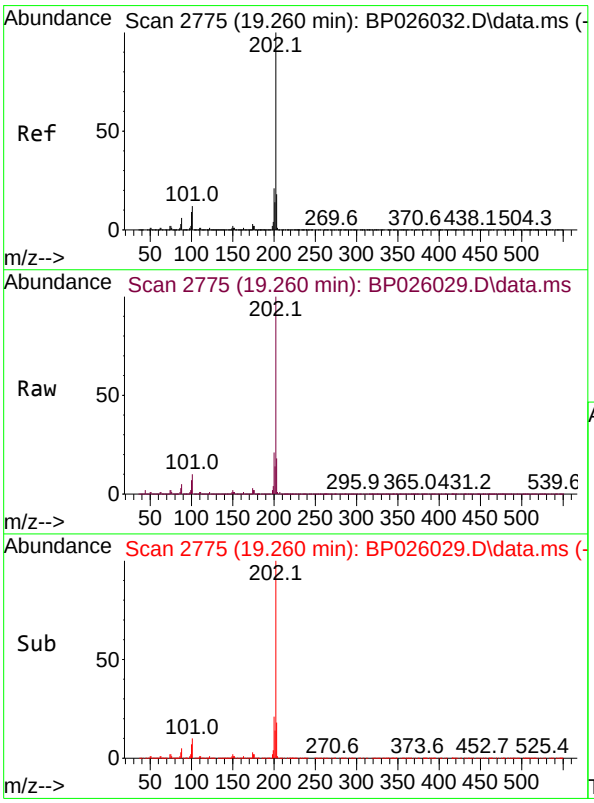
#74
Di-n-butylphthalate
Concen: 3.833 ng
RT: 18.154 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 425656

Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.3	10.9
104	5.2	3.8	5.6

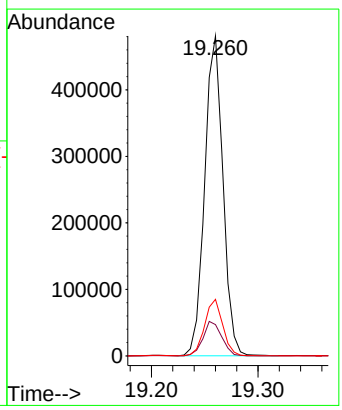


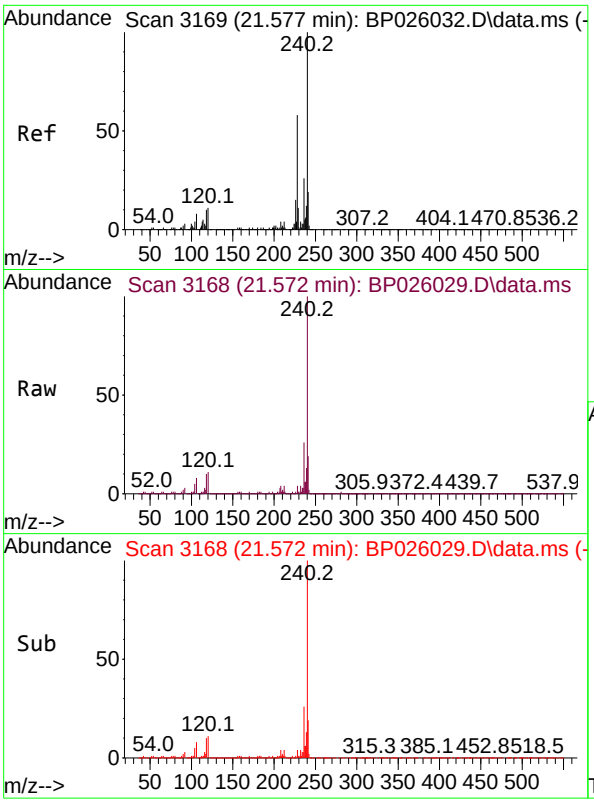


#75
Fluoranthene
Concen: 4.636 ng
RT: 19.260 min Scan# 2775
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:202 Resp: 572045

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	32.1
203	17.7	0.0	37.6



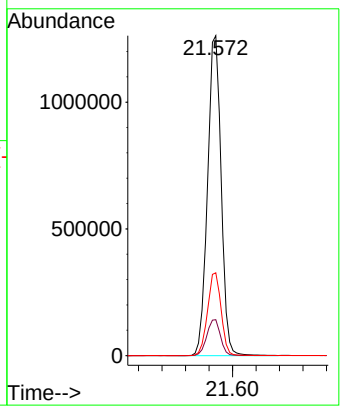


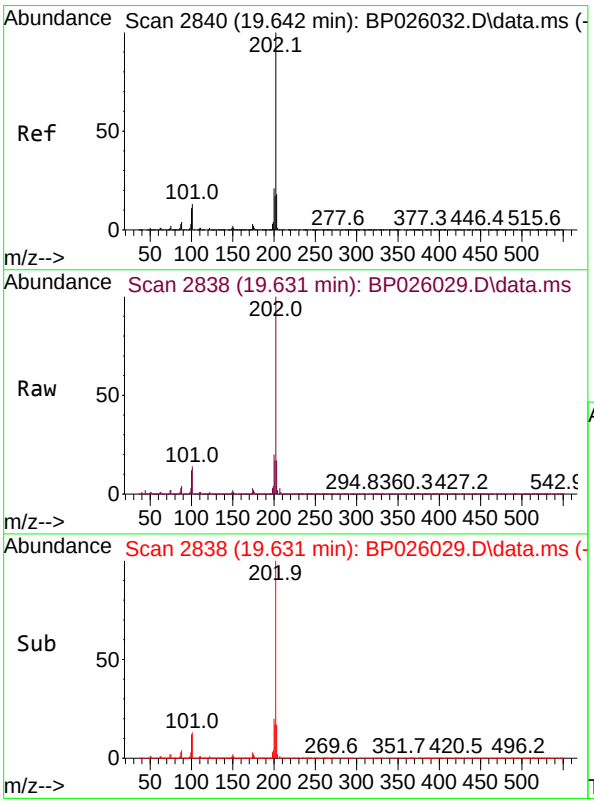
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 2025692

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	25.9	20.6	31.0

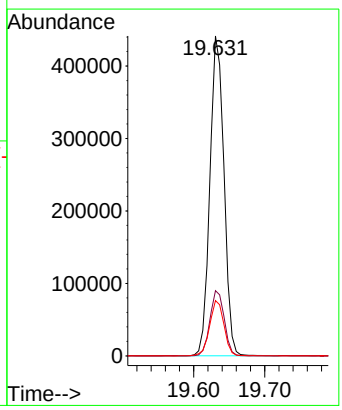


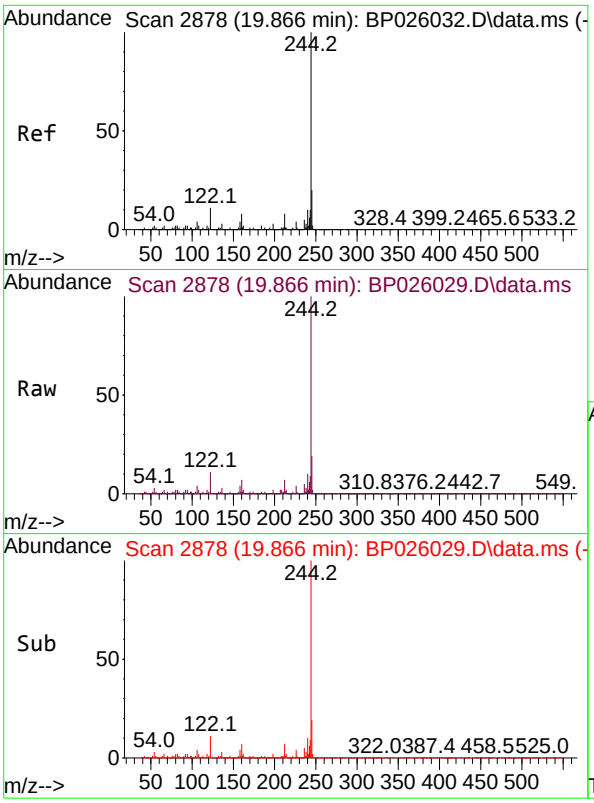


#78
Pyrene
Concen: 4.441 ng
RT: 19.631 min Scan# 2838
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:202 Resp: 608386

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	25.0
203	17.3	14.0	21.0



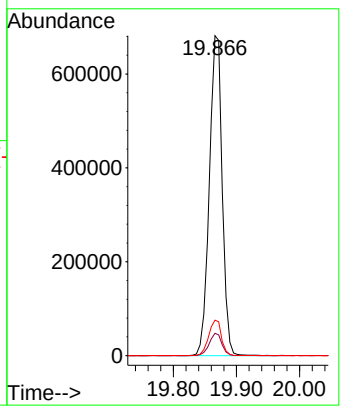


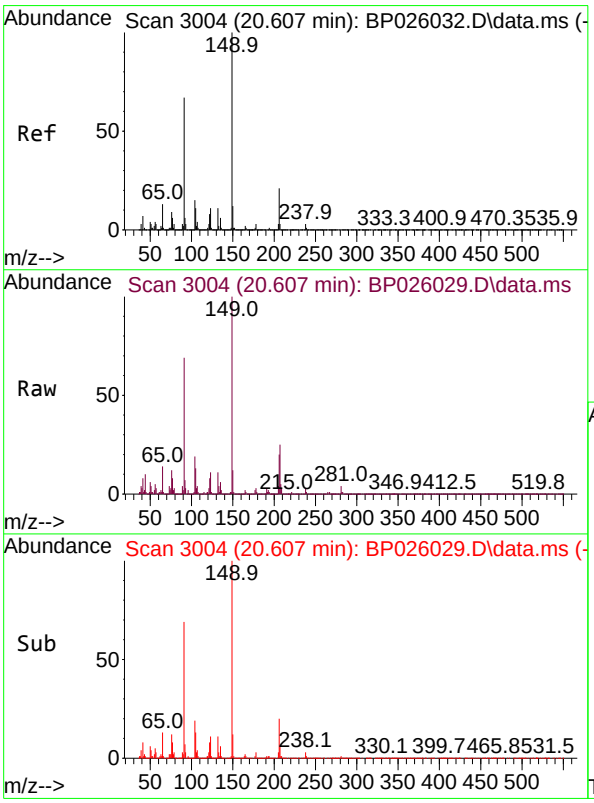
#79
Terphenyl-d14
Concen: 9.677 ng
RT: 19.866 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 964860

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	11.1	9.0	13.6

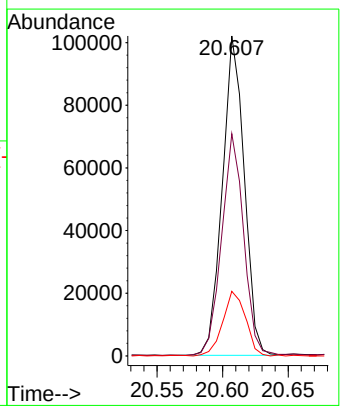


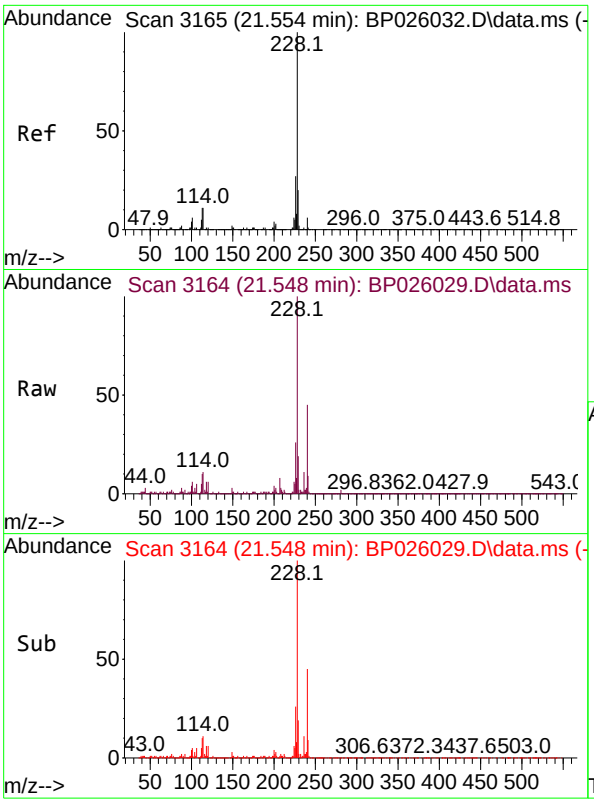


#80
Butylbenzylphthalate
Concen: 5.554 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:149 Resp: 118757

Ion	Ratio	Lower	Upper
149	100		
91	69.4	53.5	80.3
206	20.2	16.6	25.0



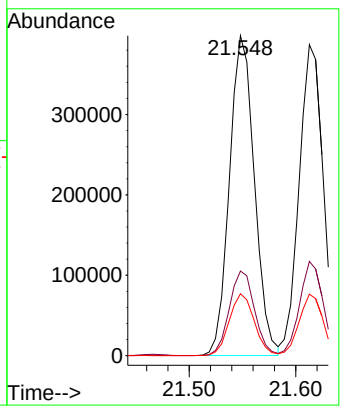


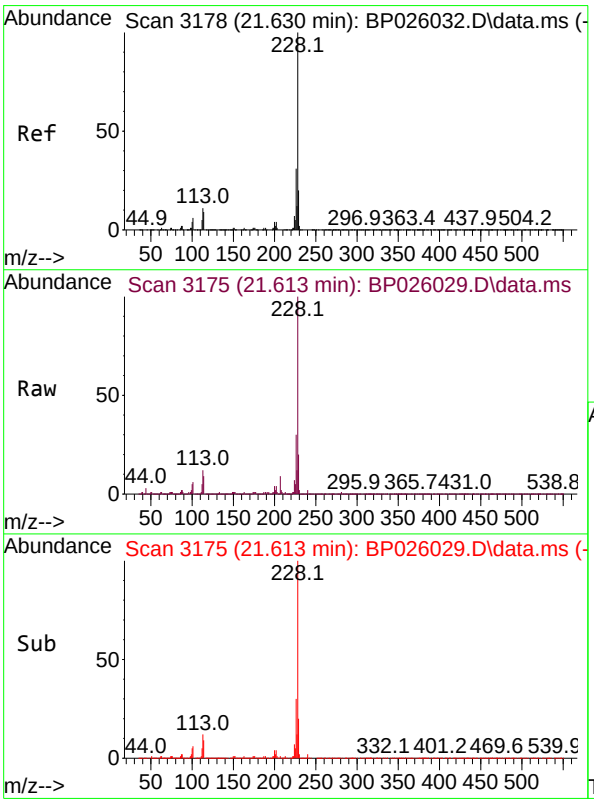
#81
Benzo(a)anthracene
Concen: 4.653 ng
RT: 21.548 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 647742

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.7	32.5
229	19.3	15.8	23.8

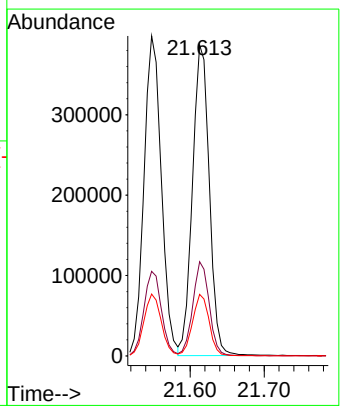


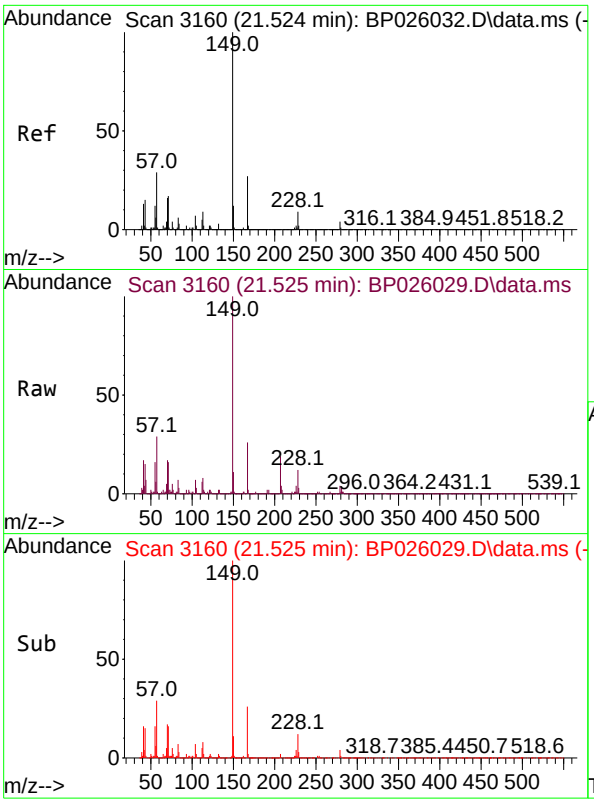


#83
Chrysene
Concen: 4.647 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:228 Resp: 612715

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	19.8	16.0	24.0



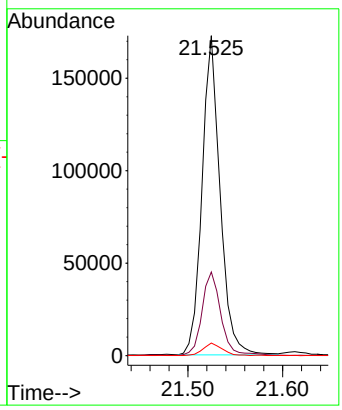


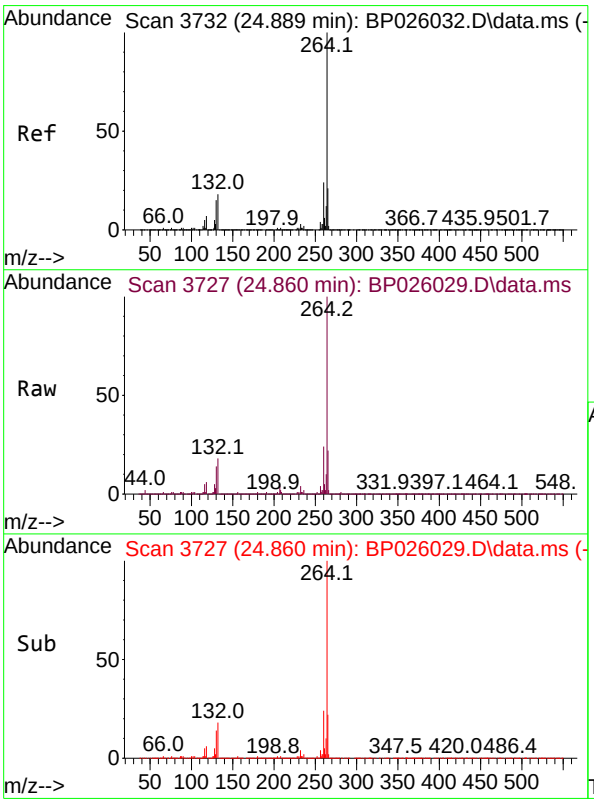
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.327 ng
RT: 21.525 min Scan# 31
Delta R.T. 0.007 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 229182

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.5	32.3
279	3.9	3.0	4.6

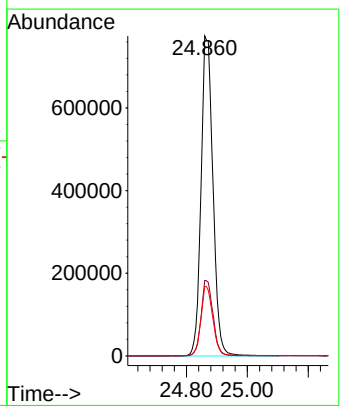


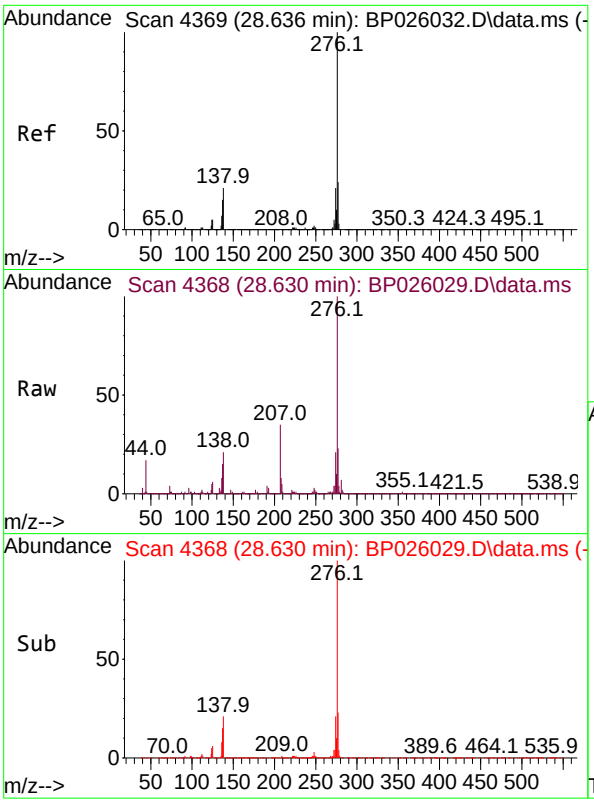


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.860 min Scan# 3727
Delta R.T. -0.023 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:264 Resp: 2104784

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.7	17.2	25.8



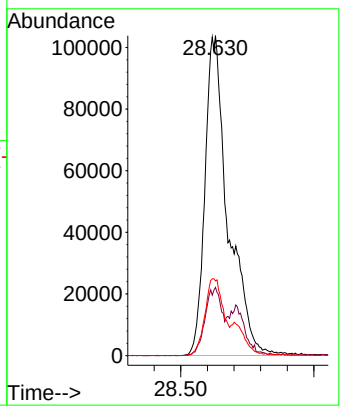


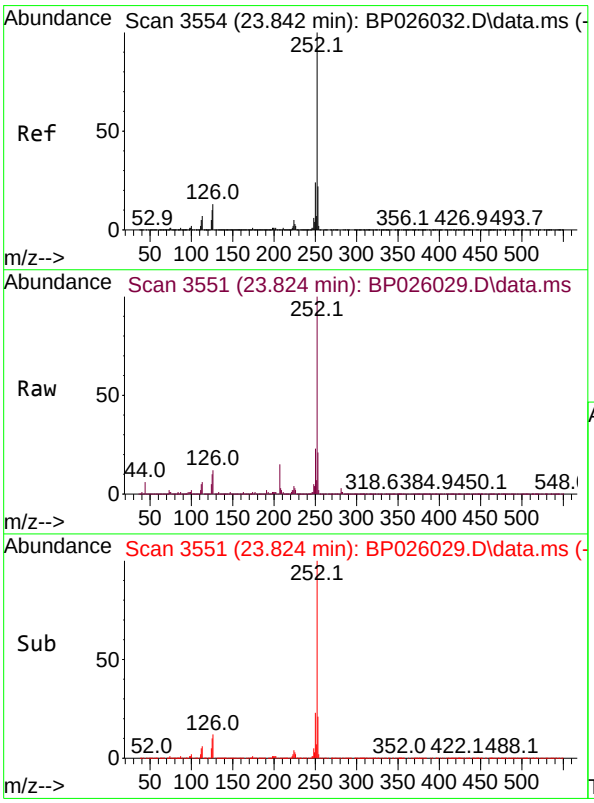
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.030 ng
RT: 28.630 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 626036

Ion	Ratio	Lower	Upper
276	100		
138	15.3	13.2	19.8
277	19.2	16.3	24.5

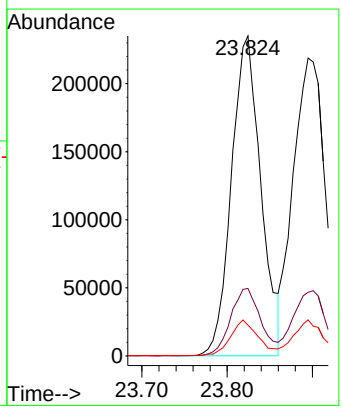


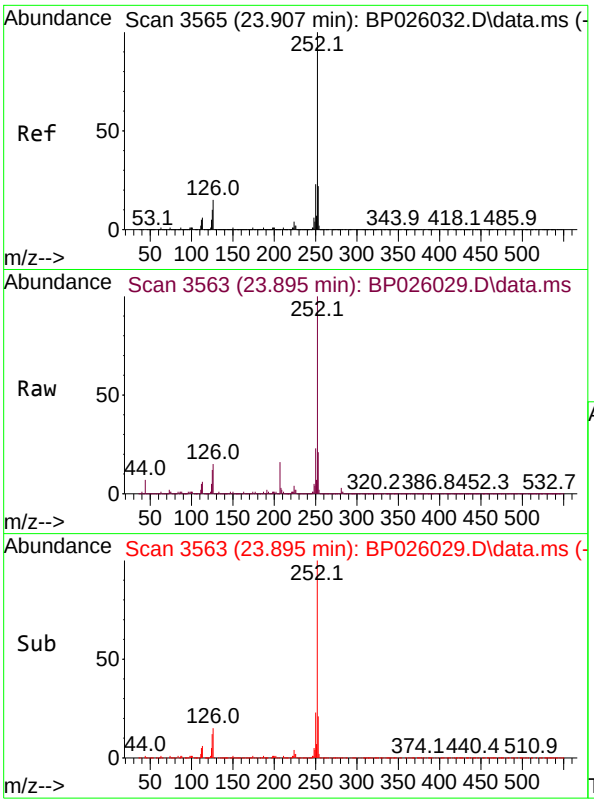


#88
Benzo(b)fluoranthene
Concen: 4.326 ng
RT: 23.824 min Scan# 3551
Delta R.T. -0.023 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:252 Resp: 565252

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	9.7	8.1	12.1



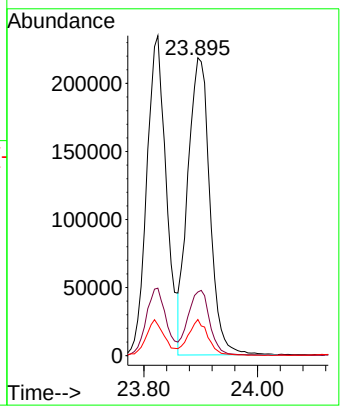


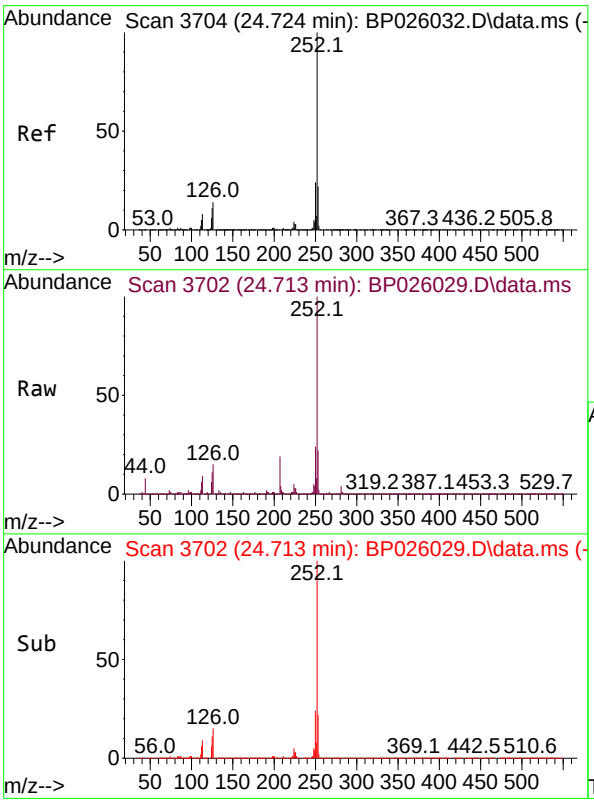
#89
Benzo(k)fluoranthene
Concen: 4.411 ng
RT: 23.895 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 588563

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	12.1	8.1	12.1

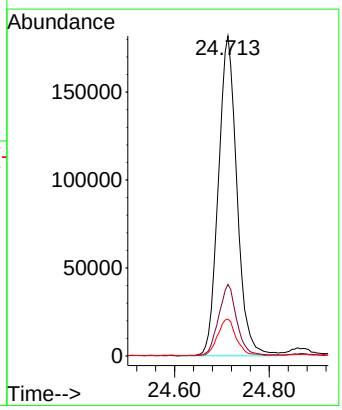


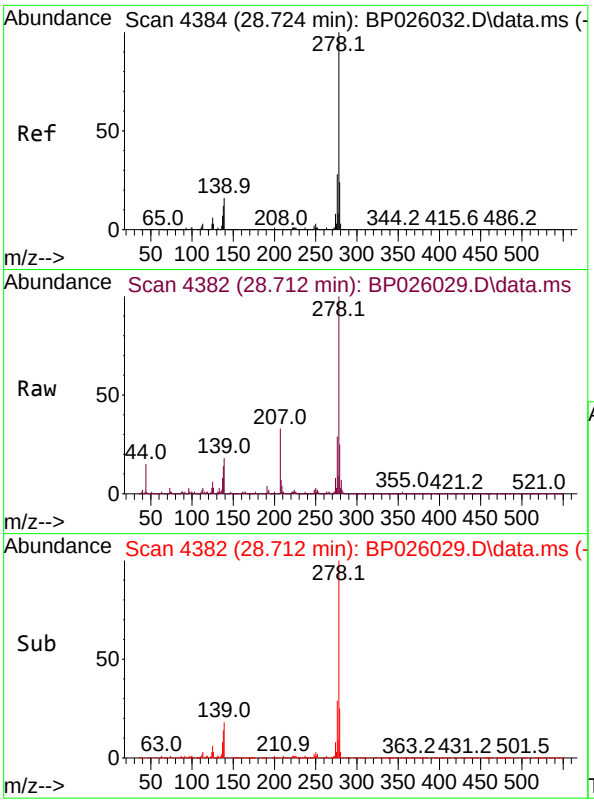


#90
Benzo(a)pyrene
Concen: 4.124 ng
RT: 24.713 min Scan# 3702
Delta R.T. -0.029 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:252 Resp: 495105

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	11.5	9.1	13.7



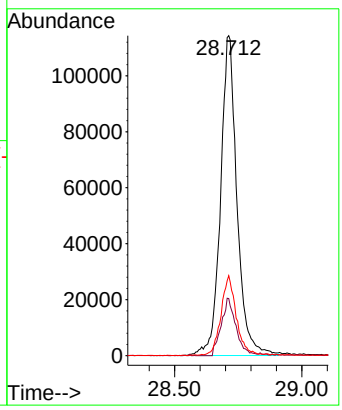


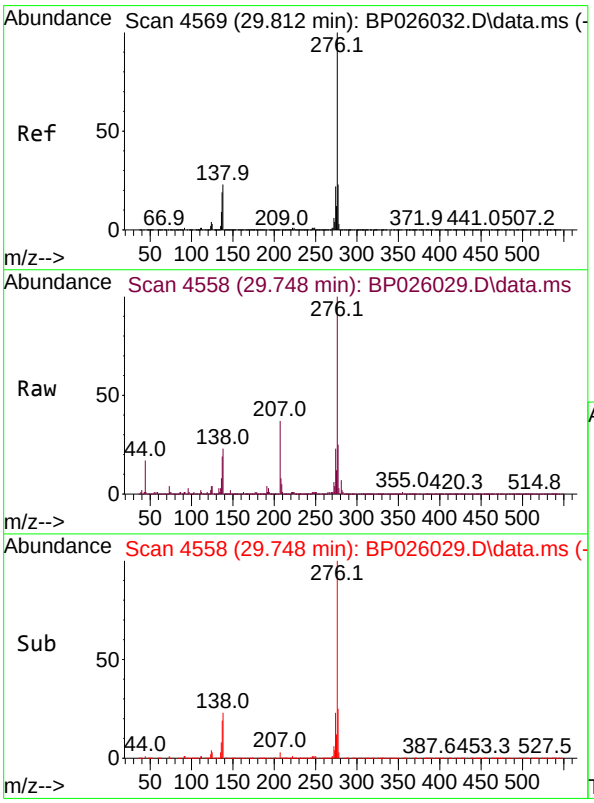
#91
Dibenzo(a,h)anthracene
Concen: 4.069 ng
RT: 28.712 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 514485

Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.0	19.6
279	25.0	18.9	28.3

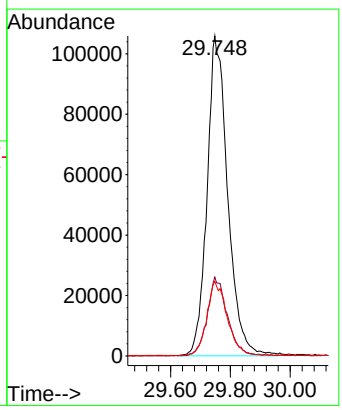




#92
Benzo(g,h,i)perylene
Concen: 4.178 ng
RT: 29.748 min Scan# 4558
Delta R.T. -0.082 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:276 Resp: 508408

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.5	27.7
138	23.3	18.1	27.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026030.D
Acq On : 29 Oct 2025 10:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 29 18:07:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	288854	20.000	ng		0.00
21) Naphthalene-d8	10.449	136	1158283	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	734566	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1497196	20.000	ng		0.00
76) Chrysene-d12	21.566	240	1590140	20.000	ng		0.00
86) Perylene-d12	24.883	264	1674719	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	362577	20.712	ng		0.00
7) Phenol-d6	6.849	99	456392	20.484	ng		0.00
23) Nitrobenzene-d5	8.819	82	367535	19.781	ng		0.00
42) 2,4,6-Tribromophenol	15.831	330	154869	19.502	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	1138070	22.262	ng		0.00
79) Terphenyl-d14	19.860	244	1788115	22.846	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.243	88	81890	11.097	ng		98
3) Pyridine	3.625	79	222154	10.590	ng		98
4) n-Nitrosodimethylamine	3.537	42	86859	10.330	ng	#	96
6) Aniline	7.013	93	311508	10.476	ng		99
8) 2-Chlorophenol	7.249	128	195513	10.086	ng		99
9) Benzaldehyde	6.831	77	123534m	10.666	ng		
10) Phenol	6.878	94	255762	10.340	ng		99
11) bis(2-Chloroethyl)ether	7.114	93	207158	10.612	ng		98
12) 1,3-Dichlorobenzene	7.578	146	239783	10.771	ng		99
13) 1,4-Dichlorobenzene	7.719	146	242788	10.787	ng		99
14) 1,2-Dichlorobenzene	8.031	146	230430	10.729	ng		100
15) Benzyl Alcohol	7.908	79	154491	9.618	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.202	45	319172	10.818	ng		99
17) 2-Methylphenol	8.113	107	163076	10.068	ng		99
18) Hexachloroethane	8.755	117	81158	10.537	ng		96
19) n-Nitroso-di-n-propyla...	8.472	70	146354	10.582	ng		99
20) 3+4-Methylphenols	8.431	107	219610	9.746	ng		99
22) Acetophenone	8.490	105	317614	10.842	ng	#	98
24) Nitrobenzene	8.860	77	200078	10.199	ng		98
25) Isophorone	9.378	82	417831	10.506	ng		98
26) 2-Nitrophenol	9.566	139	53200	9.634	ng		96
27) 2,4-Dimethylphenol	9.625	122	177027	10.585	ng		98
28) bis(2-Chloroethoxy)met...	9.866	93	269975	10.772	ng		99
29) 2,4-Dichlorophenol	10.096	162	175015	9.911	ng		100
30) 1,2,4-Trichlorobenzene	10.313	180	209064	10.893	ng		97
31) Naphthalene	10.502	128	684226	10.833	ng		99
32) Benzoic acid	9.684	122	58000	10.150	ng		90
33) 4-Chloroaniline	10.596	127	255029	10.507	ng		100
34) Hexachlorobutadiene	10.796	225	133883	10.977	ng		99
35) Caprolactam	11.331	113	57604	9.290	ng		99
36) 4-Chloro-3-methylphenol	11.719	107	181561	9.808	ng		99
37) 2-Methylnaphthalene	12.113	142	476697	10.783	ng		99
38) 1-Methylnaphthalene	12.331	142	463905	10.801	ng		99
40) 1,2,4,5-Tetrachloroben...	12.484	216	245958	10.776	ng		100
41) Hexachlorocyclopentadiene	12.472	237	73538	8.806	ng		95
43) 2,4,6-Trichlorophenol	12.719	196	125693	9.317	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026030.D
Acq On : 29 Oct 2025 10:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:07:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.790	196	151902	9.868	ng		97
46) 1,1'-Biphenyl	13.131	154	614441	10.924	ng		99
47) 2-Chloronaphthalene	13.172	162	479020	10.824	ng		99
48) 2-Nitroaniline	13.366	65	83149	9.741	ng		92
49) Acenaphthylene	14.031	152	677627	10.506	ng		100
50) Dimethylphthalate	13.766	163	578145	10.820	ng		100
51) 2,6-Dinitrotoluene	13.878	165	71941	9.731	ng		88
52) Acenaphthene	14.384	154	471935	10.658	ng		99
53) 3-Nitroaniline	14.201	138	93292	9.962	ng	#	90
54) 2,4-Dinitrophenol	14.413	184	25388	10.017	ng	#	90
55) Dibenzofuran	14.725	168	733645	10.966	ng		99
56) 4-Nitrophenol	14.513	139	101905	9.565	ng		93
57) 2,4-Dinitrotoluene	14.678	165	105824	9.727	ng		97
58) Fluorene	15.390	166	595481	11.361	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.954	232	111275	9.194	ng		99
60) Diethylphthalate	15.166	149	576582	10.734	ng		99
61) 4-Chlorophenyl-phenyle...	15.390	204	294916	11.267	ng		98
62) 4-Nitroaniline	15.390	138	108022	9.461	ng		93
63) Azobenzene	15.690	77	541815	11.130	ng		100
65) 4,6-Dinitro-2-methylph...	15.448	198	39648	10.014	ng		94
66) n-Nitrosodiphenylamine	15.601	169	507903	10.850	ng		99
67) 4-Bromophenyl-phenylether	16.301	248	175158	10.547	ng		96
68) Hexachlorobenzene	16.419	284	204634	10.824	ng		97
69) Atrazine	16.578	200	159536	10.103	ng		99
70) Pentachlorophenol	16.766	266	94142	8.152	ng		97
71) Phenanthrene	17.166	178	964196	11.064	ng		99
72) Anthracene	17.260	178	945078	10.941	ng		100
73) Carbazole	17.536	167	877310	10.729	ng		100
74) Di-n-butylphthalate	18.154	149	912617	9.974	ng		100
75) Fluoranthene	19.254	202	1100035	10.821	ng		99
77) Benzidine	19.454	184	327160	8.106	ng		99
78) Pyrene	19.630	202	1182711	10.997	ng		99
80) Butylbenzylphthalate	20.607	149	267569	9.589	ng		98
81) Benzo(a)anthracene	21.542	228	1190374	10.894	ng		100
82) 3,3'-Dichlorobenzidine	21.472	252	310231	8.812	ng		99
83) Chrysene	21.607	228	1132388	10.940	ng		98
84) Bis(2-ethylhexyl)phtha...	21.525	149	487334	9.805	ng		100
85) Di-n-octyl phthalate	22.795	149	653399	6.903	ng		96
87) Indeno(1,2,3-cd)pyrene	28.618	276	1244503m	10.070	ng		
88) Benzo(b)fluoranthene	23.830	252	1069169	10.284	ng		99
89) Benzo(k)fluoranthene	23.901	252	1143258	10.769	ng		100
90) Benzo(a)pyrene	24.724	252	978750	10.247	ng		99
91) Dibenzo(a,h)anthracene	28.712	278	1020484	10.142	ng		99
92) Benzo(g,h,i)perylene	29.777	276	977235	10.093	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

ICAL Form

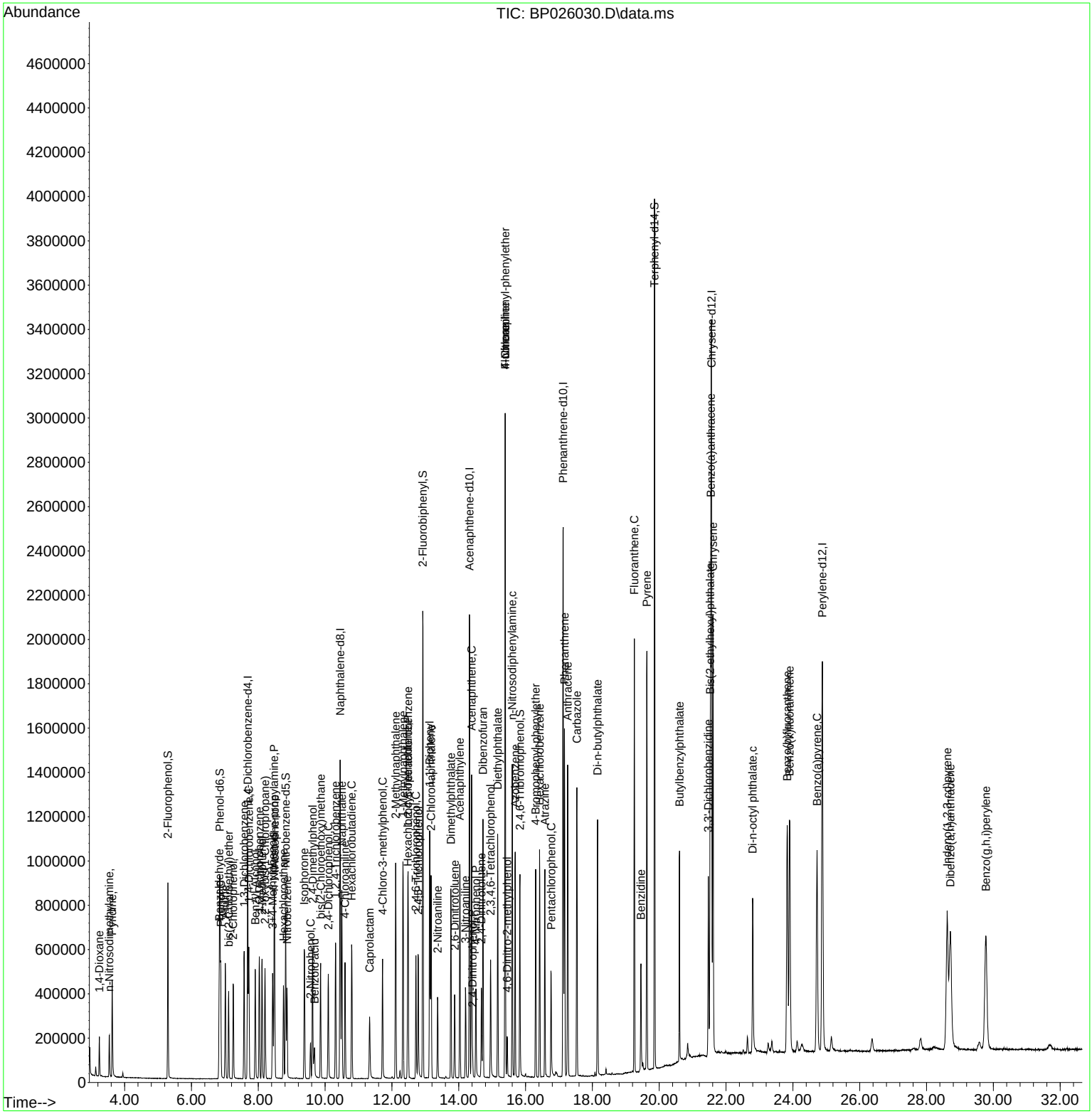
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026030.D
Acq On : 29 Oct 2025 10:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

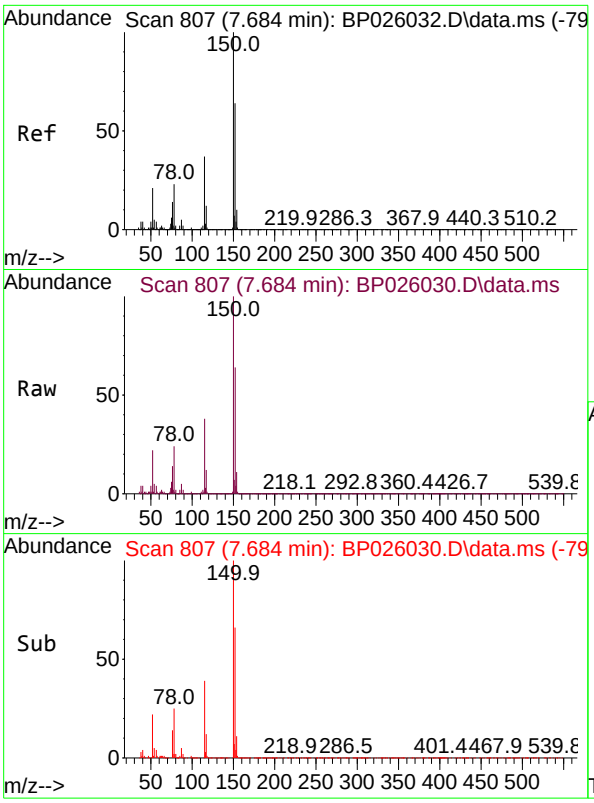
Quant Time: Oct 29 18:07:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

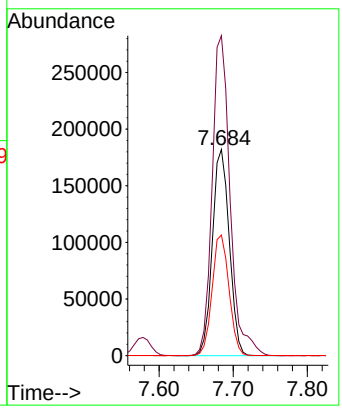
Tgt Ion:152 Resp: 288854

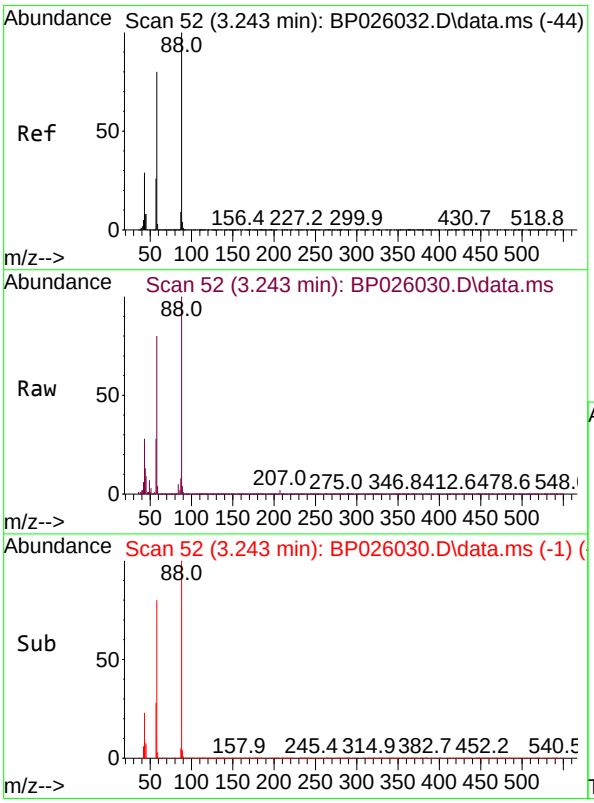
Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.7	188.5
115	58.4	46.4	69.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

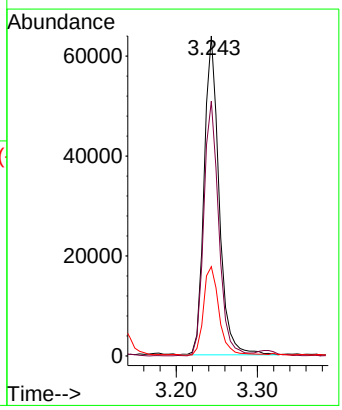


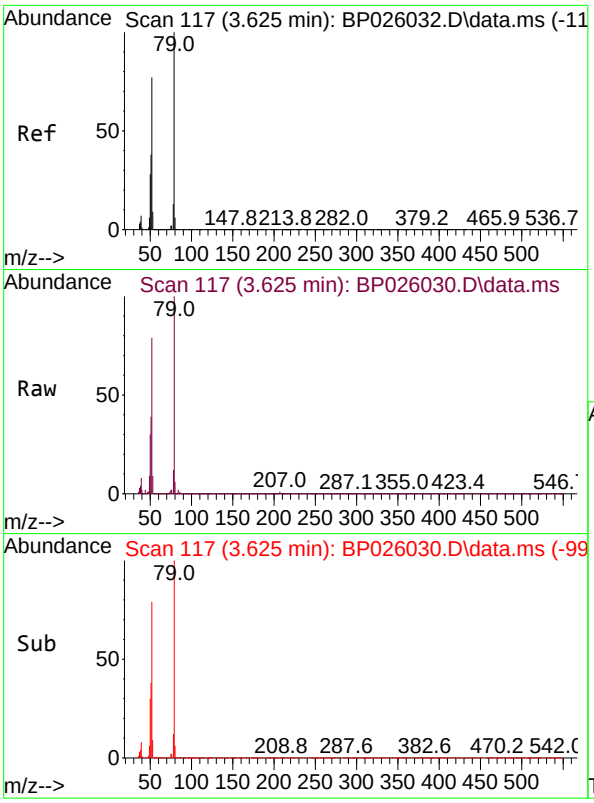


#2
1,4-Dioxane
Concen: 11.097 ng
RT: 3.243 min Scan# 52
Delta R.T. 0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 88 Resp: 81890

Ion	Ratio	Lower	Upper
88	100		
58	80.0	65.4	98.0
43	28.6	23.1	34.7





#3
Pyridine
Concen: 10.590 ng
RT: 3.625 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

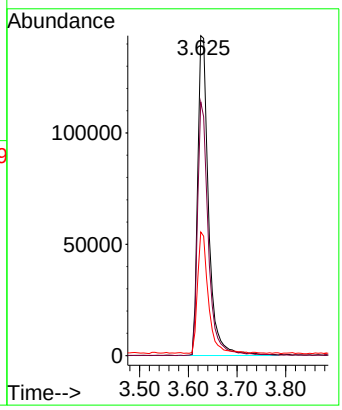
Tgt Ion: 79 Resp: 222154

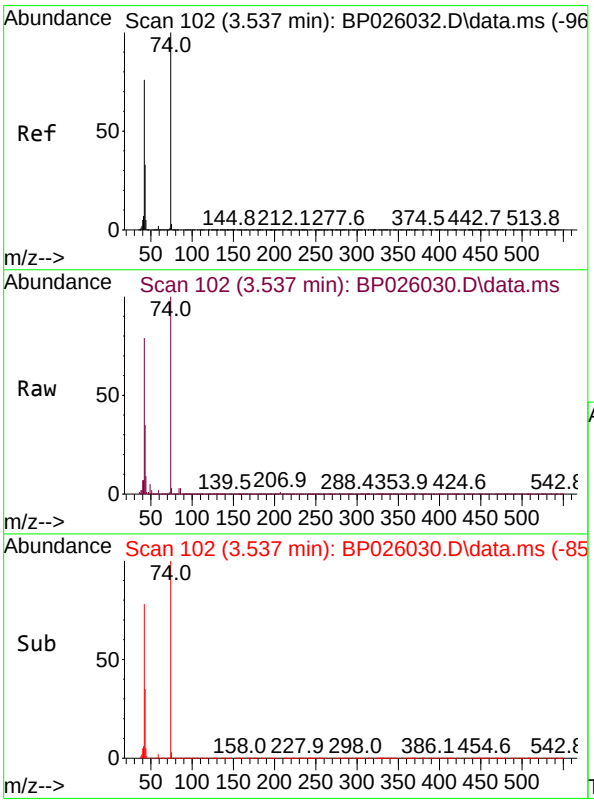
Ion	Ratio	Lower	Upper
79	100		
52	79.3	62.0	93.0
51	38.6	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

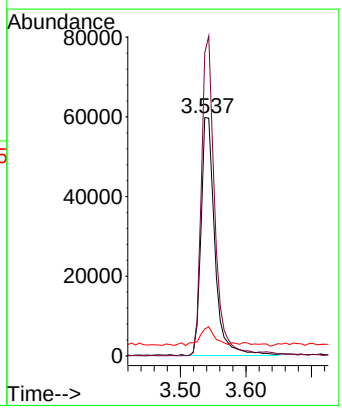


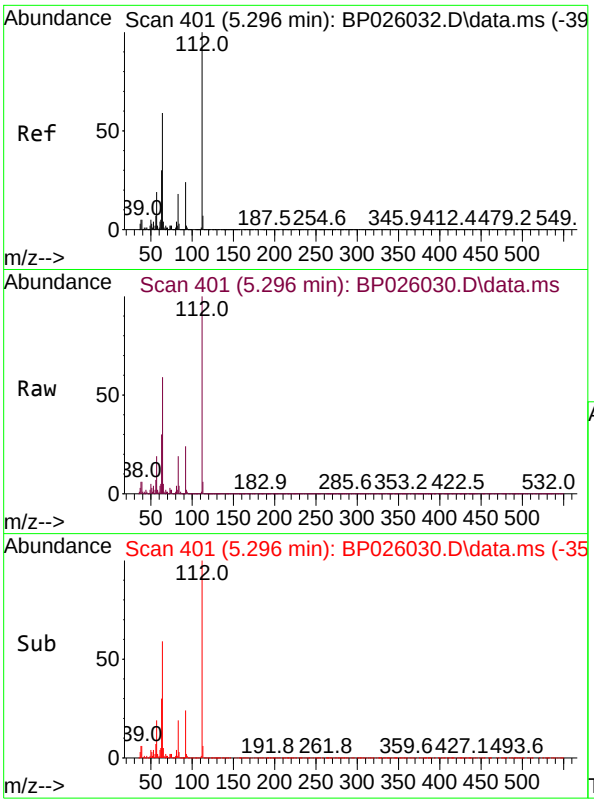


#4
n-Nitrosodimethylamine
Concen: 10.330 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 42 Resp: 86859

Ion	Ratio	Lower	Upper
42	100		
74	127.2	105.7	158.5
44	11.3	6.6	9.8#





#5
2-Fluorophenol
Concen: 20.712 ng
RT: 5.296 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:112 Resp: 36257

Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.4	71.2
63	29.6	24.2	36.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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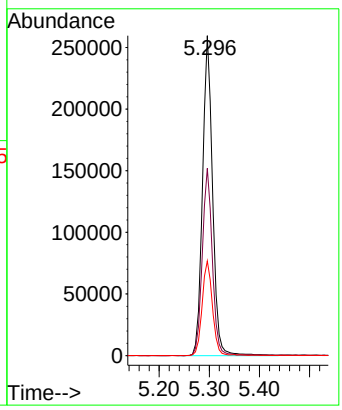
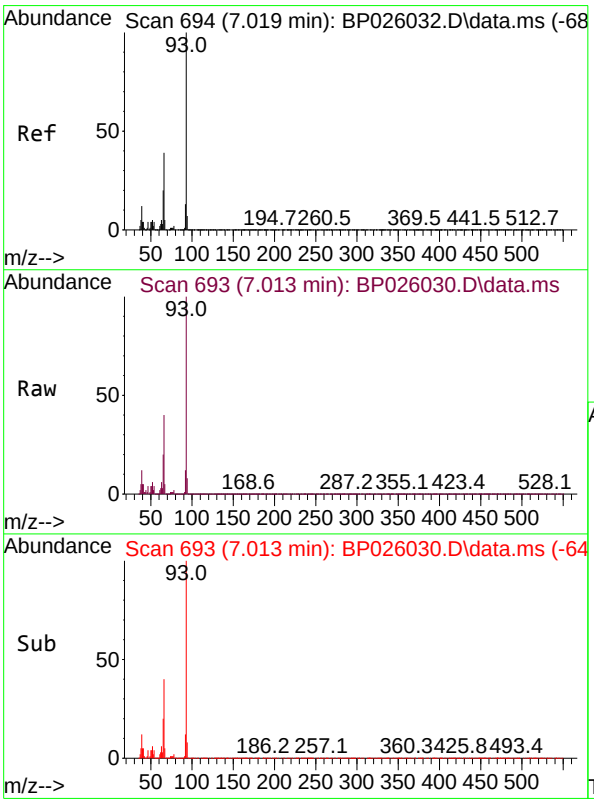
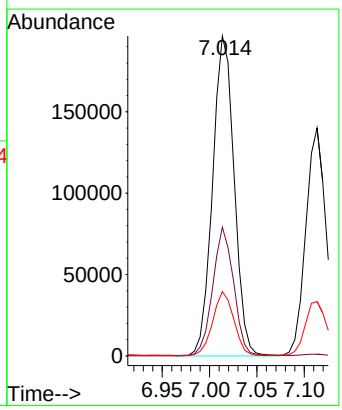


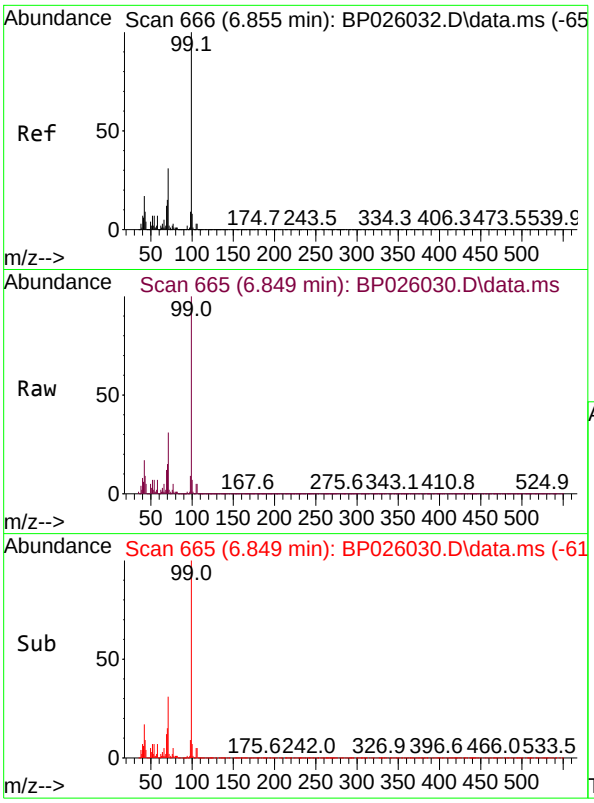


#6
Aniline
Concen: 10.476 ng
RT: 7.013 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 93 Resp: 311508

Ion	Ratio	Lower	Upper
93	100		
66	40.2	31.2	46.8
65	20.1	16.1	24.1





#7
Phenol-d6
Concen: 20.484 ng
RT: 6.849 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 99 Resp: 45639

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.7	20.5
71	31.1	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
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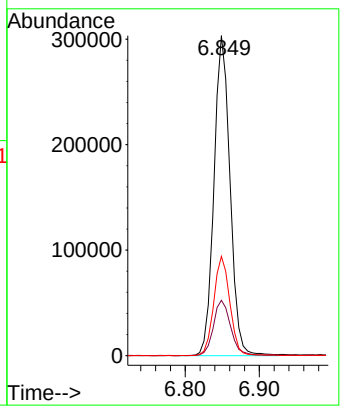
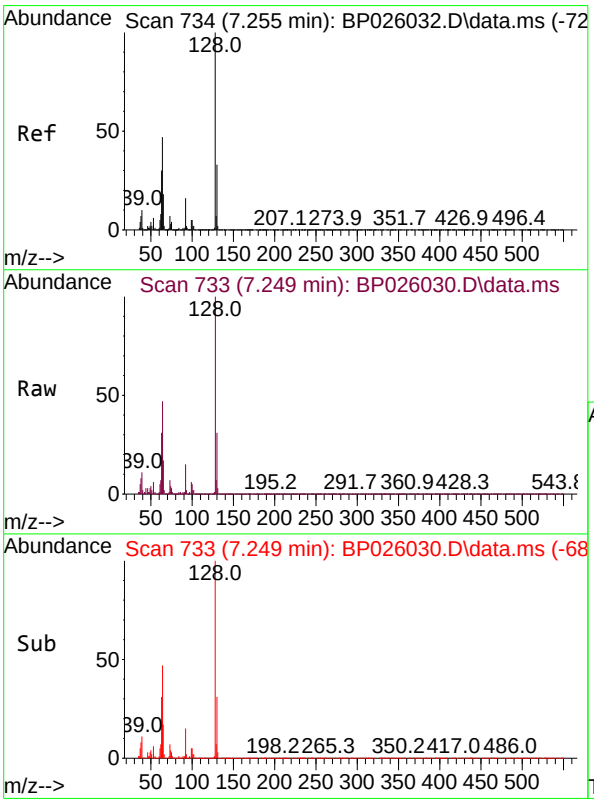
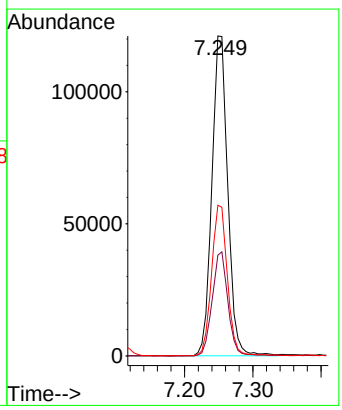


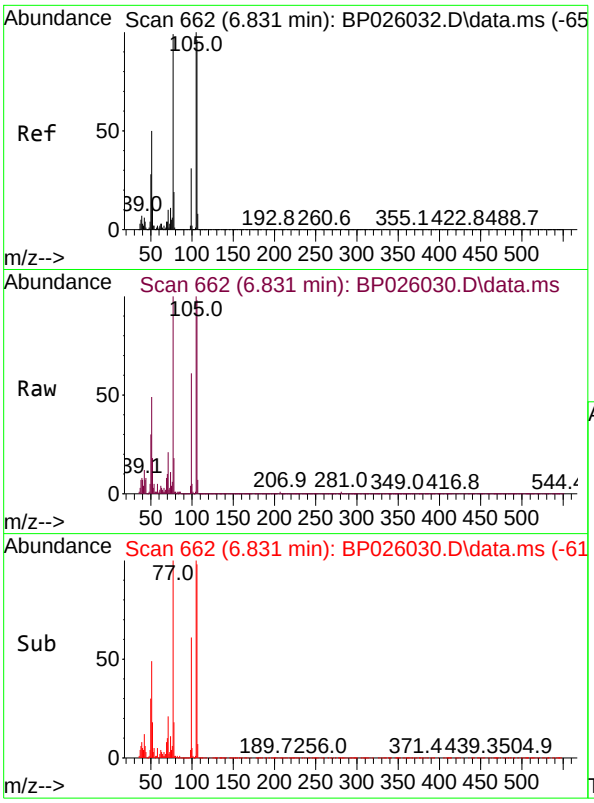


#8
2-Chlorophenol
Concen: 10.086 ng
RT: 7.249 min Scan# 733
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:128 Resp: 195513

Ion	Ratio	Lower	Upper
128	100		
130	31.5	12.7	52.7
64	47.1	27.4	67.4





#9
Benzaldehyde
Concen: 10.666 ng m
RT: 6.831 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 77 Resp: 12353

Ion	Ratio	Lower	Upper
77	100		
105	100.0	80.7	120.7
106	98.0	76.5	116.5

Instrument :
BNA_P
ClientSampleId :
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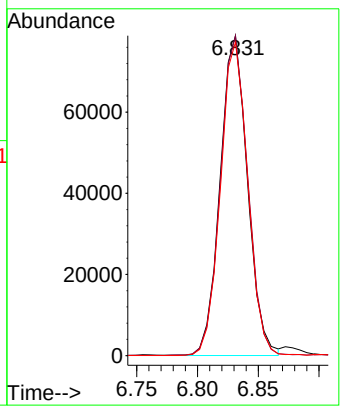
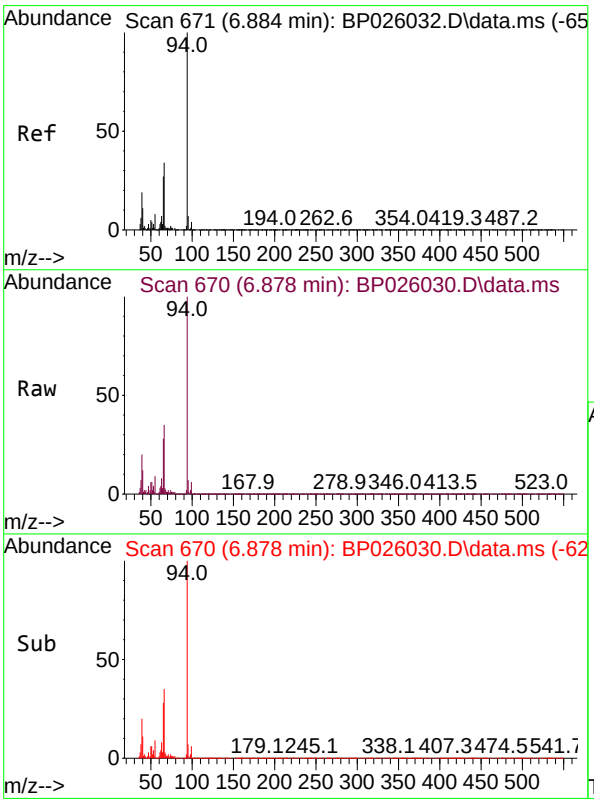
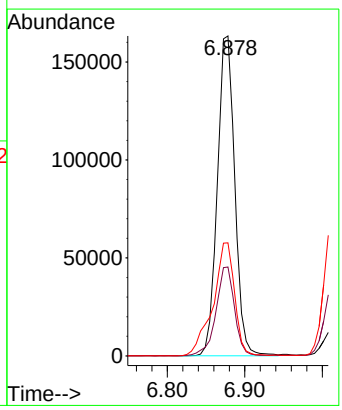


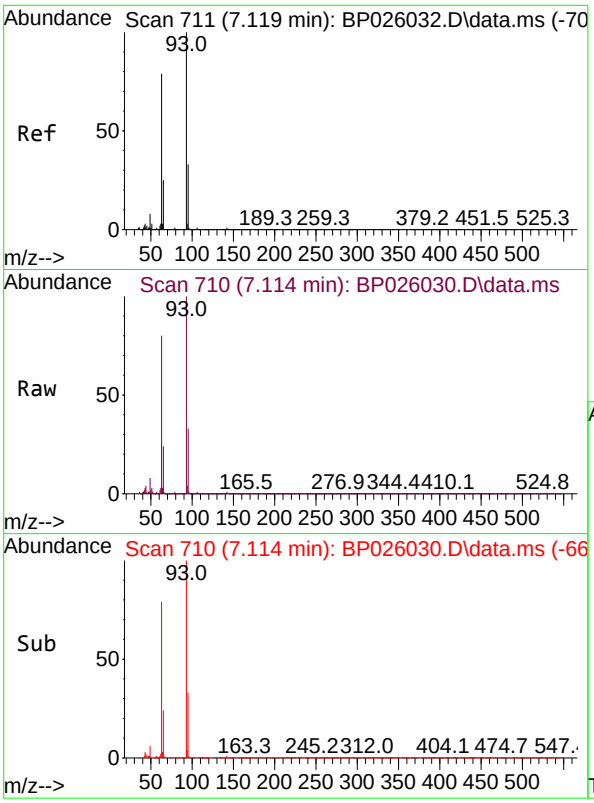


#10
Phenol
Concen: 10.340 ng
RT: 6.878 min Scan# 670
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 94 Resp: 255762

Ion	Ratio	Lower	Upper
94	100		
65	27.8	7.1	47.1
66	35.3	14.4	54.4





#11
bis(2-Chloroethyl)ether
Concen: 10.612 ng
RT: 7.114 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 93 Resp: 207158

Ion	Ratio	Lower	Upper
93	100		
63	80.5	59.1	99.1
95	33.5	12.6	52.6

Instrument :
BNA_P
ClientSampleId :
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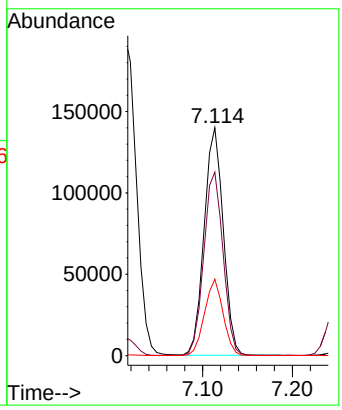
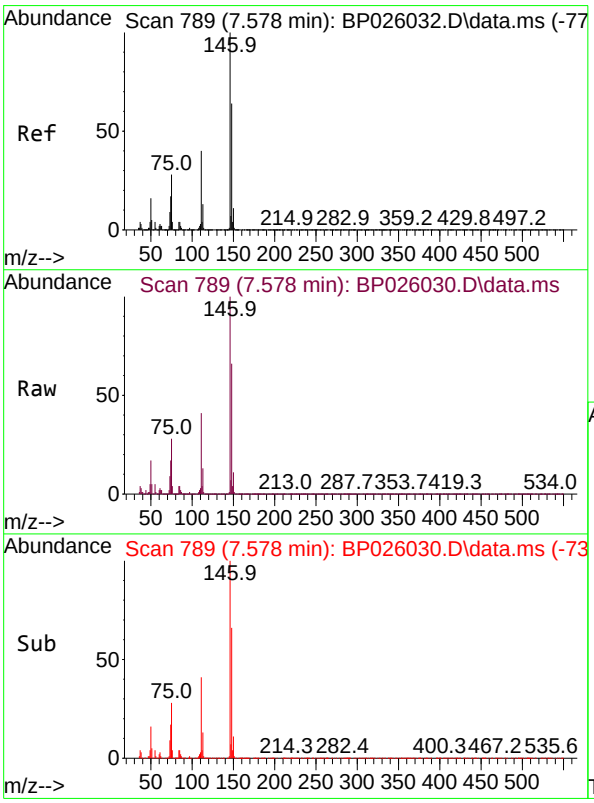
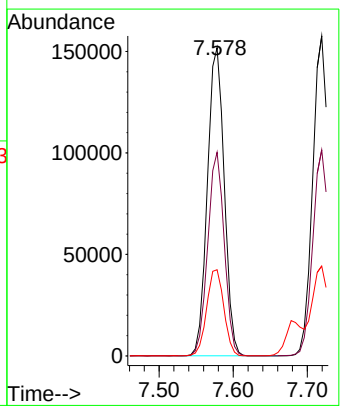


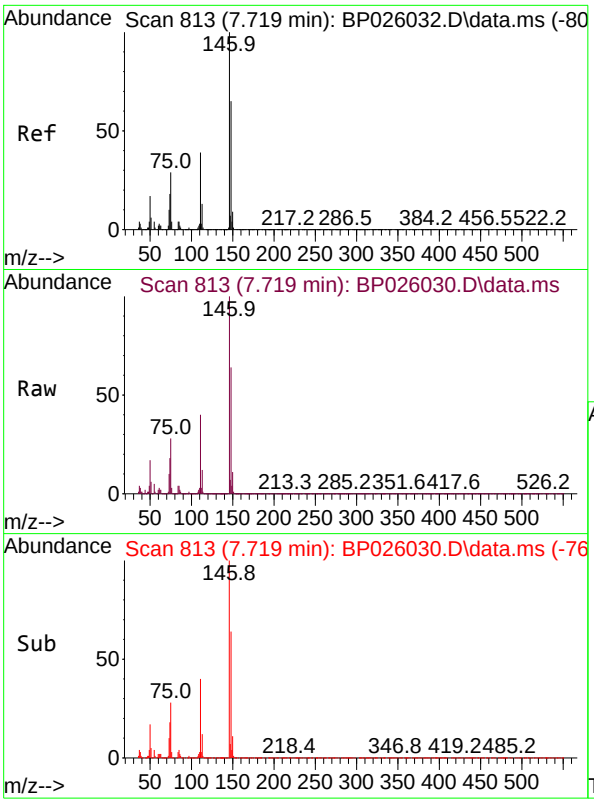


#12
1,3-Dichlorobenzene
Concen: 10.771 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:146 Resp: 239783

Ion	Ratio	Lower	Upper
146	100		
148	66.0	51.6	77.4
75	28.0	22.6	33.8





#13
1,4-Dichlorobenzene
Concen: 10.787 ng
RT: 7.719 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:146 Resp: 242788

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.2	78.2
111	39.9	31.3	46.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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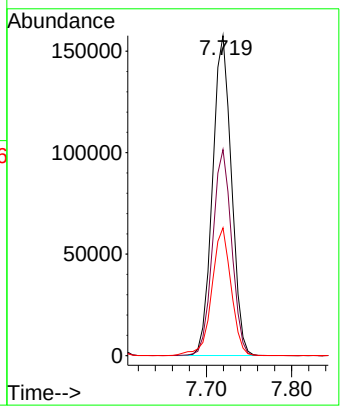
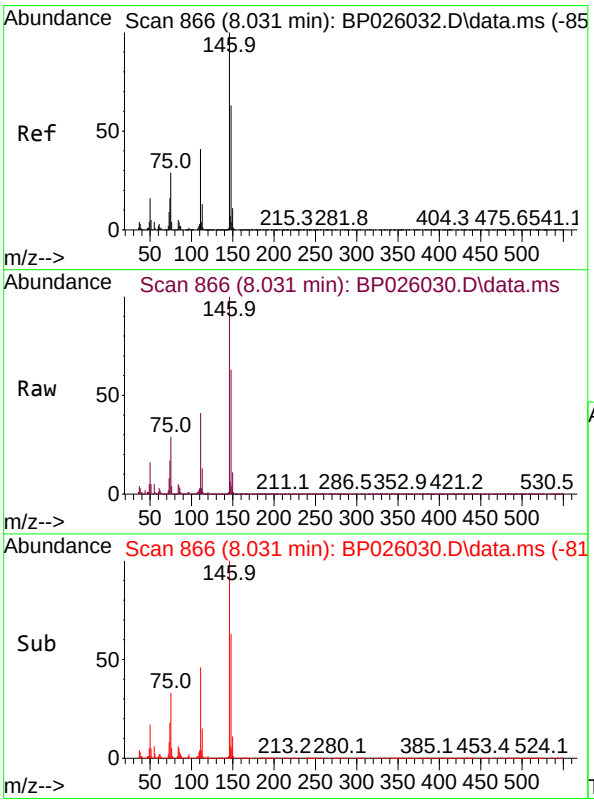
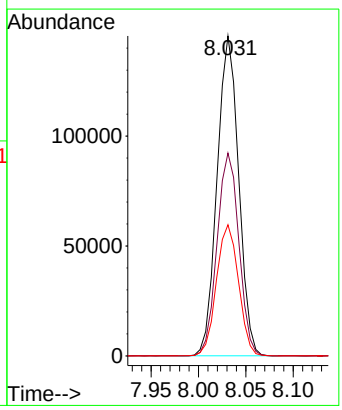


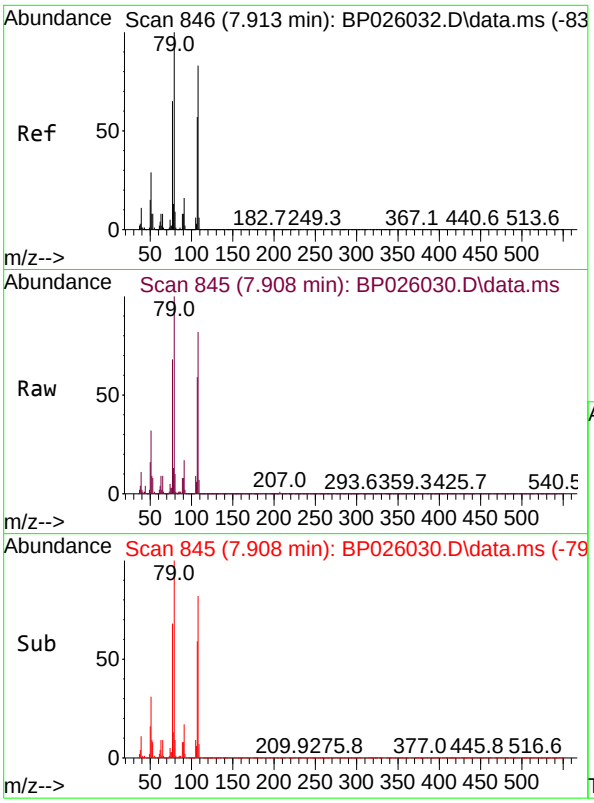


#14
1,2-Dichlorobenzene
Concen: 10.729 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:146 Resp: 230430

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.8	76.2
111	41.0	33.0	49.4





#15
Benzyl Alcohol
Concen: 9.618 ng
RT: 7.908 min Scan# 84
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 79 Resp: 15449

Ion	Ratio	Lower	Upper
79	100		
108	81.9	66.0	99.0
77	67.7	52.3	78.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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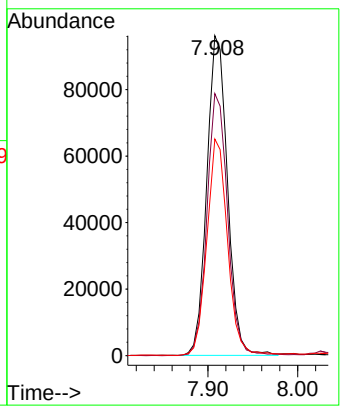
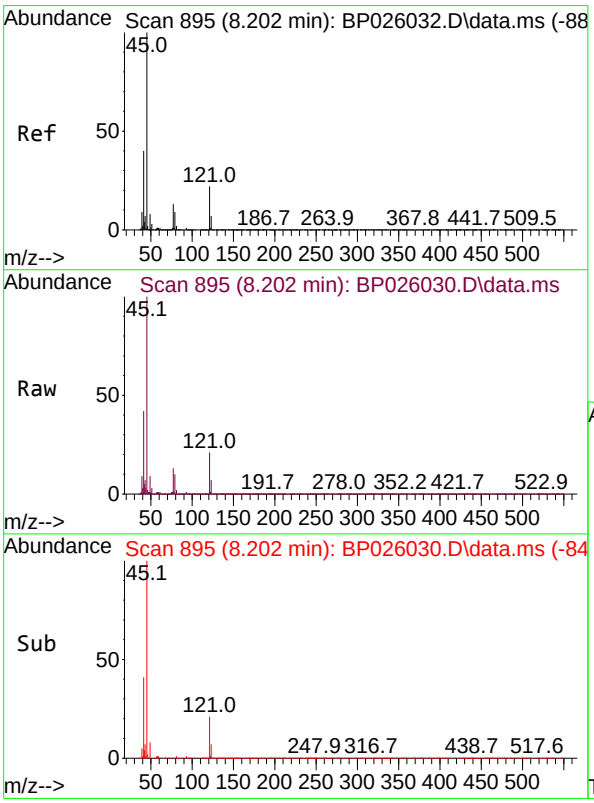
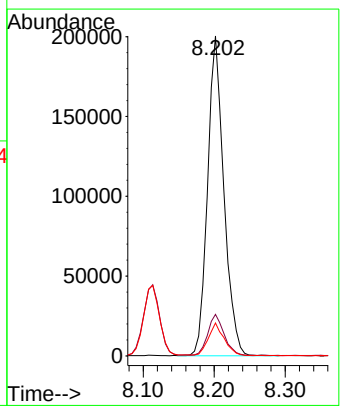


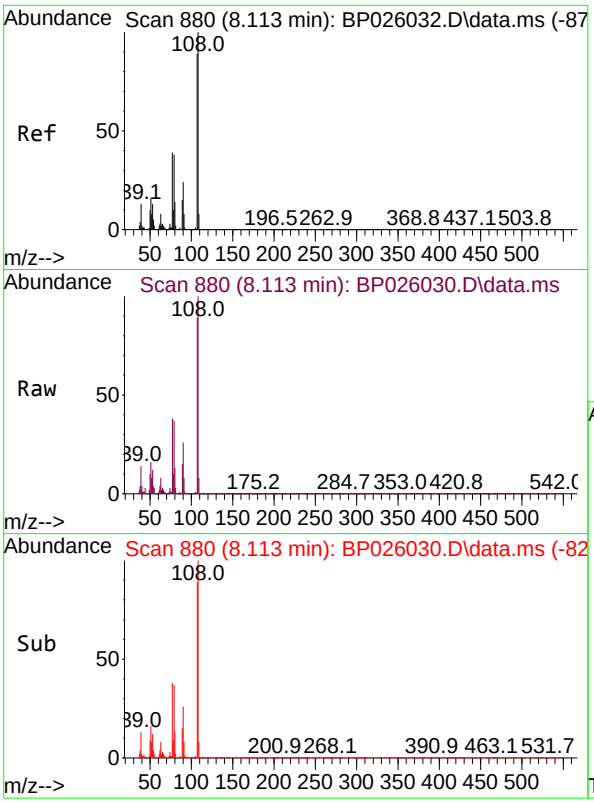


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.818 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 45 Resp: 319172

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	33.2
79	10.3	0.0	29.5

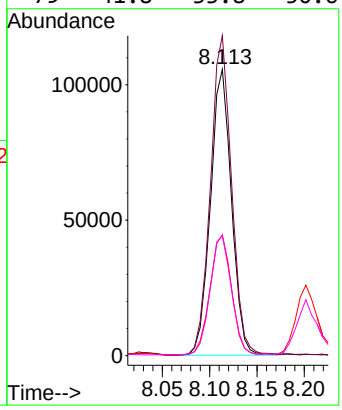




#17
2-Methylphenol
Concen: 10.068 ng
RT: 8.113 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:107 Resp: 16307

Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.8	134.8
77	42.2	34.8	52.2
79	41.8	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
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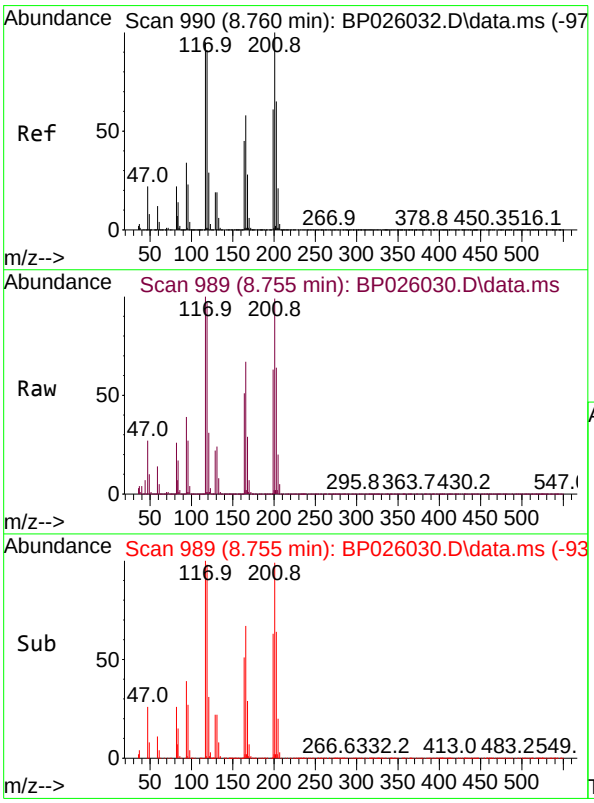
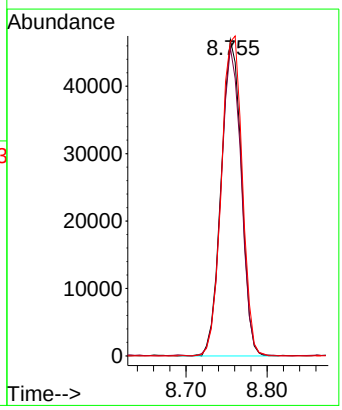
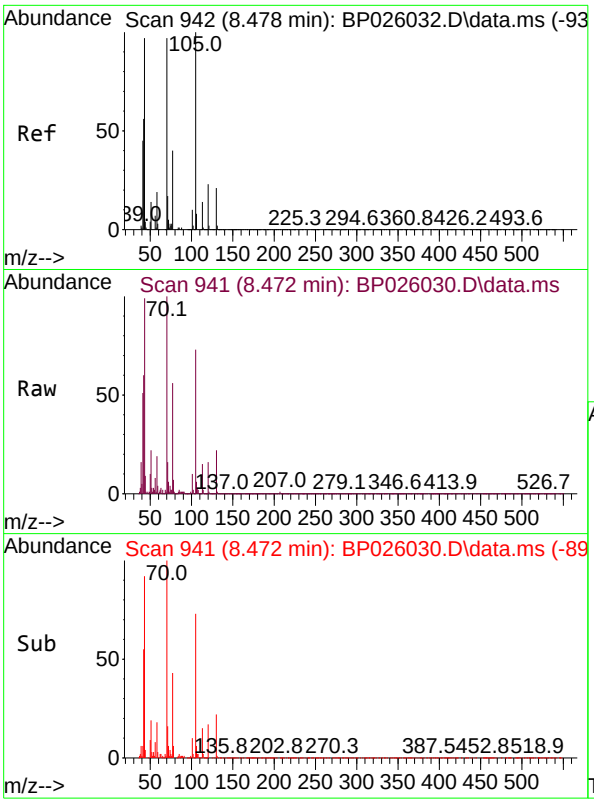


#18
Hexachloroethane
Concen: 10.537 ng
RT: 8.755 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:117 Resp: 81158

Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.5	114.7
201	99.3	84.2	126.4

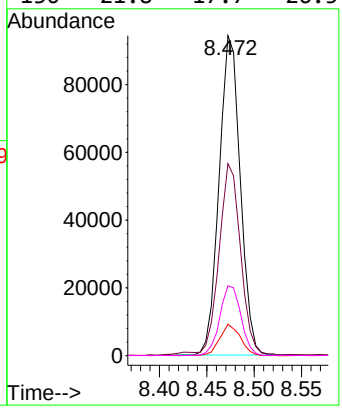




#19
n-Nitroso-di-n-propylamine
Concen: 10.582 ng
RT: 8.472 min Scan# 94
Delta R.T. -0.017 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 70 Resp: 146354

Ion	Ratio	Lower	Upper
70	100		
42	60.0	47.2	70.8
101	9.8	8.2	12.2
130	21.8	17.7	26.5



Instrument :
BNA_P
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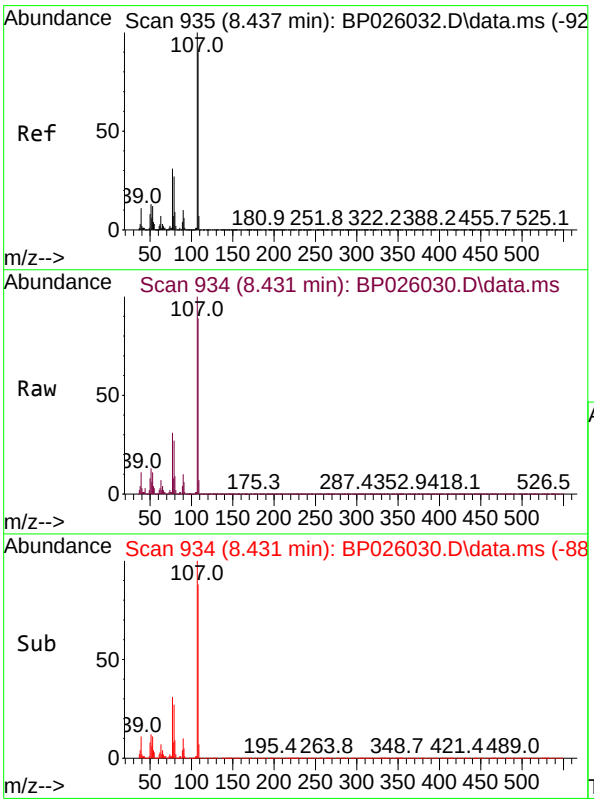
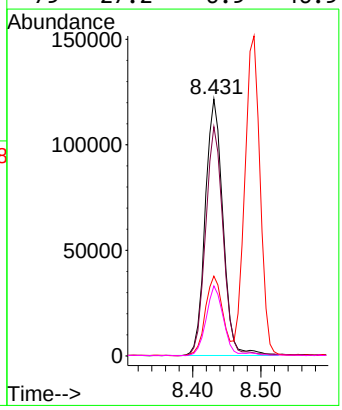
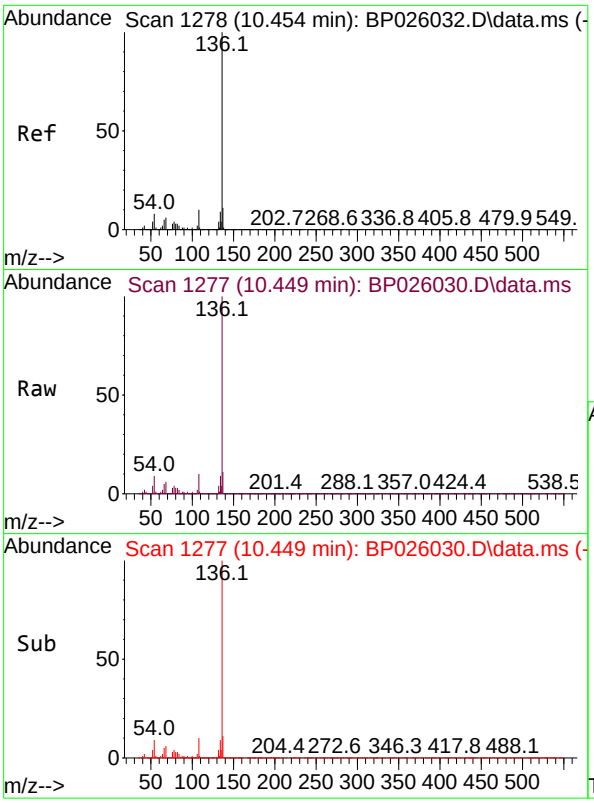


#20
3+4-Methylphenols
Concen: 9.746 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.011 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:107 Resp: 219610

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.1	110.1
77	31.0	10.7	50.7
79	27.2	6.9	46.9

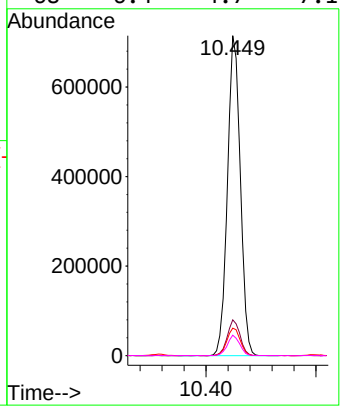




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:136 Resp: 115828

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.6	6.6	10.0
68	6.4	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
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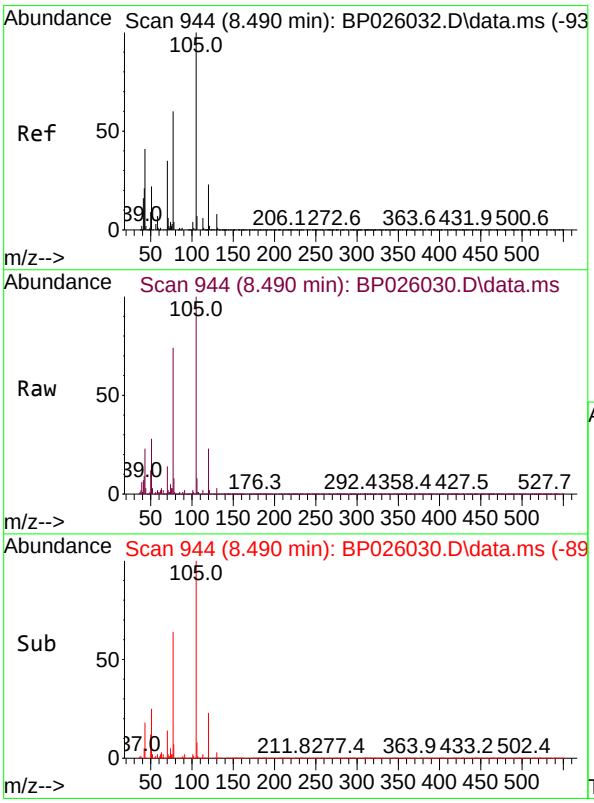
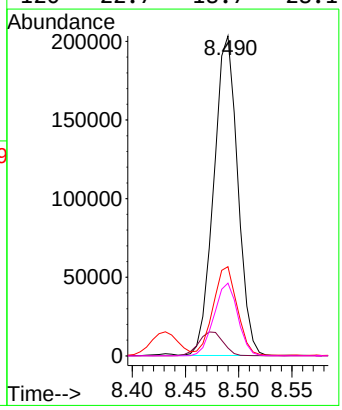
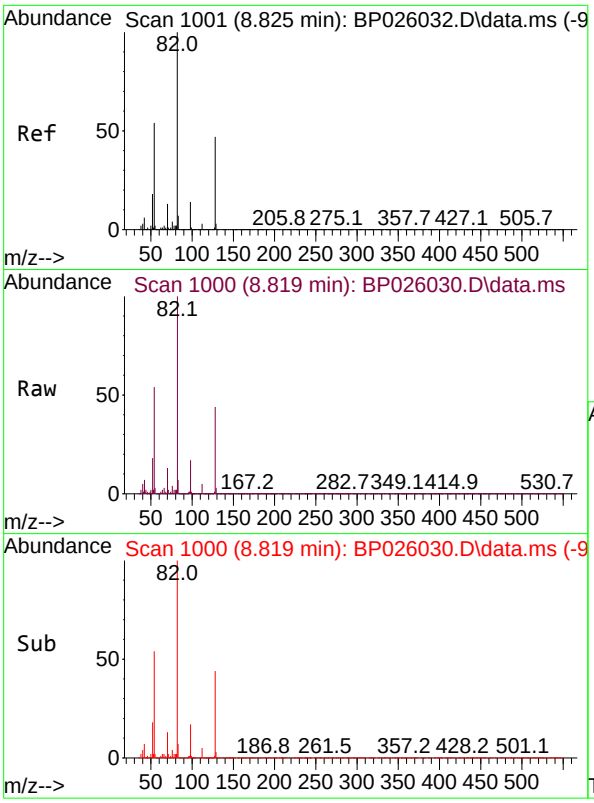


#22
Acetophenone
Concen: 10.842 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:105 Resp: 317614

Ion	Ratio	Lower	Upper
105	100		
71	2.5	4.7	7.1#
51	27.9	21.8	32.8
120	22.7	18.7	28.1





#23
Nitrobenzene-d5
Concen: 19.781 ng
RT: 8.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 82 Resp: 36753

Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.4	56.0
54	53.9	42.7	64.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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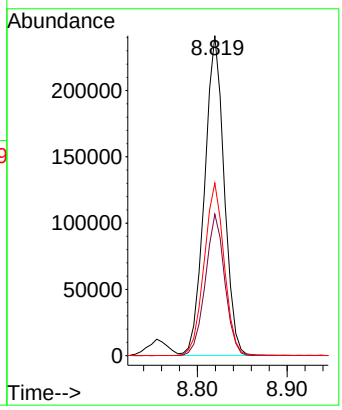
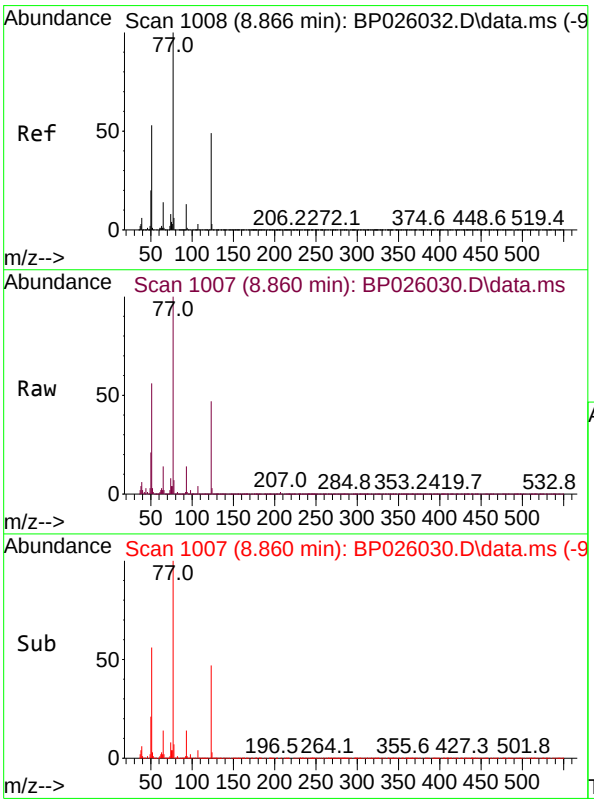
Supervised By :Jagrut Upadhyay 11/04/2025

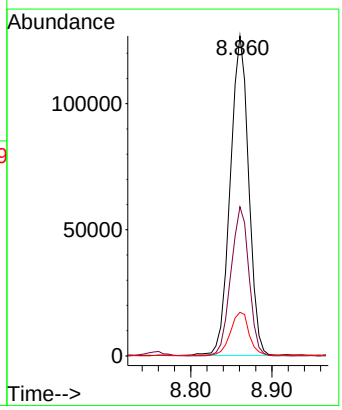


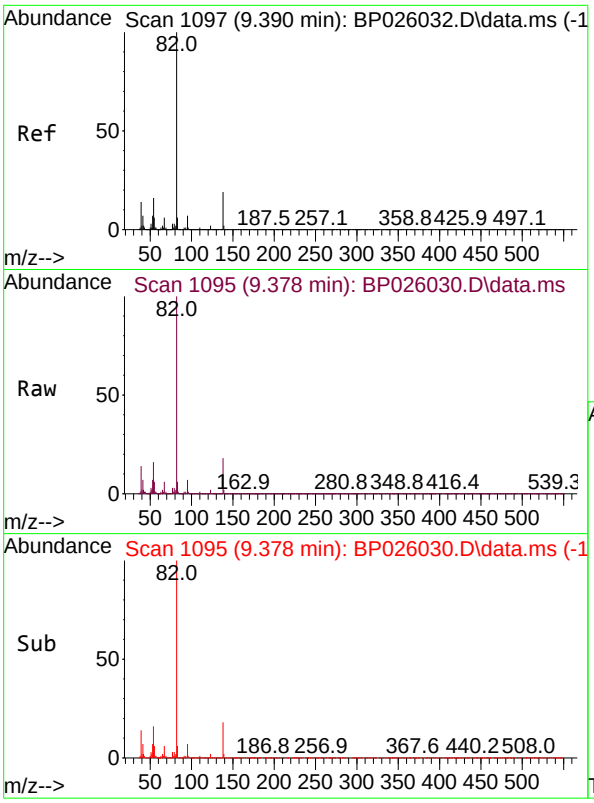


#24
Nitrobenzene
Concen: 10.199 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 77 Resp: 200078

Ion	Ratio	Lower	Upper
77	100		
123	46.6	39.0	58.4
65	13.6	10.9	16.3





#25
Isophorone
Concen: 10.506 ng
RT: 9.378 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 82 Resp: 41783

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	17.9	15.0	22.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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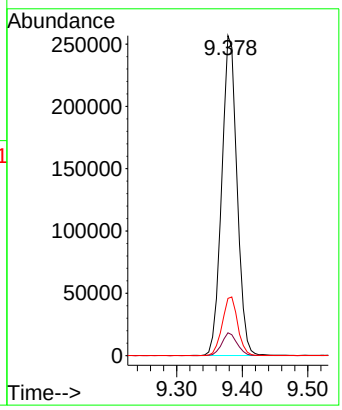
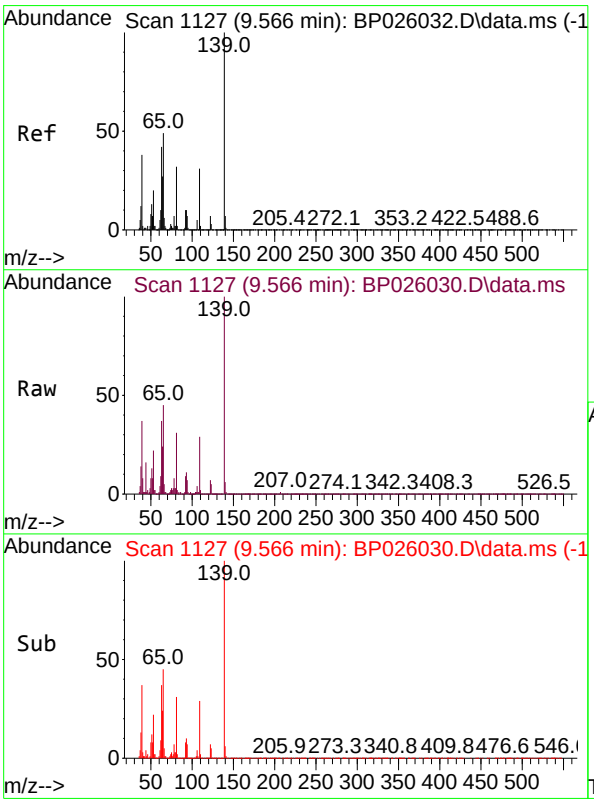
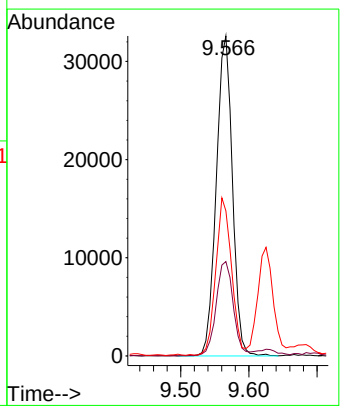


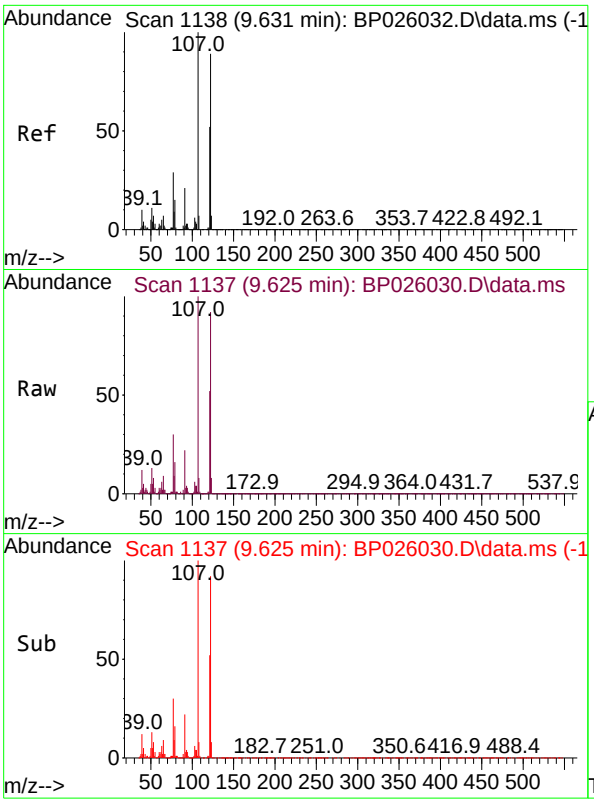


#26
2-Nitrophenol
Concen: 9.634 ng
RT: 9.566 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:139 Resp: 53200

Ion	Ratio	Lower	Upper
139	100		
109	29.5	24.8	37.2
65	45.3	39.0	58.4





#27
2,4-Dimethylphenol
Concen: 10.585 ng
RT: 9.625 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:122 Resp: 17702

Ion	Ratio	Lower	Upper
122	100		
107	109.1	89.2	133.8
121	57.0	46.3	69.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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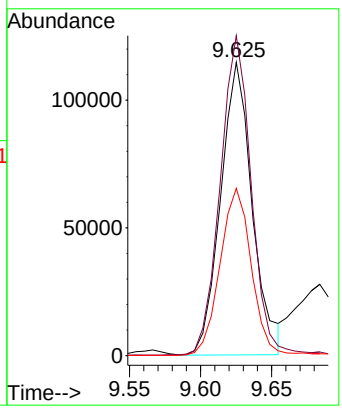
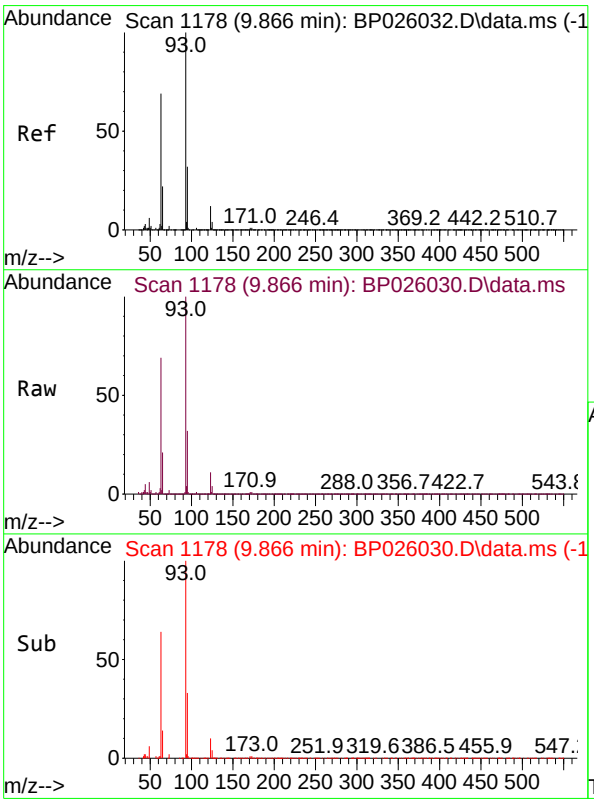
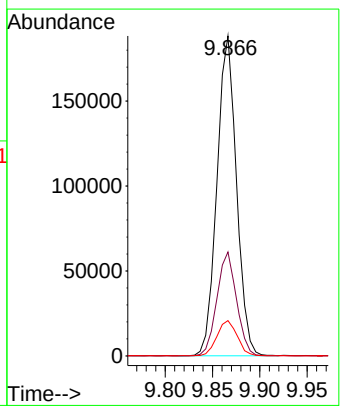


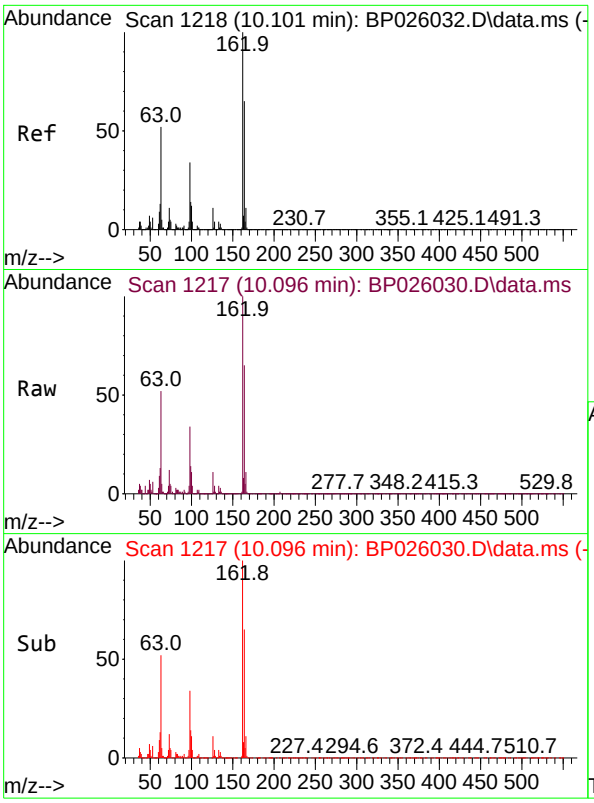


#28
bis(2-Chloroethoxy)methane
Concen: 10.772 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 93 Resp: 269975

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.6
123	11.0	9.3	13.9





#29
2,4-Dichlorophenol
Concen: 9.911 ng
RT: 10.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:162 Resp: 17501

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.6	84.6
98	33.8	14.0	54.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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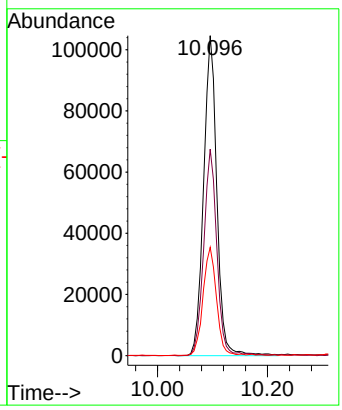
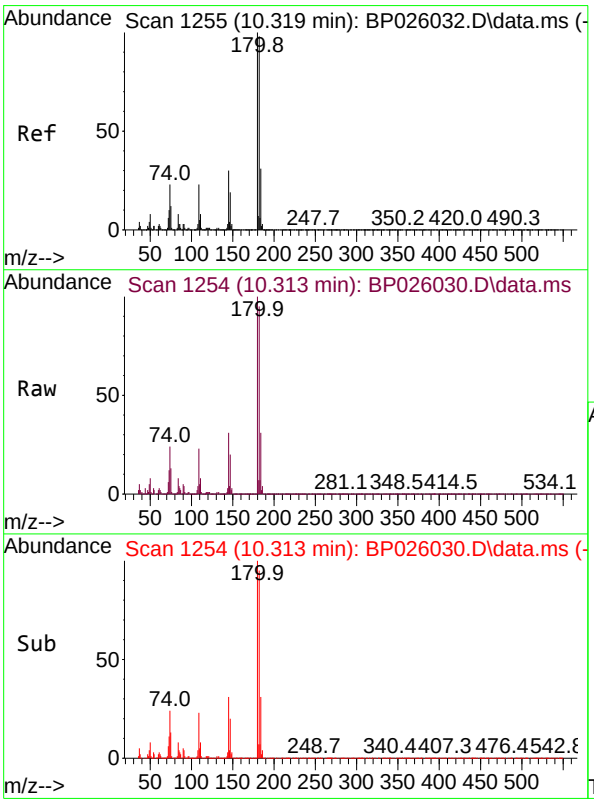
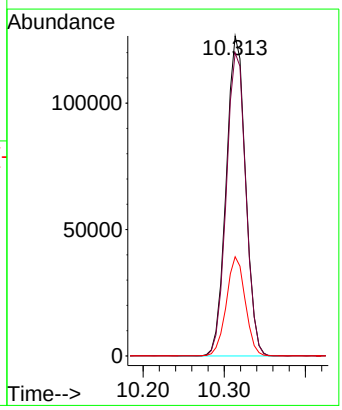


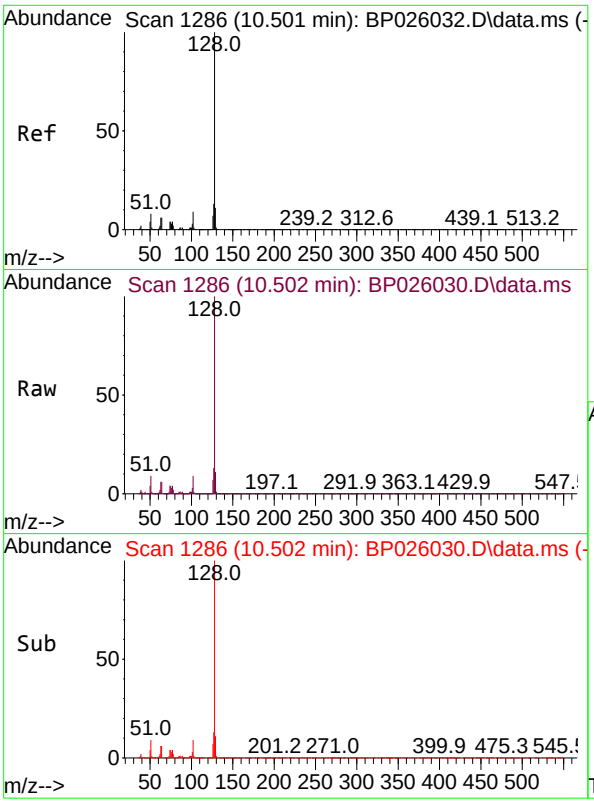


#30
1,2,4-Trichlorobenzene
Concen: 10.893 ng
RT: 10.313 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:180 Resp: 209064

Ion	Ratio	Lower	Upper
180	100		
182	94.7	78.6	117.8
145	31.0	24.2	36.4





#31
Naphthalene
Concen: 10.833 ng
RT: 10.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:128 Resp: 68422

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.4	10.5	15.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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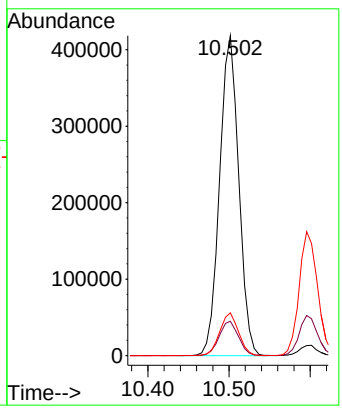
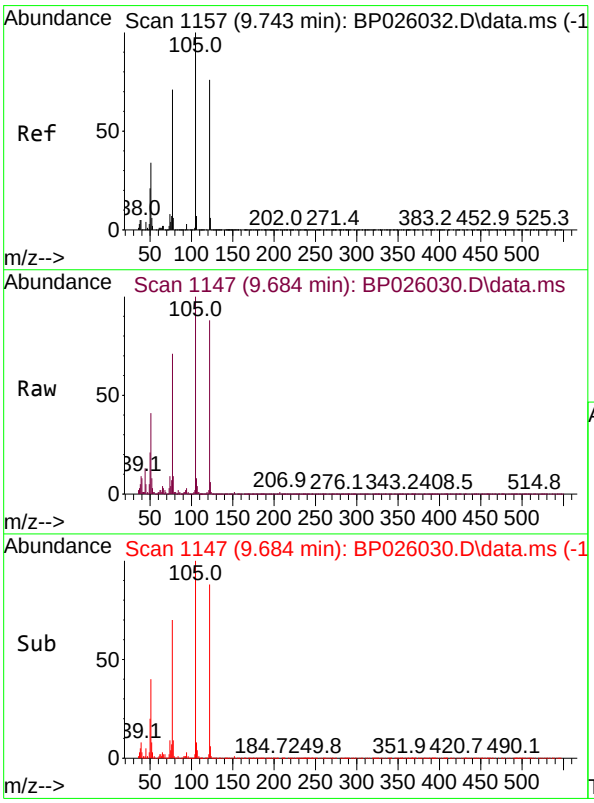
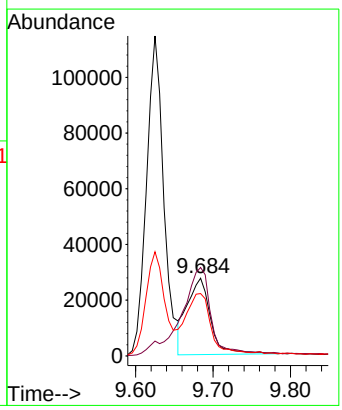


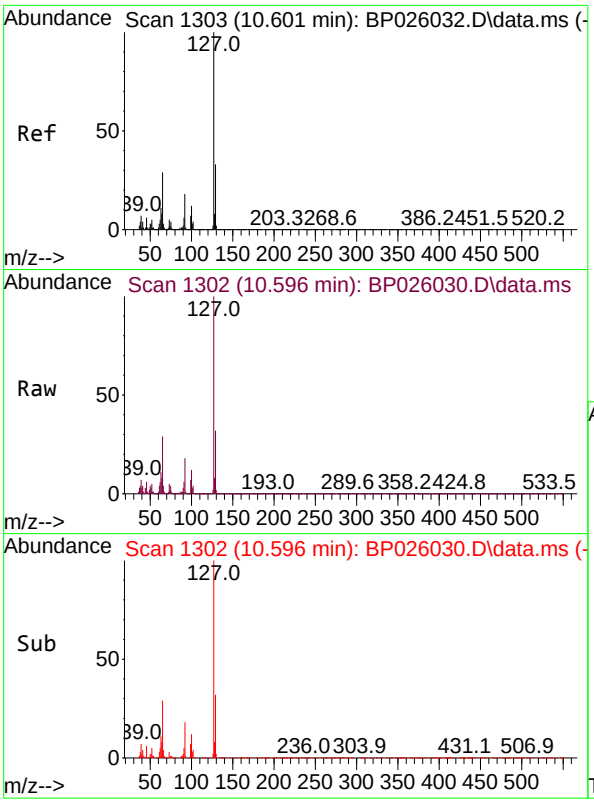


#32
Benzoic acid
Concen: 10.150 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.094 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:122 Resp: 58000

Ion	Ratio	Lower	Upper
122	100		
105	113.7	104.8	144.8
77	80.2	70.9	110.9





#33
4-Chloroaniline
Concen: 10.507 ng
RT: 10.596 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:127 Resp: 255029

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	28.7	23.2	34.8
92	18.0	14.5	21.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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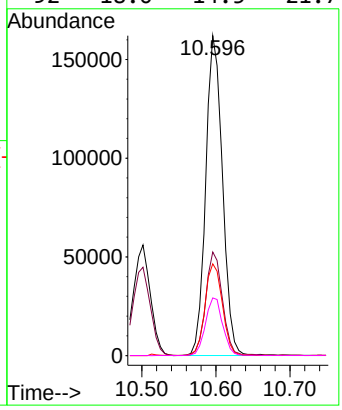
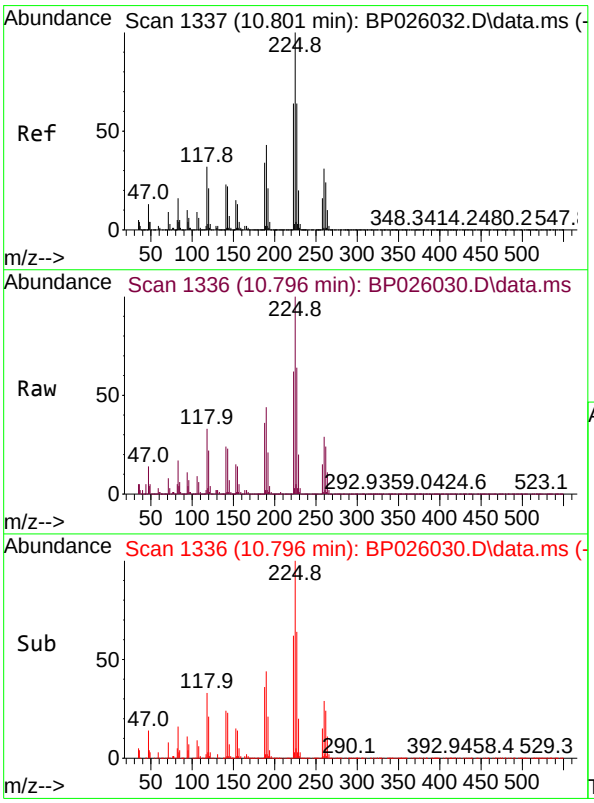
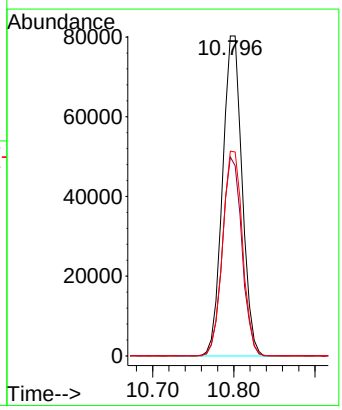


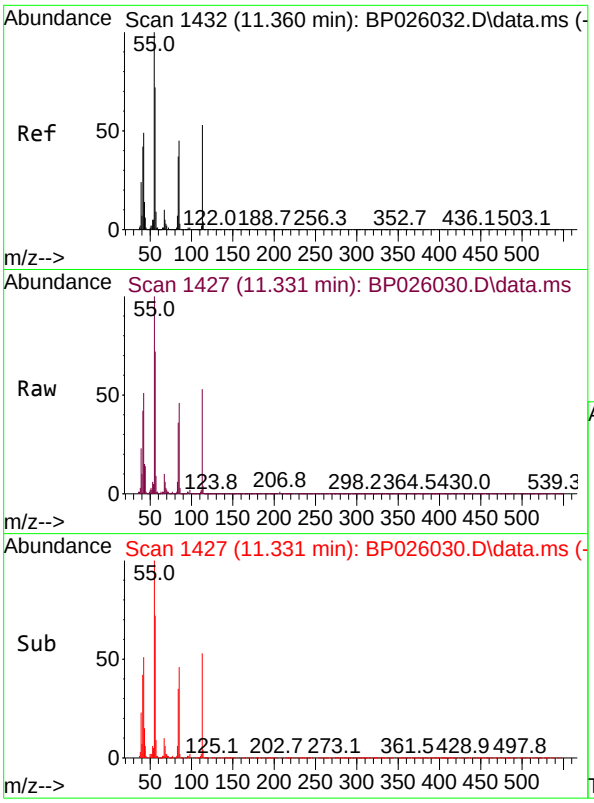


#34
Hexachlorobutadiene
Concen: 10.977 ng
RT: 10.796 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:225 Resp: 133883

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.9	76.3
227	64.0	51.0	76.4





#35
Caprolactam
Concen: 9.290 ng
RT: 11.331 min Scan# 14
Delta R.T. -0.053 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:113 Resp: 5760

Ion	Ratio	Lower	Upper
113	100		
55	188.3	169.9	209.9
56	135.3	116.7	156.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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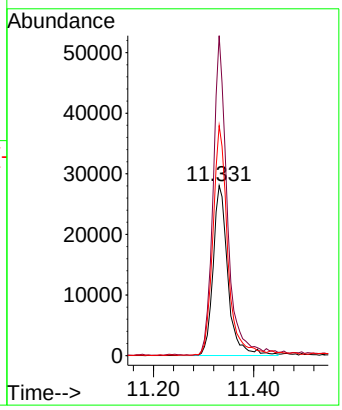
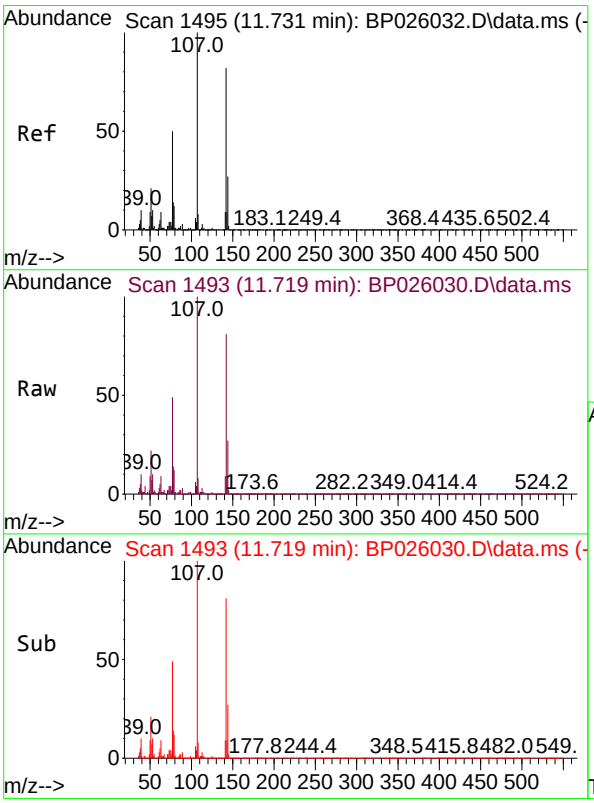
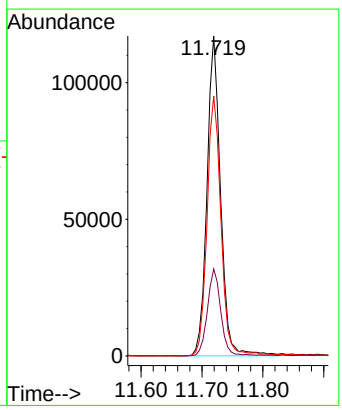


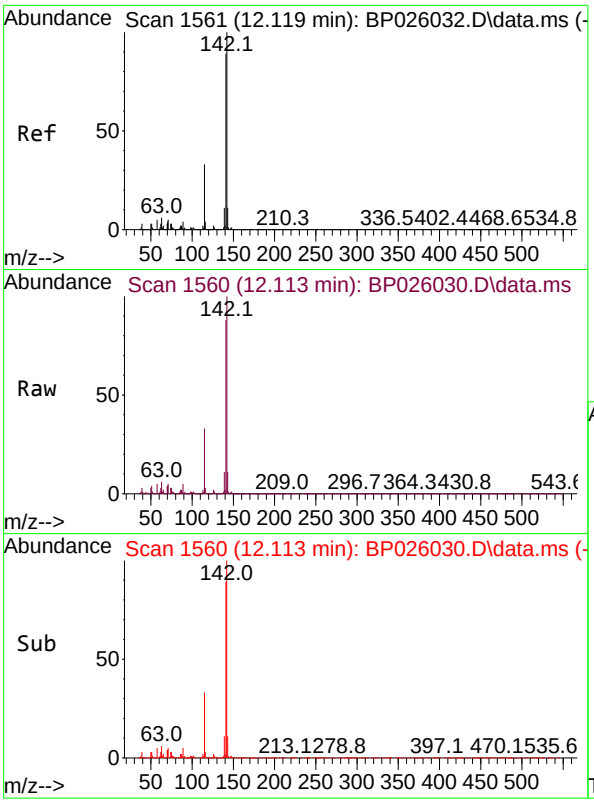


#36
4-Chloro-3-methylphenol
Concen: 9.808 ng
RT: 11.719 min Scan# 1493
Delta R.T. -0.011 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:107 Resp: 181561

Ion	Ratio	Lower	Upper
107	100		
144	27.2	21.3	31.9
142	81.2	65.2	97.8





#37
2-Methylnaphthalene
Concen: 10.783 ng
RT: 12.113 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:142 Resp: 47669

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.6	107.4
115	32.8	26.6	39.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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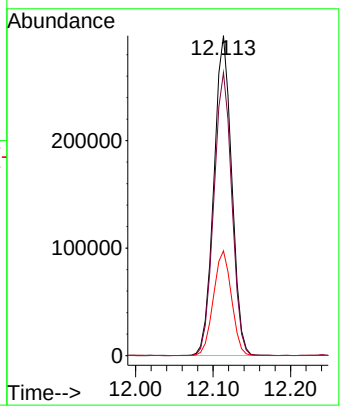
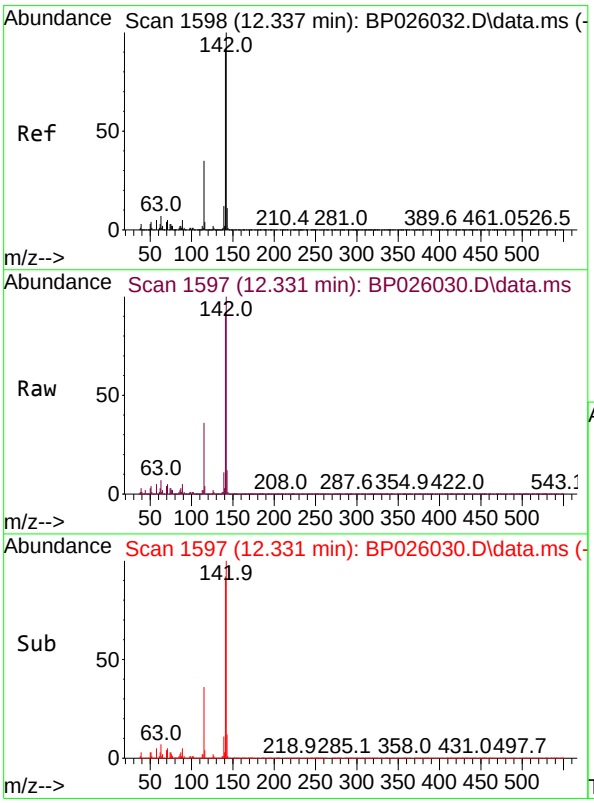
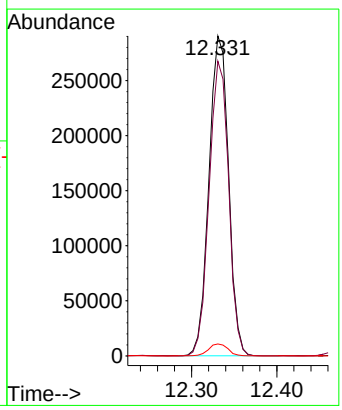


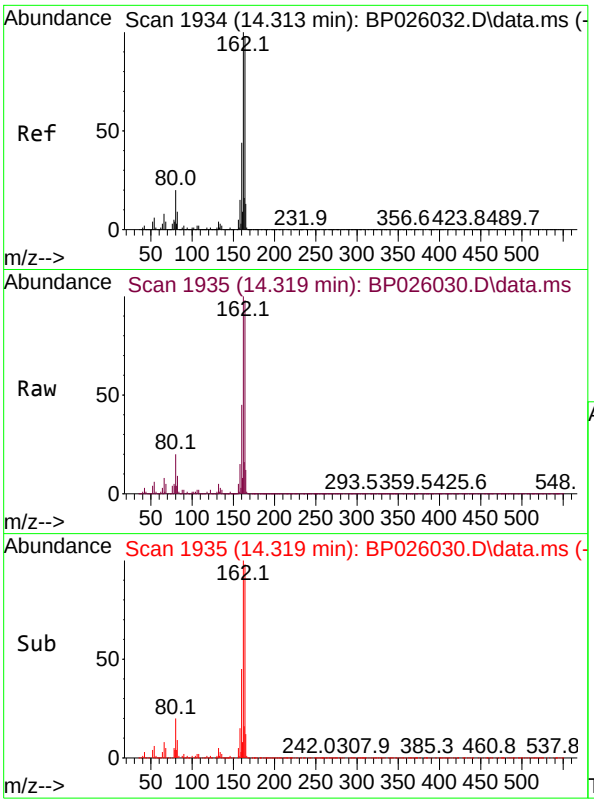


#38
1-Methylnaphthalene
Concen: 10.801 ng
RT: 12.331 min Scan# 1597
Delta R.T. -0.005 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:142 Resp: 463905

Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.7	109.1
116	3.7	2.9	4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:164 Resp: 73456

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.5	122.3
160	45.7	36.2	54.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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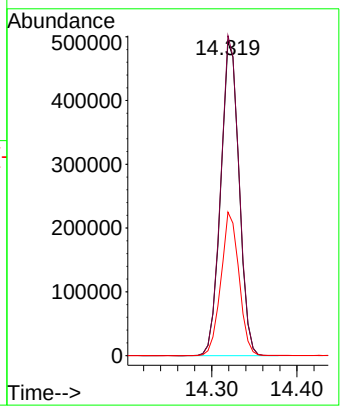
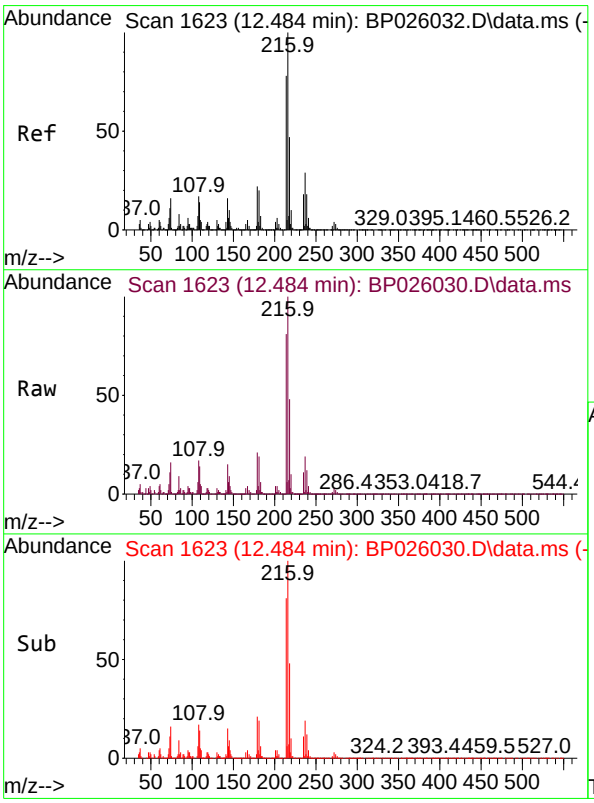
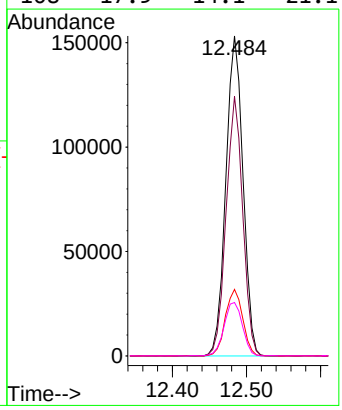


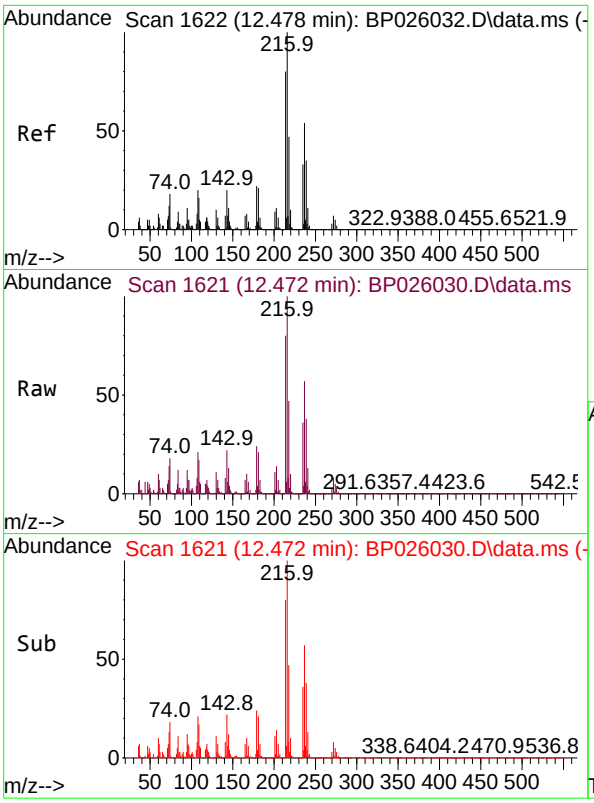


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.776 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:216 Resp: 245958

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.9	94.3
179	21.1	16.9	25.3
108	17.9	14.1	21.1





#41
Hexachlorocyclopentadiene
Concen: 8.806 ng
RT: 12.472 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:237 Resp: 7353

Ion	Ratio	Lower	Upper
237	100		
235	64.1	40.4	80.4
272	14.2	0.0	32.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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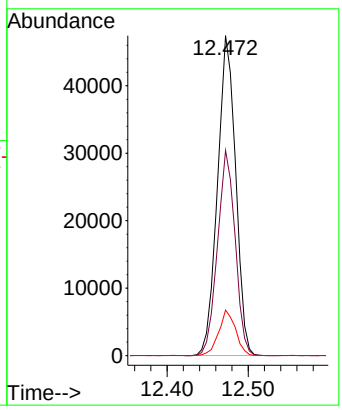
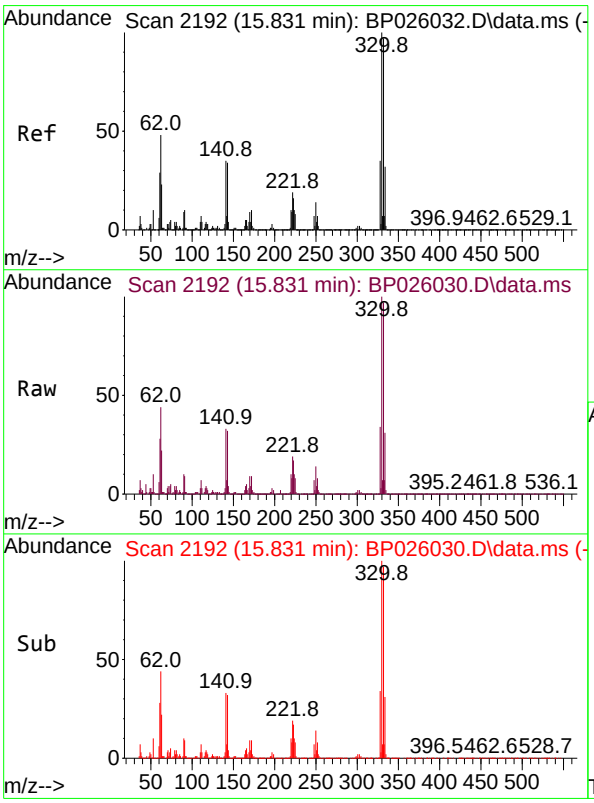
Supervised By :Jagrut Upadhyay 11/04/2025

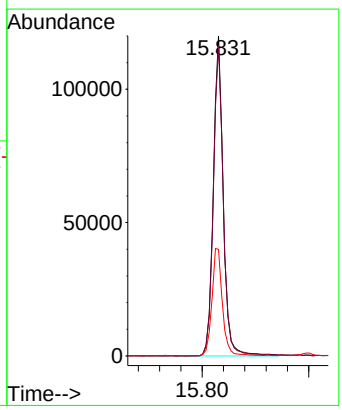


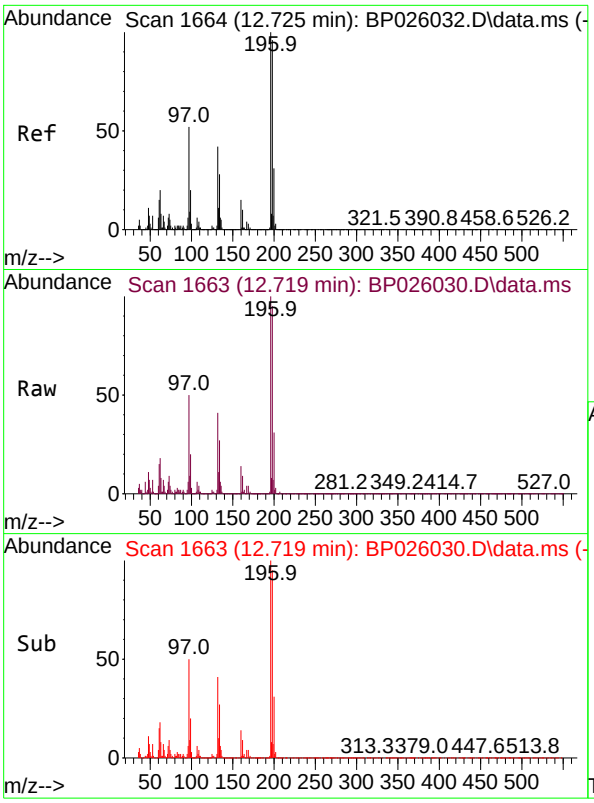


#42
2,4,6-Tribromophenol
Concen: 19.502 ng
RT: 15.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:330 Resp: 154869

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.3	115.9
141	35.8	28.6	42.8





#43
2,4,6-Trichlorophenol
Concen: 9.317 ng
RT: 12.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:196 Resp: 12569

Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.5	114.7
200	31.3	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
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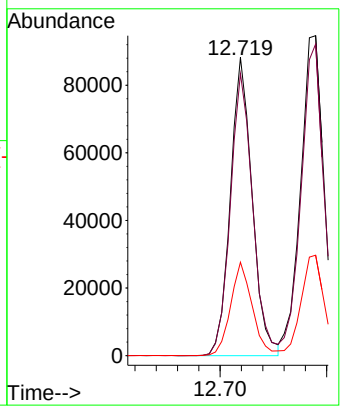
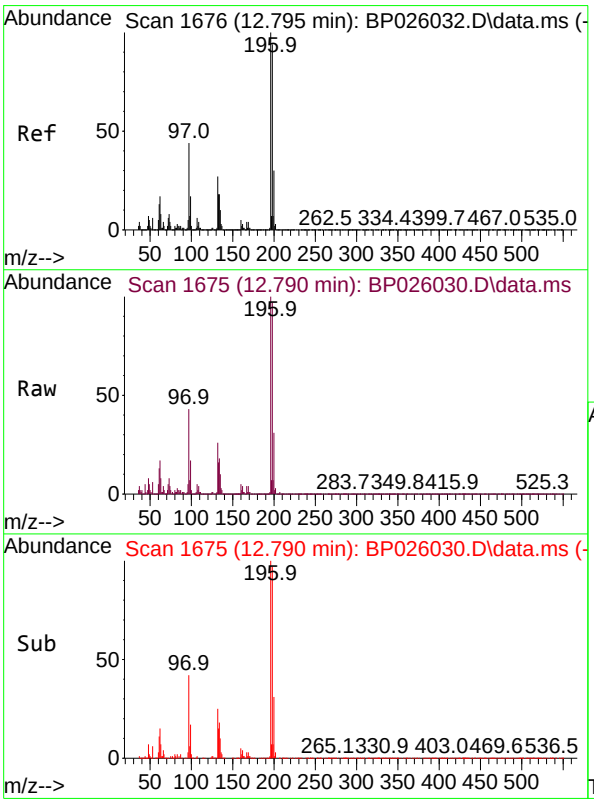
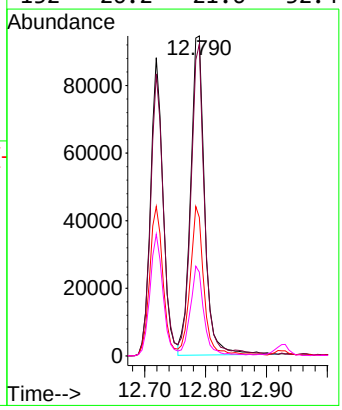


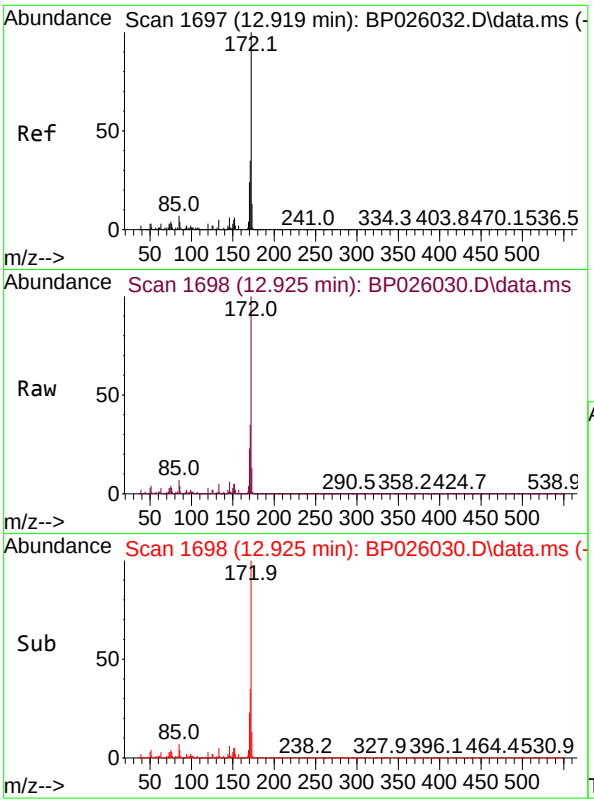


#44
2,4,5-Trichlorophenol
Concen: 9.868 ng
RT: 12.790 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:196 Resp: 151902

Ion	Ratio	Lower	Upper
196	100		
198	97.4	75.1	112.7
97	43.3	35.5	53.3
132	26.2	21.6	32.4





#45
2-Fluorobiphenyl
Concen: 22.262 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:172 Resp: 1138070

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.4	19.0	28.4

Instrument :
BNA_P
ClientSampleId :
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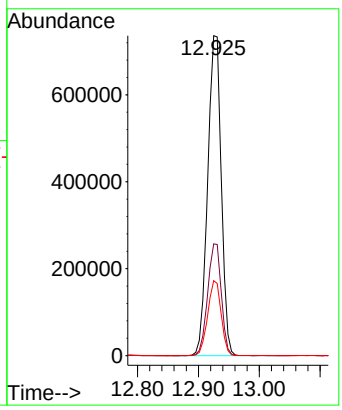
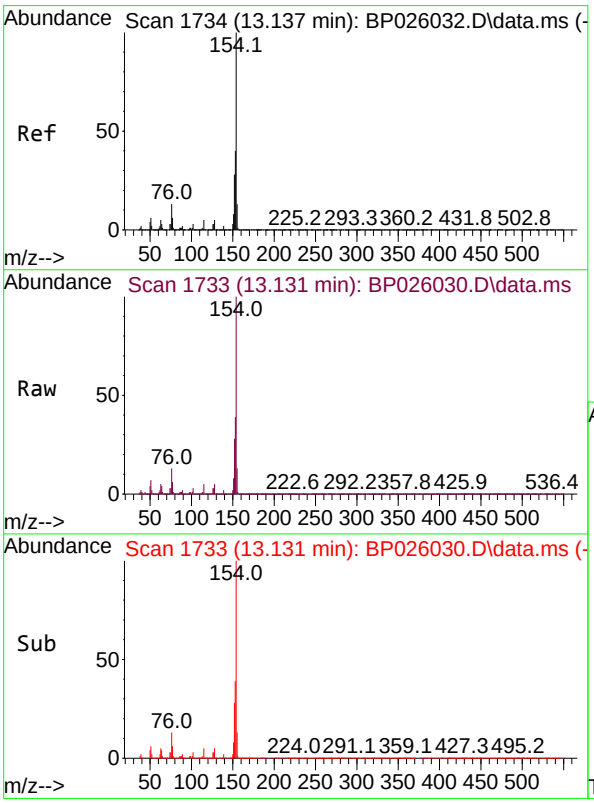
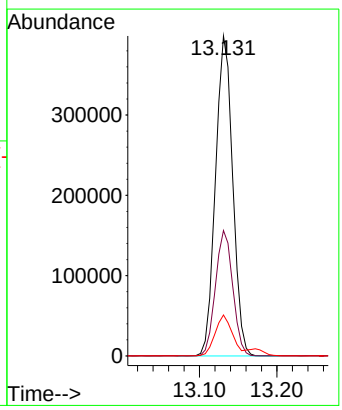


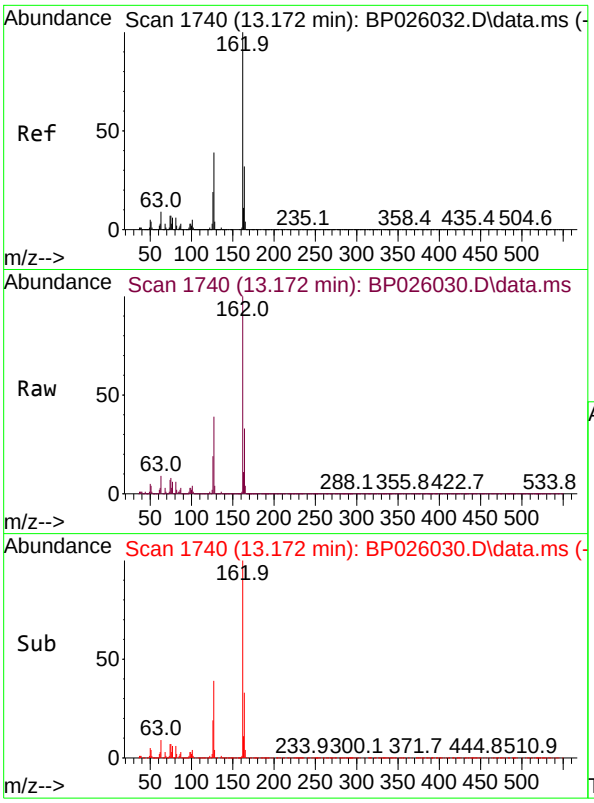


#46
1,1'-Biphenyl
Concen: 10.924 ng
RT: 13.131 min Scan# 1733
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:154 Resp: 614441

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.2	60.2
76	12.8	0.0	32.8





#47
2-Chloronaphthalene
Concen: 10.824 ng
RT: 13.172 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:162 Resp: 47902

Ion	Ratio	Lower	Upper
162	100		
127	38.7	31.4	47.2
164	33.3	25.9	38.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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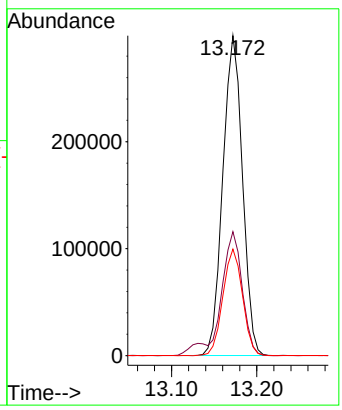
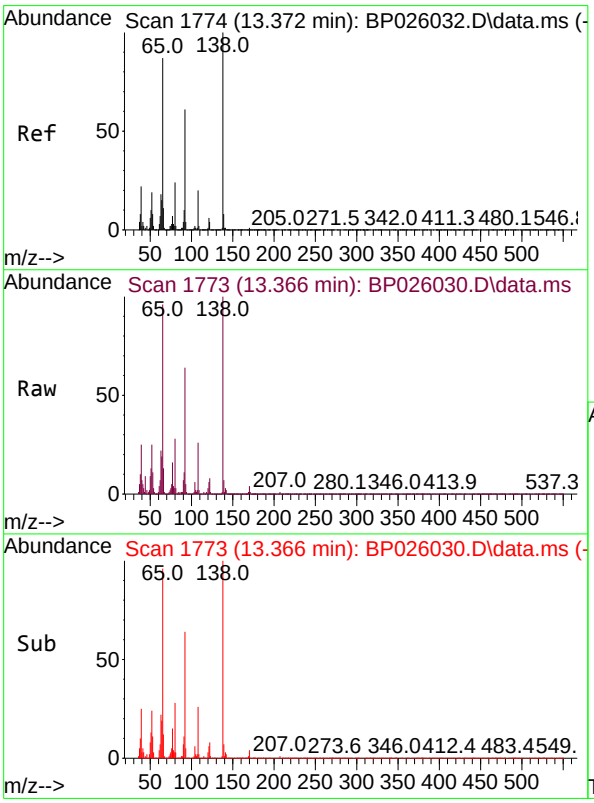
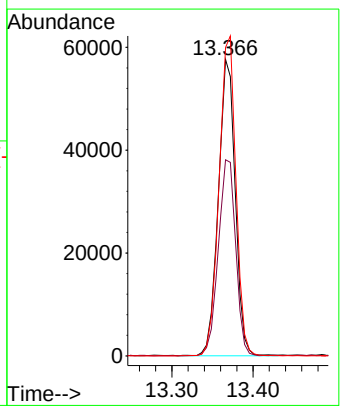


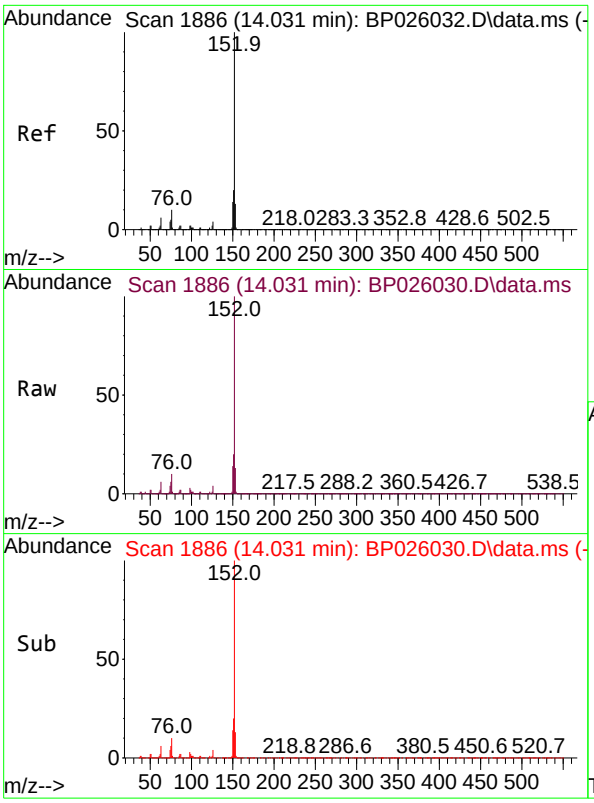


#48
2-Nitroaniline
Concen: 9.741 ng
RT: 13.366 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 65 Resp: 83149

Ion	Ratio	Lower	Upper
65	100		
92	66.2	55.5	83.3
138	104.1	91.7	137.5





#49
Acenaphthylene
Concen: 10.506 ng
RT: 14.031 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:152 Resp: 67762

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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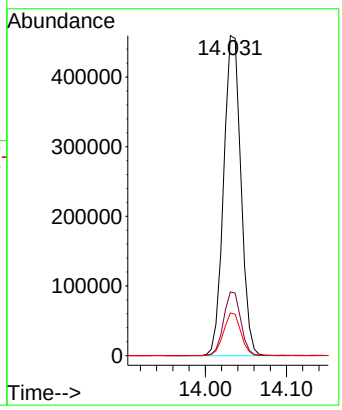
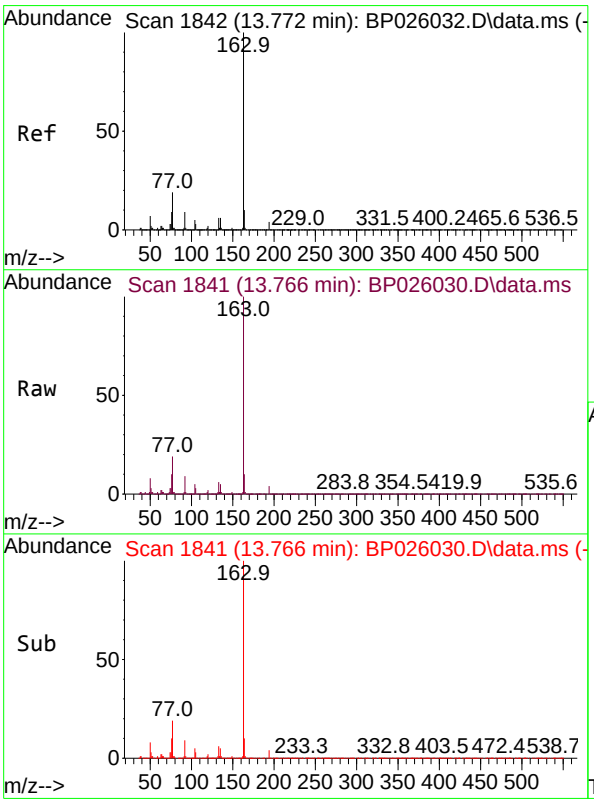
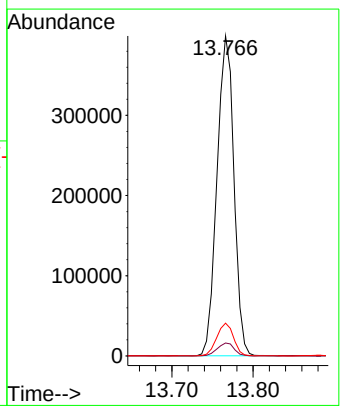


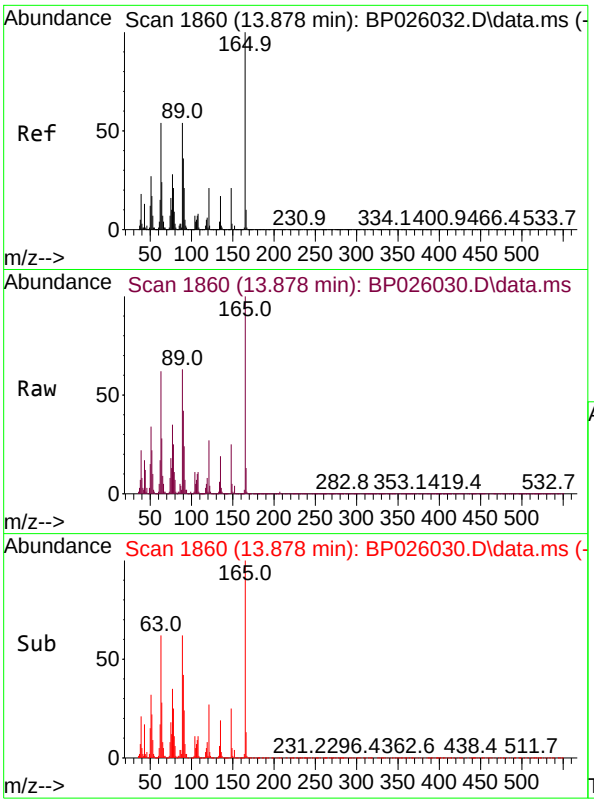


#50
Dimethylphthalate
Concen: 10.820 ng
RT: 13.766 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:163 Resp: 578145

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 9.731 ng
RT: 13.878 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:165 Resp: 7194

Ion	Ratio	Lower	Upper
165	100		
63	62.2	43.0	64.4
89	62.6	43.0	64.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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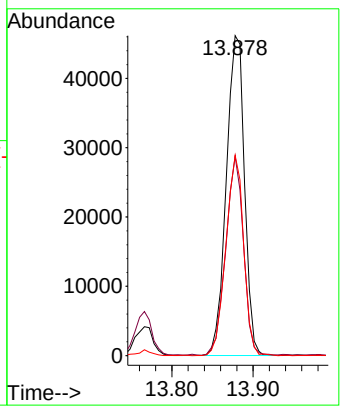
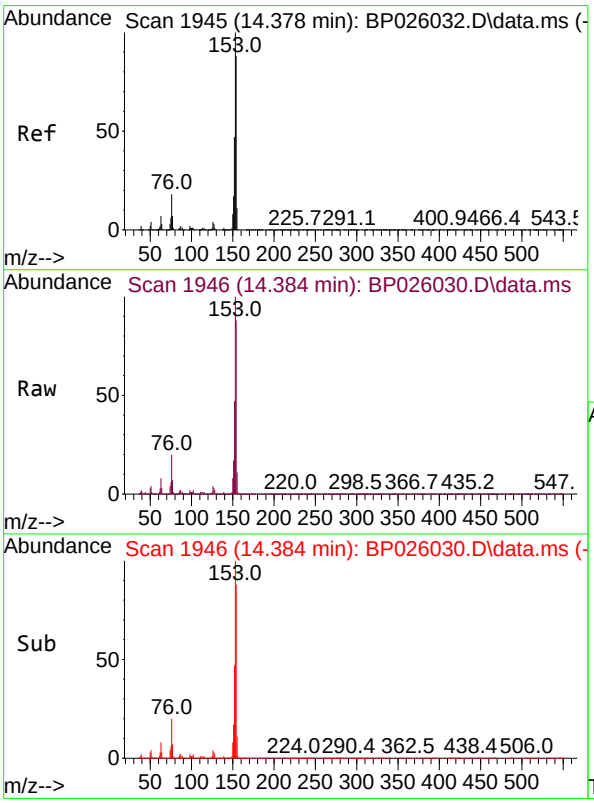
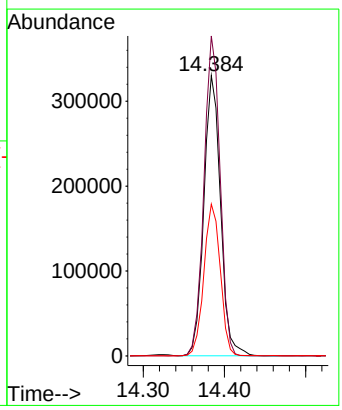


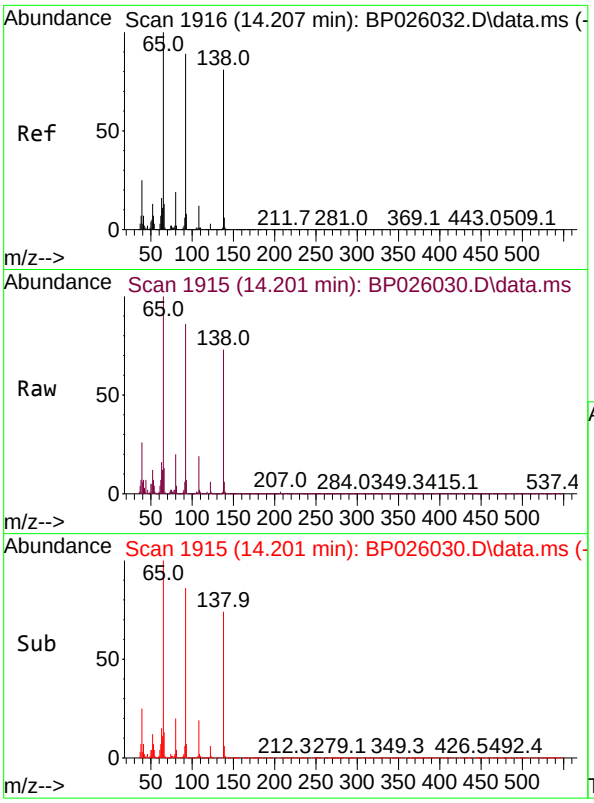


#52
Acenaphthene
Concen: 10.658 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.001 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:154 Resp: 471935

Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.0	136.4
152	54.1	42.7	64.1





#53
3-Nitroaniline
Concen: 9.962 ng
RT: 14.201 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:138 Resp: 9329

Ion	Ratio	Lower	Upper
138	100		
108	25.8	11.4	17.0#
92	116.9	87.1	130.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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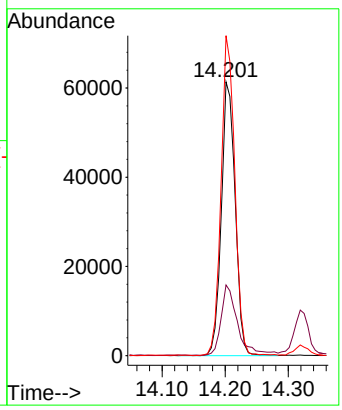
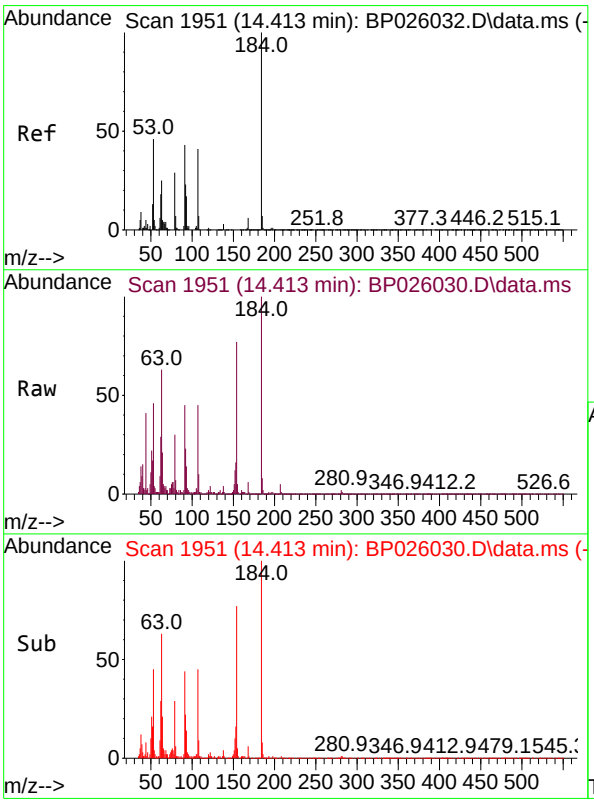
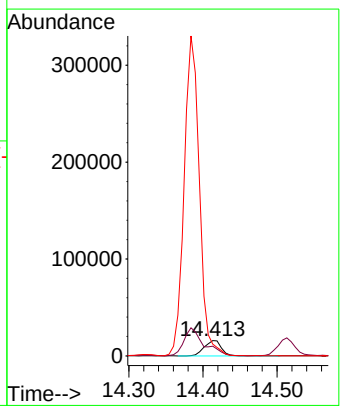


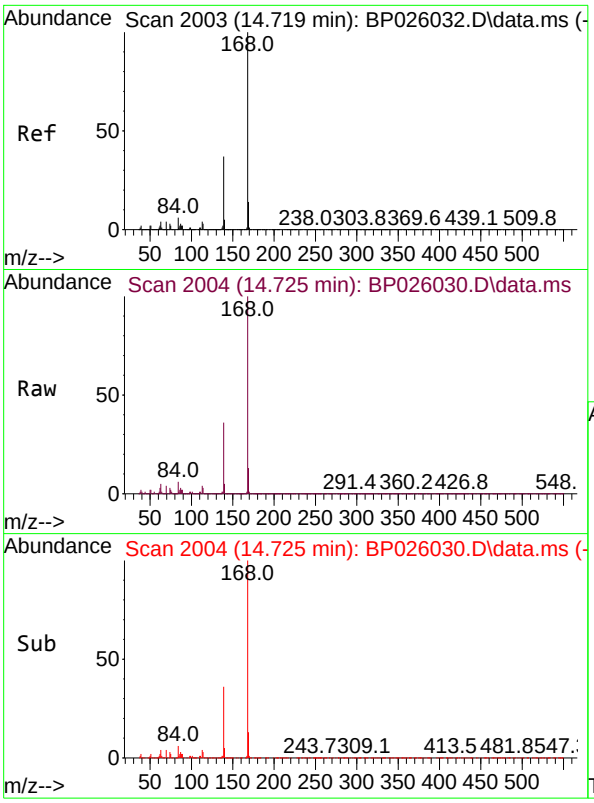


#54
2,4-Dinitrophenol
Concen: 10.017 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:184 Resp: 25388

Ion	Ratio	Lower	Upper
184	100		
63	63.5	49.0	73.4
154	77.0	51.0	76.6#





#55
Dibenzofuran
Concen: 10.966 ng
RT: 14.725 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:168 Resp: 73364

Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.7	44.5
169	13.1	11.0	16.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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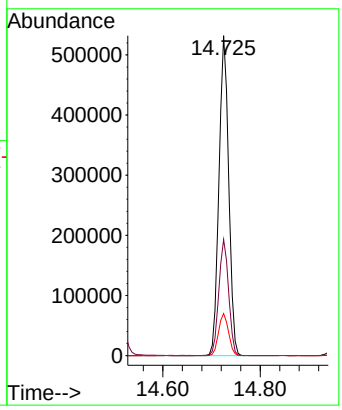
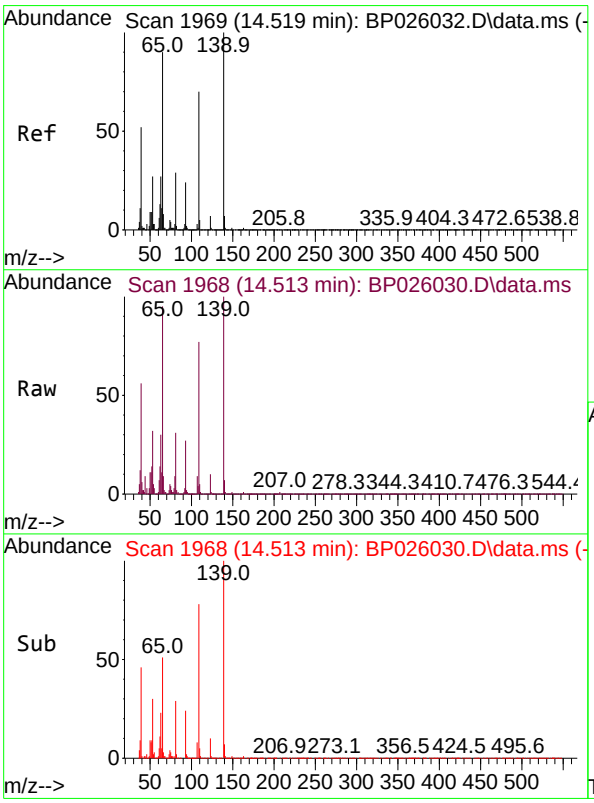
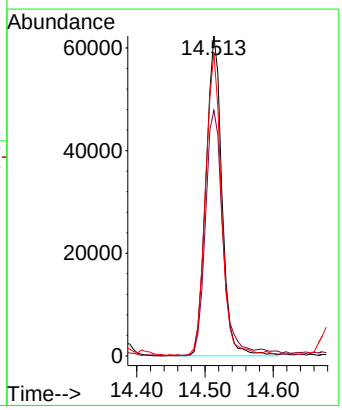


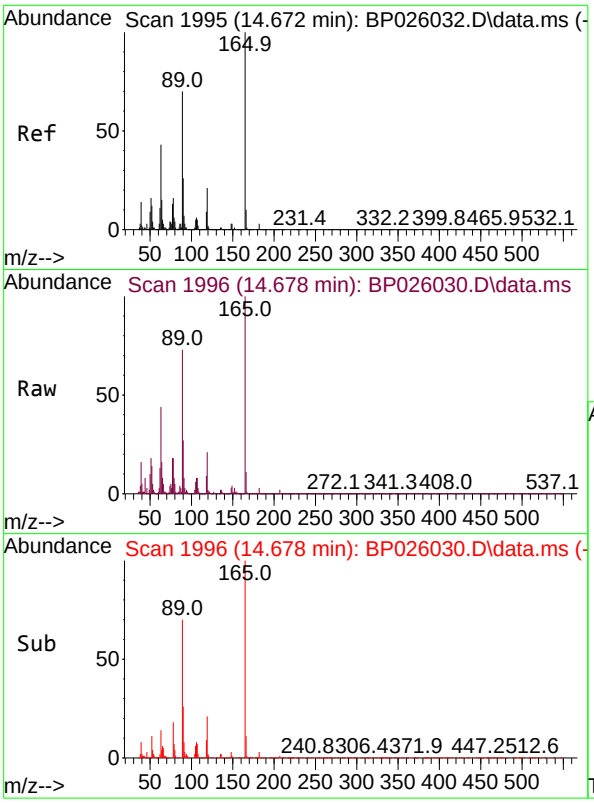


#56
4-Nitrophenol
Concen: 9.565 ng
RT: 14.513 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:139 Resp: 101905

Ion	Ratio	Lower	Upper
139	100		
109	76.7	50.0	90.0
65	94.9	69.6	109.6

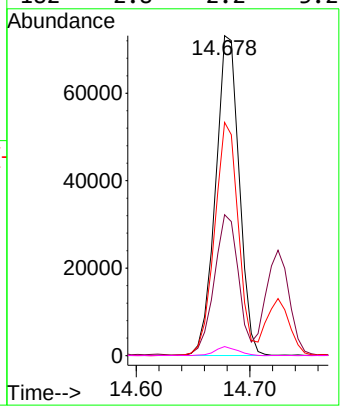




#57
2,4-Dinitrotoluene
Concen: 9.727 ng
RT: 14.678 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:165 Resp: 10582

Ion	Ratio	Lower	Upper
165	100		
63	44.0	34.2	51.2
89	72.9	56.0	84.0
182	2.8	2.2	3.2



Instrument :
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ClientSampleId :
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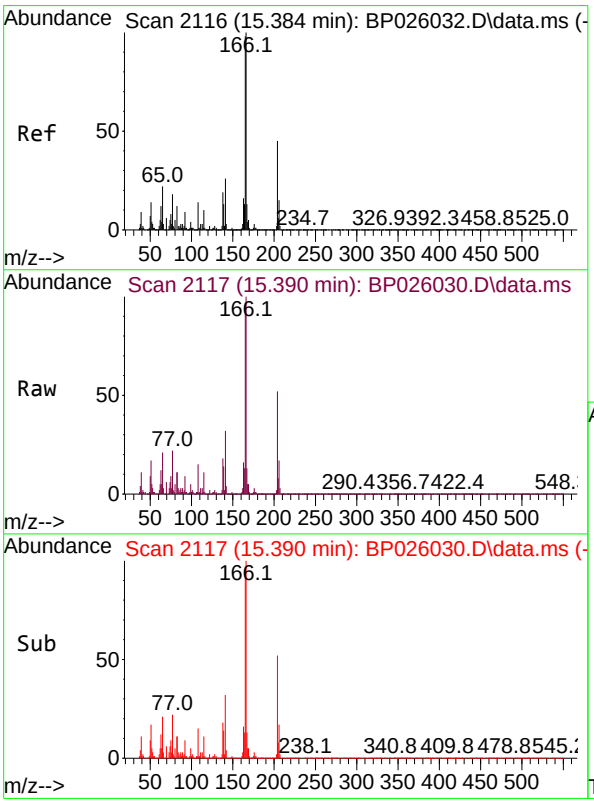
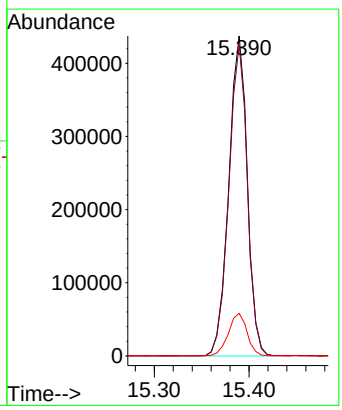
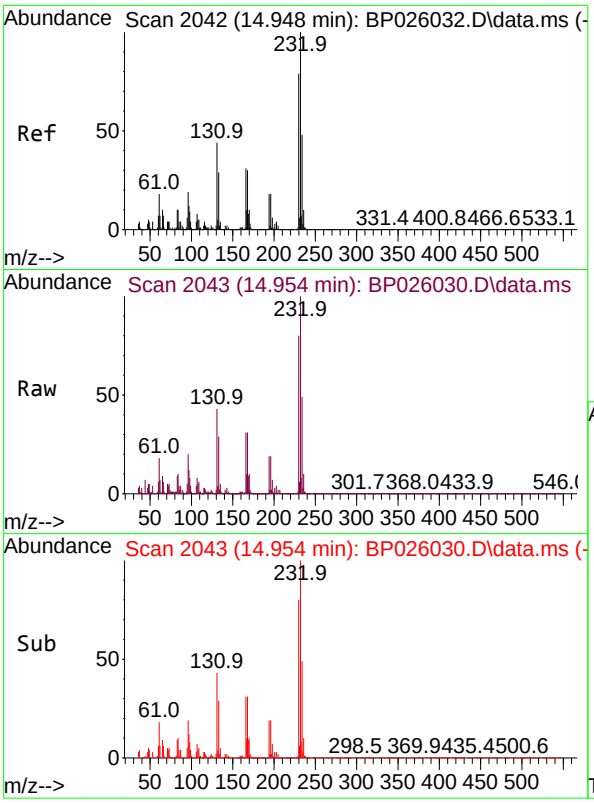


#58
Fluorene
Concen: 11.361 ng
RT: 15.390 min Scan# 2117
Delta R.T. 0.007 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:166 Resp: 595481

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.1	117.1
167	13.3	10.6	16.0

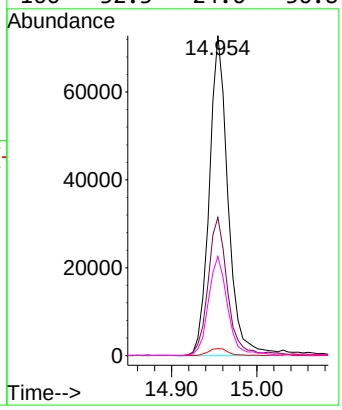




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.194 ng
RT: 14.954 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:232 Resp: 11127

Ion	Ratio	Lower	Upper
232	100		
131	44.1	35.2	52.8
130	2.4	1.7	2.5
166	32.3	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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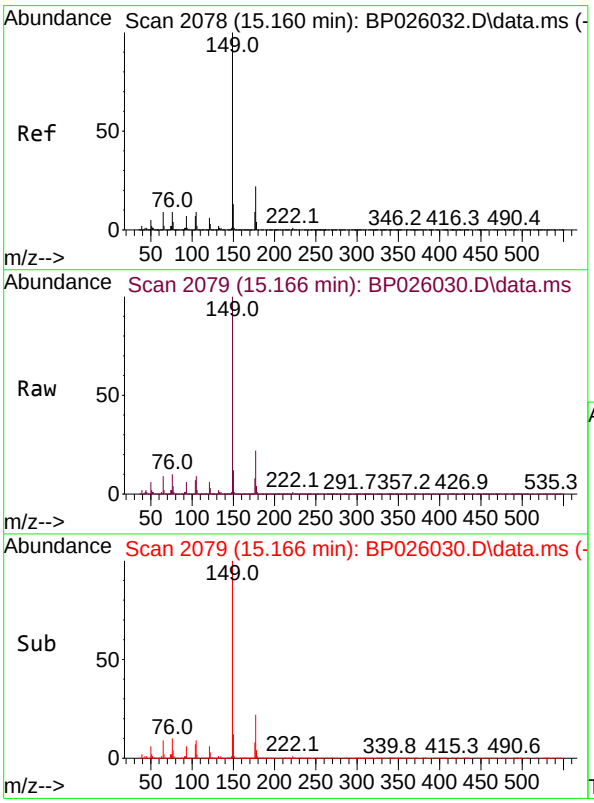
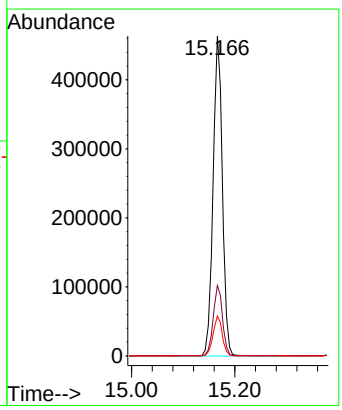
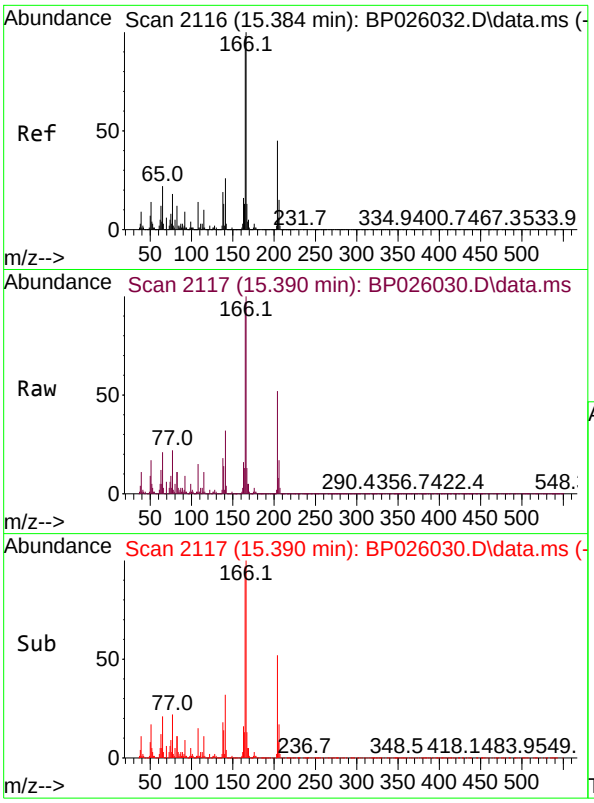


#60
Diethylphthalate
Concen: 10.734 ng
RT: 15.166 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:149 Resp: 576582

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.9	26.9
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 11.267 ng
RT: 15.390 min Scan# 2
Delta R.T. 0.001 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:204 Resp: 294916

Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.2	39.2
141	60.7	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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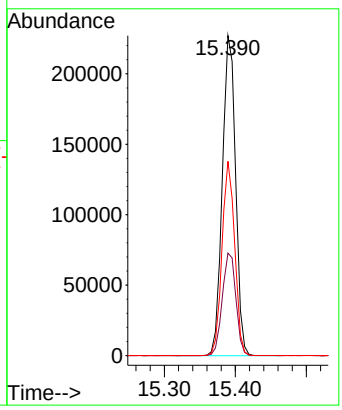
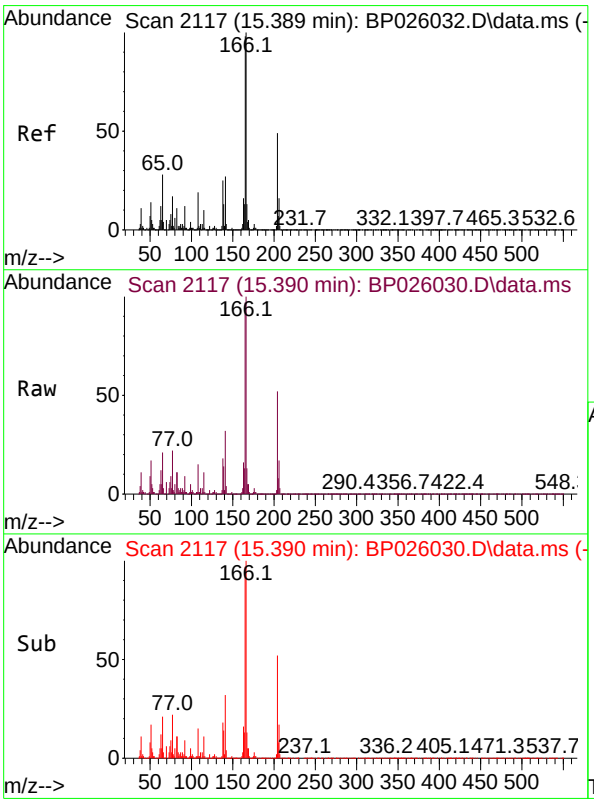
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

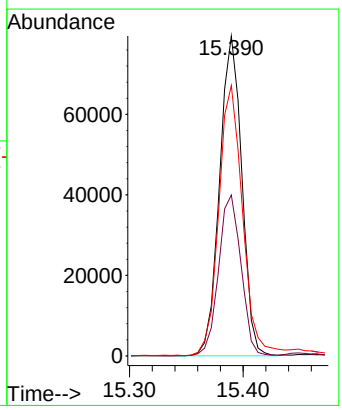


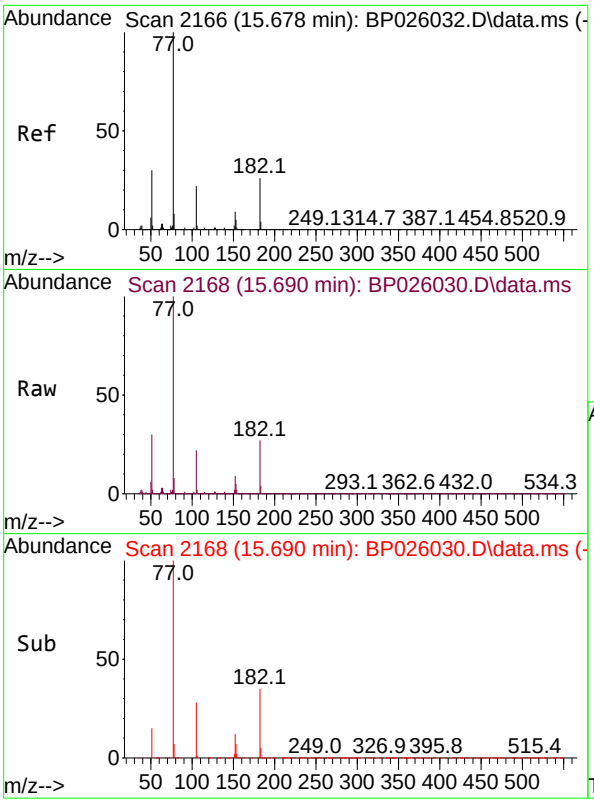


#62
4-Nitroaniline
Concen: 9.461 ng
RT: 15.390 min Scan# 2117
Delta R.T. -0.011 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:138 Resp: 108022

Ion	Ratio	Lower	Upper
138	100		
92	50.3	28.2	68.2
108	84.5	56.0	96.0





#63
Azobenzene
Concen: 11.130 ng
RT: 15.690 min Scan# 2
Delta R.T. 0.001 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 77 Resp: 541815

Ion	Ratio	Lower	Upper
77	100		
182	26.7	6.4	46.4
105	22.2	2.2	42.2
51	30.1	10.3	50.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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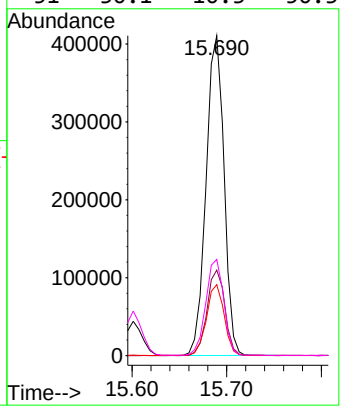
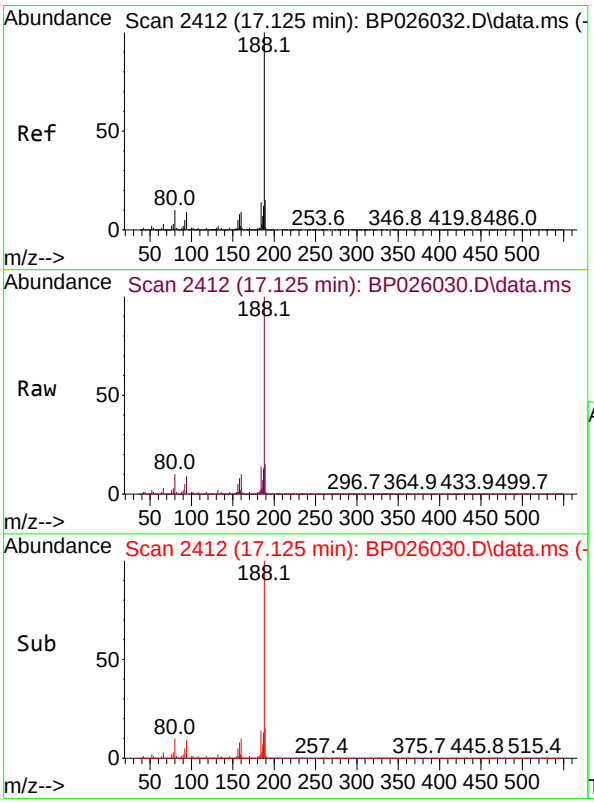
Supervised By :Jagrut Upadhyay 11/04/2025

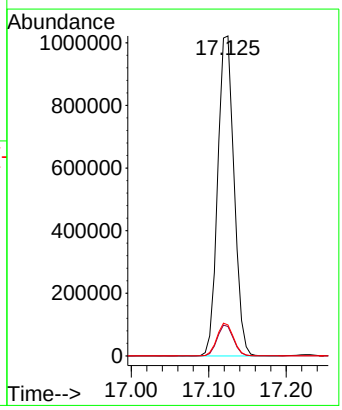


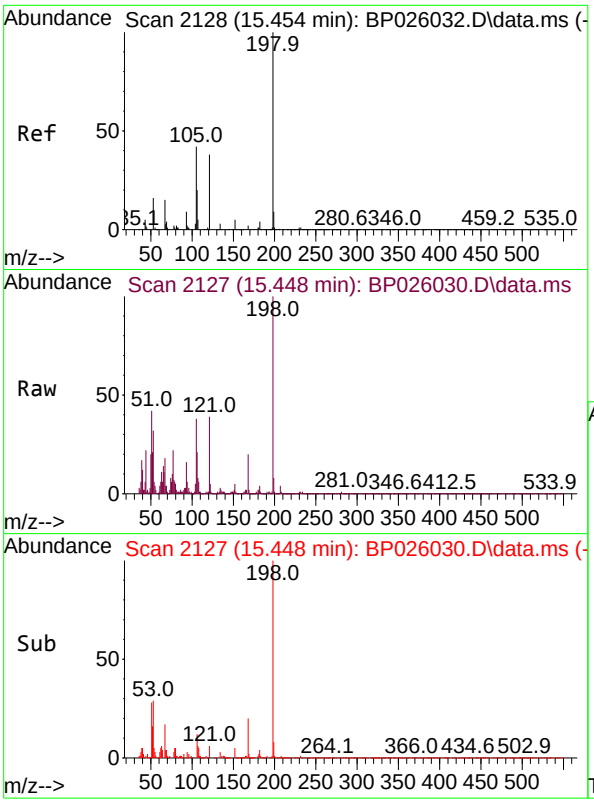


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:188 Resp: 1497196

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.1	10.7
80	9.7	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 10.014 ng
RT: 15.448 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:198 Resp: 3964

Ion	Ratio	Lower	Upper
198	100		
51	42.2	25.2	65.2
105	38.4	23.7	63.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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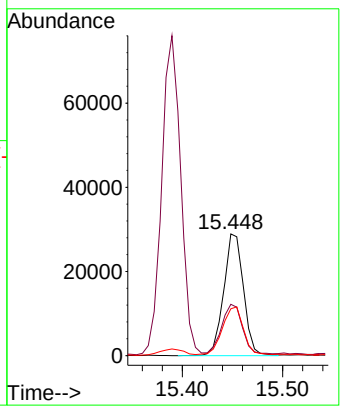
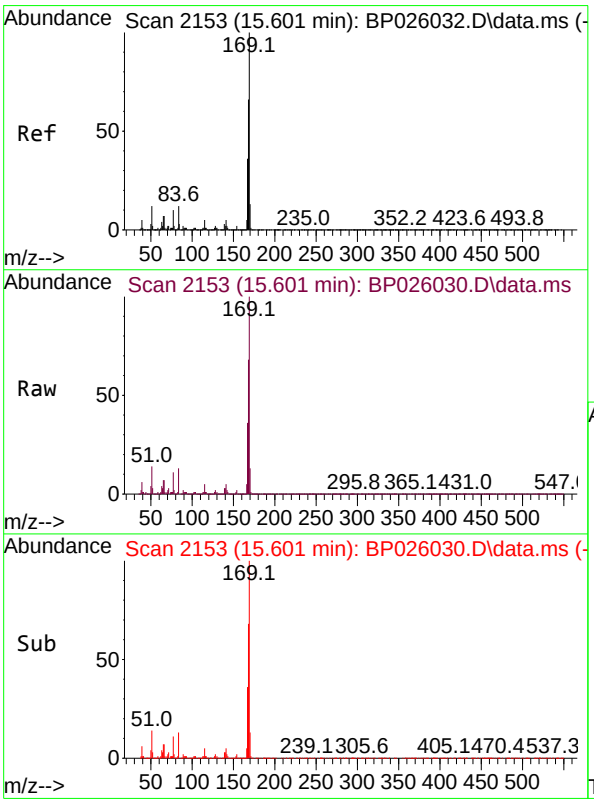
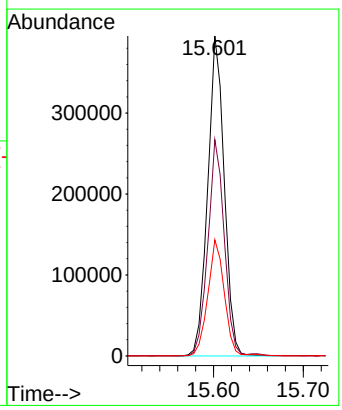


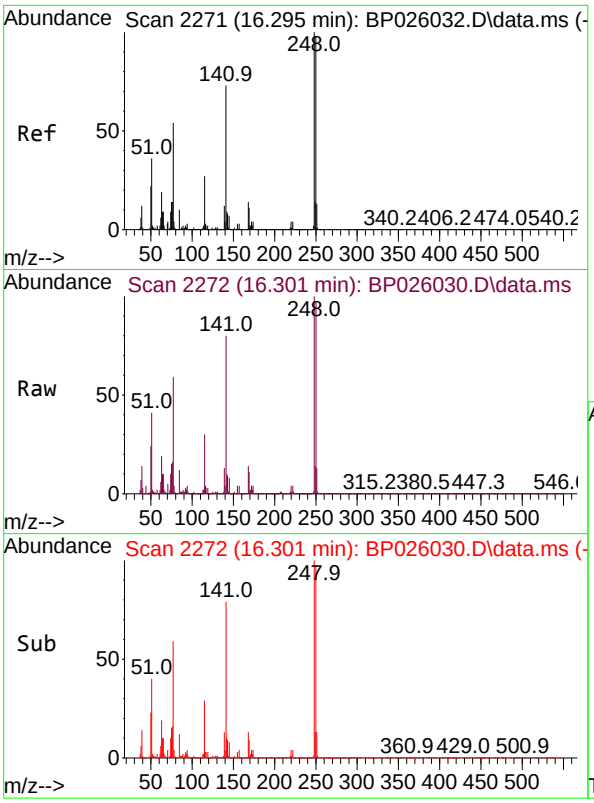


#66
n-Nitrosodiphenylamine
Concen: 10.850 ng
RT: 15.601 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:169 Resp: 507903

Ion	Ratio	Lower	Upper
169	100		
168	67.6	52.9	79.3
167	36.3	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 10.547 ng
RT: 16.301 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:248 Resp: 175158

Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.4	117.6
141	79.7	58.3	87.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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Reviewed By :Rahul Chavli 10/30/2025
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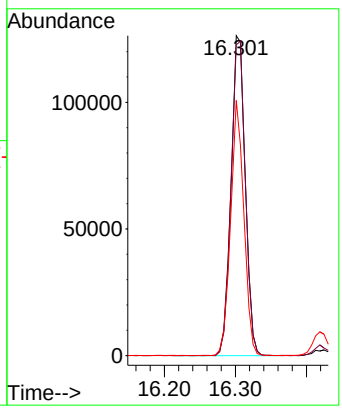
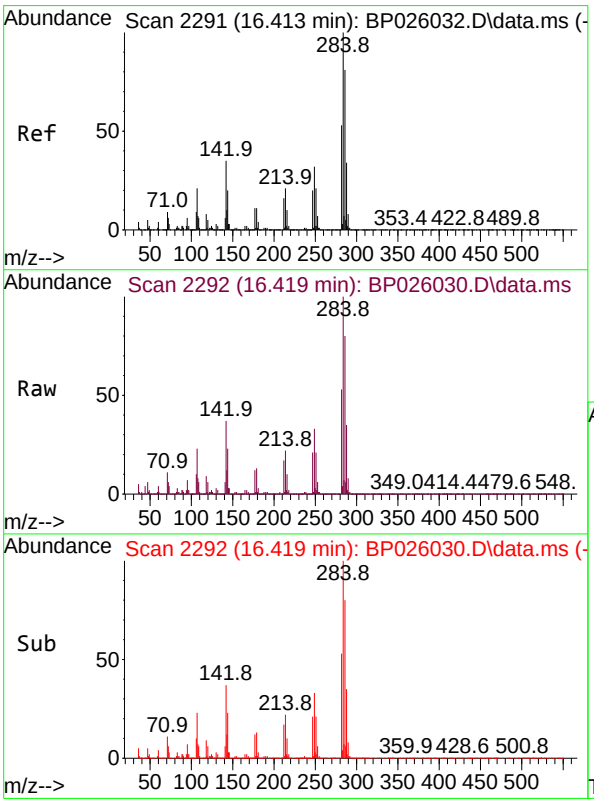
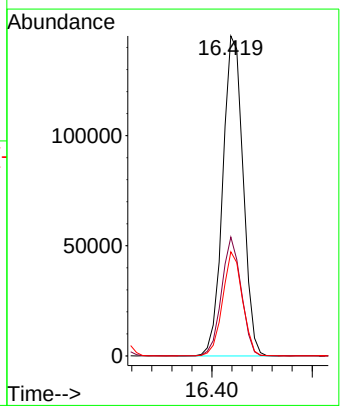


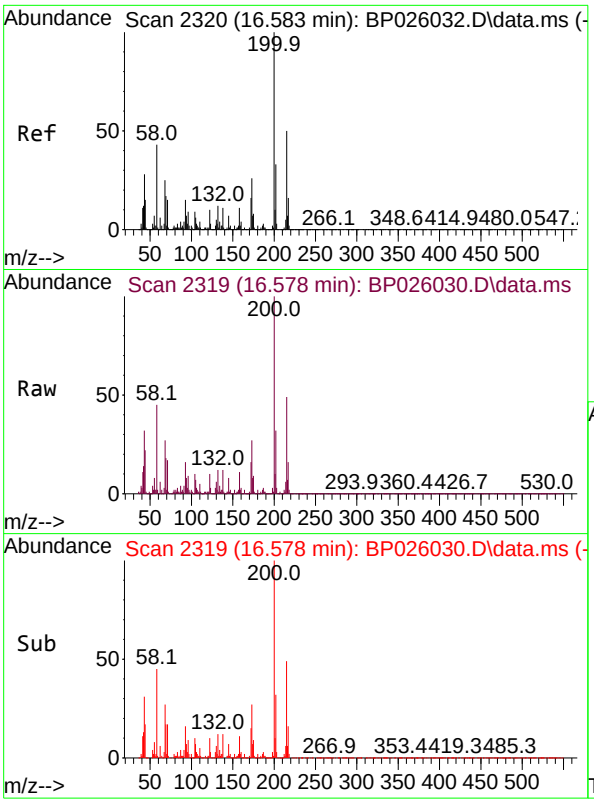


#68
Hexachlorobenzene
Concen: 10.824 ng
RT: 16.419 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:284 Resp: 204634

Ion	Ratio	Lower	Upper
284	100		
142	37.1	27.7	41.5
249	32.5	25.5	38.3





#69
Atrazine
Concen: 10.103 ng
RT: 16.578 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:200 Resp: 15953

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.2	46.2
215	49.1	29.8	69.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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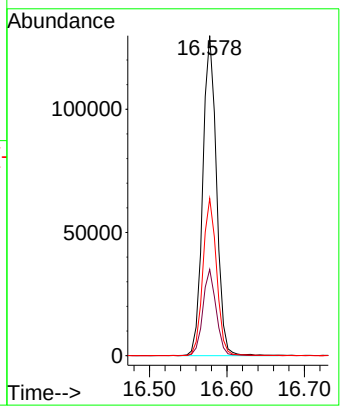
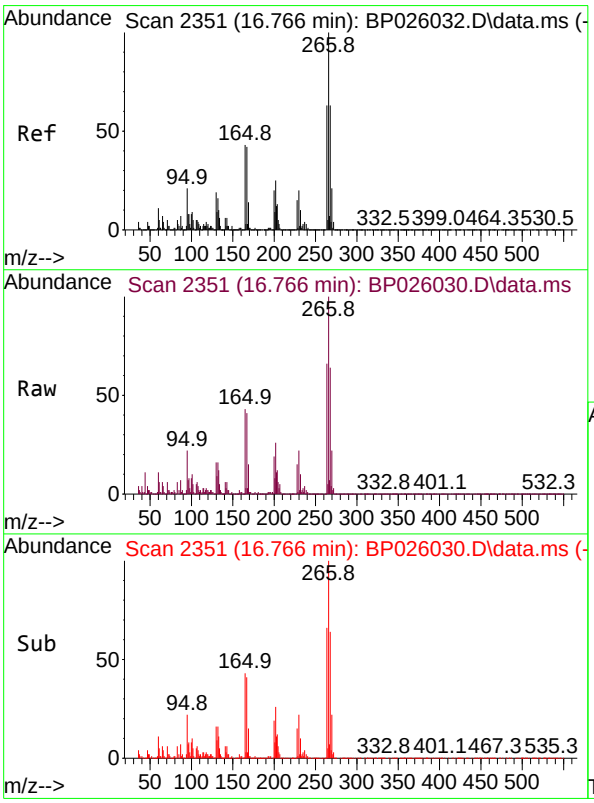
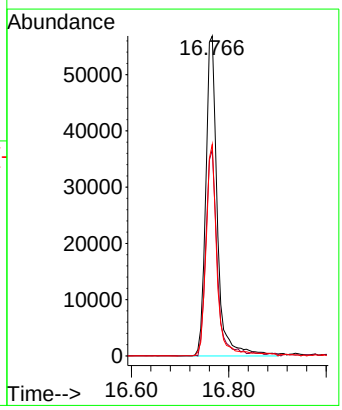


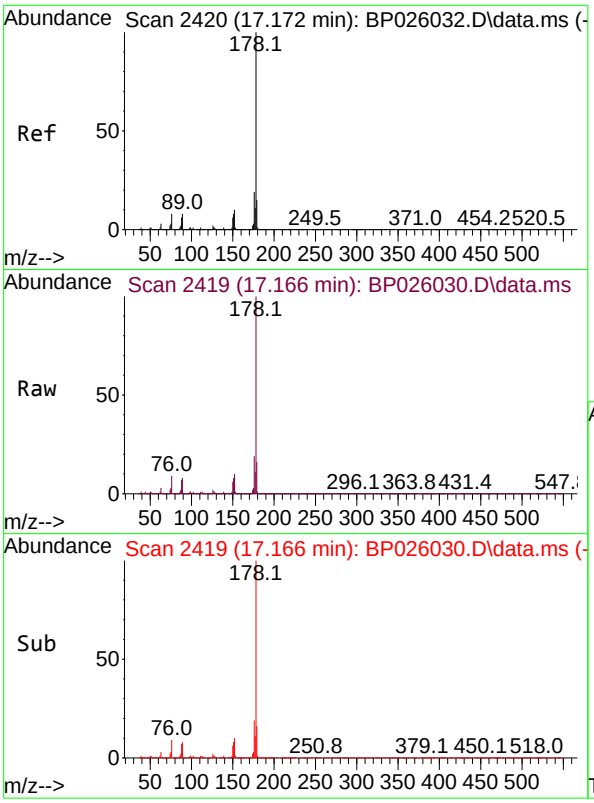


#70
Pentachlorophenol
Concen: 8.152 ng
RT: 16.766 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:266 Resp: 94142

Ion	Ratio	Lower	Upper
266	100		
268	64.4	50.6	76.0
264	66.1	50.2	75.4





#71
Phenanthrene
Concen: 11.064 ng
RT: 17.166 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:178 Resp: 964196

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.8	12.3	18.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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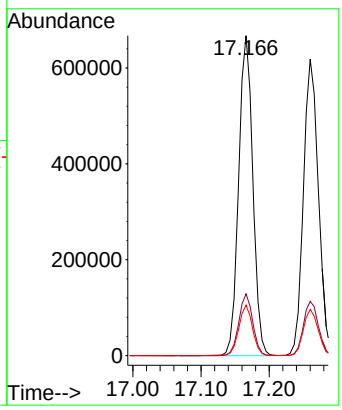
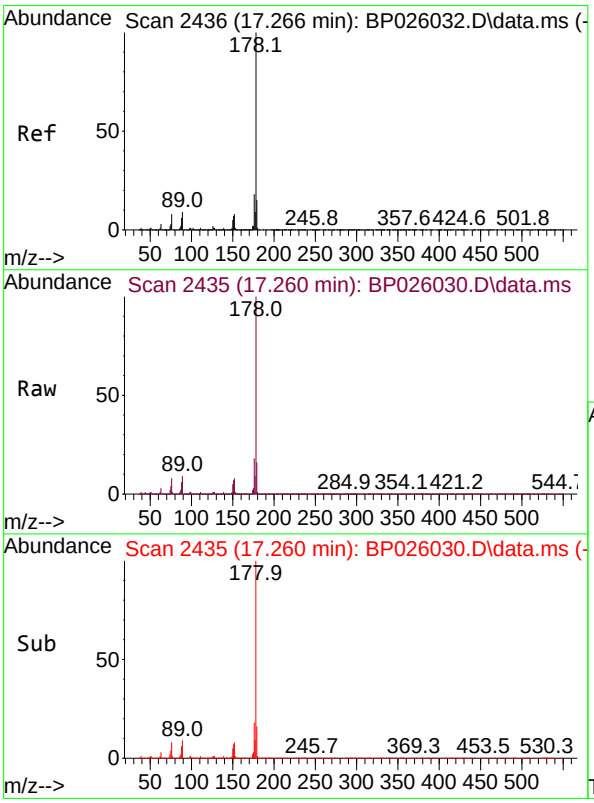
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

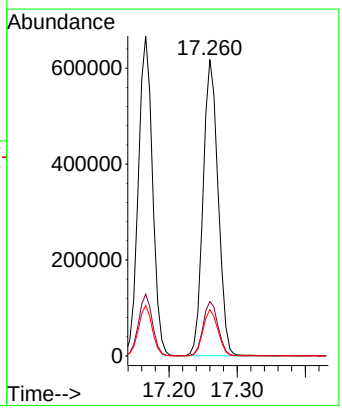


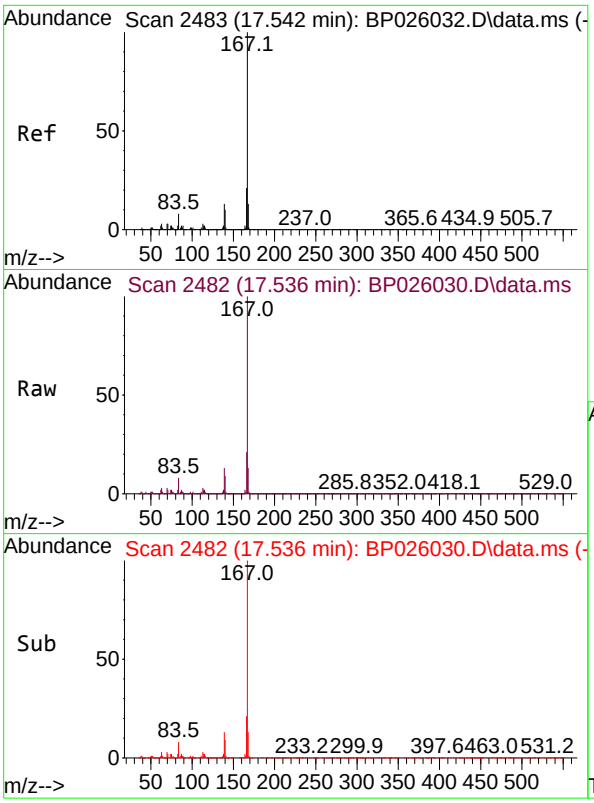


#72
Anthracene
Concen: 10.941 ng
RT: 17.260 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:178 Resp: 945078

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.6	12.2	18.4





#73
Carbazole
Concen: 10.729 ng
RT: 17.536 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:167 Resp: 877310

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.6	10.2	15.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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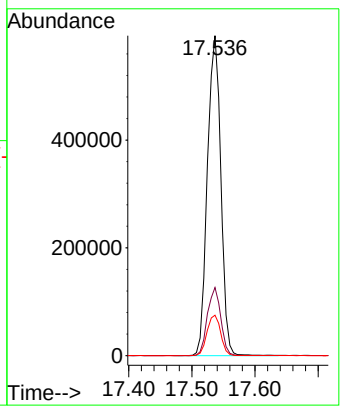
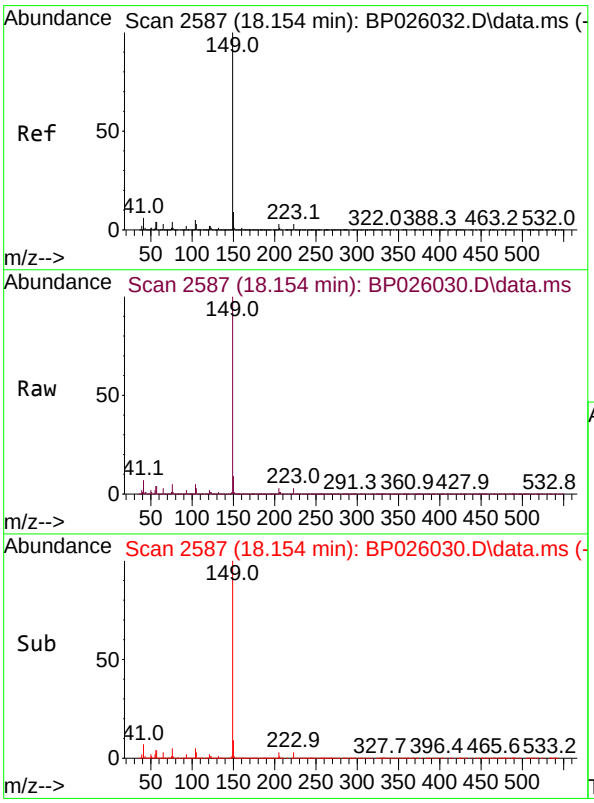
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

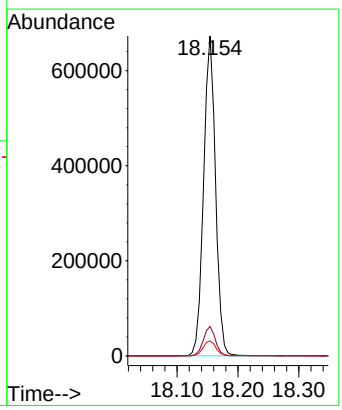


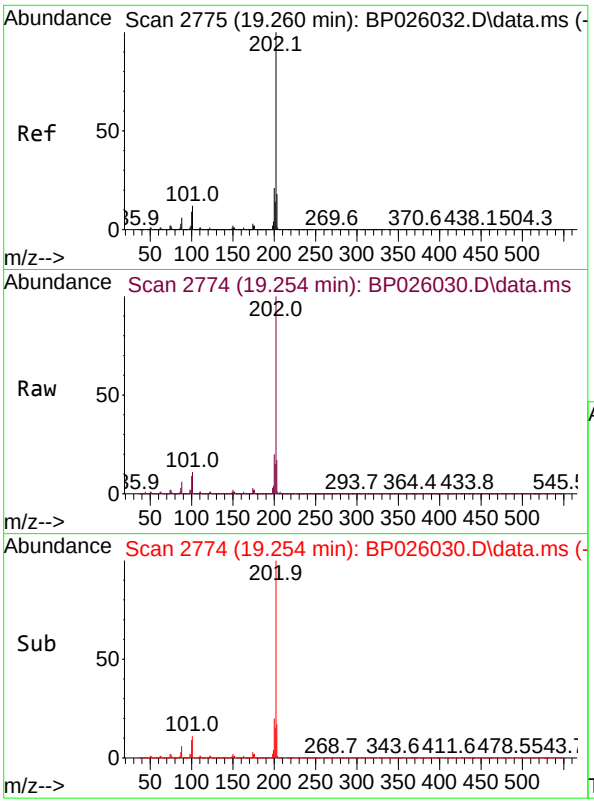


#74
Di-n-butylphthalate
Concen: 9.974 ng
RT: 18.154 min Scan# 2587
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:149 Resp: 912617

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	3.8	5.6





#75
Fluoranthene
Concen: 10.821 ng
RT: 19.254 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:202 Resp: 110003

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	32.1
203	17.4	0.0	37.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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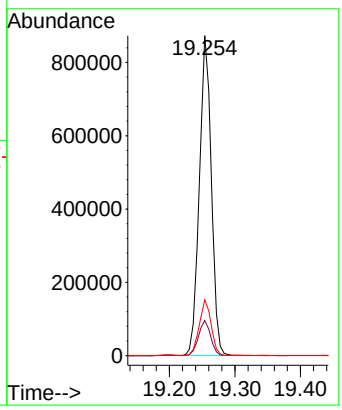
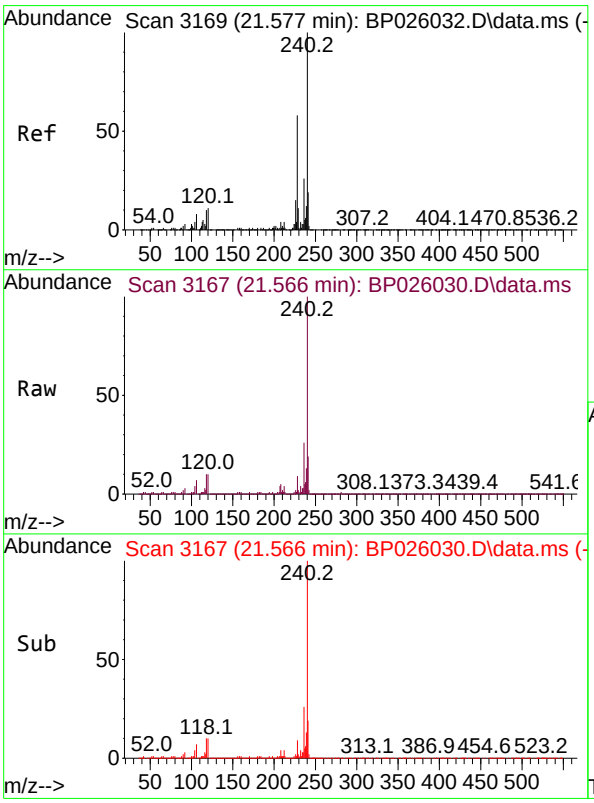
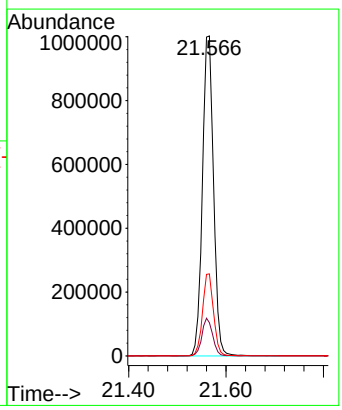


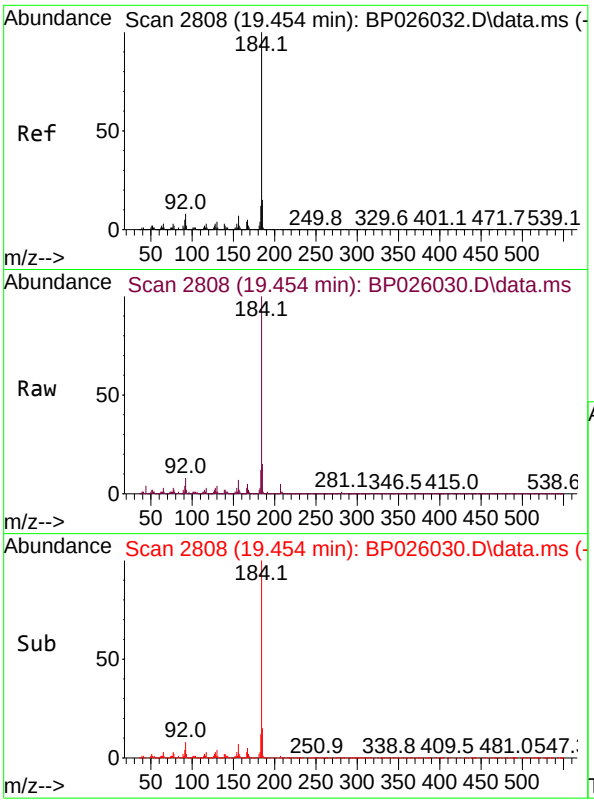


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:240 Resp: 1590140

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.9	13.3
236	25.6	20.6	31.0





#77
Benzidine
Concen: 8.106 ng
RT: 19.454 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:184 Resp: 327160

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	12.2	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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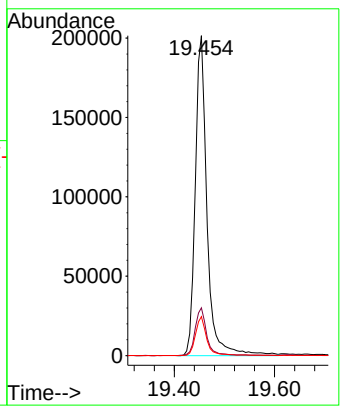
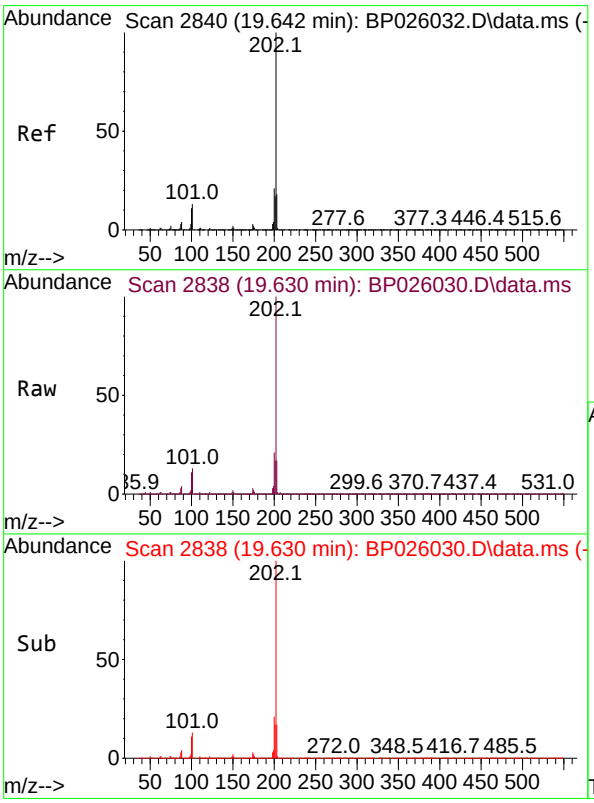
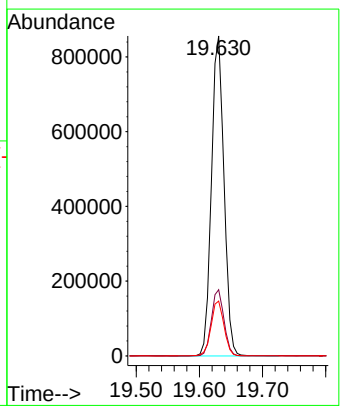


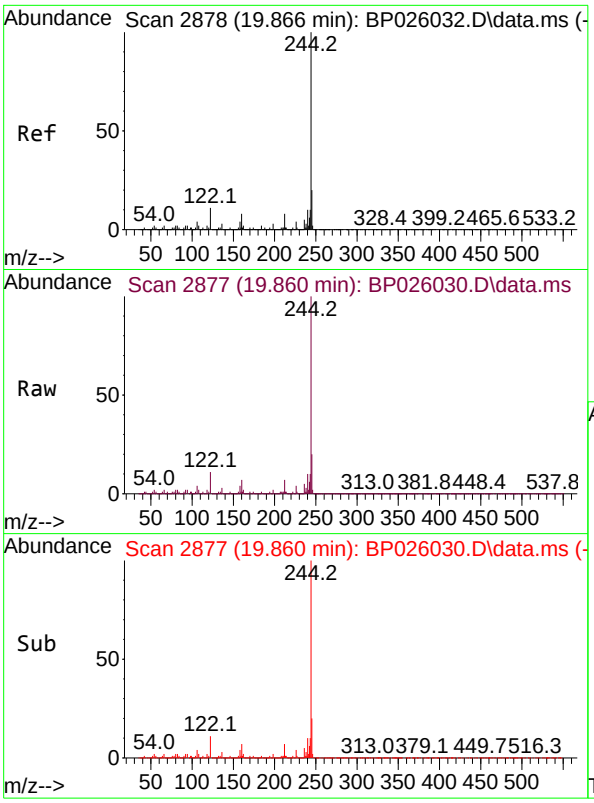


#78
Pyrene
Concen: 10.997 ng
RT: 19.630 min Scan# 2838
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:202 Resp: 1182711

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.2	14.0	21.0





#79
Terphenyl-d14
Concen: 22.846 ng
RT: 19.860 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:244 Resp: 178811

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	11.2	9.0	13.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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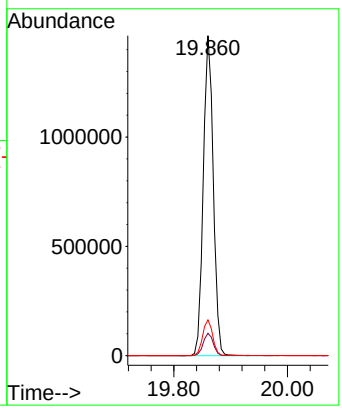
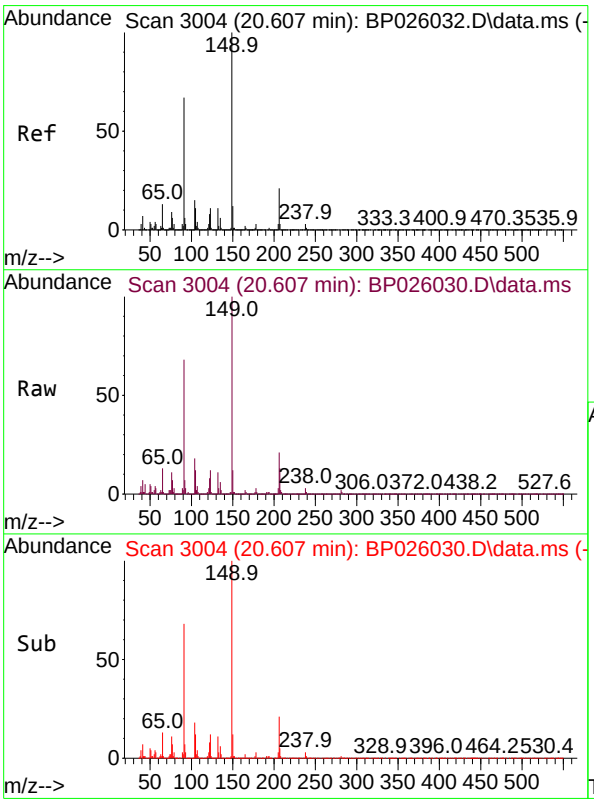
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

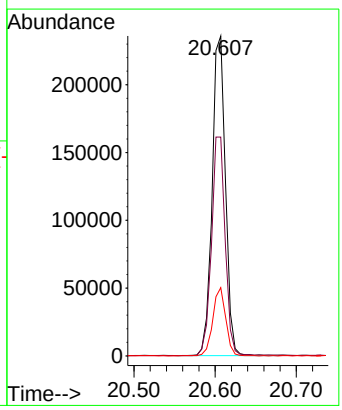


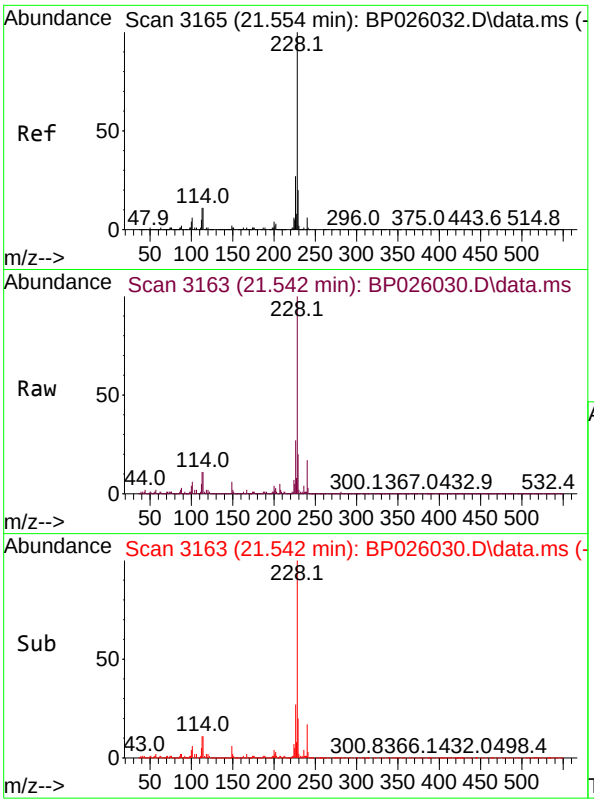


#80
Butylbenzylphthalate
Concen: 9.589 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:149 Resp: 267569

Ion	Ratio	Lower	Upper
149	100		
91	68.4	53.5	80.3
206	21.3	16.6	25.0





#81
Benzo(a)anthracene
Concen: 10.894 ng
RT: 21.542 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

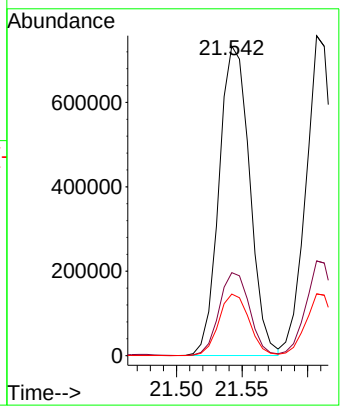
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

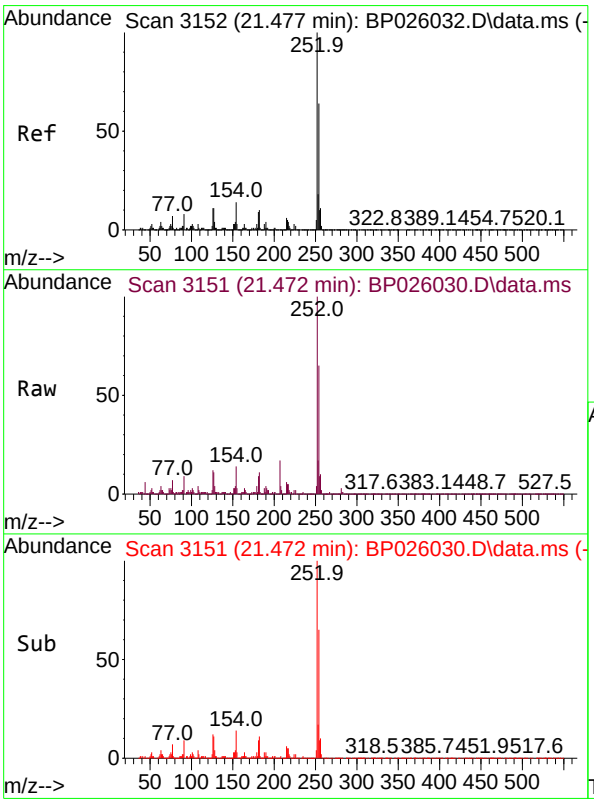
Tgt Ion:228 Resp: 119037

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.9	15.8	23.8

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

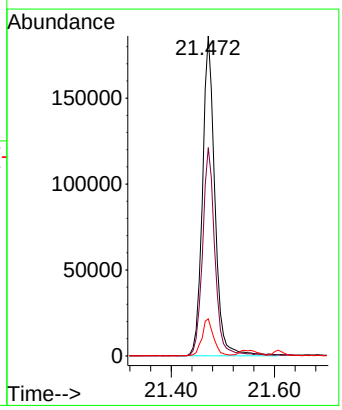


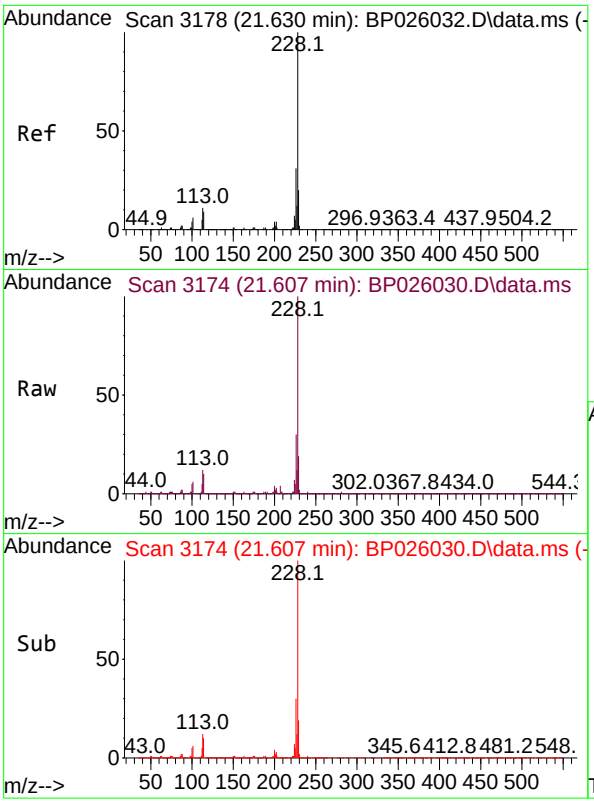


#82
3,3'-Dichlorobenzidine
Concen: 8.812 ng
RT: 21.472 min Scan# 3151
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:252 Resp: 310231

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.3	76.9
126	11.6	9.1	13.7





#83
Chrysene
Concen: 10.940 ng
RT: 21.607 min Scan# 3
Delta R.T. -0.011 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

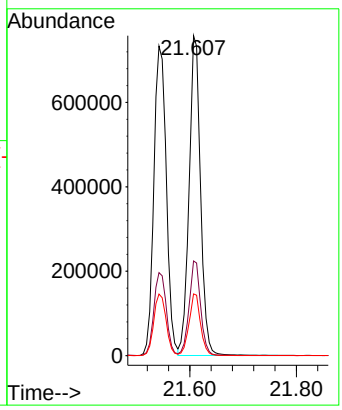
Tgt Ion:228 Resp: 1132388

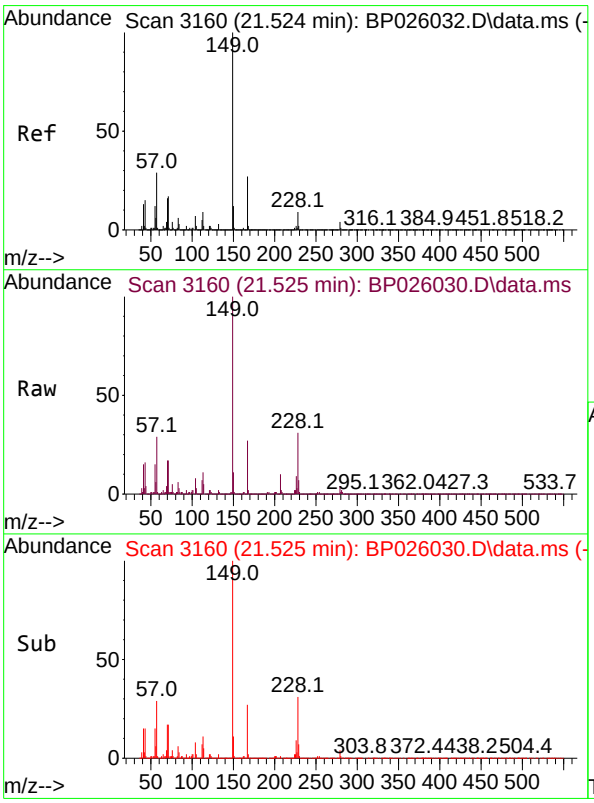
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.4	36.6
229	19.3	16.0	24.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

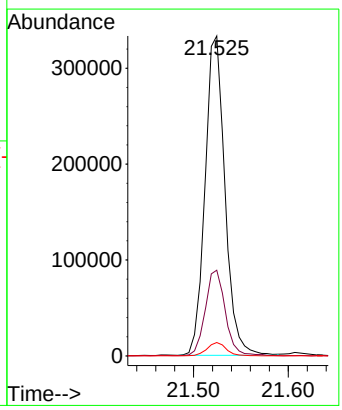


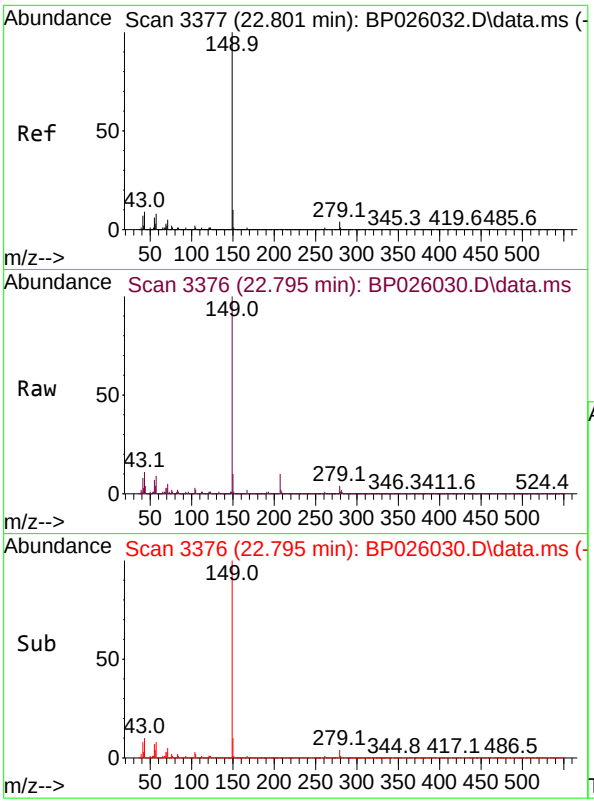


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.805 ng
RT: 21.525 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:149 Resp: 487334

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.5	32.3
279	4.2	3.0	4.6





#85
Di-n-octyl phthalate
Concen: 6.903 ng
RT: 22.795 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

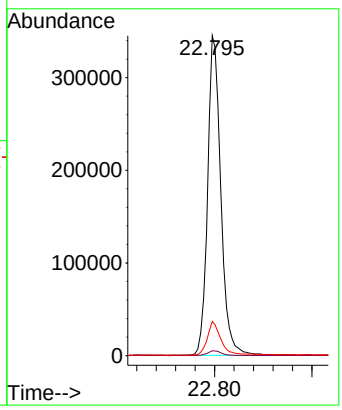
Tgt Ion:149 Resp: 653399

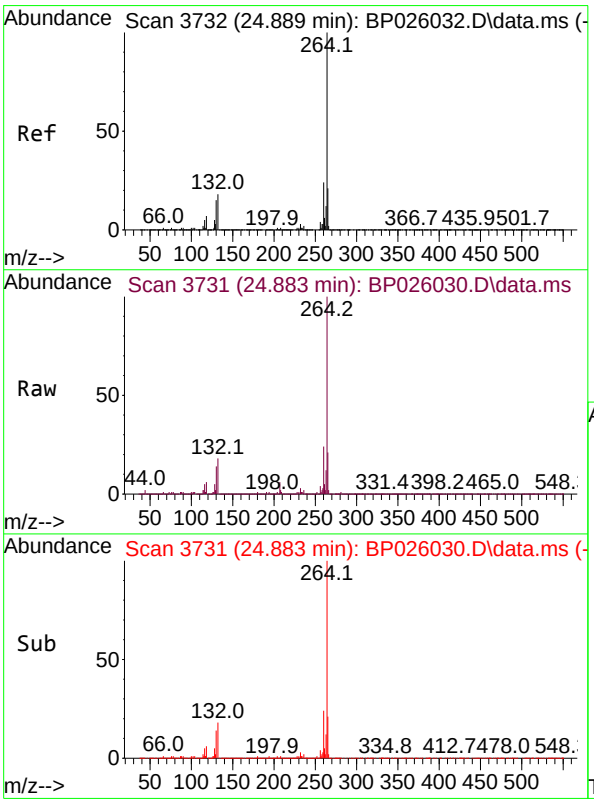
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.3	7.6	11.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

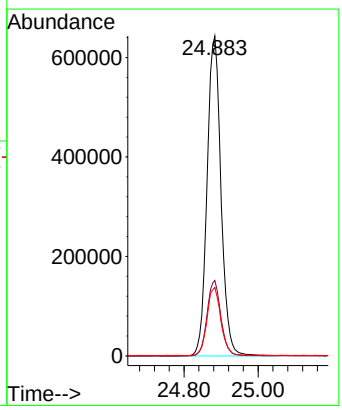


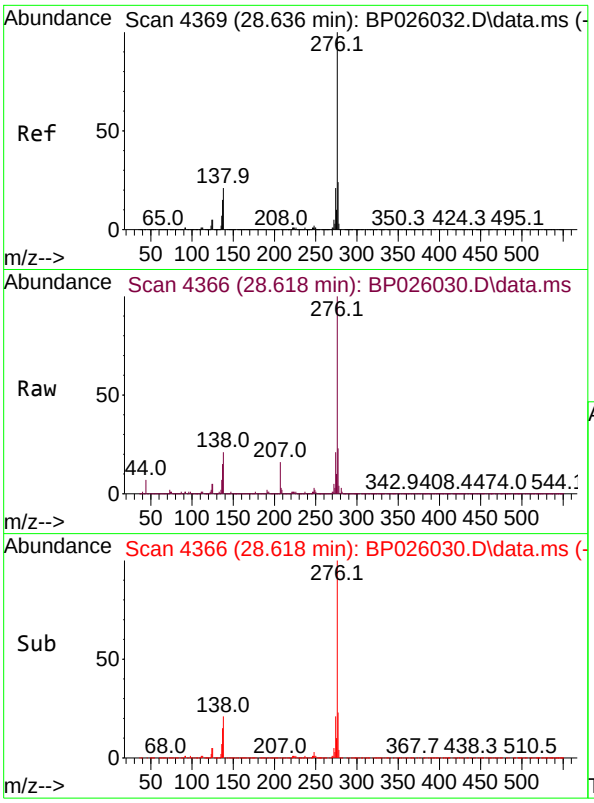


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:264 Resp: 1674719

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.4	17.2	25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.070 ng m
RT: 28.618 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

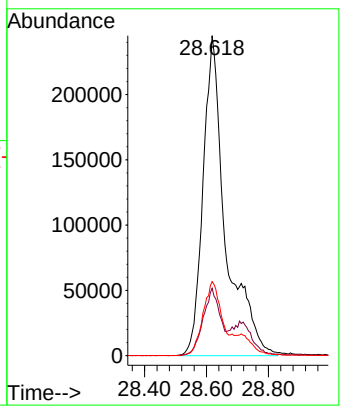
Tgt Ion:276 Resp: 124450

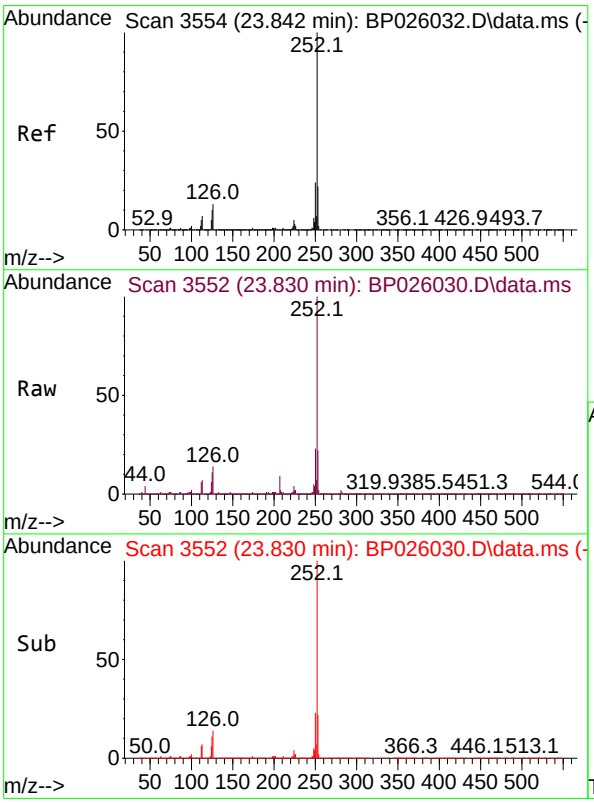
Ion	Ratio	Lower	Upper
276	100		
138	16.1	13.2	19.8
277	20.8	16.3	24.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

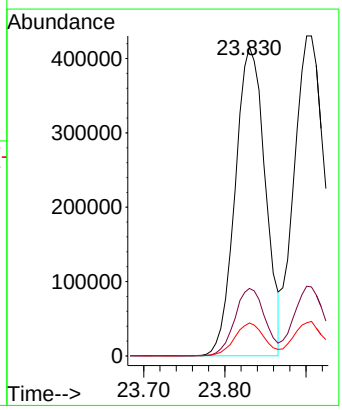


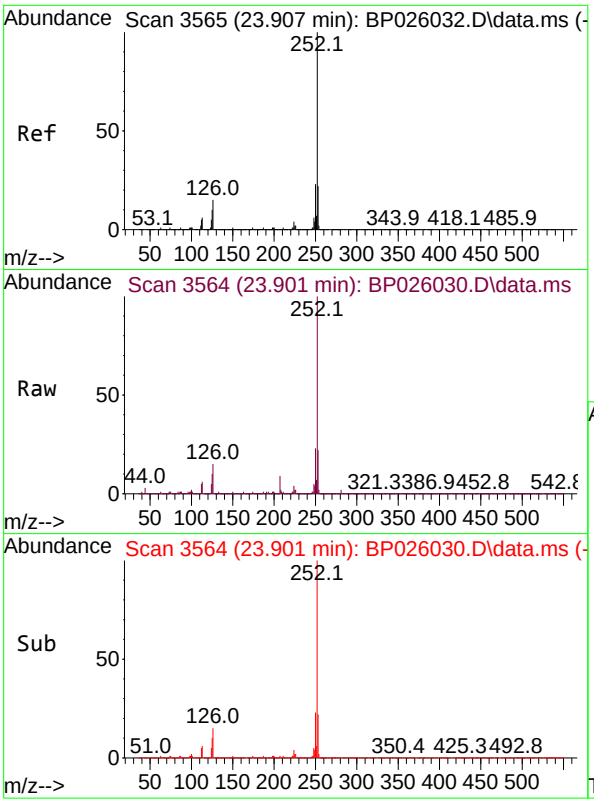


#88
Benzo(b)fluoranthene
Concen: 10.284 ng
RT: 23.830 min Scan# 3552
Delta R.T. -0.017 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:252 Resp: 1069169

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.6	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 10.769 ng
RT: 23.901 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

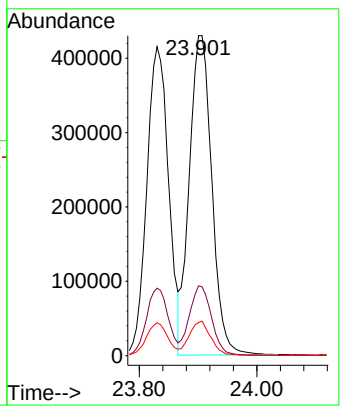
Tgt Ion:252 Resp: 1143258

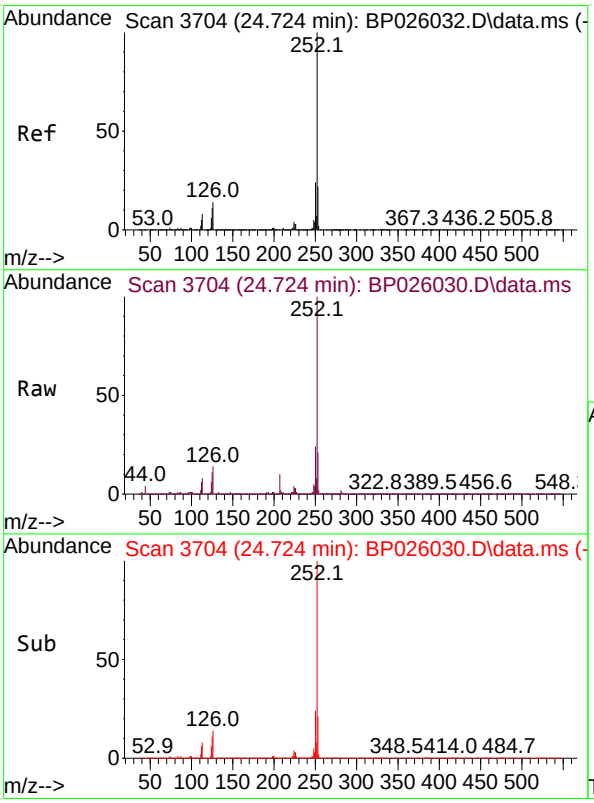
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.3	8.1	12.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

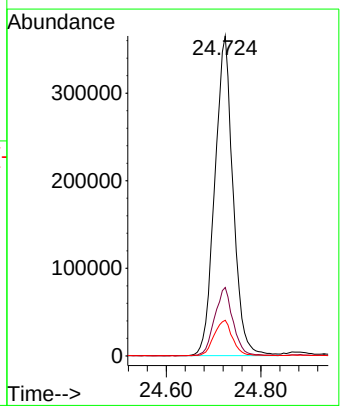


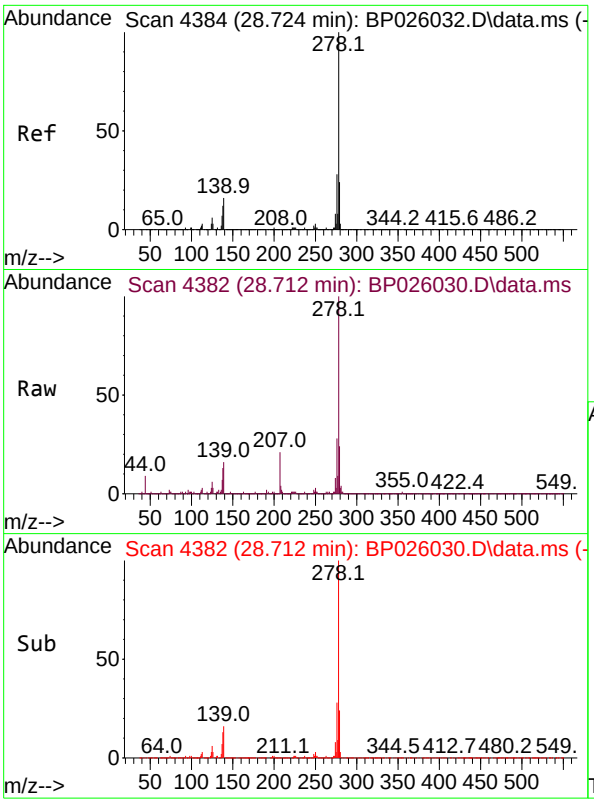


#90
Benzo(a)pyrene
Concen: 10.247 ng
RT: 24.724 min Scan# 3704
Delta R.T. -0.017 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:252 Resp: 978750

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.3	25.9
125	11.2	9.1	13.7





#91
Dibenzo(a,h)anthracene
Concen: 10.142 ng
RT: 28.712 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

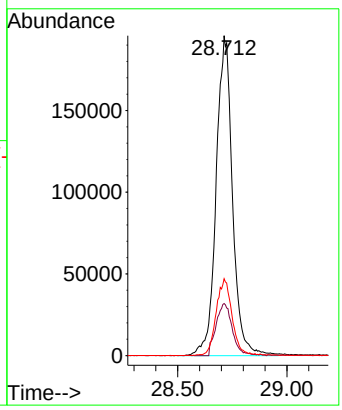
Tgt Ion:278 Resp: 102048

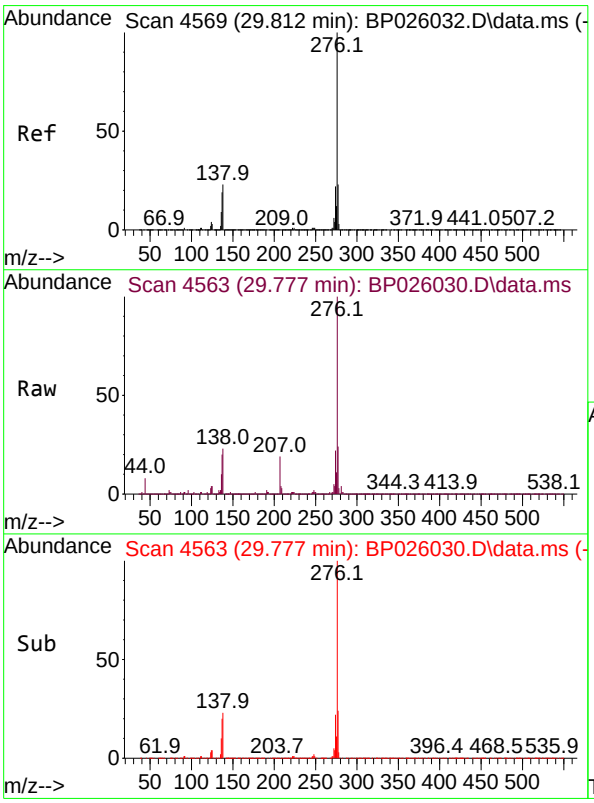
Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.0	19.6
279	24.0	18.9	28.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

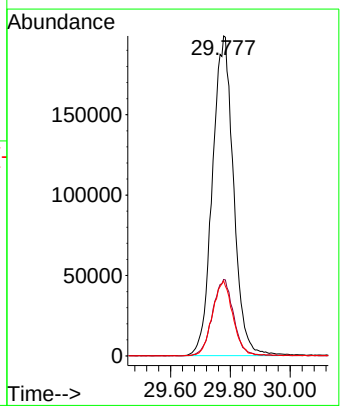




#92
Benzo(g,h,i)perylene
Concen: 10.093 ng
RT: 29.777 min Scan# 4563
Delta R.T. -0.053 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:276 Resp: 977235

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	23.4	18.1	27.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026031.D
Acq On : 29 Oct 2025 11:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 18:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	347170	20.000	ng	0.00
21) Naphthalene-d8	10.449	136	1426046	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	884189	20.000	ng	0.00
64) Phenanthrene-d10	17.119	188	1764983	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1935916	20.000	ng	0.01
86) Perylene-d12	24.889	264	2082873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	856596	40.714	ng	0.00
7) Phenol-d6	6.849	99	1092661	40.803	ng	0.00
23) Nitrobenzene-d5	8.819	82	931308	40.712	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	385788	40.359	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	2570497	41.774	ng	-0.01
79) Terphenyl-d14	19.860	244	3920732	41.147	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	180212	20.318	ng	100
3) Pyridine	3.625	79	516467	20.483	ng	99
4) n-Nitrosodimethylamine	3.537	42	205014	20.287	ng	99
6) Aniline	7.013	93	735067	20.567	ng	100
8) 2-Chlorophenol	7.255	128	470651	20.201	ng	97
9) Benzaldehyde	6.831	77	325513m	23.383	ng	
10) Phenol	6.878	94	607568	20.436	ng	99
11) bis(2-Chloroethyl)ether	7.113	93	476458	20.308	ng	99
12) 1,3-Dichlorobenzene	7.578	146	545717	20.396	ng	100
13) 1,4-Dichlorobenzene	7.719	146	550164	20.337	ng	100
14) 1,2-Dichlorobenzene	8.031	146	526607	20.400	ng	98
15) Benzyl Alcohol	7.913	79	381569	19.765	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	729715	20.579	ng	100
17) 2-Methylphenol	8.113	107	397383	20.413	ng	99
18) Hexachloroethane	8.760	117	185631	20.053	ng	100
19) n-Nitroso-di-n-propyla...	8.478	70	352850	21.226	ng	99
20) 3+4-Methylphenols	8.437	107	540688	19.965	ng	99
22) Acetophenone	8.484	105	739513	20.505	ng	99
24) Nitrobenzene	8.860	77	492888	20.407	ng	98
25) Isophorone	9.378	82	1005233	20.531	ng	99
26) 2-Nitrophenol	9.566	139	152813	18.908	ng	99
27) 2,4-Dimethylphenol	9.625	122	401111	19.481	ng	99
28) bis(2-Chloroethoxy)met...	9.866	93	622000	20.157	ng	99
29) 2,4-Dichlorophenol	10.090	162	438904	20.189	ng	99
30) 1,2,4-Trichlorobenzene	10.313	180	480041	20.315	ng	98
31) Naphthalene	10.496	128	1598863	20.560	ng	100
32) Benzoic acid	9.713	122	181442	19.682	ng	97
33) 4-Chloroaniline	10.596	127	609114	20.383	ng	99
34) Hexachlorobutadiene	10.796	225	298535	19.881	ng	98
35) Caprolactam	11.343	113	146841	19.234	ng	97
36) 4-Chloro-3-methylphenol	11.719	107	464170	20.367	ng	99
37) 2-Methylnaphthalene	12.107	142	1100141	20.213	ng	99
38) 1-Methylnaphthalene	12.331	142	1075202	20.334	ng	98
40) 1,2,4,5-Tetrachloroben...	12.484	216	562803	20.486	ng	100
41) Hexachlorocyclopentadiene	12.472	237	175347	17.444	ng	100
43) 2,4,6-Trichlorophenol	12.725	196	328962	20.258	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026031.D
Acq On : 29 Oct 2025 11:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.790	196	375399	20.260 ng	97
46) 1,1'-Biphenyl	13.137	154	1394592	20.599 ng	100
47) 2-Chloronaphthalene	13.172	162	1103115	20.709 ng	99
48) 2-Nitroaniline	13.366	65	237733	19.391 ng	98
49) Acenaphthylene	14.031	152	1619778	20.863 ng	100
50) Dimethylphthalate	13.766	163	1318220	20.496 ng	100
51) 2,6-Dinitrotoluene	13.872	165	206491	19.266 ng	96
52) Acenaphthene	14.372	154	1102148	20.678 ng	100
53) 3-Nitroaniline	14.201	138	261900	19.720 ng	99
54) 2,4-Dinitrophenol	14.407	184	72866	20.106 ng	93
55) Dibenzofuran	14.713	168	1667180	20.703 ng	99
56) 4-Nitrophenol	14.507	139	273512	21.327 ng	97
57) 2,4-Dinitrotoluene	14.666	165	300694	19.242 ng	99
58) Fluorene	15.378	166	1326773	21.030 ng	99
59) 2,3,4,6-Tetrachlorophenol	14.942	232	293495	20.145 ng	99
60) Diethylphthalate	15.154	149	1311790	20.288 ng	99
61) 4-Chlorophenyl-phenyle...	15.378	204	650778	20.656 ng	100
62) 4-Nitroaniline	15.378	138	290147	21.112 ng	98
63) Azobenzene	15.678	77	1206973	20.597 ng	98
65) 4,6-Dinitro-2-methylph...	15.448	198	113887	20.196 ng	99
66) n-Nitrosodiphenylamine	15.590	169	1131476	20.503 ng	100
67) 4-Bromophenyl-phenylether	16.295	248	391458	19.995 ng	99
68) Hexachlorobenzene	16.407	284	452701	20.312 ng	98
69) Atrazine	16.572	200	389382	20.916 ng	96
70) Pentachlorophenol	16.754	266	252504	18.548 ng	99
71) Phenanthrene	17.166	178	2134410	20.777 ng	100
72) Anthracene	17.254	178	2109900	20.719 ng	100
73) Carbazole	17.536	167	2054988	21.318 ng	99
74) Di-n-butylphthalate	18.148	149	2189917	20.303 ng	100
75) Fluoranthene	19.254	202	2516802	21.002 ng	99
77) Benzidine	19.454	184	984237	20.030 ng	99
78) Pyrene	19.630	202	2700976	20.628 ng	100
80) Butylbenzylphthalate	20.607	149	787044	18.358 ng	98
81) Benzo(a)anthracene	21.554	228	2723711	20.474 ng	100
82) 3,3'-Dichlorobenzidine	21.477	252	821245	19.160 ng	100
83) Chrysene	21.624	228	2610441	20.715 ng	99
84) Bis(2-ethylhexyl)phtha...	21.530	149	1336224	18.694 ng	100
85) Di-n-octyl phthalate	22.807	149	1984874	17.224 ng	99
87) Indeno(1,2,3-cd)pyrene	28.648	276	3205879m	20.856 ng	
88) Benzo(b)fluoranthene	23.836	252	2661543	20.584 ng	100
89) Benzo(k)fluoranthene	23.907	252	2720350	20.602 ng	99
90) Benzo(a)pyrene	24.724	252	2440075	20.541 ng	100
91) Dibenzo(a,h)anthracene	28.730	278	2601046	20.785 ng	99
92) Benzo(g,h,i)perylene	29.806	276	2538211	21.078 ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

ICAL Form

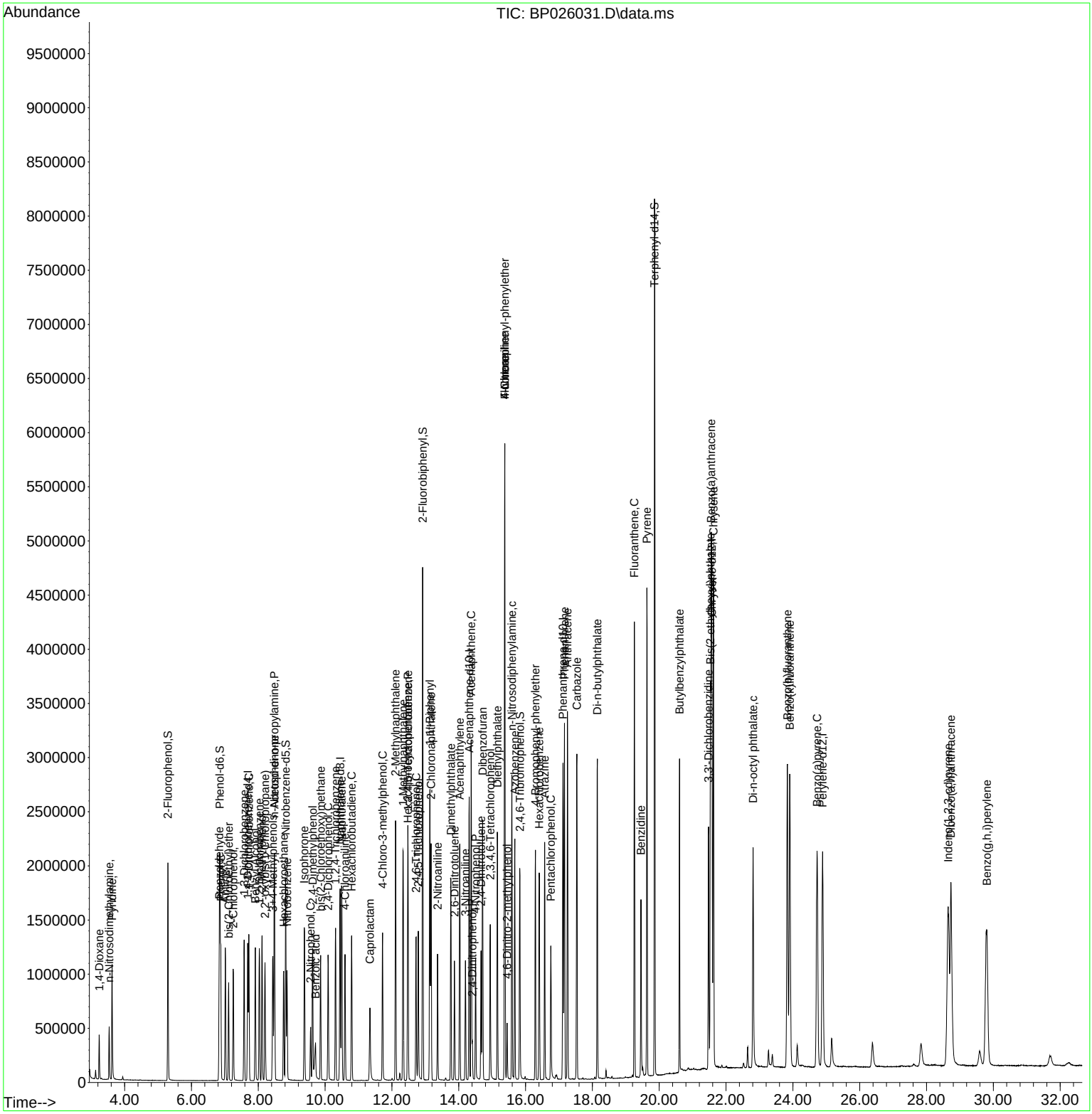
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026031.D
Acq On : 29 Oct 2025 11:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

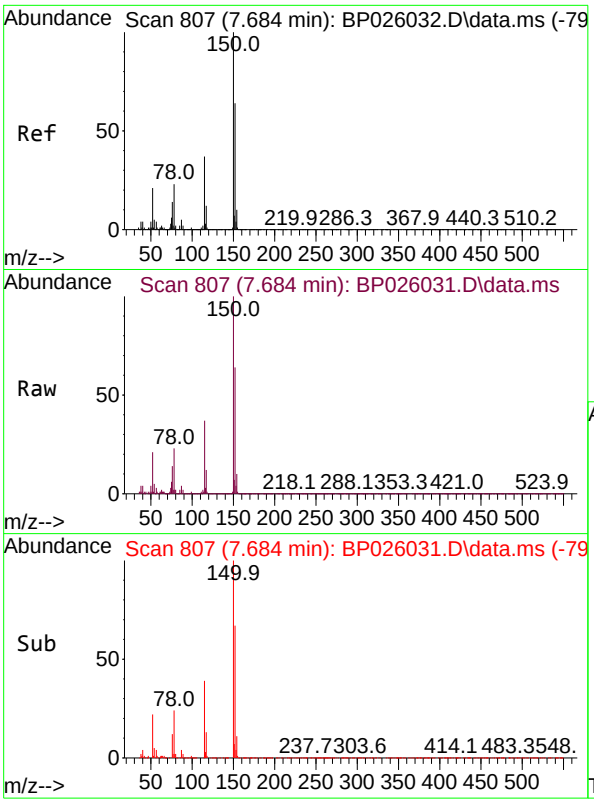
Quant Time: Oct 29 18:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:152 Resp: 34717

Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.7	188.5
115	58.6	46.4	69.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

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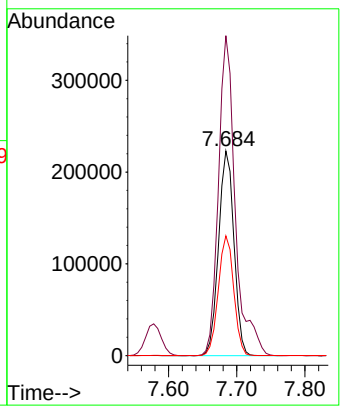
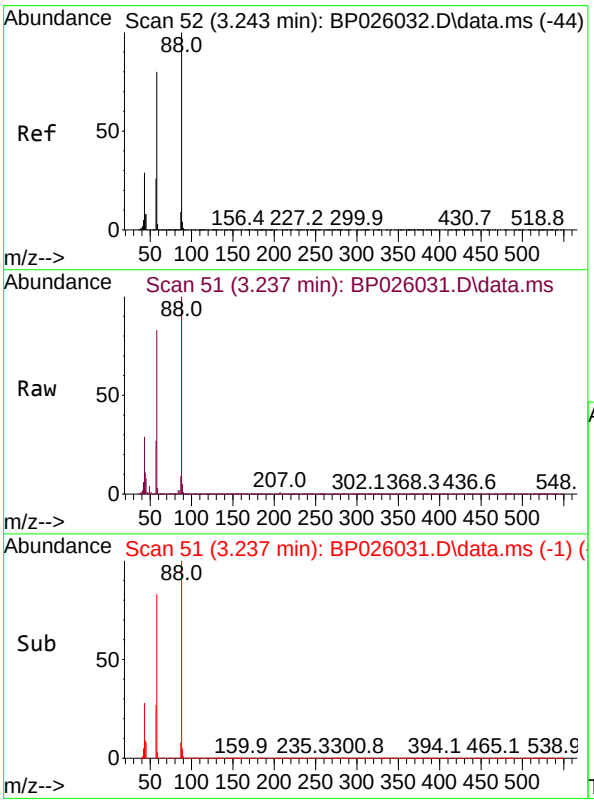
Supervised By :Jagrut Upadhyay 11/04/2025

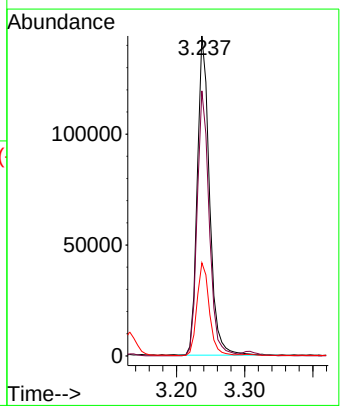


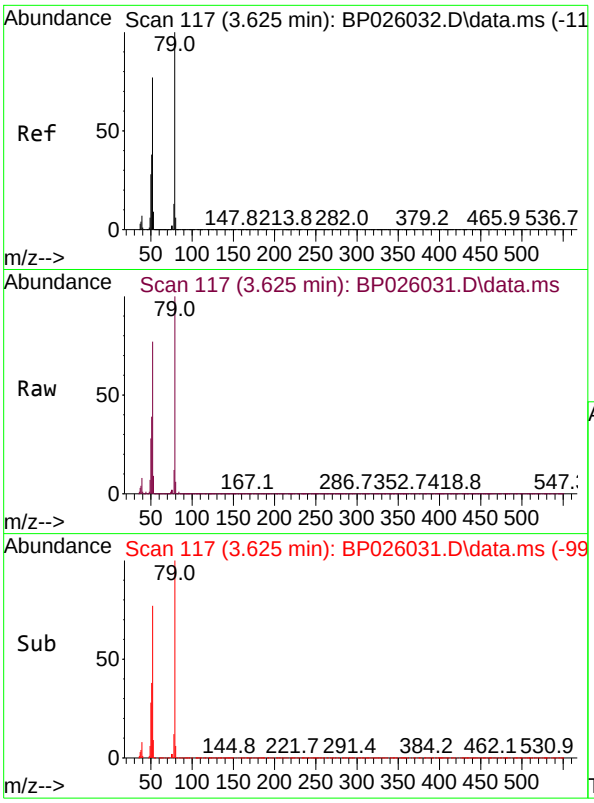


#2
1,4-Dioxane
Concen: 20.318 ng
RT: 3.237 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 88 Resp: 180212

Ion	Ratio	Lower	Upper
88	100		
58	81.6	65.4	98.0
43	29.2	23.1	34.7





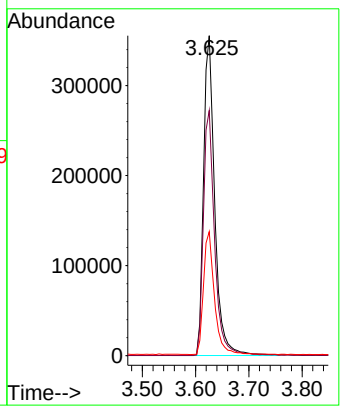
#3
Pyridine
Concen: 20.483 ng
RT: 3.625 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

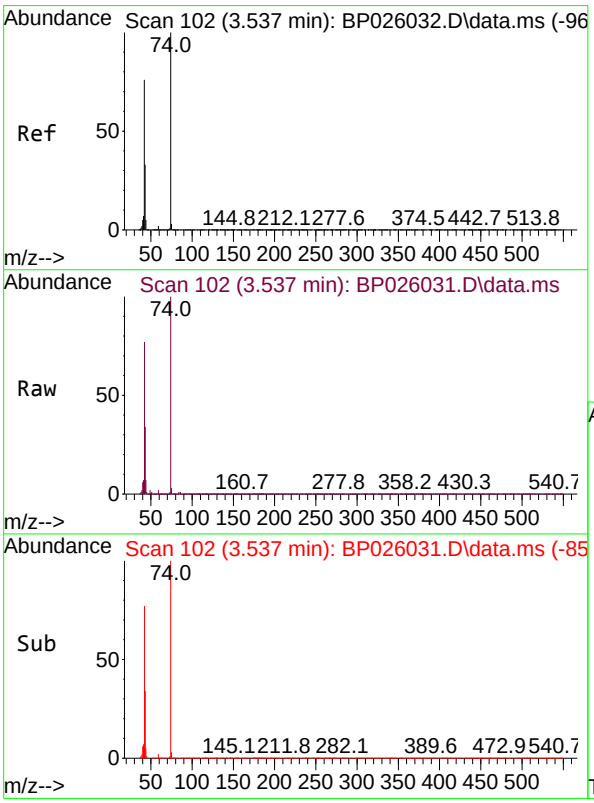
Tgt Ion: 79 Resp: 516467

Ion	Ratio	Lower	Upper
79	100		
52	76.6	62.0	93.0
51	38.7	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

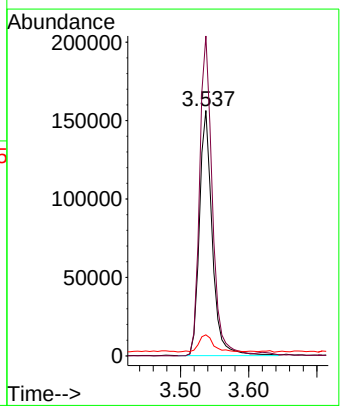


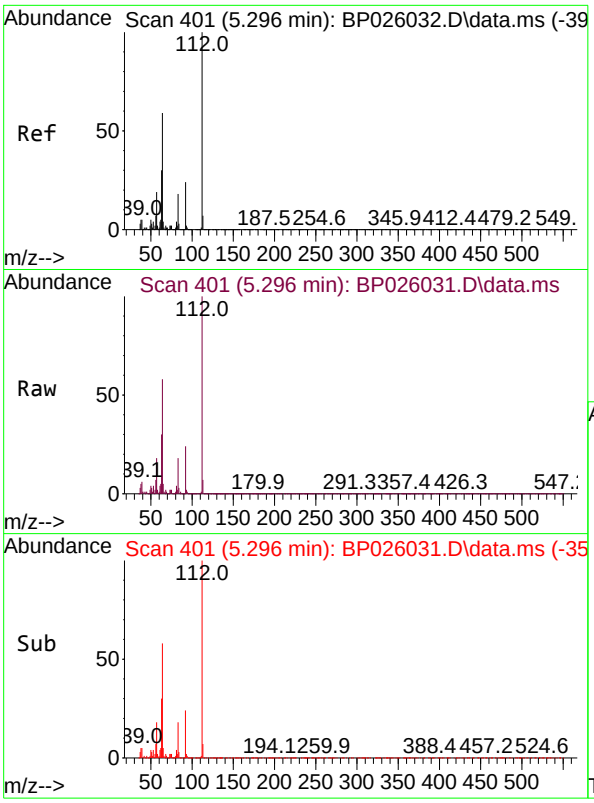


#4
n-Nitrosodimethylamine
Concen: 20.287 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 42 Resp: 205014

Ion	Ratio	Lower	Upper
42	100		
74	130.4	105.7	158.5
44	8.6	6.6	9.8





#5
2-Fluorophenol
Concen: 40.714 ng
RT: 5.296 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:112 Resp: 856596

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.4	71.2
63	29.9	24.2	36.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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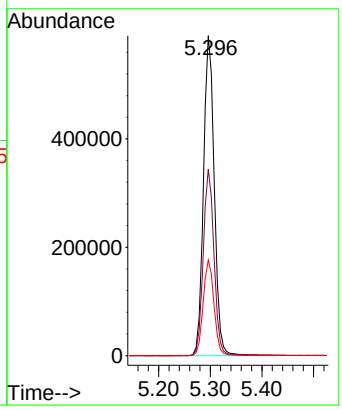
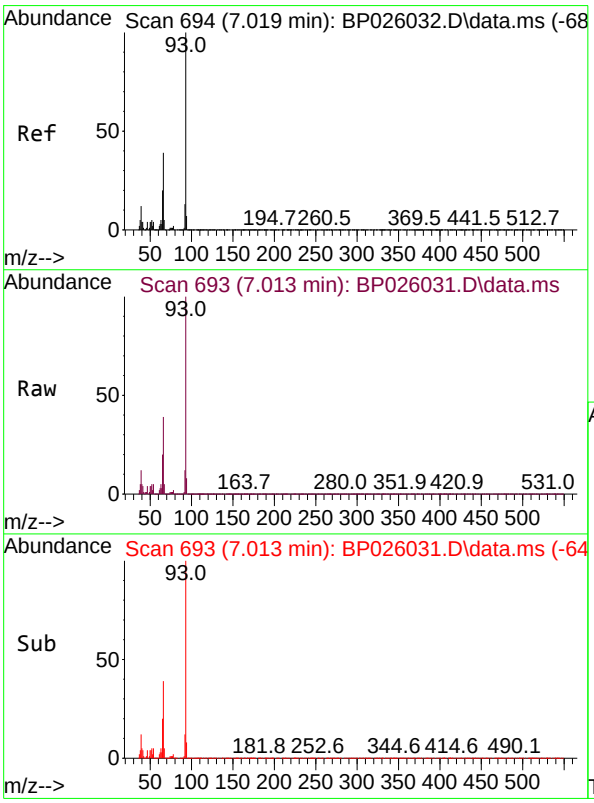
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

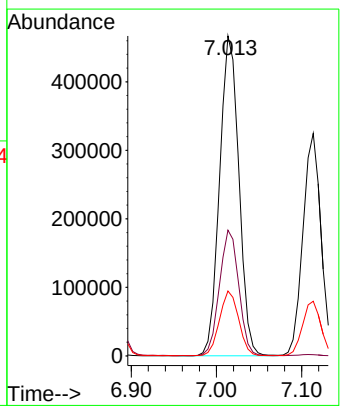


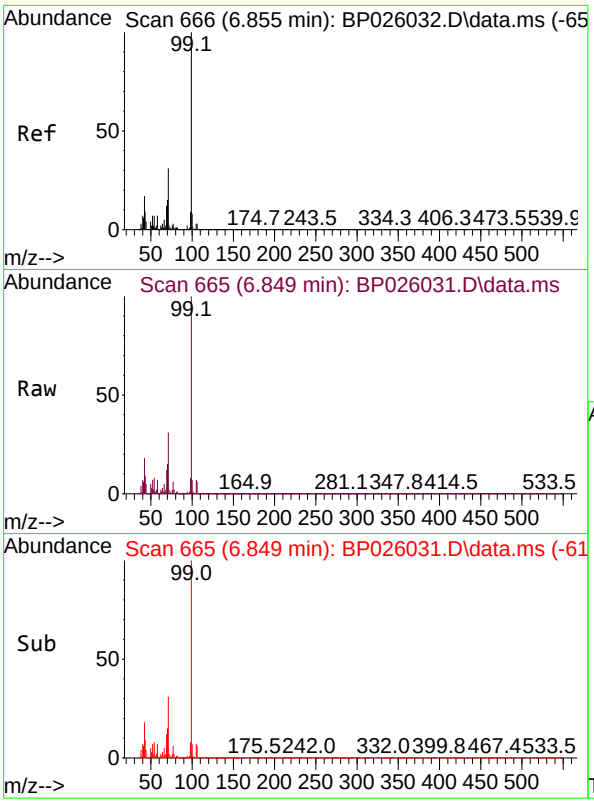


#6
Aniline
Concen: 20.567 ng
RT: 7.013 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 93 Resp: 735067

Ion	Ratio	Lower	Upper
93	100		
66	39.3	31.2	46.8
65	20.3	16.1	24.1





#7
Phenol-d6
Concen: 40.803 ng
RT: 6.849 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 99 Resp: 109266

Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.7	20.5
71	30.7	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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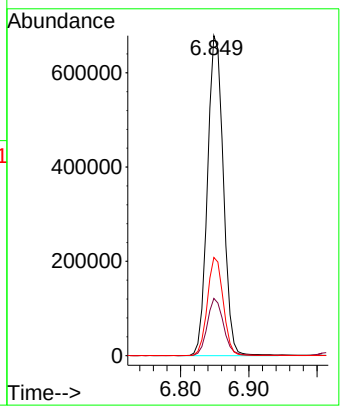
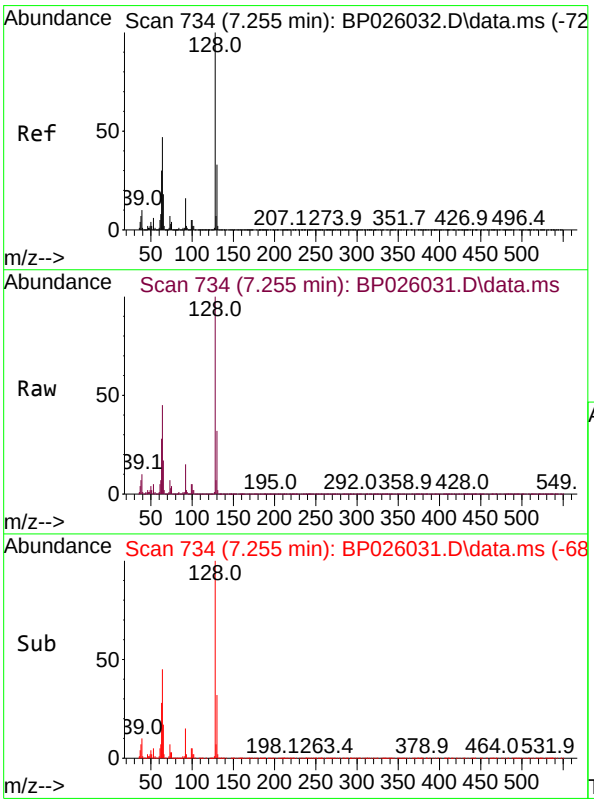
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

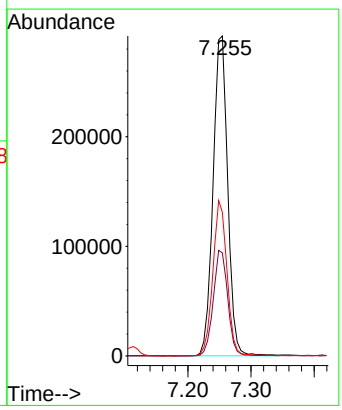


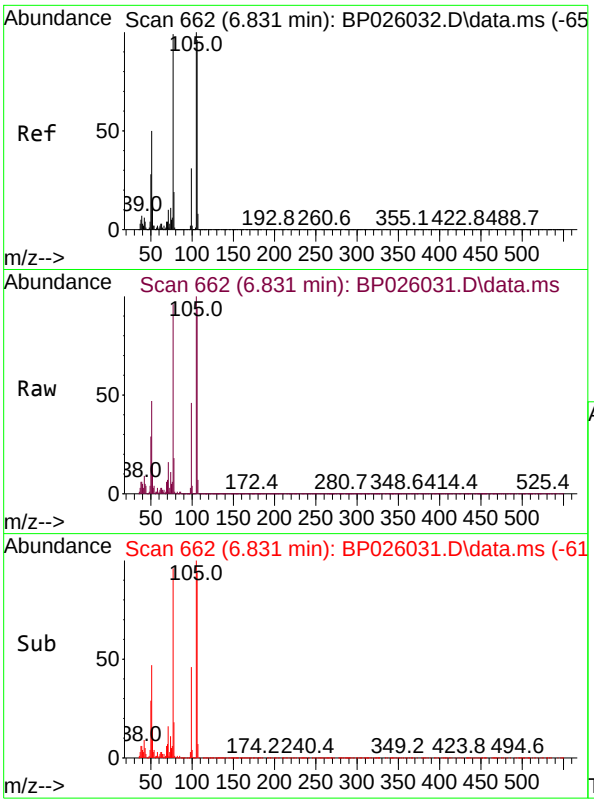


#8
2-Chlorophenol
Concen: 20.201 ng
RT: 7.255 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:128 Resp: 470651

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.7	52.7
64	44.9	27.4	67.4





#9
Benzaldehyde
Concen: 23.383 ng m
RT: 6.831 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 77 Resp: 32551

Ion	Ratio	Lower	Upper
77	100		
105	104.1	80.7	120.7
106	97.6	76.5	116.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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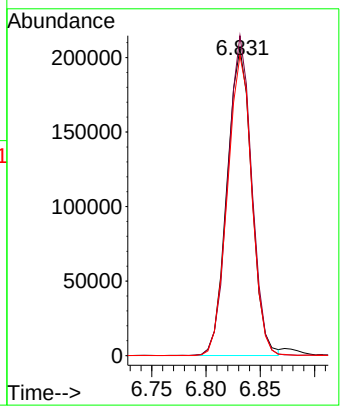
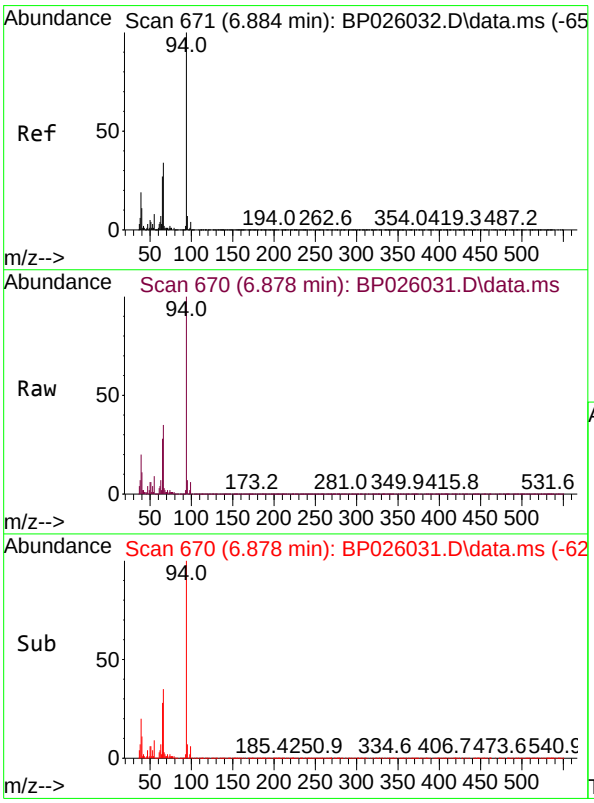
Supervised By :Jagrut Upadhyay 11/04/2025

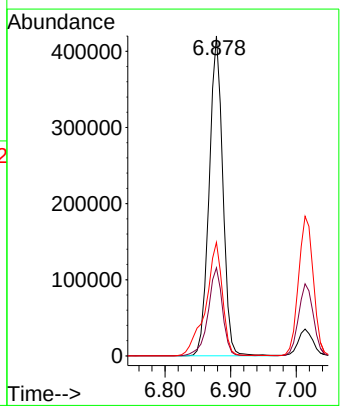


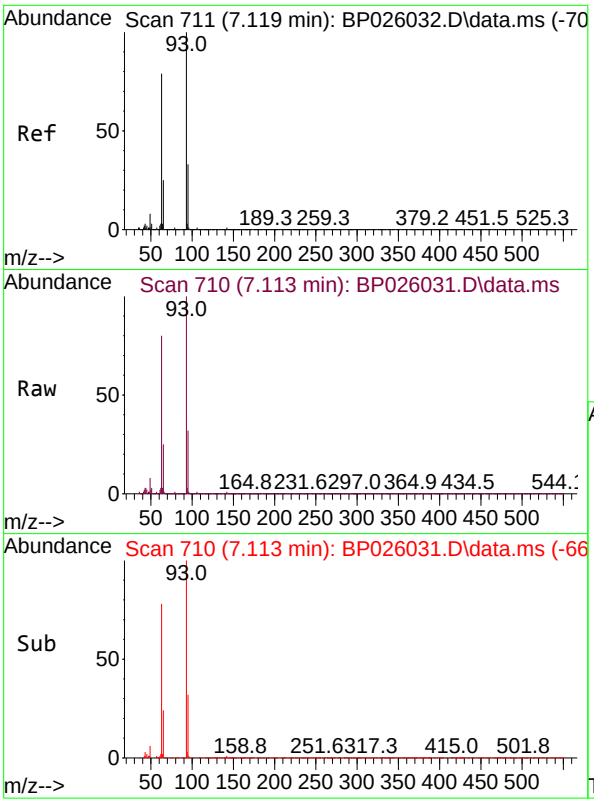


#10
Phenol
Concen: 20.436 ng
RT: 6.878 min Scan# 670
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 94 Resp: 607568

Ion	Ratio	Lower	Upper
94	100		
65	27.6	7.1	47.1
66	35.5	14.4	54.4





#11
bis(2-Chloroethyl)ether
Concen: 20.308 ng
RT: 7.113 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 93 Resp: 476458

Ion	Ratio	Lower	Upper
93	100		
63	79.5	59.1	99.1
95	32.2	12.6	52.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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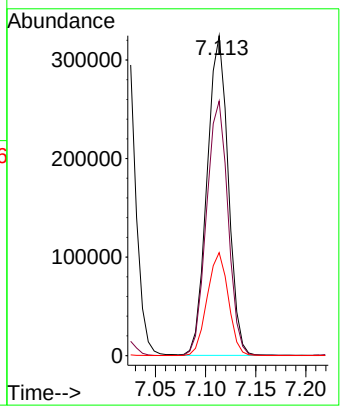
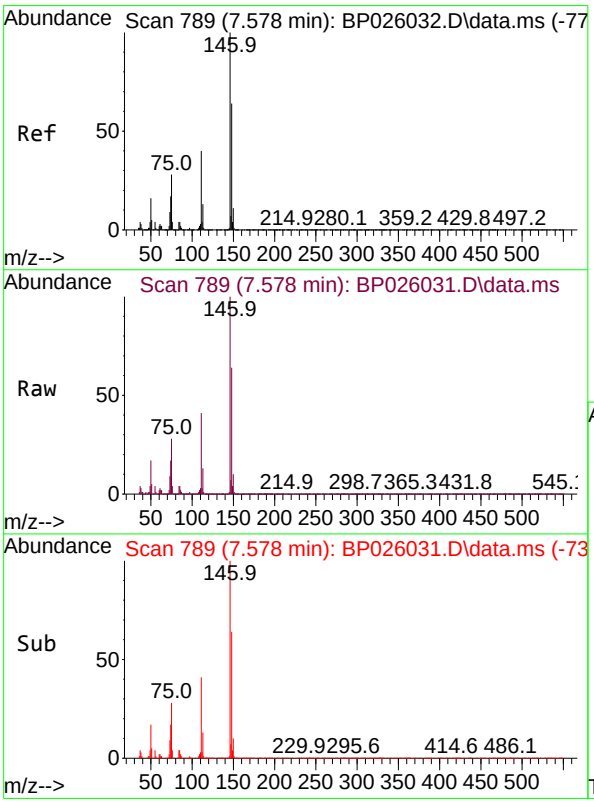
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

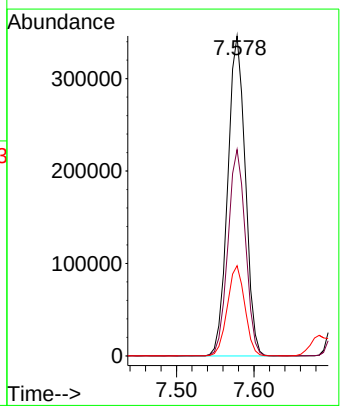


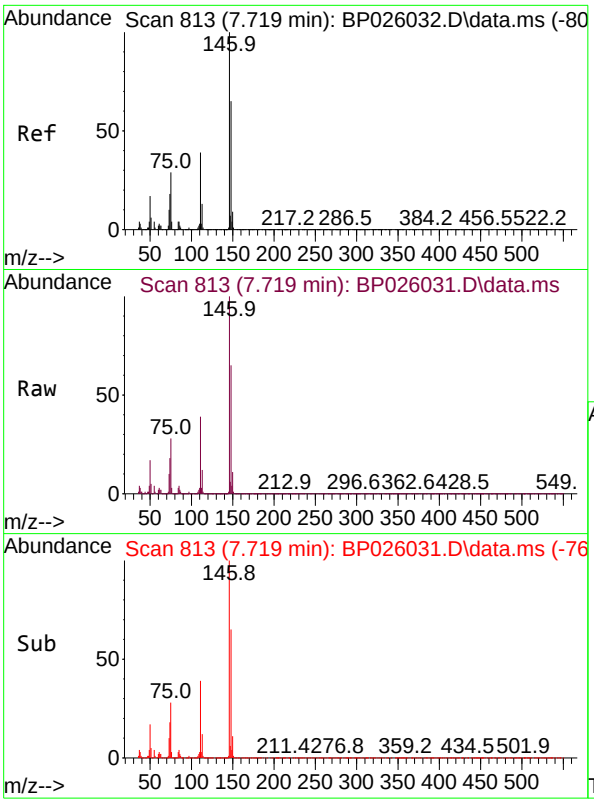


#12
1,3-Dichlorobenzene
Concen: 20.396 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:146 Resp: 545717

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
75	28.2	22.6	33.8





#13
1,4-Dichlorobenzene
Concen: 20.337 ng
RT: 7.719 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:146 Resp: 550164

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.2	78.2
111	39.2	31.3	46.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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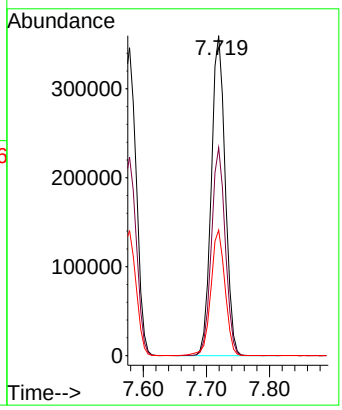
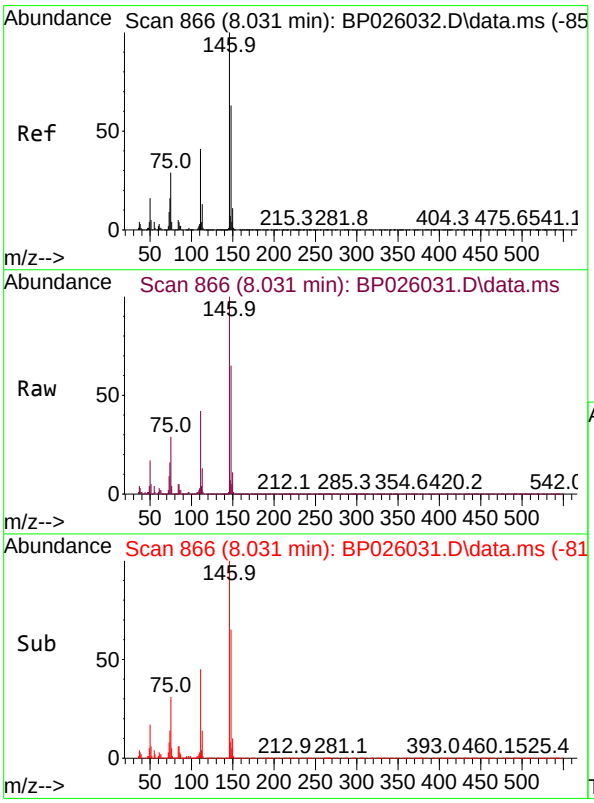
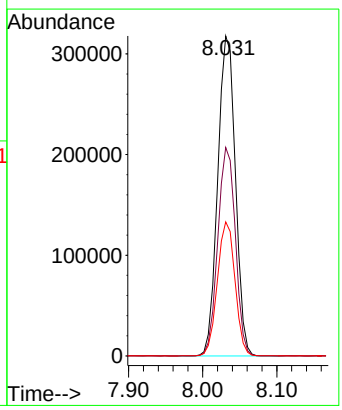


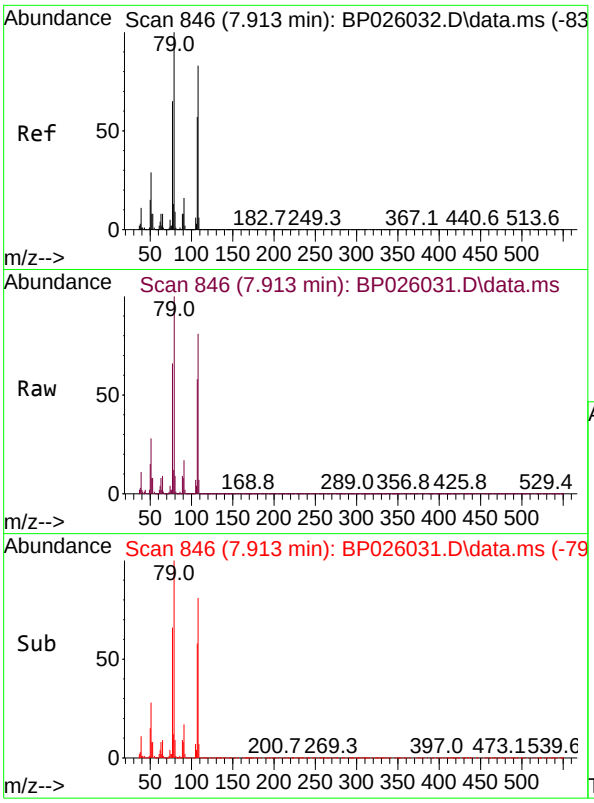


#14
1,2-Dichlorobenzene
Concen: 20.400 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:146 Resp: 526607

Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.8	76.2
111	41.9	33.0	49.4





#15
Benzyl Alcohol
Concen: 19.765 ng
RT: 7.913 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 79 Resp: 381569

Ion	Ratio	Lower	Upper
79	100		
108	81.2	66.0	99.0
77	66.2	52.3	78.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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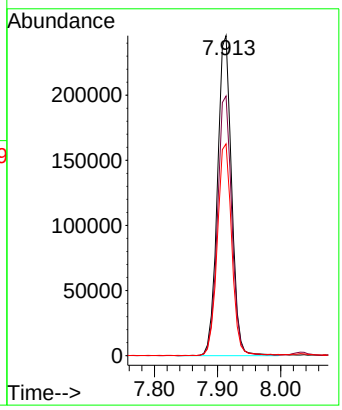
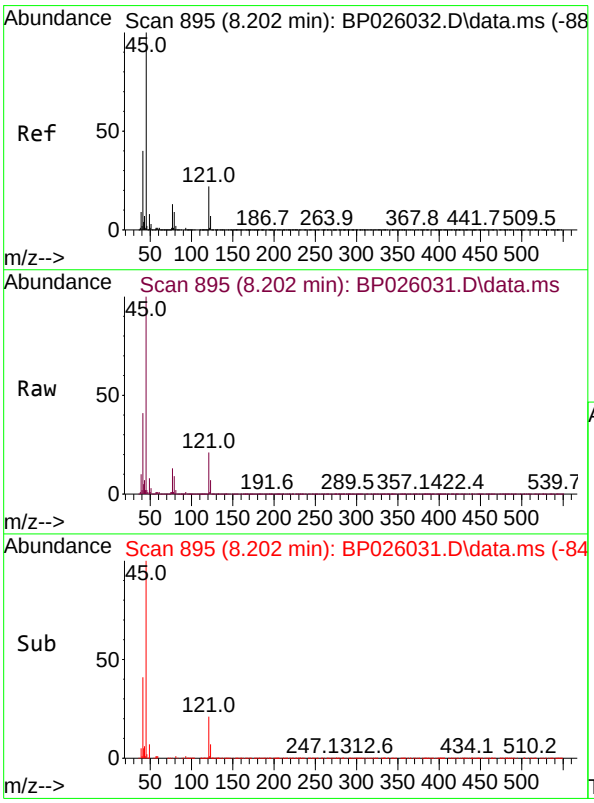
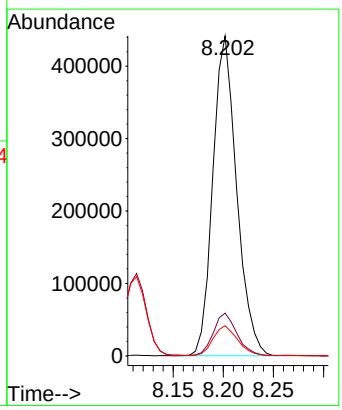


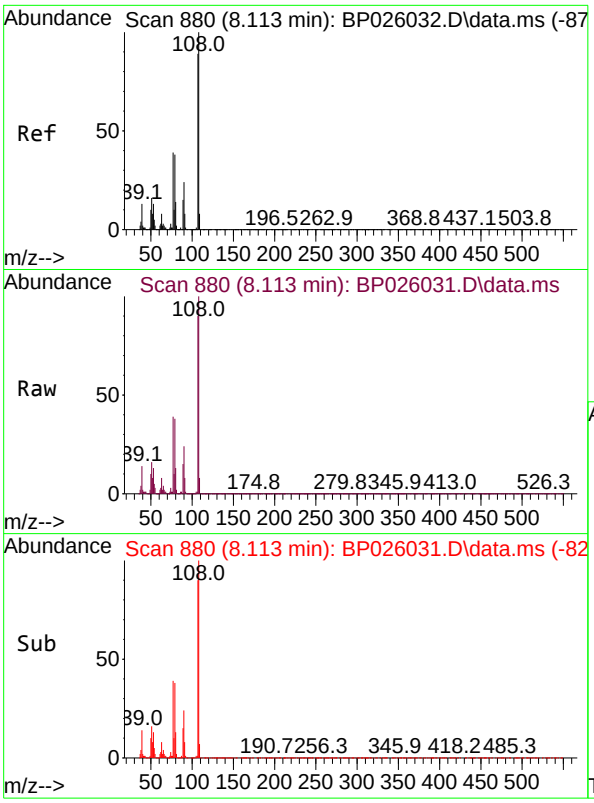


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.579 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 45 Resp: 729715

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.2
79	9.4	0.0	29.5

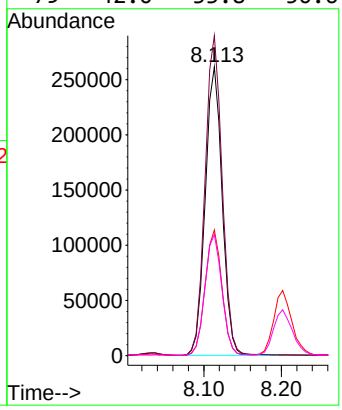




#17
2-Methylphenol
Concen: 20.413 ng
RT: 8.113 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:107 Resp: 39738

Ion	Ratio	Lower	Upper
107	100		
108	110.8	89.8	134.8
77	43.5	34.8	52.2
79	42.0	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
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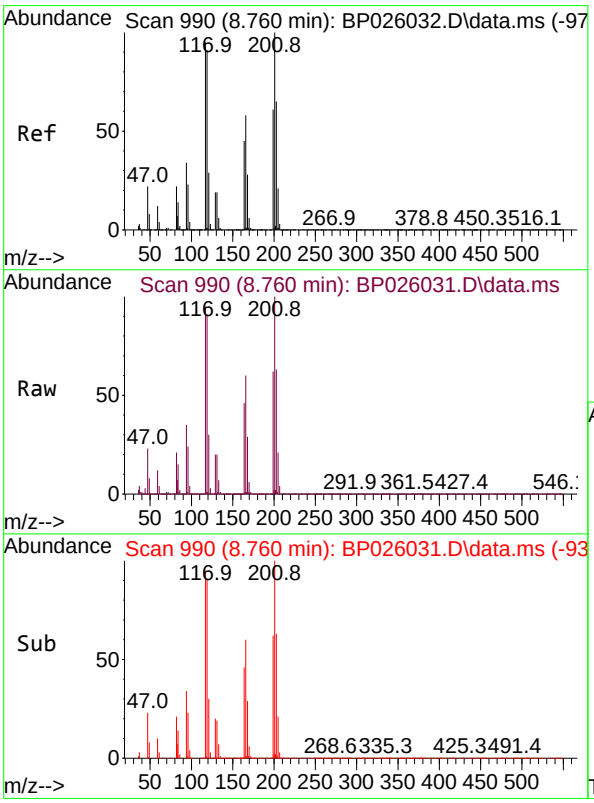
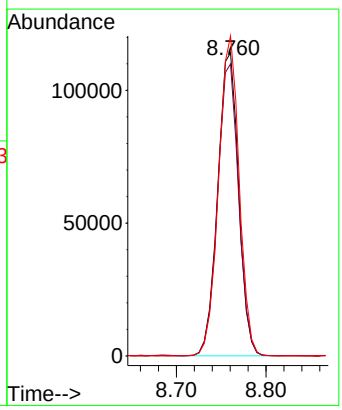
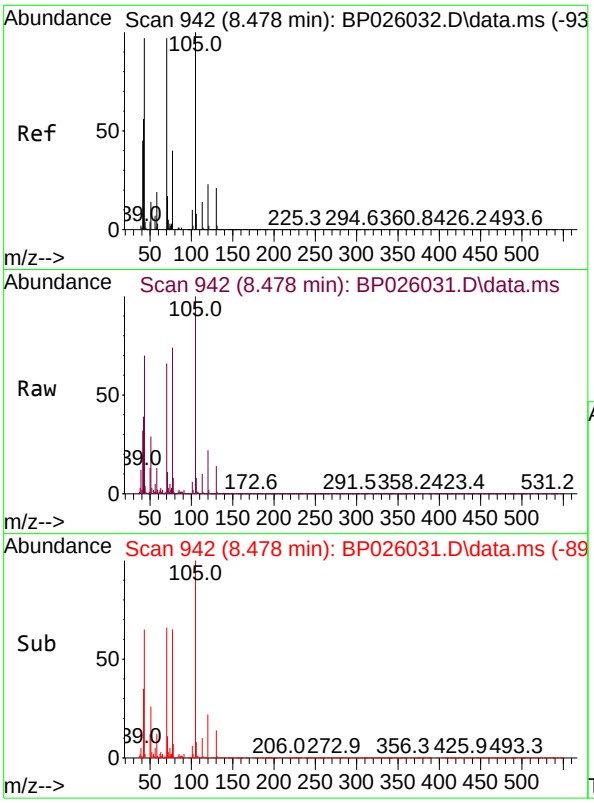


#18
Hexachloroethane
Concen: 20.053 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:117 Resp: 185631

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.5	114.7
201	105.6	84.2	126.4





#19
n-Nitroso-di-n-propylamine
Concen: 21.226 ng
RT: 8.478 min Scan# 94
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 70 Resp: 352850

Ion	Ratio	Lower	Upper
70	100		
42	59.6	47.2	70.8
101	9.6	8.2	12.2
130	22.1	17.7	26.5

Instrument :
BNA_P
ClientSampleId :
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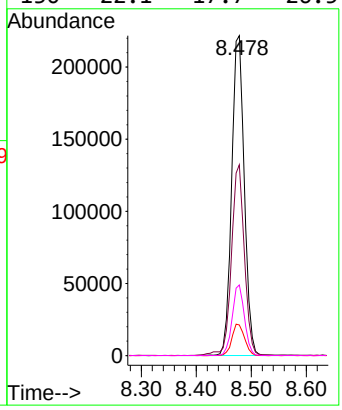
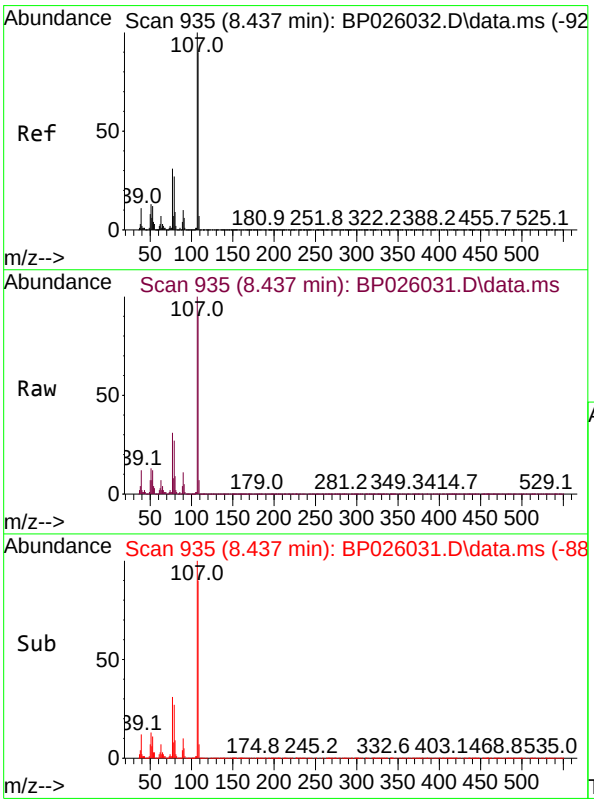
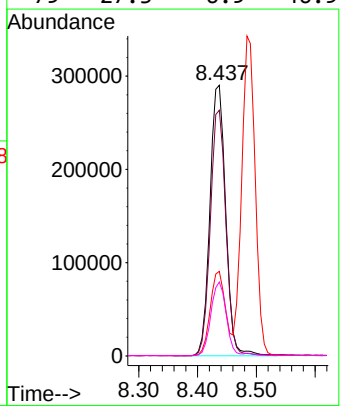


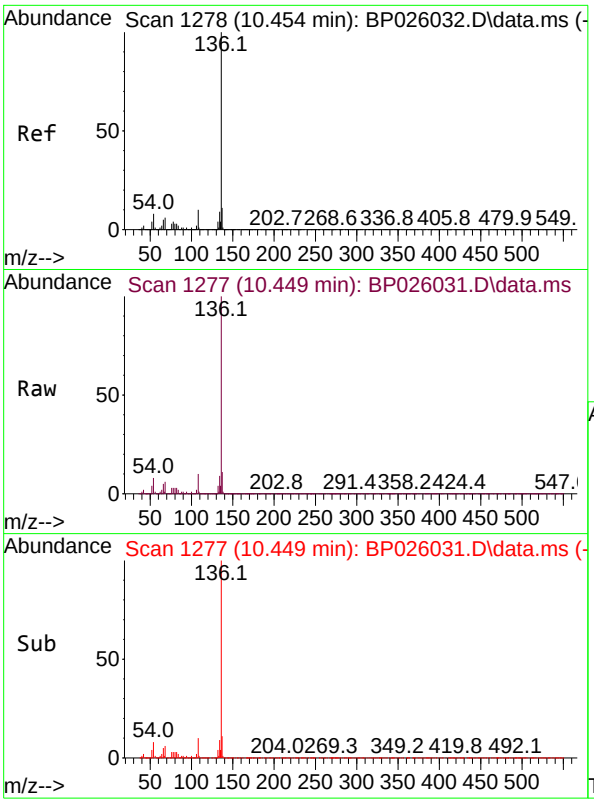


#20
3+4-Methylphenols
Concen: 19.965 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:107 Resp: 540688

Ion	Ratio	Lower	Upper
107	100		
108	90.8	70.1	110.1
77	31.3	10.7	50.7
79	27.3	6.9	46.9

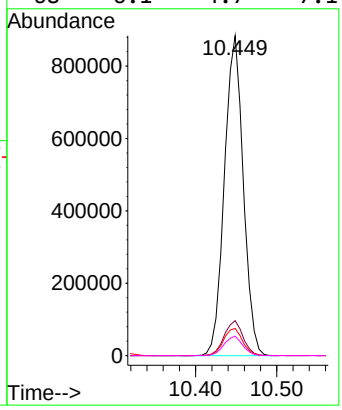




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:136 Resp: 1426046

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.5	6.6	10.0
68	6.1	4.7	7.1



Instrument :
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ClientSampleId :
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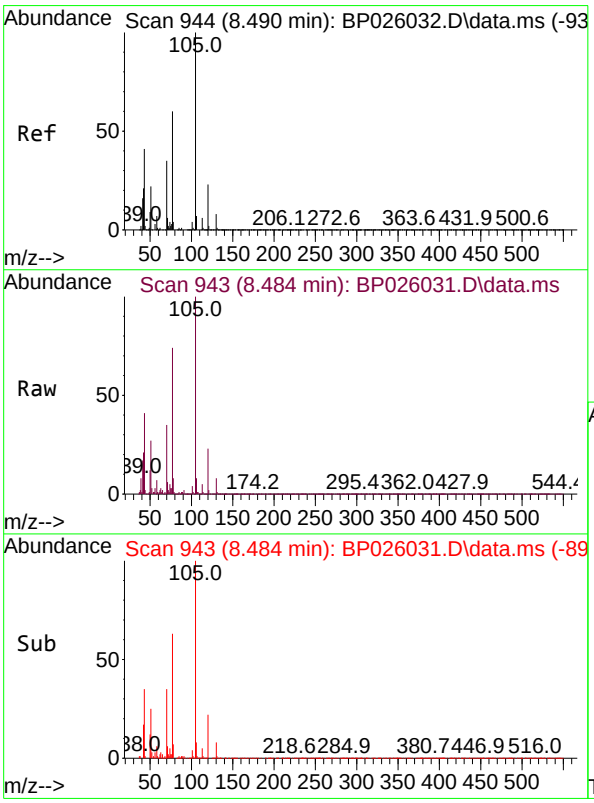
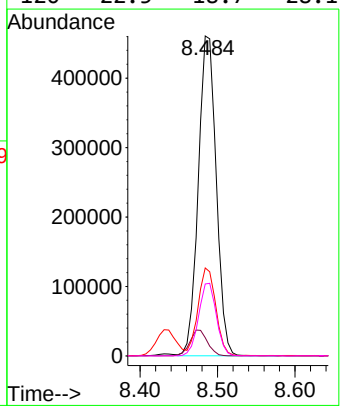
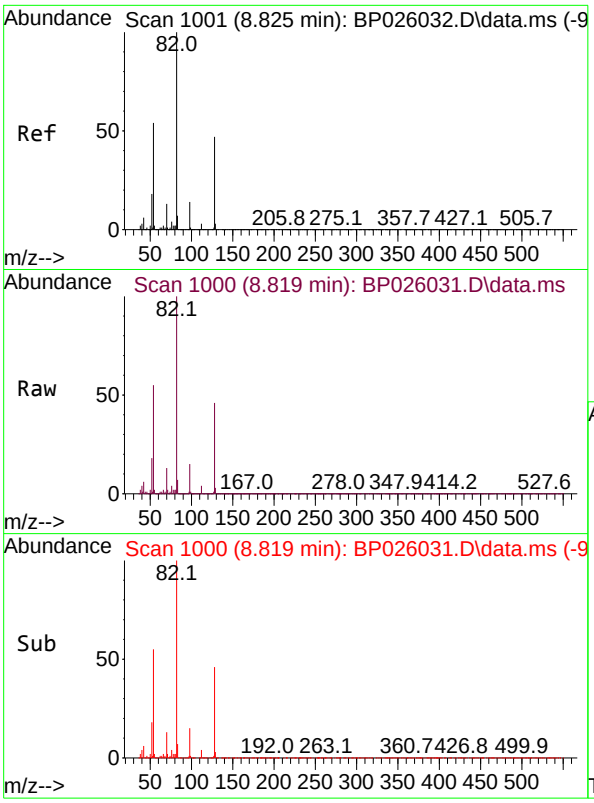


#22
Acetophenone
Concen: 20.505 ng
RT: 8.484 min Scan# 943
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:105 Resp: 739513

Ion	Ratio	Lower	Upper
105	100		
71	5.7	4.7	7.1
51	27.5	21.8	32.8
120	22.5	18.7	28.1





#23
Nitrobenzene-d5
Concen: 40.712 ng
RT: 8.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 82 Resp: 931308

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.4	56.0
54	54.6	42.7	64.1

Instrument :
BNA_P
ClientSampleId :
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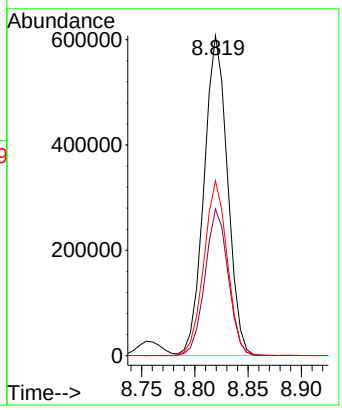
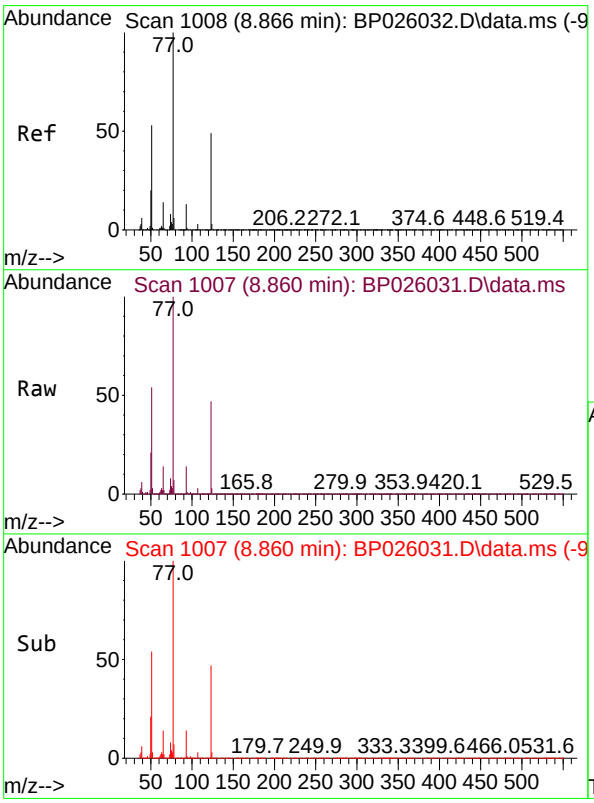
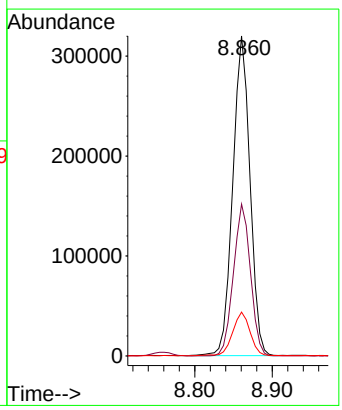


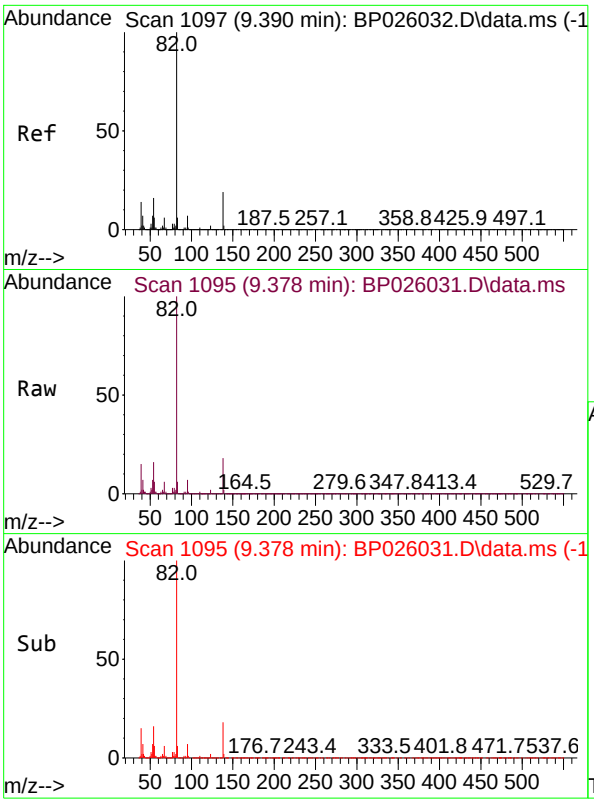


#24
Nitrobenzene
Concen: 20.407 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 77 Resp: 492888

Ion	Ratio	Lower	Upper
77	100		
123	47.4	39.0	58.4
65	13.7	10.9	16.3





#25
Isophorone
Concen: 20.531 ng
RT: 9.378 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 82 Resp: 100523

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	18.3	15.0	22.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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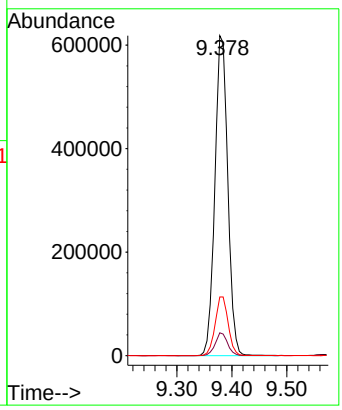
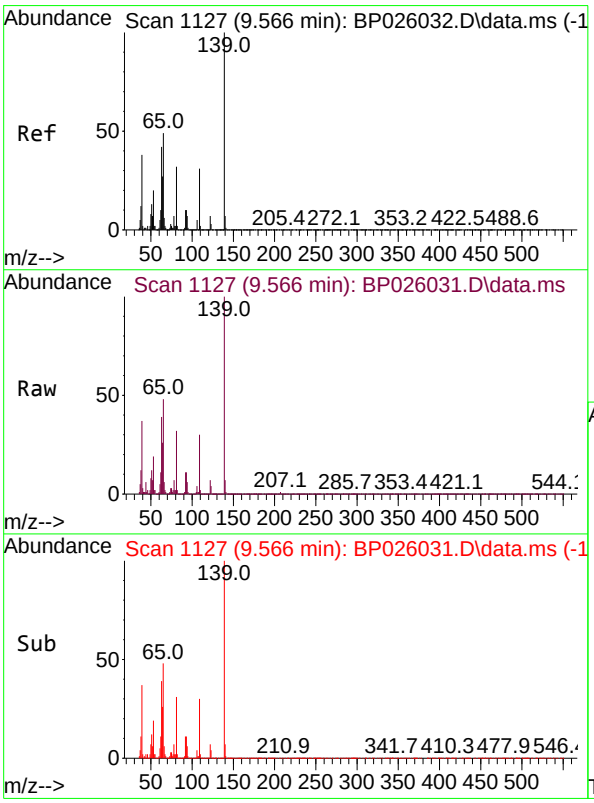
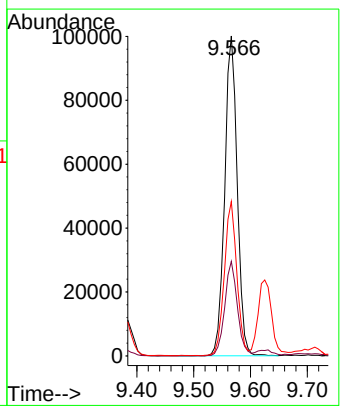


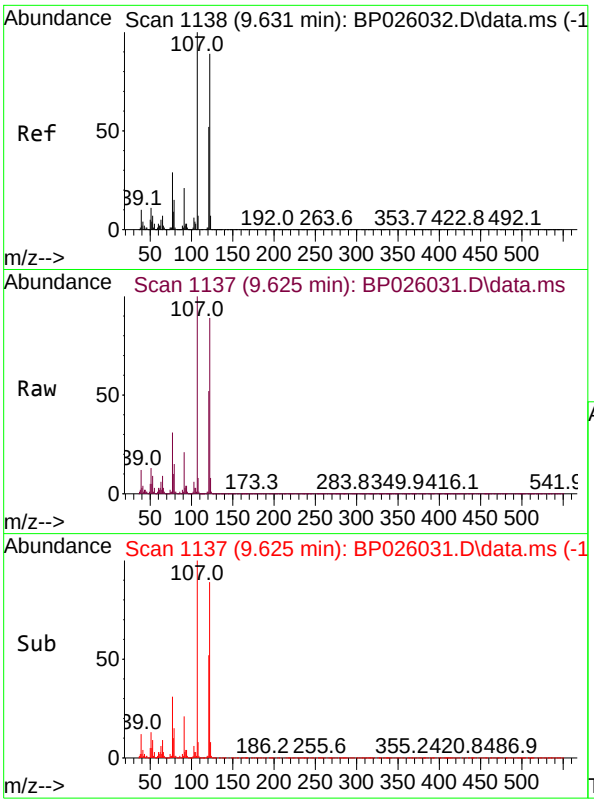


#26
2-Nitrophenol
Concen: 18.908 ng
RT: 9.566 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:139 Resp: 152813

Ion	Ratio	Lower	Upper
139	100		
109	29.5	24.8	37.2
65	48.2	39.0	58.4





#27
2,4-Dimethylphenol
Concen: 19.481 ng
RT: 9.625 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:122 Resp: 40111

Ion	Ratio	Lower	Upper
122	100		
107	112.2	89.2	133.8
121	58.3	46.3	69.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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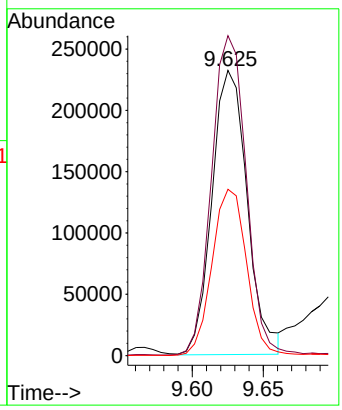
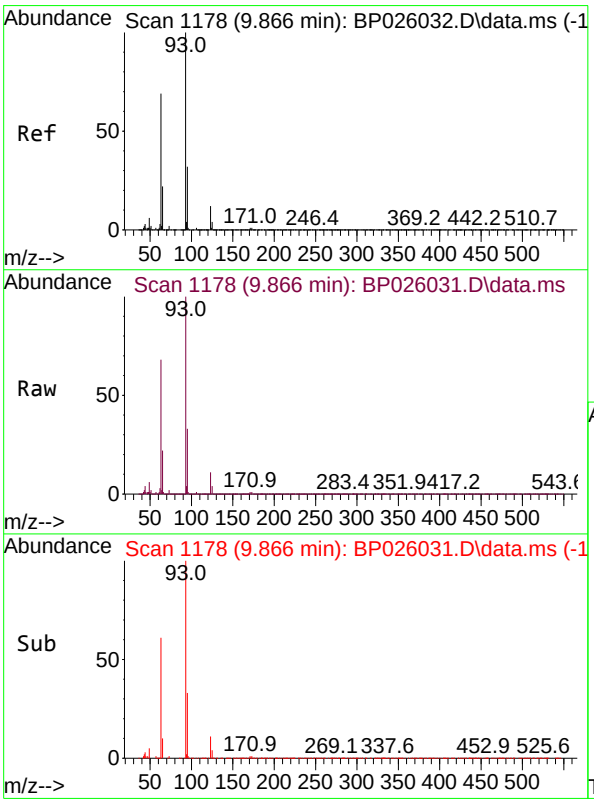
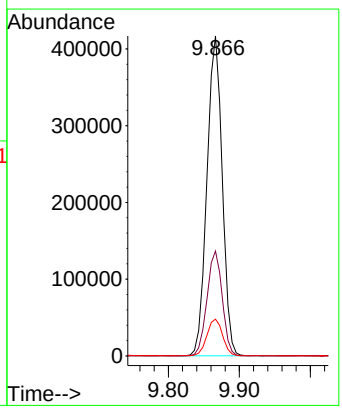


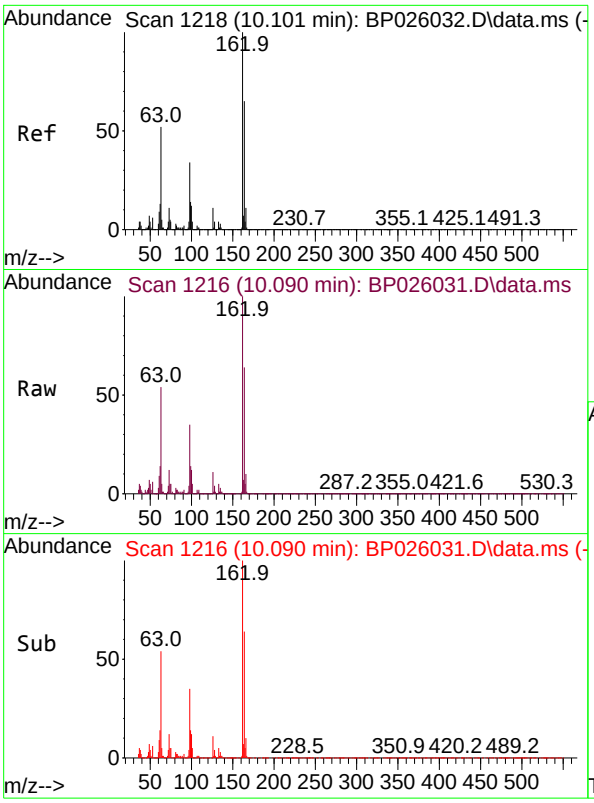


#28
bis(2-Chloroethoxy)methane
Concen: 20.157 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 93 Resp: 622000

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.6
123	11.5	9.3	13.9





#29
2,4-Dichlorophenol
Concen: 20.189 ng
RT: 10.090 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:162 Resp: 43890

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.6	84.6
98	34.9	14.0	54.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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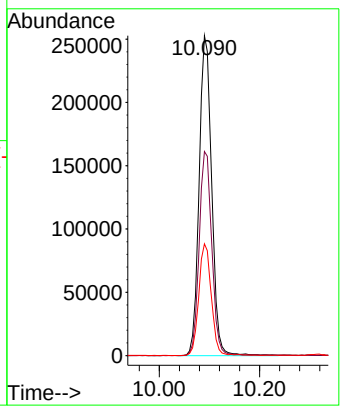
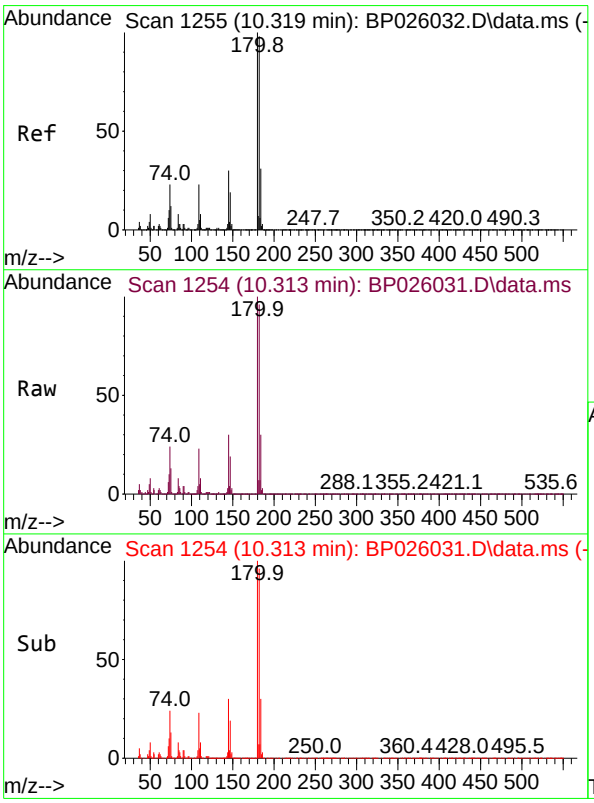
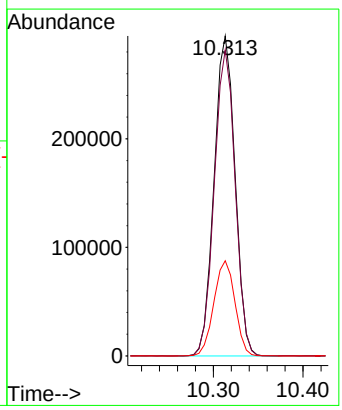


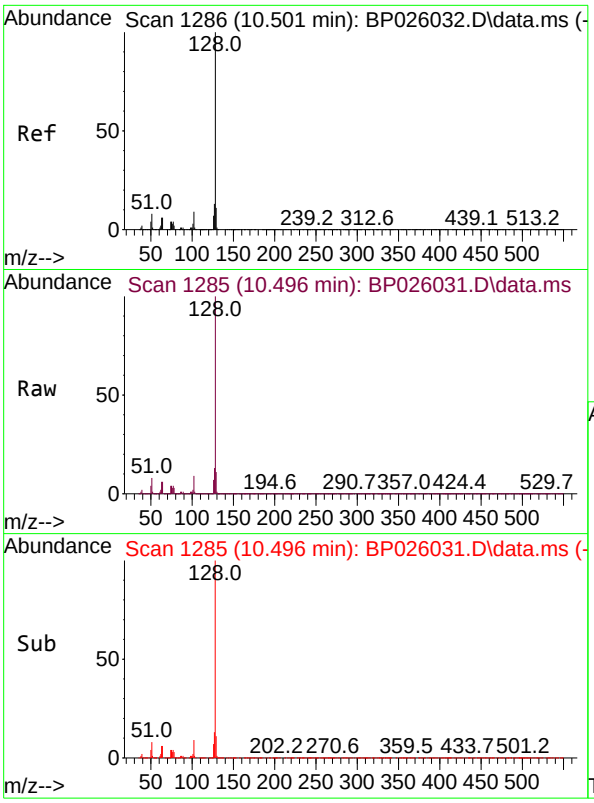


#30
1,2,4-Trichlorobenzene
Concen: 20.315 ng
RT: 10.313 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:180 Resp: 480041

Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.6	117.8
145	29.7	24.2	36.4





#31
Naphthalene
Concen: 20.560 ng
RT: 10.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:128 Resp: 159886

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.0	10.5	15.7

Instrument :
BNA_P
ClientSampleId :
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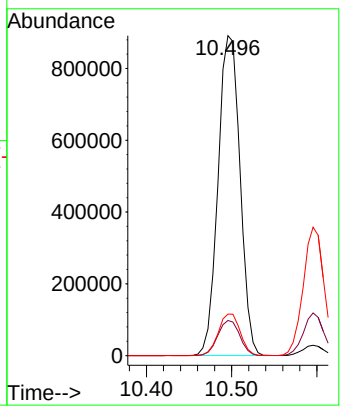
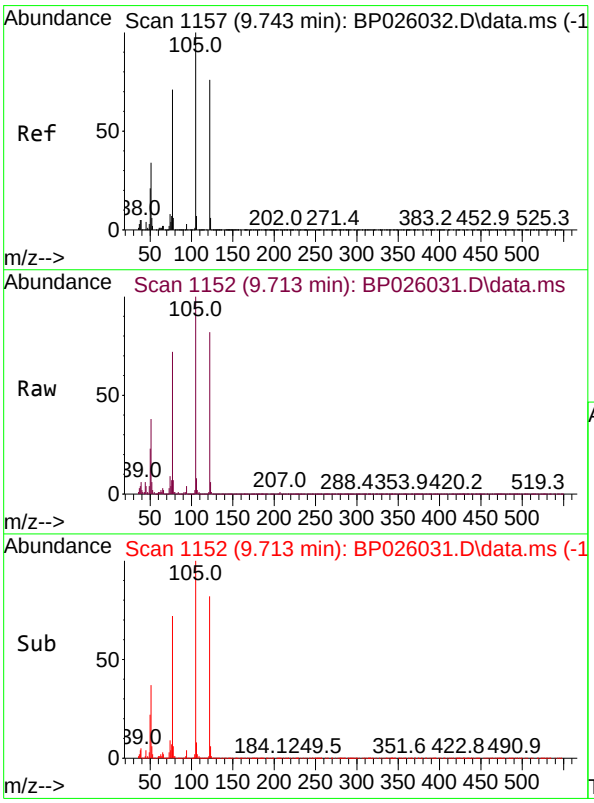
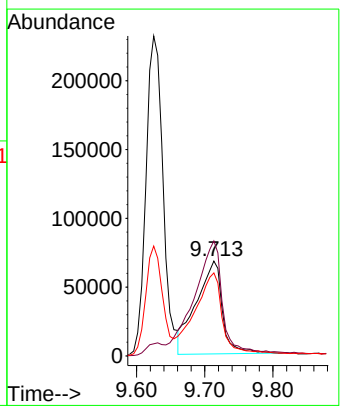


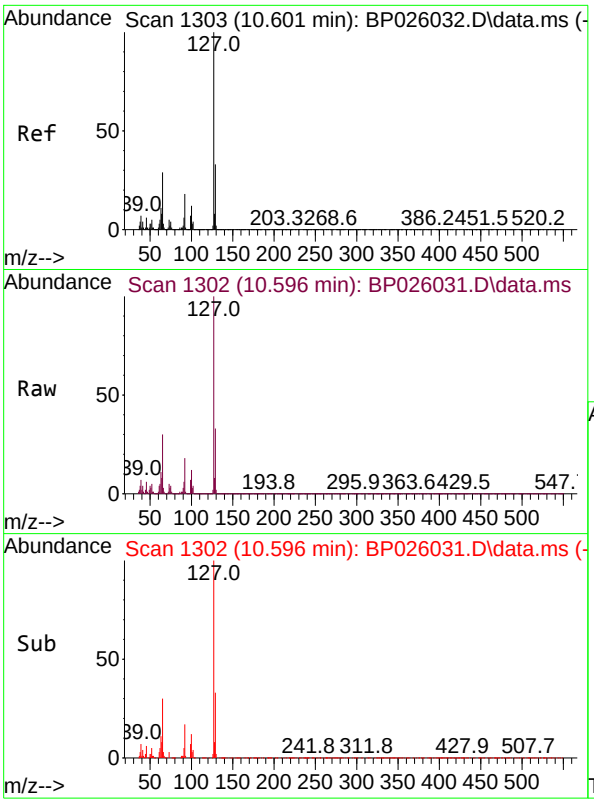


#32
Benzoic acid
Concen: 19.682 ng
RT: 9.713 min Scan# 1152
Delta R.T. -0.065 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:122 Resp: 181442

Ion	Ratio	Lower	Upper
122	100		
105	121.3	104.8	144.8
77	87.6	70.9	110.9





#33
4-Chloroaniline
Concen: 20.383 ng
RT: 10.596 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:127 Resp: 609114

Ion	Ratio	Lower	Upper
127	100		
129	33.2	26.0	39.0
65	30.0	23.2	34.8
92	17.8	14.5	21.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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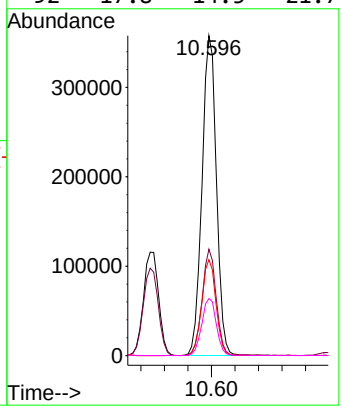
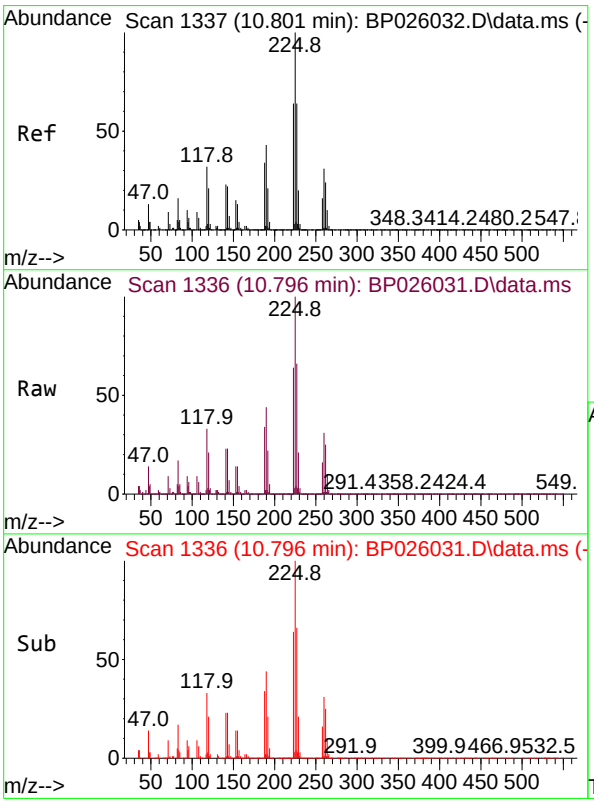
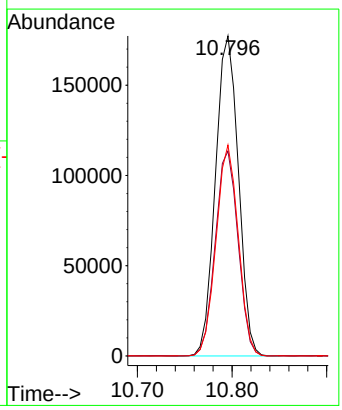


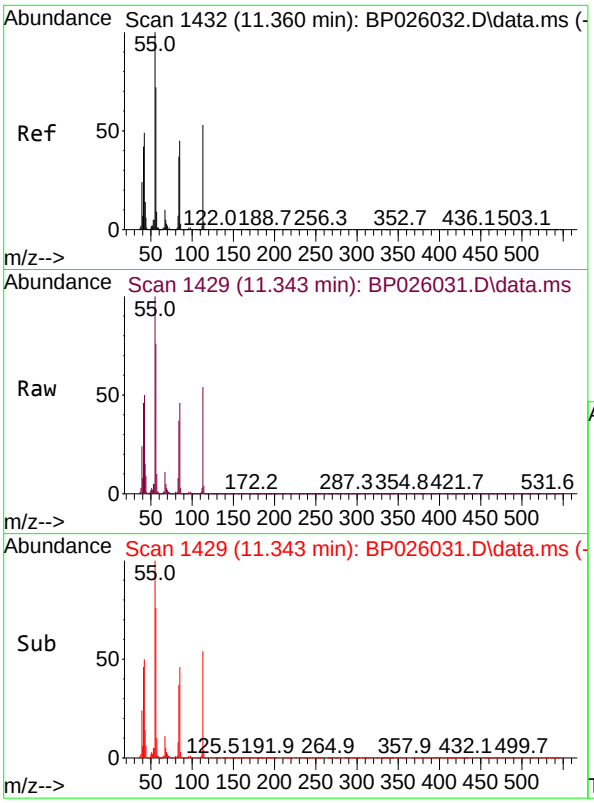


#34
Hexachlorobutadiene
Concen: 19.881 ng
RT: 10.796 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:225 Resp: 298535

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.9	76.3
227	65.9	51.0	76.4





#35
Caprolactam
Concen: 19.234 ng
RT: 11.343 min Scan# 14
Delta R.T. -0.041 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:113 Resp: 14684

Ion	Ratio	Lower	Upper
113	100		
55	184.5	169.9	209.9
56	139.9	116.7	156.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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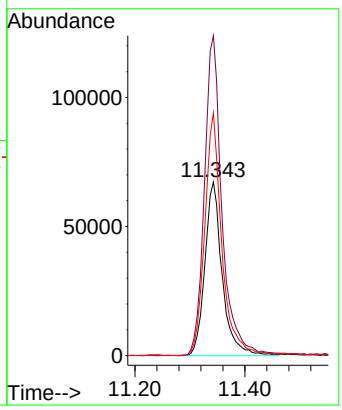
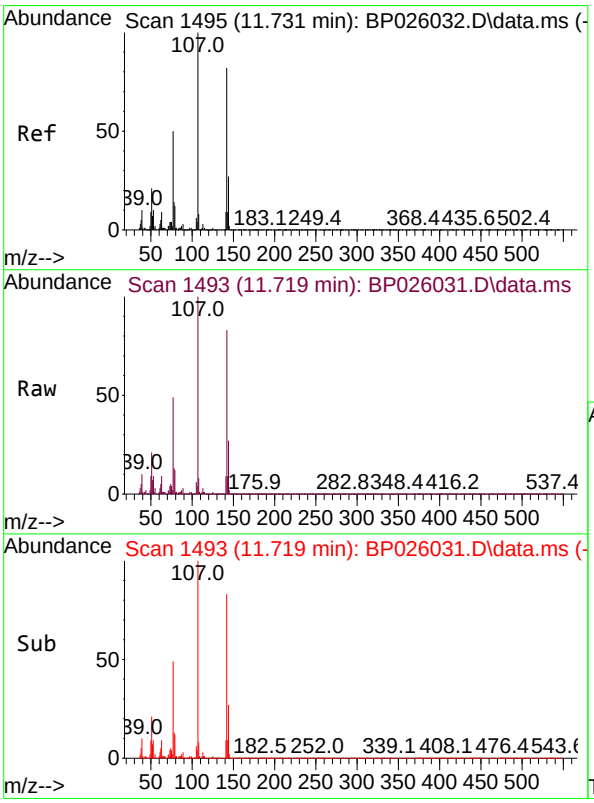
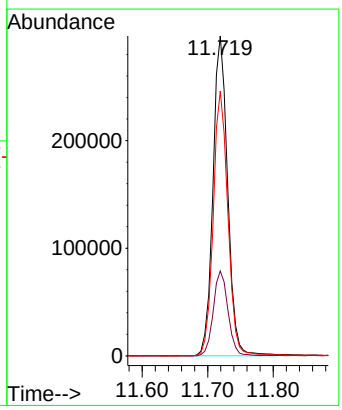


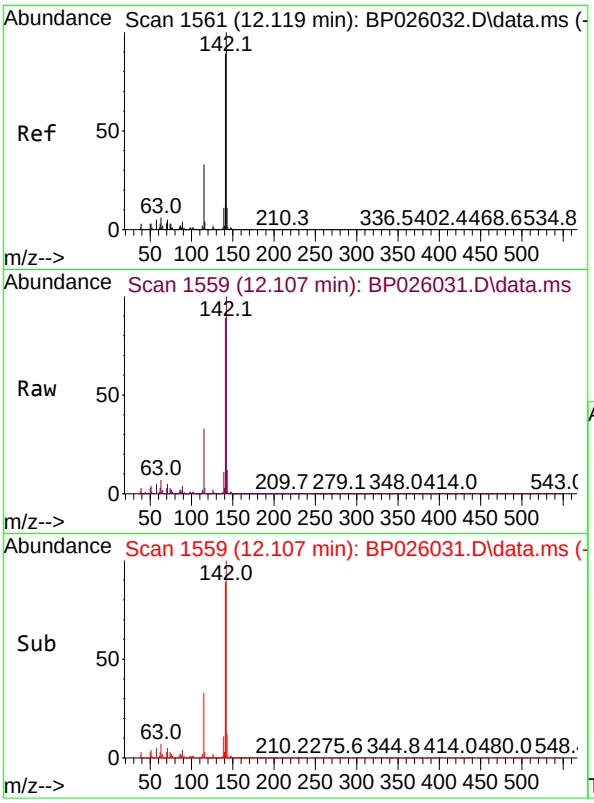


#36
4-Chloro-3-methylphenol
Concen: 20.367 ng
RT: 11.719 min Scan# 1493
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:107 Resp: 464170

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	82.7	65.2	97.8





#37
2-Methylnaphthalene
Concen: 20.213 ng
RT: 12.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:142 Resp: 110014

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.6	107.4
115	33.3	26.6	39.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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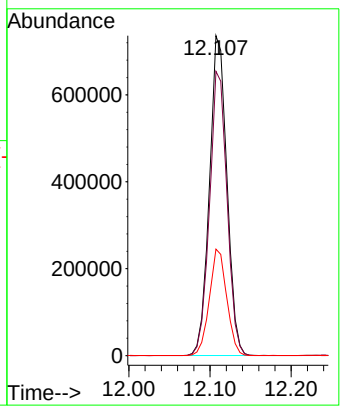
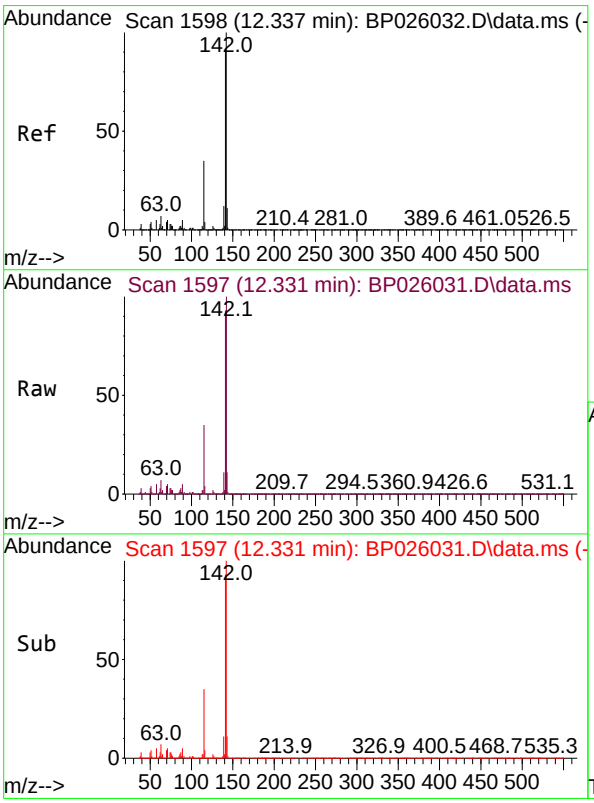
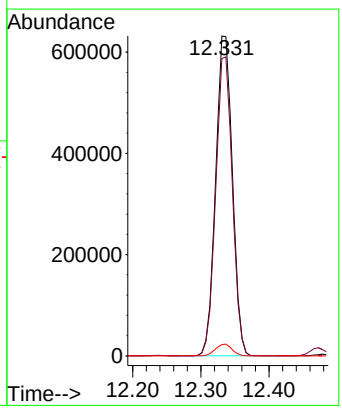


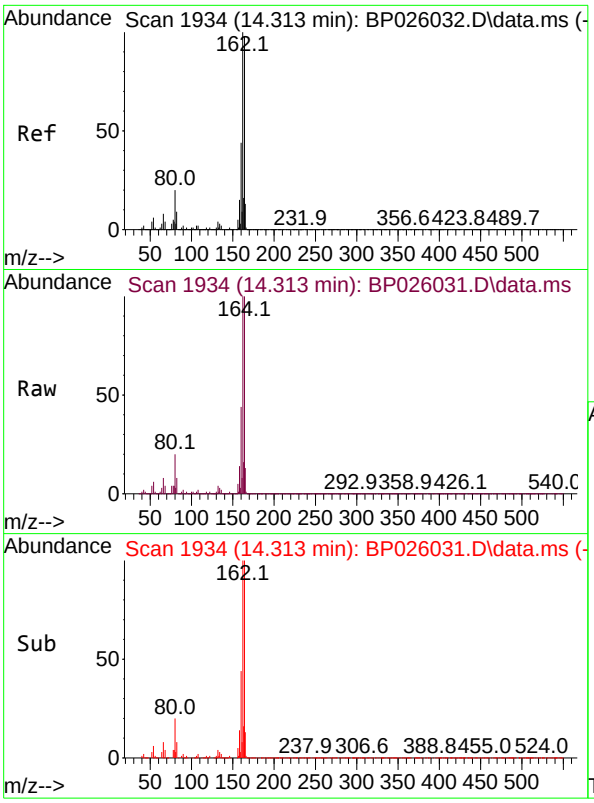


#38
1-Methylnaphthalene
Concen: 20.334 ng
RT: 12.331 min Scan# 1597
Delta R.T. -0.005 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:142 Resp: 1075202

Ion	Ratio	Lower	Upper
142	100		
141	92.9	72.7	109.1
116	3.5	2.9	4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:164 Resp: 884189

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.5	122.3
160	44.3	36.2	54.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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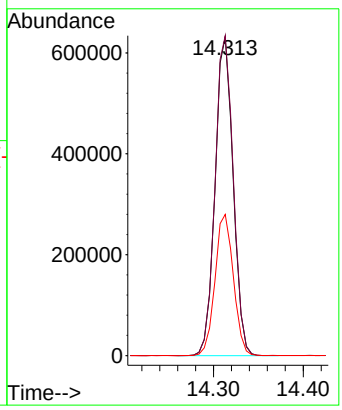
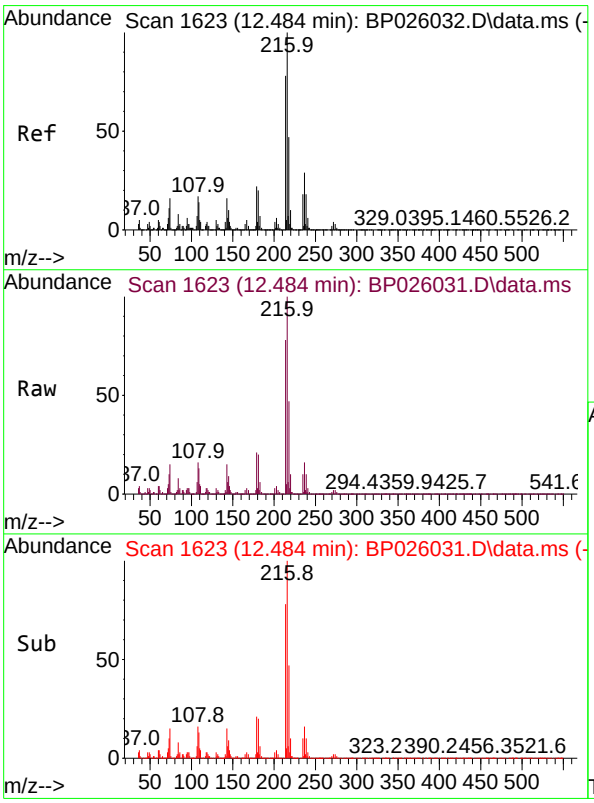
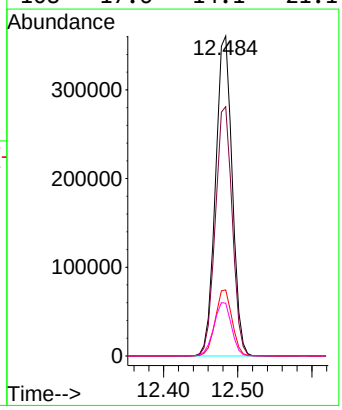


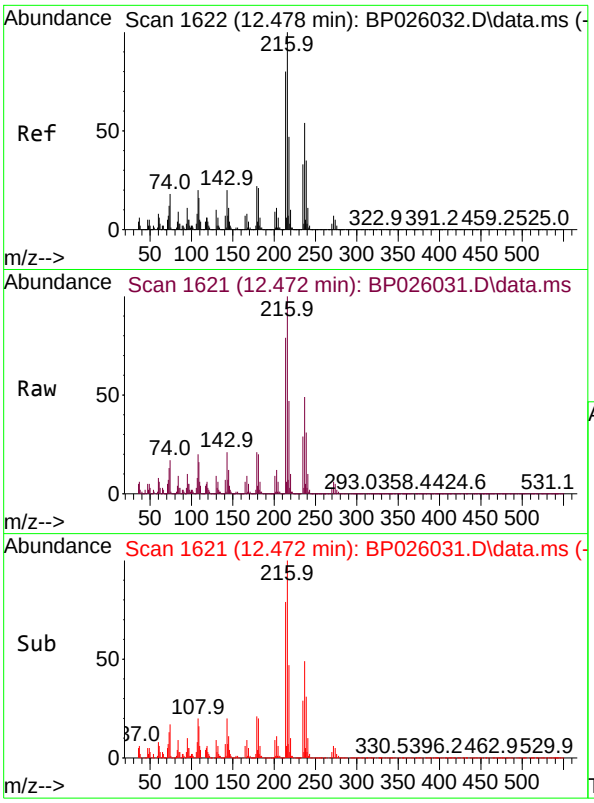


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.486 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:216 Resp: 562803

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.9	94.3
179	20.8	16.9	25.3
108	17.6	14.1	21.1





#41
Hexachlorocyclopentadiene
Concen: 17.444 ng
RT: 12.472 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:237 Resp: 17534

Ion	Ratio	Lower	Upper
237	100		
235	60.1	40.4	80.4
272	11.9	0.0	32.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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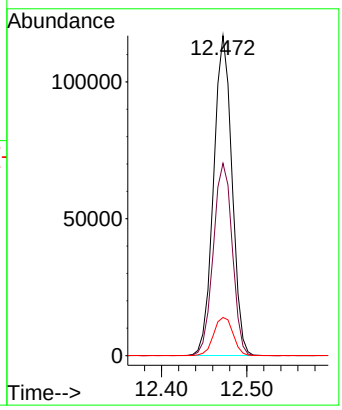
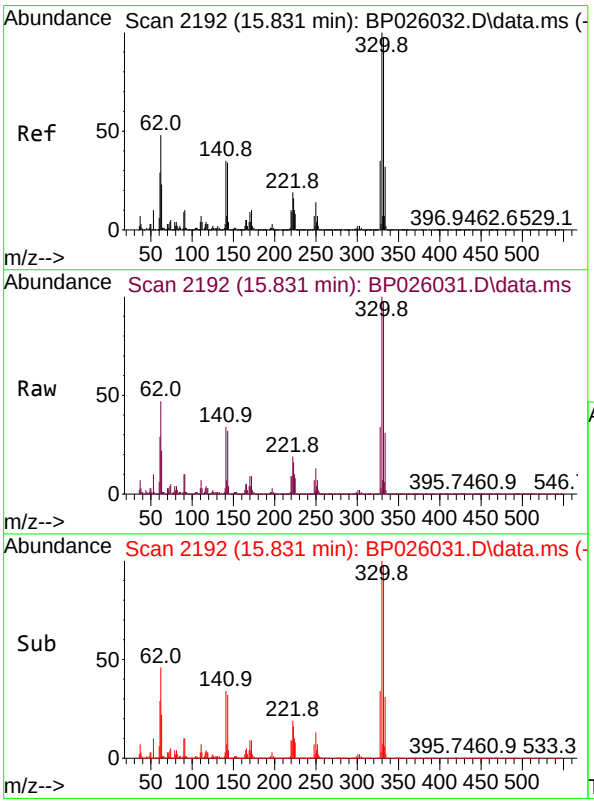
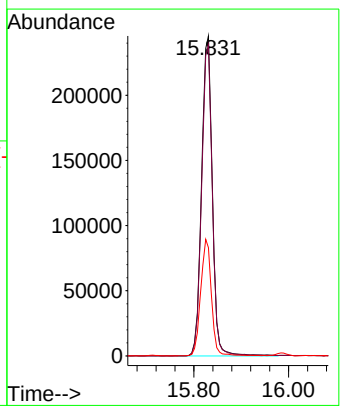


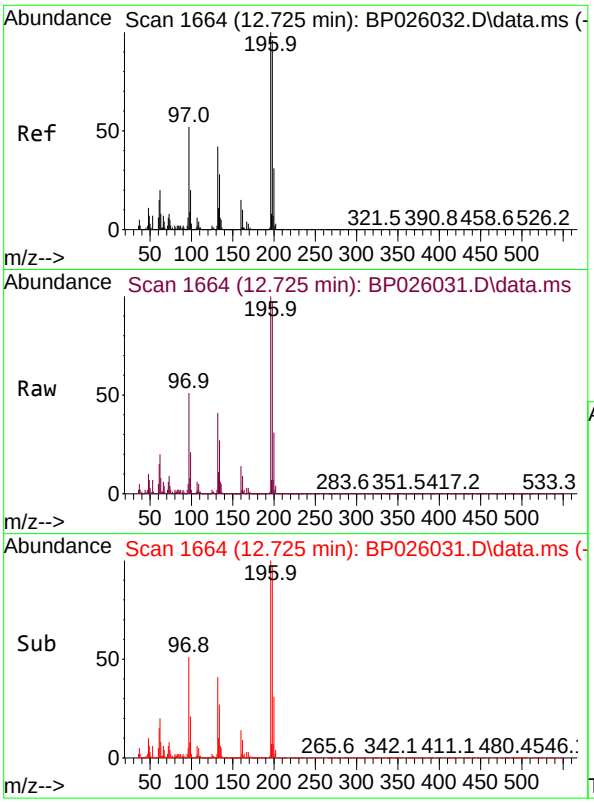


#42
2,4,6-Tribromophenol
Concen: 40.359 ng
RT: 15.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:330 Resp: 385788

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	36.3	28.6	42.8





#43
2,4,6-Trichlorophenol
Concen: 20.258 ng
RT: 12.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:196 Resp: 32896

Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.5	114.7
200	30.6	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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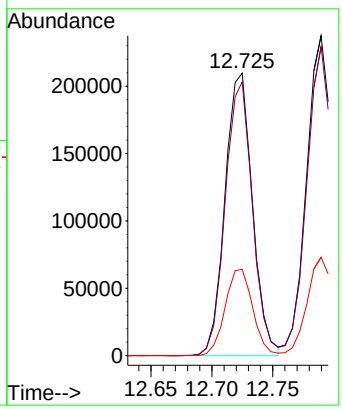
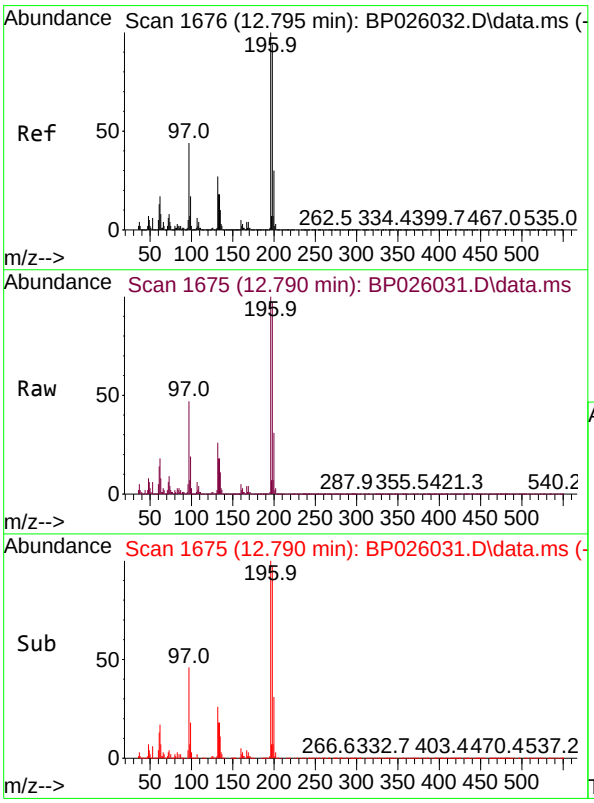
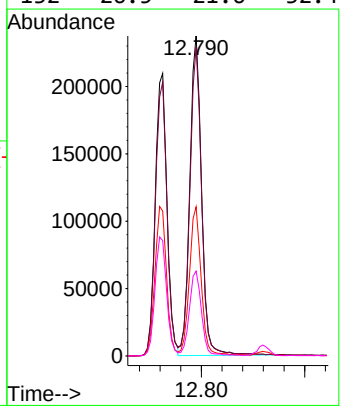


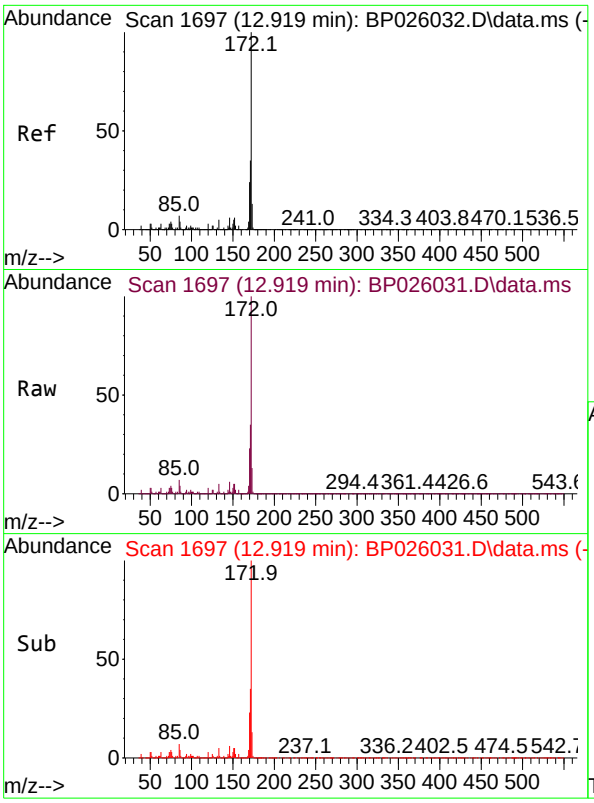


#44
2,4,5-Trichlorophenol
Concen: 20.260 ng
RT: 12.790 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:196 Resp: 375399

Ion	Ratio	Lower	Upper
196	100		
198	96.6	75.1	112.7
97	46.6	35.5	53.3
132	26.5	21.6	32.4





#45
2-Fluorobiphenyl
Concen: 41.774 ng
RT: 12.919 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:172 Resp: 257049

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.9	41.9
170	23.1	19.0	28.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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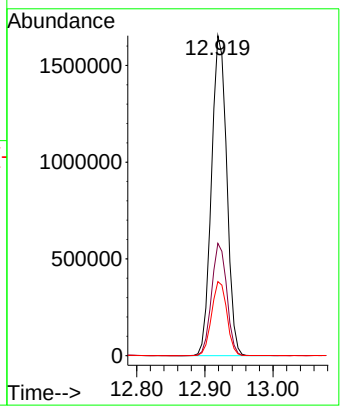
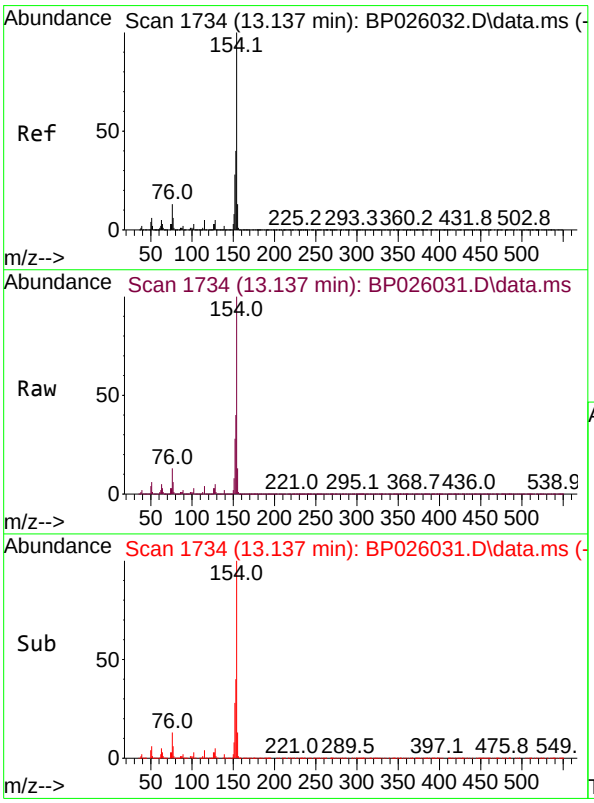
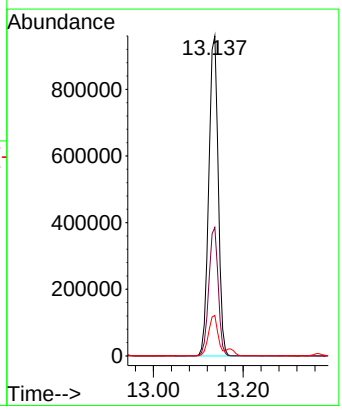


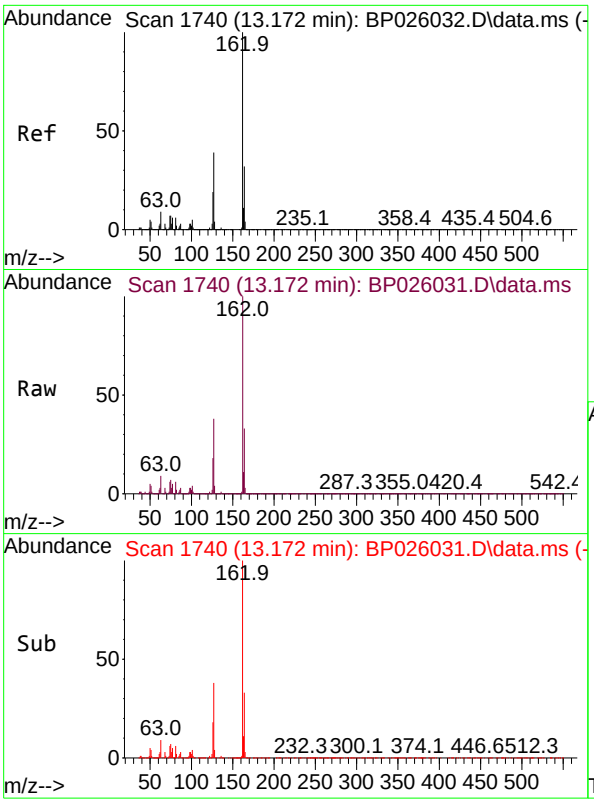


#46
1,1'-Biphenyl
Concen: 20.599 ng
RT: 13.137 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:154 Resp: 1394592

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.2	60.2
76	12.6	0.0	32.8





#47
2-Chloronaphthalene
Concen: 20.709 ng
RT: 13.172 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:162 Resp: 110311

Ion	Ratio	Lower	Upper
162	100		
127	38.1	31.4	47.2
164	32.8	25.9	38.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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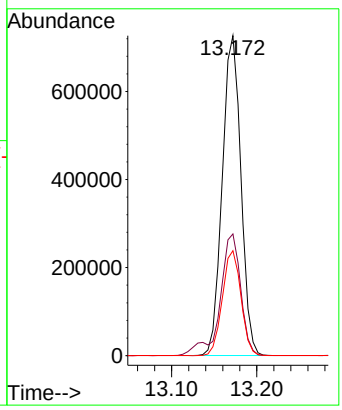
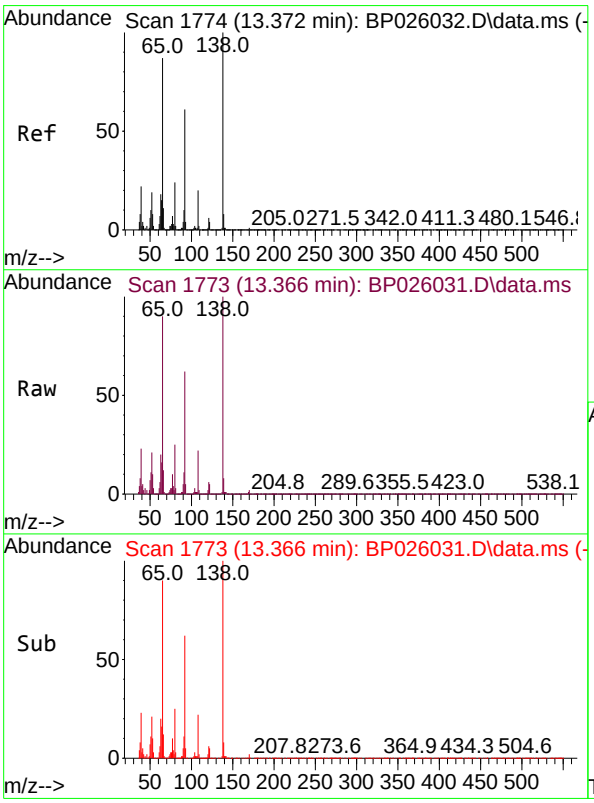
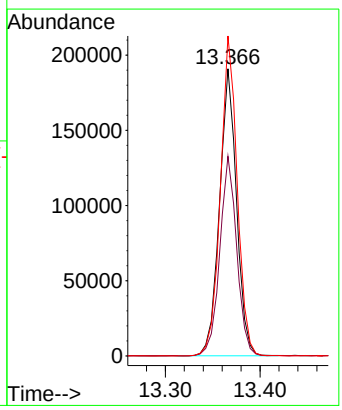


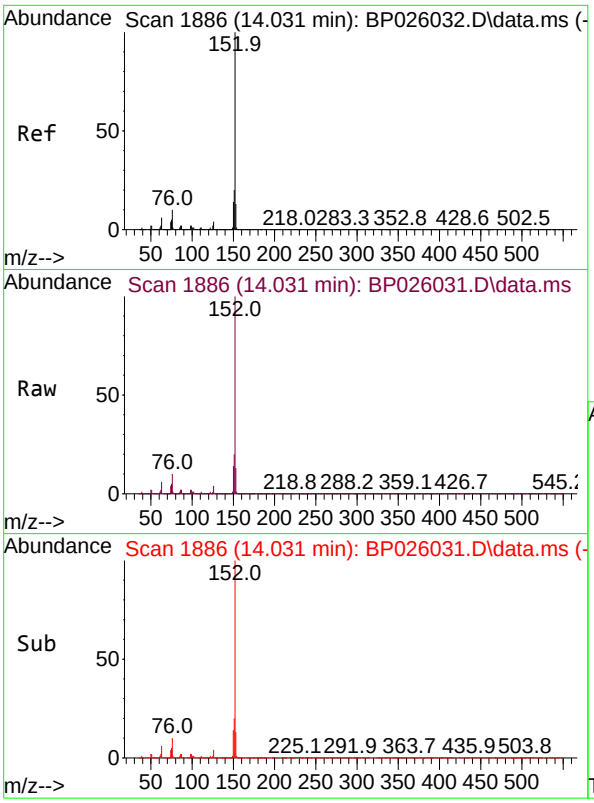


#48
2-Nitroaniline
Concen: 19.391 ng
RT: 13.366 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 65 Resp: 237733

Ion	Ratio	Lower	Upper
65	100		
92	69.5	55.5	83.3
138	111.5	91.7	137.5





#49
Acenaphthylene
Concen: 20.863 ng
RT: 14.031 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:152 Resp: 1619778

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.9	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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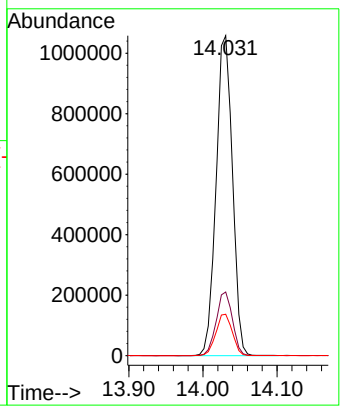
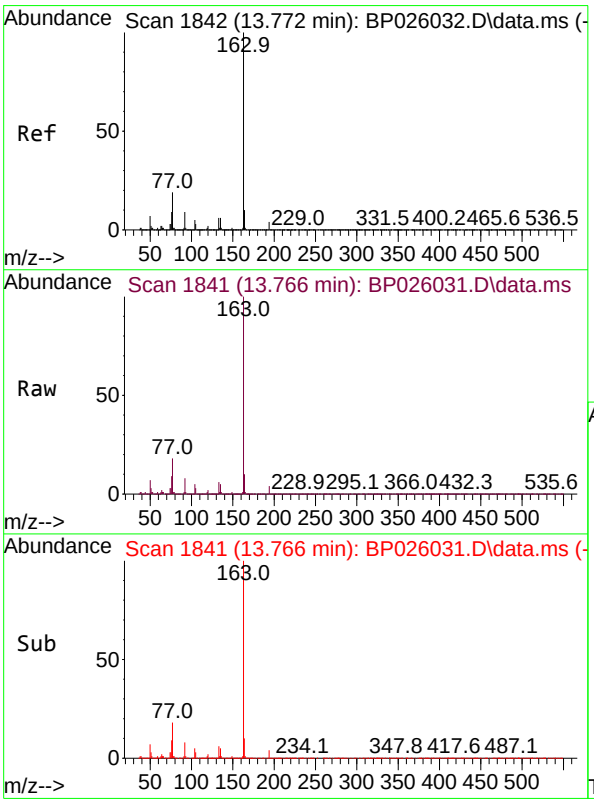
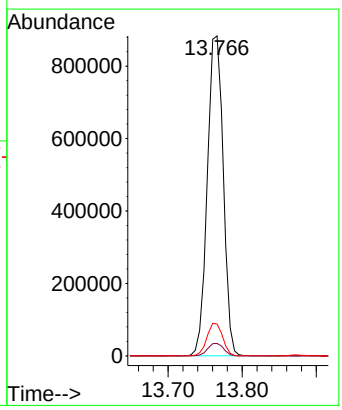


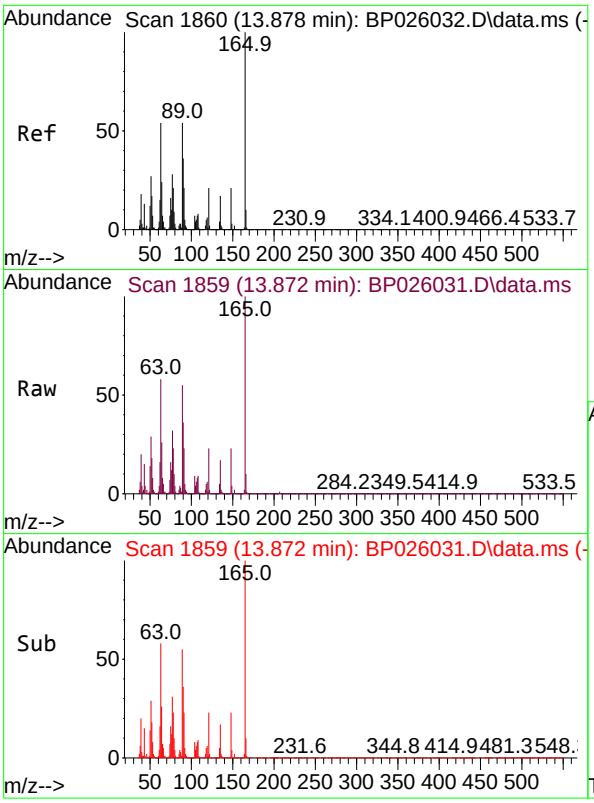


#50
Dimethylphthalate
Concen: 20.496 ng
RT: 13.766 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:163 Resp: 1318220

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.0	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 19.266 ng
RT: 13.872 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:165 Resp: 20649

Ion	Ratio	Lower	Upper
165	100		
63	58.1	43.0	64.4
89	55.3	43.0	64.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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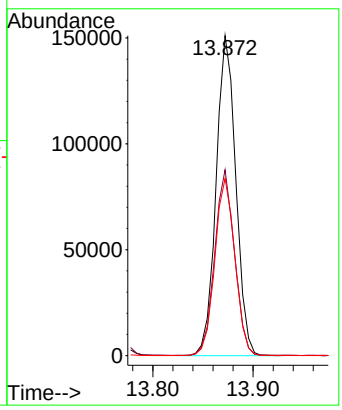
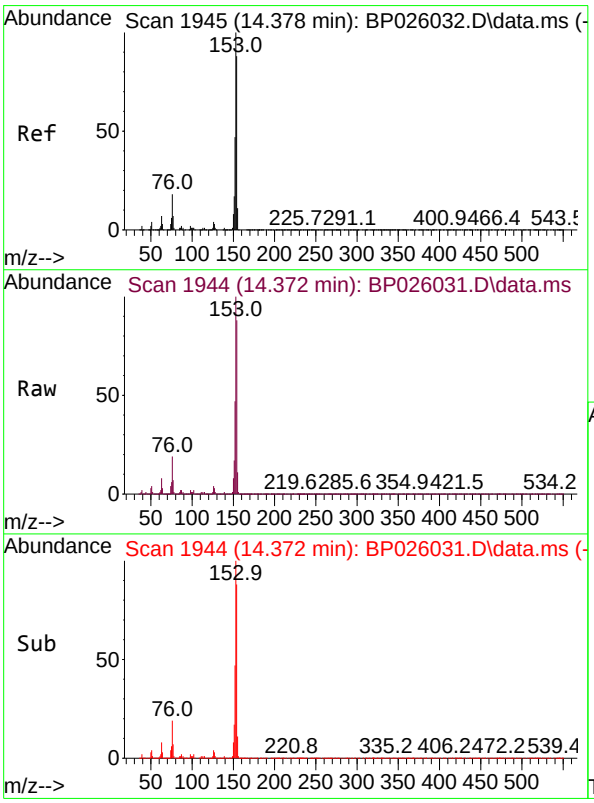
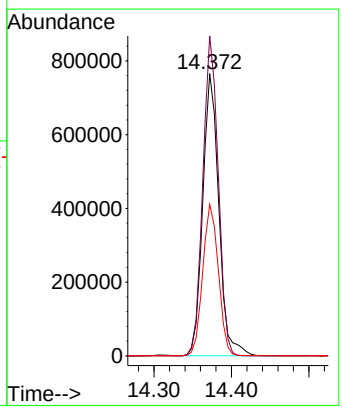


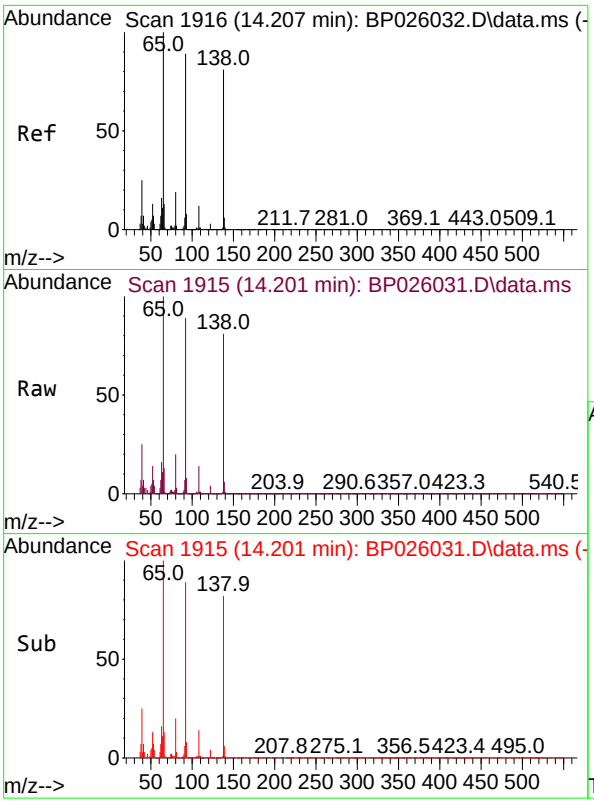


#52
Acenaphthene
Concen: 20.678 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:154 Resp: 1102148

Ion	Ratio	Lower	Upper
154	100		
153	113.3	91.0	136.4
152	53.7	42.7	64.1





#53
3-Nitroaniline
Concen: 19.720 ng
RT: 14.201 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:138 Resp: 261900

Ion	Ratio	Lower	Upper
138	100		
108	16.7	11.4	17.0
92	108.8	87.1	130.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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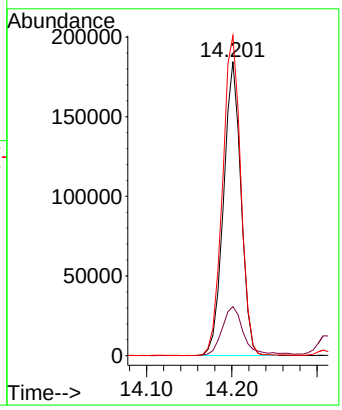
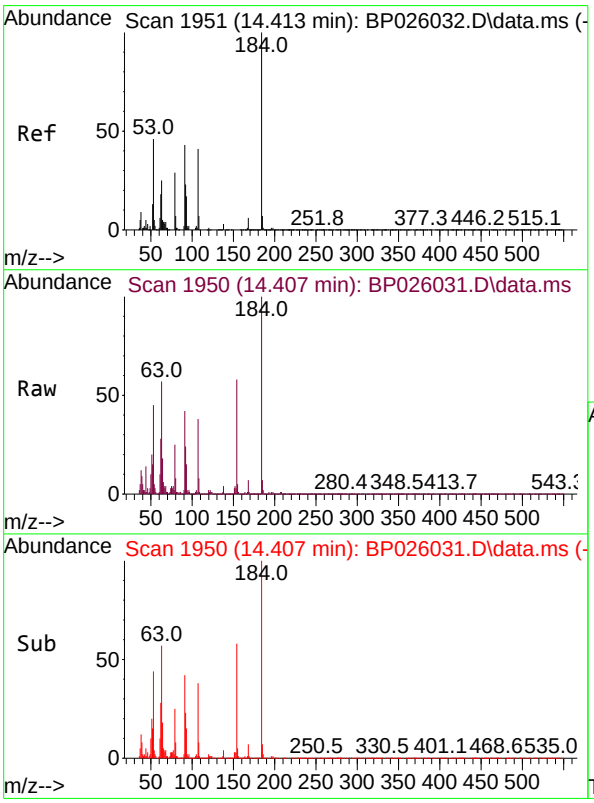
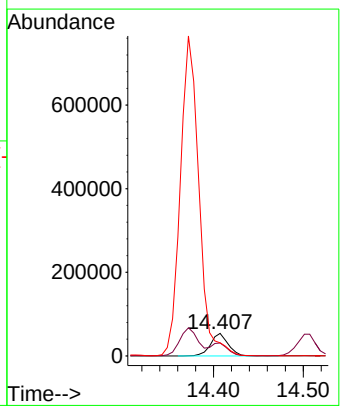


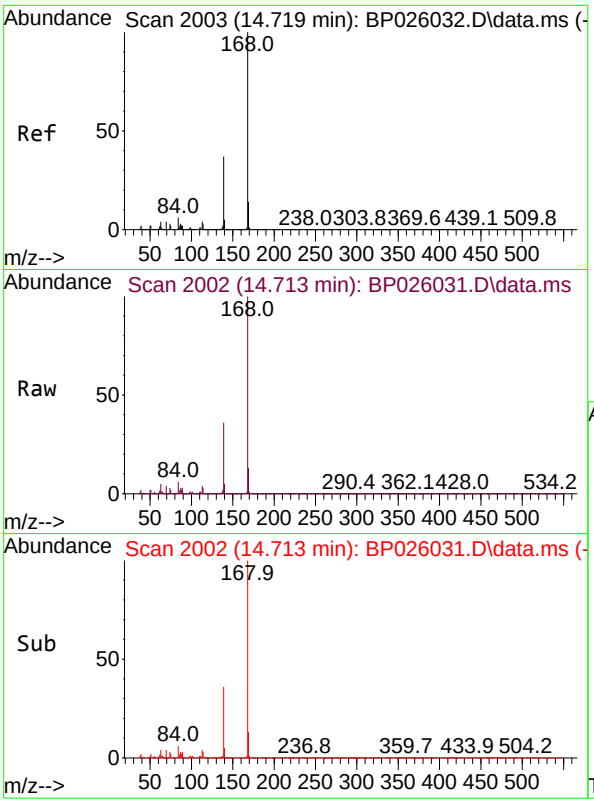


#54
2,4-Dinitrophenol
Concen: 20.106 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:184 Resp: 72866

Ion	Ratio	Lower	Upper
184	100		
63	57.3	49.0	73.4
154	57.6	51.0	76.6





#55
Dibenzofuran
Concen: 20.703 ng
RT: 14.713 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:168 Resp: 166718

Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.7	44.5
169	13.4	11.0	16.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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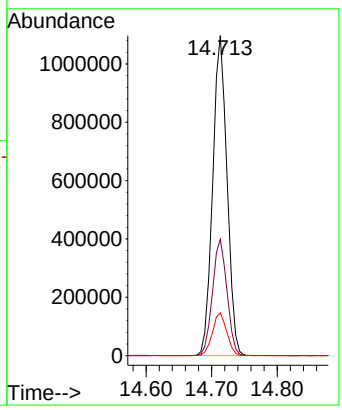
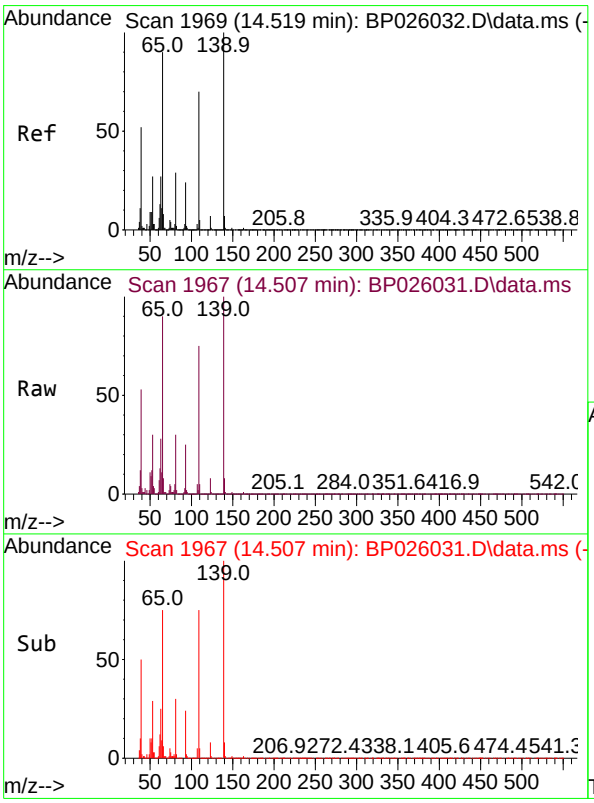
Supervised By :Jagrut Upadhyay 11/04/2025

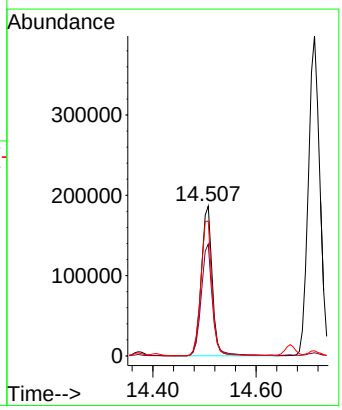


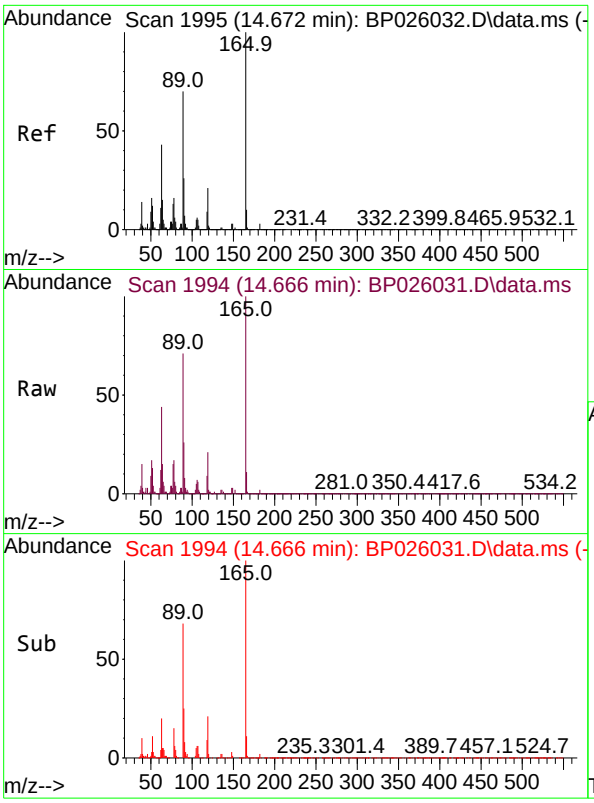


#56
4-Nitrophenol
Concen: 21.327 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:139 Resp: 273512

Ion	Ratio	Lower	Upper
139	100		
109	74.6	50.0	90.0
65	90.0	69.6	109.6





#57
2,4-Dinitrotoluene
Concen: 19.242 ng
RT: 14.666 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:165 Resp: 30069

Ion	Ratio	Lower	Upper
165	100		
63	44.0	34.2	51.2
89	70.7	56.0	84.0
182	2.4	2.2	3.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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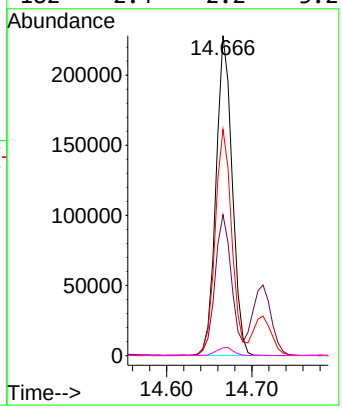
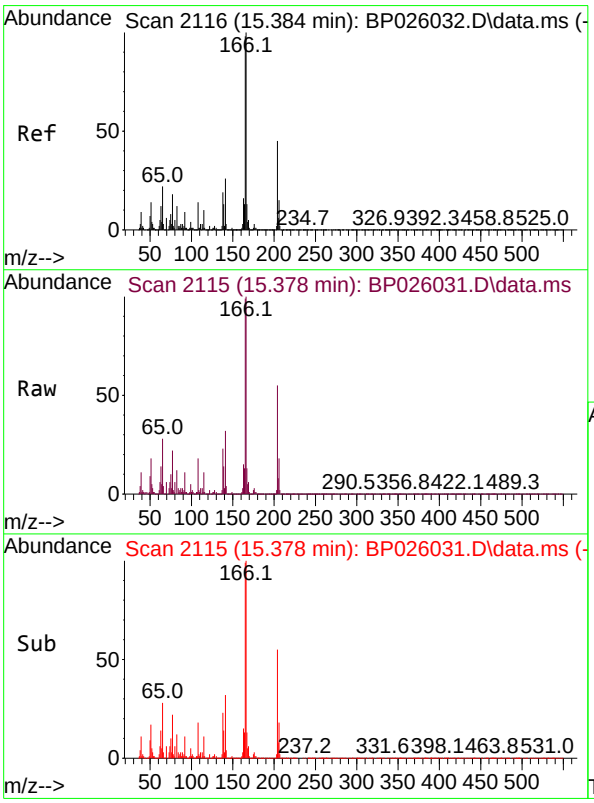
Supervised By :Jagrut Upadhyay 11/04/2025

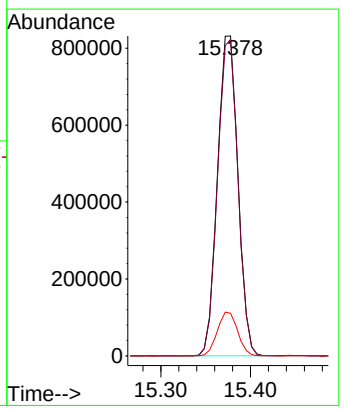


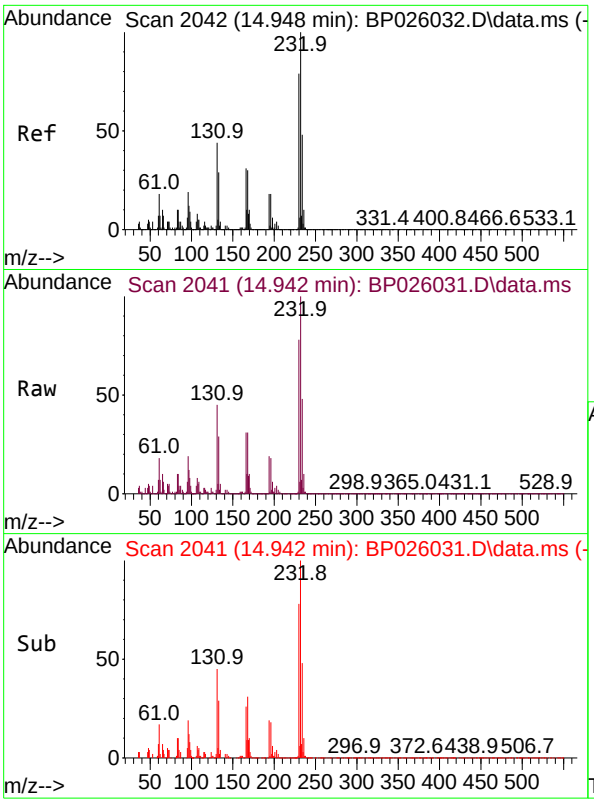


#58
Fluorene
Concen: 21.030 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:166 Resp: 1326773

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.1	117.1
167	13.3	10.6	16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.145 ng
RT: 14.942 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:232 Resp: 29349

Ion	Ratio	Lower	Upper
232	100		
131	44.9	35.2	52.8
130	2.4	1.7	2.5
166	31.1	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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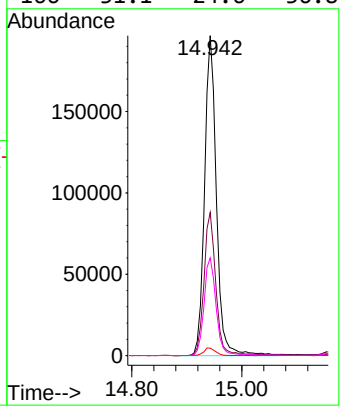
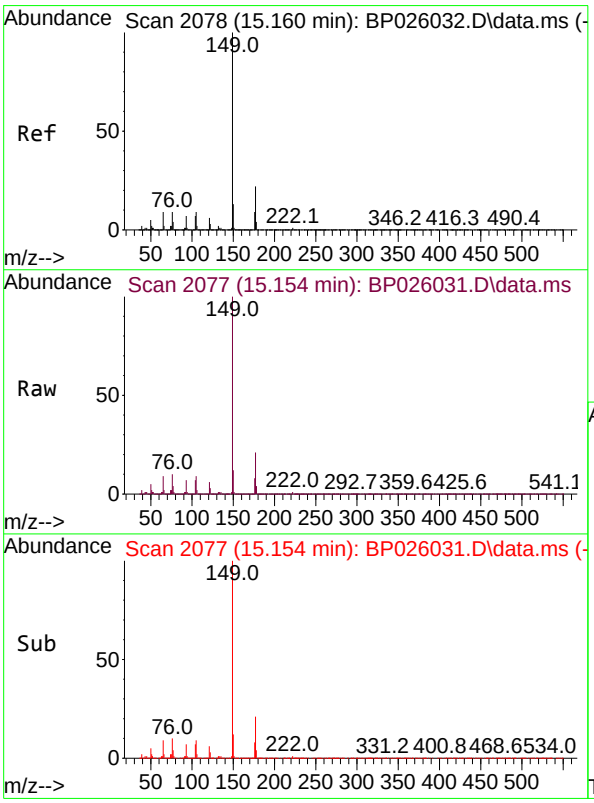
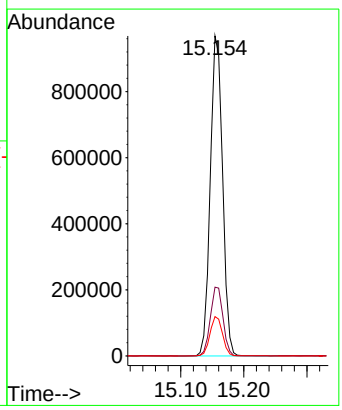


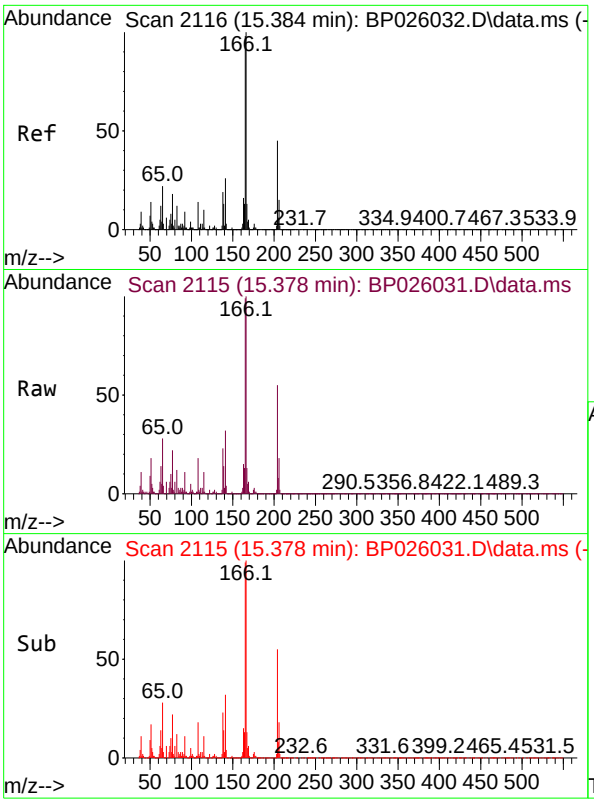


#60
Diethylphthalate
Concen: 20.288 ng
RT: 15.154 min Scan# 2077
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:149 Resp: 1311790

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.9	26.9
150	12.3	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 20.656 ng
RT: 15.378 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:204 Resp: 65077

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	58.3	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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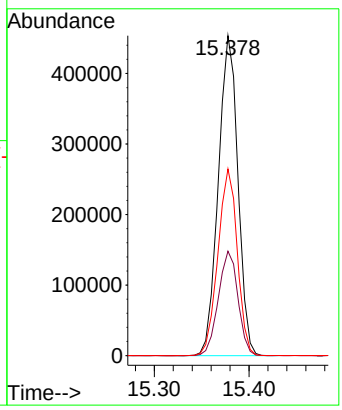
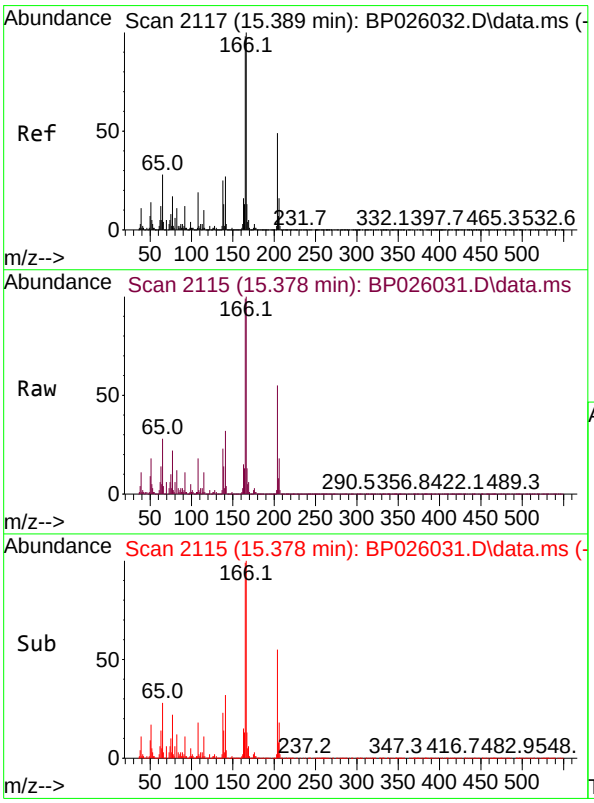
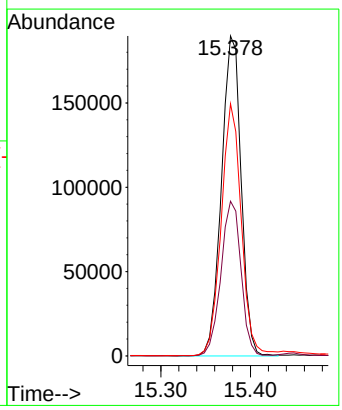


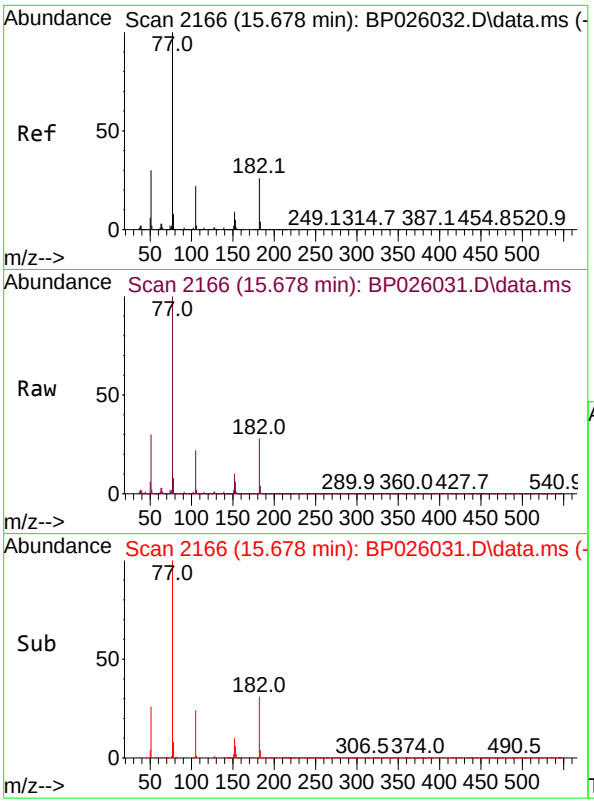


#62
4-Nitroaniline
Concen: 21.112 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.023 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:138 Resp: 290147

Ion	Ratio	Lower	Upper
138	100		
92	48.3	28.2	68.2
108	78.8	56.0	96.0





#63
Azobenzene
Concen: 20.597 ng
RT: 15.678 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 77 Resp: 120697

Ion	Ratio	Lower	Upper
77	100		
182	28.4	6.4	46.4
105	21.9	2.2	42.2
51	30.2	10.3	50.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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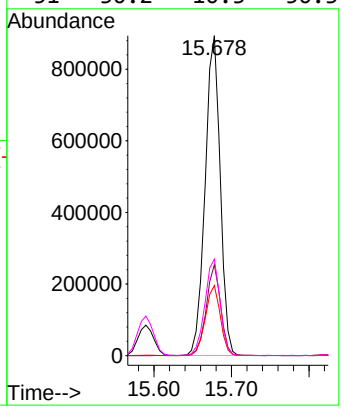
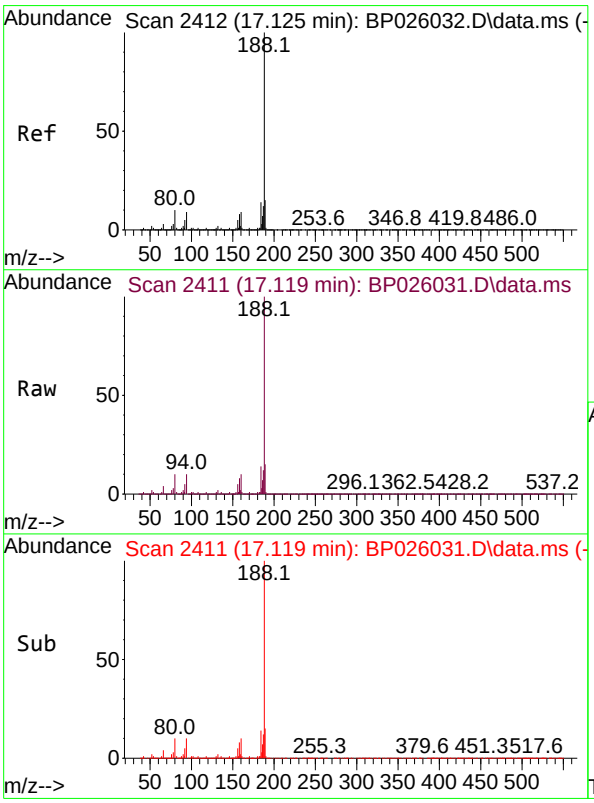
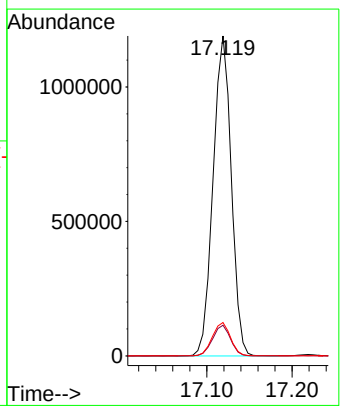


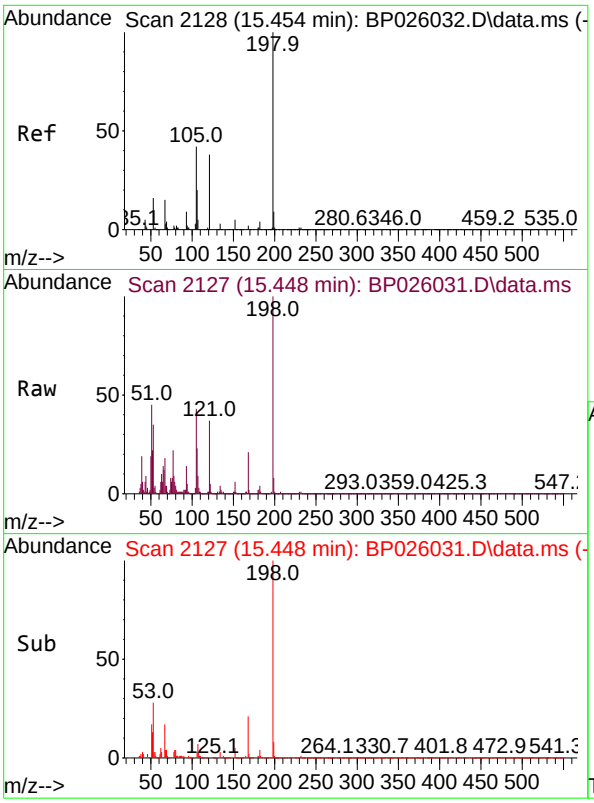


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:188 Resp: 1764983

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.1	10.7
80	10.4	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 20.196 ng
RT: 15.448 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:198 Resp: 11388

Ion	Ratio	Lower	Upper
198	100		
51	44.8	25.2	65.2
105	43.2	23.7	63.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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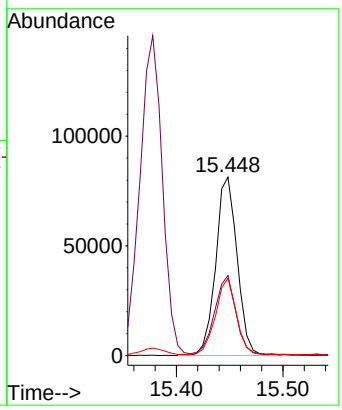
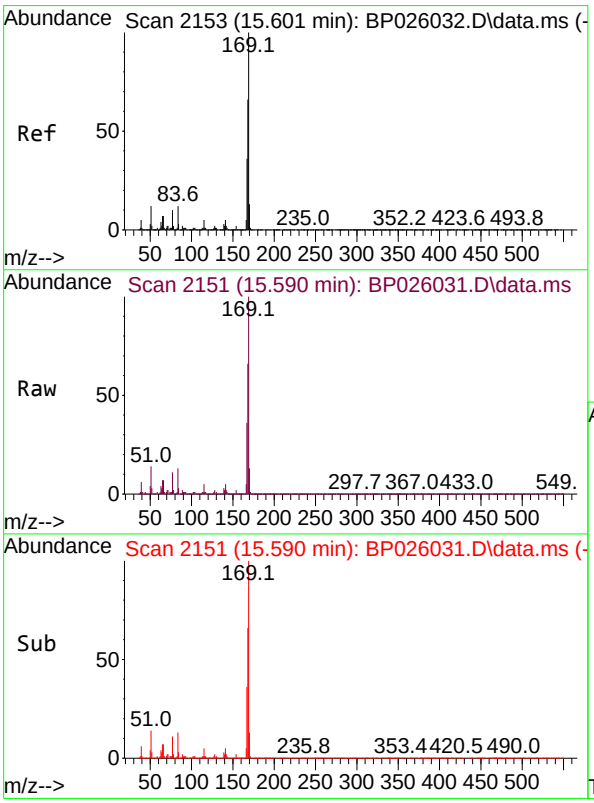
Supervised By :Jagrut Upadhyay 11/04/2025

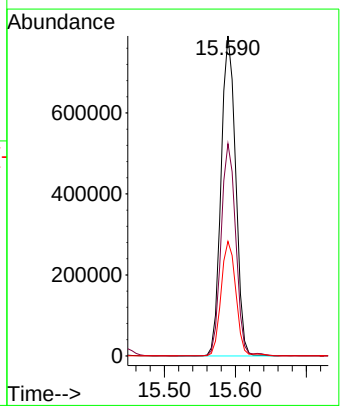


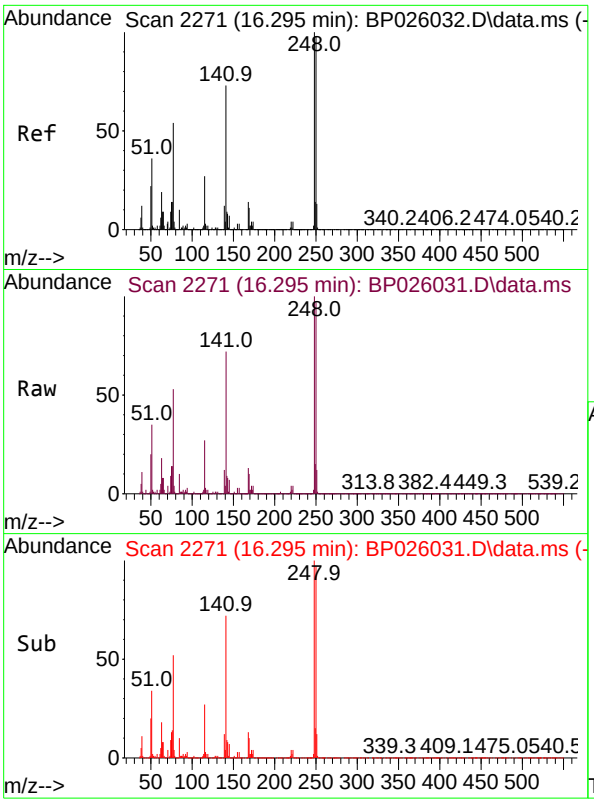


#66
n-Nitrosodiphenylamine
Concen: 20.503 ng
RT: 15.590 min Scan# 2151
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:169 Resp: 1131476

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.9	79.3
167	35.8	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 19.995 ng
RT: 16.295 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:248 Resp: 391458

Ion	Ratio	Lower	Upper
248	100		
250	96.6	78.4	117.6
141	71.8	58.3	87.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Rahul Chavli 10/30/2025
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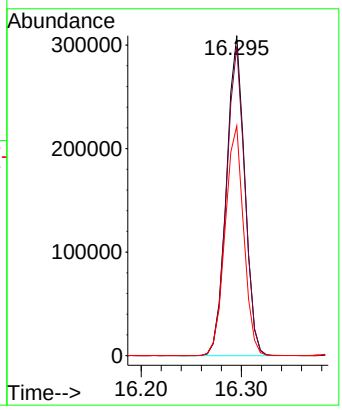
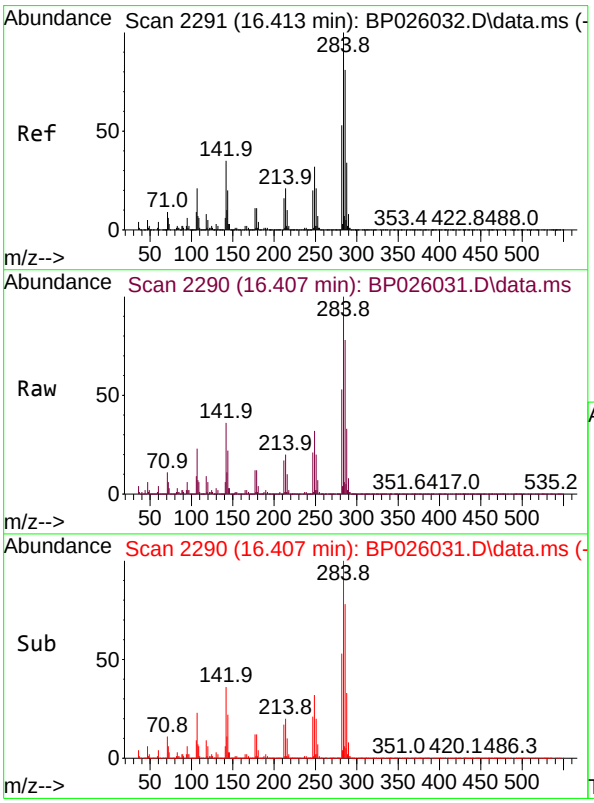
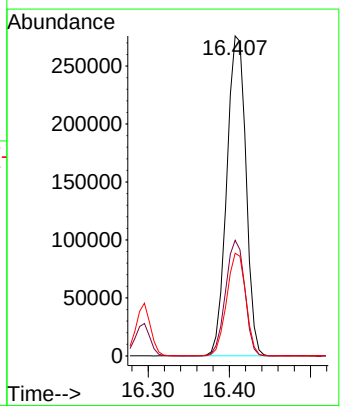


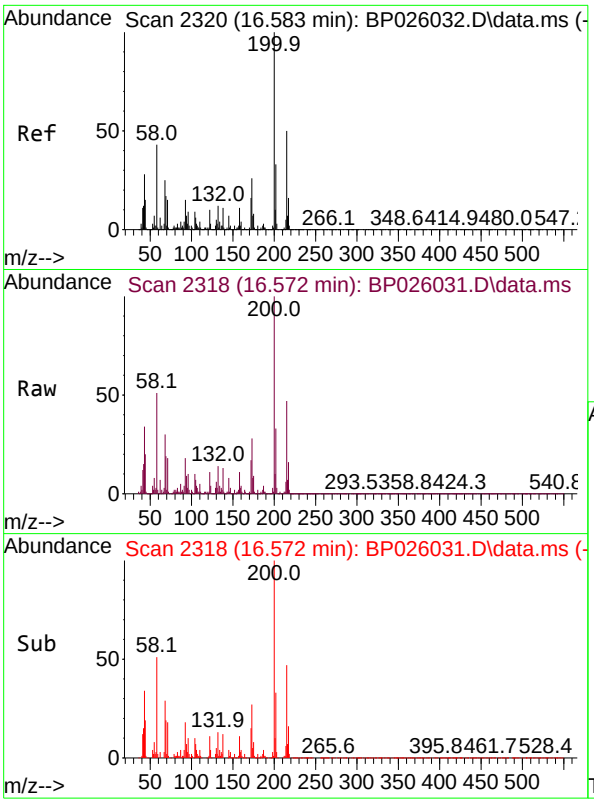


#68
Hexachlorobenzene
Concen: 20.312 ng
RT: 16.407 min Scan# 2290
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:284 Resp: 452701

Ion	Ratio	Lower	Upper
284	100		
142	36.1	27.7	41.5
249	32.1	25.5	38.3





#69
Atrazine
Concen: 20.916 ng
RT: 16.572 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:200 Resp: 38938

Ion	Ratio	Lower	Upper
200	100		
173	27.8	6.2	46.2
215	46.8	29.8	69.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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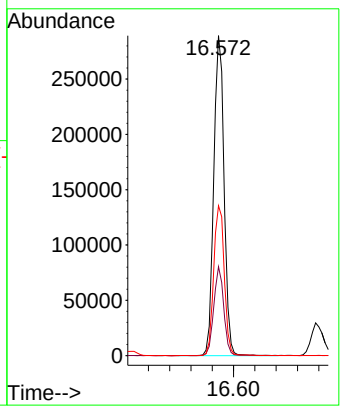
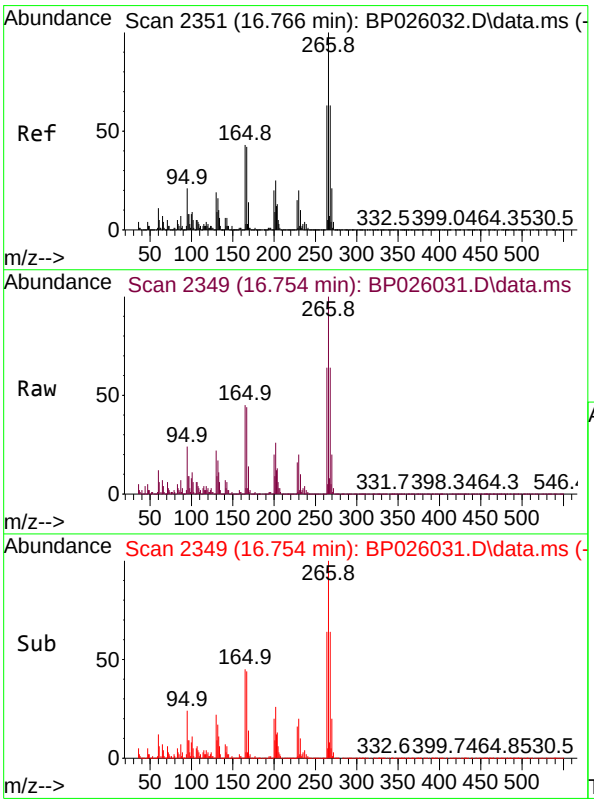
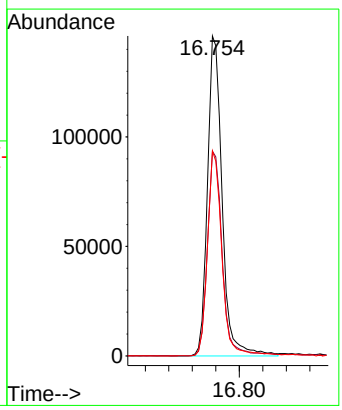


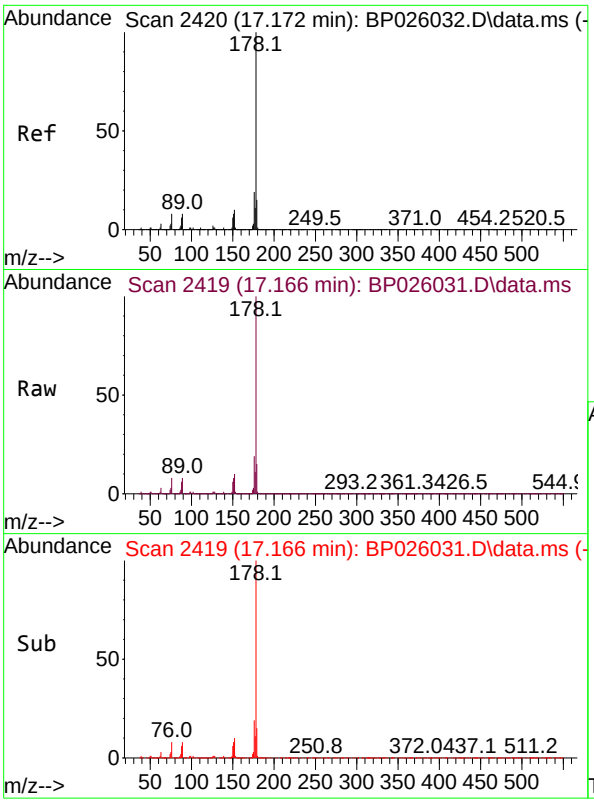


#70
Pentachlorophenol
Concen: 18.548 ng
RT: 16.754 min Scan# 2349
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:266 Resp: 252504

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.6	76.0
264	64.0	50.2	75.4





#71
Phenanthrene
Concen: 20.777 ng
RT: 17.166 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:178 Resp: 213441

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.4	12.3	18.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Rahul Chavli 10/30/2025
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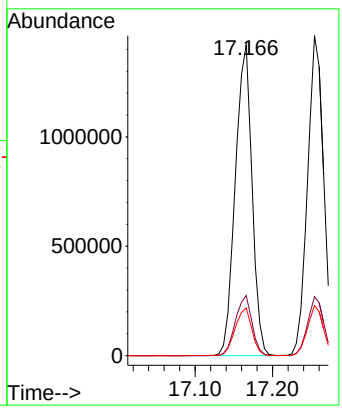
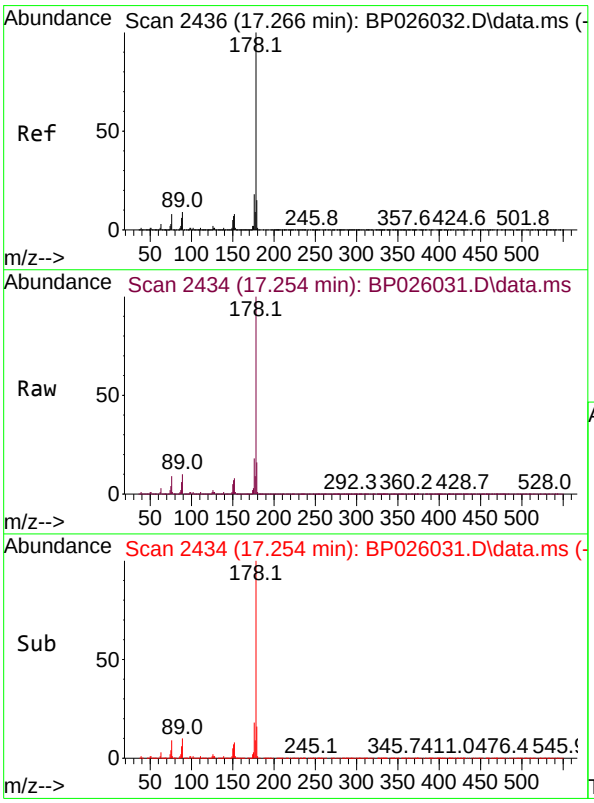
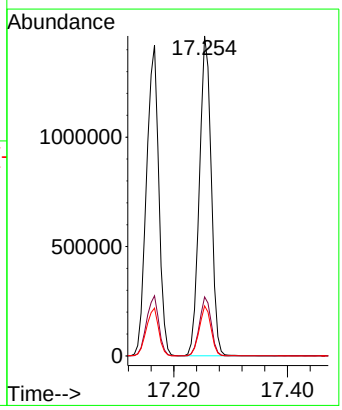


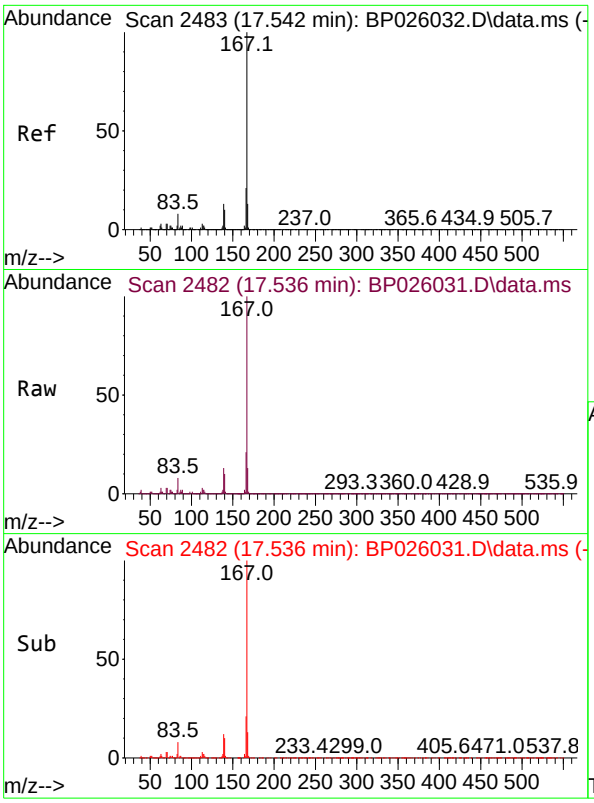


#72
Anthracene
Concen: 20.719 ng
RT: 17.254 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:178 Resp: 2109900

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.6	12.2	18.4





#73
Carbazole
Concen: 21.318 ng
RT: 17.536 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:167 Resp: 205498

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.1	25.7
139	12.5	10.2	15.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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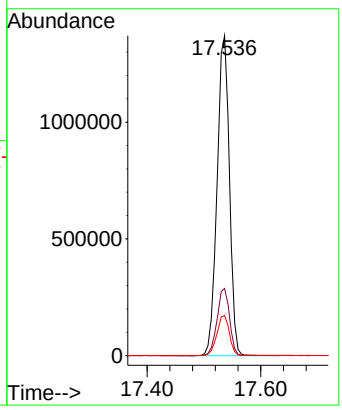
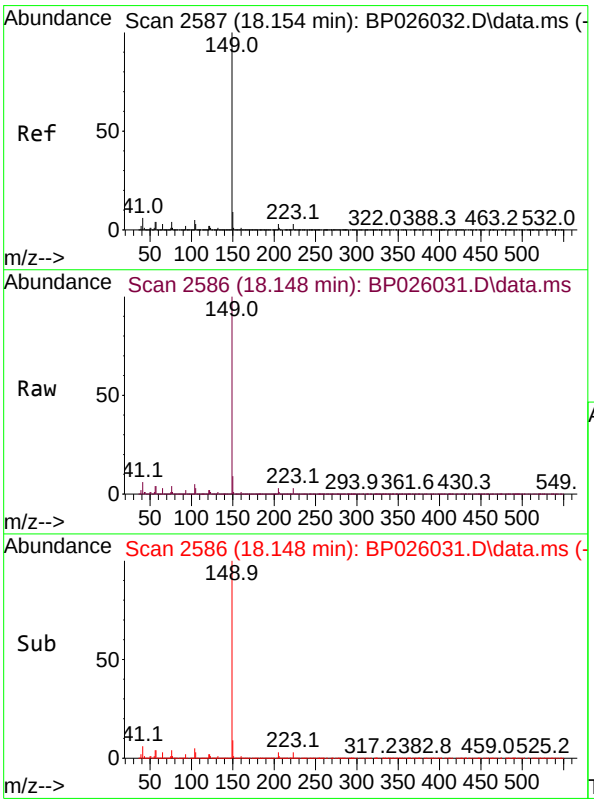
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

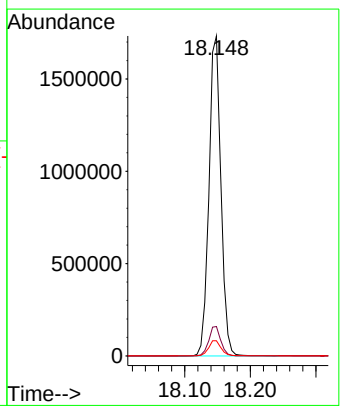


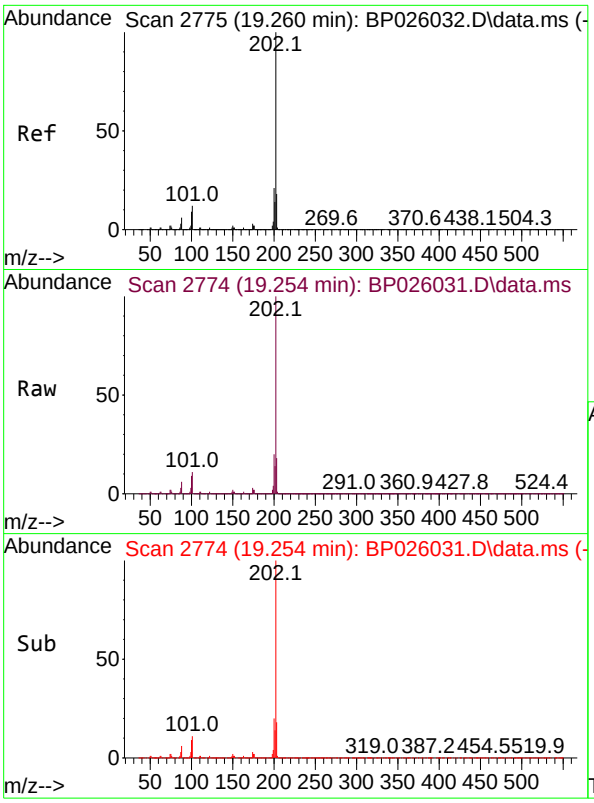


#74
Di-n-butylphthalate
Concen: 20.303 ng
RT: 18.148 min Scan# 2586
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:149 Resp: 2189917

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	3.8	5.6





#75
Fluoranthene
Concen: 21.002 ng
RT: 19.254 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

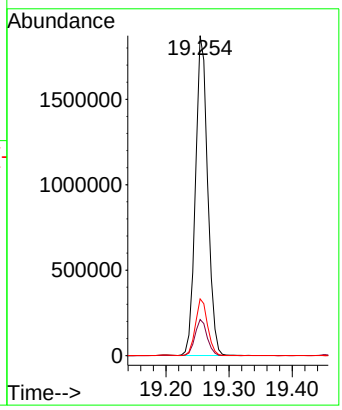
Tgt Ion:202 Resp: 251680

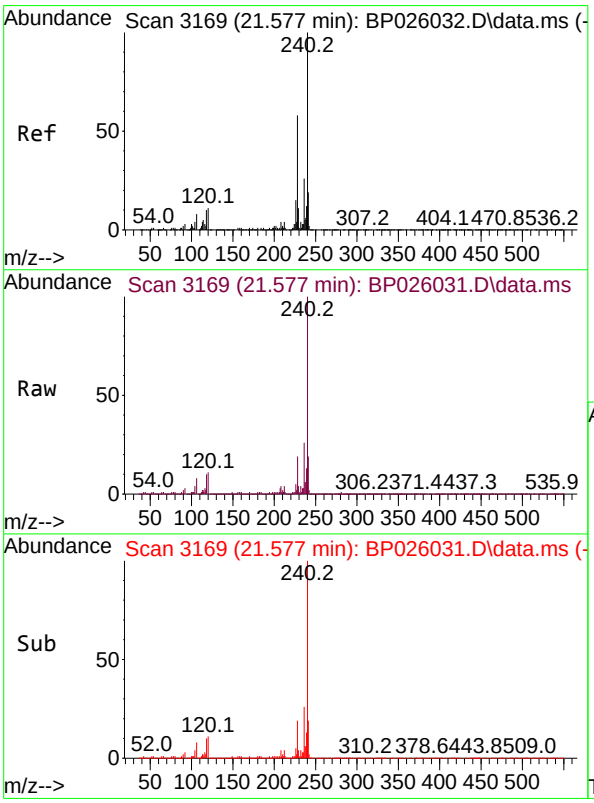
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.1
203	17.7	0.0	37.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

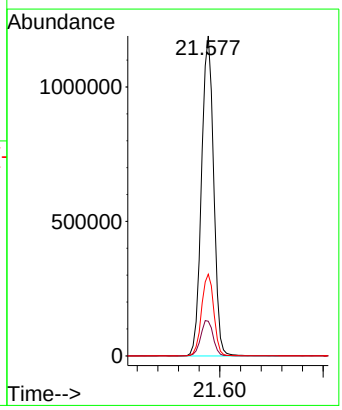


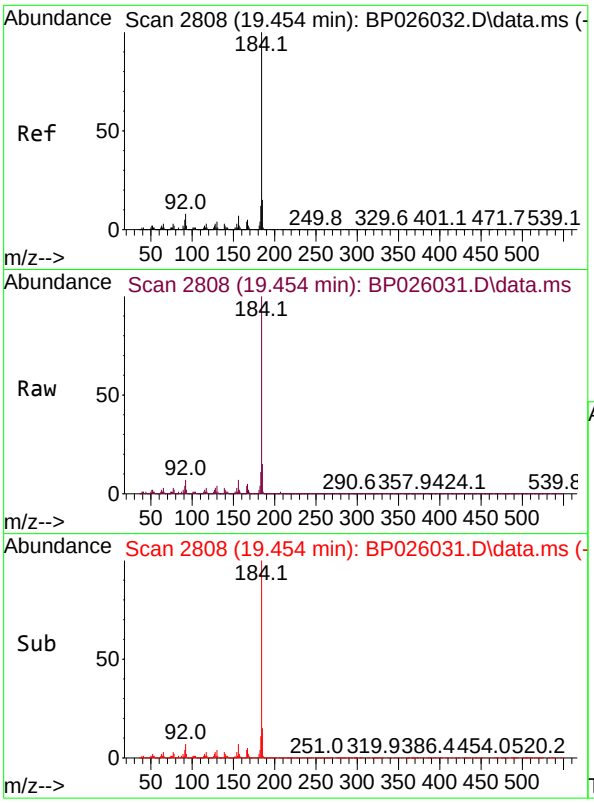


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:240 Resp: 1935916

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	25.5	20.6	31.0





#77
Benzidine
Concen: 20.030 ng
RT: 19.454 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

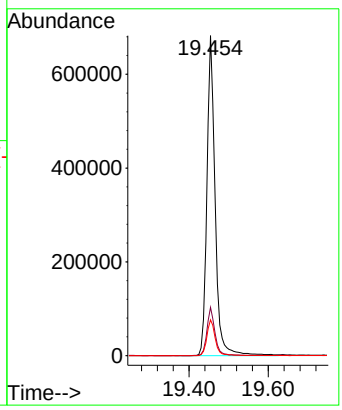
Tgt Ion:184 Resp: 98423

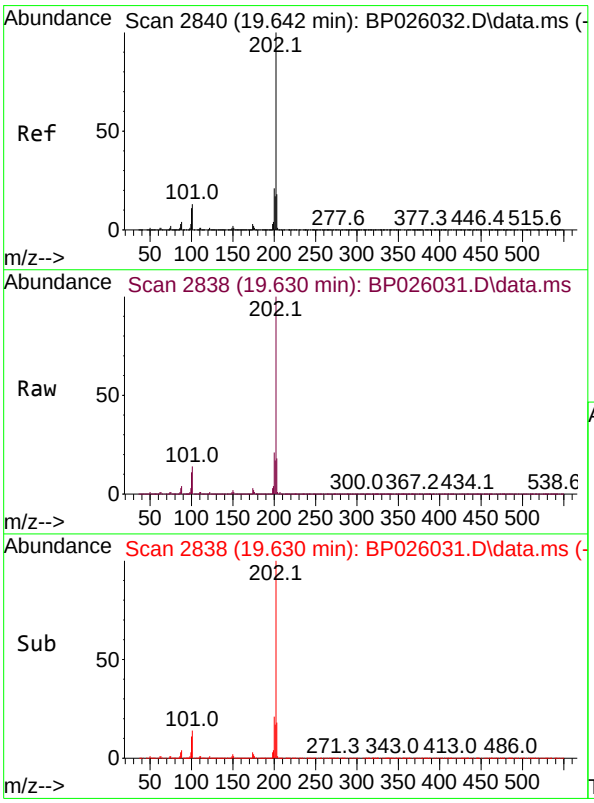
Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.9	17.9
183	11.2	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

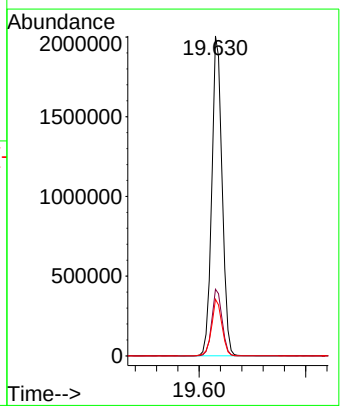


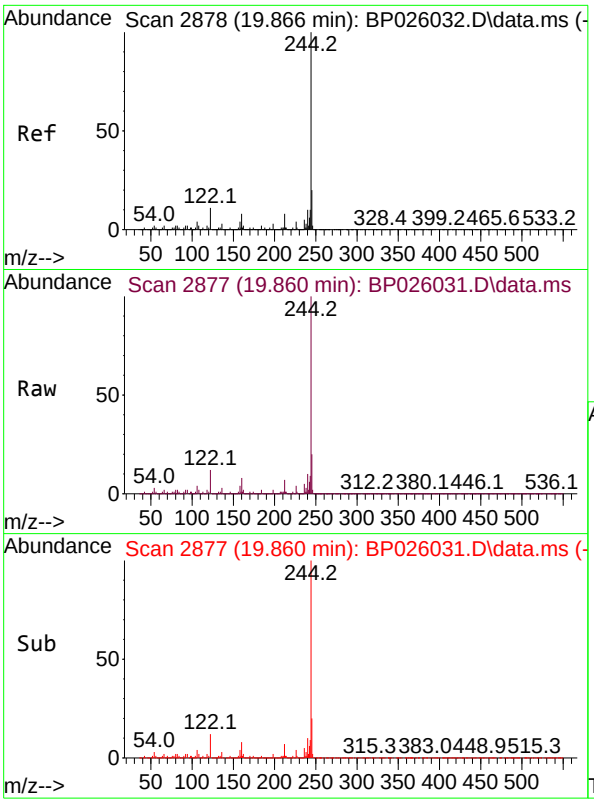


#78
Pyrene
Concen: 20.628 ng
RT: 19.630 min Scan# 2838
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:202 Resp: 2700976

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.7	14.0	21.0





#79
Terphenyl-d14
Concen: 41.147 ng
RT: 19.860 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:244 Resp: 392073

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	11.6	9.0	13.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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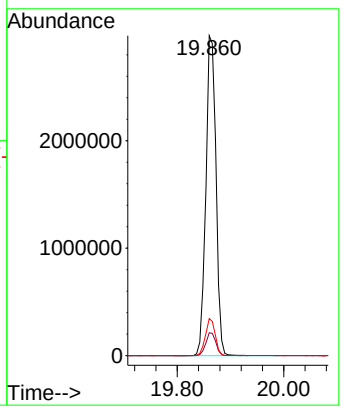
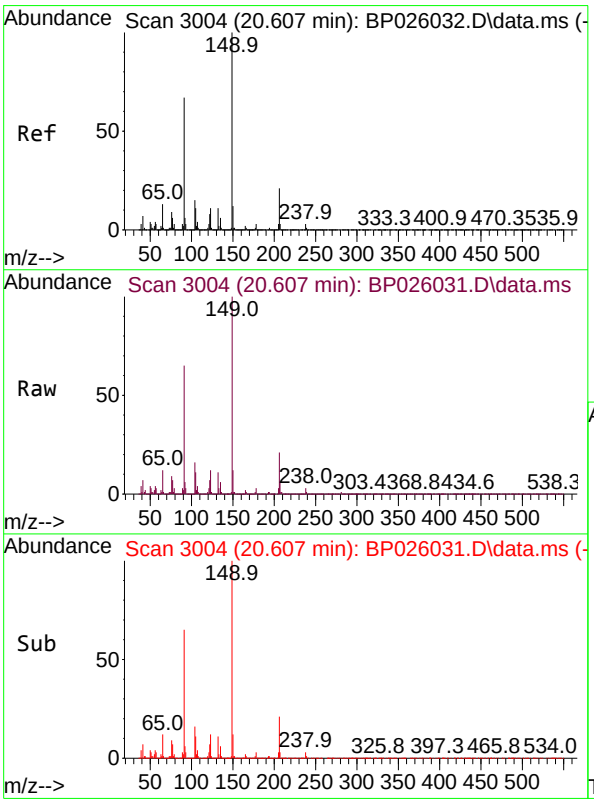
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

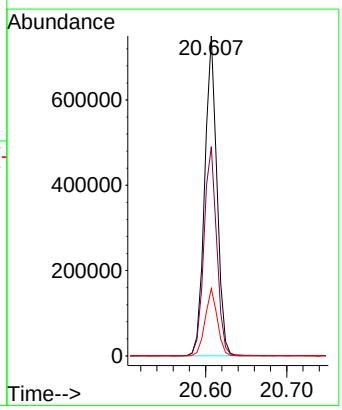


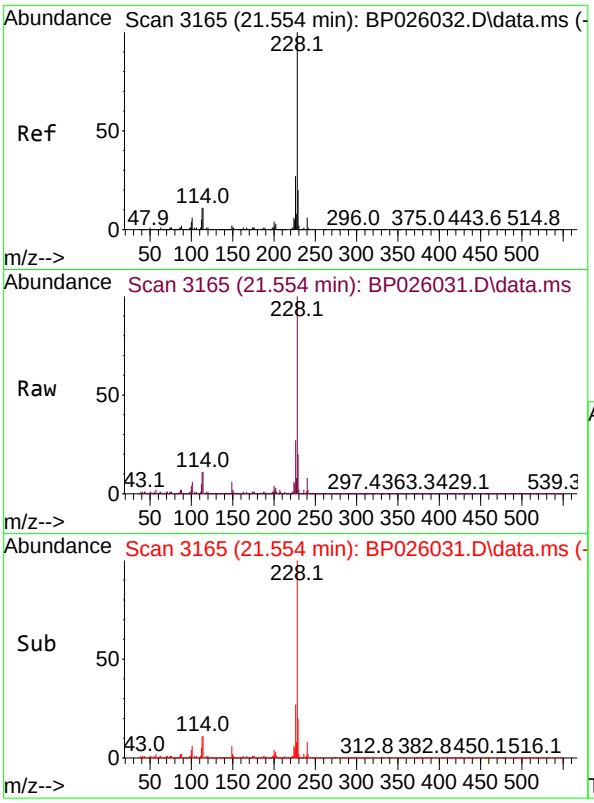


#80
Butylbenzylphthalate
Concen: 18.358 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:149 Resp: 787044

Ion	Ratio	Lower	Upper
149	100		
91	65.4	53.5	80.3
206	21.0	16.6	25.0





#81
Benzo(a)anthracene
Concen: 20.474 ng
RT: 21.554 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

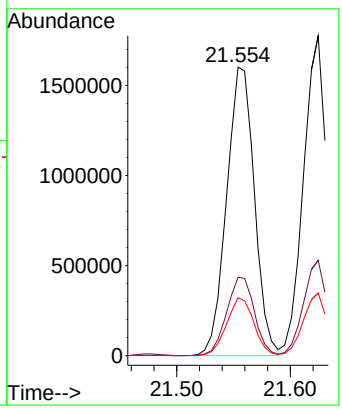
Tgt Ion:228 Resp: 272371

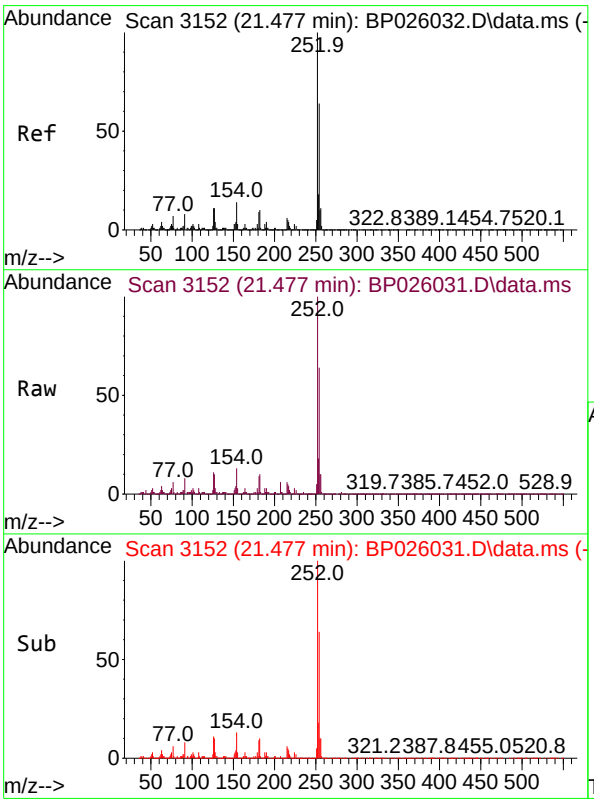
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	20.1	15.8	23.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

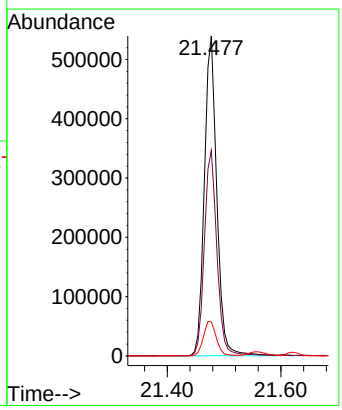


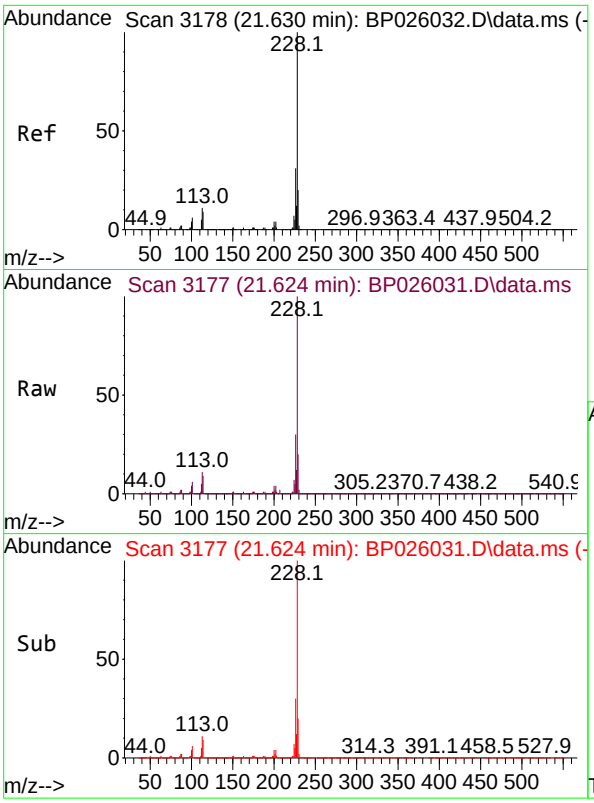


#82
3,3'-Dichlorobenzidine
Concen: 19.160 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:252 Resp: 821245

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.3	76.9
126	10.6	9.1	13.7





#83
Chrysene
Concen: 20.715 ng
RT: 21.624 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

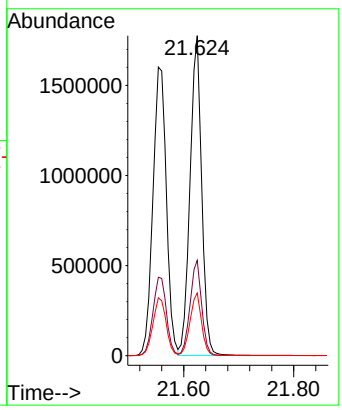
Tgt Ion:228 Resp: 261044

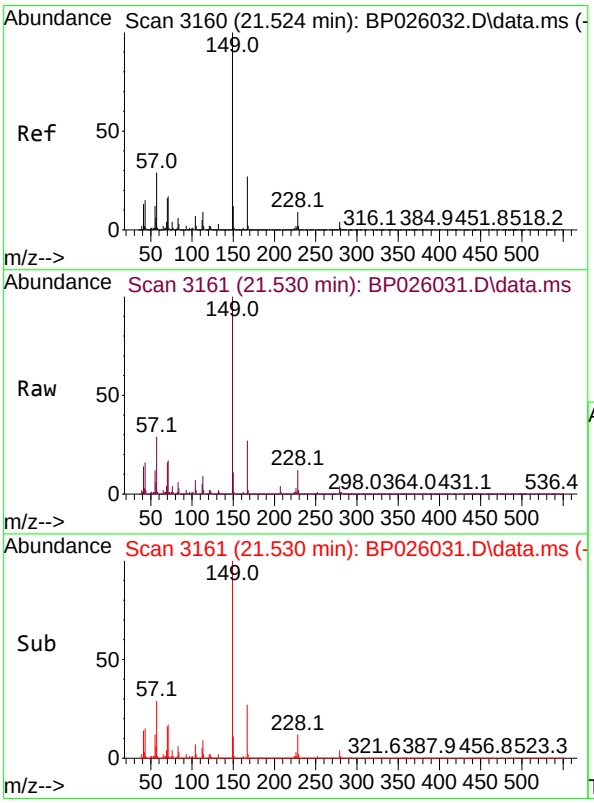
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	19.6	16.0	24.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

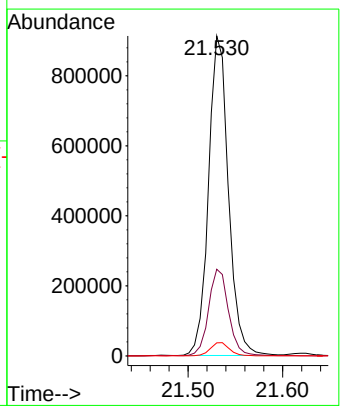


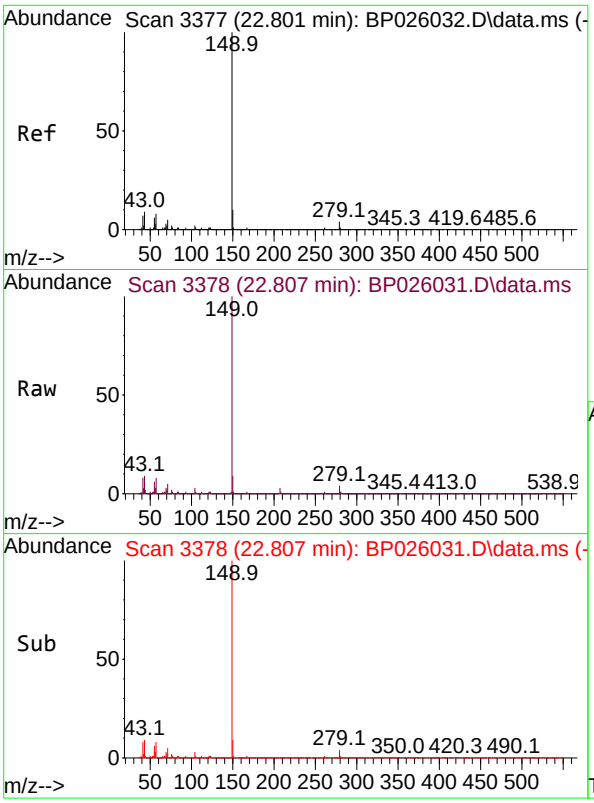


#84
Bis(2-ethylhexyl)phthalate
Concen: 18.694 ng
RT: 21.530 min Scan# 3161
Delta R.T. 0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:149 Resp: 1336224

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.5	32.3
279	4.1	3.0	4.6





#85
Di-n-octyl phthalate
Concen: 17.224 ng
RT: 22.807 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

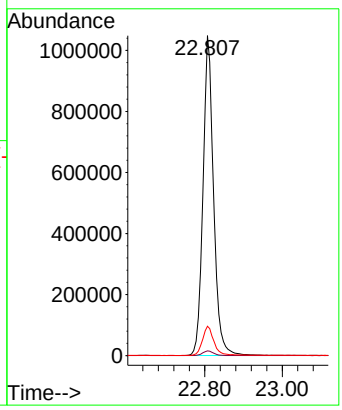
Tgt Ion:149 Resp: 198487

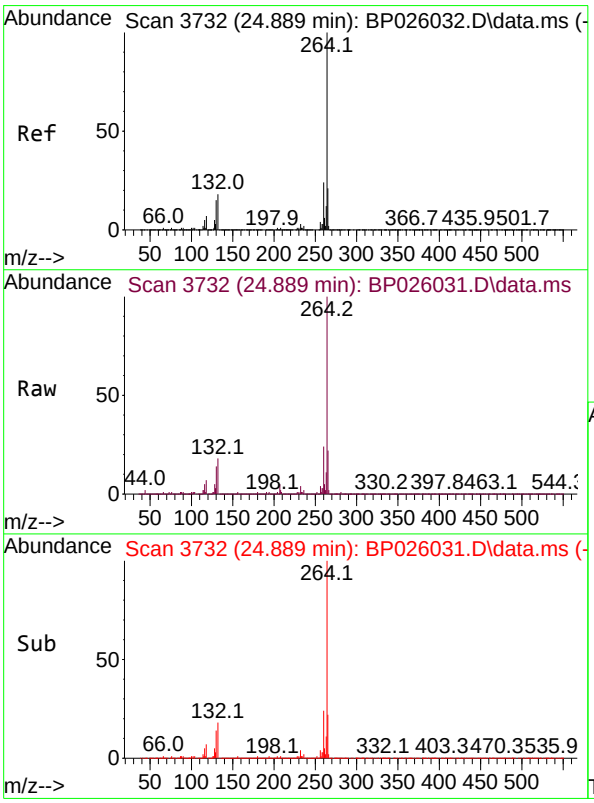
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.1	7.6	11.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

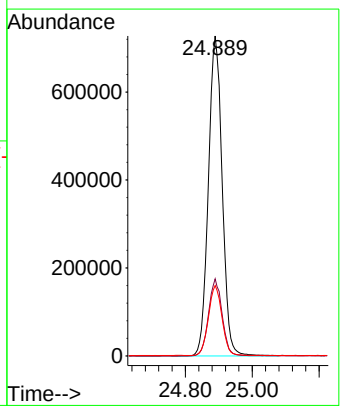


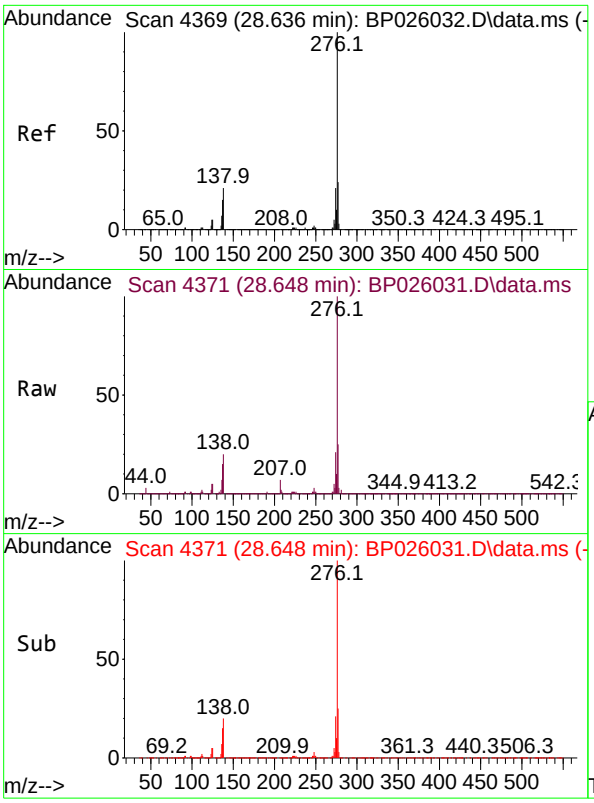


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:264 Resp: 2082873

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	22.0	17.2	25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.856 ng m
RT: 28.648 min Scan# 4
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

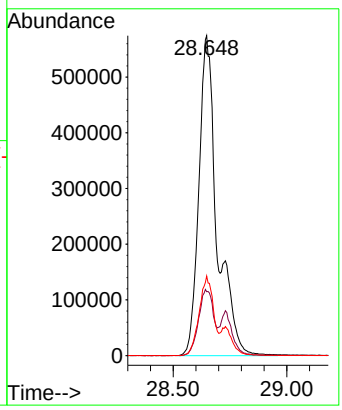
Tgt Ion:276 Resp: 3205879

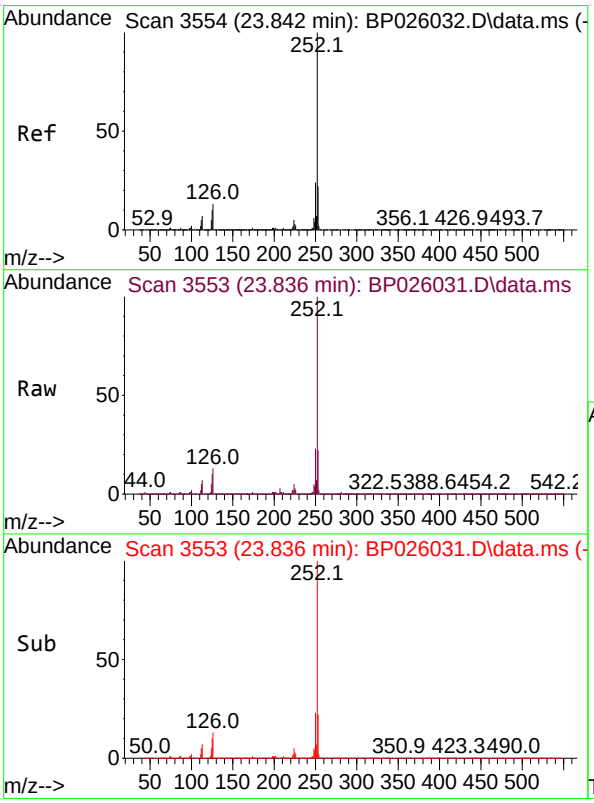
Ion	Ratio	Lower	Upper
276	100		
138	17.0	13.2	19.8
277	19.4	16.3	24.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

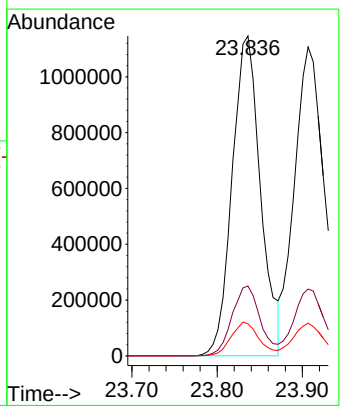


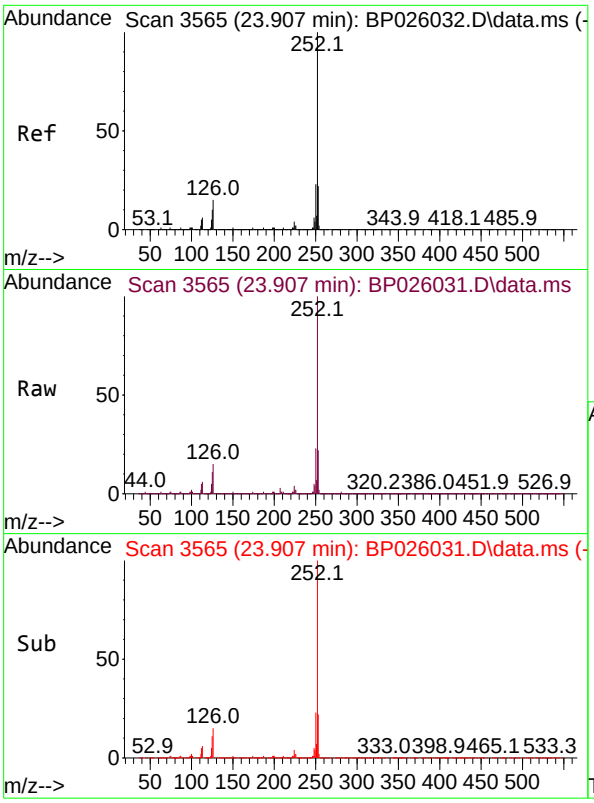


#88
Benzo(b)fluoranthene
Concen: 20.584 ng
RT: 23.836 min Scan# 3553
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:252 Resp: 2661543

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.0	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 20.602 ng
RT: 23.907 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

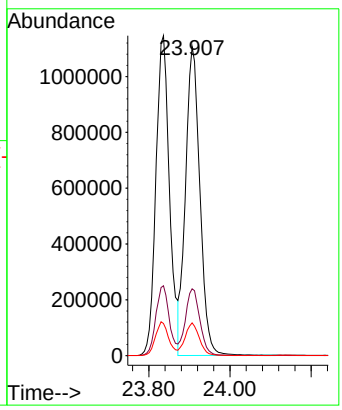
Tgt Ion:252 Resp: 272035

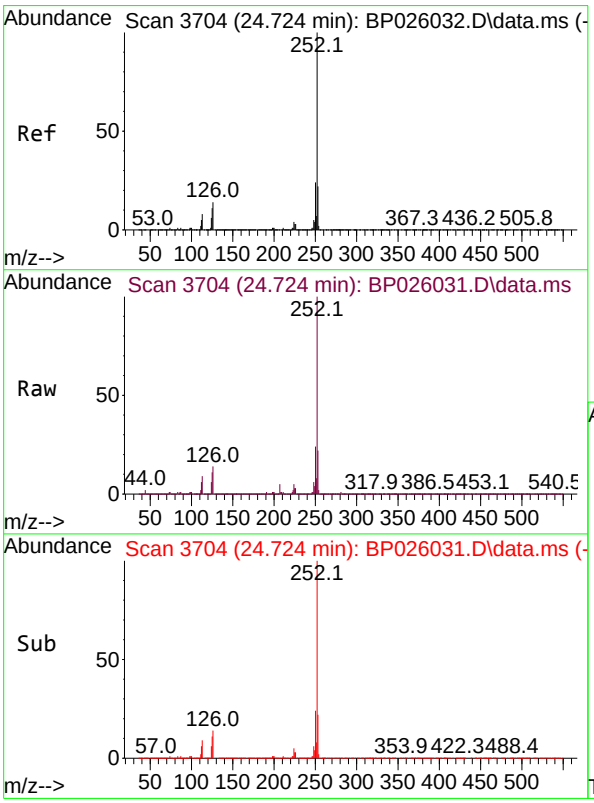
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.6	8.1	12.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

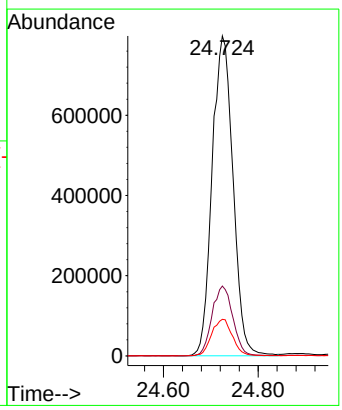


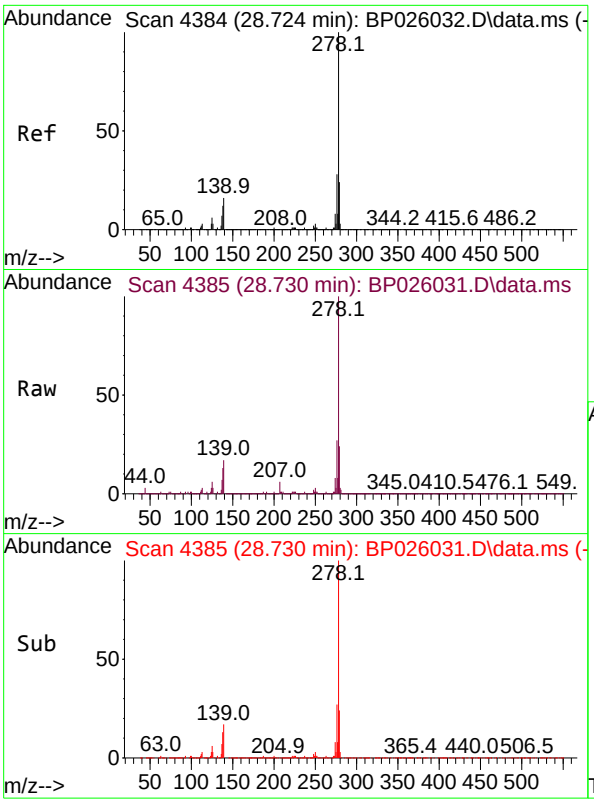


#90
Benzo(a)pyrene
Concen: 20.541 ng
RT: 24.724 min Scan# 3704
Delta R.T. -0.017 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:252 Resp: 2440075

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.4	9.1	13.7





#91
Dibenzo(a,h)anthracene
Concen: 20.785 ng
RT: 28.730 min Scan# 4
Delta R.T. -0.017 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

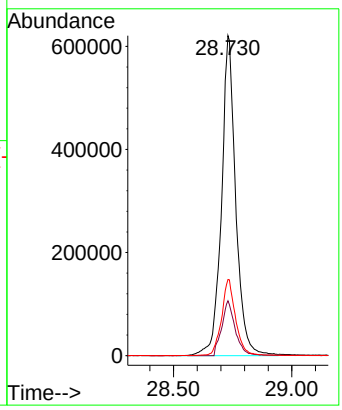
Tgt Ion:278 Resp: 260104

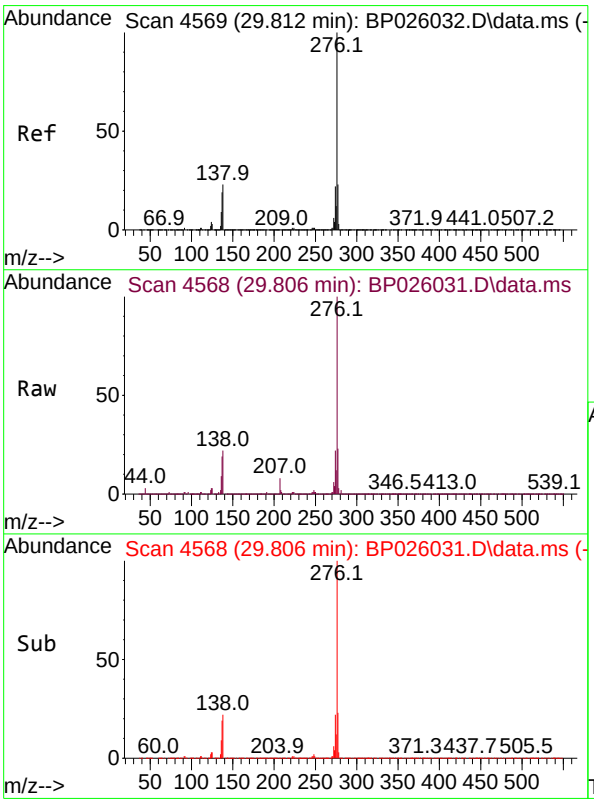
Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.0	19.6
279	23.8	18.9	28.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

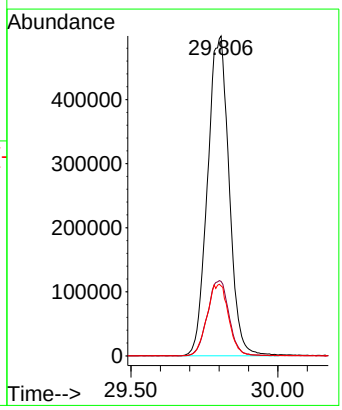




#92
Benzo(g,h,i)perylene
Concen: 21.078 ng
RT: 29.806 min Scan# 4568
Delta R.T. -0.023 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:276 Resp: 2538211

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.5	27.7
138	21.9	18.1	27.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026032.D
Acq On : 29 Oct 2025 12:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Oct 29 18:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	293060	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1204929	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	764236	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1555861	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1646604	20.000	ng	0.01
86) Perylene-d12	24.889	264	1760712	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1464250	82.445	ng	0.00
7) Phenol-d6	6.855	99	1882712	83.286	ng	0.00
23) Nitrobenzene-d5	8.825	82	1630132	84.339	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	722838	87.488	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	4342634	81.651	ng	-0.01
79) Terphenyl-d14	19.866	244	6676375	82.377	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.243	88	302066	40.344	ng	100
3) Pyridine	3.625	79	867862	40.775	ng	100
4) n-Nitrosodimethylamine	3.537	42	342452	40.144	ng	100
6) Aniline	7.019	93	1237729	41.026	ng	100
8) 2-Chlorophenol	7.255	128	822579	41.826	ng	100
9) Benzaldehyde	6.831	77	474239	40.357	ng	100
10) Phenol	6.884	94	1039468	41.420	ng	100
11) bis(2-Chloroethyl)ether	7.119	93	804729	40.632	ng	100
12) 1,3-Dichlorobenzene	7.578	146	921791	40.813	ng	100
13) 1,4-Dichlorobenzene	7.719	146	925177	40.514	ng	100
14) 1,2-Dichlorobenzene	8.031	146	888039	40.753	ng	100
15) Benzyl Alcohol	7.913	79	668211	41.003	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1230074	41.095	ng	100
17) 2-Methylphenol	8.113	107	688795	41.915	ng	100
18) Hexachloroethane	8.760	117	323386	41.385	ng	100
19) n-Nitroso-di-n-propyla...	8.478	70	601712	42.881	ng	100
20) 3+4-Methylphenols	8.437	107	945490	41.358	ng	100
22) Acetophenone	8.490	105	1247543	40.939	ng	100
24) Nitrobenzene	8.866	77	859810	42.132	ng	100
25) Isophorone	9.390	82	1734781	41.932	ng	100
26) 2-Nitrophenol	9.566	139	308209	41.419	ng	100
27) 2,4-Dimethylphenol	9.631	122	728530	41.876	ng	100
28) bis(2-Chloroethoxy)met...	9.866	93	1076336	41.282	ng	100
29) 2,4-Dichlorophenol	10.101	162	788938	42.949	ng	100
30) 1,2,4-Trichlorobenzene	10.319	180	817950	40.968	ng	100
31) Naphthalene	10.501	128	2686976	40.893	ng	100
32) Benzoic acid	9.743	122	404584	40.754	ng	100
33) 4-Chloroaniline	10.601	127	1052918	41.701	ng	100
34) Hexachlorobutadiene	10.801	225	520749	41.043	ng	100
35) Caprolactam	11.360	113	271877	42.147	ng	100
36) 4-Chloro-3-methylphenol	11.731	107	831835	43.198	ng	100
37) 2-Methylnaphthalene	12.119	142	1916037	41.663	ng	100
38) 1-Methylnaphthalene	12.337	142	1850373	41.416	ng	100
40) 1,2,4,5-Tetrachloroben...	12.484	216	966620	40.707	ng	100
41) Hexachlorocyclopentadiene	12.478	237	361557	41.615	ng	100
43) 2,4,6-Trichlorophenol	12.725	196	614032	43.748	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026032.D
Acq On : 29 Oct 2025 12:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Oct 29 18:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.795	196	697254	43.536 ng	100
46) 1,1'-Biphenyl	13.137	154	2384975	40.756 ng	100
47) 2-Chloronaphthalene	13.172	162	1878852	40.808 ng	100
48) 2-Nitroaniline	13.372	65	464490	40.401 ng	100
49) Acenaphthylene	14.031	152	2800152	41.727 ng	100
50) Dimethylphthalate	13.772	163	2326622	41.854 ng	100
51) 2,6-Dinitrotoluene	13.878	165	402854	39.911 ng	100
52) Acenaphthene	14.378	154	1909071	41.440 ng	100
53) 3-Nitroaniline	14.207	138	495409	40.022 ng	100
54) 2,4-Dinitrophenol	14.413	184	153212	40.475 ng	100
55) Dibenzofuran	14.719	168	2856737	41.043 ng	100
56) 4-Nitrophenol	14.519	139	436072	39.340 ng	100
57) 2,4-Dinitrotoluene	14.672	165	600497	40.877 ng	100
58) Fluorene	15.384	166	2216283	40.643 ng	100
59) 2,3,4,6-Tetrachlorophenol	14.948	232	556750	44.213 ng	100
60) Diethylphthalate	15.160	149	2367180	42.357 ng	100
61) 4-Chlorophenyl-phenyle...	15.384	204	1116700	41.008 ng	100
62) 4-Nitroaniline	15.389	138	522724	44.005 ng	100
63) Azobenzene	15.678	77	2107059	41.601 ng	100
65) 4,6-Dinitro-2-methylph...	15.454	198	237899	39.981 ng	100
66) n-Nitrosodiphenylamine	15.601	169	2012448	41.369 ng	100
67) 4-Bromophenyl-phenylether	16.295	248	710184	41.150 ng	100
68) Hexachlorobenzene	16.413	284	801740	40.808 ng	100
69) Atrazine	16.583	200	681323	41.518 ng	100
70) Pentachlorophenol	16.766	266	499791	41.647 ng	100
71) Phenanthrene	17.172	178	3699137	40.848 ng	100
72) Anthracene	17.266	178	3661573	40.790 ng	100
73) Carbazole	17.542	167	3513761	41.351 ng	100
74) Di-n-butylphthalate	18.154	149	4146570	43.610 ng	100
75) Fluoranthene	19.260	202	4389430	41.552 ng	100
77) Benzidine	19.454	184	1702883	40.744 ng	100
78) Pyrene	19.642	202	4699012	42.194 ng	100
80) Butylbenzylphthalate	20.607	149	1633601	39.905 ng	100
81) Benzo(a)anthracene	21.554	228	4675082	41.317 ng	100
82) 3,3'-Dichlorobenzidine	21.477	252	1520065	41.695 ng	100
83) Chrysene	21.630	228	4430345	41.334 ng	100
84) Bis(2-ethylhexyl)phtha...	21.524	149	2729269	41.098 ng	100
85) Di-n-octyl phthalate	22.801	149	4237623	43.233 ng	100
87) Indeno(1,2,3-cd)pyrene	28.636	276	5507457	42.386 ng	100
88) Benzo(b)fluoranthene	23.842	252	4599800	42.083 ng	100
89) Benzo(k)fluoranthene	23.907	252	4686005	41.983 ng	100
90) Benzo(a)pyrene	24.724	252	4261972	42.443 ng	100
91) Dibenzo(a,h)anthracene	28.724	278	4484851	42.397 ng	100
92) Benzo(g,h,i)perylene	29.812	276	4266684	41.915 ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

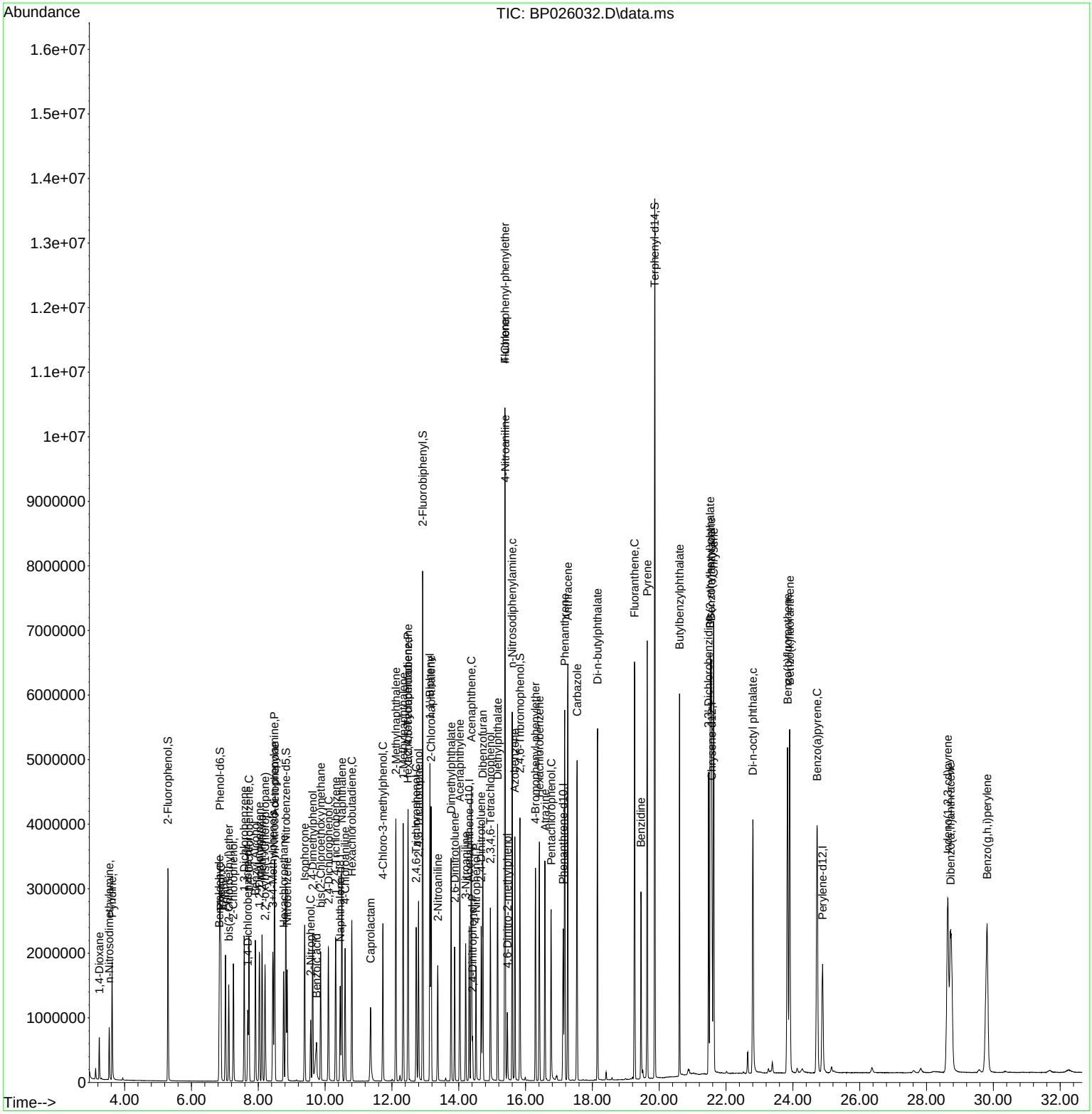
Quantitation Report (QT Reviewed)

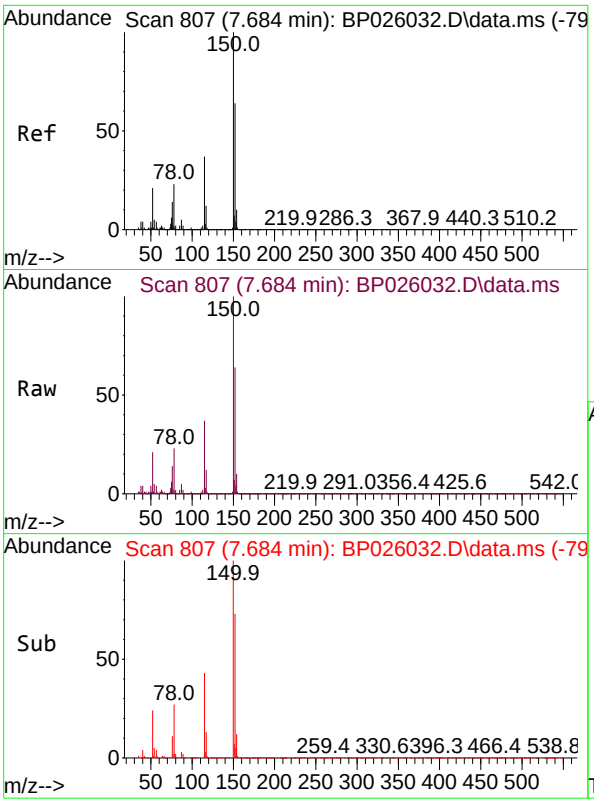
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026032.D
Acq On : 29 Oct 2025 12:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Oct 29 18:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



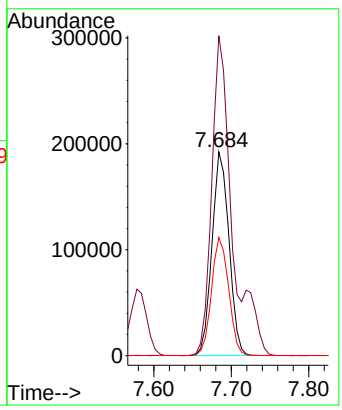


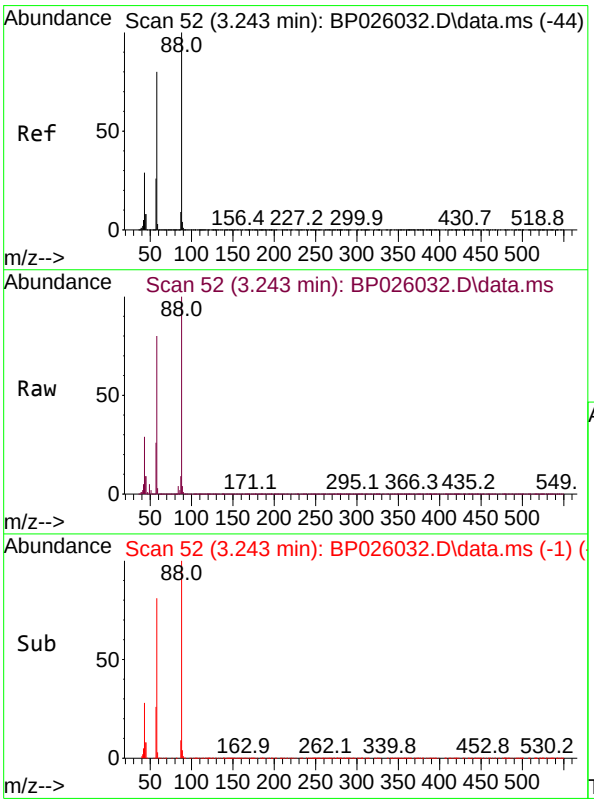
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 293060

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.7	188.5
115	58.0	46.4	69.6

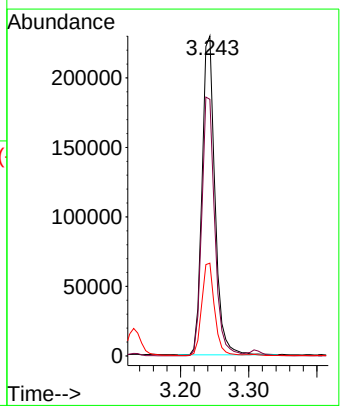


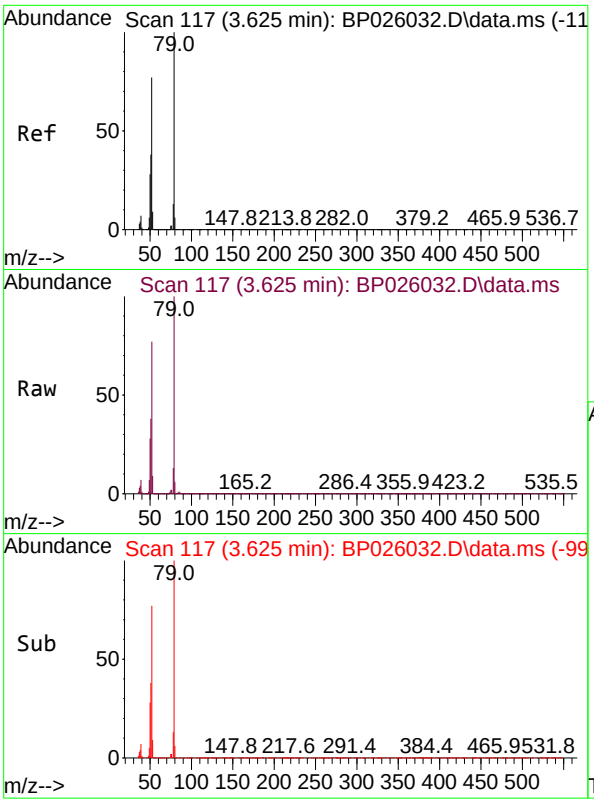


#2
1,4-Dioxane
Concen: 40.344 ng
RT: 3.243 min Scan# 52
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 88 Resp: 302066

Ion	Ratio	Lower	Upper
88	100		
58	81.7	65.4	98.0
43	28.9	23.1	34.7



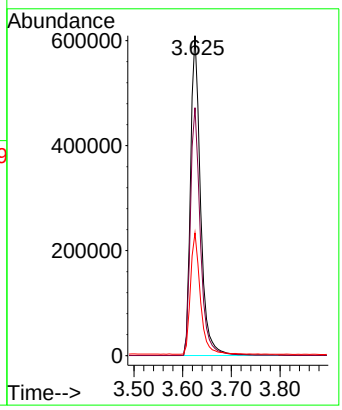


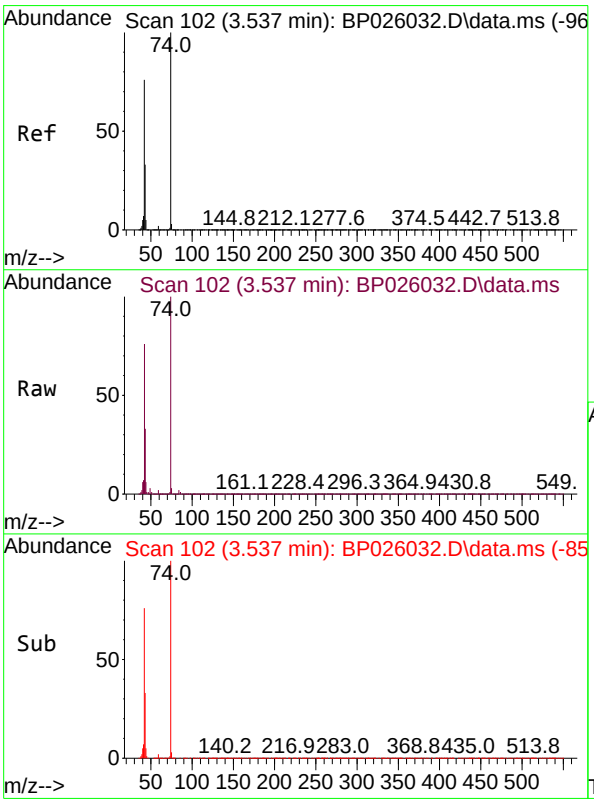
#3
Pyridine
Concen: 40.775 ng
RT: 3.625 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 867862

Ion	Ratio	Lower	Upper
79	100		
52	77.5	62.0	93.0
51	38.3	30.6	46.0

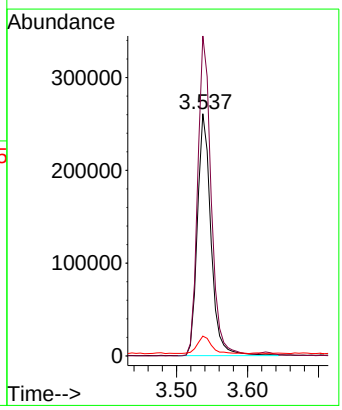


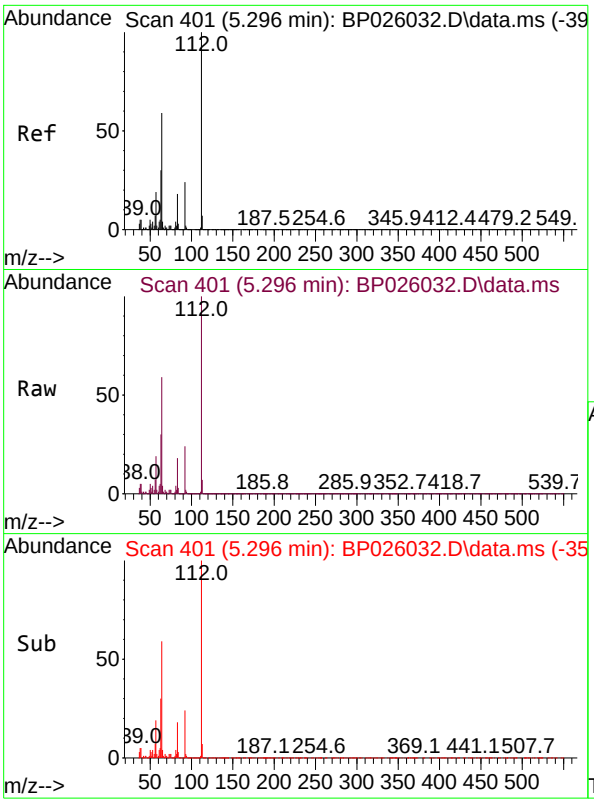


#4
n-Nitrosodimethylamine
Concen: 40.144 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 42 Resp: 342452

Ion	Ratio	Lower	Upper
42	100		
74	132.1	105.7	158.5
44	8.2	6.6	9.8



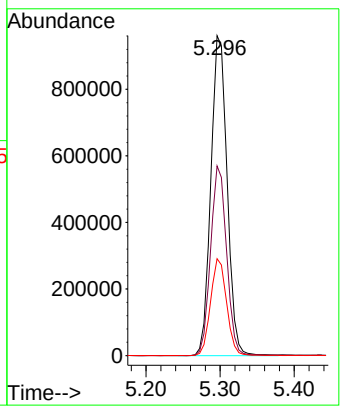


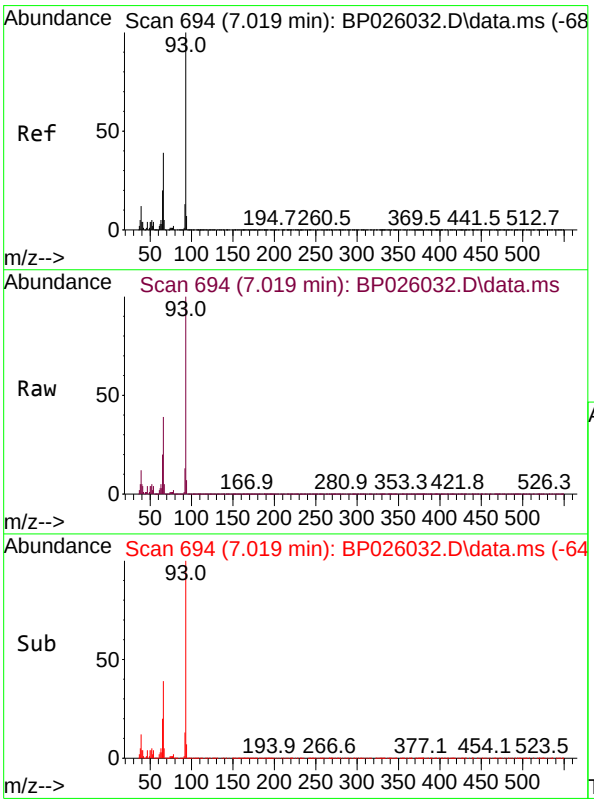
#5
2-Fluorophenol
Concen: 82.445 ng
RT: 5.296 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1464250

Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.4	71.2
63	30.3	24.2	36.4

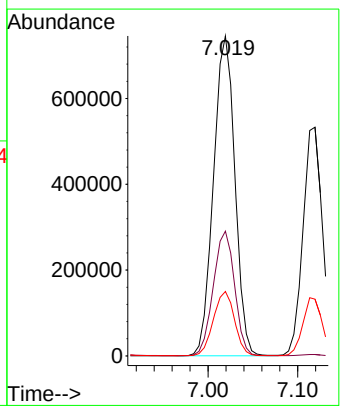


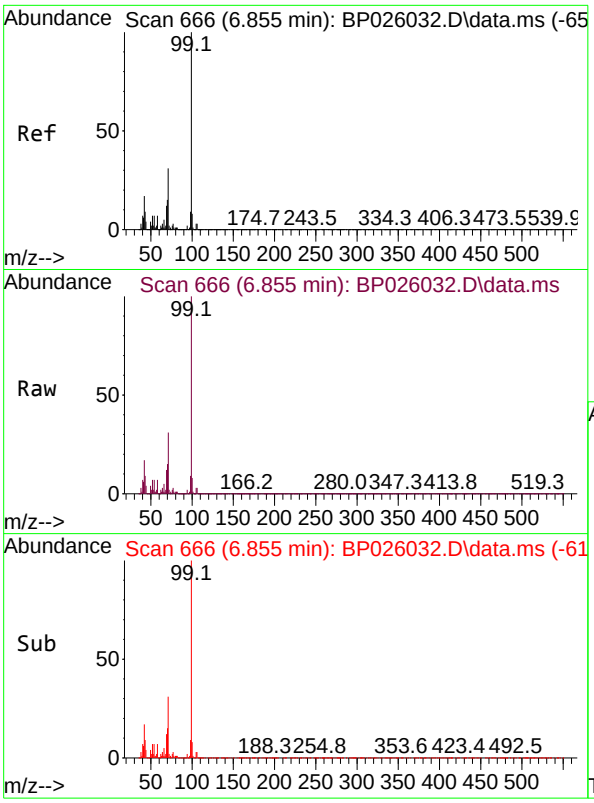


#6
Aniline
Concen: 41.026 ng
RT: 7.019 min Scan# 694
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 93 Resp: 1237729

Ion	Ratio	Lower	Upper
93	100		
66	39.0	31.2	46.8
65	20.1	16.1	24.1



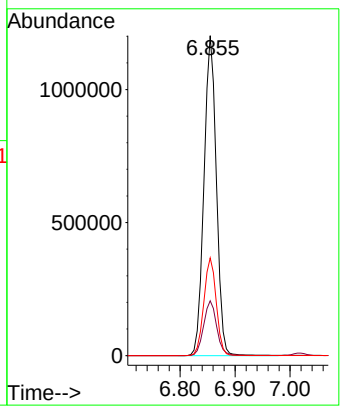


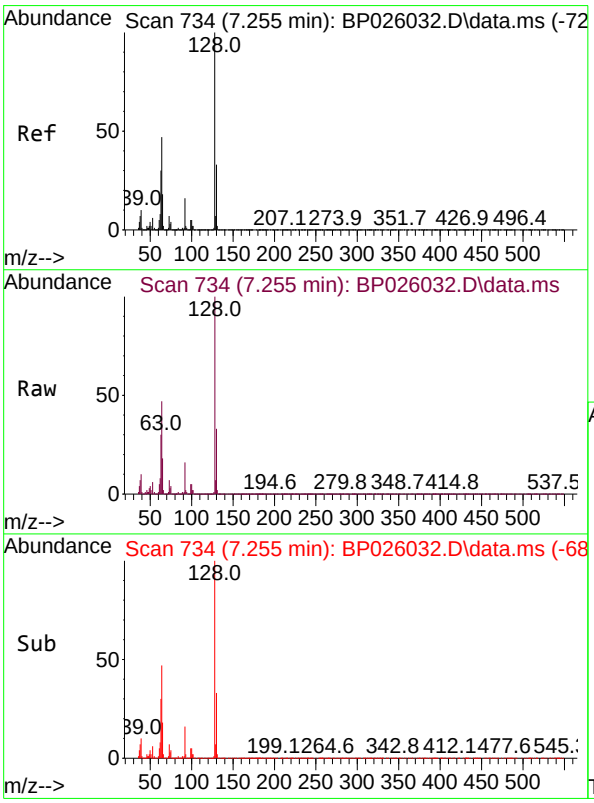
#7
Phenol-d6
Concen: 83.286 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1882712

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	30.5	24.4	36.6

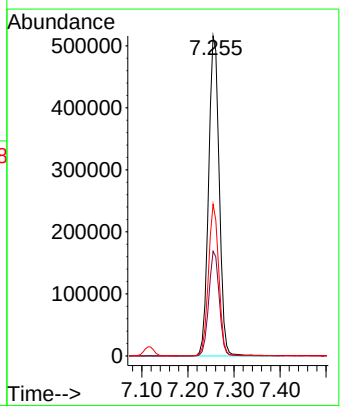


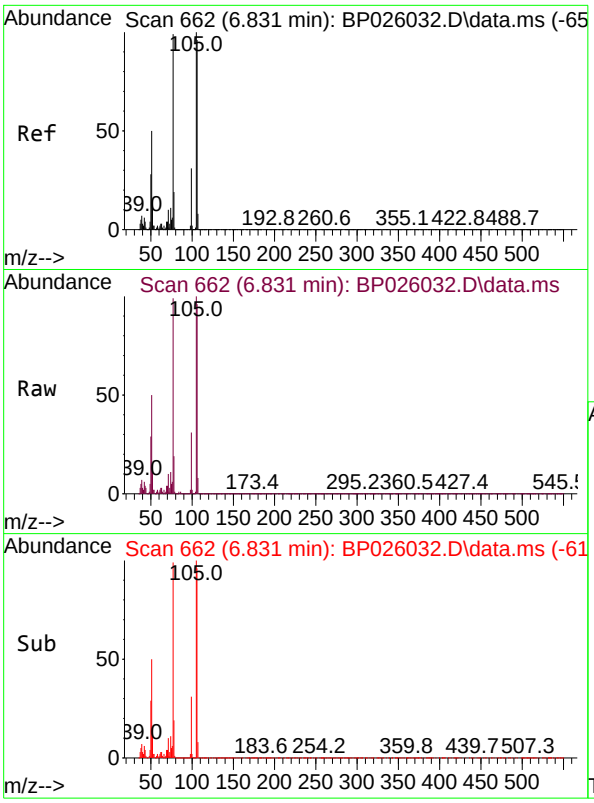


#8
2-Chlorophenol
Concen: 41.826 ng
RT: 7.255 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:128 Resp: 822579

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	47.4	27.4	67.4



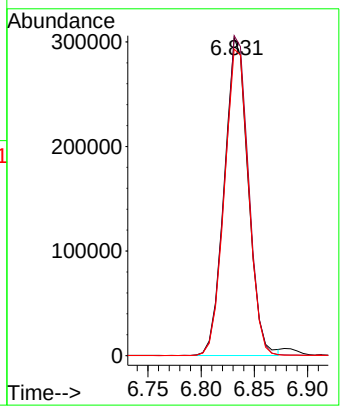


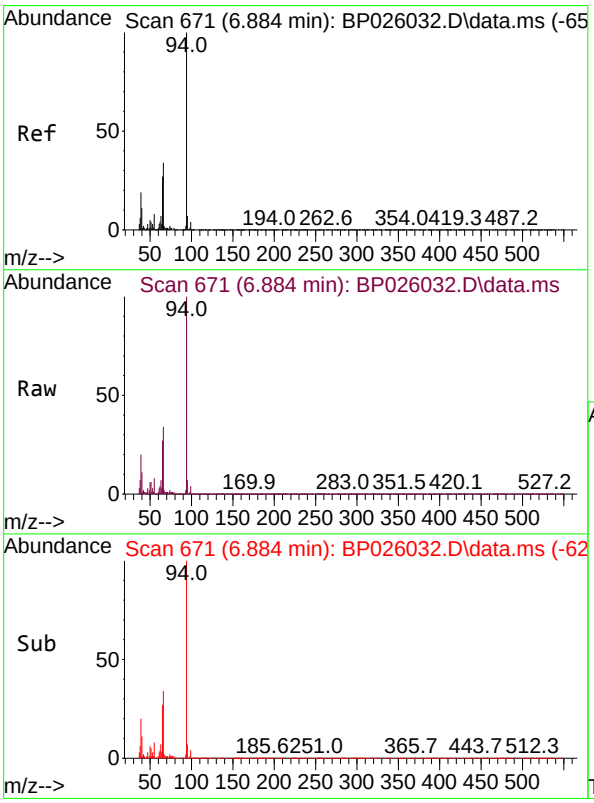
#9
Benzaldehyde
Concen: 40.357 ng
RT: 6.831 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 474239

Ion	Ratio	Lower	Upper
77	100		
105	100.7	80.7	120.7
106	96.5	76.5	116.5

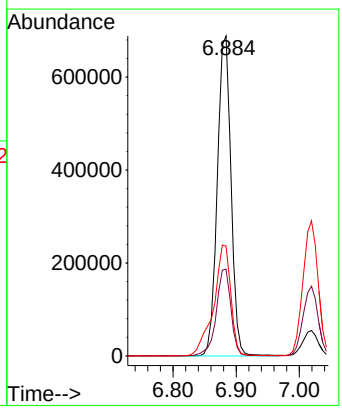


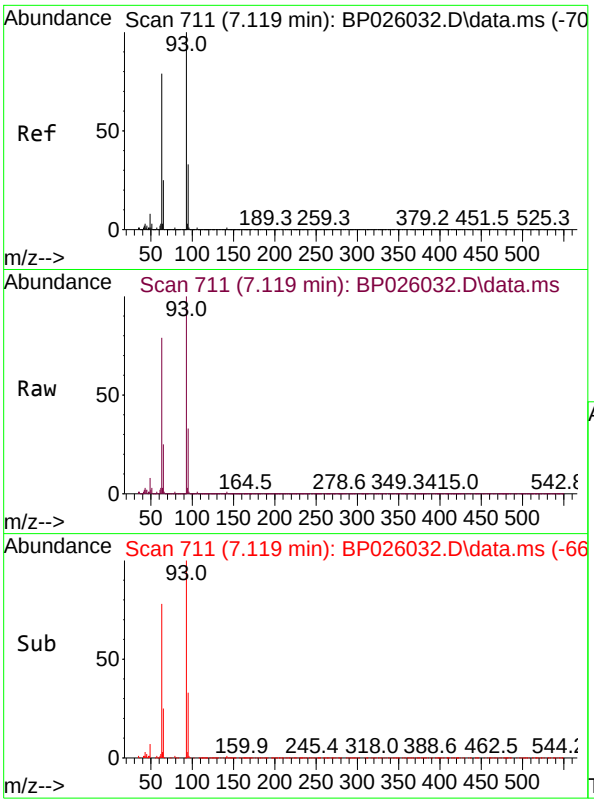


#10
Phenol
Concen: 41.420 ng
RT: 6.884 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 94 Resp: 1039468

Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.1	47.1
66	34.4	14.4	54.4



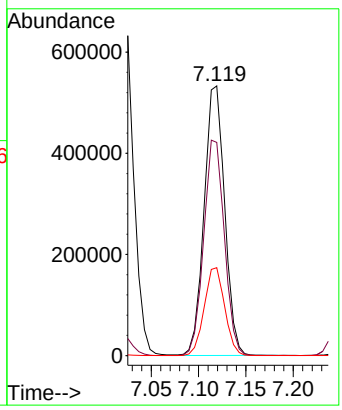


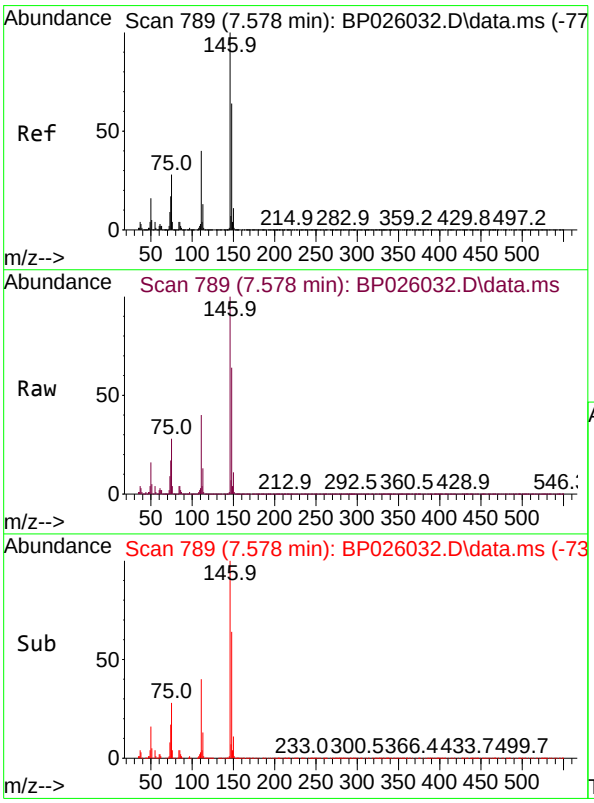
#11
bis(2-Chloroethyl)ether
Concen: 40.632 ng
RT: 7.119 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 804729

Ion	Ratio	Lower	Upper
93	100		
63	79.1	59.1	99.1
95	32.6	12.6	52.6

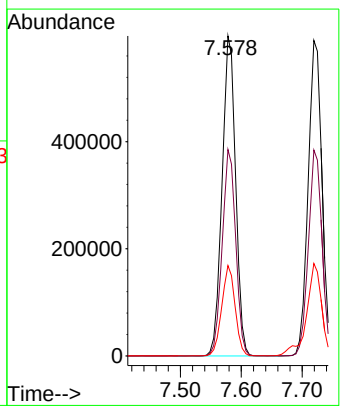


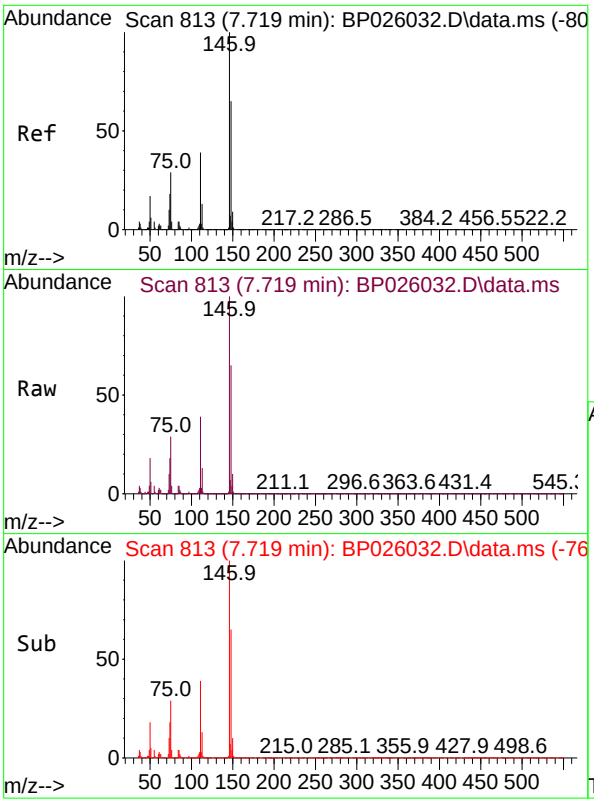


#12
1,3-Dichlorobenzene
Concen: 40.813 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:146 Resp: 921791

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
75	28.2	22.6	33.8



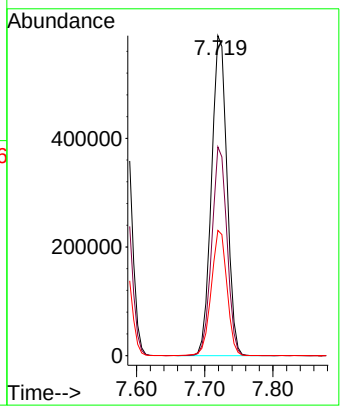


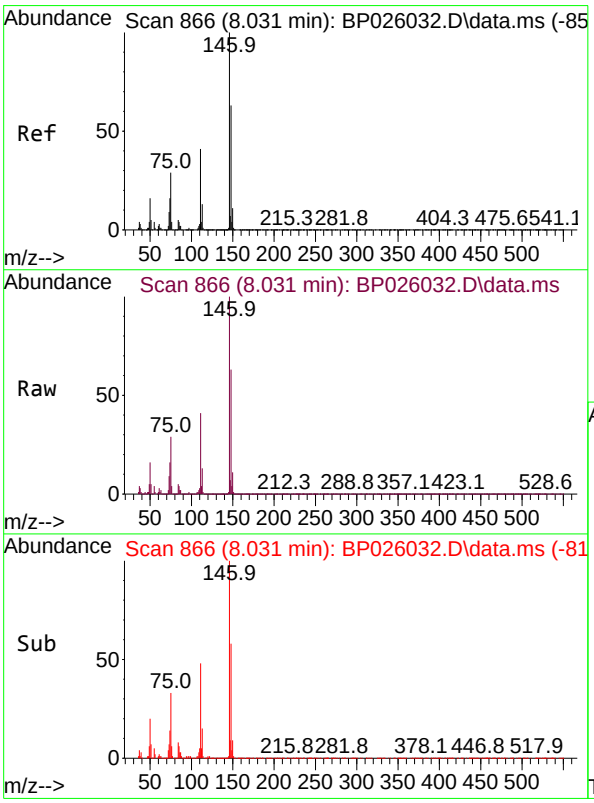
#13
1,4-Dichlorobenzene
Concen: 40.514 ng
RT: 7.719 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 925177

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.2	78.2
111	39.1	31.3	46.9

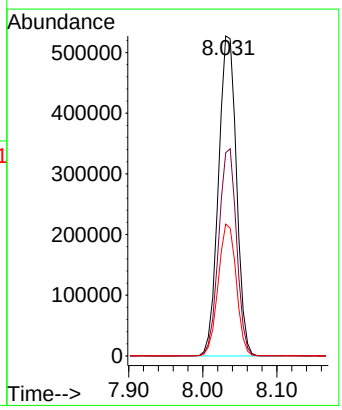


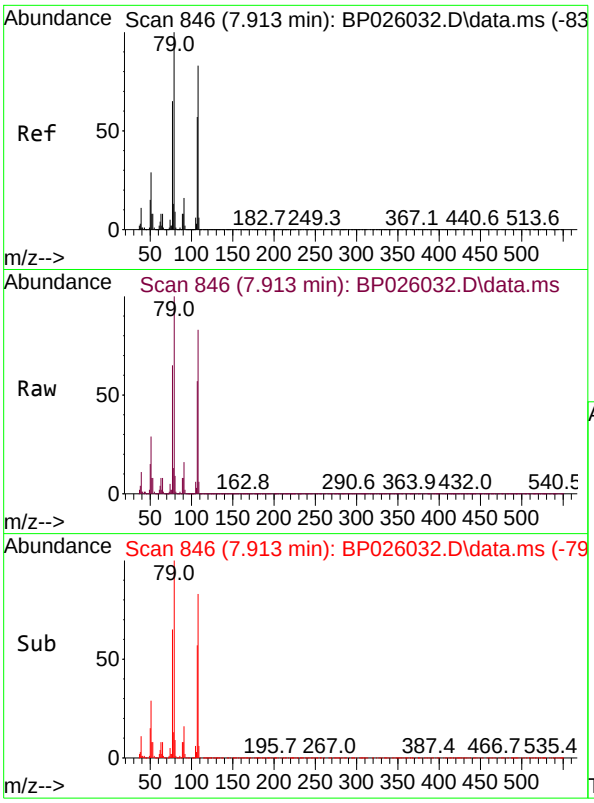


#14
1,2-Dichlorobenzene
Concen: 40.753 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:146 Resp: 888039

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	41.2	33.0	49.4



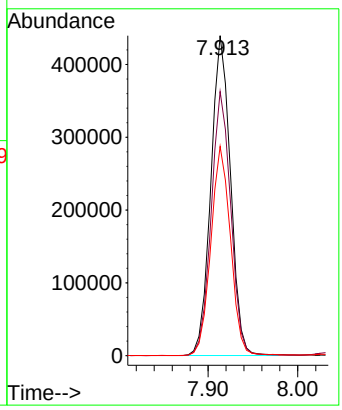


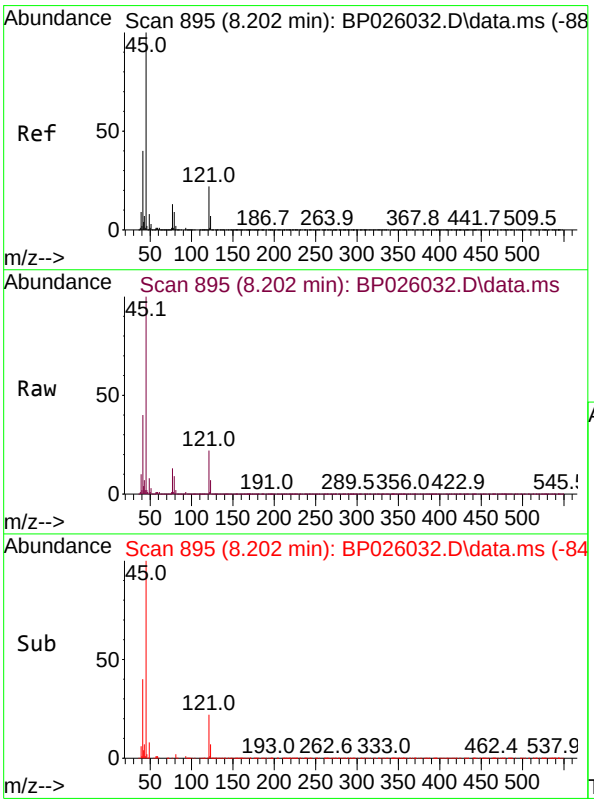
#15
Benzyl Alcohol
Concen: 41.003 ng
RT: 7.913 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 668211

Ion	Ratio	Lower	Upper
79	100		
108	82.5	66.0	99.0
77	65.4	52.3	78.5

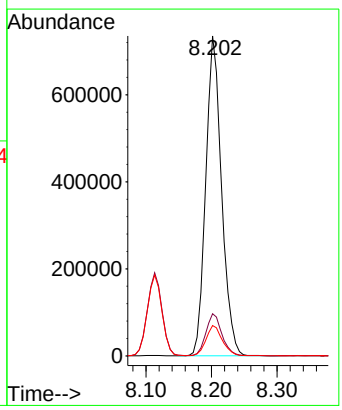


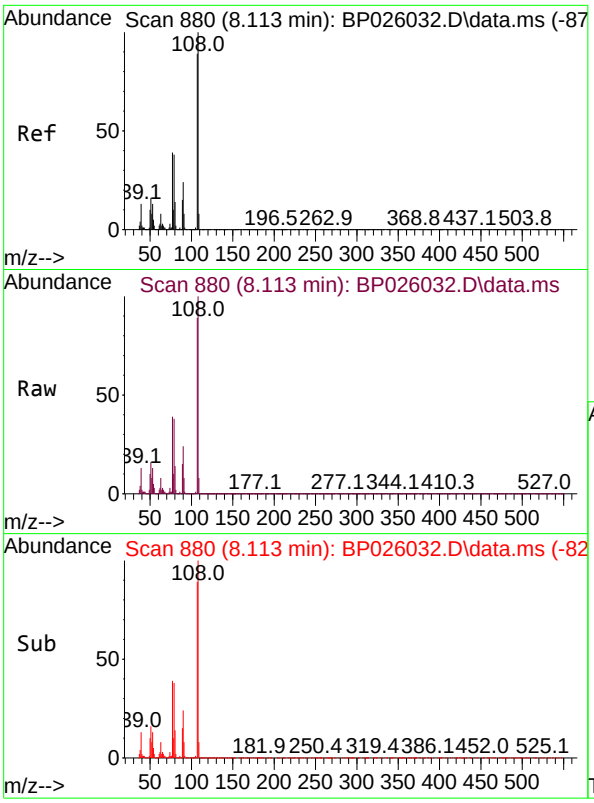


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.095 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 45 Resp: 1230074

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.2
79	9.5	0.0	29.5



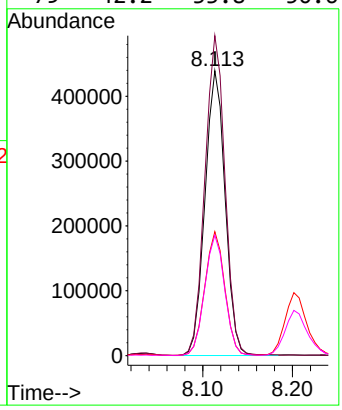


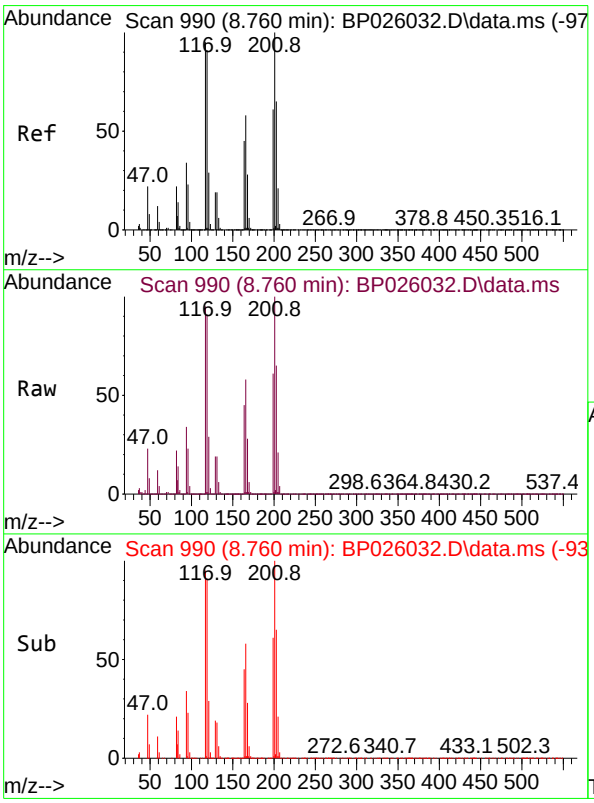
#17
2-Methylphenol
Concen: 41.915 ng
RT: 8.113 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 688795

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.8	134.8
77	43.5	34.8	52.2
79	42.2	33.8	50.6

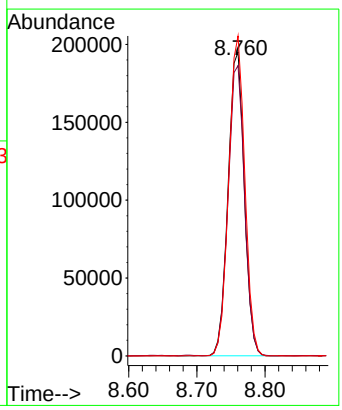


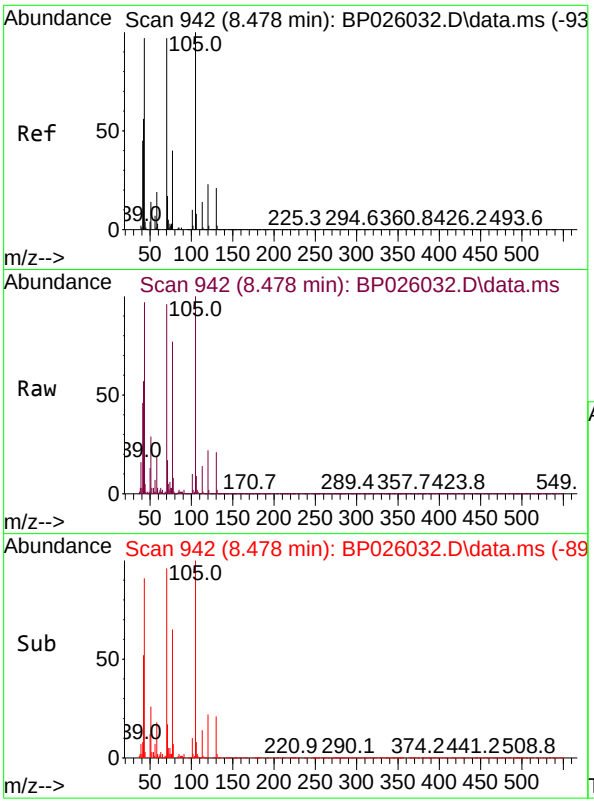


#18
Hexachloroethane
Concen: 41.385 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:117 Resp: 323386

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
201	105.3	84.2	126.4



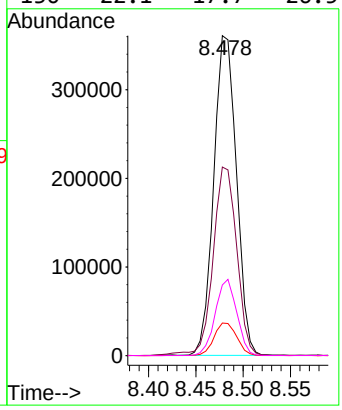


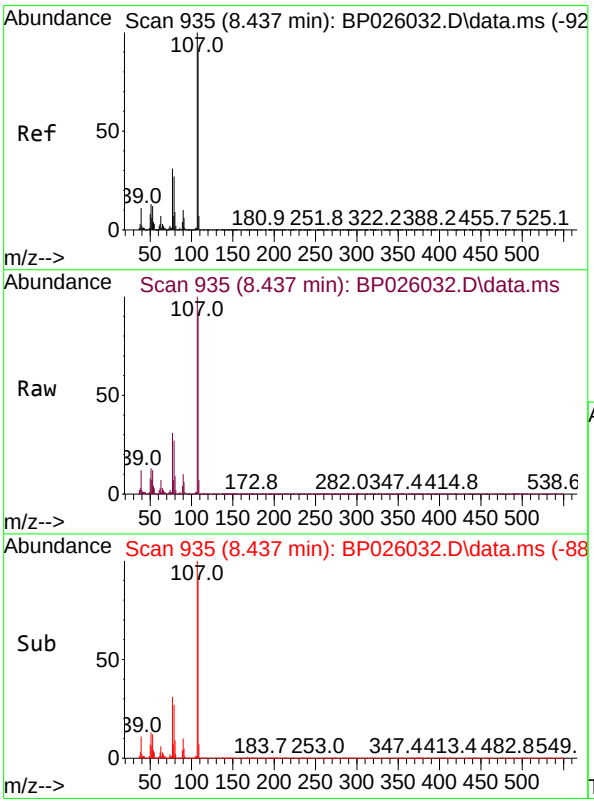
#19
n-Nitroso-di-n-propylamine
Concen: 42.881 ng
RT: 8.478 min Scan# 94
Delta R.T. -0.012 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 601712

Ion	Ratio	Lower	Upper
70	100		
42	59.0	47.2	70.8
101	10.2	8.2	12.2
130	22.1	17.7	26.5

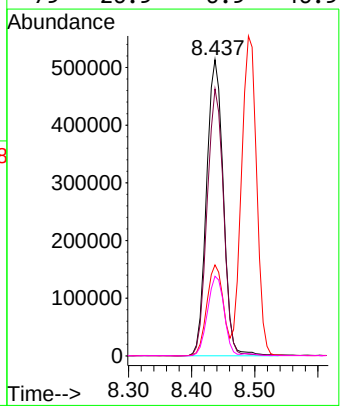


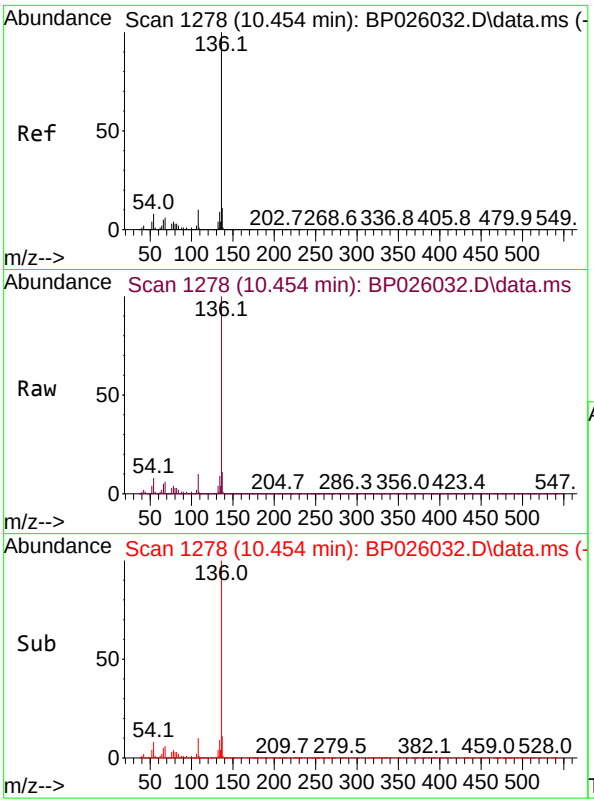


#20
3+4-Methylphenols
Concen: 41.358 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:107 Resp: 945490

Ion	Ratio	Lower	Upper
107	100		
108	90.1	70.1	110.1
77	30.7	10.7	50.7
79	26.9	6.9	46.9



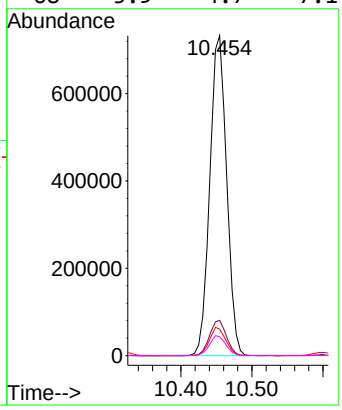


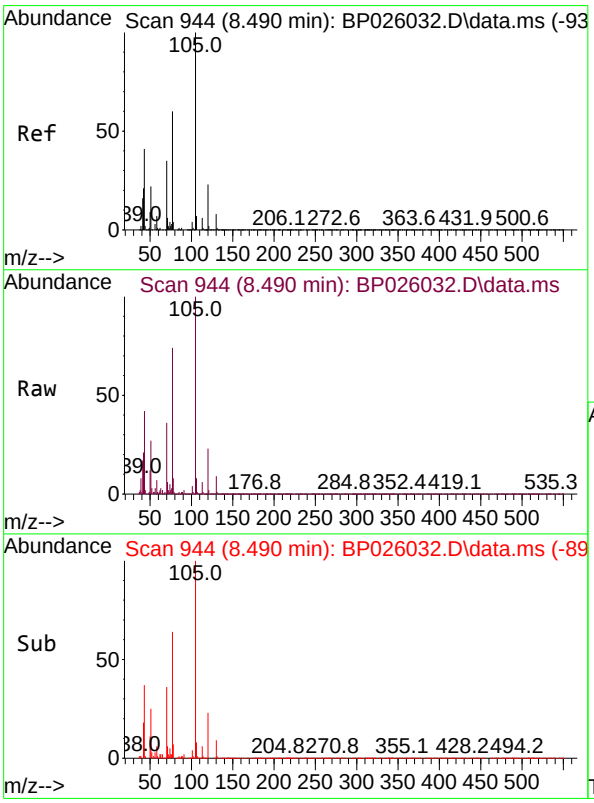
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1204929

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.3	6.6	10.0
68	5.9	4.7	7.1

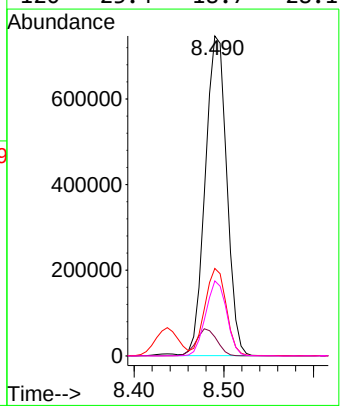


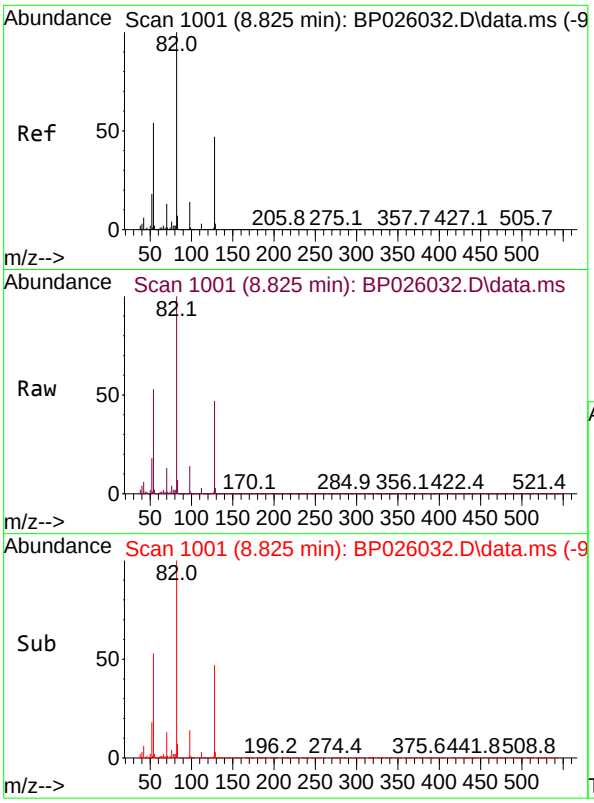


#22
Acetophenone
Concen: 40.939 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:105 Resp: 1247543

Ion	Ratio	Lower	Upper
105	100		
71	5.9	4.7	7.1
51	27.3	21.8	32.8
120	23.4	18.7	28.1



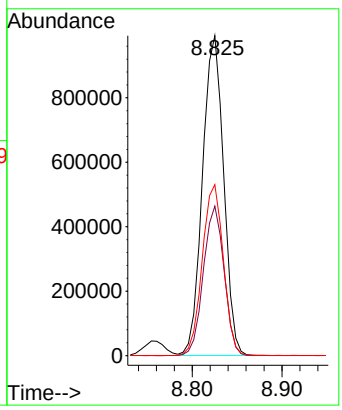


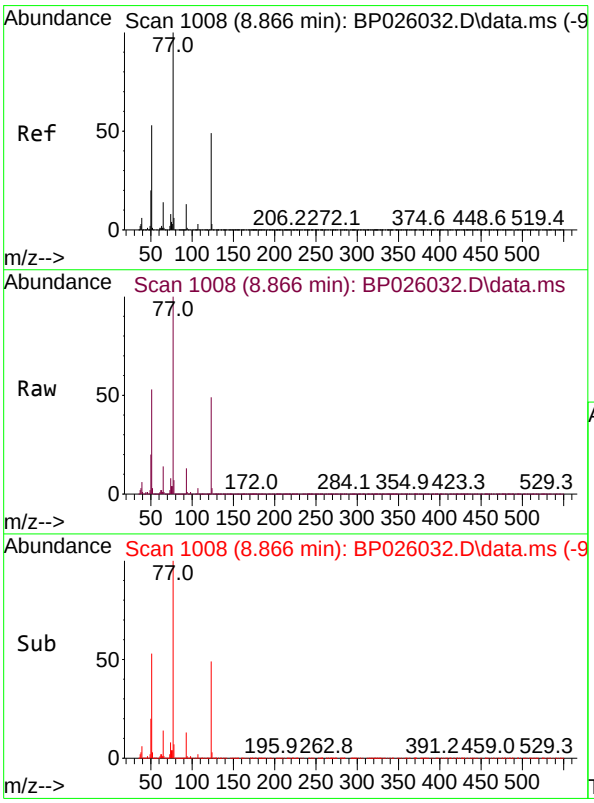
#23
Nitrobenzene-d5
Concen: 84.339 ng
RT: 8.825 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1630132

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.4	56.0
54	53.4	42.7	64.1

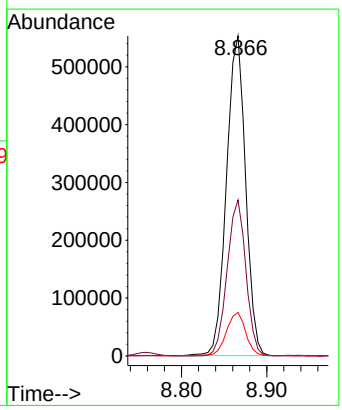


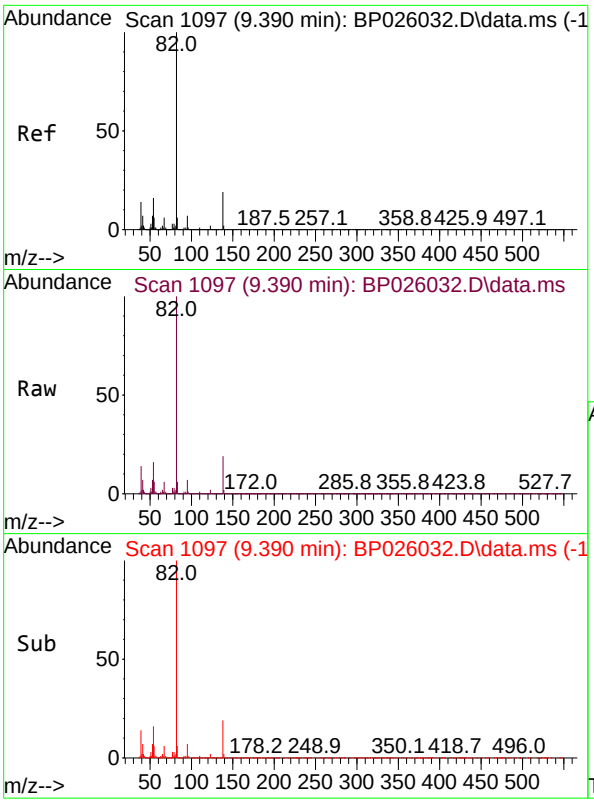


#24
Nitrobenzene
Concen: 42.132 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 77 Resp: 859810

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.0	58.4
65	13.6	10.9	16.3



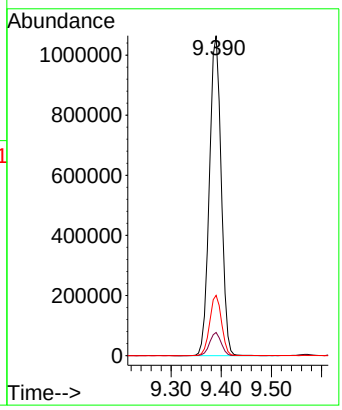


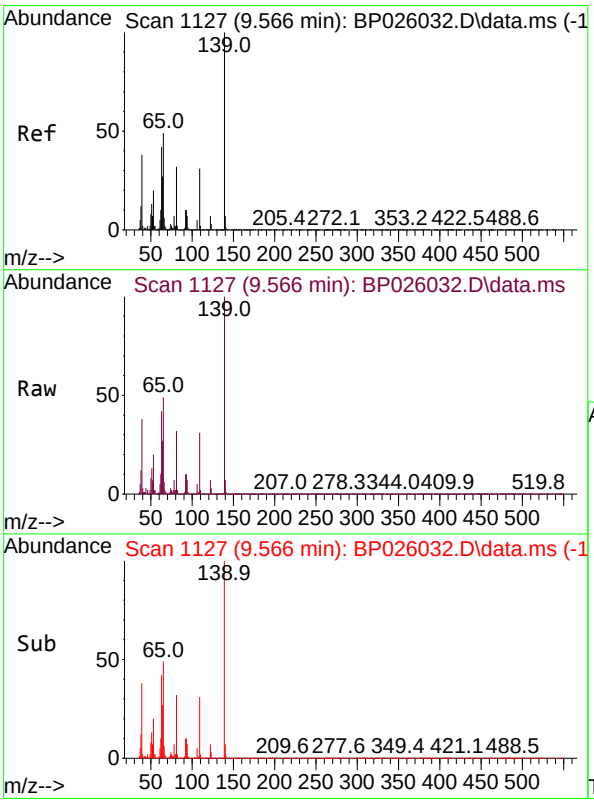
#25
Isophorone
Concen: 41.932 ng
RT: 9.390 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1734781

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	18.8	15.0	22.6

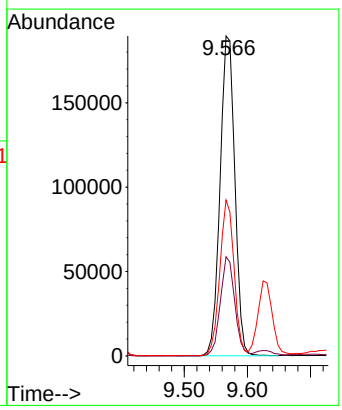


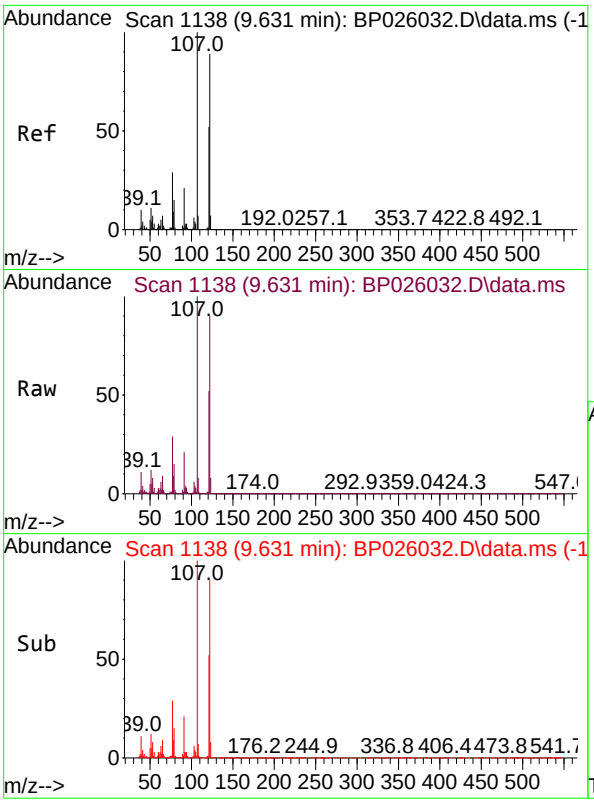


#26
2-Nitrophenol
Concen: 41.419 ng
RT: 9.566 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:139 Resp: 308209

Ion	Ratio	Lower	Upper
139	100		
109	31.0	24.8	37.2
65	48.7	39.0	58.4



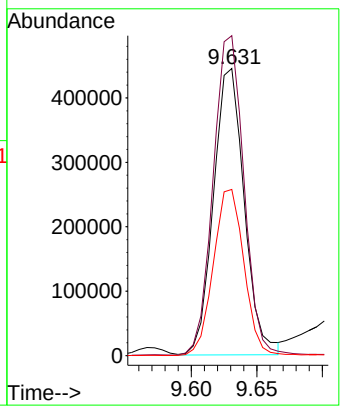


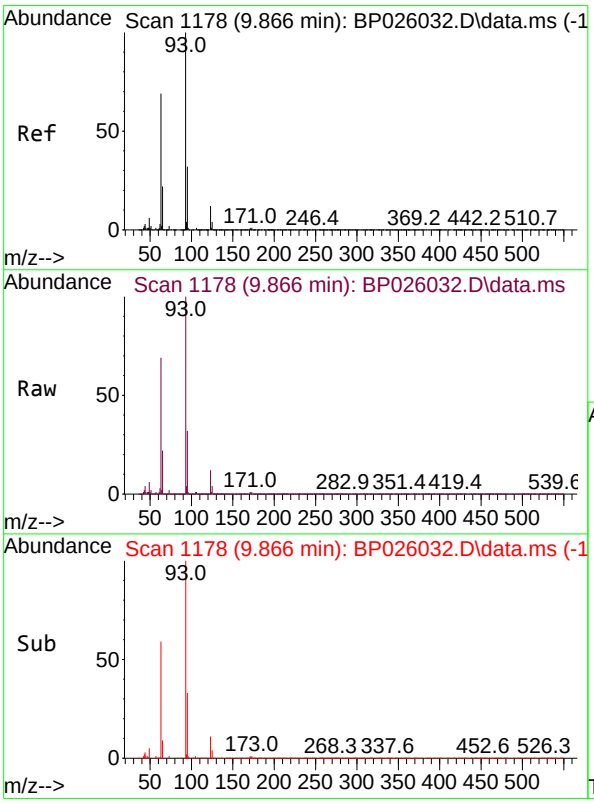
#27
2,4-Dimethylphenol
Concen: 41.876 ng
RT: 9.631 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 728530

Ion	Ratio	Lower	Upper
122	100		
107	111.5	89.2	133.8
121	57.9	46.3	69.5

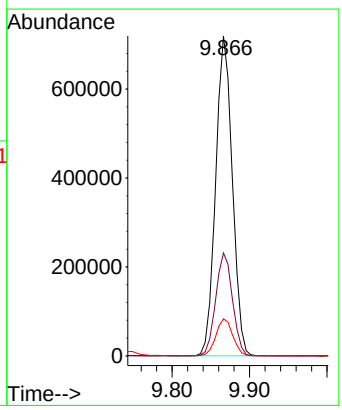


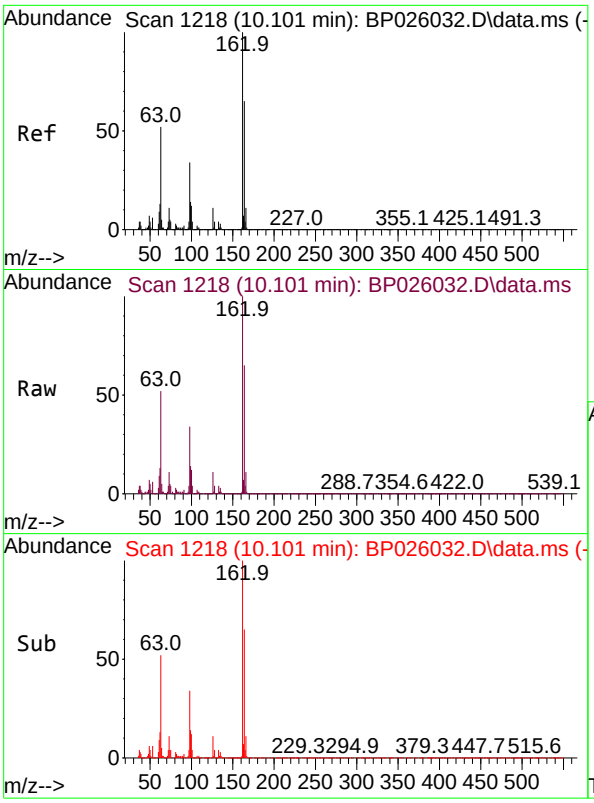


#28
bis(2-Chloroethoxy)methane
Concen: 41.282 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 93 Resp: 1076336

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.6
123	11.6	9.3	13.9



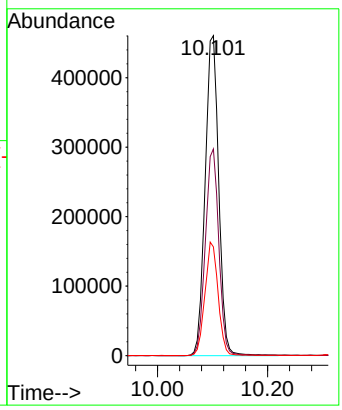


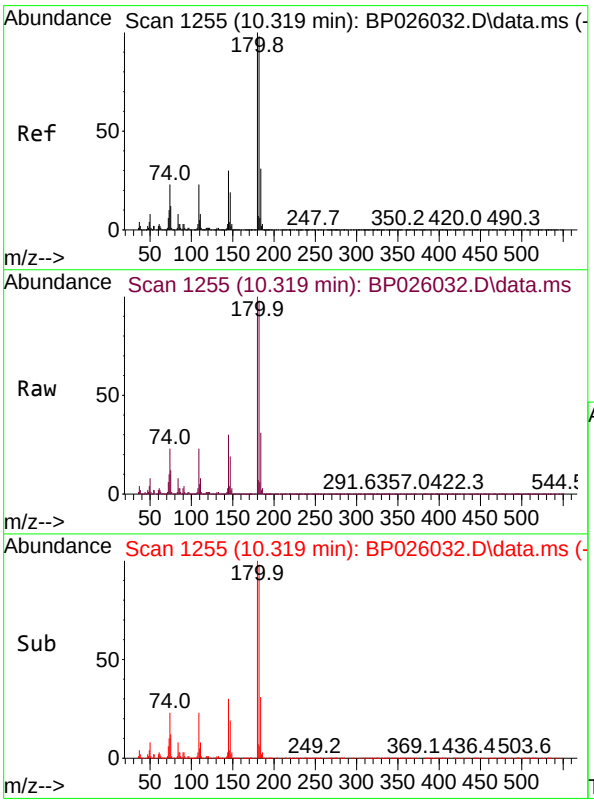
#29
2,4-Dichlorophenol
Concen: 42.949 ng
RT: 10.101 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 788938

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.6	84.6
98	34.0	14.0	54.0

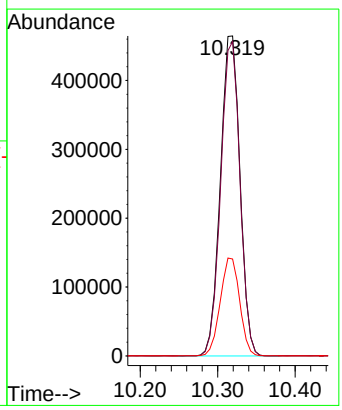


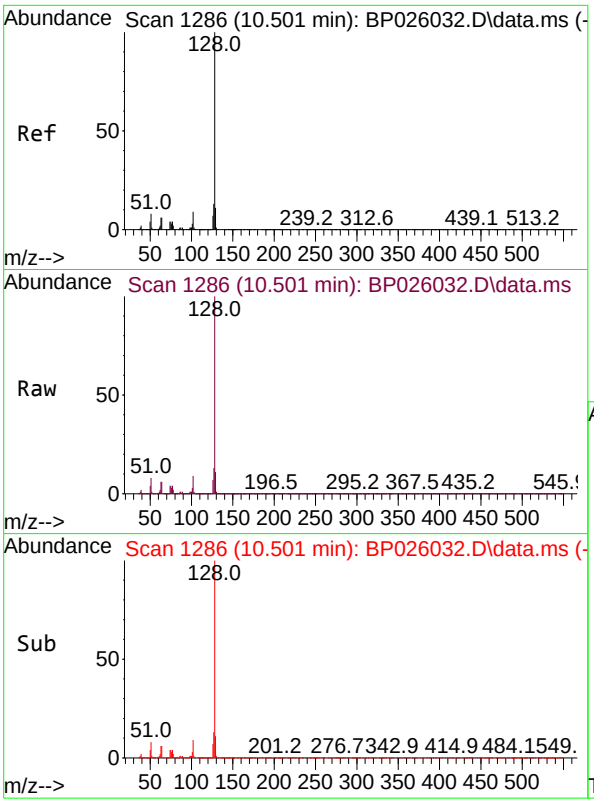


#30
1,2,4-Trichlorobenzene
Concen: 40.968 ng
RT: 10.319 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:180 Resp: 817950

Ion	Ratio	Lower	Upper
180	100		
182	98.2	78.6	117.8
145	30.3	24.2	36.4



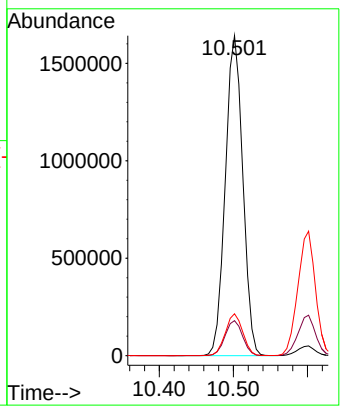


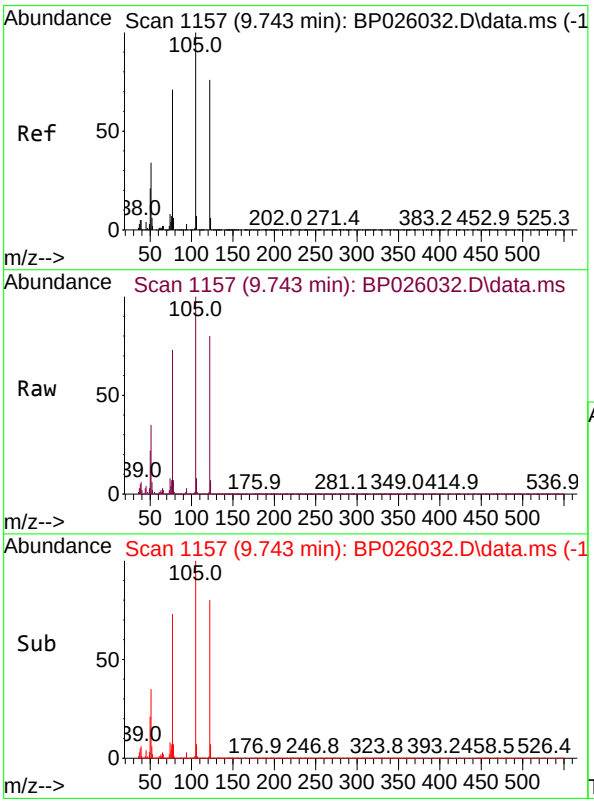
#31
Naphthalene
Concen: 40.893 ng
RT: 10.501 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2686976

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.1	10.5	15.7

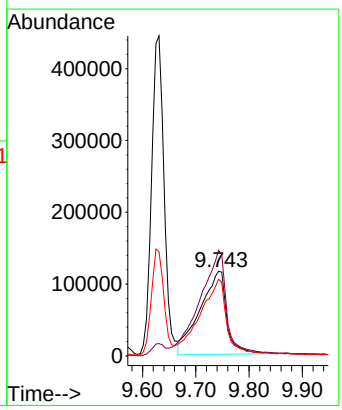


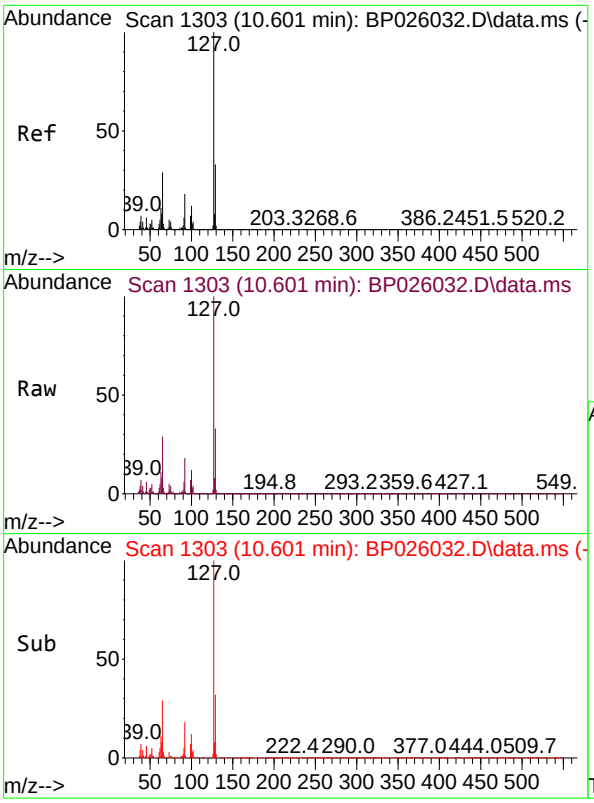


#32
Benzoic acid
Concen: 40.754 ng
RT: 9.743 min Scan# 1157
Delta R.T. -0.035 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:122 Resp: 404584

Ion	Ratio	Lower	Upper
122	100		
105	124.8	104.8	144.8
77	90.9	70.9	110.9



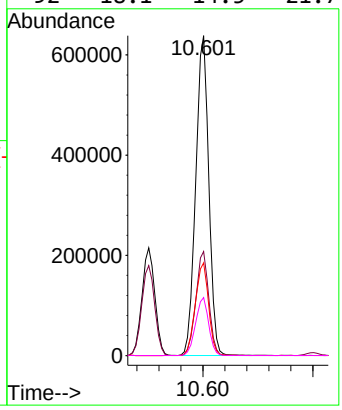


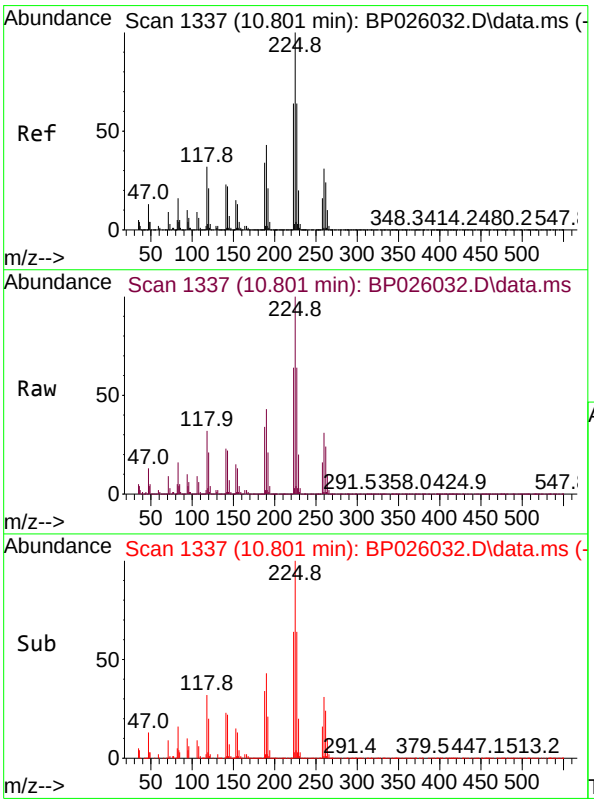
#33
4-Chloroaniline
Concen: 41.701 ng
RT: 10.601 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 1052918

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	29.0	23.2	34.8
92	18.1	14.5	21.7

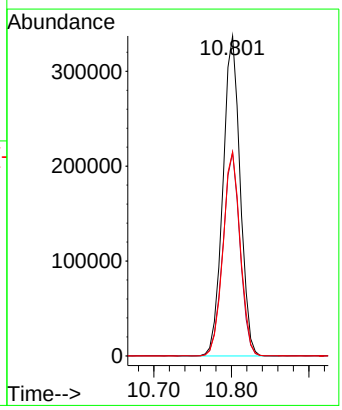


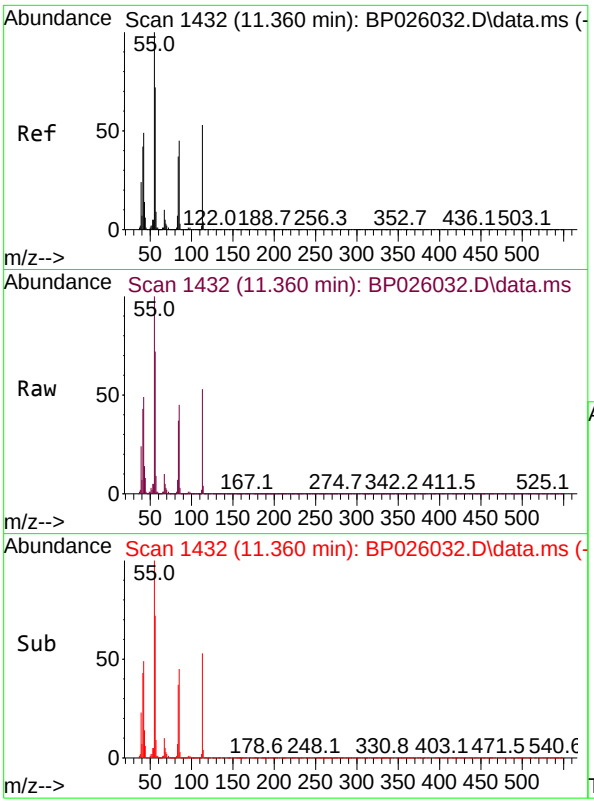


#34
Hexachlorobutadiene
Concen: 41.043 ng
RT: 10.801 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:225 Resp: 520749

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.9	76.3
227	63.7	51.0	76.4



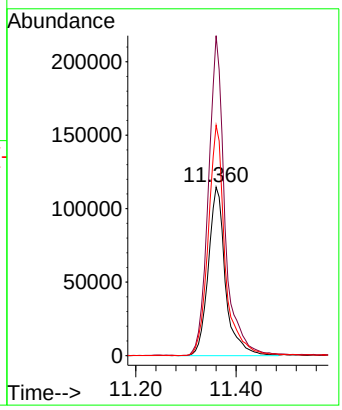


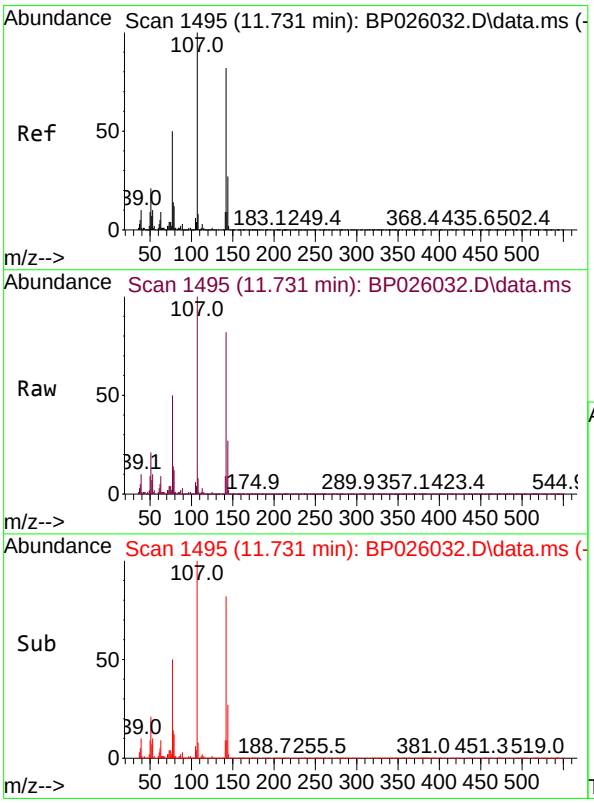
#35
Caprolactam
Concen: 42.147 ng
RT: 11.360 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 271877

Ion	Ratio	Lower	Upper
113	100		
55	189.9	169.9	209.9
56	136.7	116.7	156.7

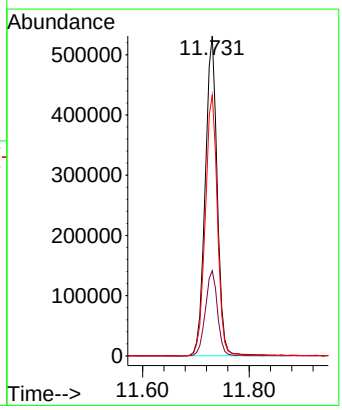


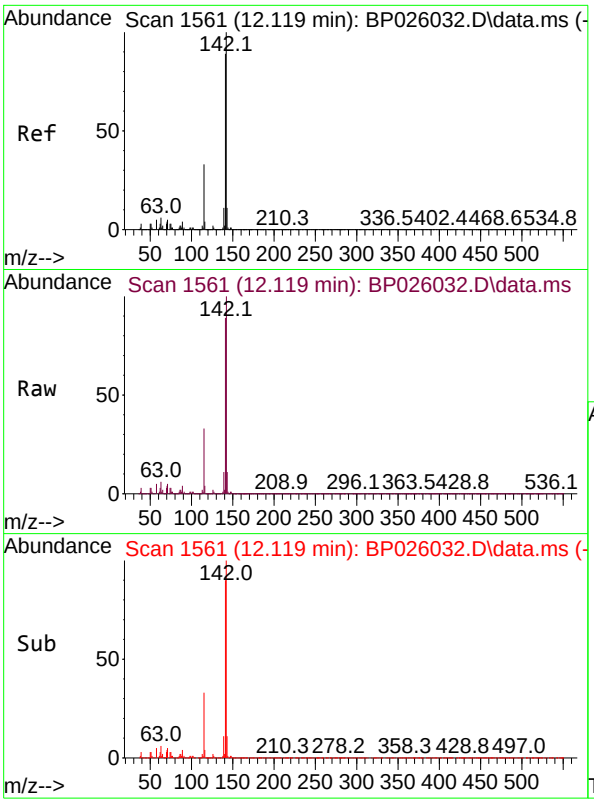


#36
4-Chloro-3-methylphenol
Concen: 43.198 ng
RT: 11.731 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:107 Resp: 831835

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	81.5	65.2	97.8



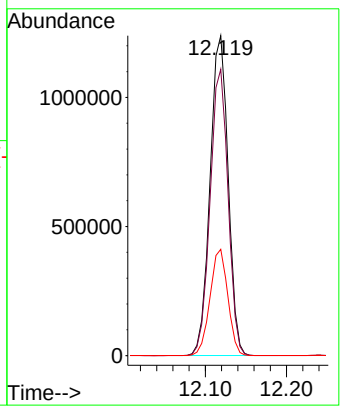


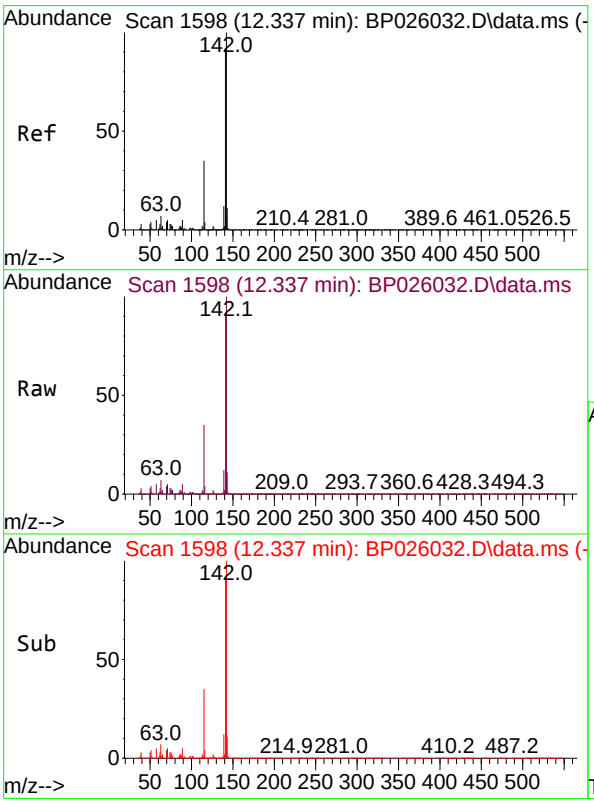
#37
2-Methylnaphthalene
Concen: 41.663 ng
RT: 12.119 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1916037

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	33.2	26.6	39.8

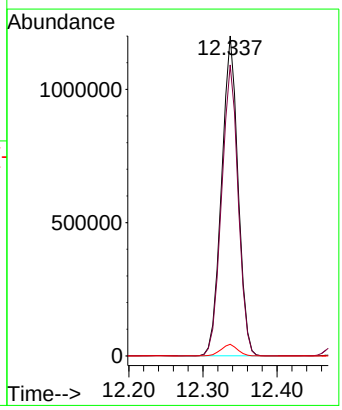


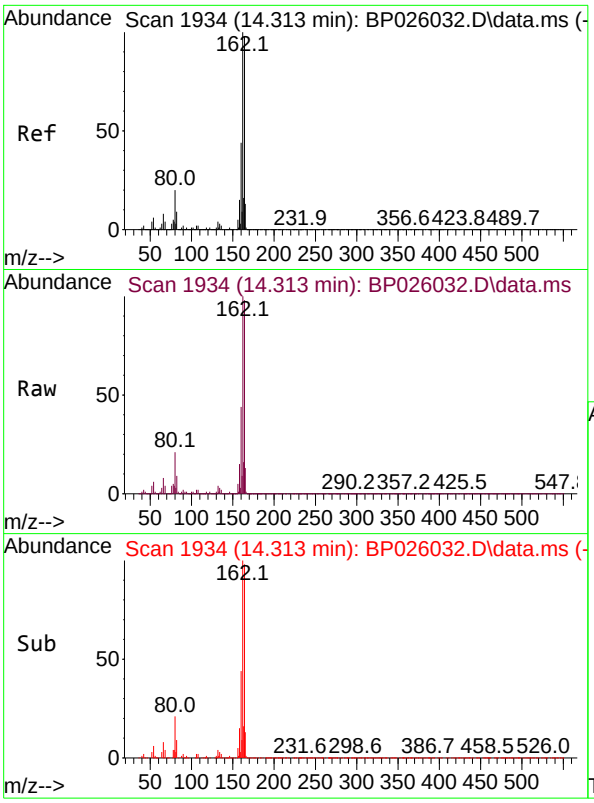


#38
1-Methylnaphthalene
Concen: 41.416 ng
RT: 12.337 min Scan# 1598
Delta R.T. 0.001 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:142 Resp: 1850373

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.7	109.1
116	3.6	2.9	4.3



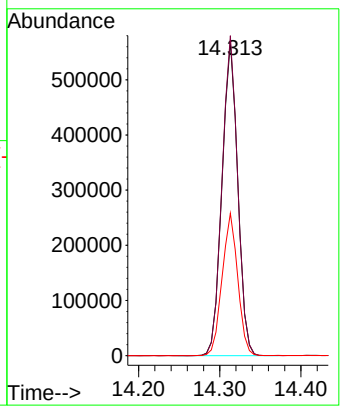


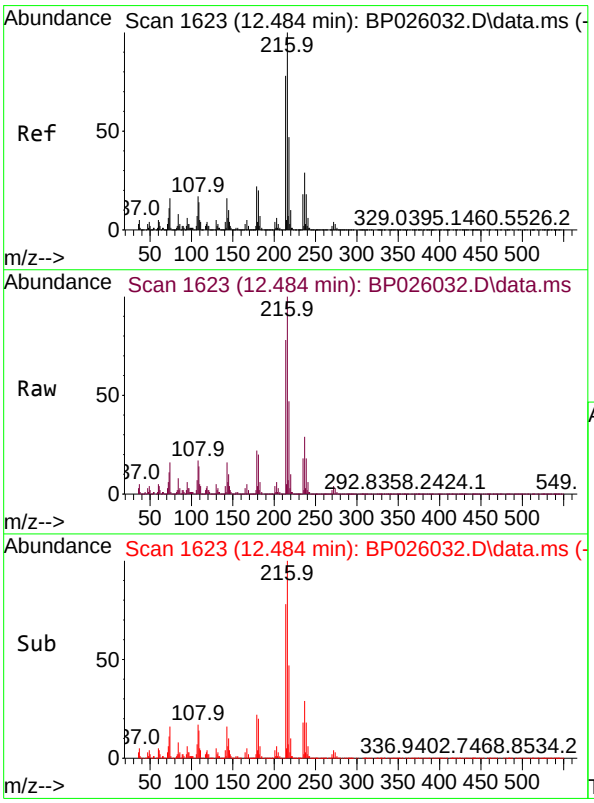
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 764236

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.5	122.3
160	45.3	36.2	54.4

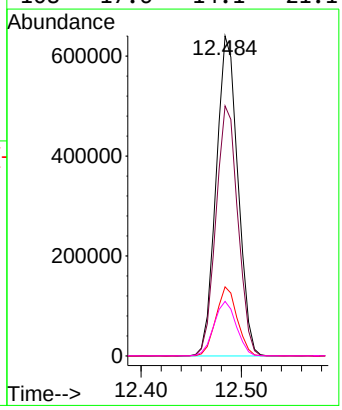


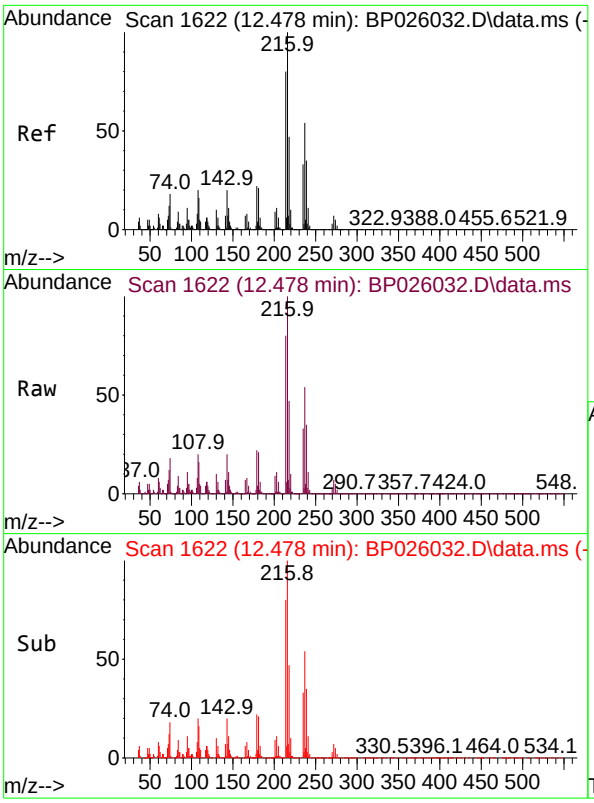


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.707 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:216 Resp: 966620

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.9	94.3
179	21.1	16.9	25.3
108	17.6	14.1	21.1



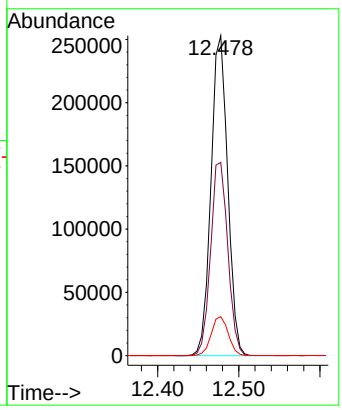


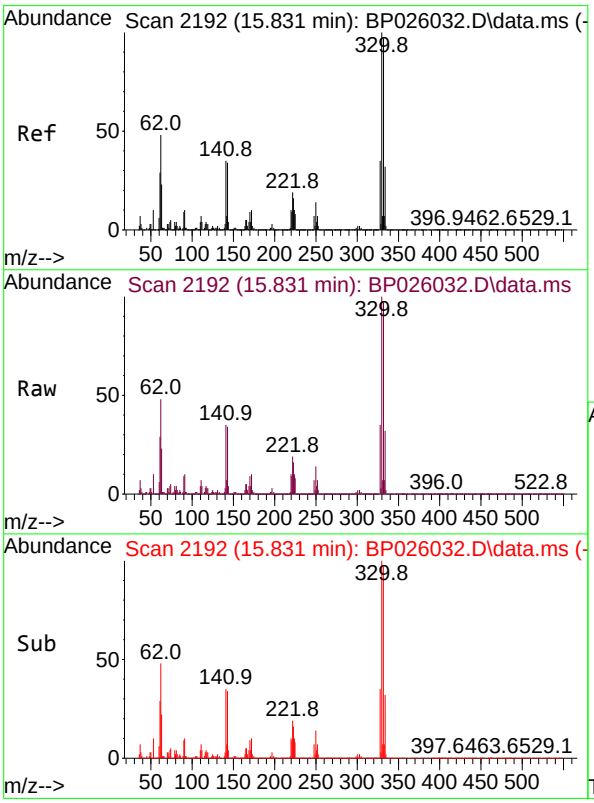
#41
Hexachlorocyclopentadiene
Concen: 41.615 ng
RT: 12.478 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 361557

Ion	Ratio	Lower	Upper
237	100		
235	60.4	40.4	80.4
272	12.2	0.0	32.2

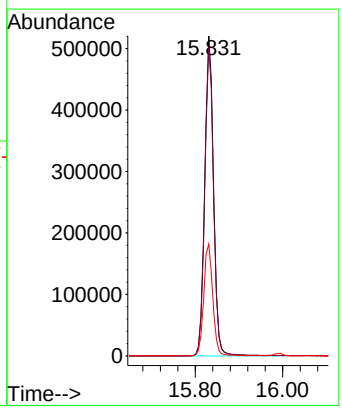


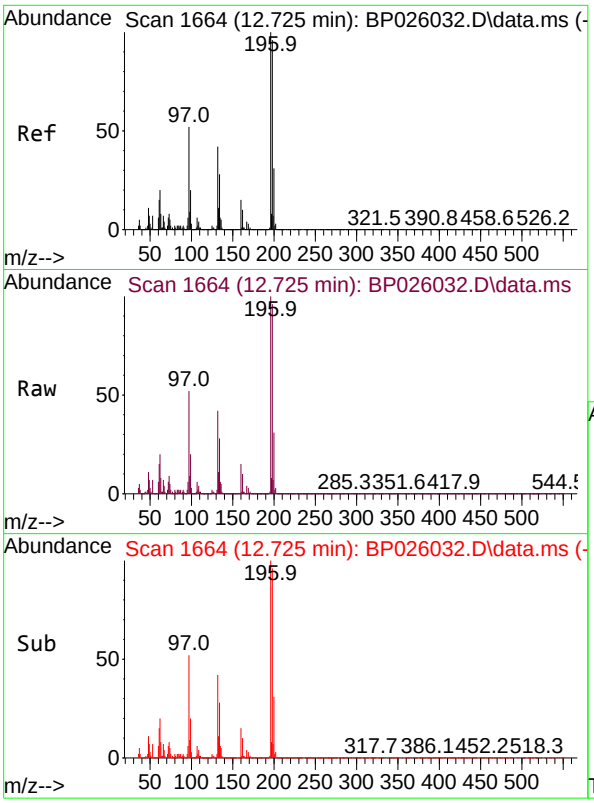


#42
2,4,6-Tribromophenol
Concen: 87.488 ng
RT: 15.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:330 Resp: 722838

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	35.7	28.6	42.8



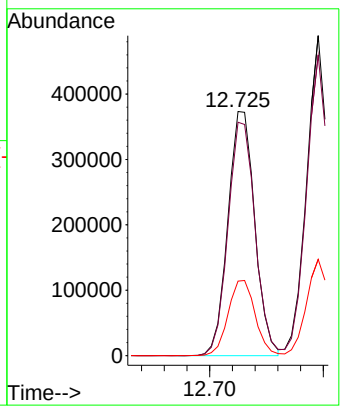


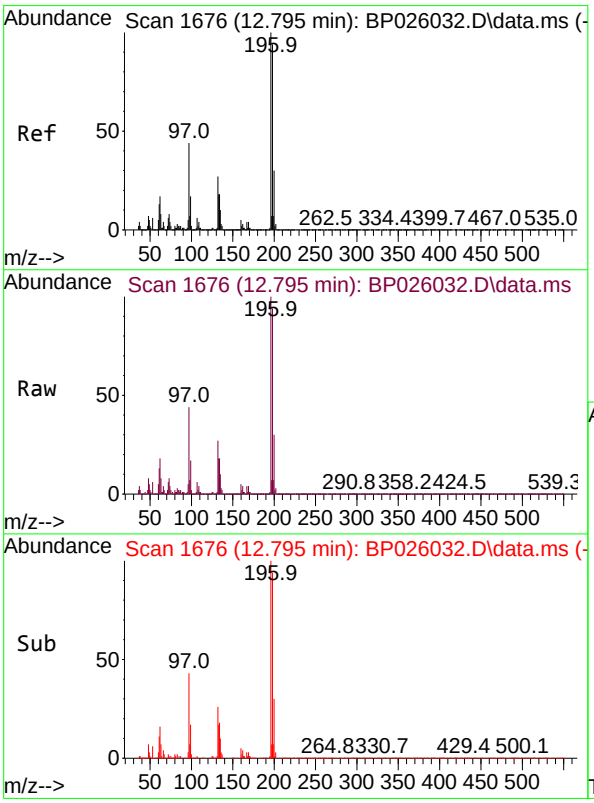
#43
2,4,6-Trichlorophenol
Concen: 43.748 ng
RT: 12.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 614032

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.5	114.7
200	30.5	24.4	36.6

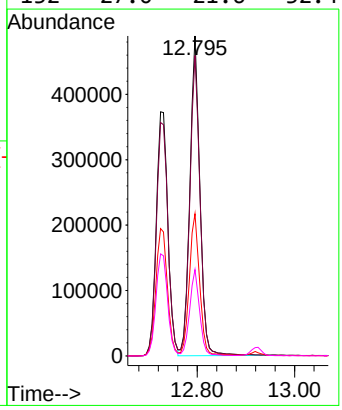


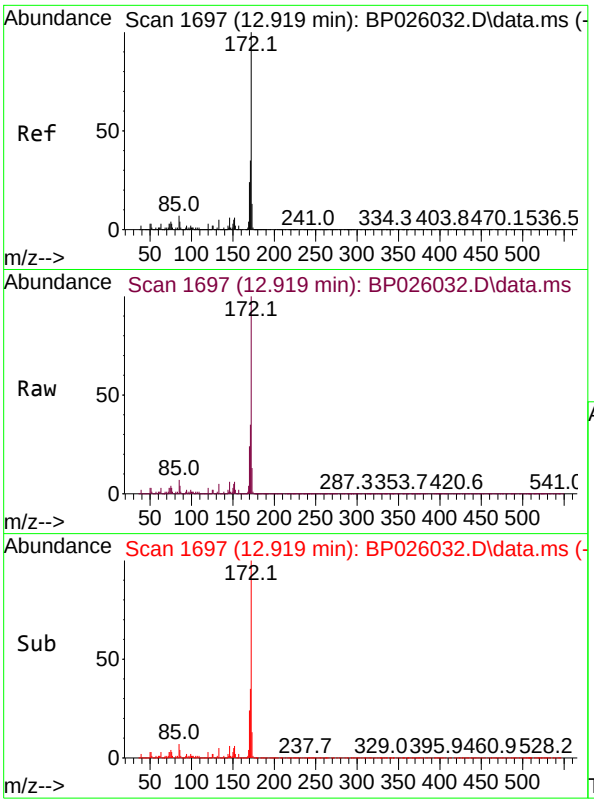


#44
2,4,5-Trichlorophenol
Concen: 43.536 ng
RT: 12.795 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:196 Resp: 697254

Ion	Ratio	Lower	Upper
196	100		
198	93.9	75.1	112.7
97	44.4	35.5	53.3
132	27.0	21.6	32.4



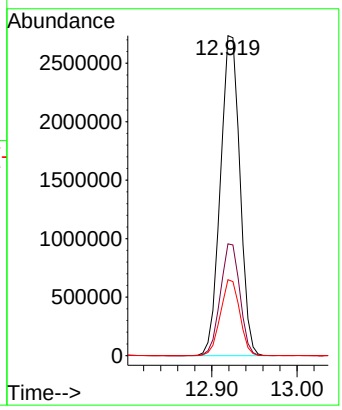


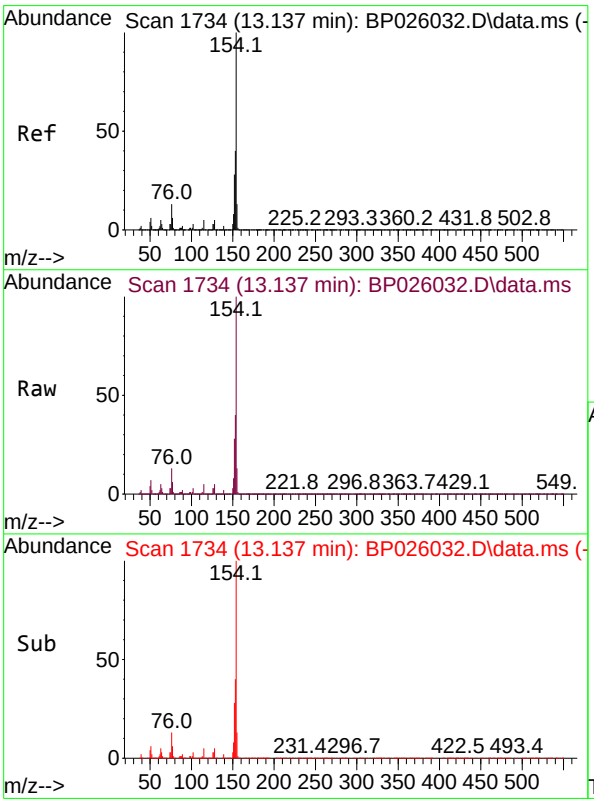
#45
2-Fluorobiphenyl
Concen: 81.651 ng
RT: 12.919 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 4342634

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.7	19.0	28.4

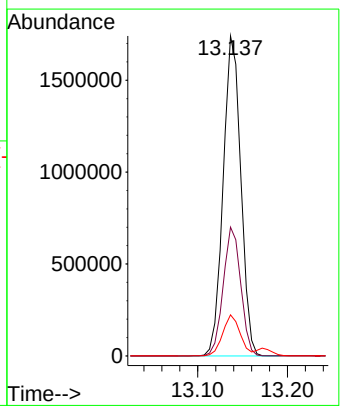


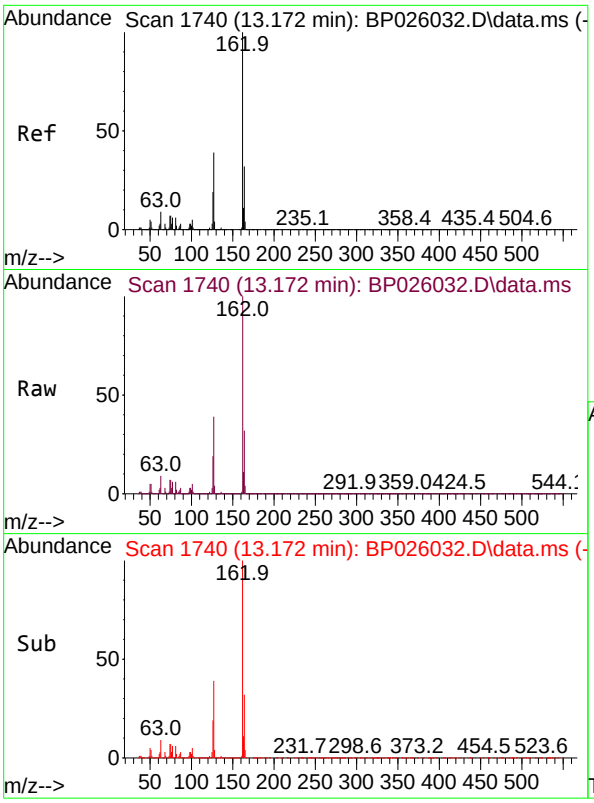


#46
1,1'-Biphenyl
Concen: 40.756 ng
RT: 13.137 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:154 Resp: 2384975

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.2	60.2
76	12.8	0.0	32.8



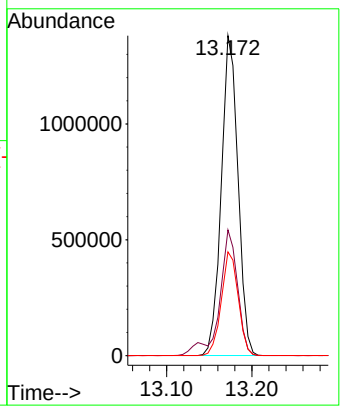


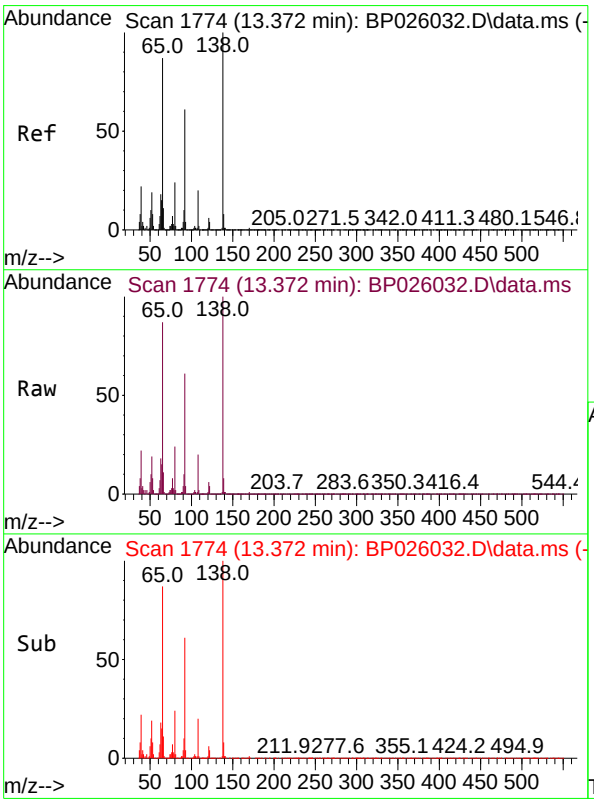
#47
2-Chloronaphthalene
Concen: 40.808 ng
RT: 13.172 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1878852

Ion	Ratio	Lower	Upper
162	100		
127	39.3	31.4	47.2
164	32.4	25.9	38.9

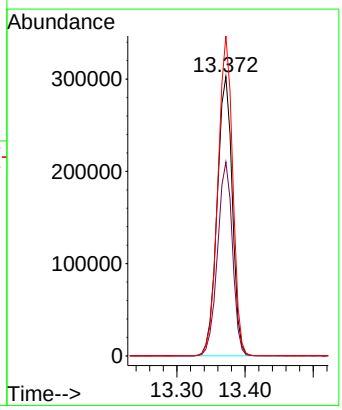


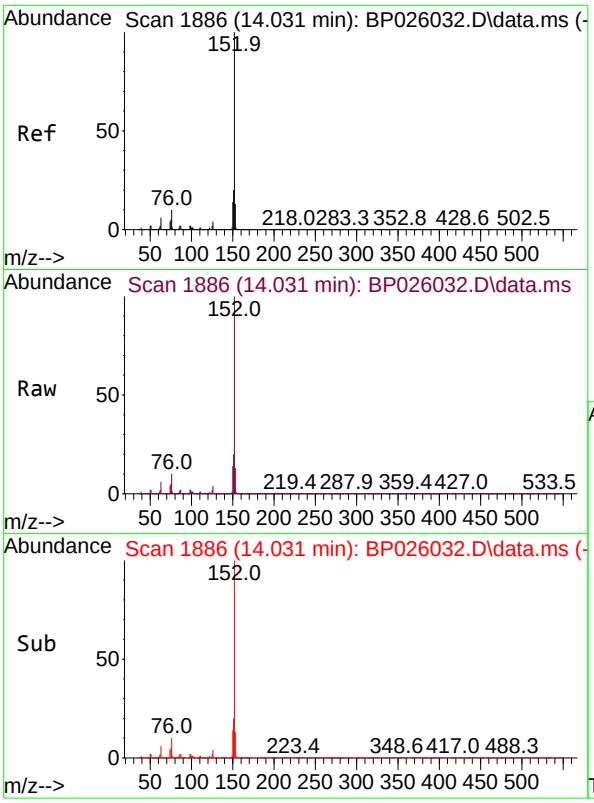


#48
2-Nitroaniline
Concen: 40.401 ng
RT: 13.372 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 65 Resp: 464490

Ion	Ratio	Lower	Upper
65	100		
92	69.4	55.5	83.3
138	114.6	91.7	137.5



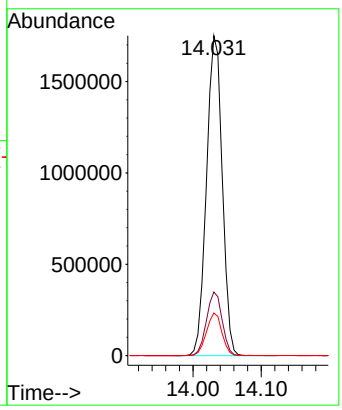


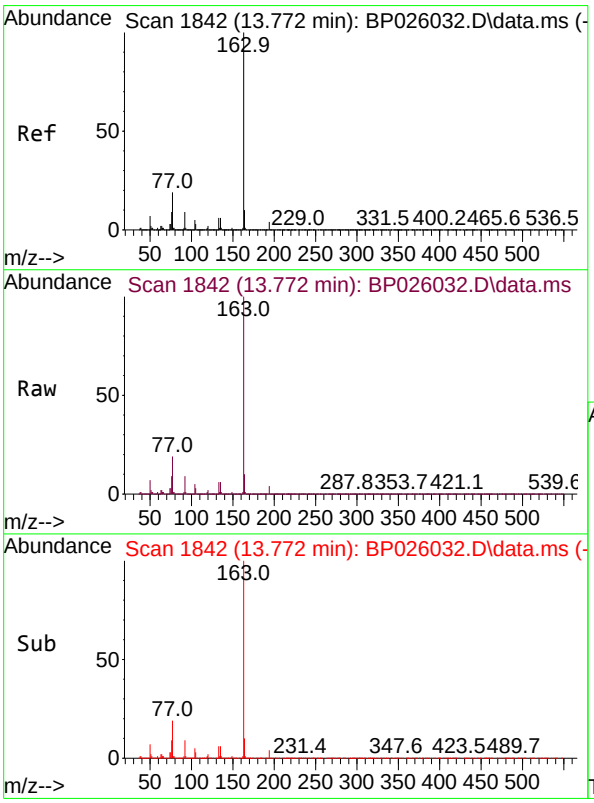
#49
Acenaphthylene
Concen: 41.727 ng
RT: 14.031 min Scan# 18
Delta R.T. -0.005 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2800152

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	16.0

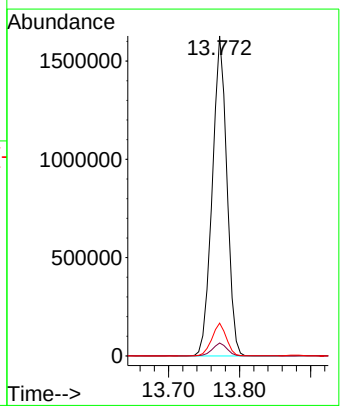


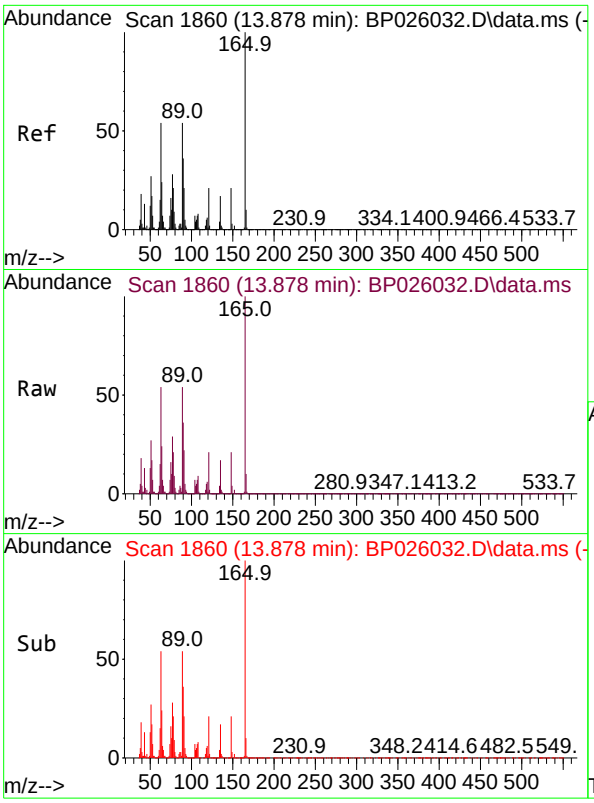


#50
Dimethylphthalate
Concen: 41.854 ng
RT: 13.772 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:163 Resp: 2326622

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.2	8.2	12.2



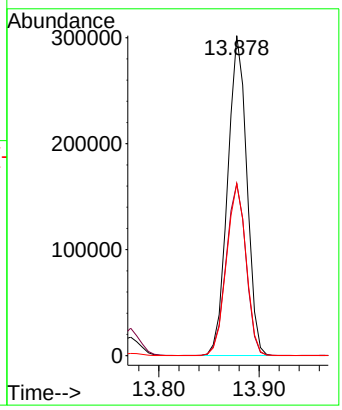


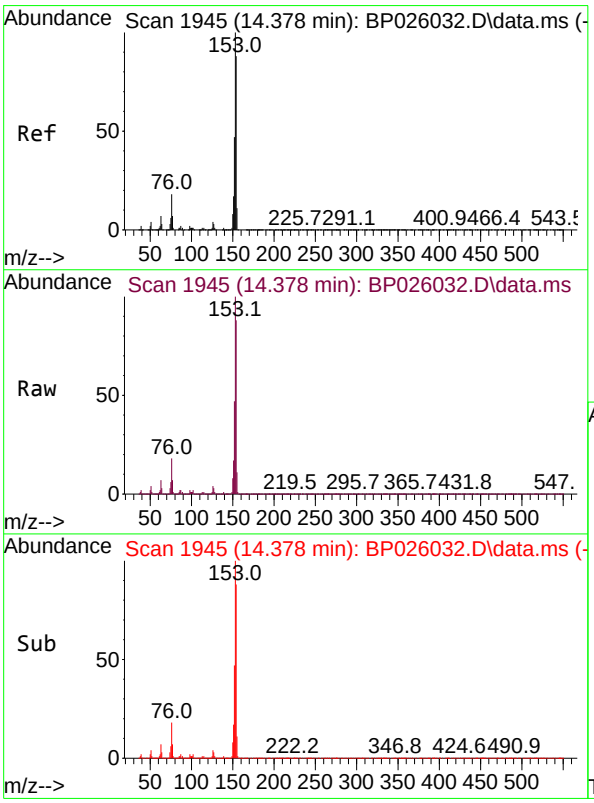
#51
2,6-Dinitrotoluene
Concen: 39.911 ng
RT: 13.878 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 402854

Ion	Ratio	Lower	Upper
165	100		
63	53.7	43.0	64.4
89	53.7	43.0	64.4

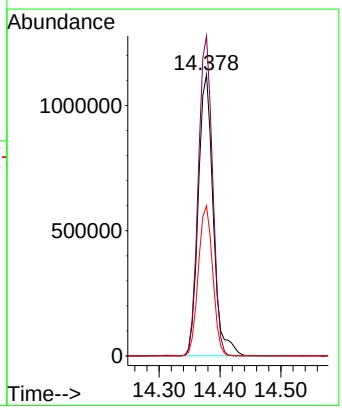


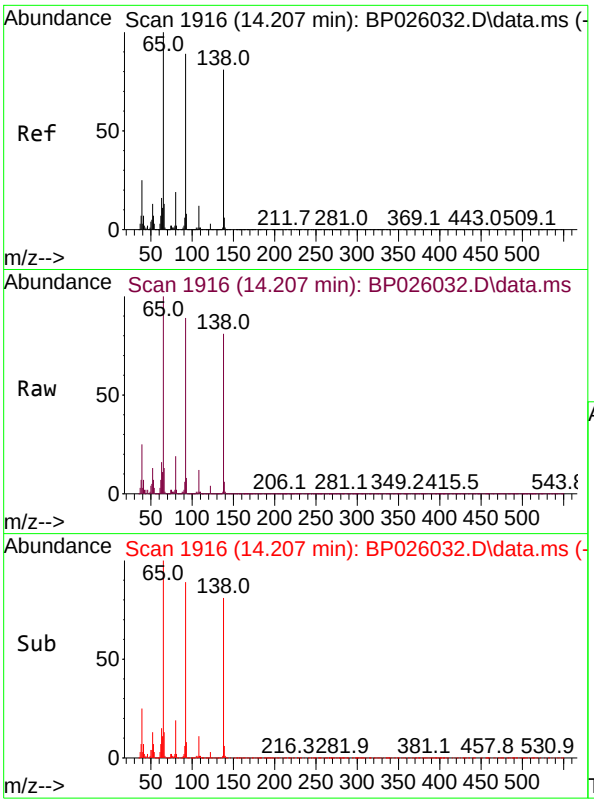


#52
Acenaphthene
Concen: 41.440 ng
RT: 14.378 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:154 Resp: 1909071

Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.0	136.4
152	53.4	42.7	64.1



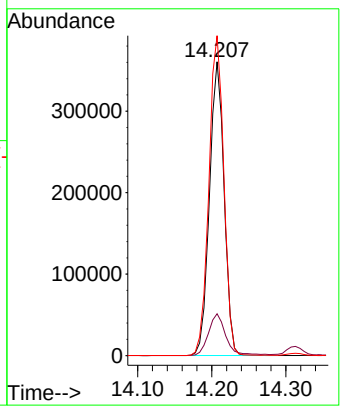


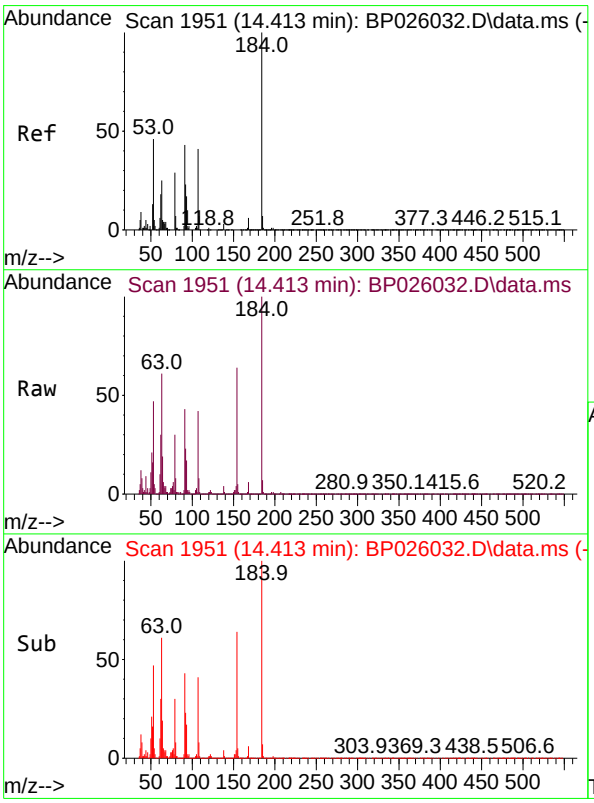
#53
3-Nitroaniline
Concen: 40.022 ng
RT: 14.207 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 495409

Ion	Ratio	Lower	Upper
138	100		
108	14.2	11.4	17.0
92	108.9	87.1	130.7

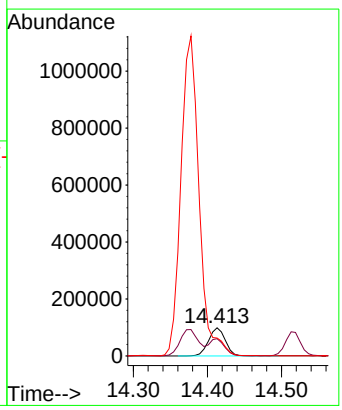


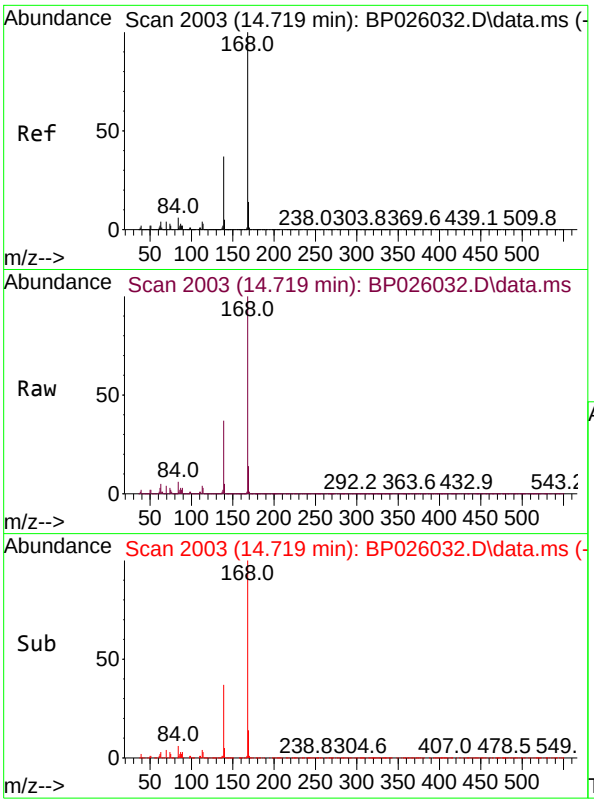


#54
2,4-Dinitrophenol
Concen: 40.475 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:184 Resp: 153212

Ion	Ratio	Lower	Upper
184	100		
63	61.2	49.0	73.4
154	63.8	51.0	76.6



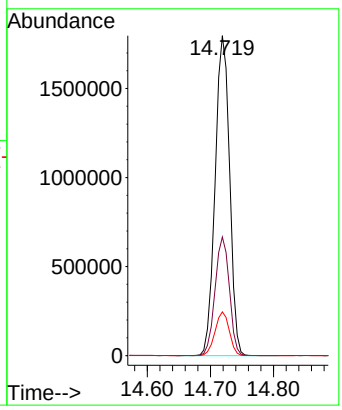


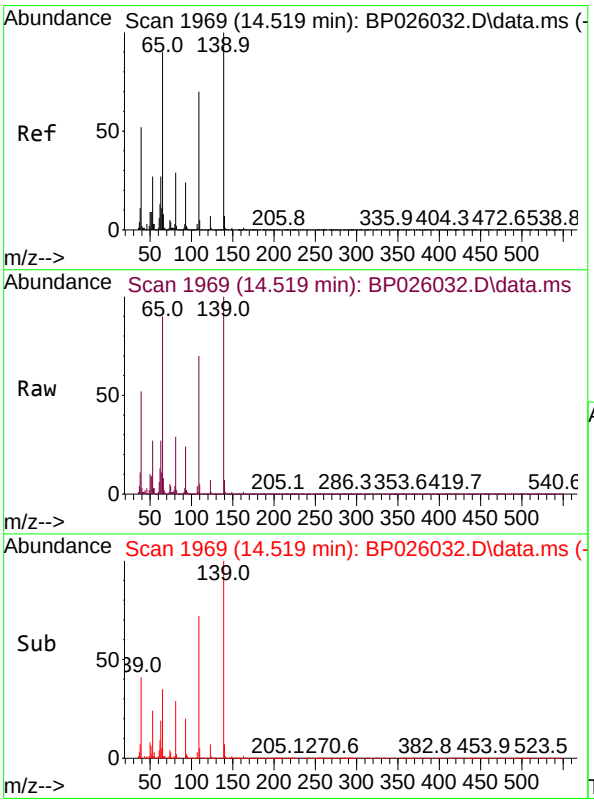
#55
Dibenzofuran
Concen: 41.043 ng
RT: 14.719 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2856737

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.7	44.5
169	13.7	11.0	16.4

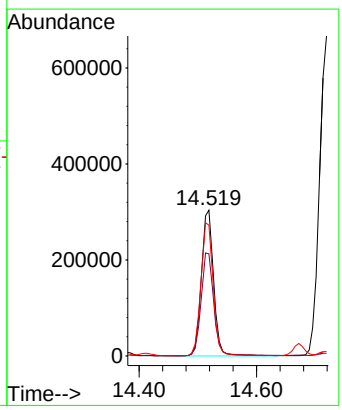


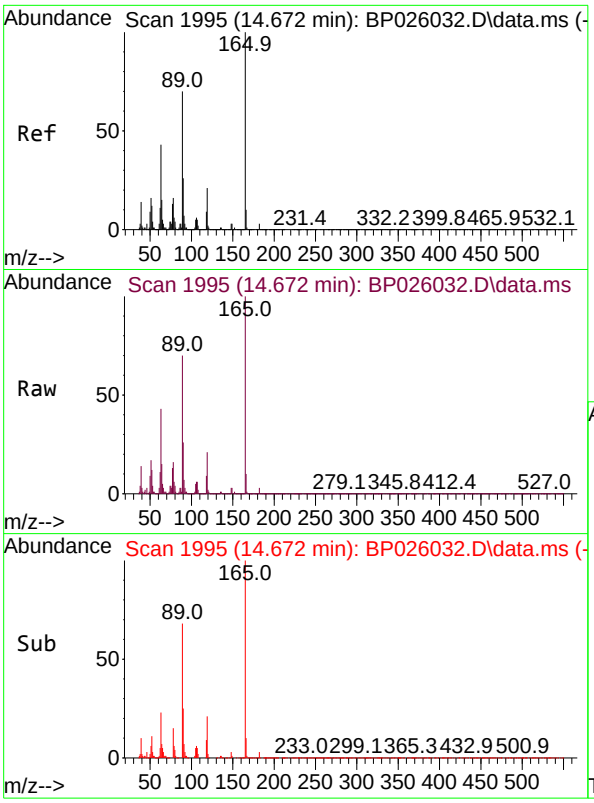


#56
4-Nitrophenol
Concen: 39.340 ng
RT: 14.519 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:139 Resp: 436072

Ion	Ratio	Lower	Upper
139	100		
109	70.0	50.0	90.0
65	89.6	69.6	109.6



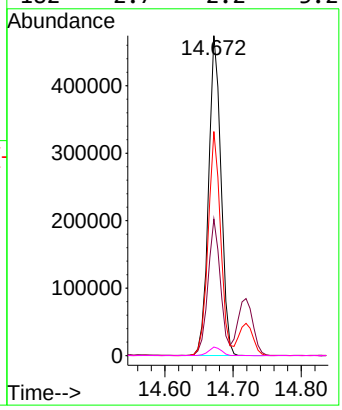


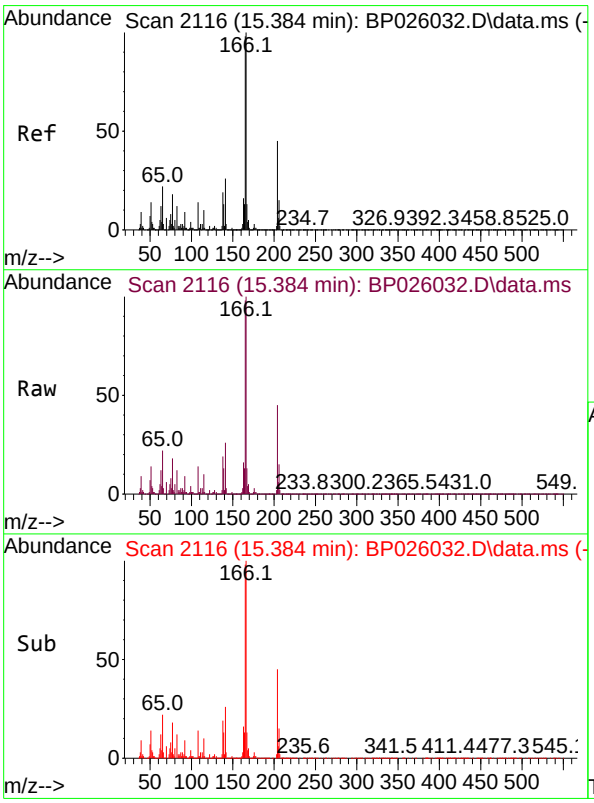
#57
2,4-Dinitrotoluene
Concen: 40.877 ng
RT: 14.672 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 600497

Ion	Ratio	Lower	Upper
165	100		
63	42.7	34.2	51.2
89	70.0	56.0	84.0
182	2.7	2.2	3.2

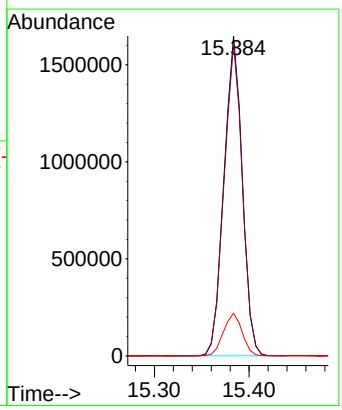


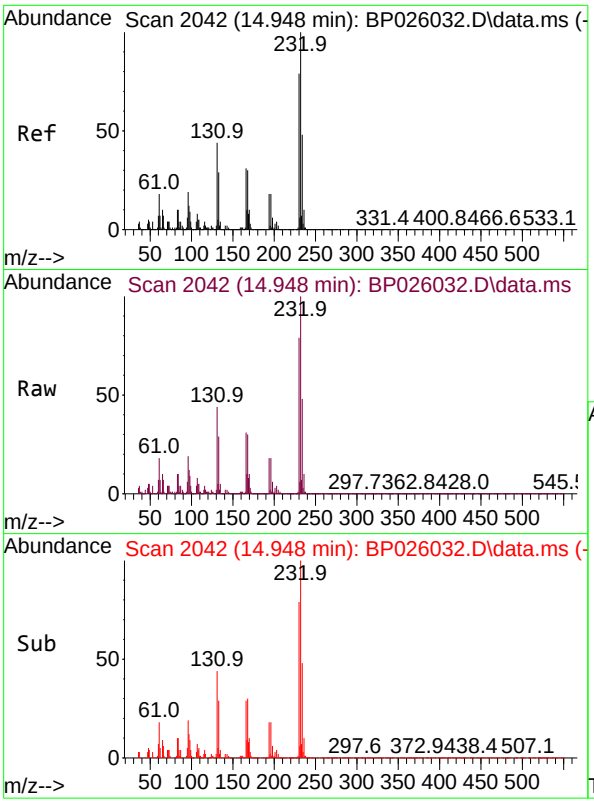


#58
Fluorene
Concen: 40.643 ng
RT: 15.384 min Scan# 2116
Delta R.T. 0.001 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:166 Resp: 2216283

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.1	117.1
167	13.3	10.6	16.0



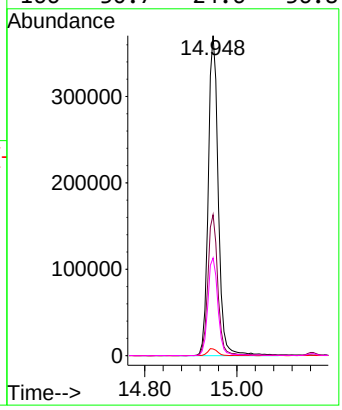


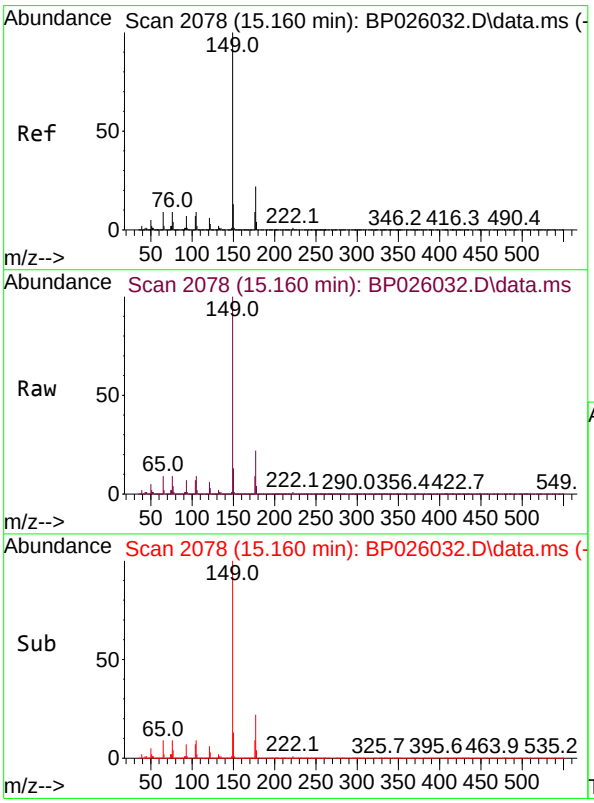
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.213 ng
RT: 14.948 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 556750

Ion	Ratio	Lower	Upper
232	100		
131	44.0	35.2	52.8
130	2.1	1.7	2.5
166	30.7	24.6	36.8

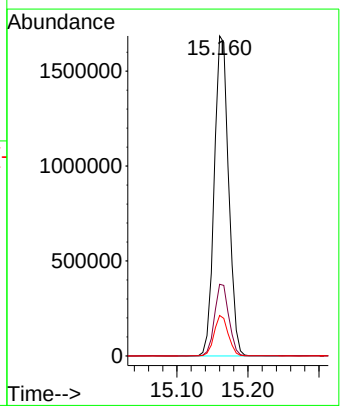


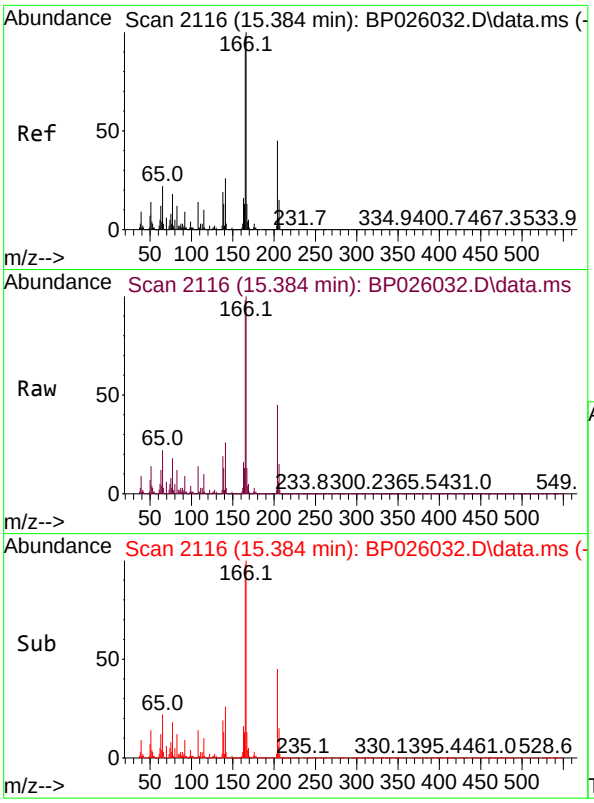


#60
Diethylphthalate
Concen: 42.357 ng
RT: 15.160 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:149 Resp: 2367180

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	12.6	10.1	15.1



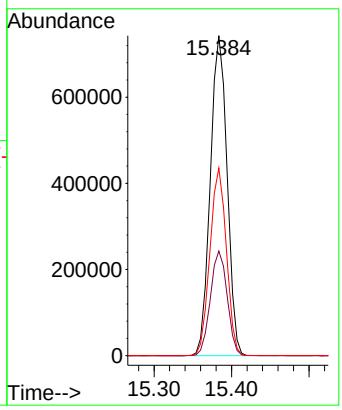


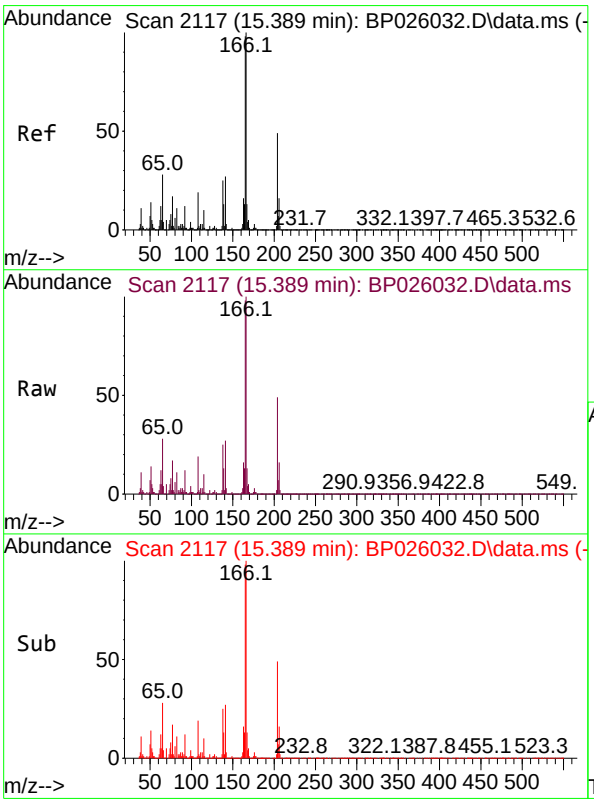
#61
4-Chlorophenyl-phenylether
Concen: 41.008 ng
RT: 15.384 min Scan# 2
Delta R.T. -0.005 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1116700

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	58.7	47.0	70.4

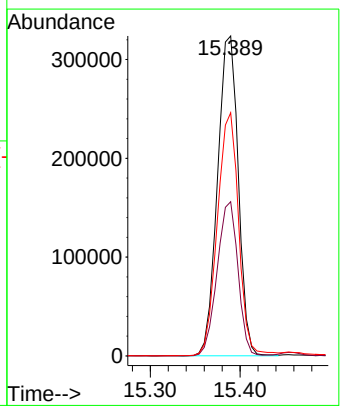


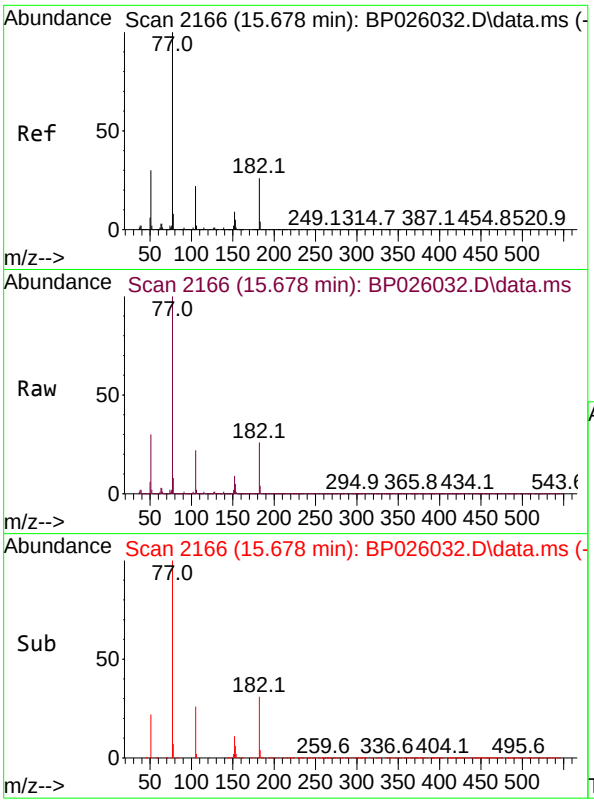


#62
4-Nitroaniline
Concen: 44.005 ng
RT: 15.389 min Scan# 2117
Delta R.T. -0.012 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:138 Resp: 522724

Ion	Ratio	Lower	Upper
138	100		
92	48.2	28.2	68.2
108	76.0	56.0	96.0



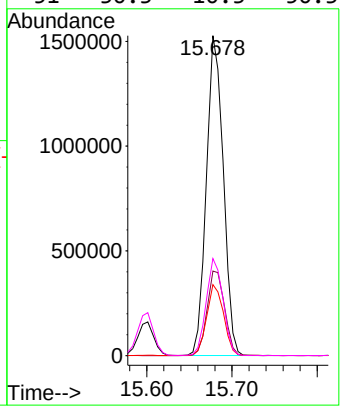


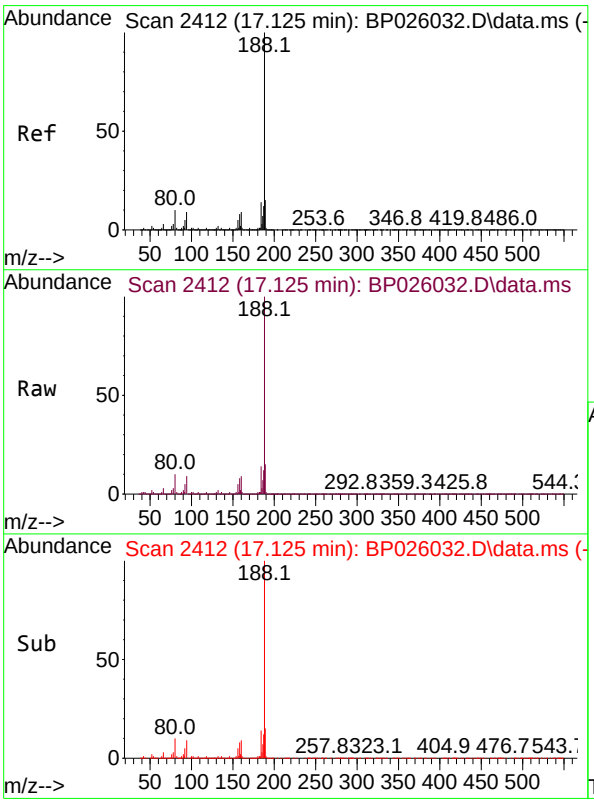
#63
Azobenzene
Concen: 41.601 ng
RT: 15.678 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 2107059

Ion	Ratio	Lower	Upper
77	100		
182	26.4	6.4	46.4
105	22.2	2.2	42.2
51	30.3	10.3	50.3

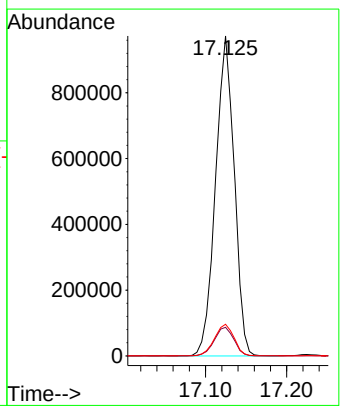


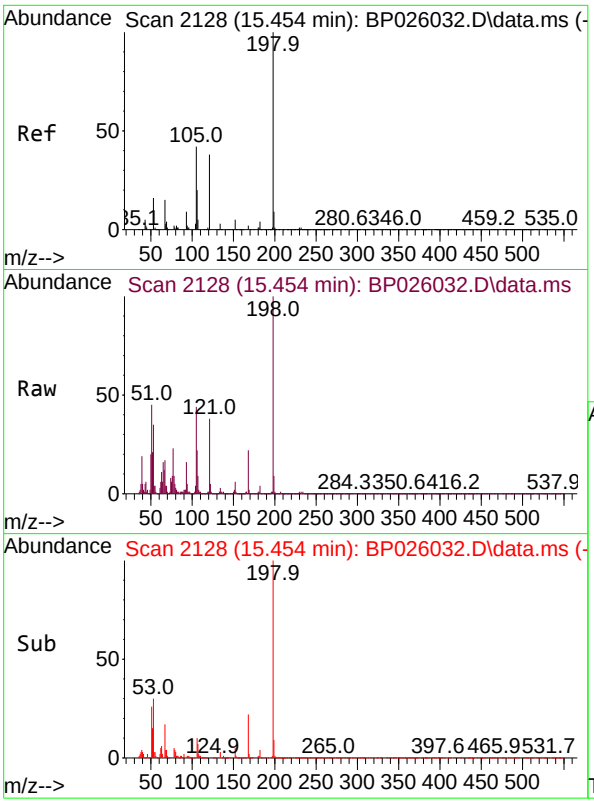


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:188 Resp: 1555861

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.1	10.7
80	9.9	7.9	11.9



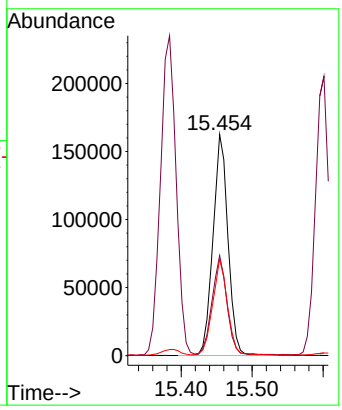


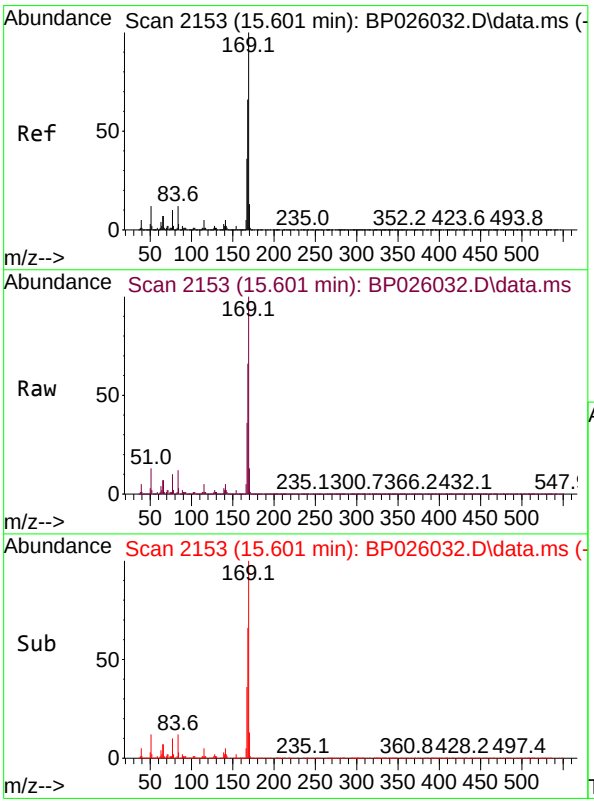
#65
4,6-Dinitro-2-methylphenol
Concen: 39.981 ng
RT: 15.454 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 237899

Ion	Ratio	Lower	Upper
198	100		
51	45.2	25.2	65.2
105	43.7	23.7	63.7

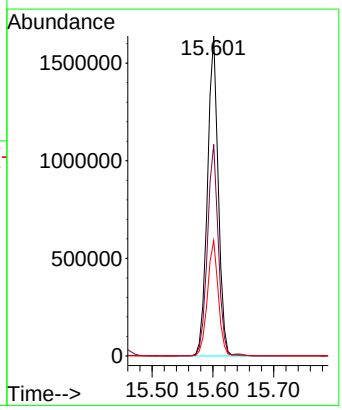


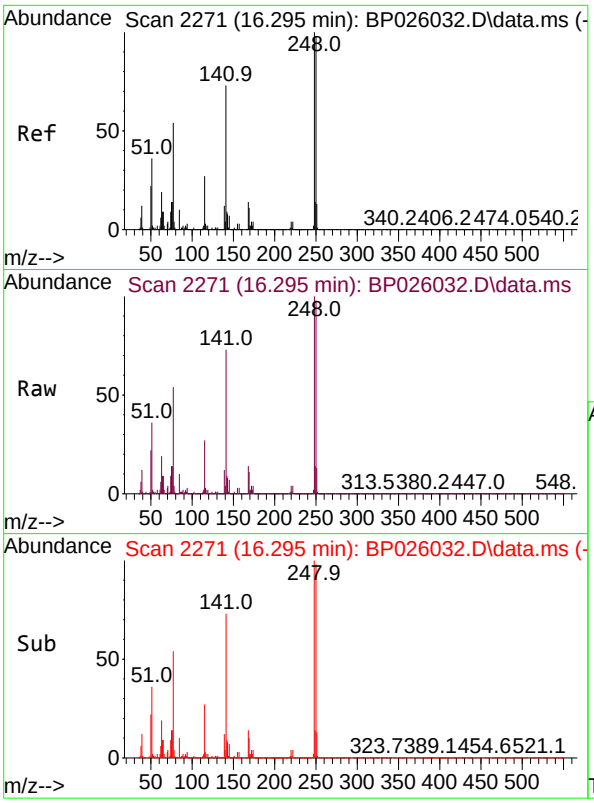


#66
n-Nitrosodiphenylamine
Concen: 41.369 ng
RT: 15.601 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:169 Resp: 2012448

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.9	79.3
167	36.1	28.9	43.3



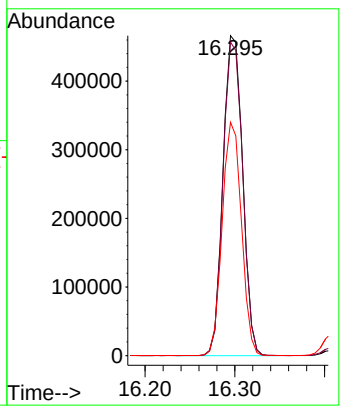


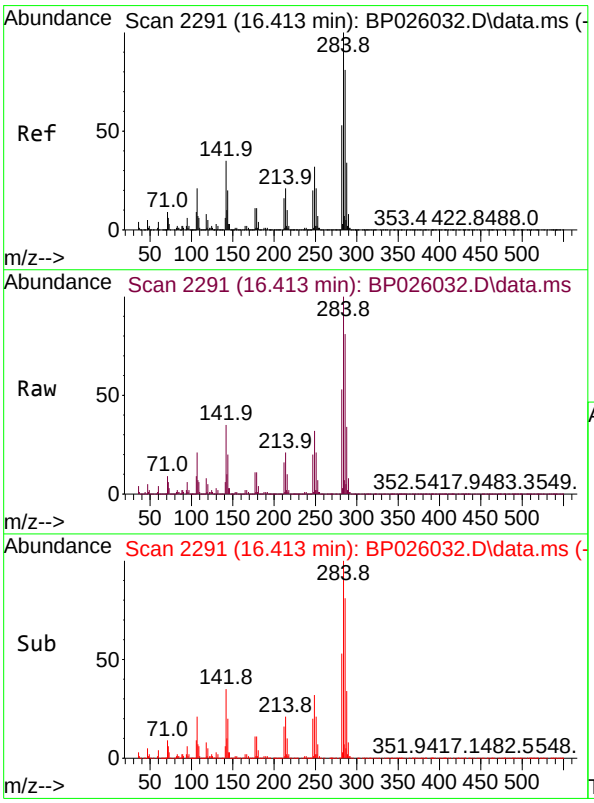
#67
4-Bromophenyl-phenylether
Concen: 41.150 ng
RT: 16.295 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 710184

Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.4	117.6
141	72.9	58.3	87.5

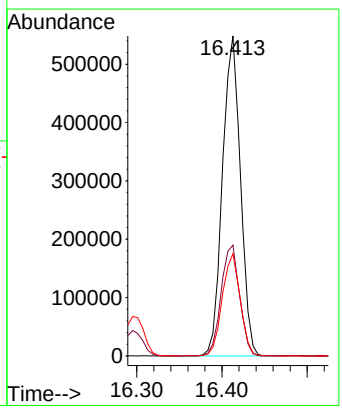


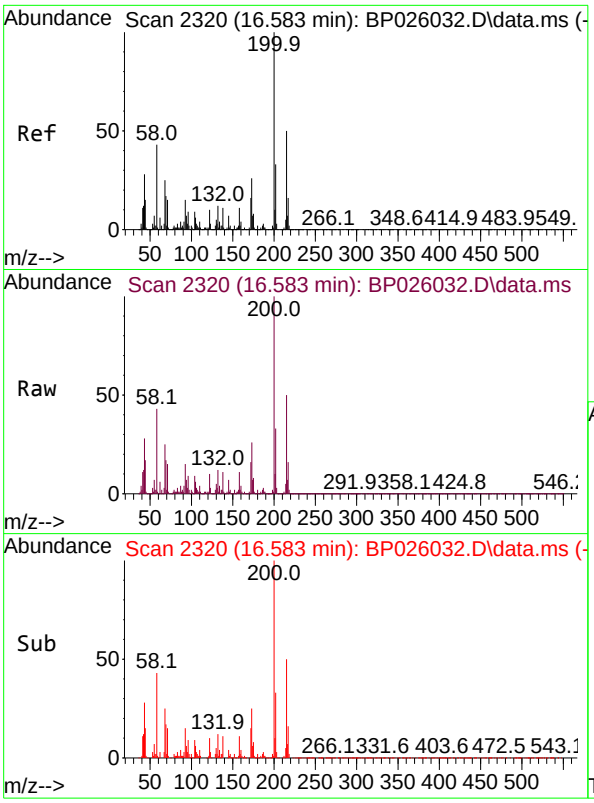


#68
Hexachlorobenzene
Concen: 40.808 ng
RT: 16.413 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:284 Resp: 801740

Ion	Ratio	Lower	Upper
284	100		
142	34.6	27.7	41.5
249	31.9	25.5	38.3



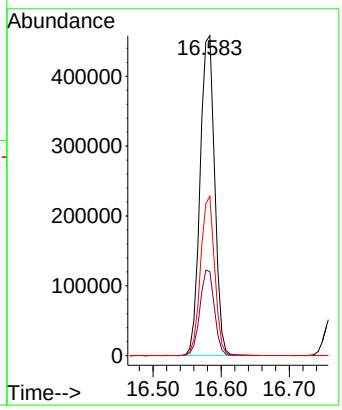


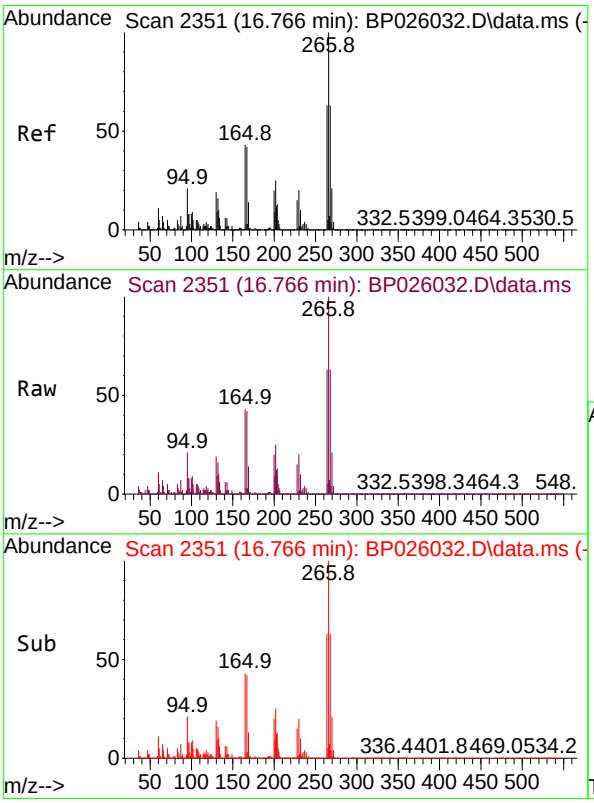
#69
Atrazine
Concen: 41.518 ng
RT: 16.583 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 681323

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.2	46.2
215	49.8	29.8	69.8

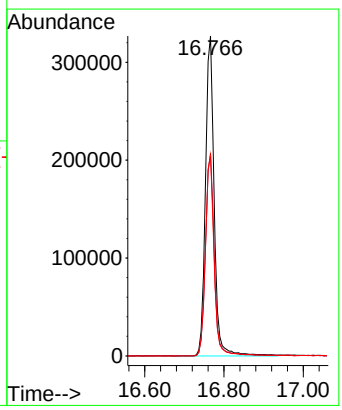


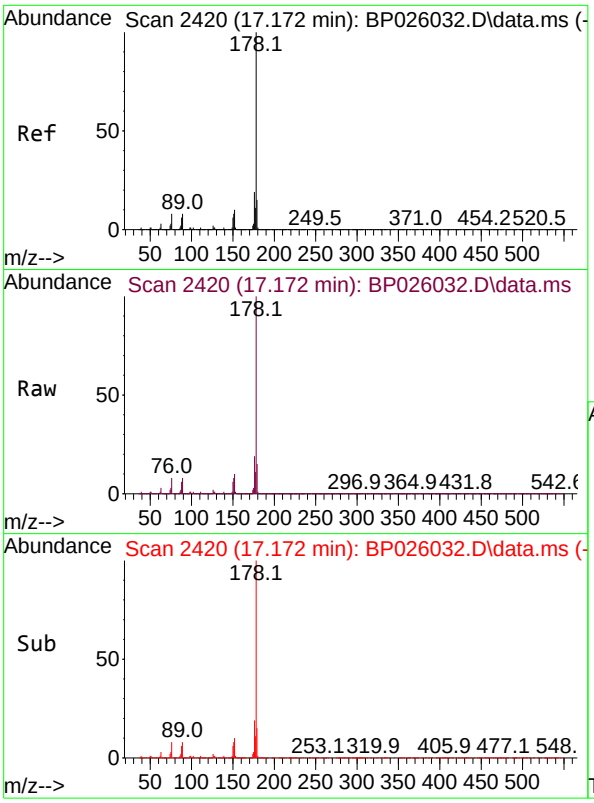


#70
Pentachlorophenol
Concen: 41.647 ng
RT: 16.766 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:266 Resp: 499791

Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.6	76.0
264	62.8	50.2	75.4



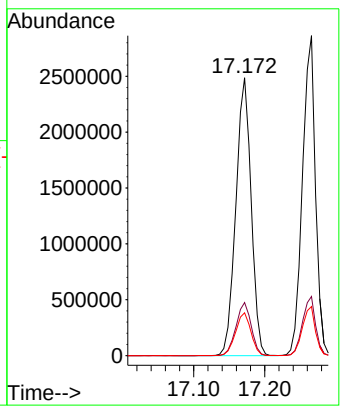


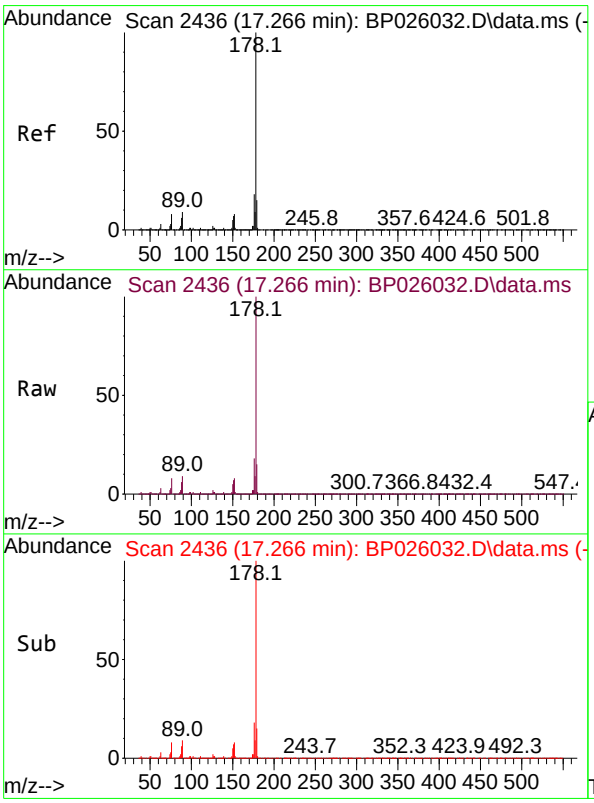
#71
Phenanthrene
Concen: 40.848 ng
RT: 17.172 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 3699137

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.3	18.5

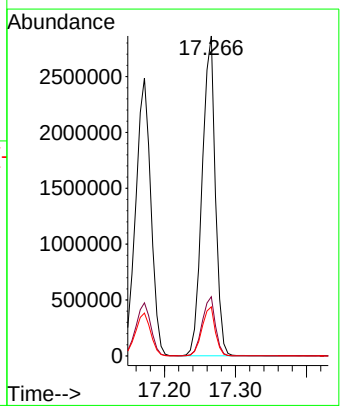


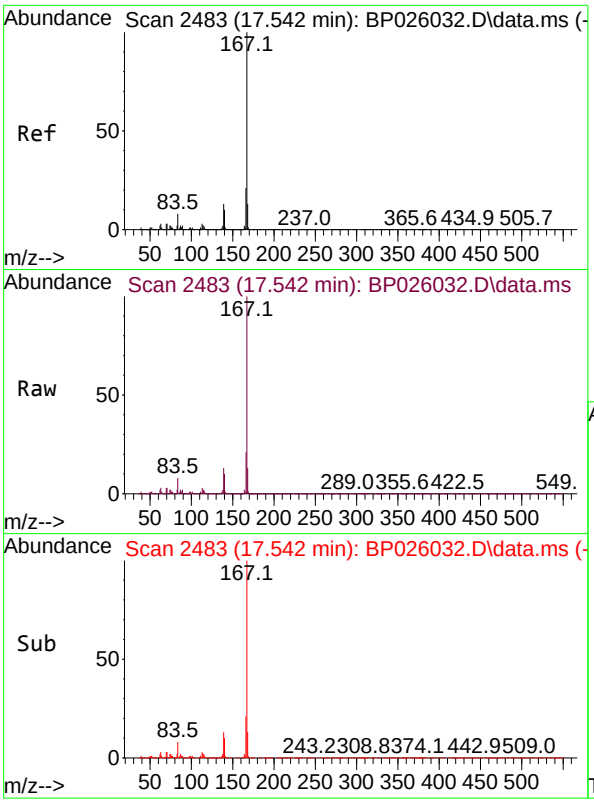


#72
Anthracene
Concen: 40.790 ng
RT: 17.266 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:178 Resp: 3661573

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.2	18.4



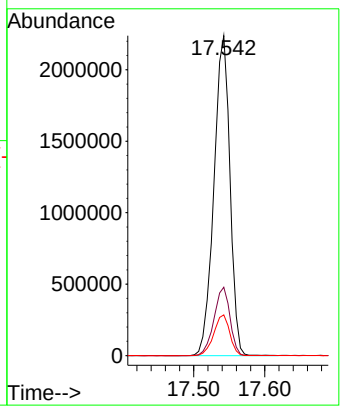


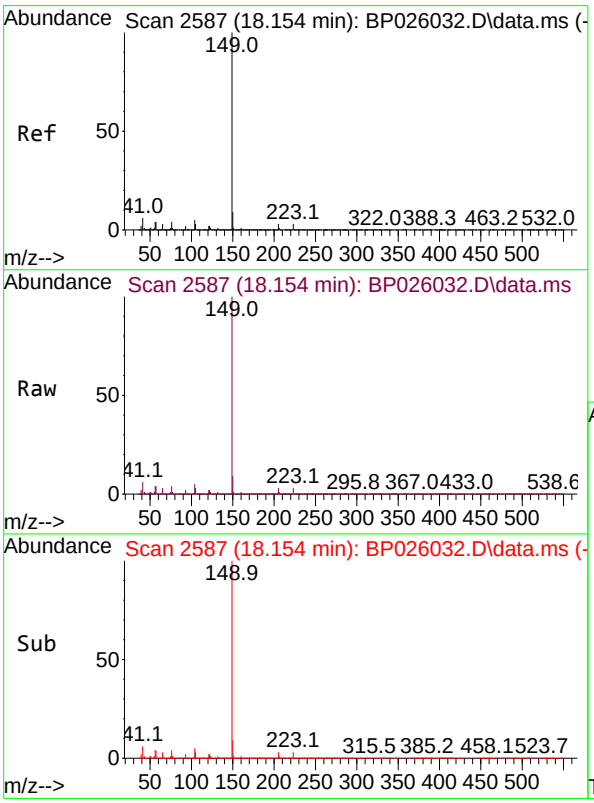
#73
Carbazole
Concen: 41.351 ng
RT: 17.542 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 3513761

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.7	10.2	15.2

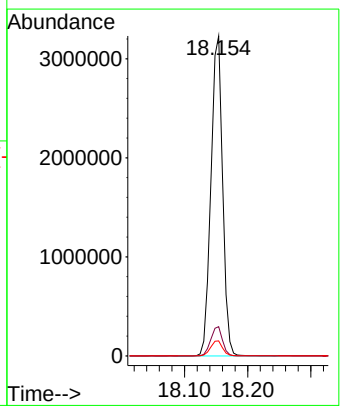


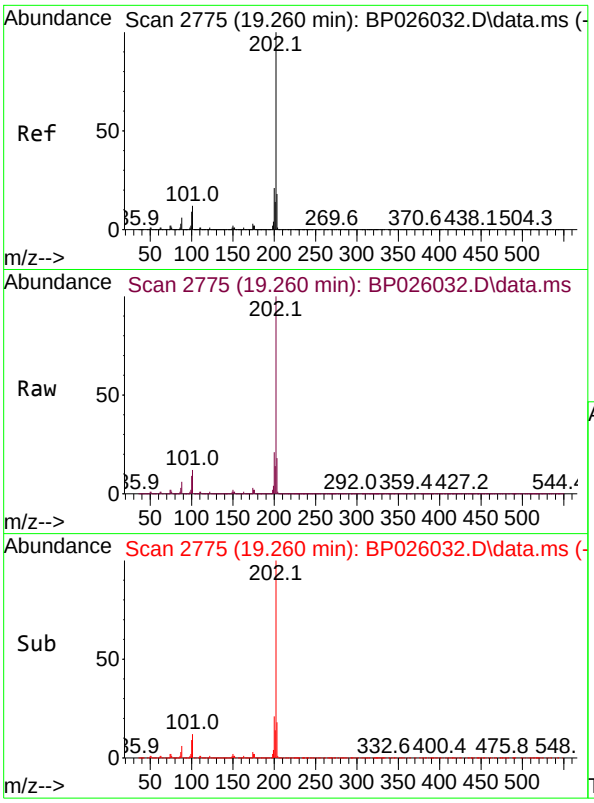


#74
Di-n-butylphthalate
Concen: 43.610 ng
RT: 18.154 min Scan# 2587
Delta R.T. -0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:149 Resp: 4146570

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.7	3.8	5.6



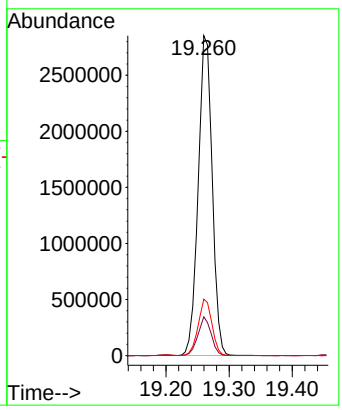


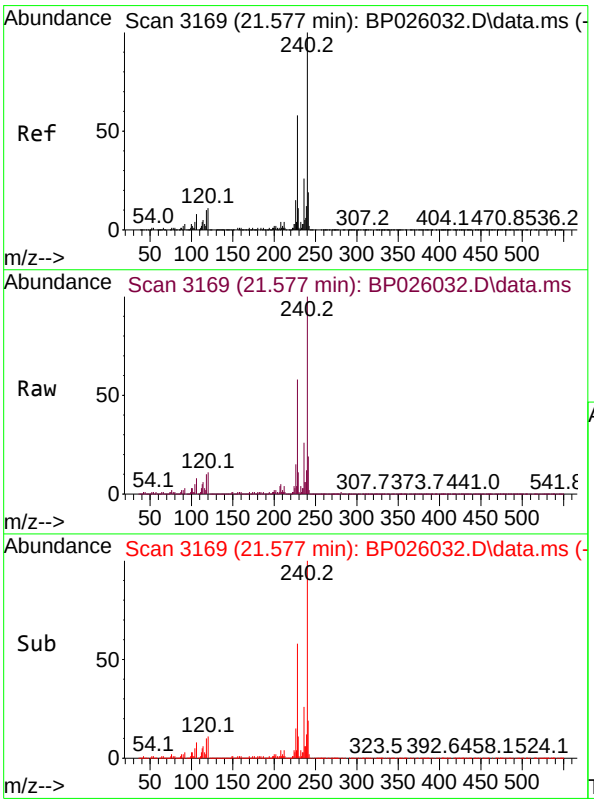
#75
Fluoranthene
Concen: 41.552 ng
RT: 19.260 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 4389430

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.1
203	17.6	0.0	37.6

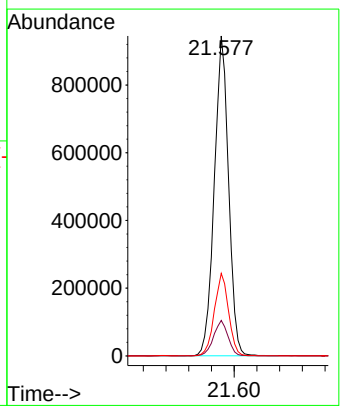


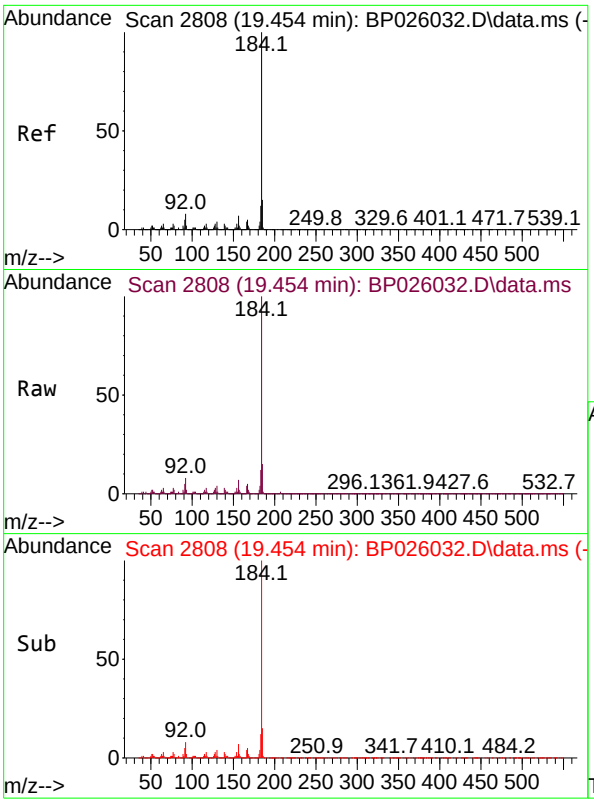


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:240 Resp: 1646604

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	25.8	20.6	31.0



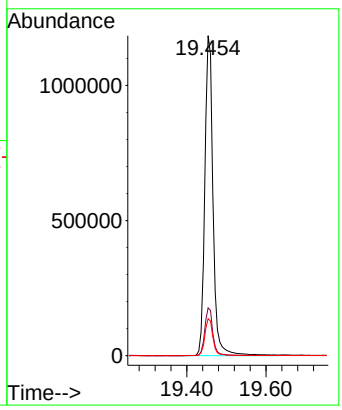


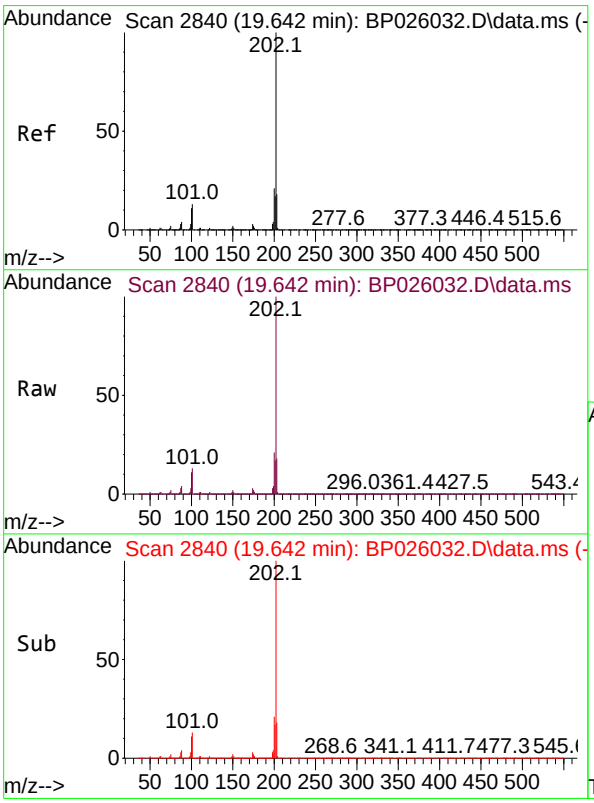
#77
Benzidine
Concen: 40.744 ng
RT: 19.454 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1702883

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	11.5	9.2	13.8

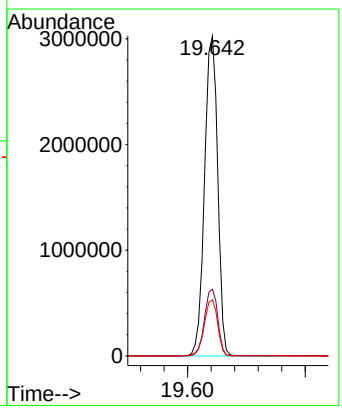


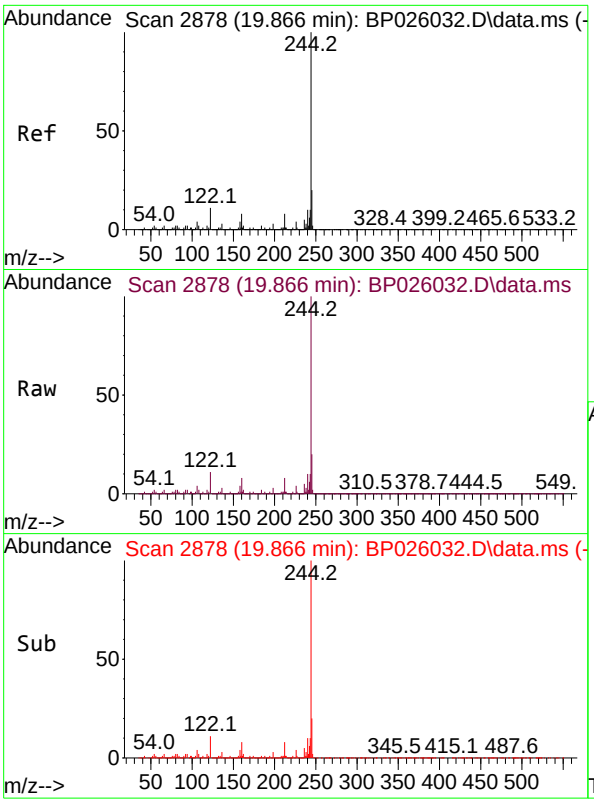


#78
Pyrene
Concen: 42.194 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:202 Resp: 4699012

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.5	14.0	21.0



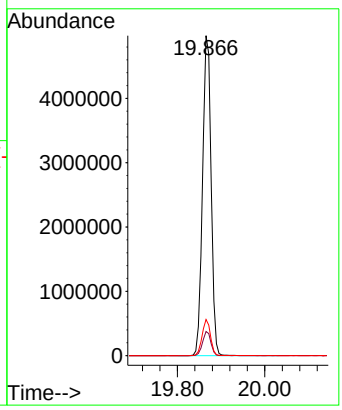


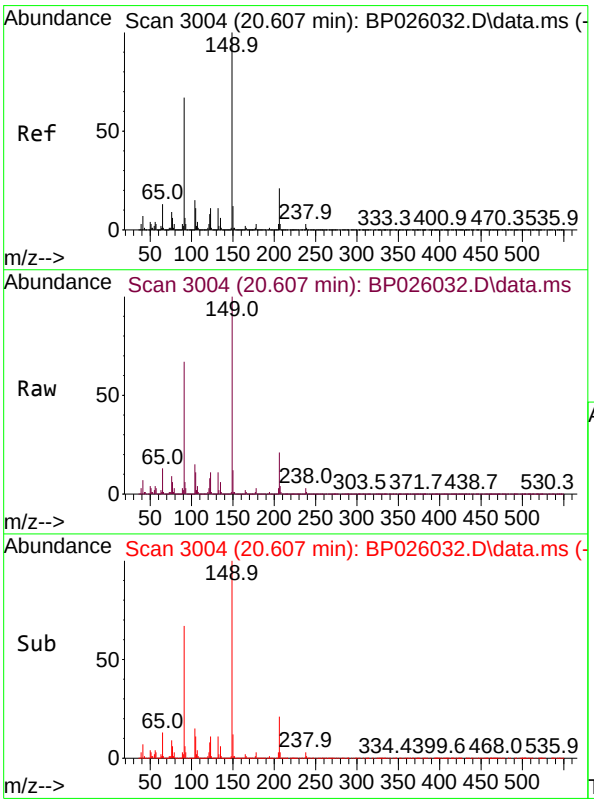
#79
Terphenyl-d14
Concen: 82.377 ng
RT: 19.866 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6676375

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.3	9.0	13.6

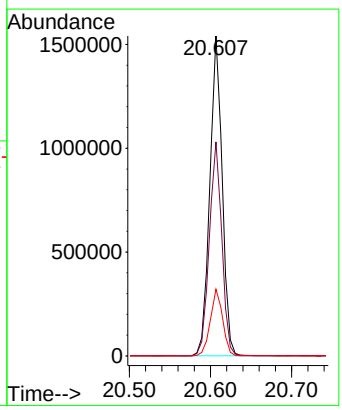


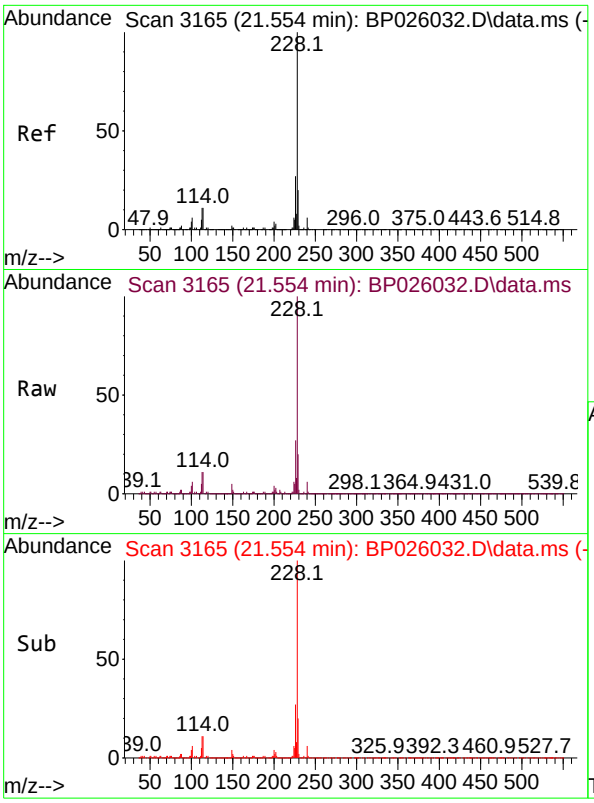


#80
Butylbenzylphthalate
Concen: 39.905 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:149 Resp: 1633601

Ion	Ratio	Lower	Upper
149	100		
91	66.9	53.5	80.3
206	20.8	16.6	25.0



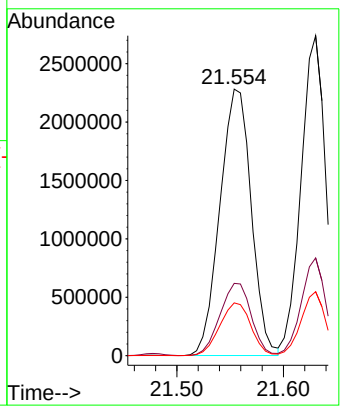


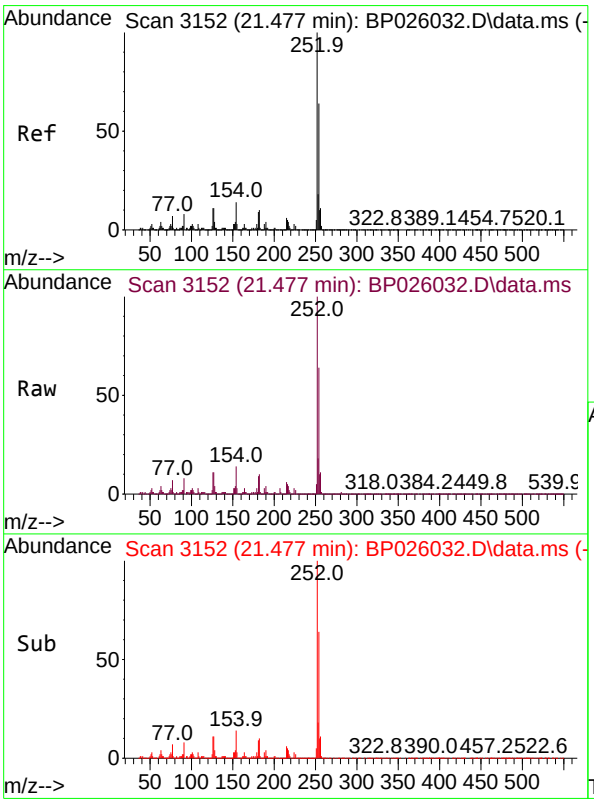
#81
Benzo(a)anthracene
Concen: 41.317 ng
RT: 21.554 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 4675082

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.8	15.8	23.8

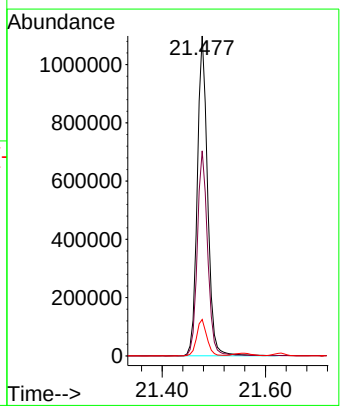


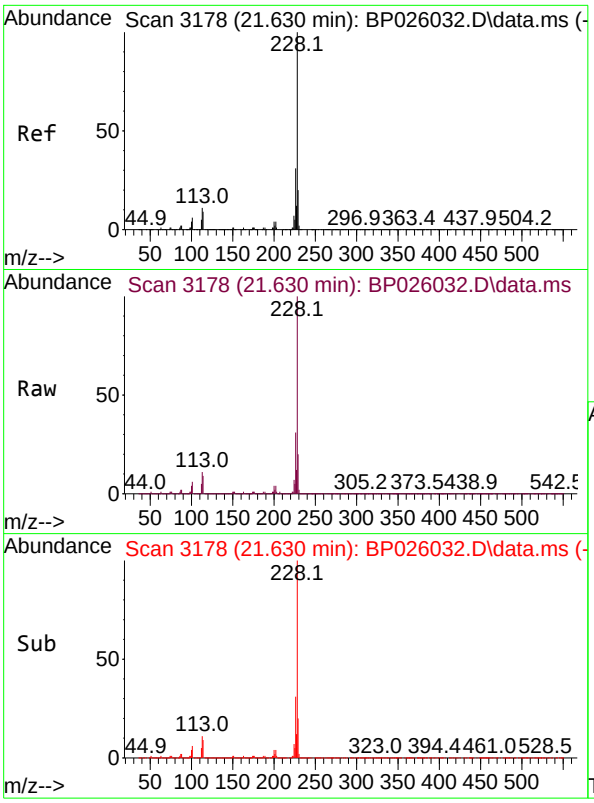


#82
3,3'-Dichlorobenzidine
Concen: 41.695 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:252 Resp: 1520065

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.3	76.9
126	11.4	9.1	13.7



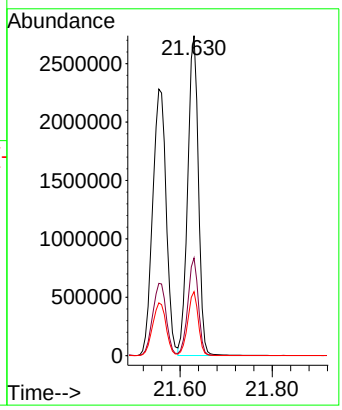


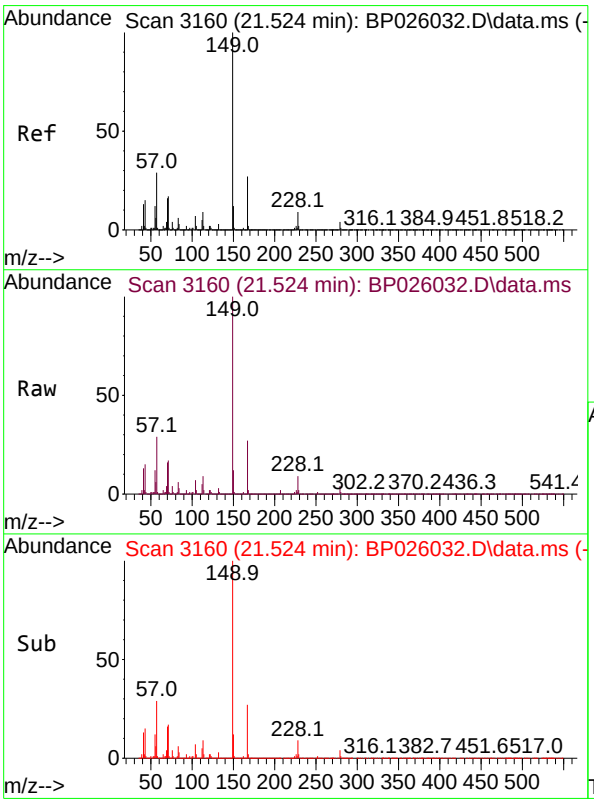
#83
Chrysene
Concen: 41.334 ng
RT: 21.630 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 4430345

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	20.0	16.0	24.0

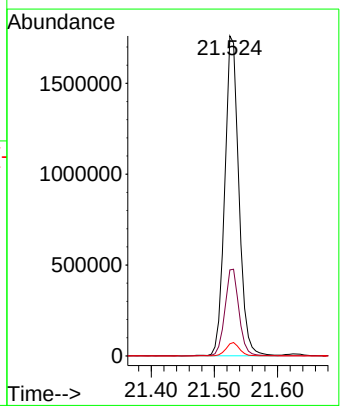


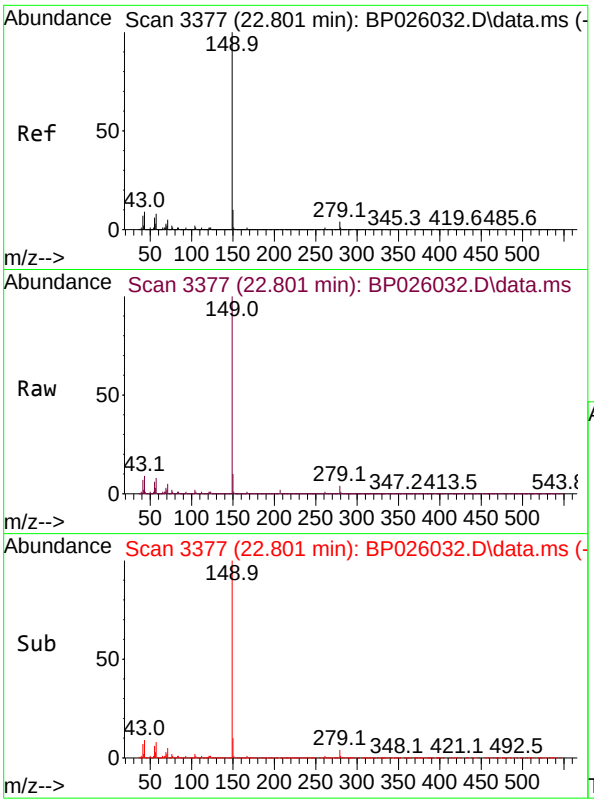


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.098 ng
RT: 21.524 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:149 Resp: 2729269

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.5	32.3
279	3.8	3.0	4.6



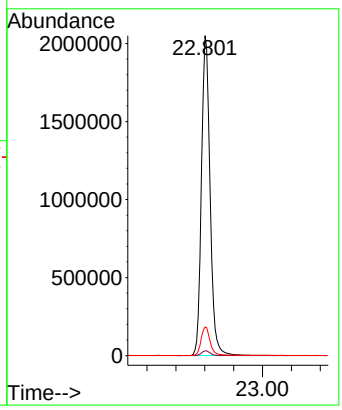


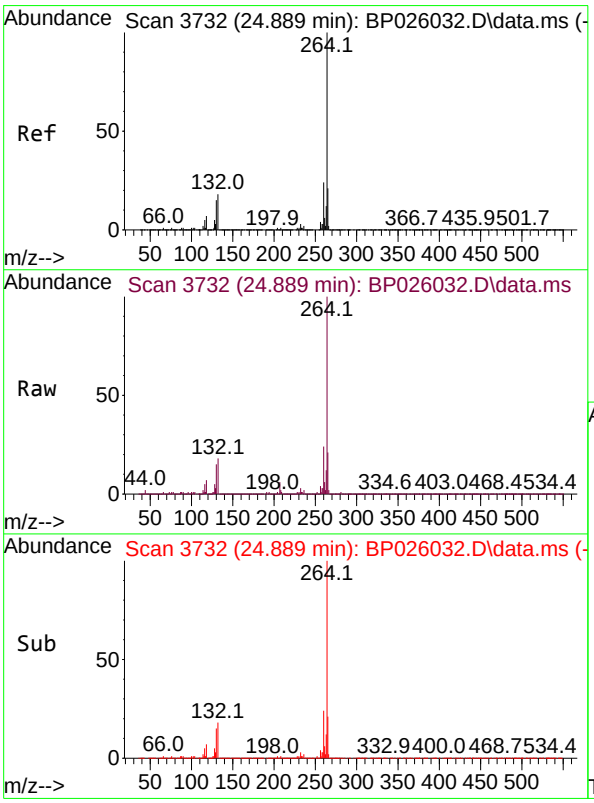
#85
Di-n-octyl phthalate
Concen: 43.233 ng
RT: 22.801 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 4237623

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.5	7.6	11.4

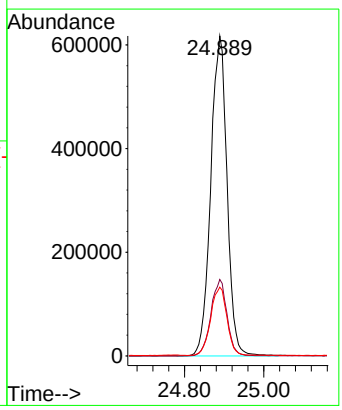


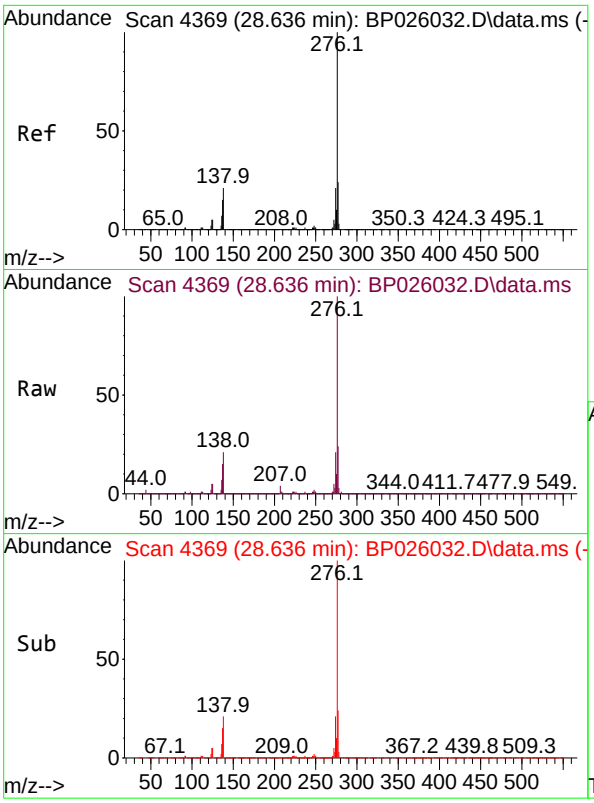


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:264 Resp: 1760712

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.5	17.2	25.8



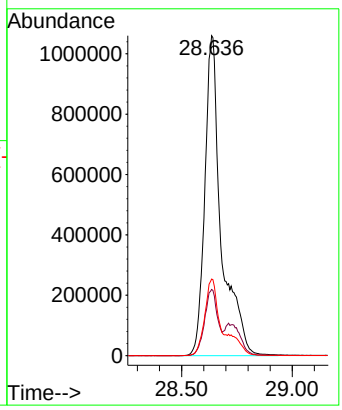


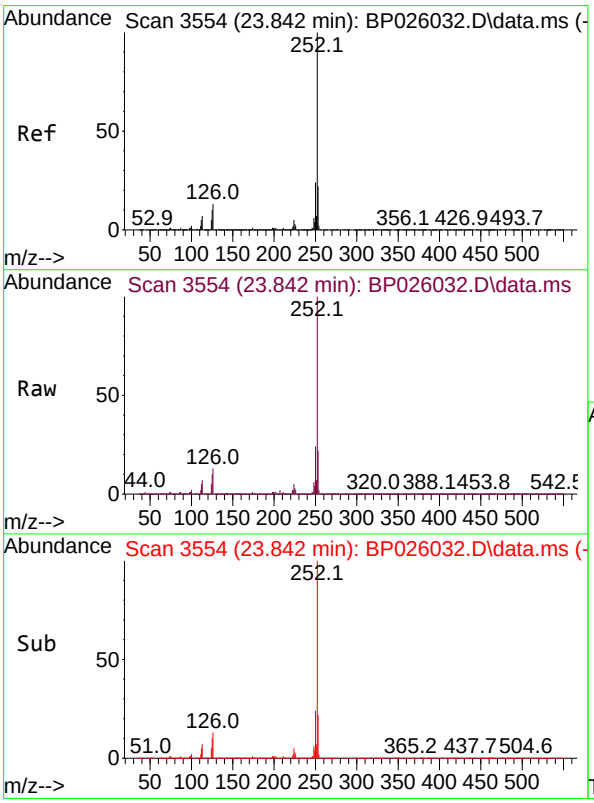
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.386 ng
RT: 28.636 min Scan# 4
Delta R.T. -0.023 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 5507457

Ion	Ratio	Lower	Upper
276	100		
138	16.5	13.2	19.8
277	20.4	16.3	24.5

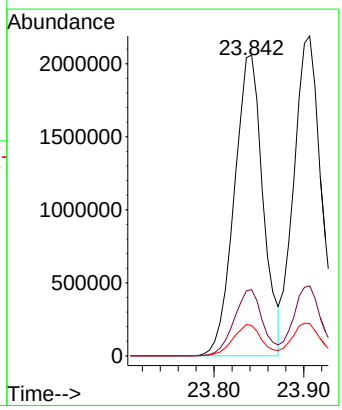


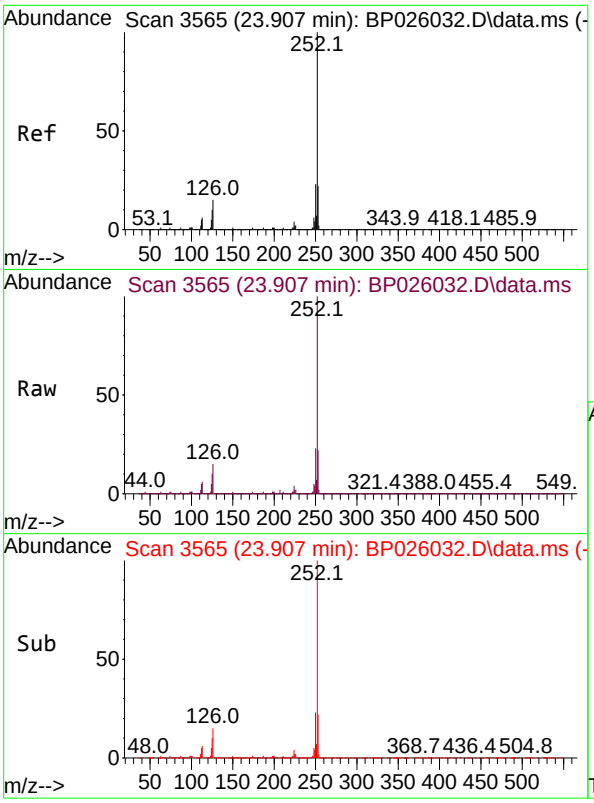


#88
Benzo(b)fluoranthene
Concen: 42.083 ng
RT: 23.842 min Scan# 3554
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:252 Resp: 4599800

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.1	8.1	12.1



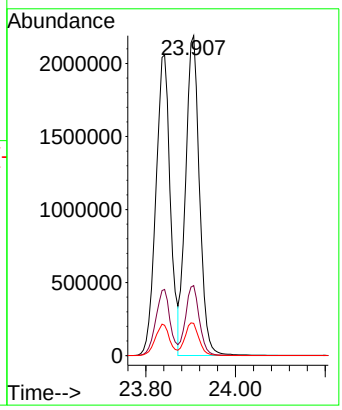


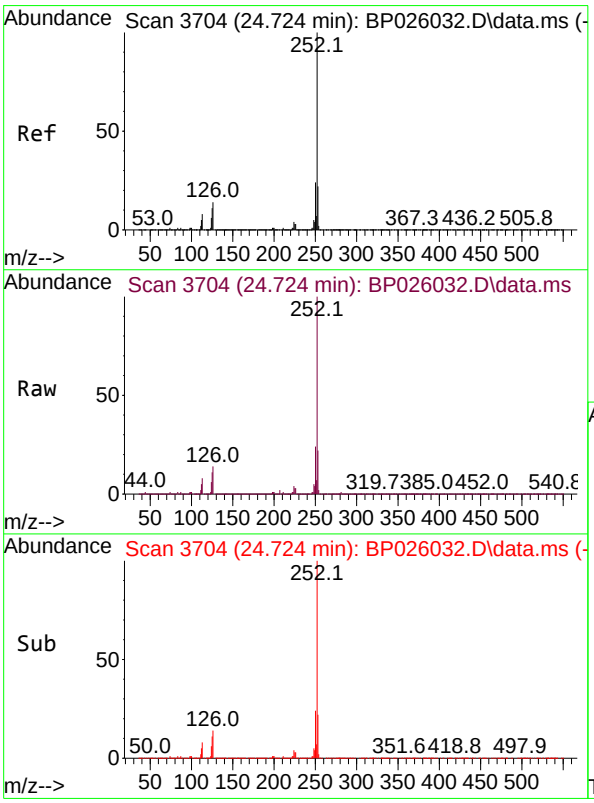
#89
Benzo(k)fluoranthene
Concen: 41.983 ng
RT: 23.907 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 4686005

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.1	8.1	12.1

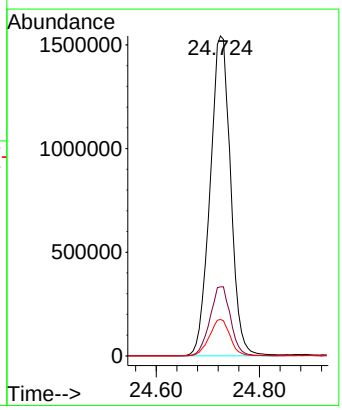


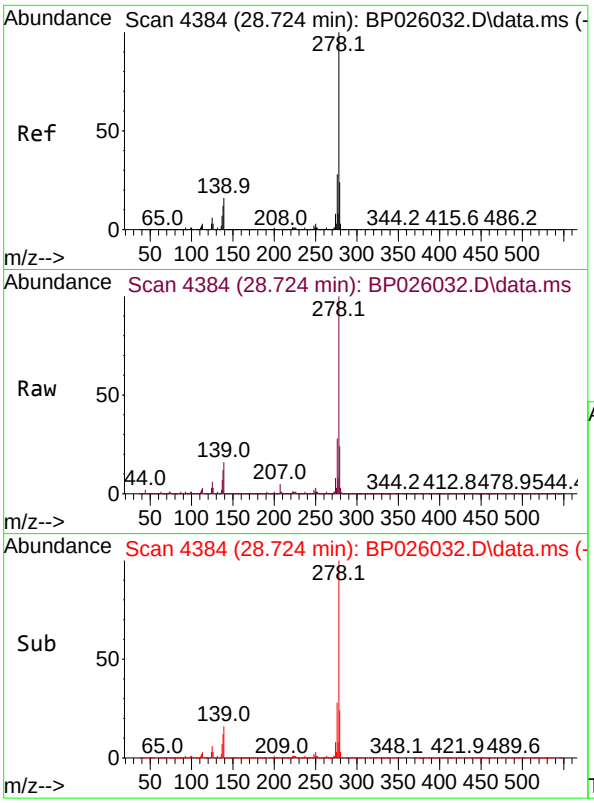


#90
Benzo(a)pyrene
Concen: 42.443 ng
RT: 24.724 min Scan# 3704
Delta R.T. -0.017 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:252 Resp: 4261972

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	11.4	9.1	13.7



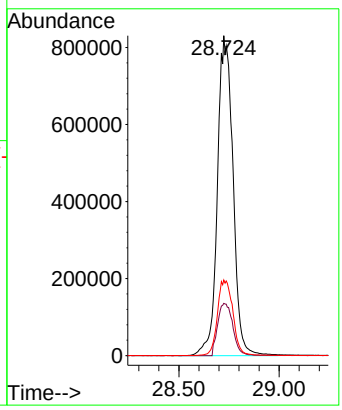


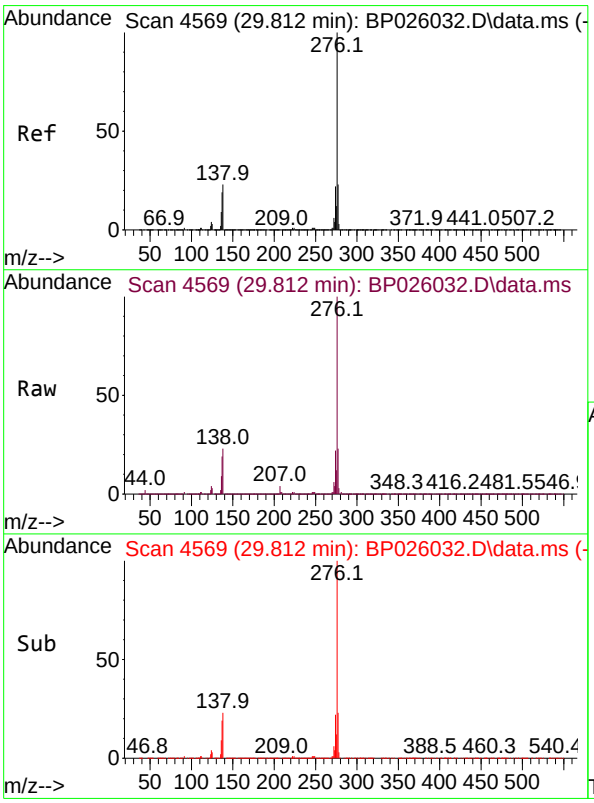
#91
Dibenzo(a,h)anthracene
Concen: 42.397 ng
RT: 28.724 min Scan# 4
Delta R.T. -0.023 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 4484851

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.0	19.6
279	23.6	18.9	28.3

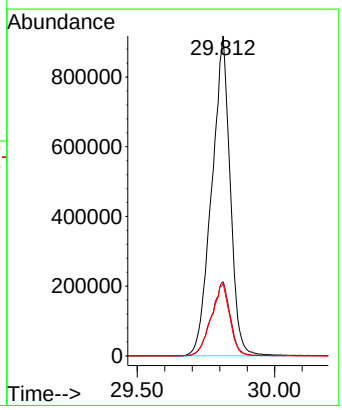




#92
Benzo(g,h,i)perylene
Concen: 41.915 ng
RT: 29.812 min Scan# 4569
Delta R.T. -0.017 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:276 Resp: 4266684

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.5	27.7
138	22.6	18.1	27.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026033.D
Acq On : 29 Oct 2025 12:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 18:08:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.690	152	349214	20.000	ng		0.00
21) Naphthalene-d8	10.449	136	1438966	20.000	ng		0.00
39) Acenaphthene-d10	14.325	164	904273	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1803155	20.000	ng		0.00
76) Chrysene-d12	21.566	240	1902632	20.000	ng		0.00
86) Perylene-d12	24.883	264	2091380	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	1961372	92.678	ng		0.00
7) Phenol-d6	6.855	99	2487382	92.341	ng		0.00
23) Nitrobenzene-d5	8.825	82	2201797	95.388	ng		0.00
42) 2,4,6-Tribromophenol	15.836	330	946601	96.828	ng		0.00
45) 2-Fluorobiphenyl	12.937	172	5564834	88.427	ng		0.00
79) Terphenyl-d14	19.866	244	8183730	87.388	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.237	88	395783	44.361	ng		99
3) Pyridine	3.625	79	1138611	44.894	ng		100
4) n-Nitrosodimethylamine	3.537	42	455456	44.806	ng		99
6) Aniline	7.019	93	1645368	45.768	ng		99
8) 2-Chlorophenol	7.255	128	1102018	47.024	ng		99
9) Benzaldehyde	6.837	77	584865	41.768	ng		98
10) Phenol	6.884	94	1369223	45.786	ng		99
11) bis(2-Chloroethyl)ether	7.119	93	1072428	45.441	ng		100
12) 1,3-Dichlorobenzene	7.578	146	1208921	44.919	ng		100
13) 1,4-Dichlorobenzene	7.719	146	1221221	44.879	ng		100
14) 1,2-Dichlorobenzene	8.037	146	1168413	44.998	ng		99
15) Benzyl Alcohol	7.919	79	890562	45.860	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1611516	45.181	ng		100
17) 2-Methylphenol	8.113	107	922978	47.134	ng		99
18) Hexachloroethane	8.755	117	427757	45.939	ng		98
19) n-Nitroso-di-n-propyla...	8.484	70	789416	47.211	ng		98
20) 3+4-Methylphenols	8.437	107	1248064	45.814	ng		99
22) Acetophenone	8.496	105	1638579	45.025	ng	#	98
24) Nitrobenzene	8.866	77	1139668	46.762	ng		100
25) Isophorone	9.390	82	2274125	46.029	ng		99
26) 2-Nitrophenol	9.572	139	447065	49.734	ng		97
27) 2,4-Dimethylphenol	9.631	122	966770	46.532	ng		98
28) bis(2-Chloroethoxy)met...	9.872	93	1423542	45.719	ng		99
29) 2,4-Dichlorophenol	10.096	162	1050277	47.877	ng		99
30) 1,2,4-Trichlorobenzene	10.319	180	1082702	45.408	ng		98
31) Naphthalene	10.501	128	3517083	44.821	ng		99
32) Benzoic acid	9.760	122	583423	46.816	ng		98
33) 4-Chloroaniline	10.607	127	1380084	45.768	ng		99
34) Hexachlorobutadiene	10.801	225	683383	45.101	ng		99
35) Caprolactam	11.372	113	356316	46.253	ng		95
36) 4-Chloro-3-methylphenol	11.725	107	1091555	47.466	ng		99
37) 2-Methylnaphthalene	12.113	142	2496690	45.460	ng		99
38) 1-Methylnaphthalene	12.343	142	2384802	44.696	ng		98
40) 1,2,4,5-Tetrachloroben...	12.490	216	1276225	45.422	ng		99
41) Hexachlorocyclopentadiene	12.478	237	492338	47.892	ng		97
43) 2,4,6-Trichlorophenol	12.725	196	814315	49.033	ng		100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026033.D
Acq On : 29 Oct 2025 12:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 18:08:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.801	196	915816	48.327 ng		98
46) 1,1'-Biphenyl	13.143	154	3114348	44.979 ng		99
47) 2-Chloronaphthalene	13.184	162	2465203	45.251 ng		99
48) 2-Nitroaniline	13.378	65	626496	45.673 ng		100
49) Acenaphthylene	14.037	152	3657970	46.069 ng		99
50) Dimethylphthalate	13.772	163	2990506	45.465 ng		100
51) 2,6-Dinitrotoluene	13.884	165	554294	45.947 ng		100
52) Acenaphthene	14.389	154	2461012	45.148 ng		100
53) 3-Nitroaniline	14.213	138	666202	45.125 ng		98
54) 2,4-Dinitrophenol	14.413	184	217265	46.408 ng	#	85
55) Dibenzofuran	14.725	168	3647999	44.295 ng		98
56) 4-Nitrophenol	14.519	139	583197	44.465 ng		99
57) 2,4-Dinitrotoluene	14.684	165	812960	46.376 ng		96
58) Fluorene	15.395	166	2848597	44.149 ng		100
59) 2,3,4,6-Tetrachlorophenol	14.960	232	741007	49.733 ng		100
60) Diethylphthalate	15.178	149	3052331	46.159 ng		99
61) 4-Chlorophenyl-phenyle...	15.389	204	1408511	43.714 ng		99
62) 4-Nitroaniline	15.401	138	673347	47.907 ng		100
63) Azobenzene	15.695	77	2685827	44.816 ng		98
65) 4,6-Dinitro-2-methylph...	15.460	198	336876	46.617 ng		94
66) n-Nitrosodiphenylamine	15.613	169	2556770	45.350 ng		100
67) 4-Bromophenyl-phenylether	16.307	248	918587	45.926 ng		99
68) Hexachlorobenzene	16.419	284	1017148	44.671 ng		98
69) Atrazine	16.583	200	868165	45.648 ng		98
70) Pentachlorophenol	16.766	266	667717	48.009 ng		100
71) Phenanthrene	17.172	178	4646242	44.270 ng		100
72) Anthracene	17.266	178	4704548	45.221 ng		100
73) Carbazole	17.542	167	4367887	44.353 ng		99
74) Di-n-butylphthalate	18.160	149	5391627	48.928 ng		100
75) Fluoranthene	19.260	202	5518479	45.075 ng		99
77) Benzidine	19.460	184	2144466	44.405 ng		100
78) Pyrene	19.636	202	5789133	44.987 ng		99
80) Butylbenzylphthalate	20.607	149	2226346	46.457 ng		99
81) Benzo(a)anthracene	21.548	228	5824139	44.546 ng		99
82) 3,3'-Dichlorobenzidine	21.477	252	1980734	47.020 ng		99
83) Chrysene	21.619	228	5558878	44.884 ng		100
84) Bis(2-ethylhexyl)phtha...	21.524	149	3652585	47.172 ng		98
85) Di-n-octyl phthalate	22.807	149	5887832	51.985 ng		99
87) Indeno(1,2,3-cd)pyrene	28.659	276	7169922m	46.456 ng		
88) Benzo(b)fluoranthene	23.854	252	6008578	46.280 ng		100
89) Benzo(k)fluoranthene	23.924	252	5963953	44.984 ng		100
90) Benzo(a)pyrene	24.742	252	5510203	46.197 ng		99
91) Dibenzo(a,h)anthracene	28.753	278	5841467	46.490 ng		99
92) Benzo(g,h,i)perylene	29.812	276	5581541	46.163 ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026033.D
Acq On : 29 Oct 2025 12:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 18:08:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
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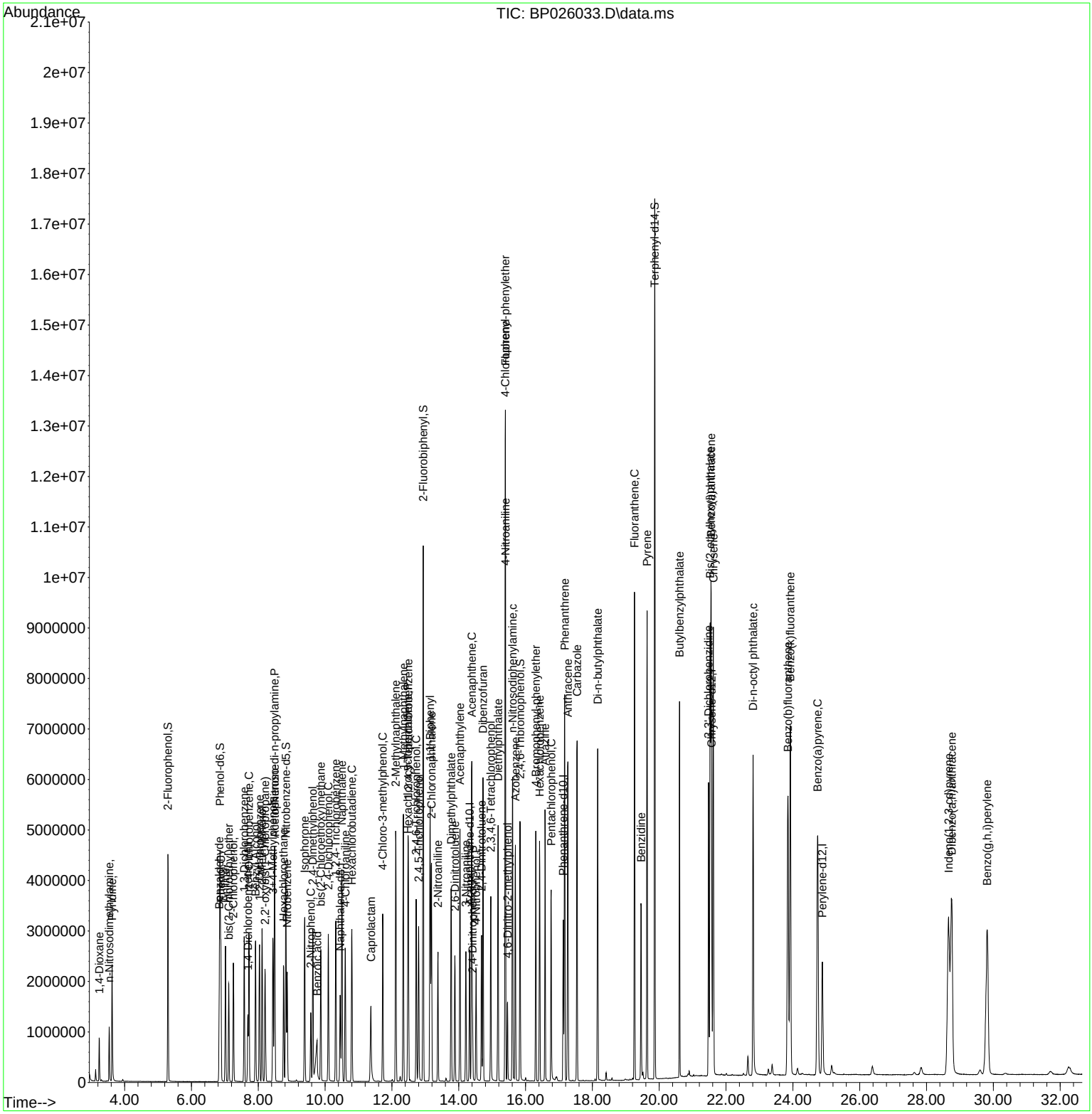
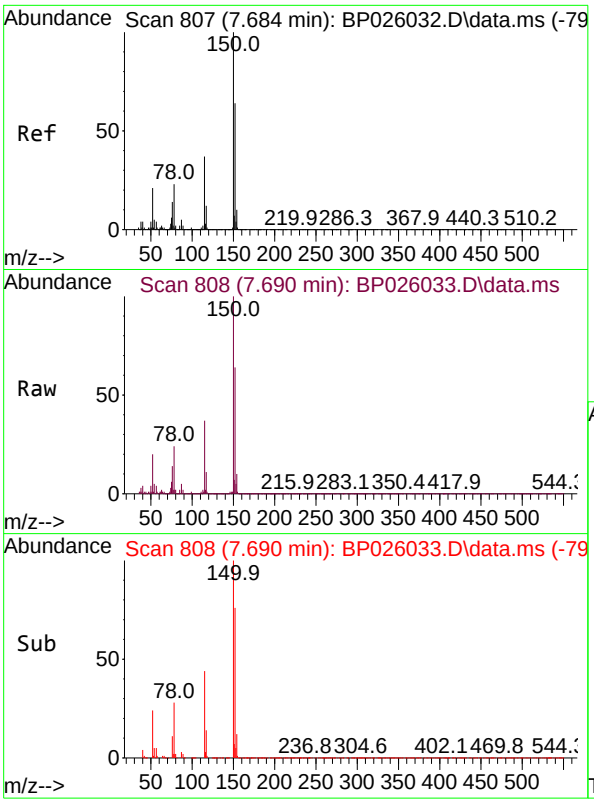
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.690 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

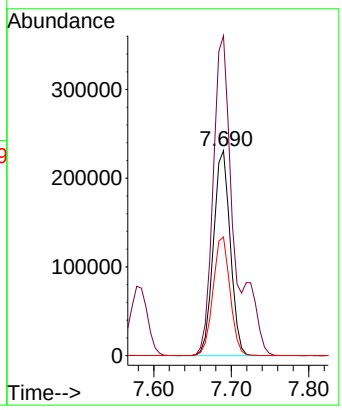
Tgt Ion:152 Resp: 34921

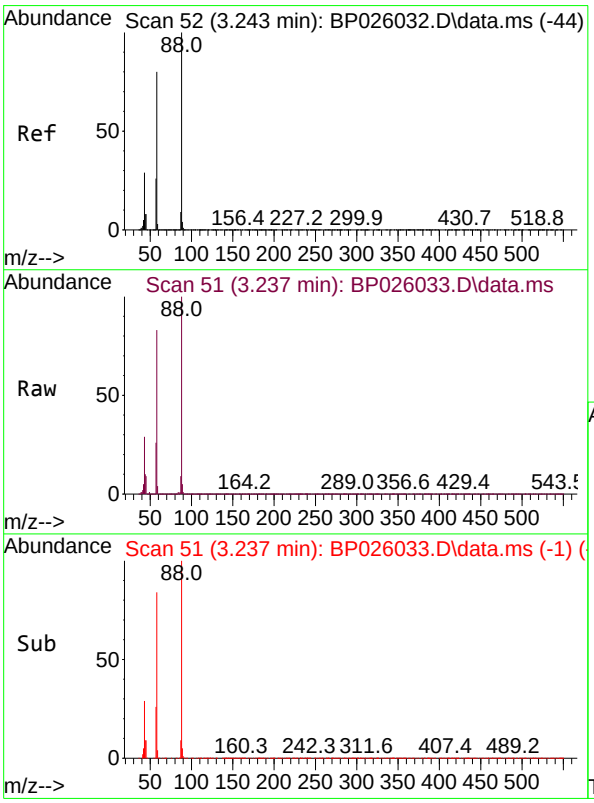
Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.7	188.5
115	57.8	46.4	69.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

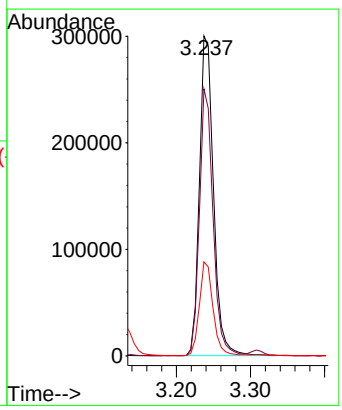


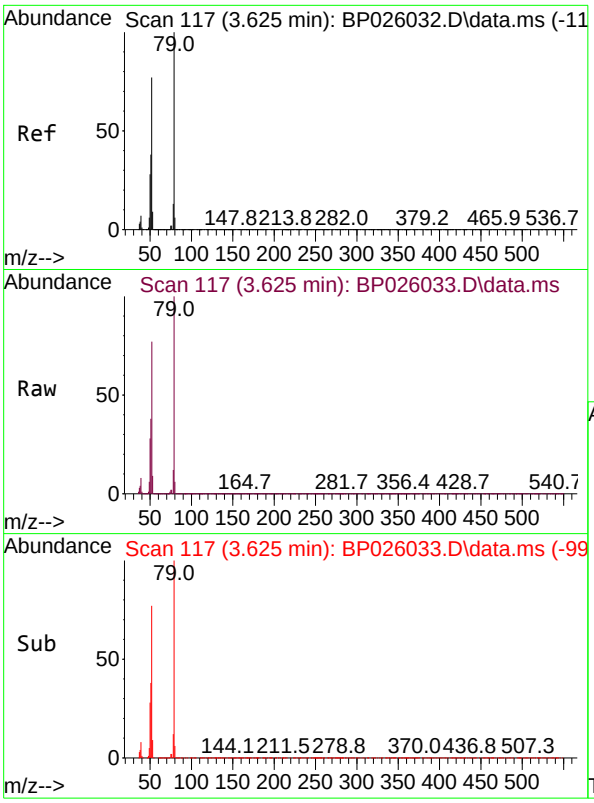


#2
1,4-Dioxane
Concen: 44.361 ng
RT: 3.237 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 88 Resp: 395783

Ion	Ratio	Lower	Upper
88	100		
58	80.9	65.4	98.0
43	29.0	23.1	34.7





#3
Pyridine
Concen: 44.894 ng
RT: 3.625 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 79 Resp: 113861

Ion	Ratio	Lower	Upper
79	100		
52	77.3	62.0	93.0
51	37.8	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

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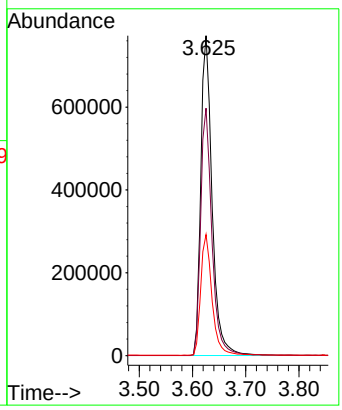
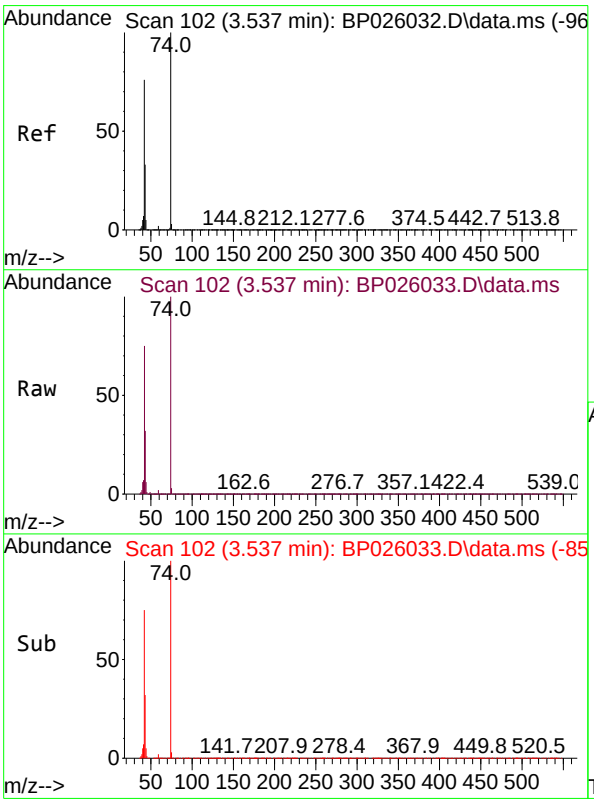
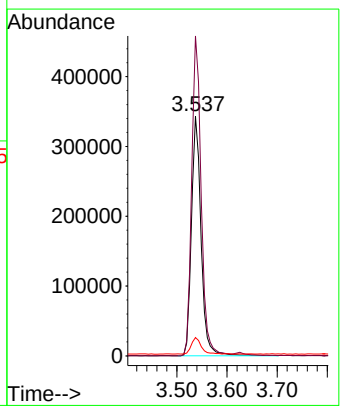


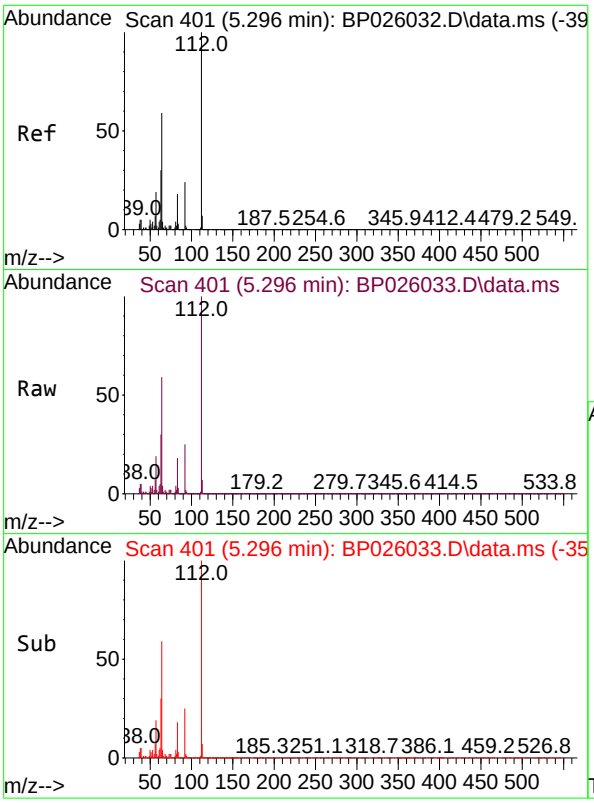


#4
n-Nitrosodimethylamine
Concen: 44.806 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 42 Resp: 455456

Ion	Ratio	Lower	Upper
42	100		
74	133.5	105.7	158.5
44	7.7	6.6	9.8





#5
2-Fluorophenol
Concen: 92.678 ng
RT: 5.296 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

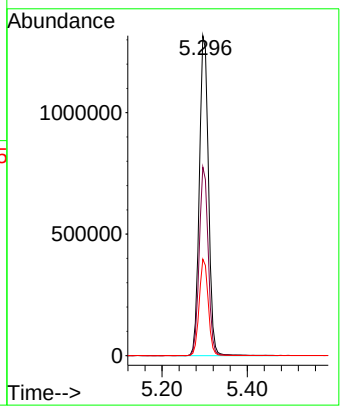
Tgt Ion:112 Resp: 196137

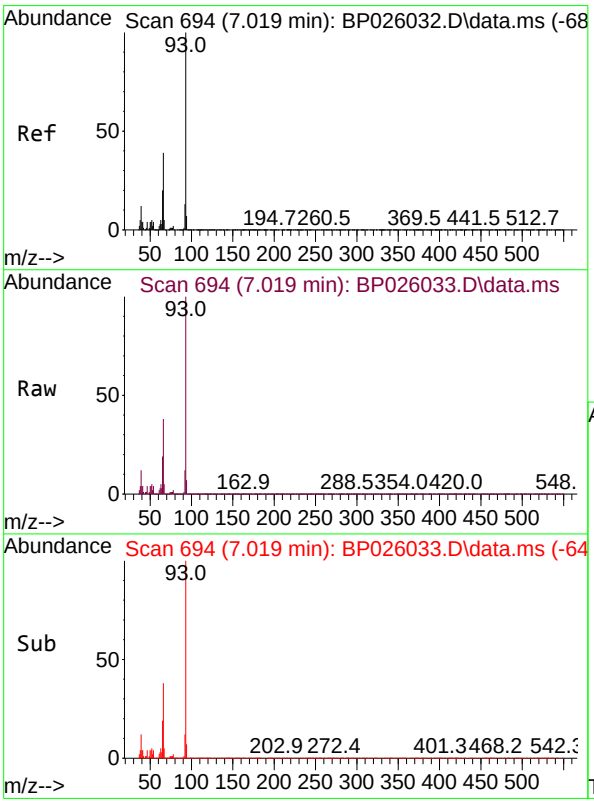
Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.4	71.2
63	30.1	24.2	36.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

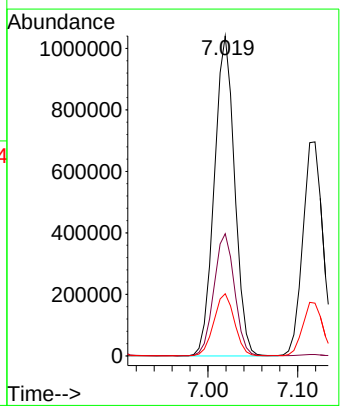


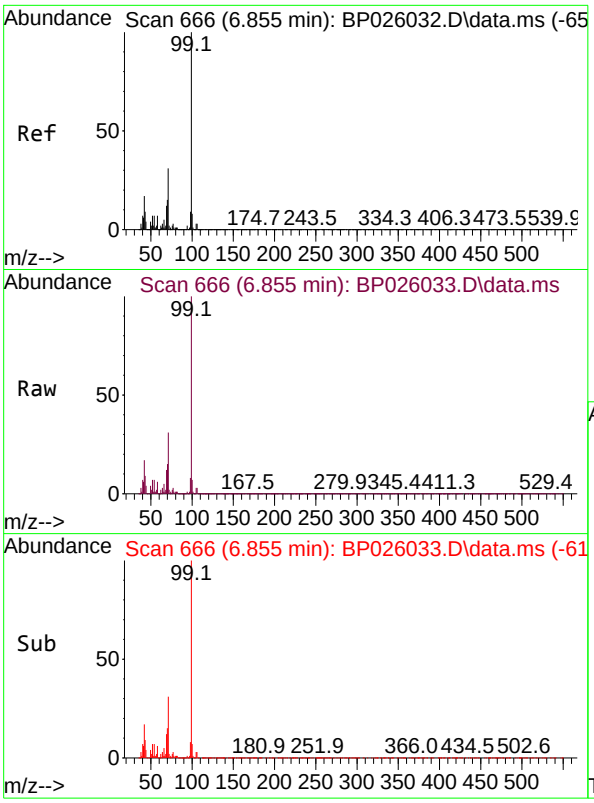


#6
Aniline
Concen: 45.768 ng
RT: 7.019 min Scan# 694
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 93 Resp: 1645368

Ion	Ratio	Lower	Upper
93	100		
66	38.2	31.2	46.8
65	19.4	16.1	24.1





#7
Phenol-d6
Concen: 92.341 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

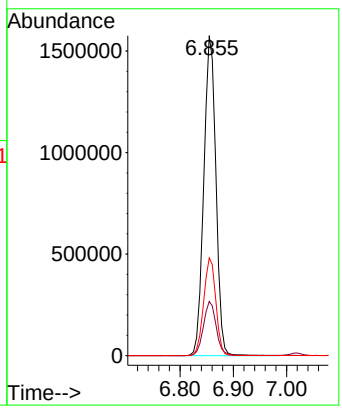
Tgt Ion: 99 Resp: 248738

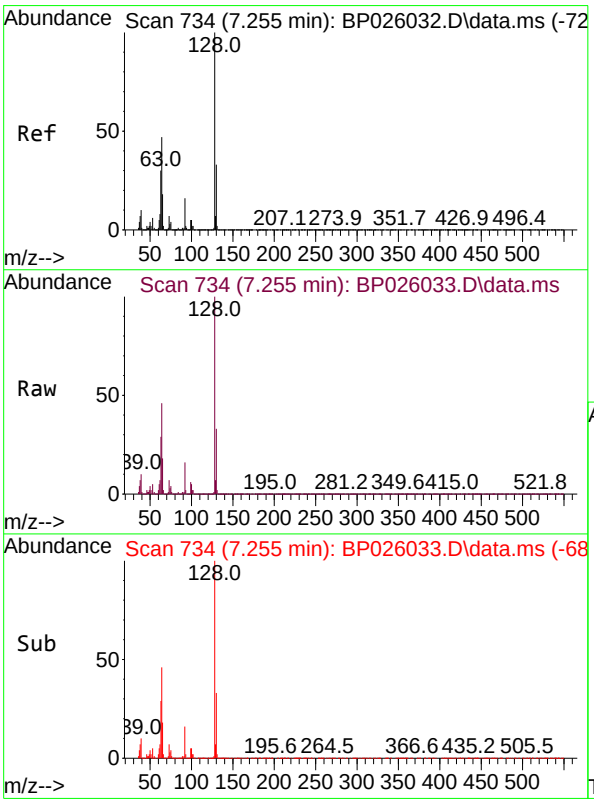
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.7	20.5
71	30.5	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

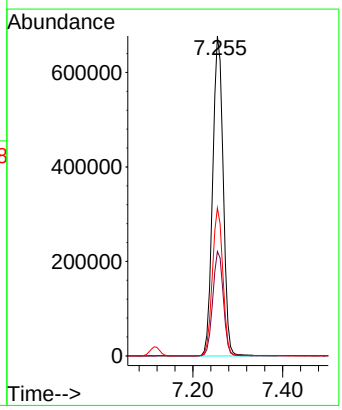


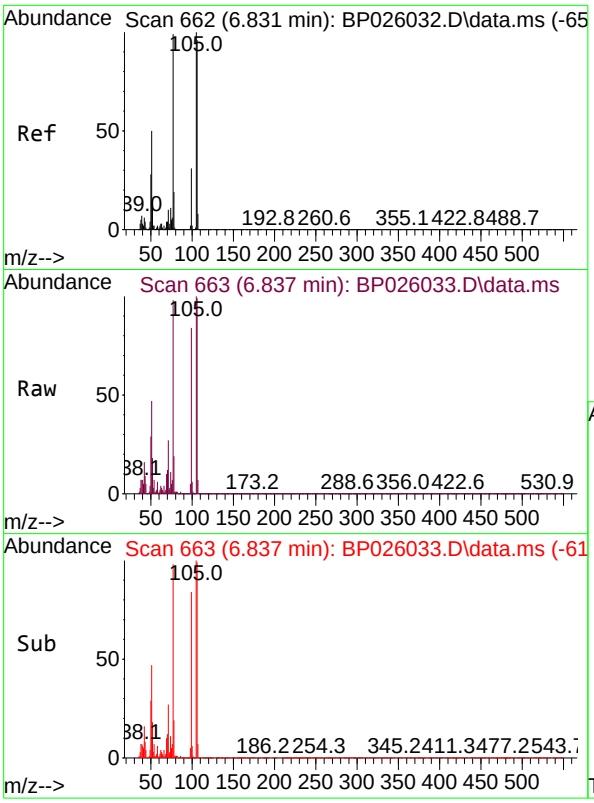


#8
2-Chlorophenol
Concen: 47.024 ng
RT: 7.255 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:128 Resp: 1102018

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	46.2	27.4	67.4





#9
Benzaldehyde
Concen: 41.768 ng
RT: 6.837 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 77 Resp: 58486

Ion	Ratio	Lower	Upper
77	100		
105	101.6	80.7	120.7
106	100.0	76.5	116.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

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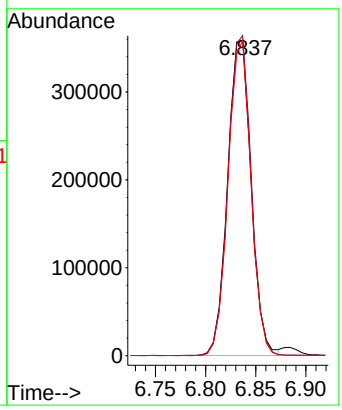
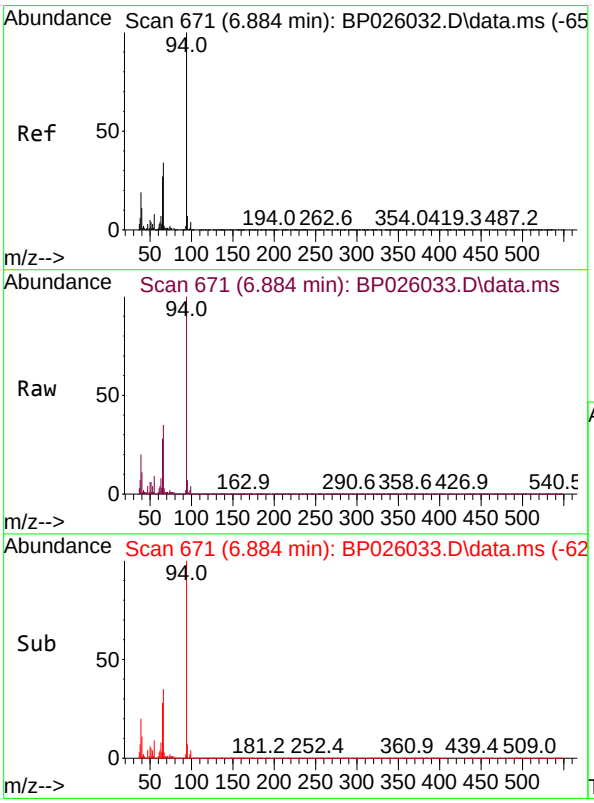
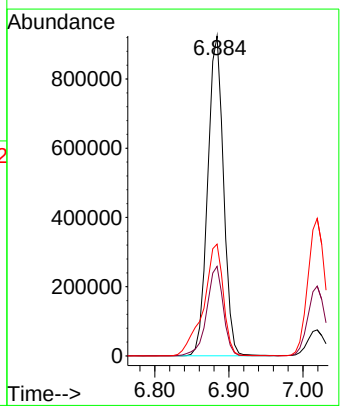


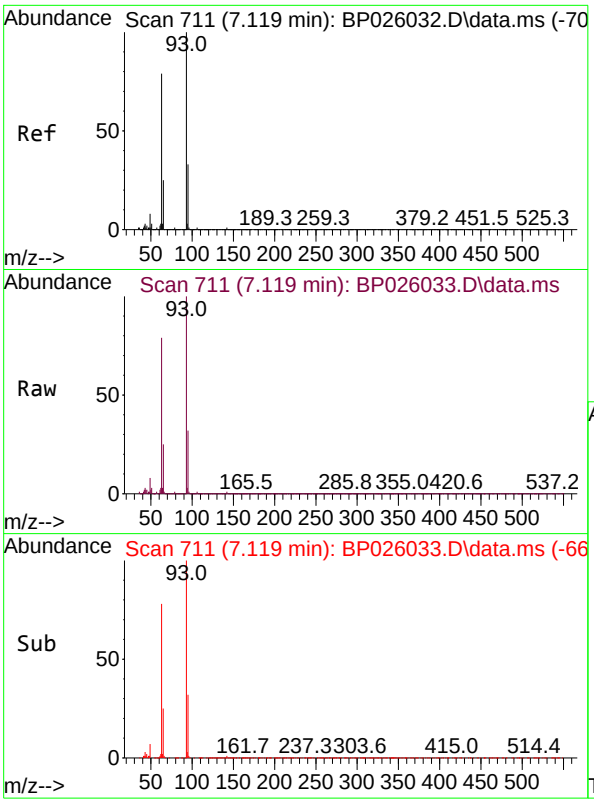


#10
Phenol
Concen: 45.786 ng
RT: 6.884 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 94 Resp: 1369223

Ion	Ratio	Lower	Upper
94	100		
65	28.0	7.1	47.1
66	34.9	14.4	54.4





#11
bis(2-Chloroethyl)ether
Concen: 45.441 ng
RT: 7.119 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 93 Resp: 107242

Ion	Ratio	Lower	Upper
93	100		
63	79.0	59.1	99.1
95	32.4	12.6	52.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

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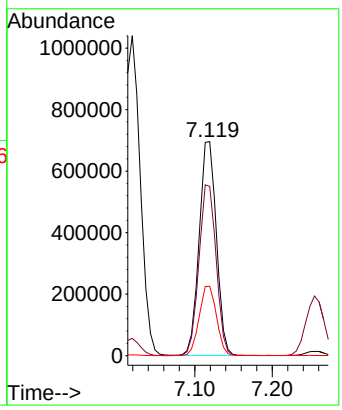
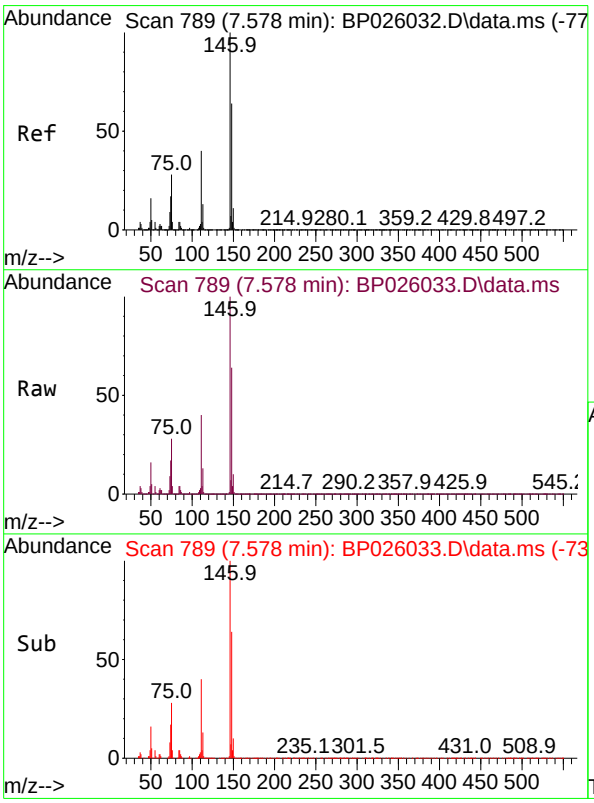
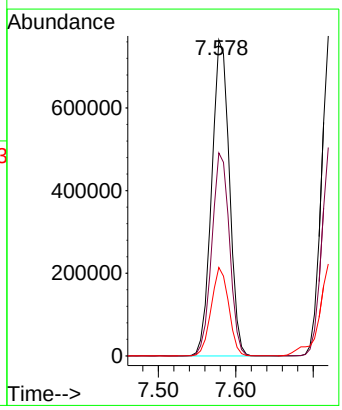


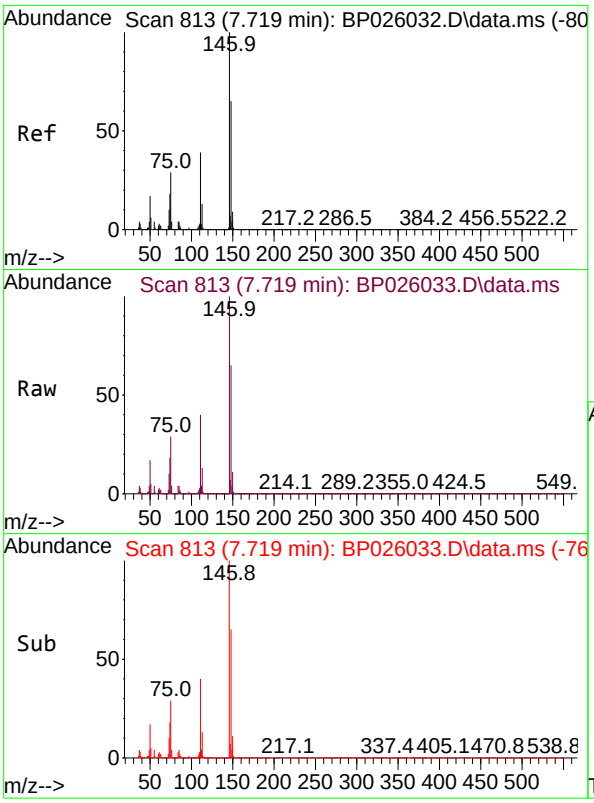


#12
1,3-Dichlorobenzene
Concen: 44.919 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:146 Resp: 1208921

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.6	77.4
75	28.0	22.6	33.8





#13
1,4-Dichlorobenzene
Concen: 44.879 ng
RT: 7.719 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:146 Resp: 122122

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.2	78.2
111	39.7	31.3	46.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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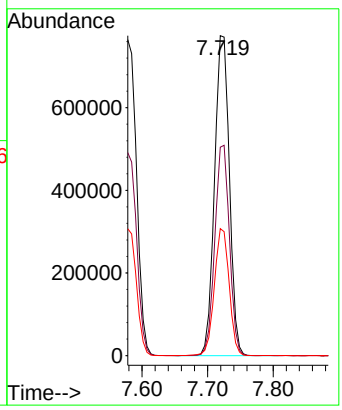
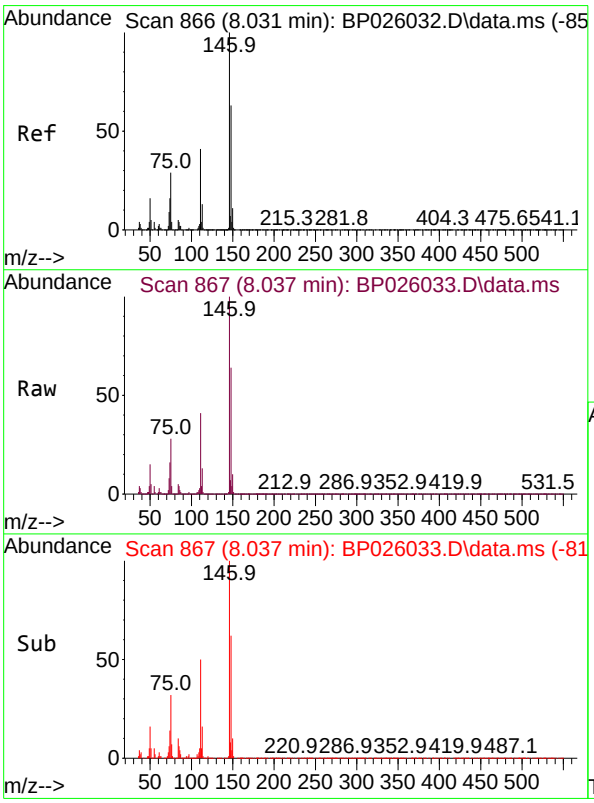
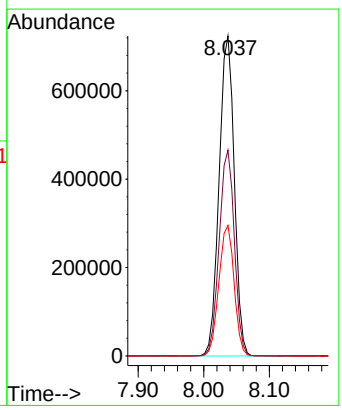


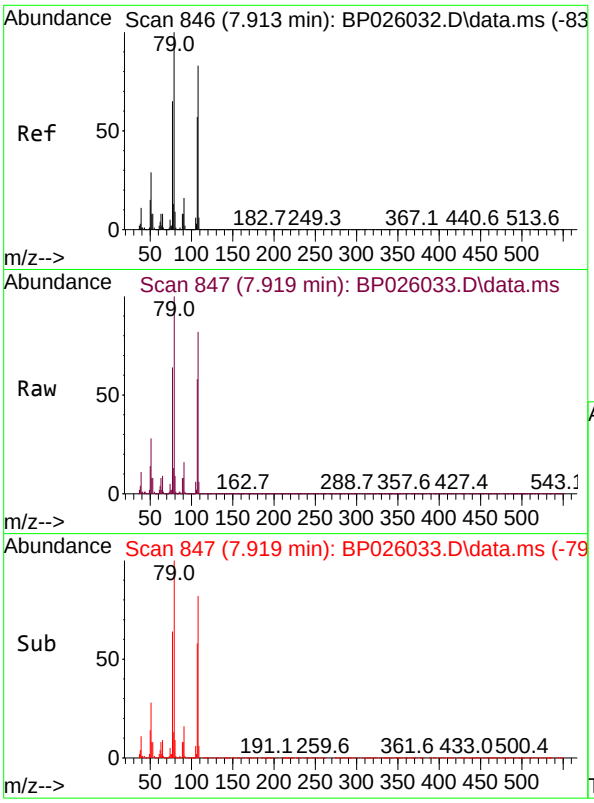


#14
1,2-Dichlorobenzene
Concen: 44.998 ng
RT: 8.037 min Scan# 867
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:146 Resp: 1168413

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.8	76.2
111	40.8	33.0	49.4





#15
Benzyl Alcohol
Concen: 45.860 ng
RT: 7.919 min Scan# 84
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 79 Resp: 89056

Ion	Ratio	Lower	Upper
79	100		
108	82.4	66.0	99.0
77	63.9	52.3	78.5

Instrument :
BNA_P
ClientSampleId :
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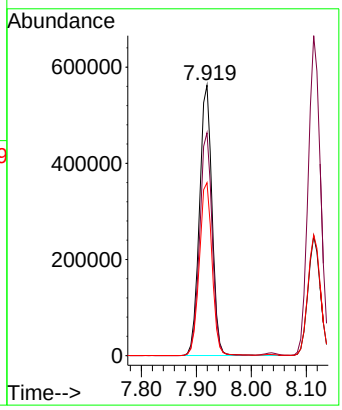
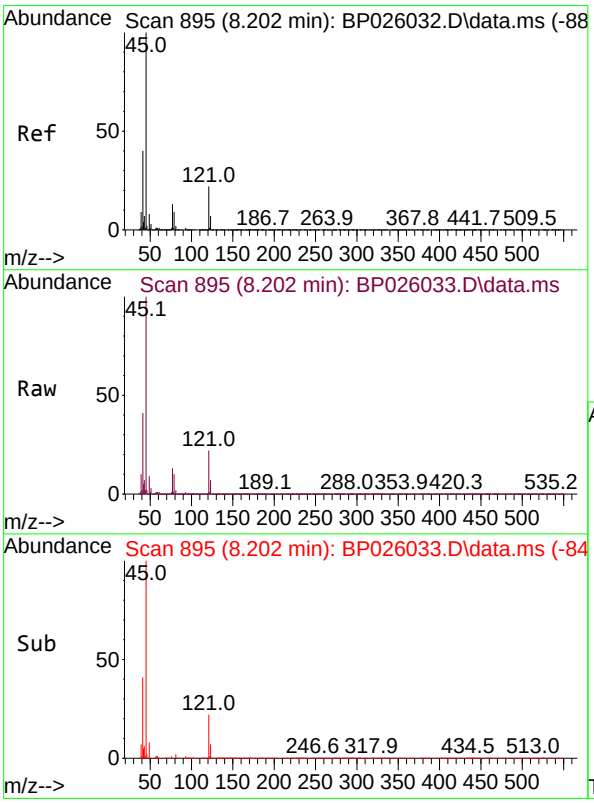
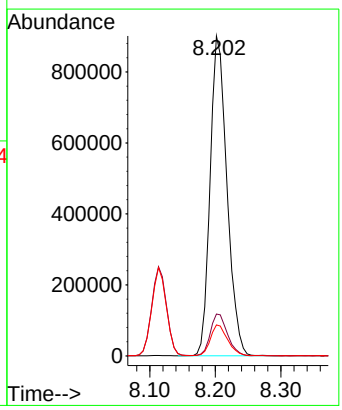


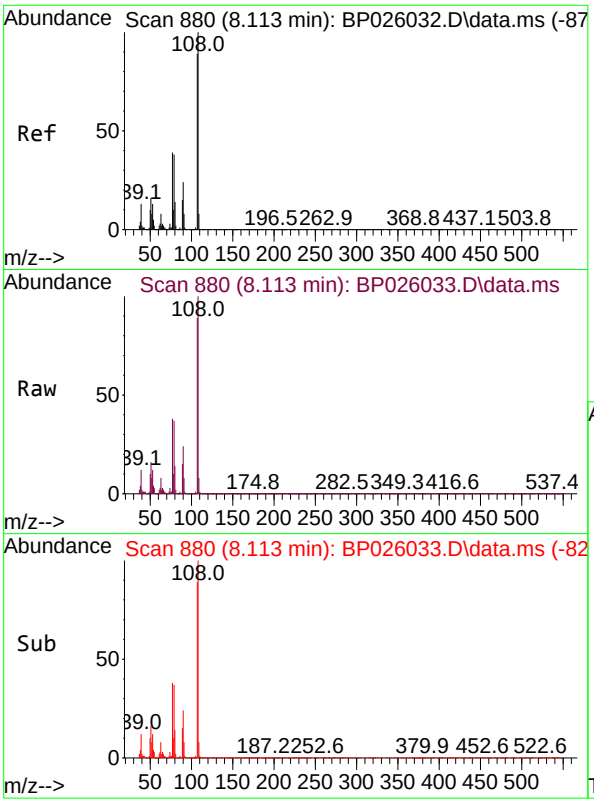


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.181 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 45 Resp: 1611516

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	33.2
79	9.7	0.0	29.5

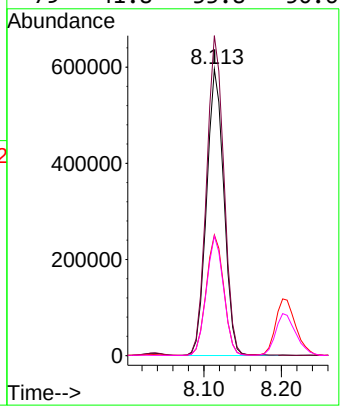




#17
2-Methylphenol
Concen: 47.134 ng
RT: 8.113 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:107 Resp: 922978

Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.8	134.8
77	42.2	34.8	52.2
79	41.8	33.8	50.6



Instrument :
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ClientSampleId :
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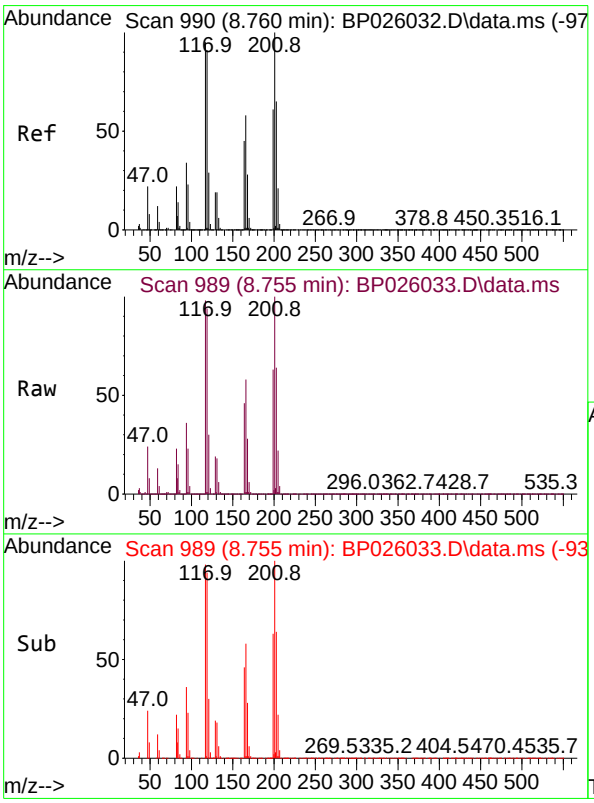
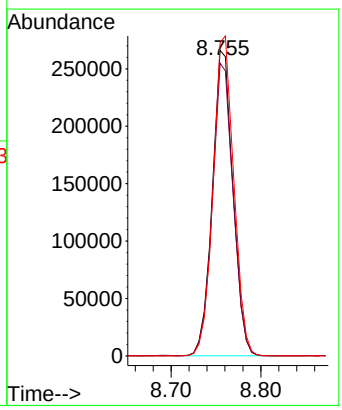
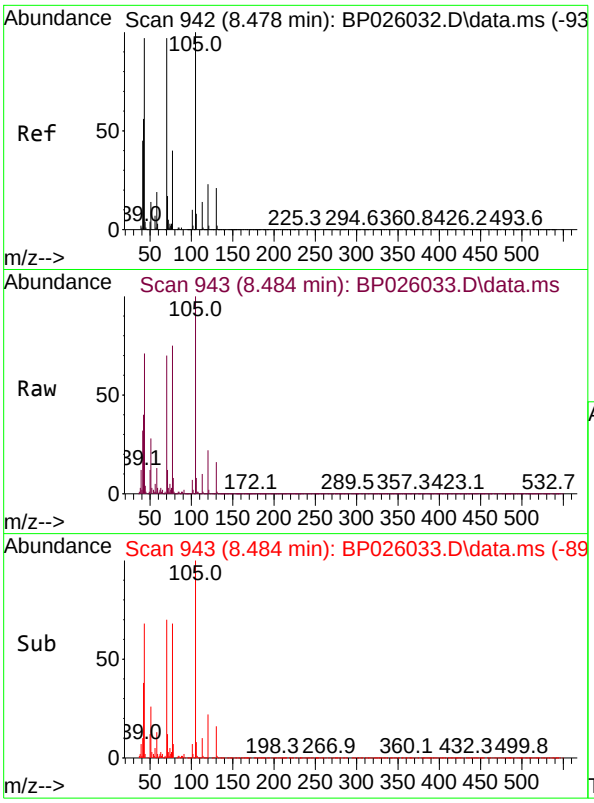


#18
Hexachloroethane
Concen: 45.939 ng
RT: 8.755 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:117 Resp: 427757

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.5	114.7
201	102.5	84.2	126.4

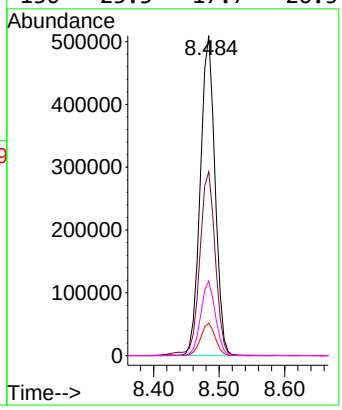




#19
n-Nitroso-di-n-propylamine
Concen: 47.211 ng
RT: 8.484 min Scan# 94
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 70 Resp: 789416

Ion	Ratio	Lower	Upper
70	100		
42	57.5	47.2	70.8
101	10.2	8.2	12.2
130	23.3	17.7	26.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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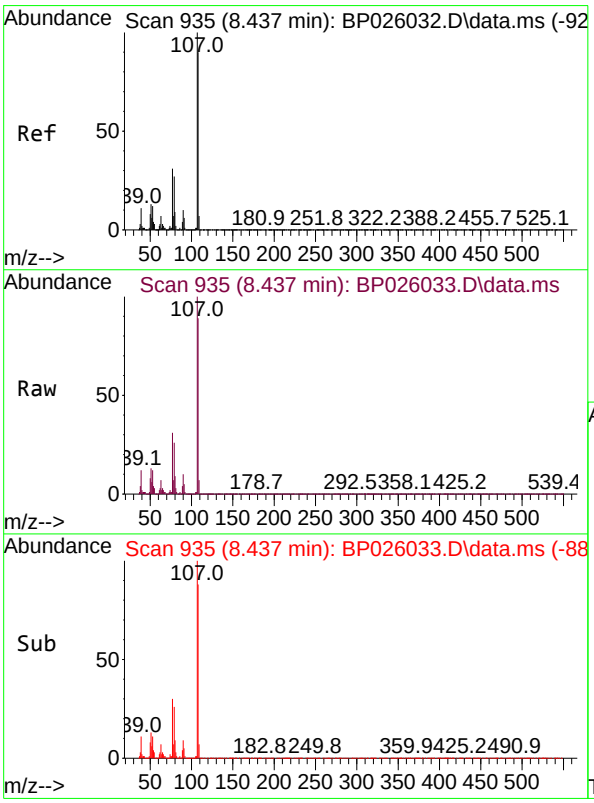
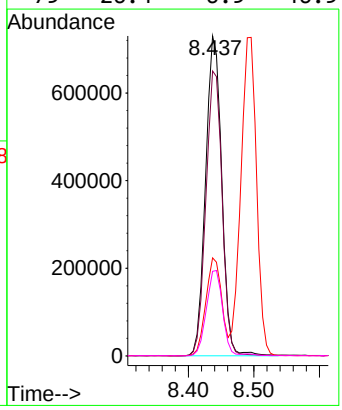
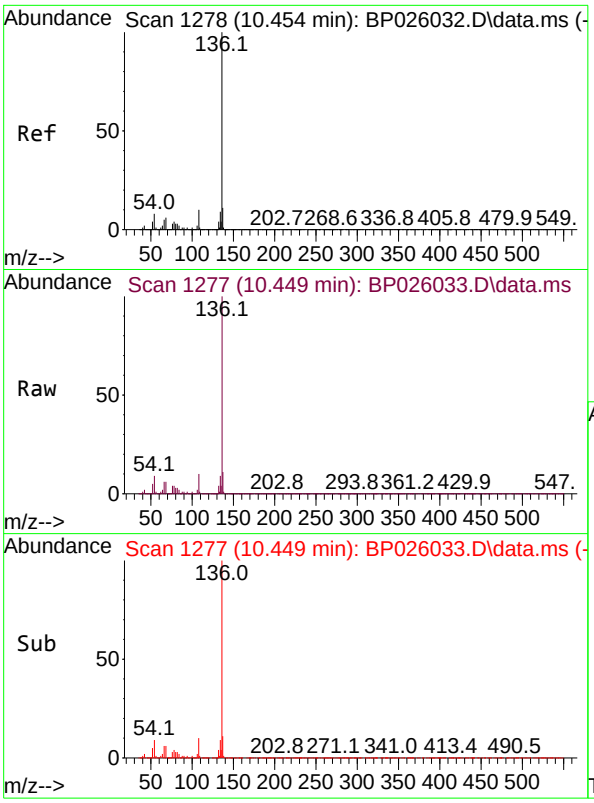


#20
3+4-Methylphenols
Concen: 45.814 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:107 Resp: 1248064

Ion	Ratio	Lower	Upper
107	100		
108	89.0	70.1	110.1
77	30.6	10.7	50.7
79	26.4	6.9	46.9

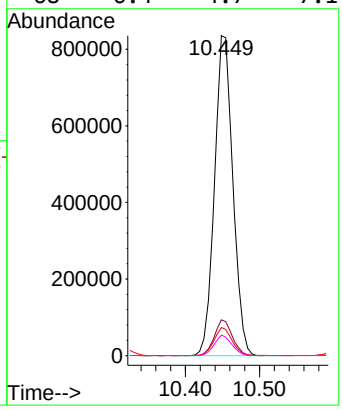




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:136 Resp: 1438966

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.8	6.6	10.0
68	6.4	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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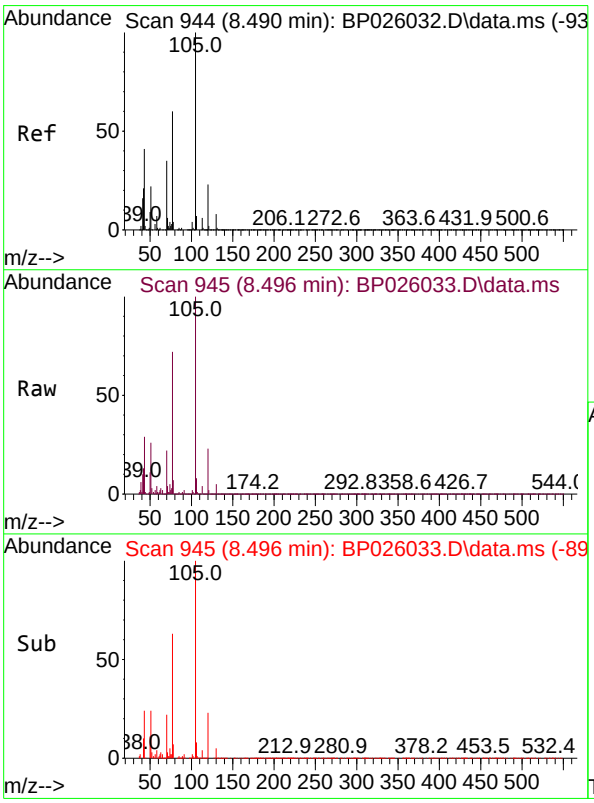
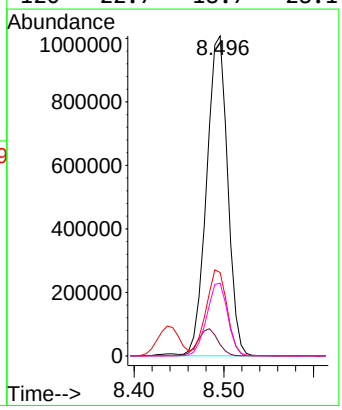
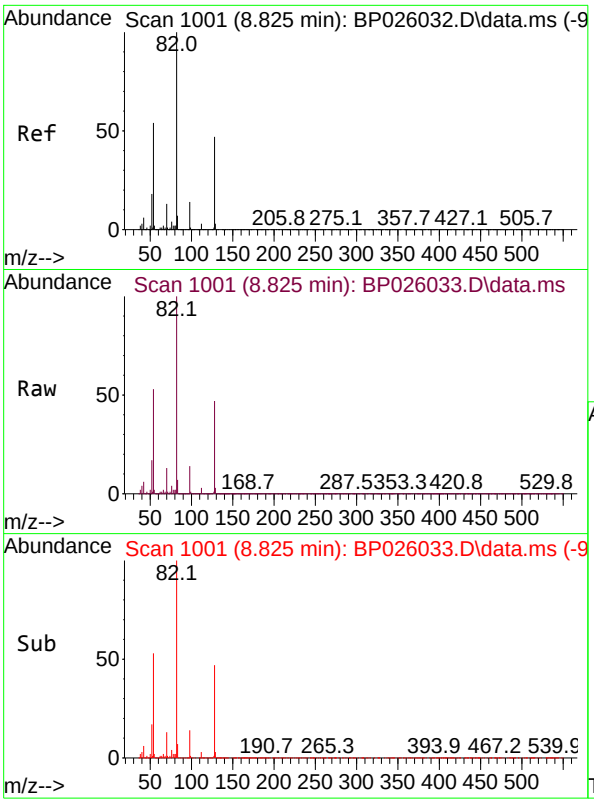


#22
Acetophenone
Concen: 45.025 ng
RT: 8.496 min Scan# 945
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:105 Resp: 1638579

Ion	Ratio	Lower	Upper
105	100		
71	3.5	4.7	7.1#
51	26.1	21.8	32.8
120	22.7	18.7	28.1





#23
Nitrobenzene-d5
Concen: 95.388 ng
RT: 8.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 82 Resp: 220179

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.4	56.0
54	52.9	42.7	64.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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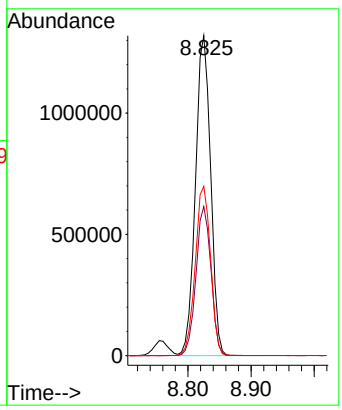
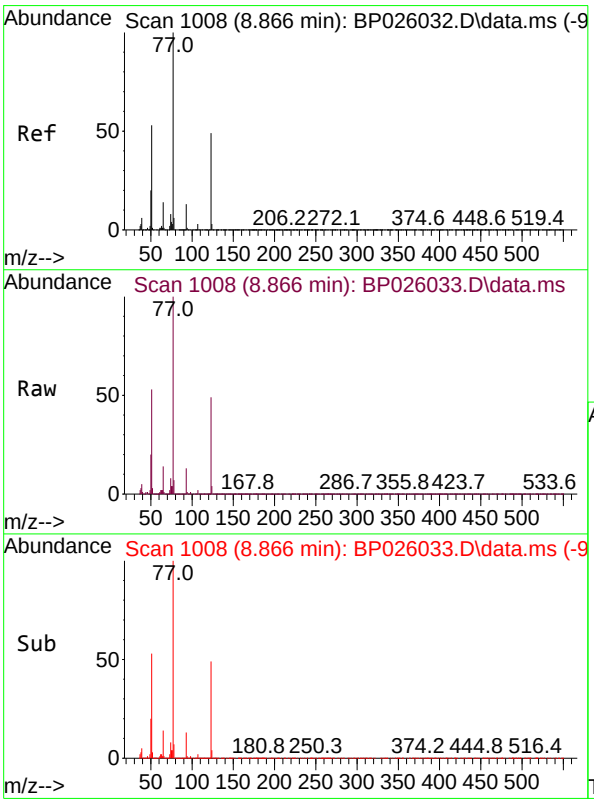
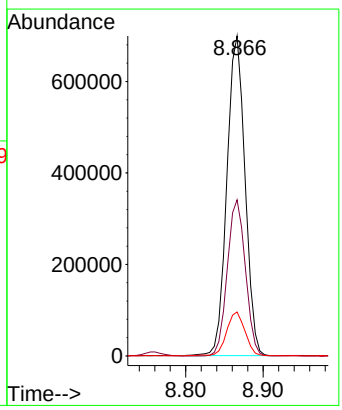


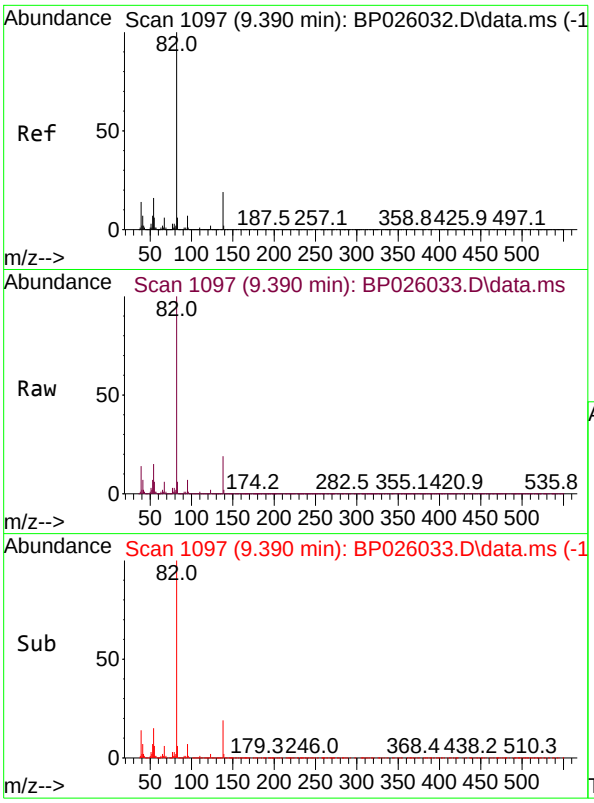


#24
Nitrobenzene
Concen: 46.762 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 77 Resp: 1139668

Ion	Ratio	Lower	Upper
77	100		
123	48.8	39.0	58.4
65	13.7	10.9	16.3





#25
Isophorone
Concen: 46.029 ng
RT: 9.390 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 82 Resp: 227412

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	19.2	15.0	22.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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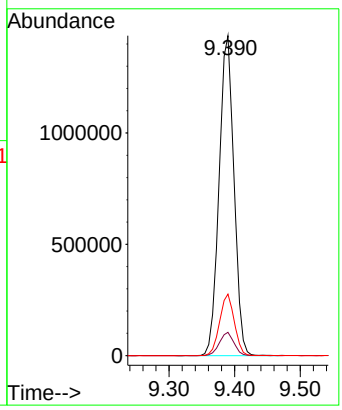
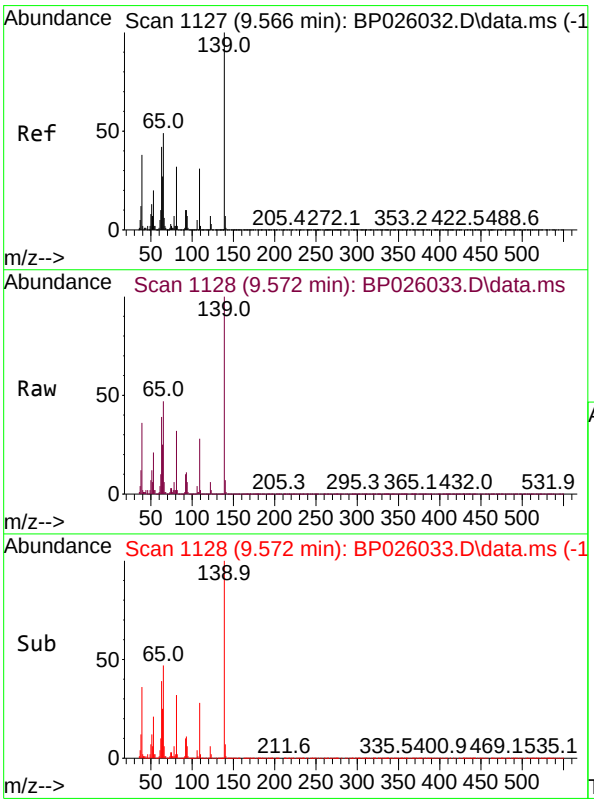
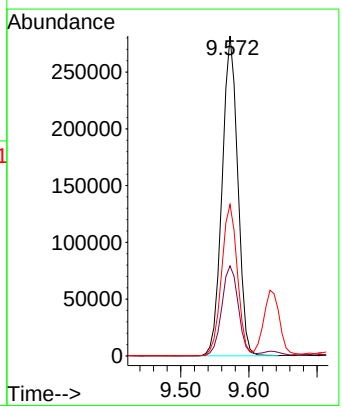


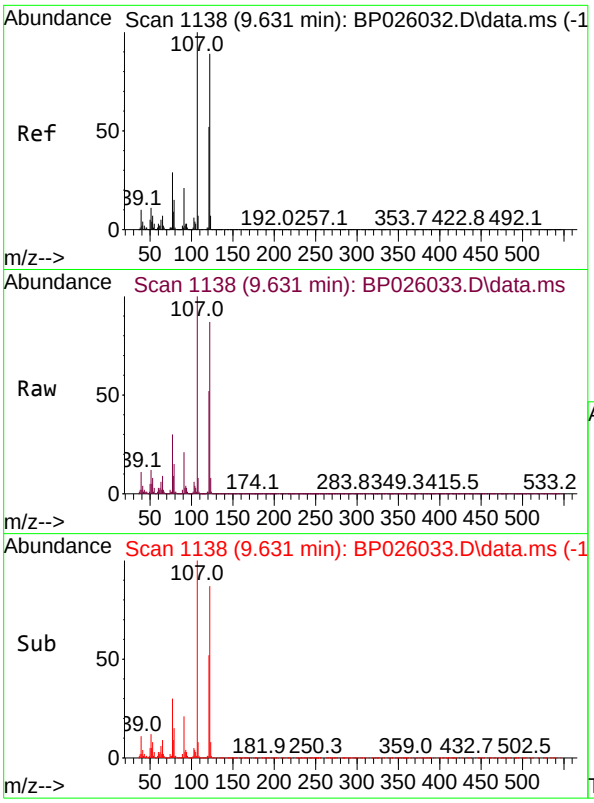


#26
2-Nitrophenol
Concen: 49.734 ng
RT: 9.572 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:139 Resp: 447065

Ion	Ratio	Lower	Upper
139	100		
109	28.1	24.8	37.2
65	47.3	39.0	58.4





#27
2,4-Dimethylphenol
Concen: 46.532 ng
RT: 9.631 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:122 Resp: 966770

Ion	Ratio	Lower	Upper
122	100		
107	114.4	89.2	133.8
121	59.2	46.3	69.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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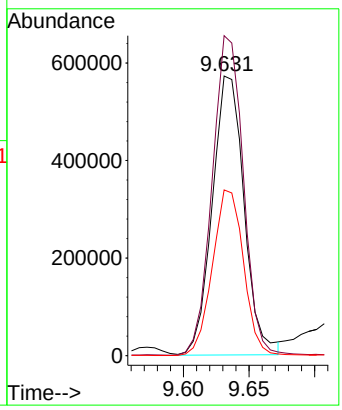
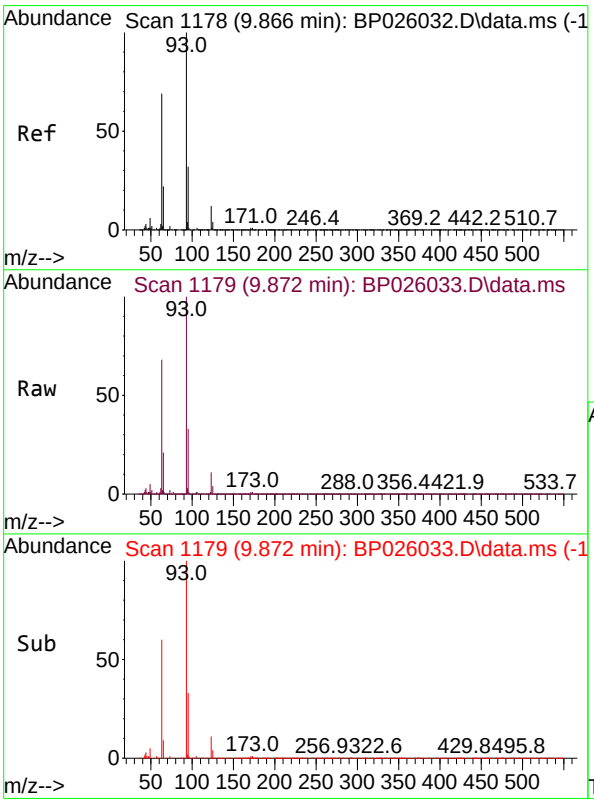
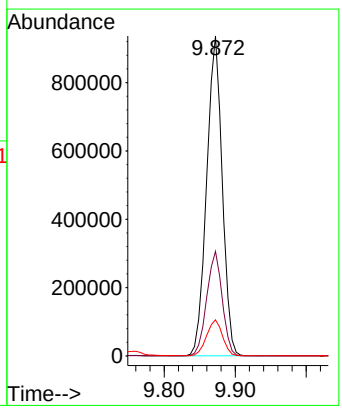


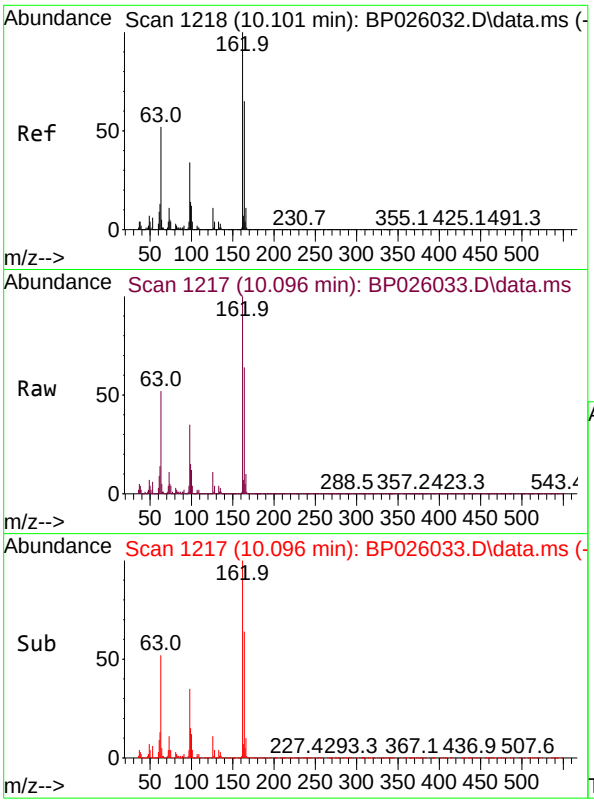


#28
bis(2-Chloroethoxy)methane
Concen: 45.719 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 93 Resp: 1423542

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.6
123	11.3	9.3	13.9





#29
2,4-Dichlorophenol
Concen: 47.877 ng
RT: 10.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:162 Resp: 105027

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.6	84.6
98	35.0	14.0	54.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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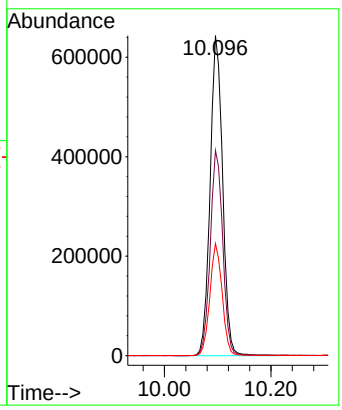
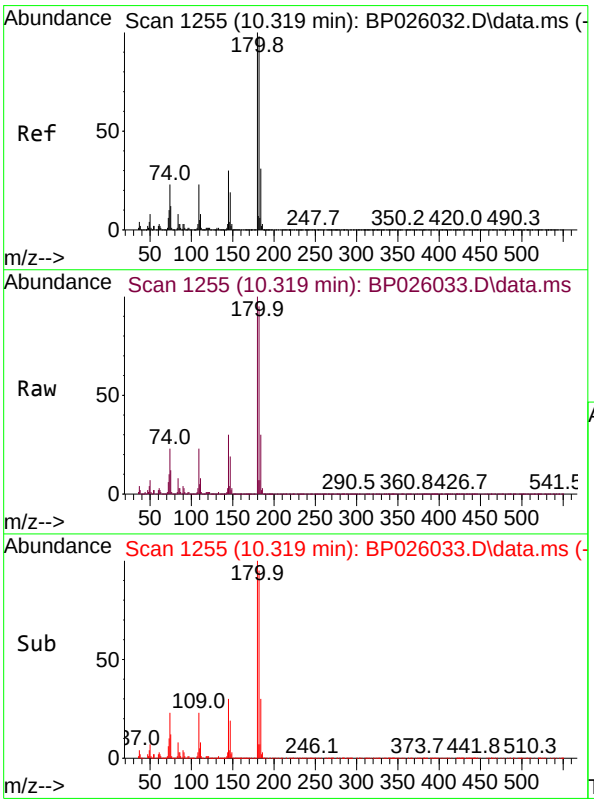
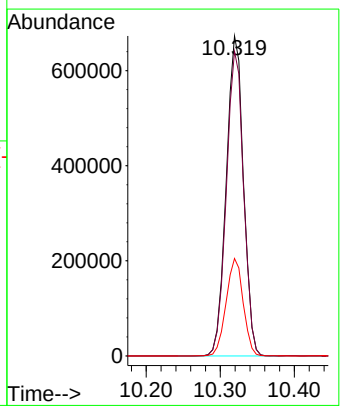


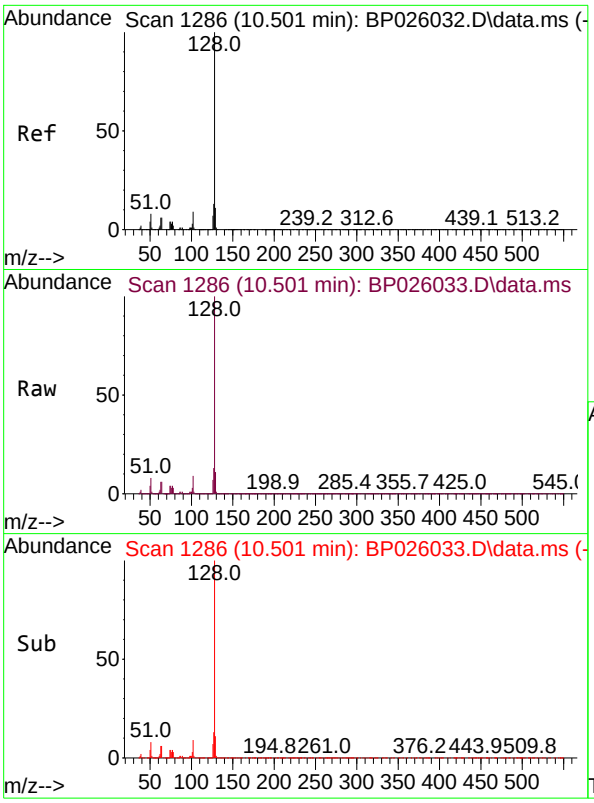


#30
1,2,4-Trichlorobenzene
Concen: 45.408 ng
RT: 10.319 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:180 Resp: 1082702

Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.6	117.8
145	30.4	24.2	36.4





#31
Naphthalene
Concen: 44.821 ng
RT: 10.501 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:128 Resp: 351708

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.9	10.5	15.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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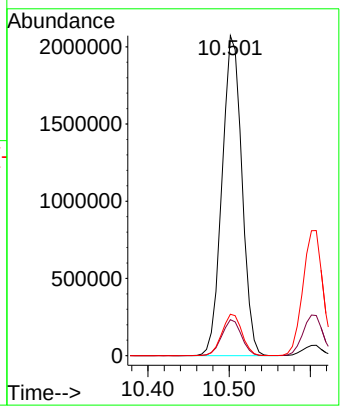
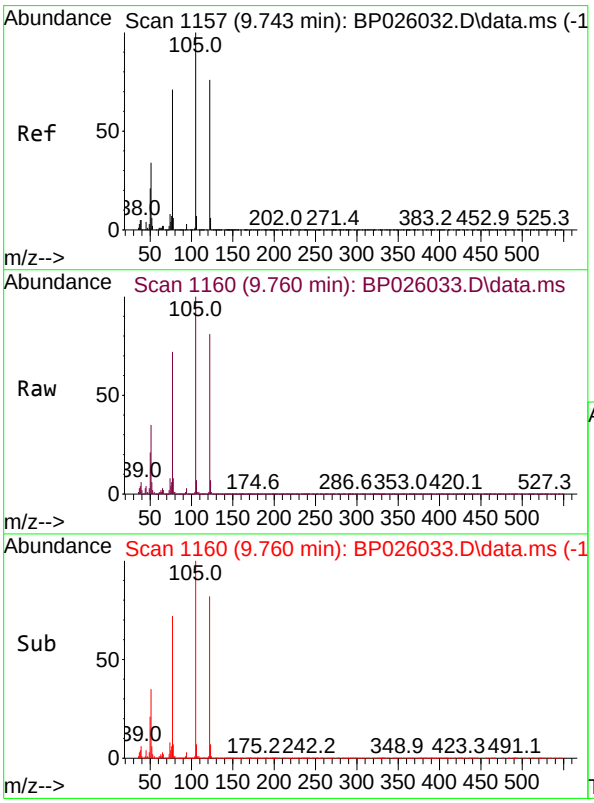
Supervised By :Jagrut Upadhyay 11/04/2025

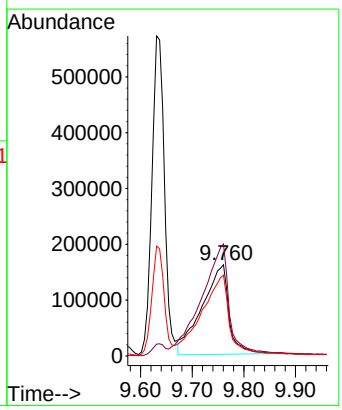


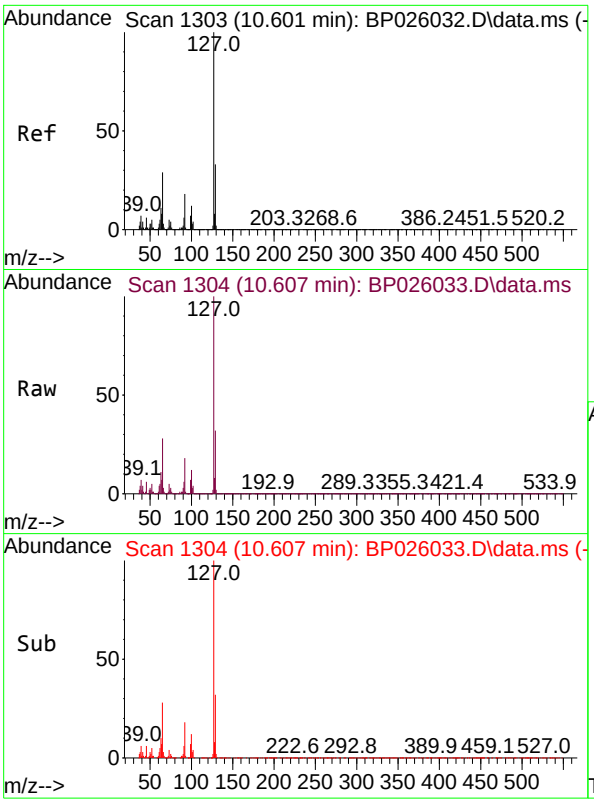


#32
Benzoic acid
Concen: 46.816 ng
RT: 9.760 min Scan# 1160
Delta R.T. -0.018 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:122 Resp: 583423

Ion	Ratio	Lower	Upper
122	100		
105	122.7	104.8	144.8
77	88.6	70.9	110.9

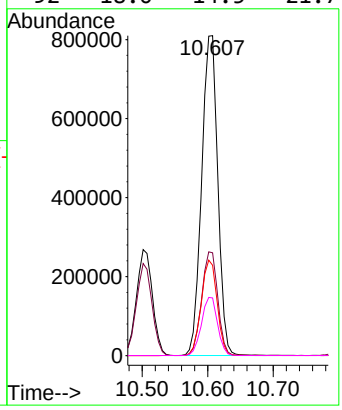




#33
4-Chloroaniline
Concen: 45.768 ng
RT: 10.607 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:127 Resp: 138008

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.0	39.0
65	28.2	23.2	34.8
92	18.0	14.5	21.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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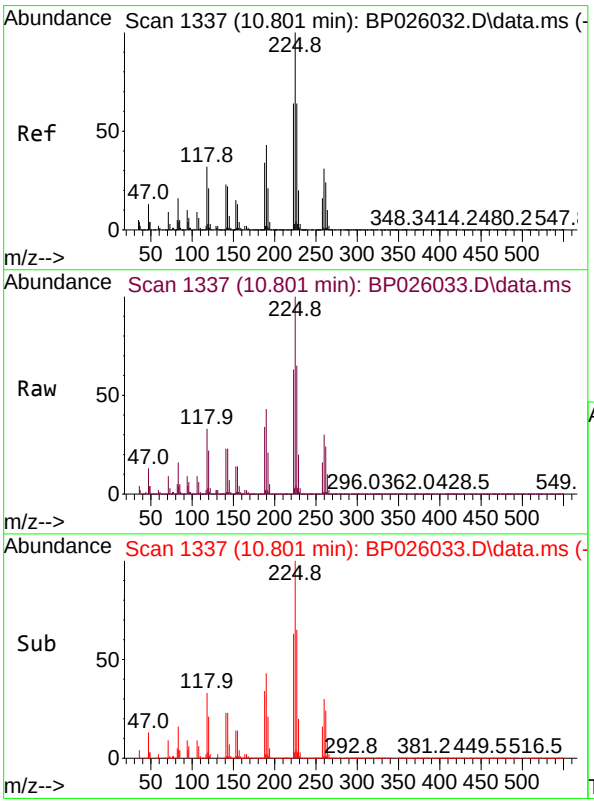
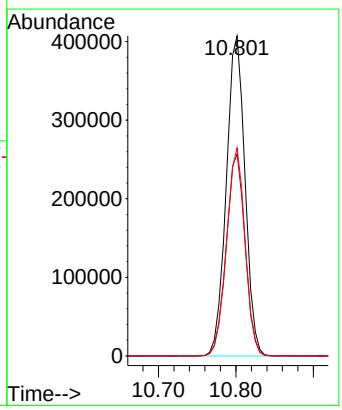
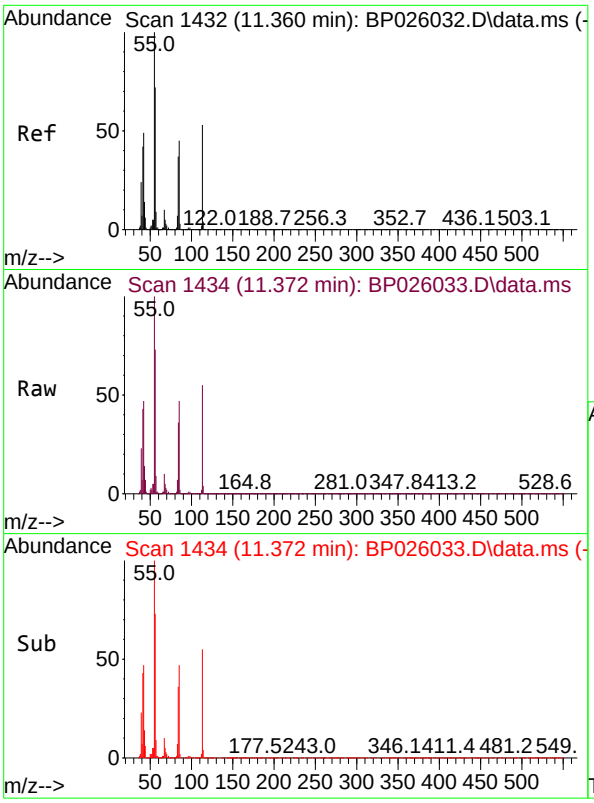


#34
Hexachlorobutadiene
Concen: 45.101 ng
RT: 10.801 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:225 Resp: 683383

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.9	76.3
227	65.0	51.0	76.4





#35
Caprolactam
Concen: 46.253 ng
RT: 11.372 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:113 Resp: 35631

Ion	Ratio	Lower	Upper
113	100		
55	180.4	169.9	209.9
56	131.8	116.7	156.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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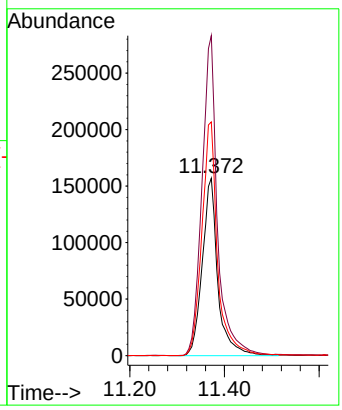
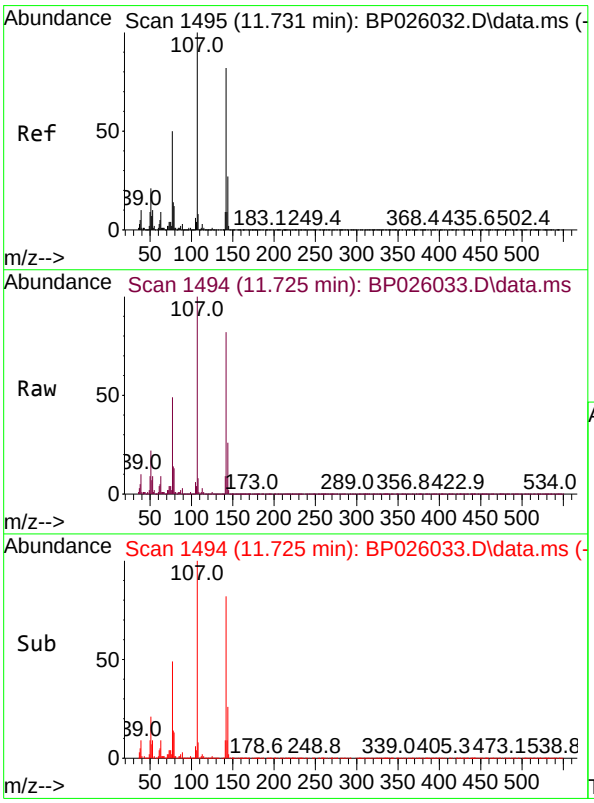
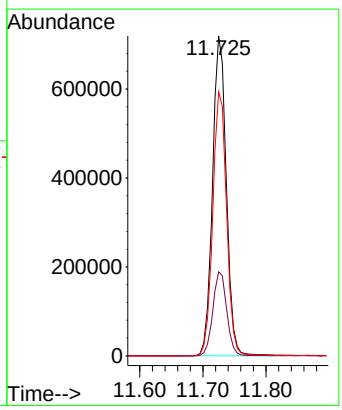


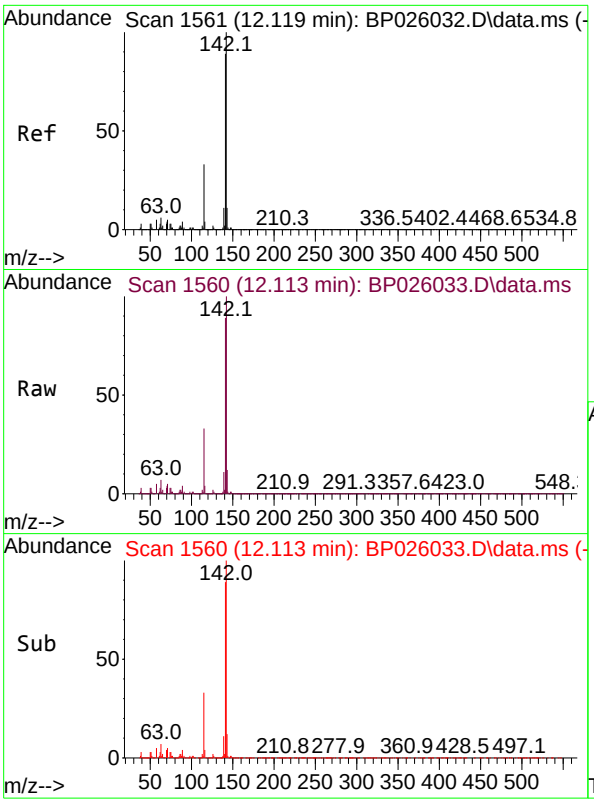


#36
4-Chloro-3-methylphenol
Concen: 47.466 ng
RT: 11.725 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:107 Resp: 1091555

Ion	Ratio	Lower	Upper
107	100		
144	26.3	21.3	31.9
142	82.5	65.2	97.8





#37
2-Methylnaphthalene
Concen: 45.460 ng
RT: 12.113 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:142 Resp: 249669

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.6	107.4
115	33.2	26.6	39.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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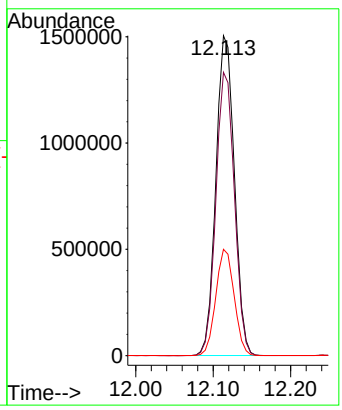
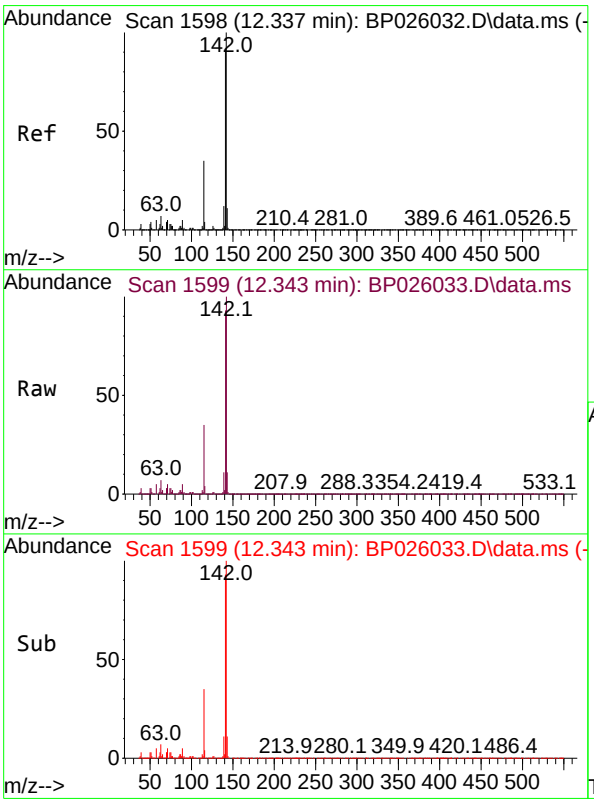
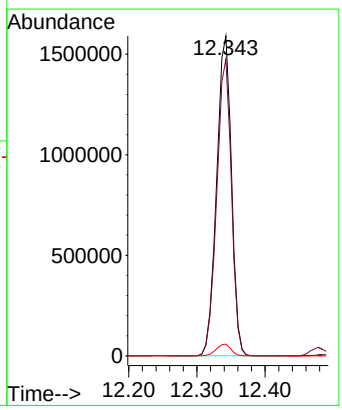


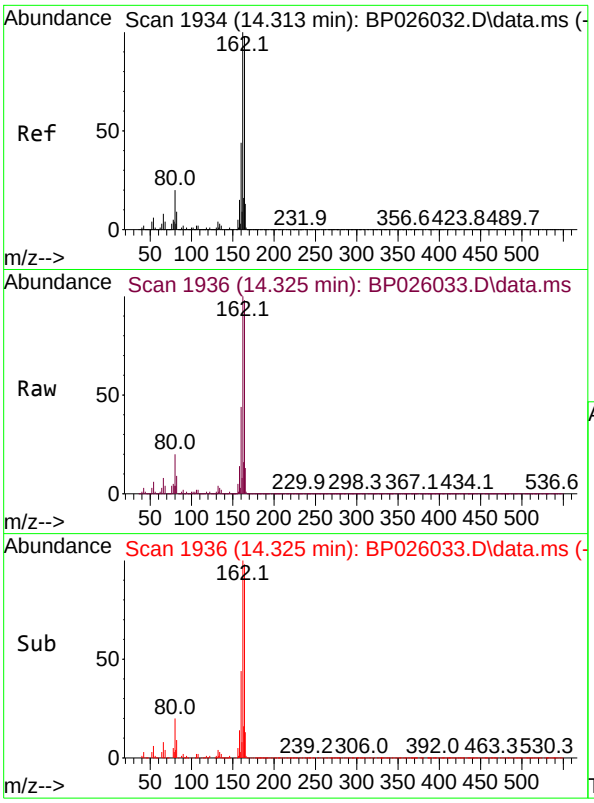


#38
1-Methylnaphthalene
Concen: 44.696 ng
RT: 12.343 min Scan# 1599
Delta R.T. 0.007 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:142 Resp: 2384802

Ion	Ratio	Lower	Upper
142	100		
141	92.7	72.7	109.1
116	3.7	2.9	4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.325 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:164 Resp: 90427

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.5	122.3
160	44.8	36.2	54.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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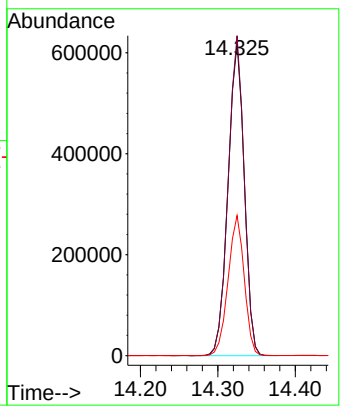
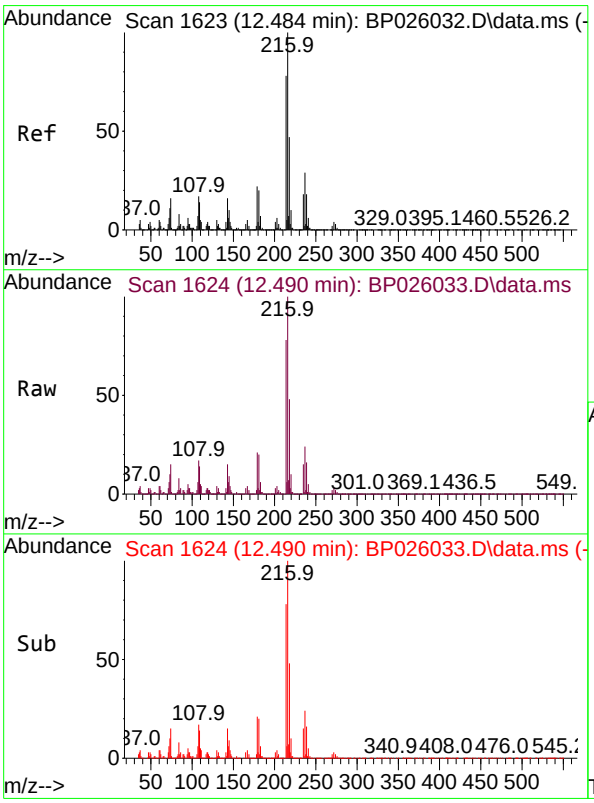
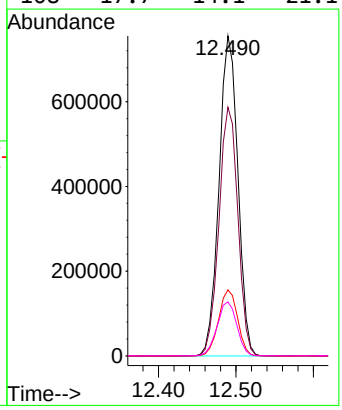


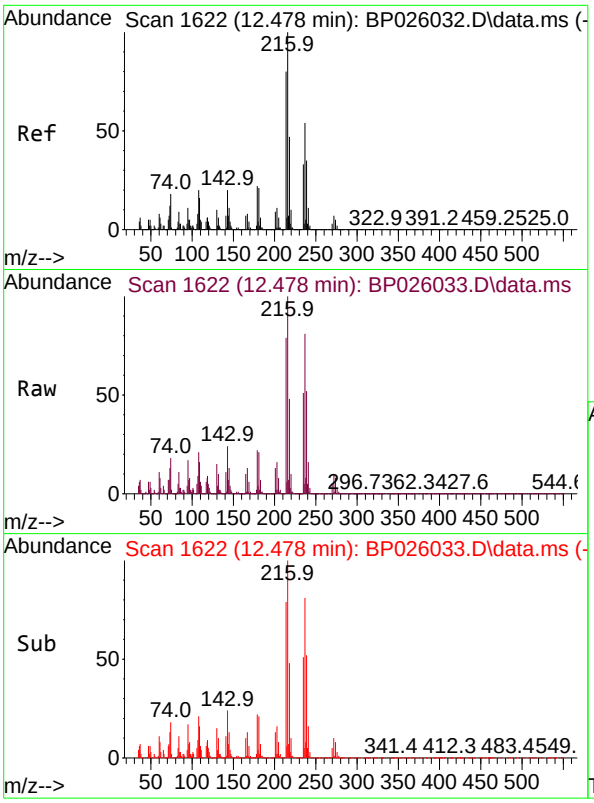


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.422 ng
RT: 12.490 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:216 Resp: 1276225

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.9	94.3
179	20.8	16.9	25.3
108	17.7	14.1	21.1





#41
Hexachlorocyclopentadiene
Concen: 47.892 ng
RT: 12.478 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:237 Resp: 49233

Ion	Ratio	Lower	Upper
237	100		
235	62.6	40.4	80.4
272	12.8	0.0	32.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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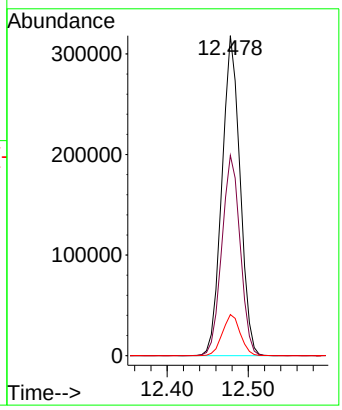
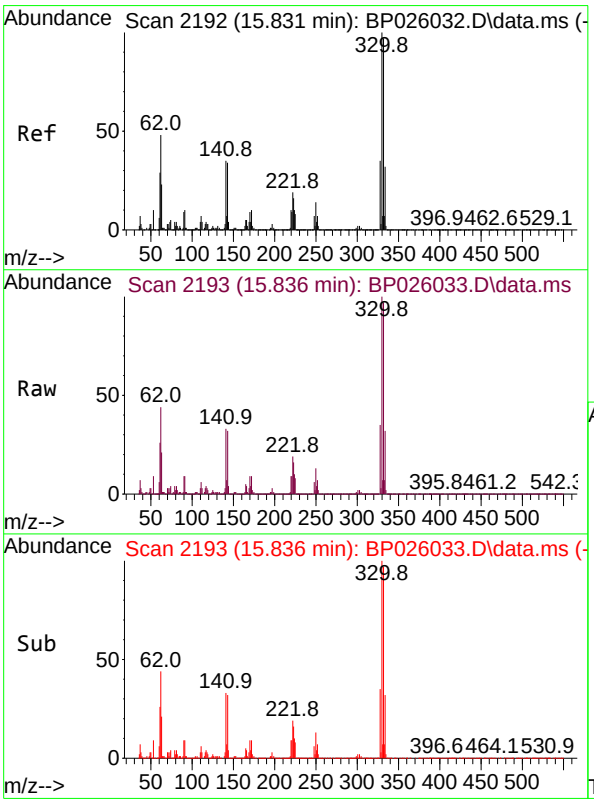
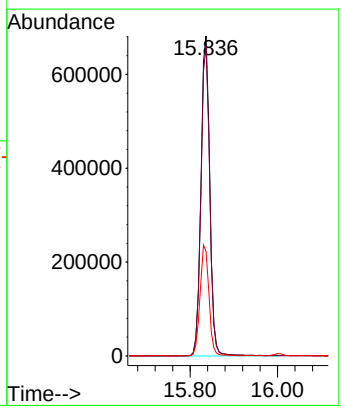


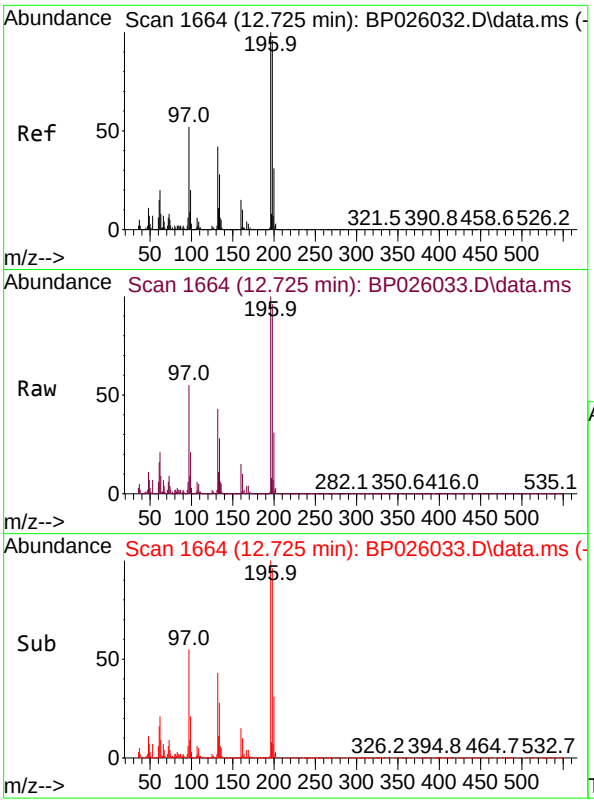


#42
2,4,6-Tribromophenol
Concen: 96.828 ng
RT: 15.836 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:330 Resp: 946601

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	35.2	28.6	42.8





#43
2,4,6-Trichlorophenol
Concen: 49.033 ng
RT: 12.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:196 Resp: 814315

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.5	114.7
200	30.6	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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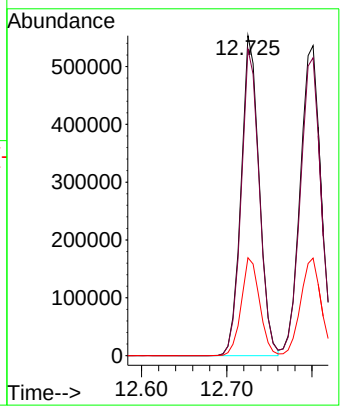
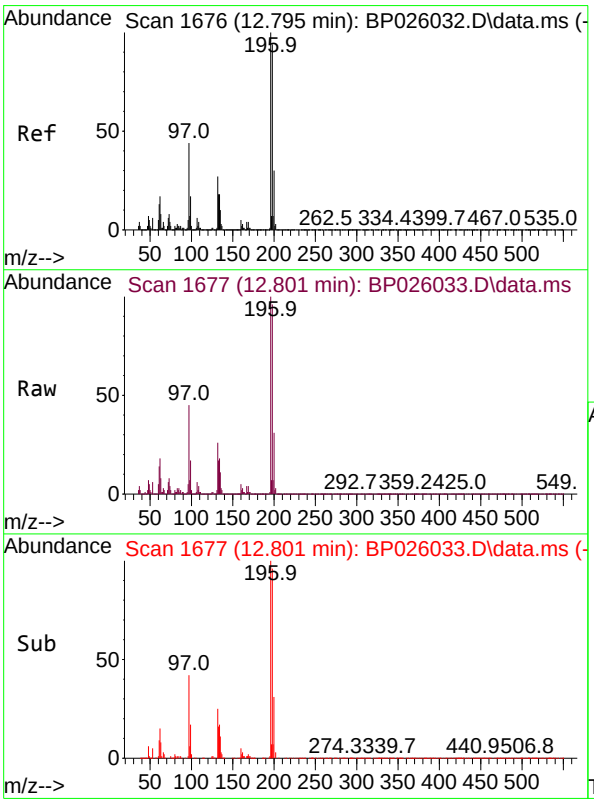
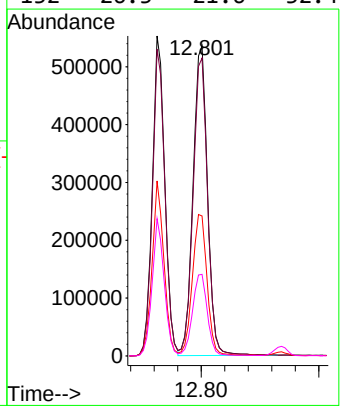


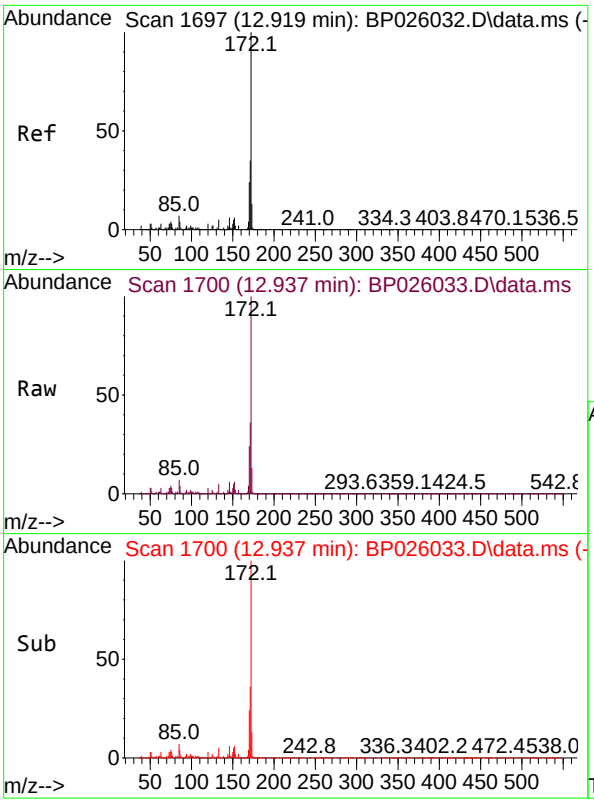


#44
2,4,5-Trichlorophenol
Concen: 48.327 ng
RT: 12.801 min Scan# 1677
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:196 Resp: 915816

Ion	Ratio	Lower	Upper
196	100		
198	96.1	75.1	112.7
97	45.2	35.5	53.3
132	26.3	21.6	32.4





#45
2-Fluorobiphenyl
Concen: 88.427 ng
RT: 12.937 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:172 Resp: 556483

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.9	41.9
170	23.8	19.0	28.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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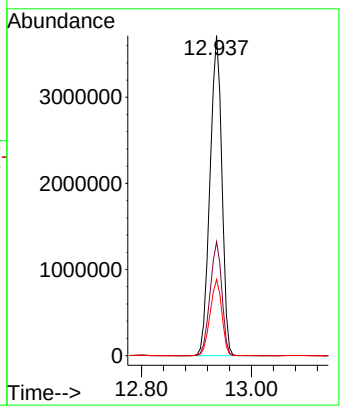
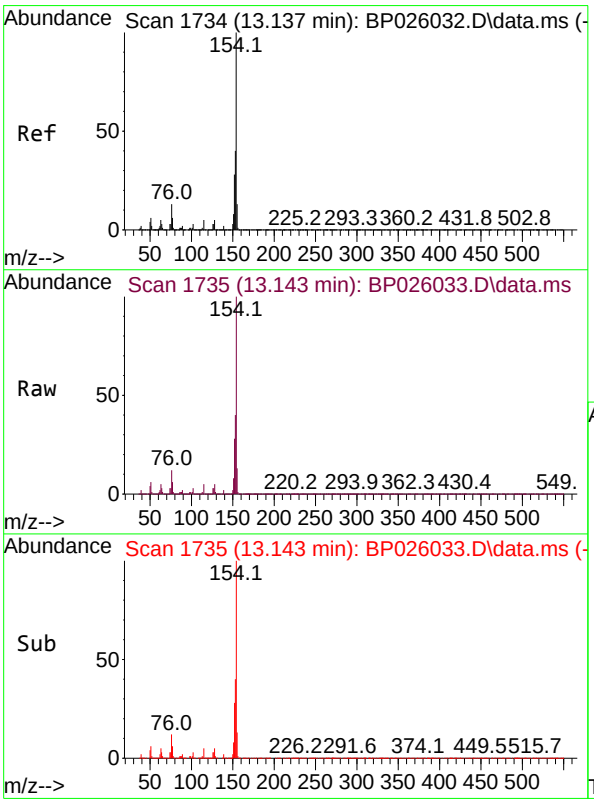
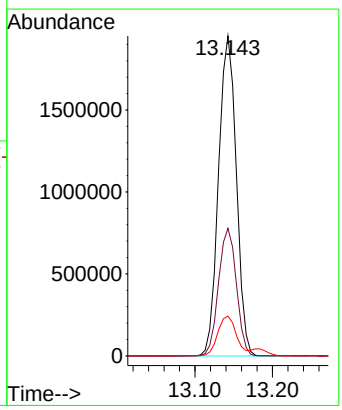


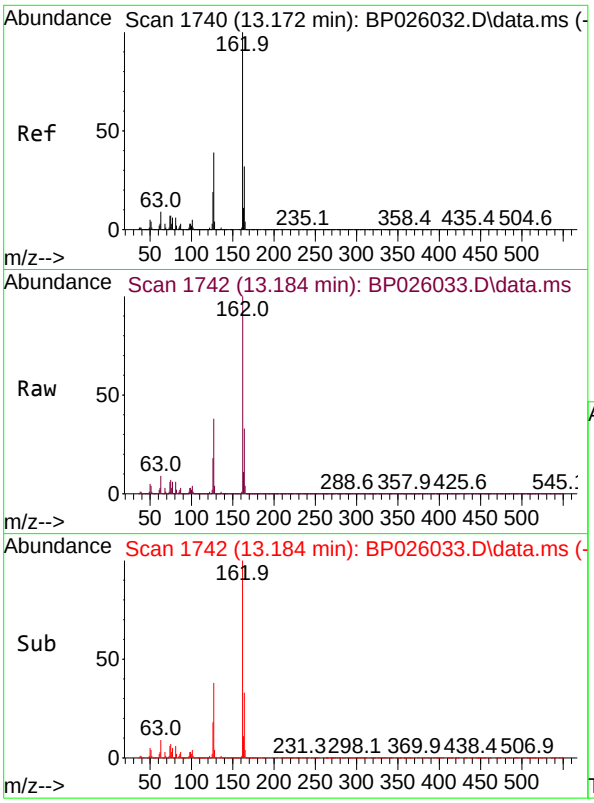


#46
1,1'-Biphenyl
Concen: 44.979 ng
RT: 13.143 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:154 Resp: 3114348

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.2	60.2
76	12.4	0.0	32.8





#47
2-Chloronaphthalene
Concen: 45.251 ng
RT: 13.184 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:162 Resp: 246520

Ion	Ratio	Lower	Upper
162	100		
127	38.4	31.4	47.2
164	32.8	25.9	38.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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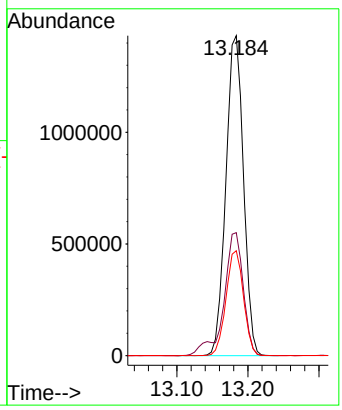
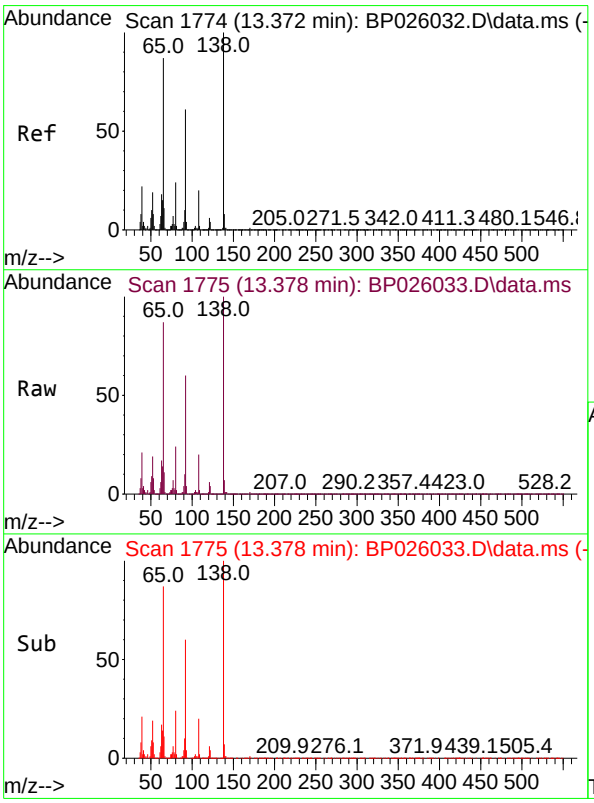
Supervised By :Jagrut Upadhyay 11/04/2025

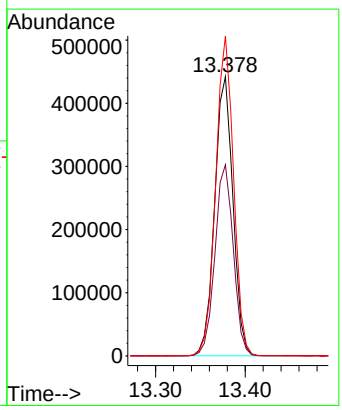


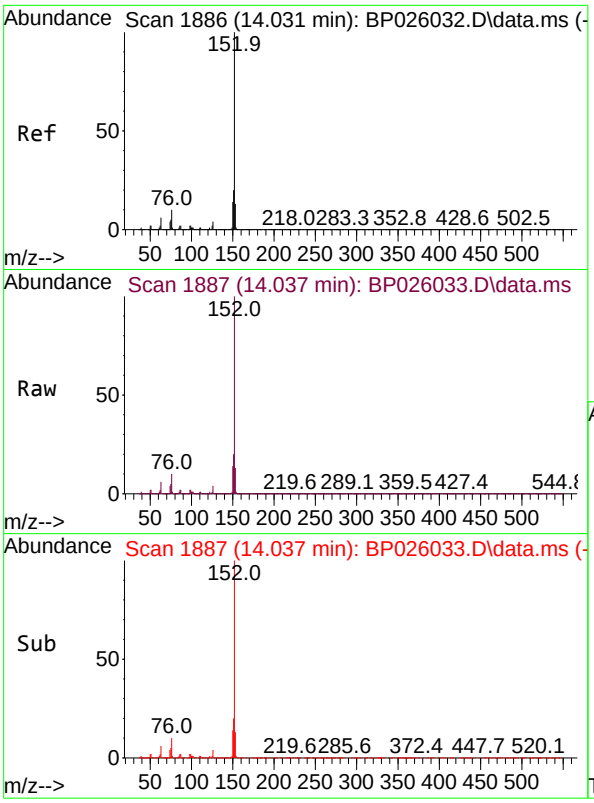


#48
2-Nitroaniline
Concen: 45.673 ng
RT: 13.378 min Scan# 1775
Delta R.T. -0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 65 Resp: 626496

Ion	Ratio	Lower	Upper
65	100		
92	68.5	55.5	83.3
138	114.6	91.7	137.5





#49
Acenaphthylene
Concen: 46.069 ng
RT: 14.037 min Scan# 18
Delta R.T. 0.001 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:152 Resp: 3657970

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.1	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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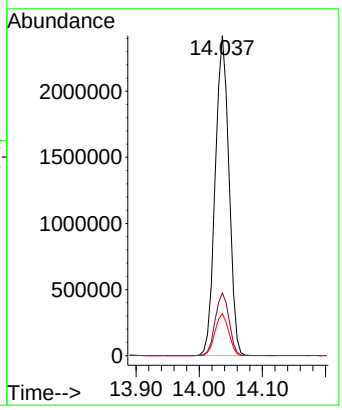
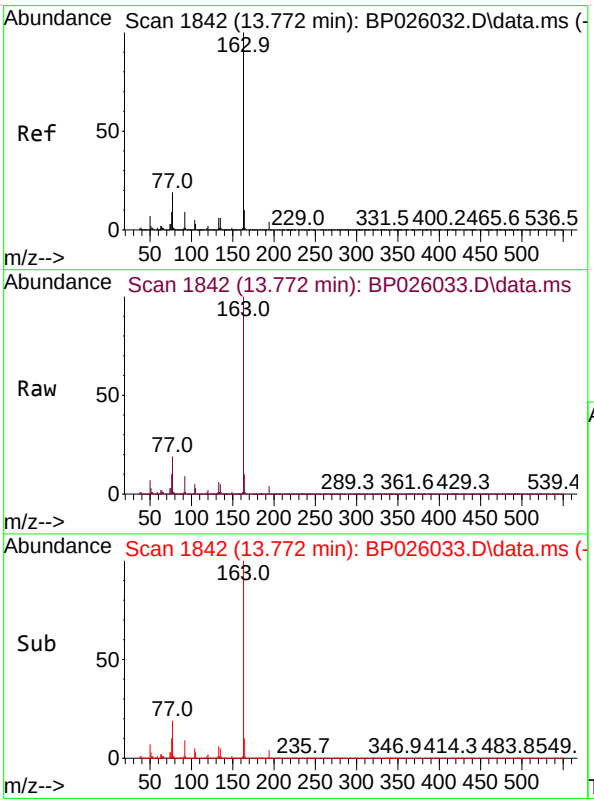
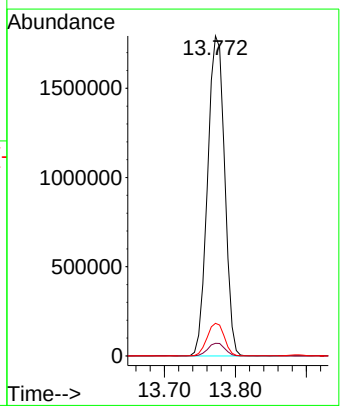


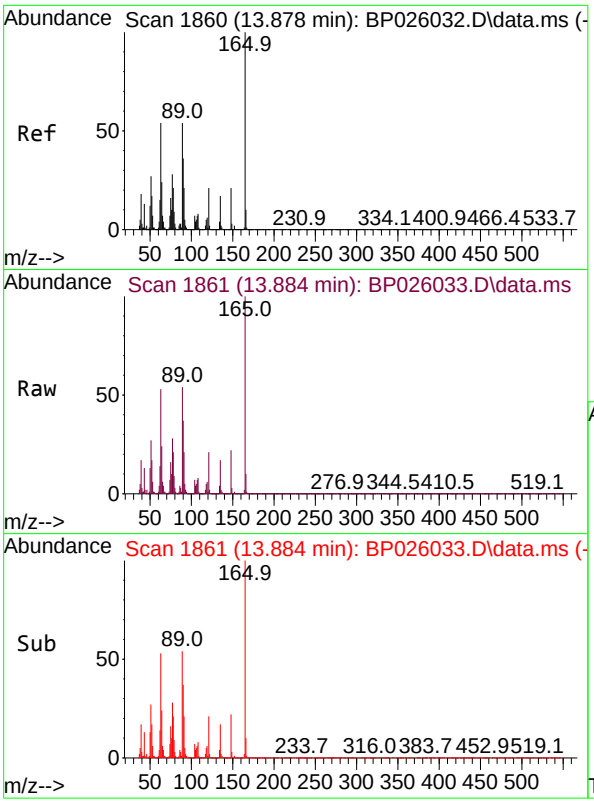


#50
Dimethylphthalate
Concen: 45.465 ng
RT: 13.772 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:163 Resp: 2990506

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 45.947 ng
RT: 13.884 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:165 Resp: 554294

Ion	Ratio	Lower	Upper
165	100		
63	53.4	43.0	64.4
89	53.7	43.0	64.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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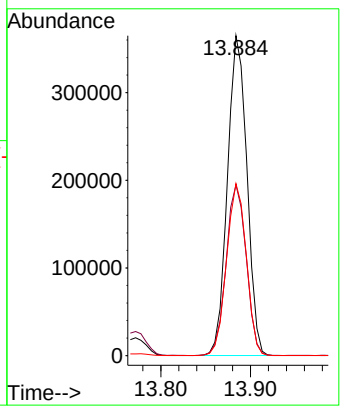
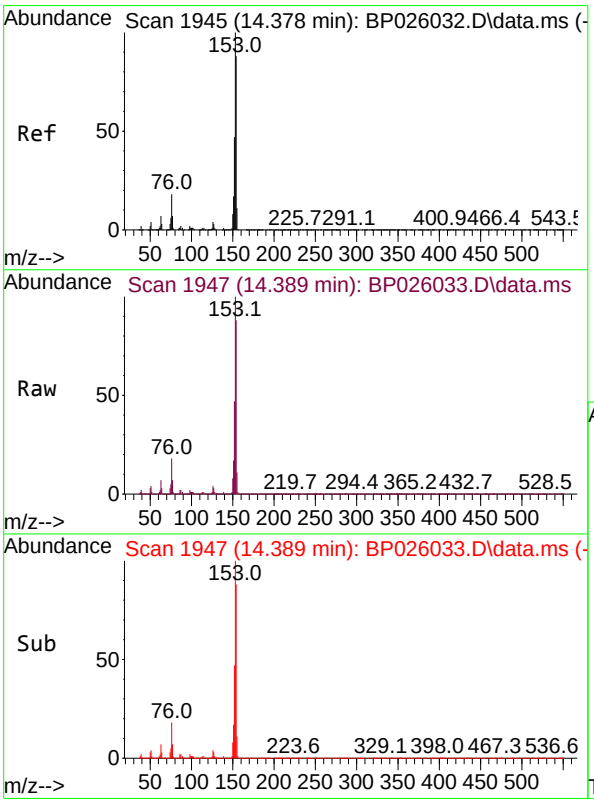
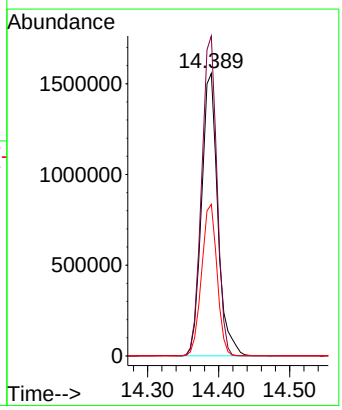


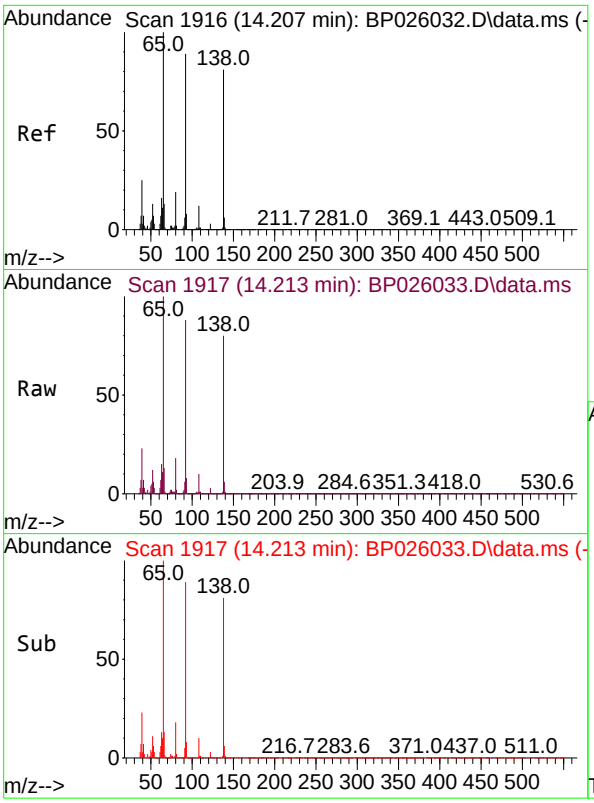


#52
Acenaphthene
Concen: 45.148 ng
RT: 14.389 min Scan# 1947
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:154 Resp: 2461012

Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.0	136.4
152	53.7	42.7	64.1





#53
3-Nitroaniline
Concen: 45.125 ng
RT: 14.213 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:138 Resp: 666202

Ion	Ratio	Lower	Upper
138	100		
108	13.0	11.4	17.0
92	110.3	87.1	130.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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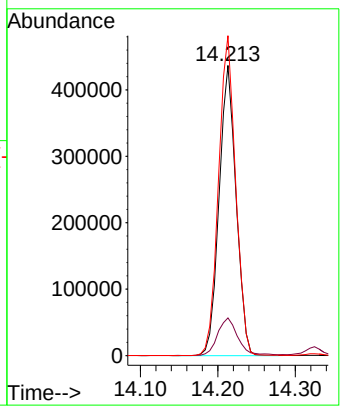
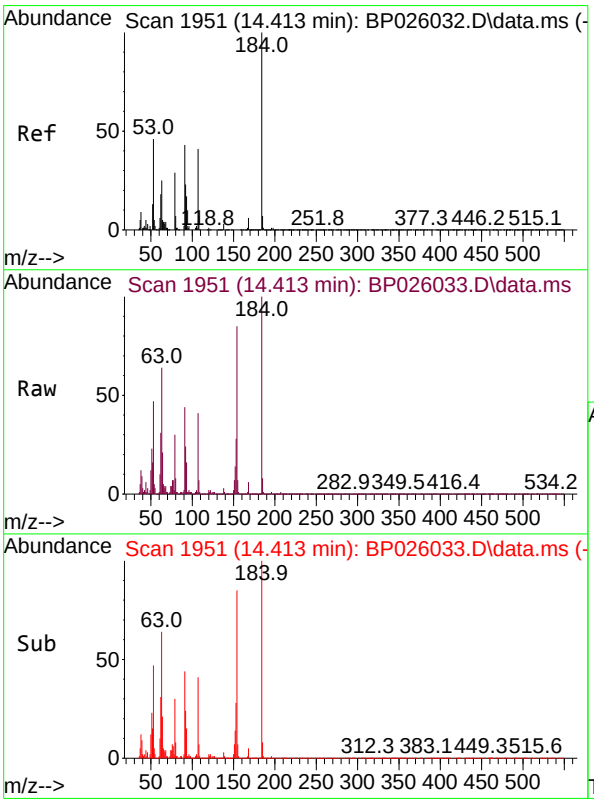
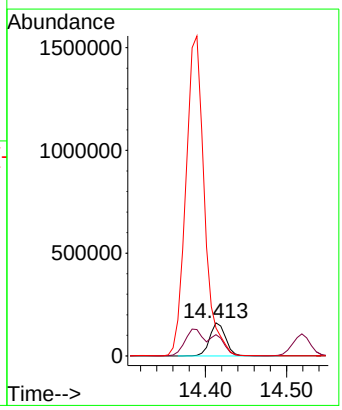


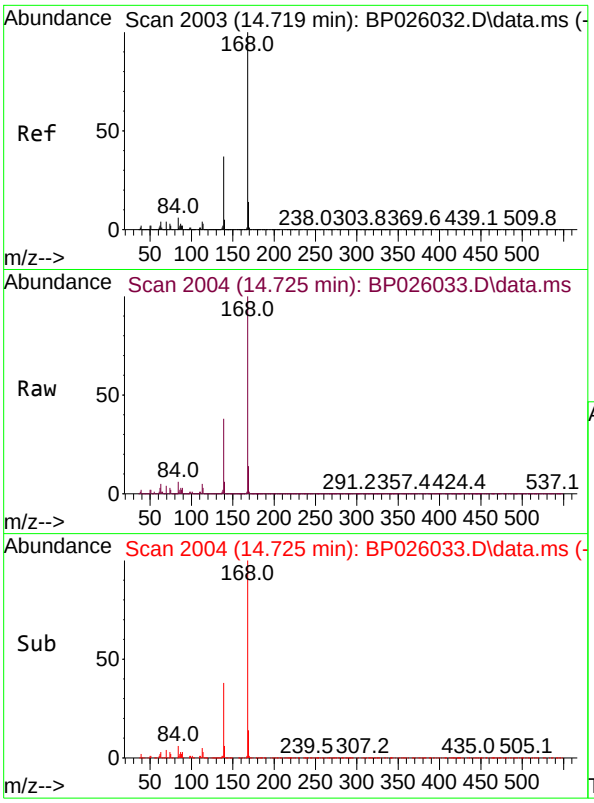


#54
2,4-Dinitrophenol
Concen: 46.408 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:184 Resp: 217265

Ion	Ratio	Lower	Upper
184	100		
63	63.9	49.0	73.4
154	84.5	51.0	76.6#





#55
Dibenzofuran
Concen: 44.295 ng
RT: 14.725 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:168 Resp: 3647999

Ion	Ratio	Lower	Upper
168	100		
139	38.3	29.7	44.5
169	13.7	11.0	16.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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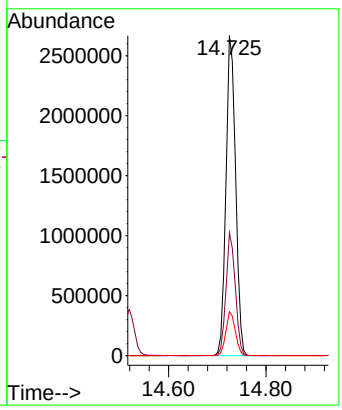
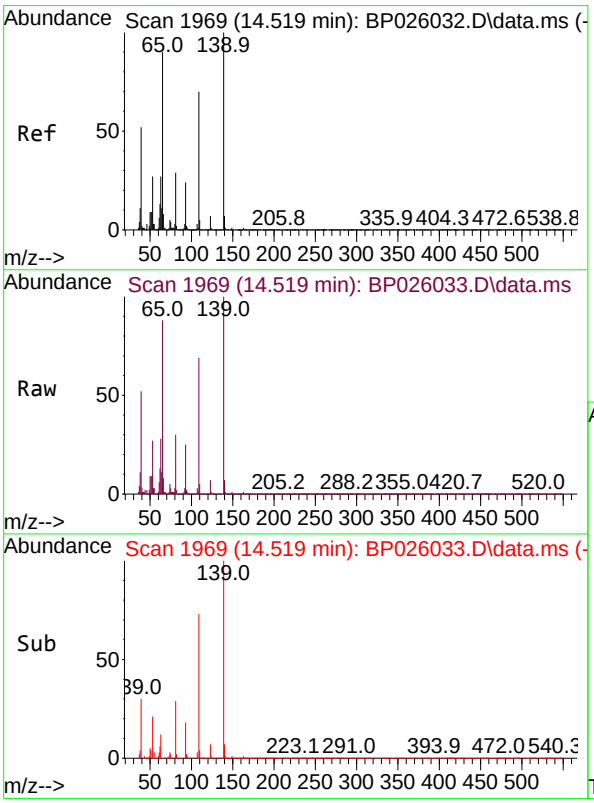
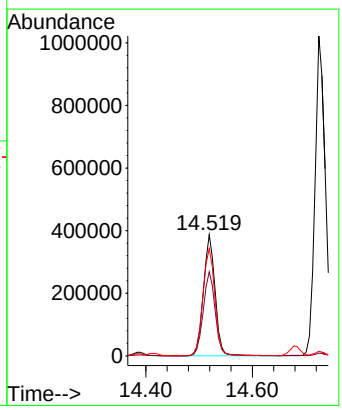


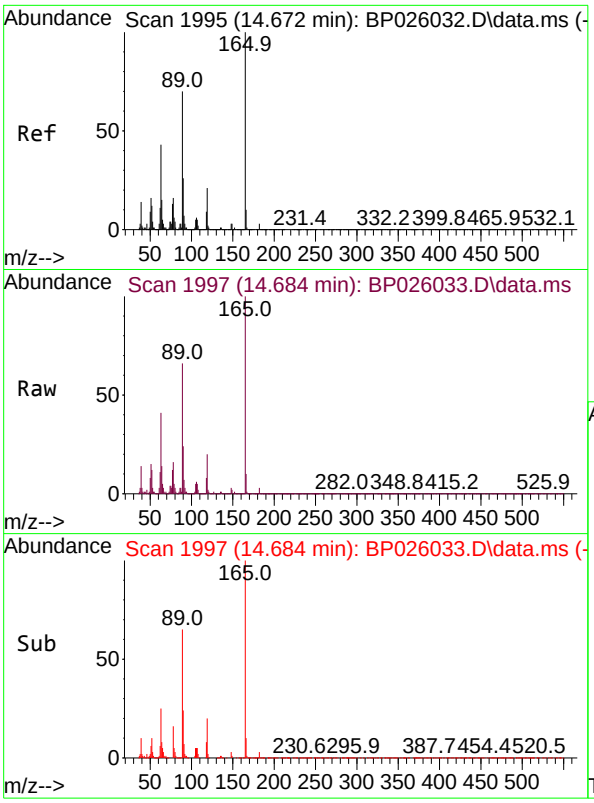


#56
4-Nitrophenol
Concen: 44.465 ng
RT: 14.519 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:139 Resp: 583197

Ion	Ratio	Lower	Upper
139	100		
109	69.4	50.0	90.0
65	88.5	69.6	109.6





#57
2,4-Dinitrotoluene
Concen: 46.376 ng
RT: 14.684 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:165 Resp: 812960

Ion	Ratio	Lower	Upper
165	100		
63	40.8	34.2	51.2
89	66.3	56.0	84.0
182	2.7	2.2	3.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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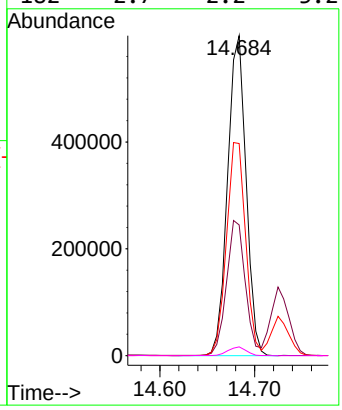
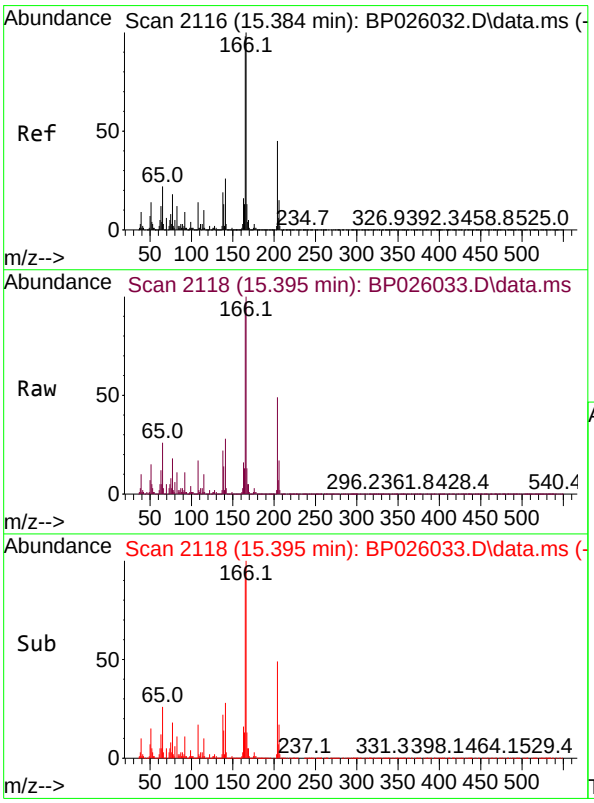
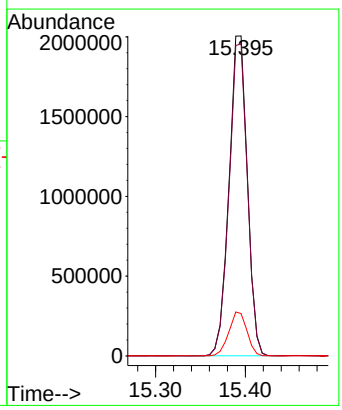


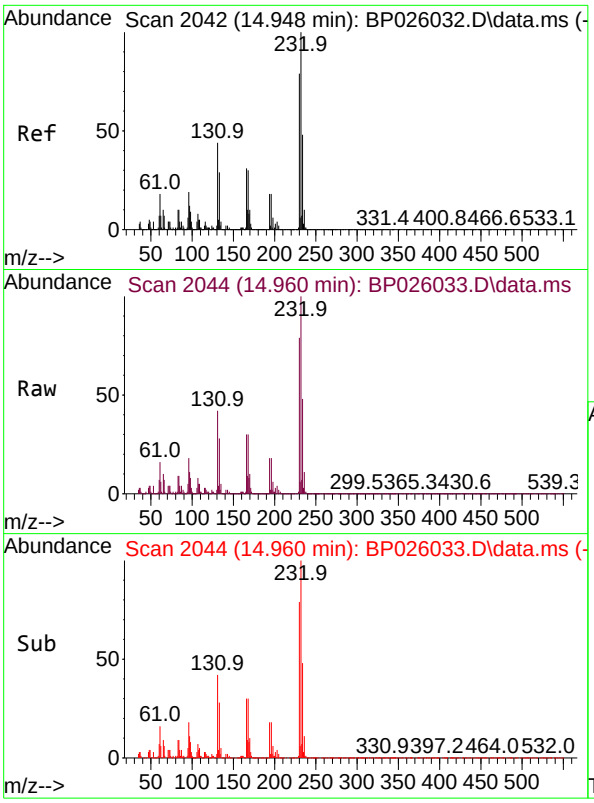


#58
Fluorene
Concen: 44.149 ng
RT: 15.395 min Scan# 2118
Delta R.T. 0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:166 Resp: 2848597

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.1	117.1
167	13.2	10.6	16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 49.733 ng
RT: 14.960 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:232 Resp: 74100

Ion	Ratio	Lower	Upper
232	100		
131	44.1	35.2	52.8
130	2.3	1.7	2.5
166	30.8	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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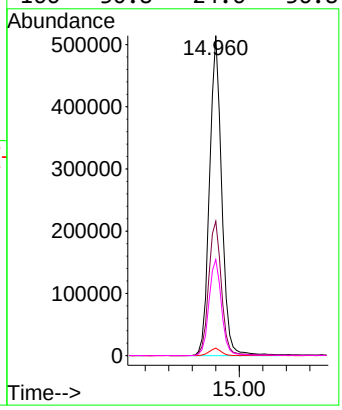
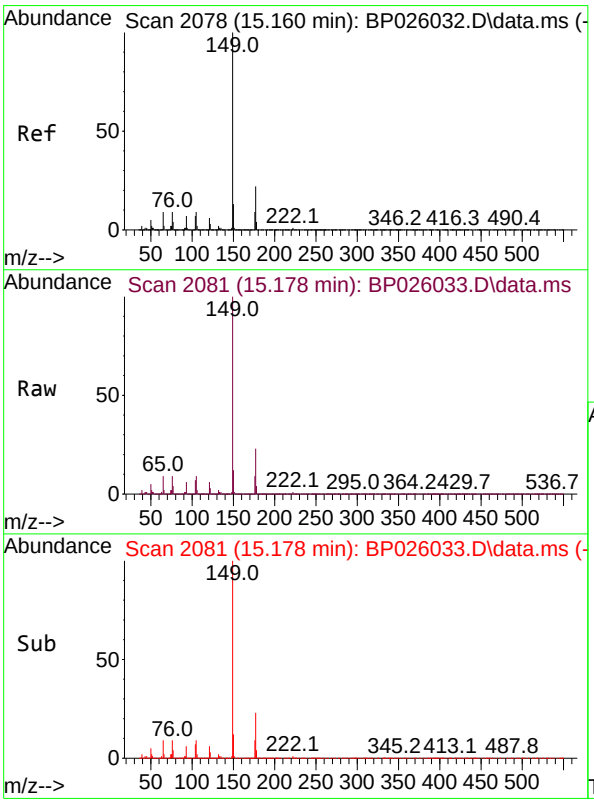
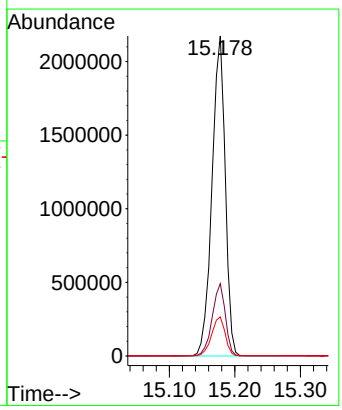


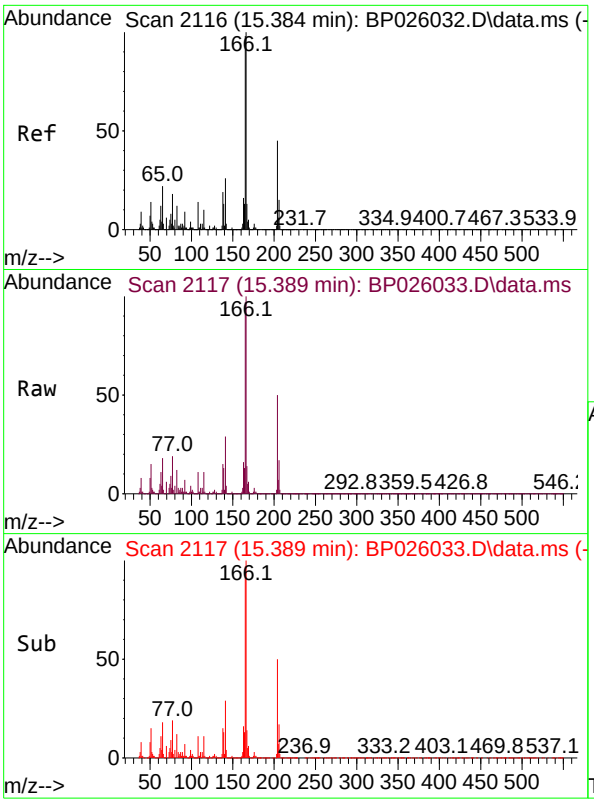


#60
Diethylphthalate
Concen: 46.159 ng
RT: 15.178 min Scan# 2081
Delta R.T. 0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:149 Resp: 3052331

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.9	26.9
150	12.2	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 43.714 ng
RT: 15.389 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 140851

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.2
141	57.4	47.0	70.4

Manual Integrations
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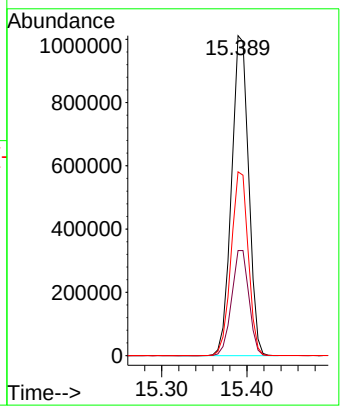
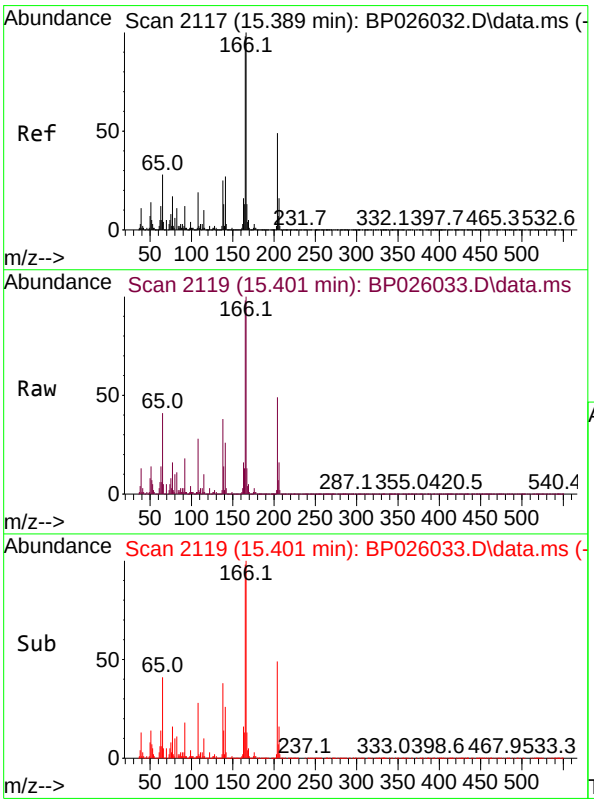
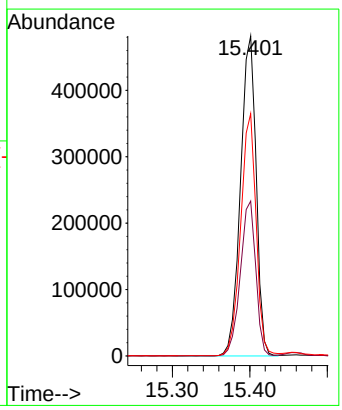


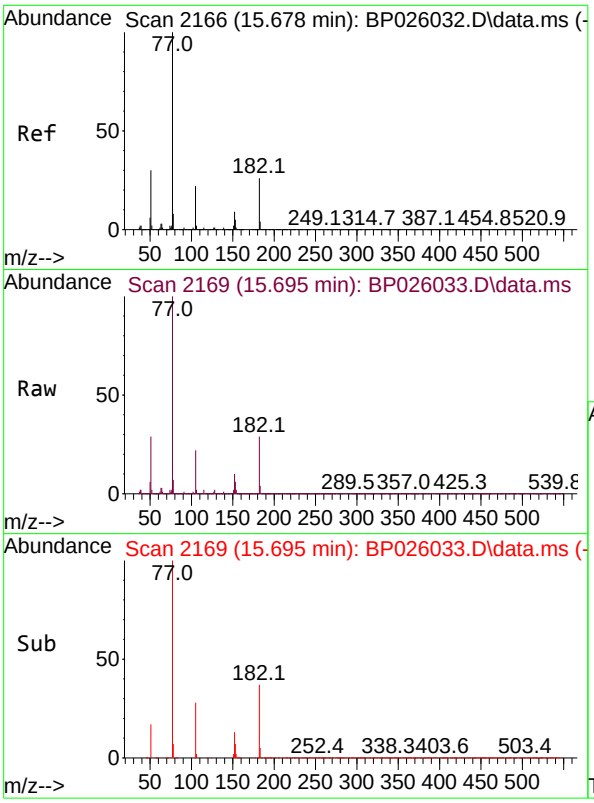


#62
4-Nitroaniline
Concen: 47.907 ng
RT: 15.401 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:138 Resp: 673347

Ion	Ratio	Lower	Upper
138	100		
92	48.4	28.2	68.2
108	75.7	56.0	96.0





#63
Azobenzene
Concen: 44.816 ng
RT: 15.695 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 77 Resp: 268582

Ion	Ratio	Lower	Upper
77	100		
182	29.0	6.4	46.4
105	22.5	2.2	42.2
51	29.5	10.3	50.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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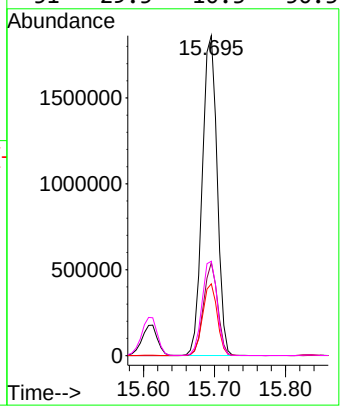
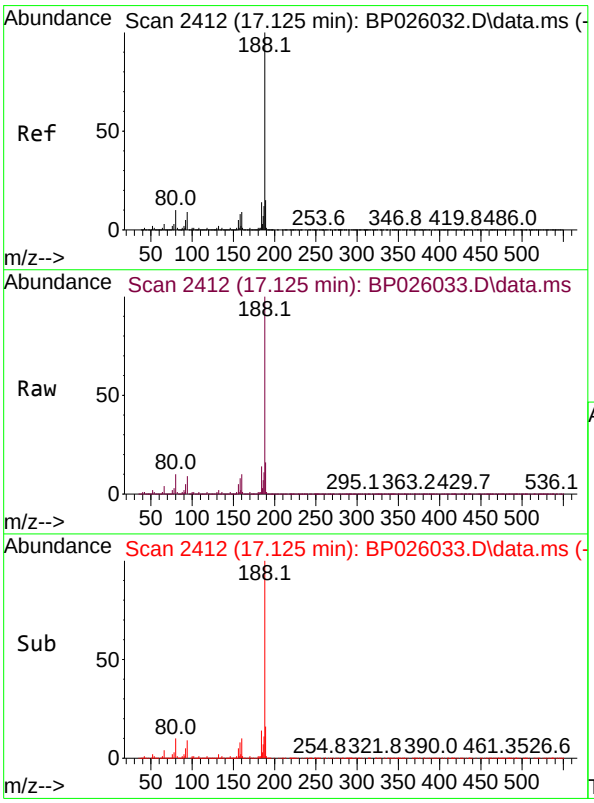
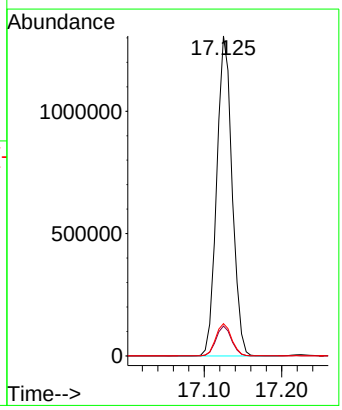


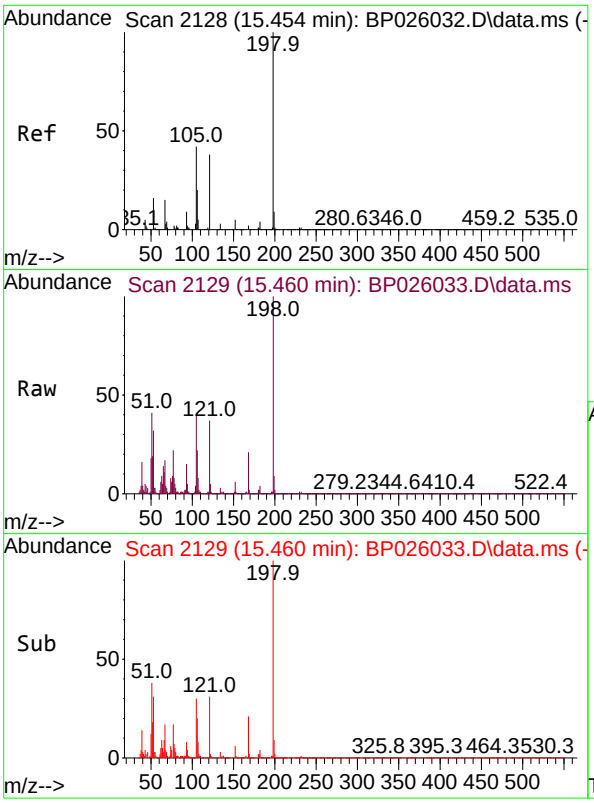


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:188 Resp: 1803155

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.1	10.7
80	10.1	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 46.617 ng
RT: 15.460 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:198 Resp: 33687

Ion	Ratio	Lower	Upper
198	100		
51	40.7	25.2	65.2
105	40.1	23.7	63.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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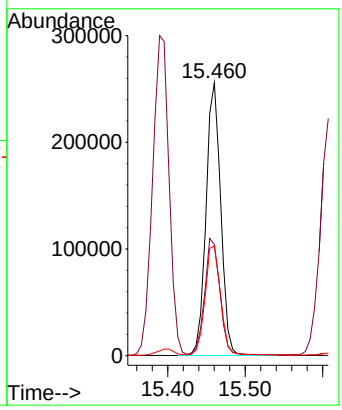
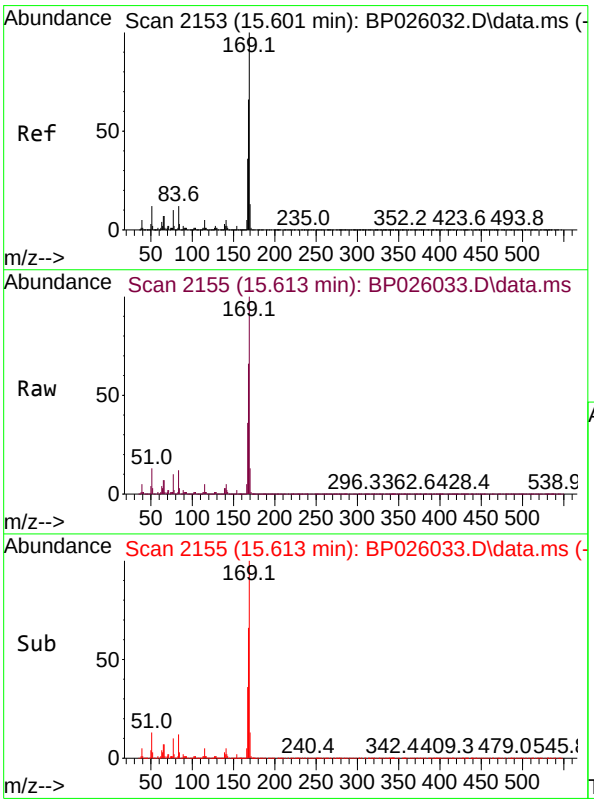
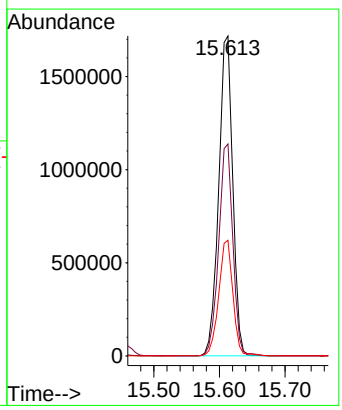


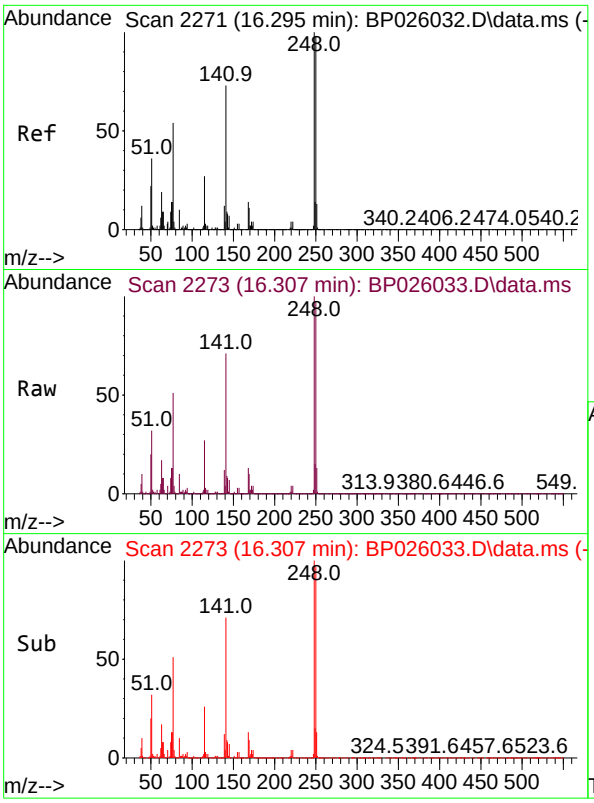


#66
n-Nitrosodiphenylamine
Concen: 45.350 ng
RT: 15.613 min Scan# 2155
Delta R.T. 0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:169 Resp: 2556770

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.9	79.3
167	36.1	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 45.926 ng
RT: 16.307 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:248 Resp: 91858

Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.4	117.6
141	71.2	58.3	87.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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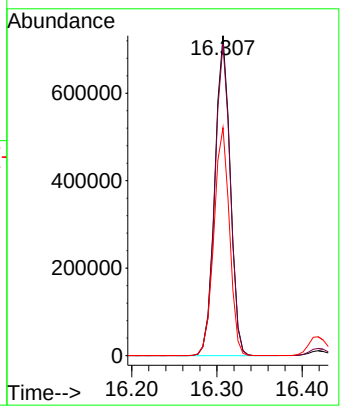
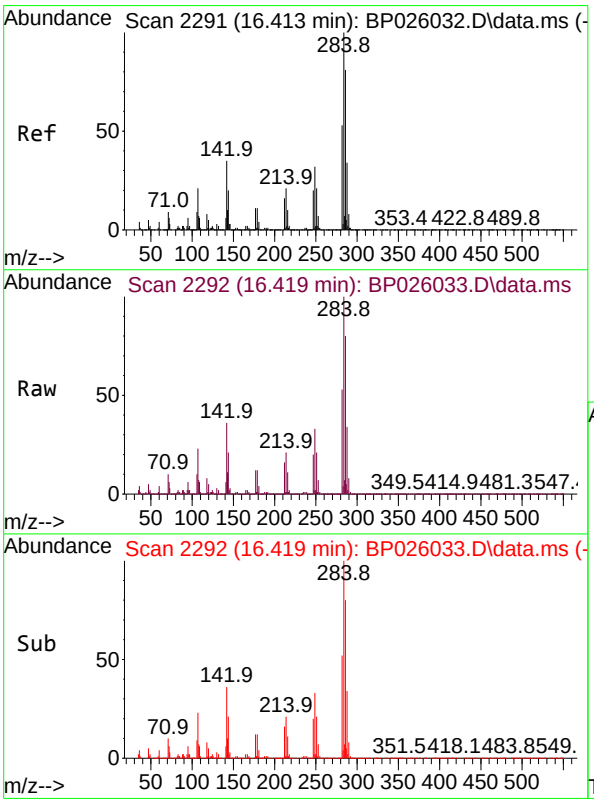
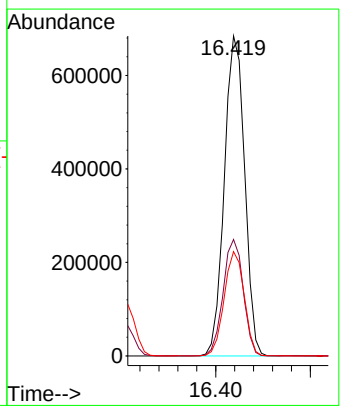


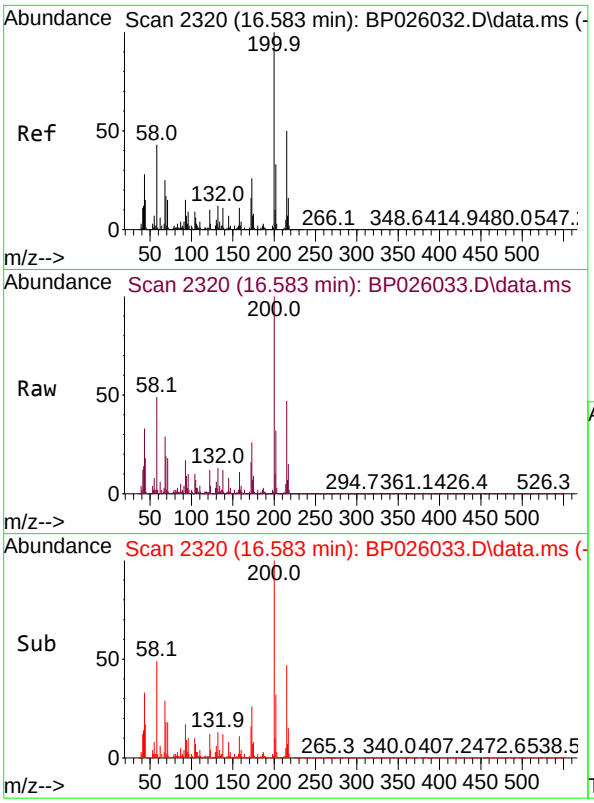


#68
Hexachlorobenzene
Concen: 44.671 ng
RT: 16.419 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:284 Resp: 1017148

Ion	Ratio	Lower	Upper
284	100		
142	36.4	27.7	41.5
249	32.6	25.5	38.3





#69
Atrazine
Concen: 45.648 ng
RT: 16.583 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:200 Resp: 86816

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.2	46.2
215	47.5	29.8	69.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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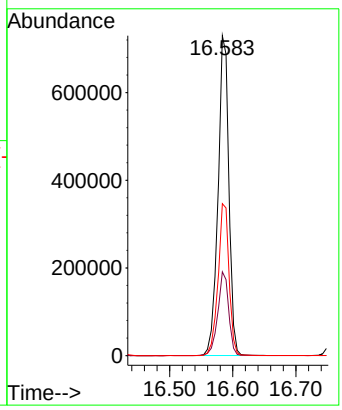
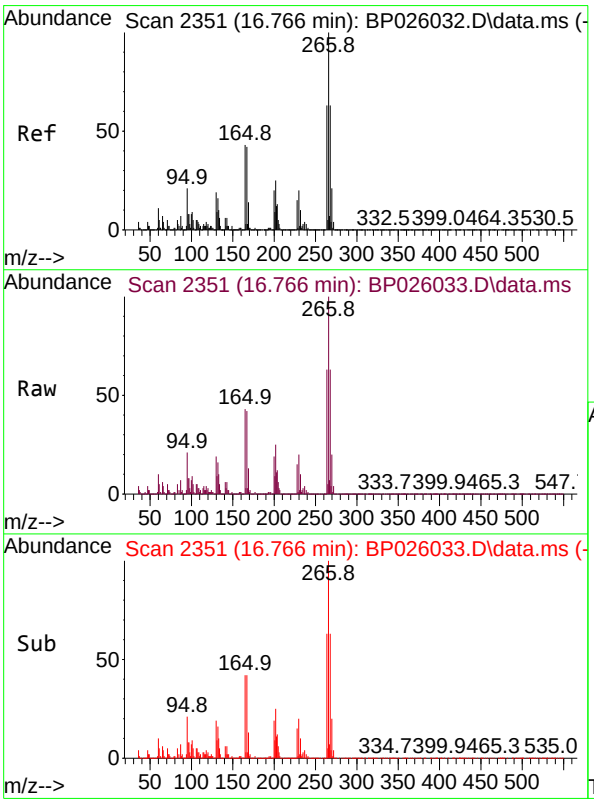
Supervised By :Jagrut Upadhyay 11/04/2025

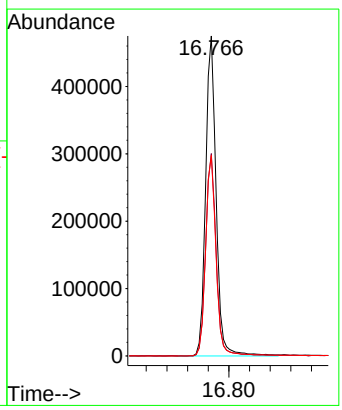


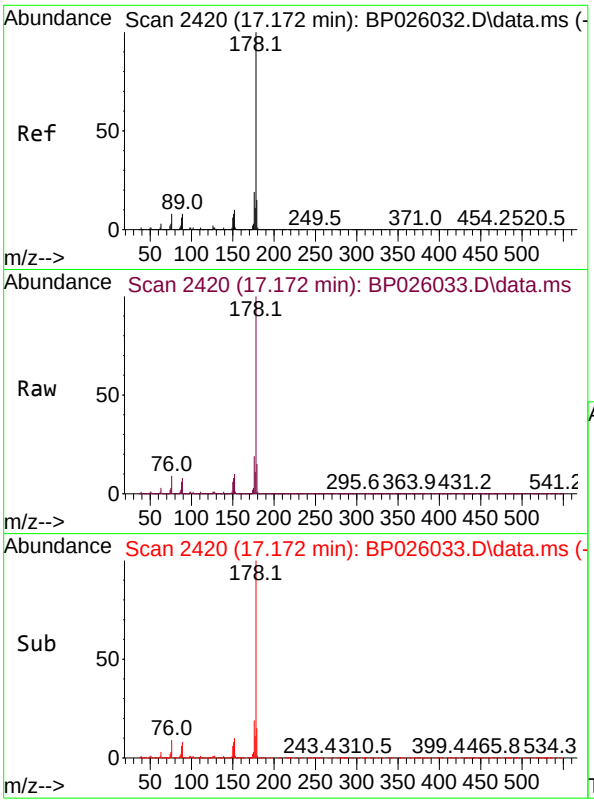


#70
Pentachlorophenol
Concen: 48.009 ng
RT: 16.766 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:266 Resp: 667717

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.6	76.0
264	62.6	50.2	75.4





#71
Phenanthrene
Concen: 44.270 ng
RT: 17.172 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:178 Resp: 464624

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.4	12.3	18.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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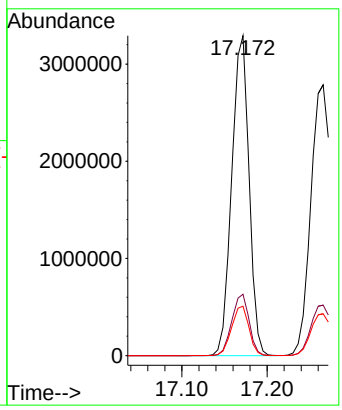
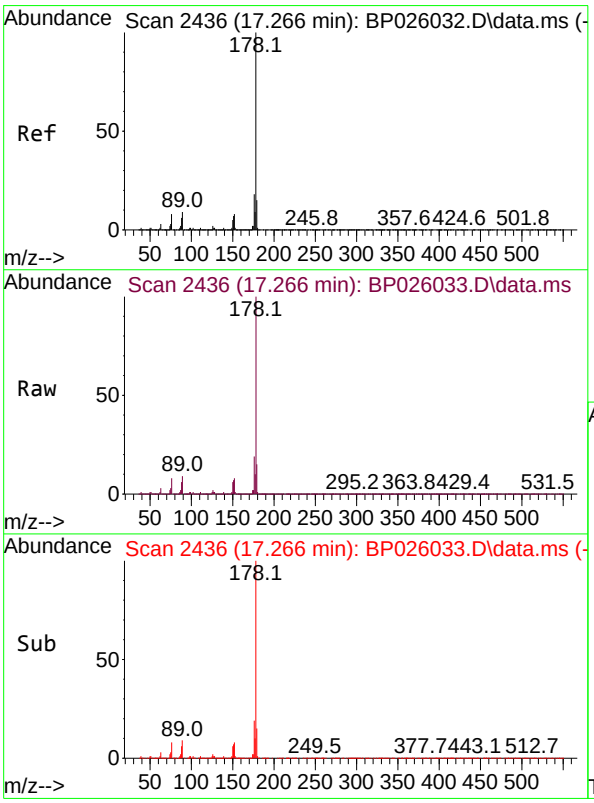
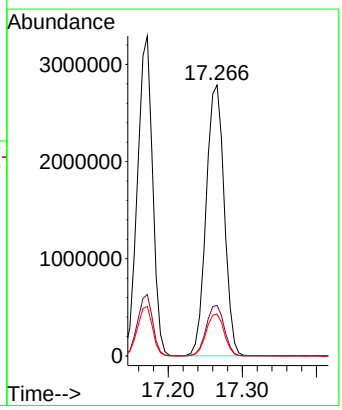


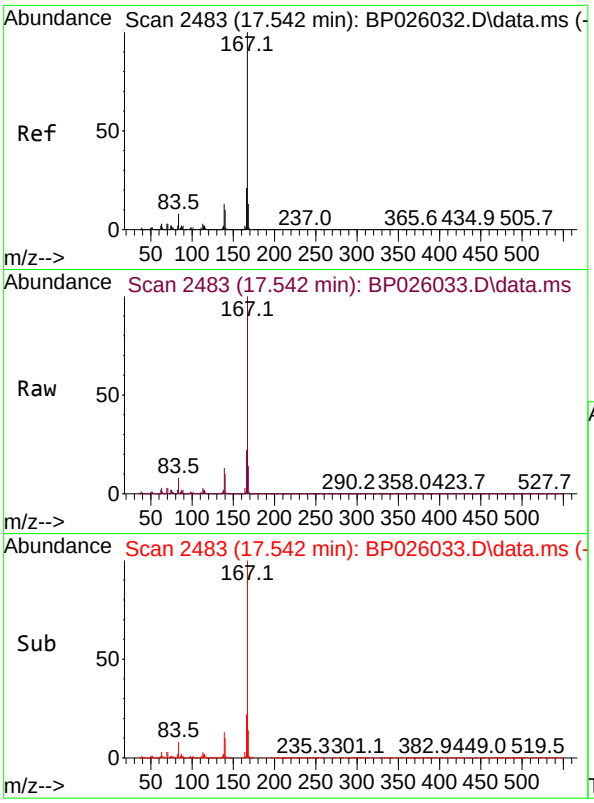


#72
Anthracene
Concen: 45.221 ng
RT: 17.266 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:178 Resp: 4704548

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.4	12.2	18.4





#73
Carbazole
Concen: 44.353 ng
RT: 17.542 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:167 Resp: 436788

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.1	10.2	15.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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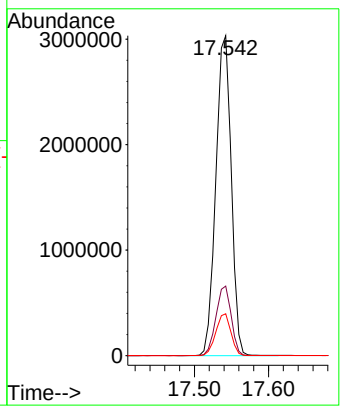
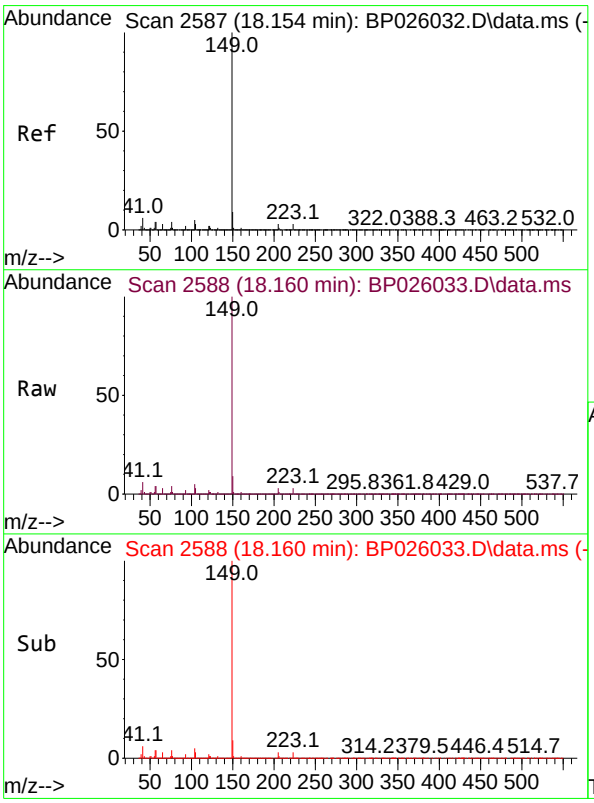
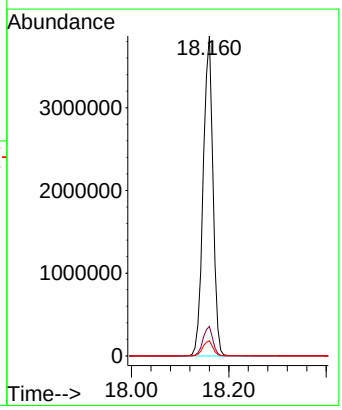


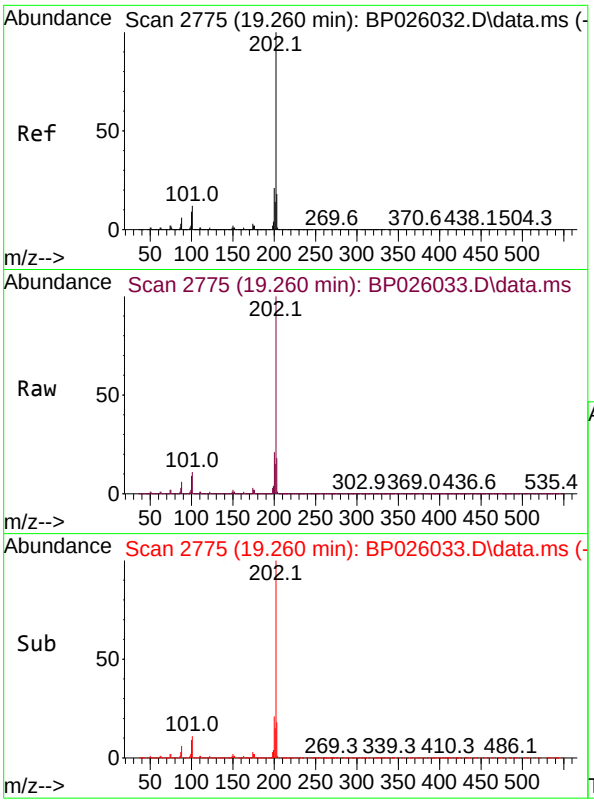


#74
Di-n-butylphthalate
Concen: 48.928 ng
RT: 18.160 min Scan# 2588
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:149 Resp: 5391627

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	3.8	5.6





#75
Fluoranthene
Concen: 45.075 ng
RT: 19.260 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:202 Resp: 5518479

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.1
203	18.0	0.0	37.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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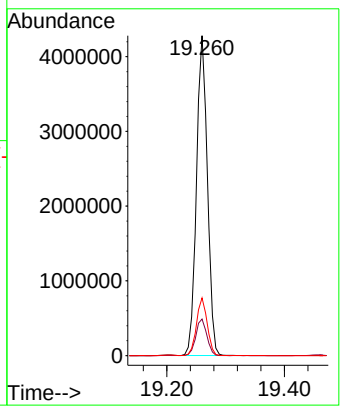
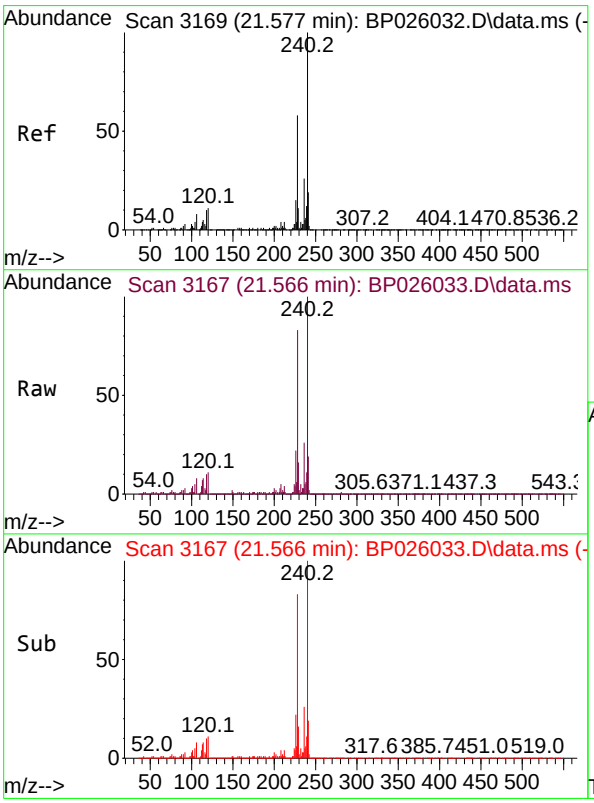
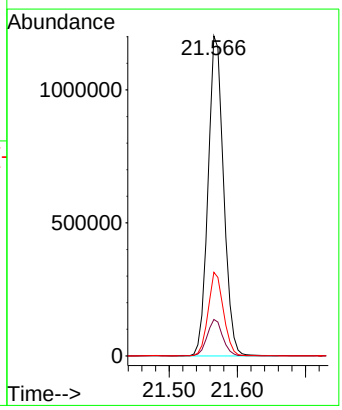


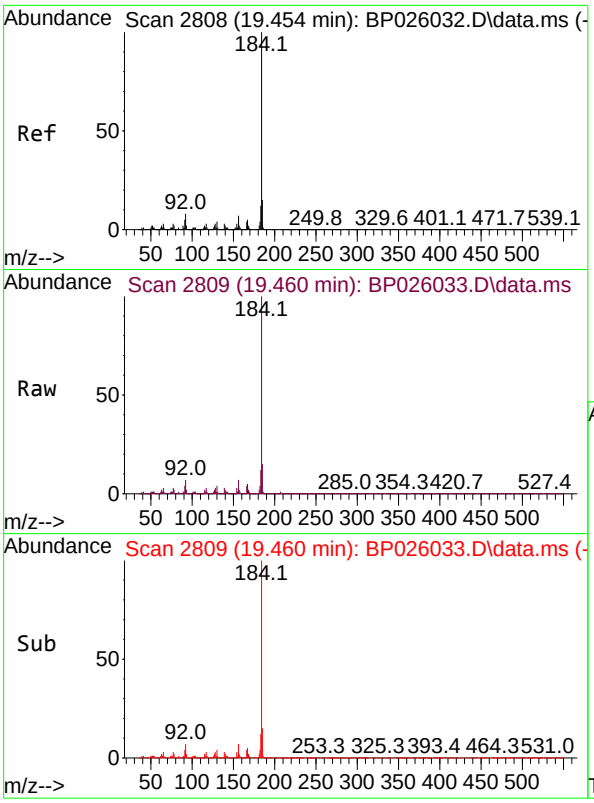


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:240 Resp: 1902632

Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.9	13.3
236	26.1	20.6	31.0





#77
Benzidine
Concen: 44.405 ng
RT: 19.460 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:184 Resp: 214446

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	11.6	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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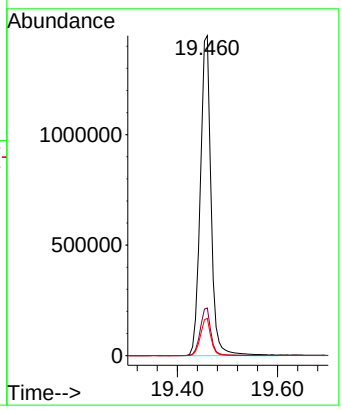
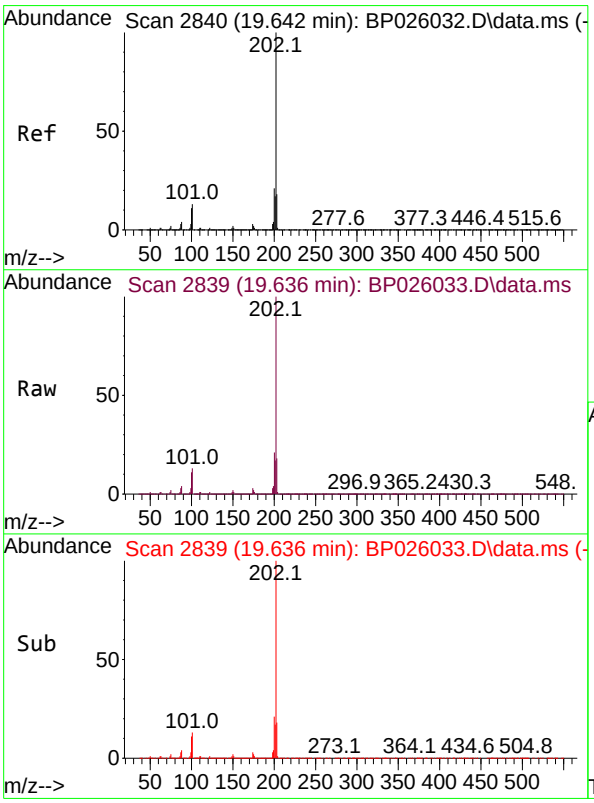
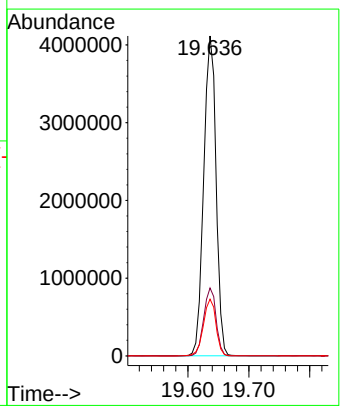


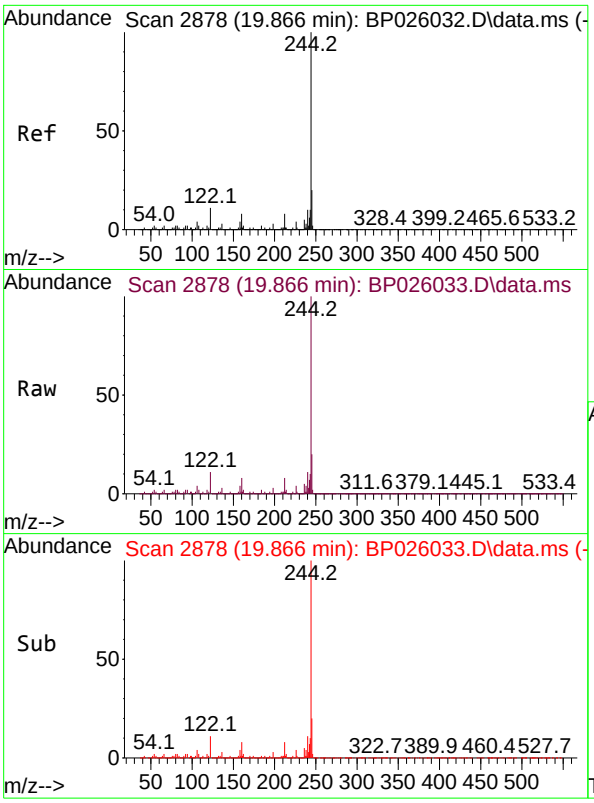


#78
Pyrene
Concen: 44.987 ng
RT: 19.636 min Scan# 2839
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:202 Resp: 5789133

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	17.7	14.0	21.0





#79
Terphenyl-d14
Concen: 87.388 ng
RT: 19.866 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:244 Resp: 818373

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	10.9	9.0	13.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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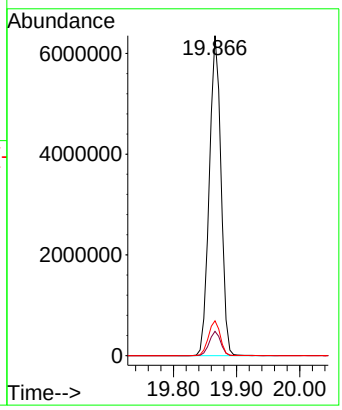
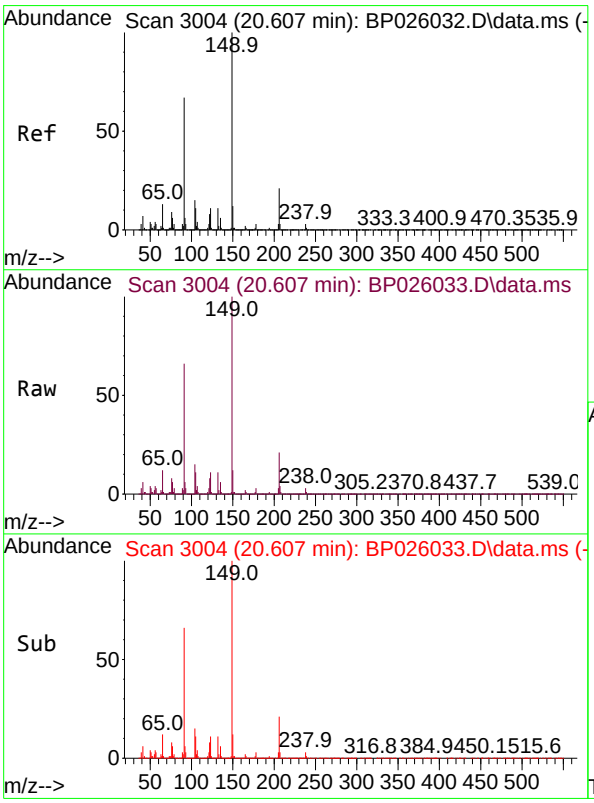
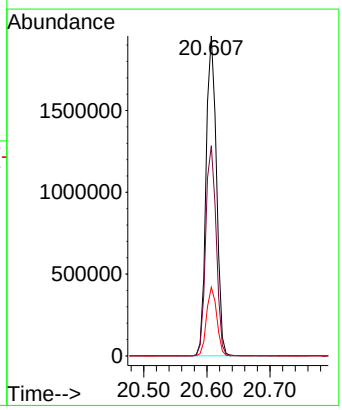


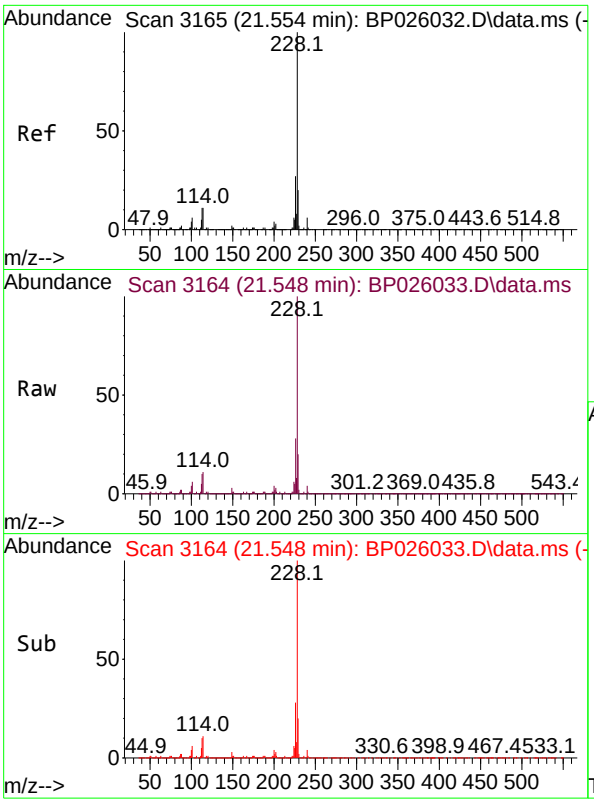


#80
Butylbenzylphthalate
Concen: 46.457 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:149 Resp: 2226346

Ion	Ratio	Lower	Upper
149	100		
91	65.7	53.5	80.3
206	21.4	16.6	25.0





#81
Benzo(a)anthracene
Concen: 44.546 ng
RT: 21.548 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:228 Resp: 5824139

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.7	32.5
229	20.0	15.8	23.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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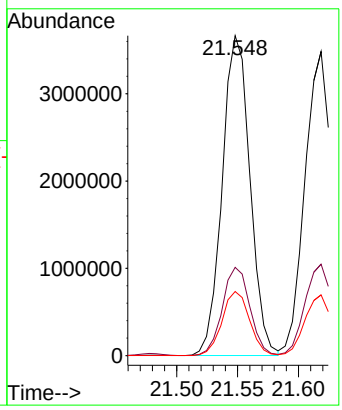
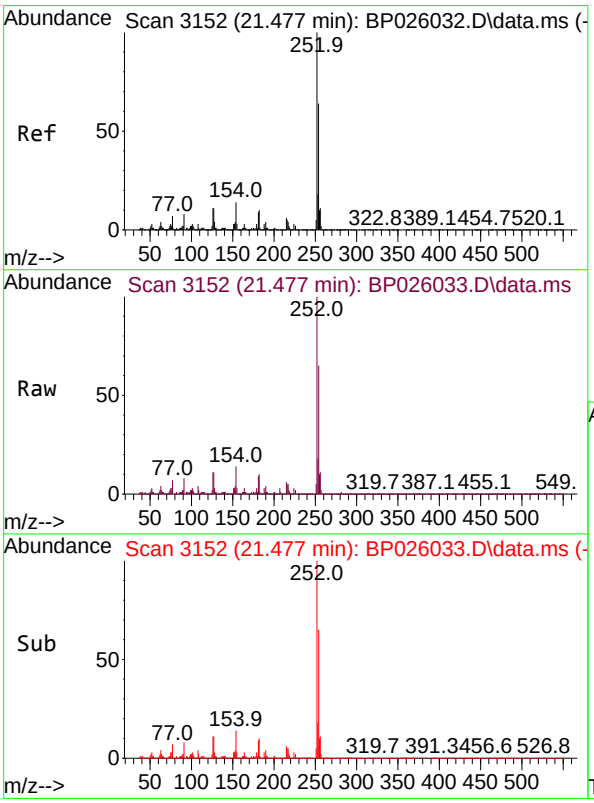
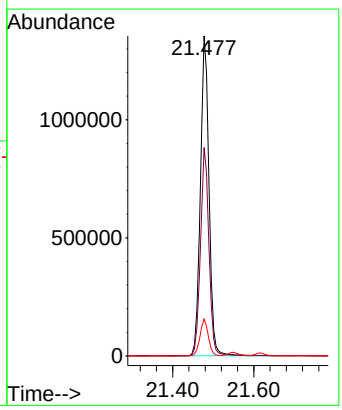


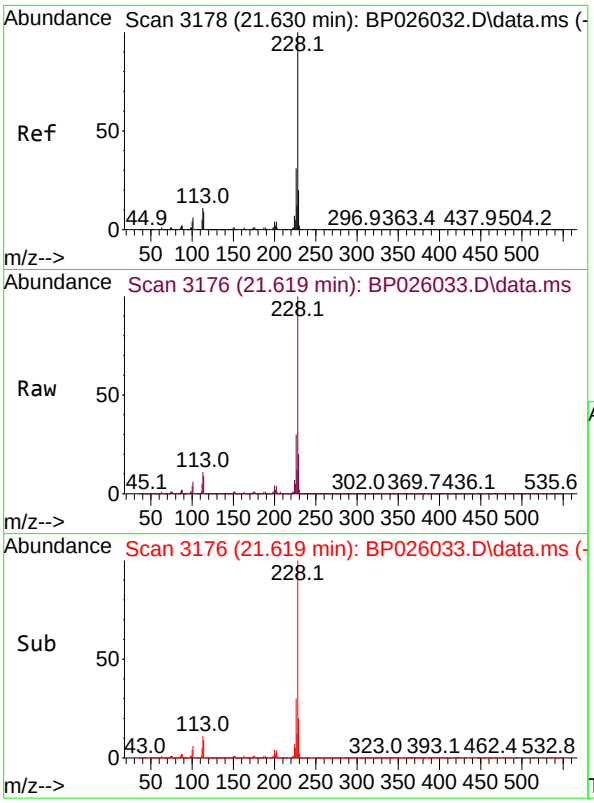


#82
3,3'-Dichlorobenzidine
Concen: 47.020 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:252 Resp: 1980734

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.3	76.9
126	11.5	9.1	13.7





#83
Chrysene
Concen: 44.884 ng
RT: 21.619 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:228 Resp: 5558878

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	20.0	16.0	24.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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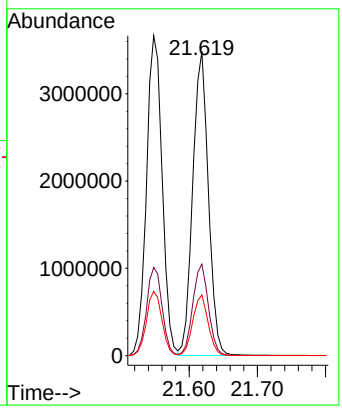
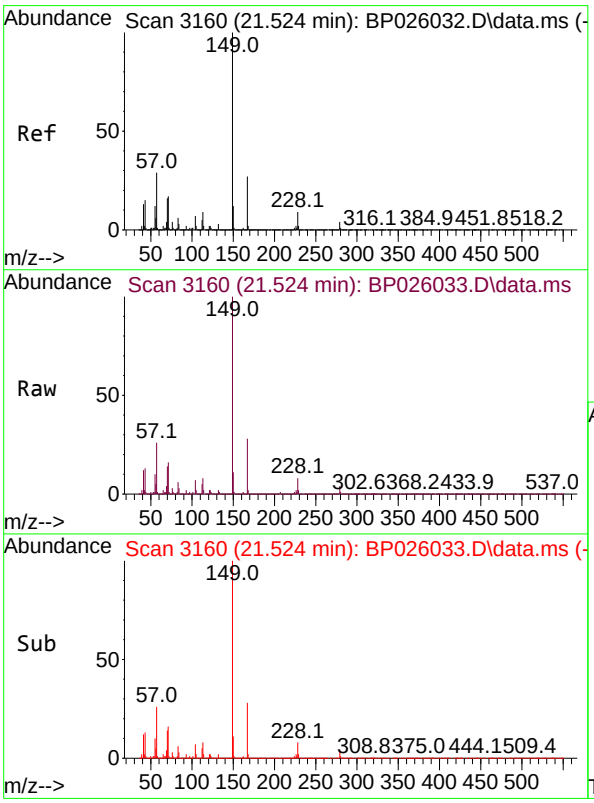
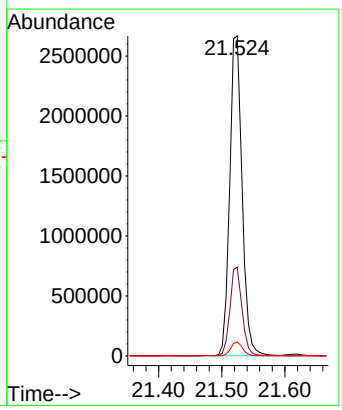


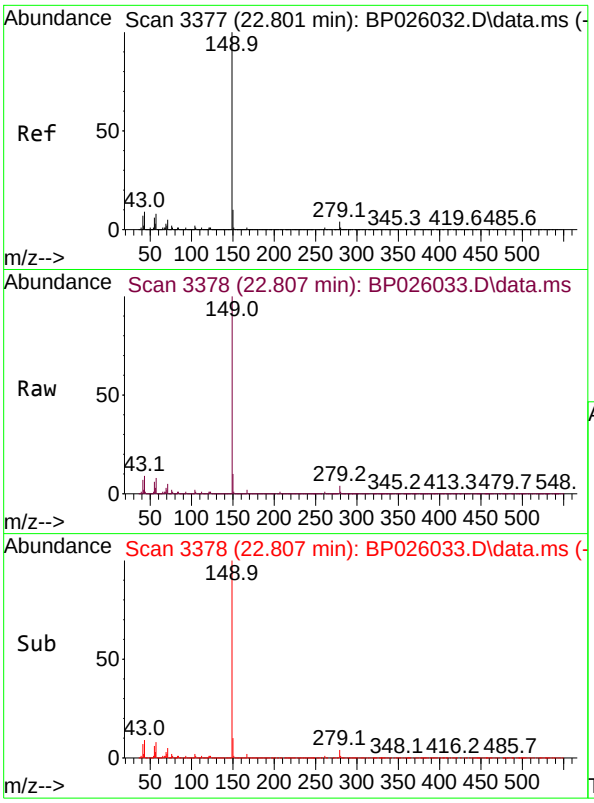


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.172 ng
RT: 21.524 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:149 Resp: 3652585

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.5	32.3
279	4.4	3.0	4.6





#85
Di-n-octyl phthalate
Concen: 51.985 ng
RT: 22.807 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:149 Resp: 588783

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.2	7.6	11.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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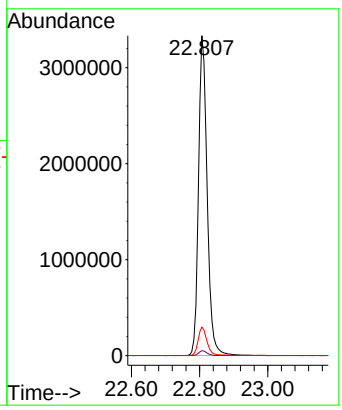
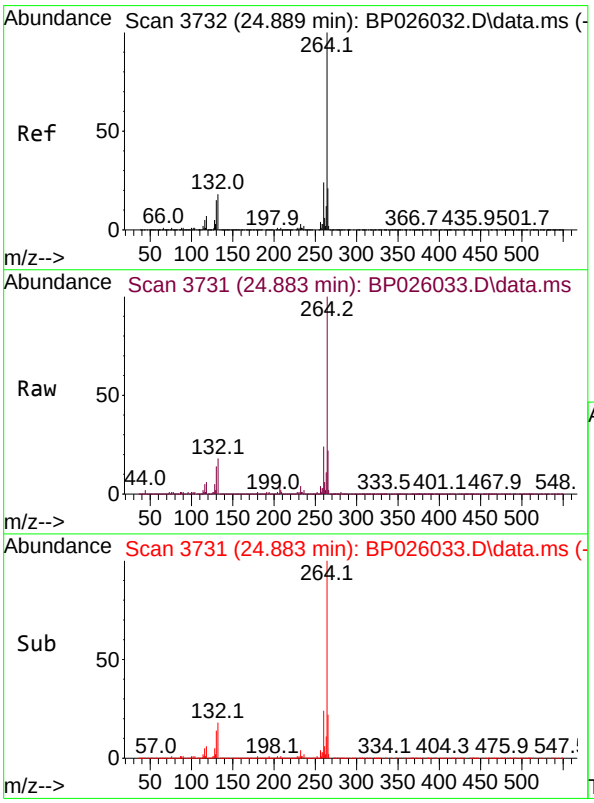
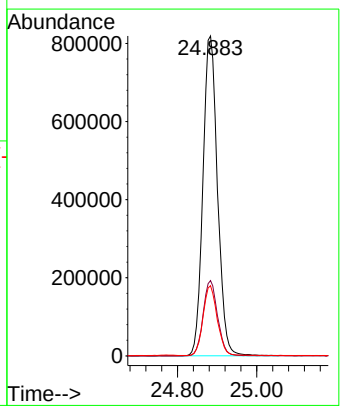


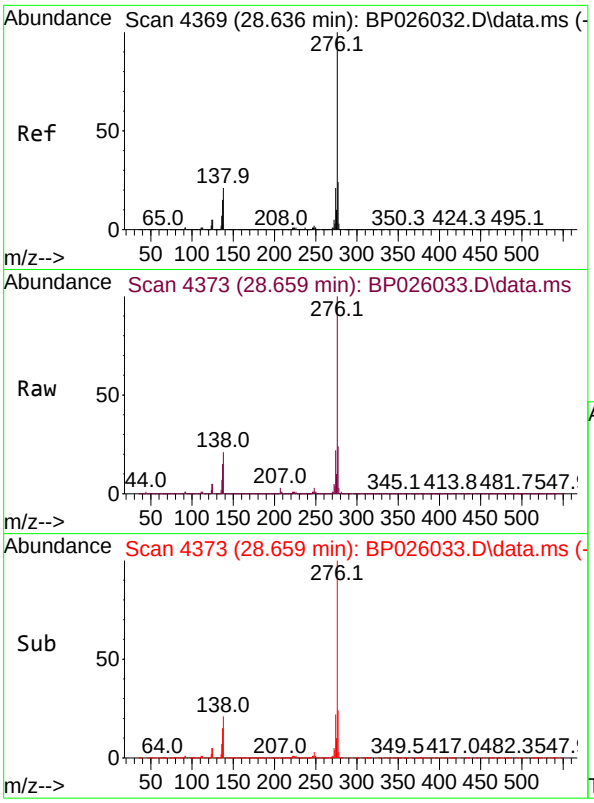


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:264 Resp: 2091380

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.9	17.2	25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 46.456 ng m
RT: 28.659 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:276 Resp: 716992

Ion	Ratio	Lower	Upper
276	100		
138	16.6	13.2	19.8
277	20.1	16.3	24.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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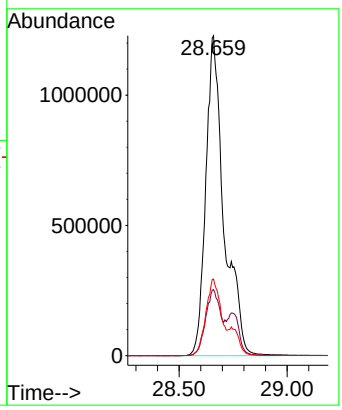
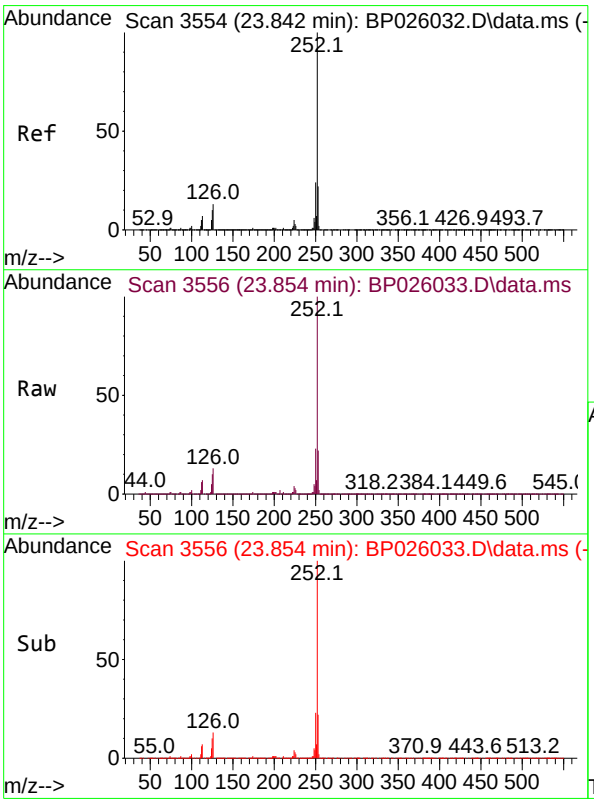
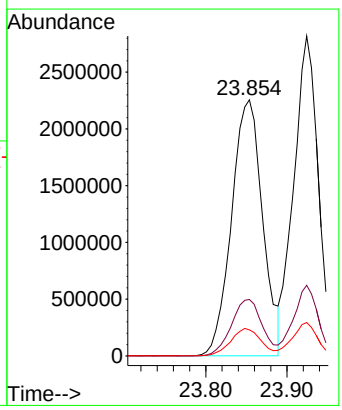


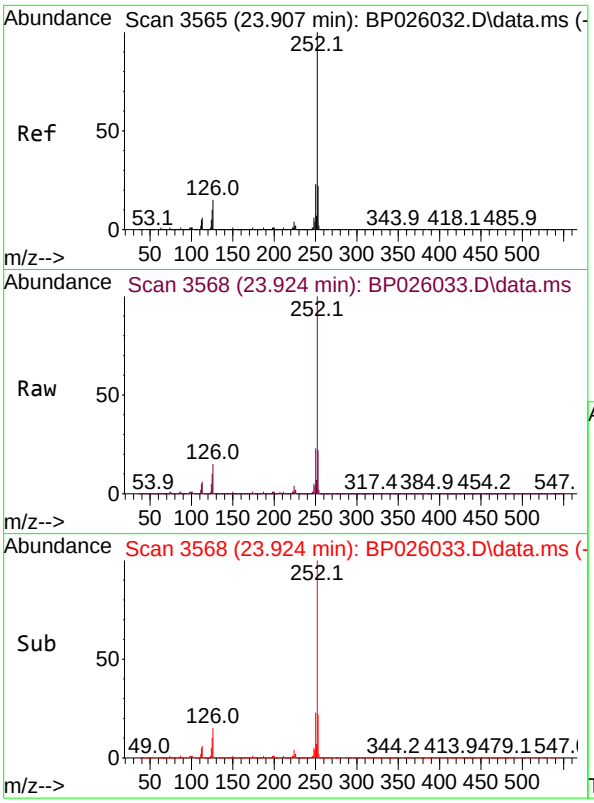


#88
Benzo(b)fluoranthene
Concen: 46.280 ng
RT: 23.854 min Scan# 3556
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:252 Resp: 6008578

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.2	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 44.984 ng
RT: 23.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

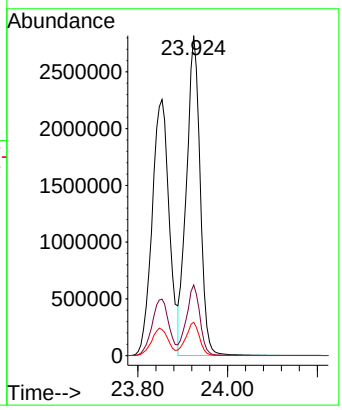
Tgt Ion:252 Resp: 596395

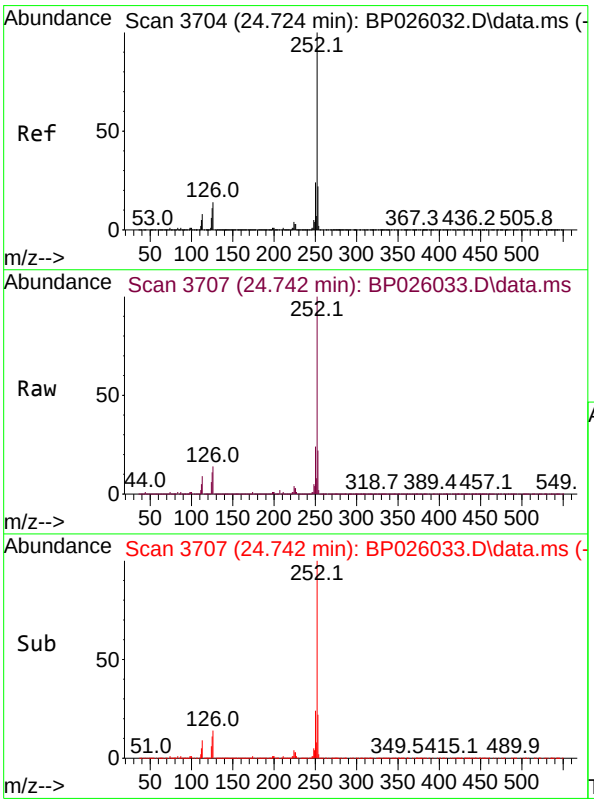
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.4	8.1	12.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

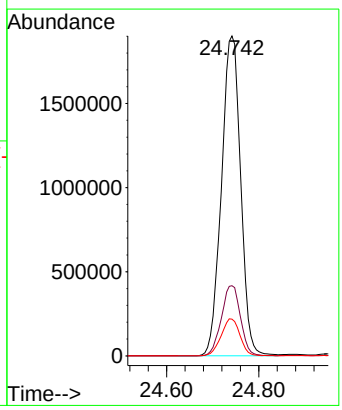


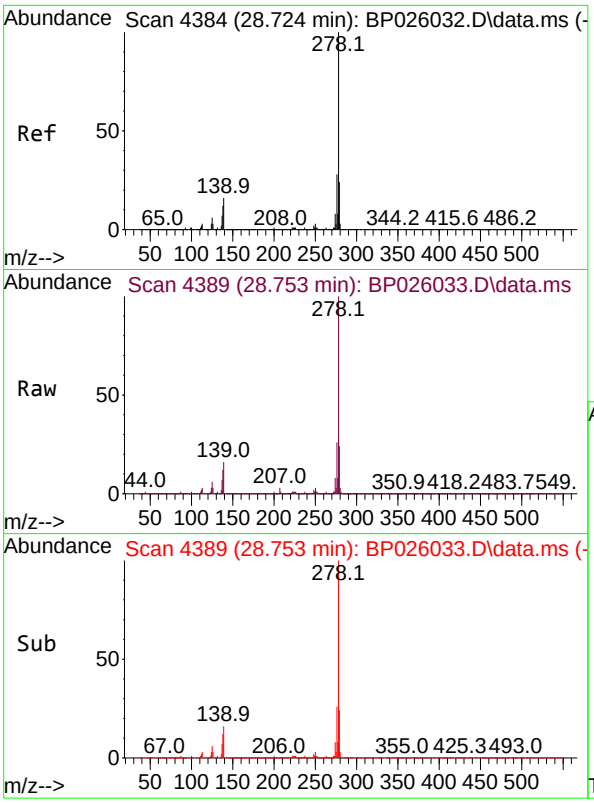


#90
Benzo(a)pyrene
Concen: 46.197 ng
RT: 24.742 min Scan# 3707
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:252 Resp: 5510203

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	11.5	9.1	13.7





#91
Dibenzo(a,h)anthracene
Concen: 46.490 ng
RT: 28.753 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

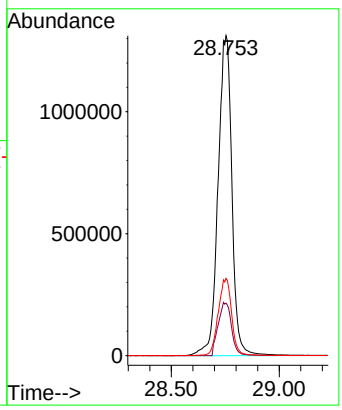
Tgt Ion:278 Resp: 584146

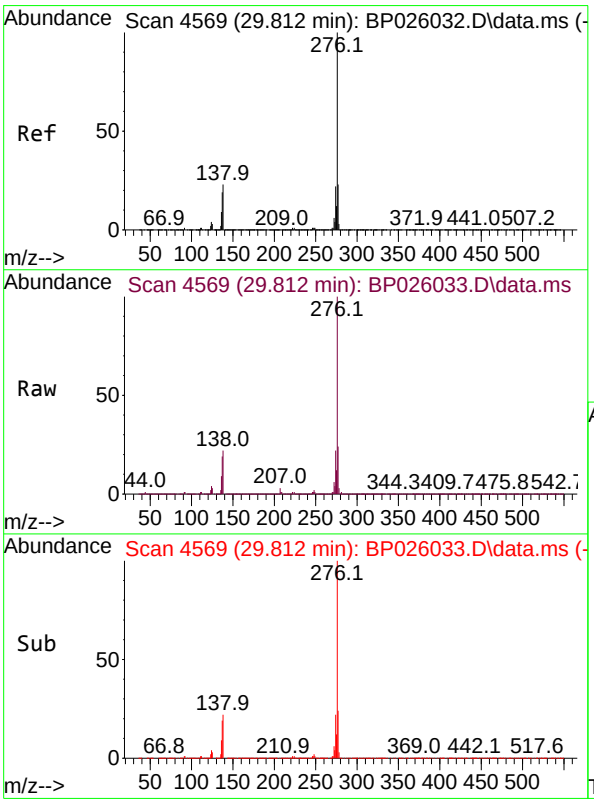
Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.0	19.6
279	24.2	18.9	28.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

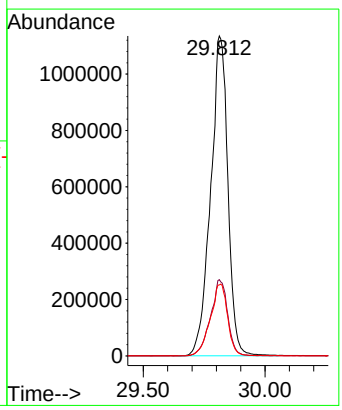




#92
Benzo(g,h,i)perylene
Concen: 46.163 ng
RT: 29.812 min Scan# 4569
Delta R.T. -0.017 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:276 Resp: 5581541

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.5	27.7
138	22.2	18.1	27.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026034.D
Acq On : 29 Oct 2025 13:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Oct 29 18:08:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	294204	20.000	ng		0.00
21) Naphthalene-d8	10.448	136	1188234	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	740246	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1468570	20.000	ng		0.00
76) Chrysene-d12	21.583	240	1519622	20.000	ng		0.02
86) Perylene-d12	24.895	264	1658930	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.302	112	2326169	130.467	ng		0.00
7) Phenol-d6	6.855	99	2901394	127.851	ng		0.00
23) Nitrobenzene-d5	8.825	82	2556249	134.112	ng		0.00
42) 2,4,6-Tribromophenol	15.842	330	1109676	138.661	ng		0.01
45) 2-Fluorobiphenyl	12.931	172	6359685	123.451	ng		0.00
79) Terphenyl-d14	19.871	244	9289969	124.204	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.243	88	477216	63.490	ng		99
3) Pyridine	3.625	79	1369619	64.099	ng		99
4) n-Nitrosodimethylamine	3.543	42	538920	62.930	ng		96
6) Aniline	7.019	93	1904638	62.886	ng		99
8) 2-Chlorophenol	7.255	128	1304563	66.075	ng		99
9) Benzaldehyde	6.831	77	702436	59.544	ng		99
10) Phenol	6.884	94	1609307	63.877	ng		99
11) bis(2-Chloroethyl)ether	7.113	93	1252563	62.998	ng		99
12) 1,3-Dichlorobenzene	7.578	146	1421445	62.690	ng		99
13) 1,4-Dichlorobenzene	7.719	146	1441195	62.866	ng		99
14) 1,2-Dichlorobenzene	8.031	146	1368134	62.542	ng		98
15) Benzyl Alcohol	7.913	79	1040602	63.606	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1838598	61.185	ng		99
17) 2-Methylphenol	8.113	107	1068062	64.741	ng		99
18) Hexachloroethane	8.754	117	501286	63.902	ng		98
19) n-Nitroso-di-n-propyla...	8.484	70	904719	64.223	ng		97
20) 3+4-Methylphenols	8.437	107	1452480	63.287	ng		99
22) Acetophenone	8.490	105	1872894	62.324	ng	#	99
24) Nitrobenzene	8.866	77	1321111	65.646	ng		99
25) Isophorone	9.384	82	2601391	63.763	ng		99
27) 2,4-Dimethylphenol	9.625	122	1124076	65.520	ng		98
28) bis(2-Chloroethoxy)met...	9.872	93	1608539	62.561	ng		99
29) 2,4-Dichlorophenol	10.096	162	1213575	66.994	ng		100
30) 1,2,4-Trichlorobenzene	10.313	180	1238545	62.905	ng		98
31) Naphthalene	10.501	128	4053338	62.555	ng		100
32) Benzoic acid	9.766	122	733177	63.317	ng		97
33) 4-Chloroaniline	10.601	127	1586613	63.721	ng		99
34) Hexachlorobutadiene	10.790	225	792964	63.376	ng		99
35) Caprolactam	11.372	113	414253	65.121	ng		93
36) 4-Chloro-3-methylphenol	11.725	107	1268077	66.778	ng		100
37) 2-Methylnaphthalene	12.113	142	2826130	62.316	ng		100
38) 1-Methylnaphthalene	12.337	142	2744994	62.303	ng		99
40) 1,2,4,5-Tetrachloroben...	12.490	216	1452519	63.152	ng		100
41) Hexachlorocyclopentadiene	12.478	237	577139	68.581	ng		97
43) 2,4,6-Trichlorophenol	12.731	196	947367	69.685	ng		99
44) 2,4,5-Trichlorophenol	12.795	196	1042039	67.173	ng		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026034.D
Acq On : 29 Oct 2025 13:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Oct 29 18:08:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) 1,1'-Biphenyl	13.137	154	3519299	62.090 ng	100
47) 2-Chloronaphthalene	13.178	162	2781932	62.380 ng	98
48) 2-Nitroaniline	13.378	65	737734	64.505 ng	98
49) Acenaphthylene	14.037	152	4167114	64.110 ng	100
50) Dimethylphthalate	13.778	163	3449991	64.073 ng	100
51) 2,6-Dinitrotoluene	13.878	165	652327	64.811 ng	99
52) Acenaphthene	14.389	154	2837620	63.592 ng	99
53) 3-Nitroaniline	14.213	138	780369	63.434 ng	99
54) 2,4-Dinitrophenol	14.425	184	274254	63.744 ng	95
55) Dibenzofuran	14.725	168	4183126	62.047 ng	100
56) 4-Nitrophenol	14.525	139	688114	64.089 ng	99
57) 2,4-Dinitrotoluene	14.684	165	961200	65.768 ng	95
58) Fluorene	15.383	166	3313648	62.737 ng	100
59) 2,3,4,6-Tetrachlorophenol	14.948	232	858179	70.360 ng	100
60) Diethylphthalate	15.172	149	3534128	65.288 ng	100
61) 4-Chlorophenyl-phenyle...	15.395	204	1640879	62.210 ng	99
62) 4-Nitroaniline	15.401	138	817496	71.051 ng	99
63) Azobenzene	15.689	77	3079138	62.764 ng	98
65) 4,6-Dinitro-2-methylph...	15.460	198	420911	64.124 ng	95
66) n-Nitrosodiphenylamine	15.607	169	2901612	63.193 ng	100
67) 4-Bromophenyl-phenylether	16.307	248	1043905	64.082 ng	98
68) Hexachlorobenzene	16.419	284	1180264	63.645 ng	100
69) Atrazine	16.595	200	1050788	67.838 ng	98
70) Pentachlorophenol	16.760	266	783472	69.166 ng	99
71) Phenanthrene	17.172	178	5263383	61.576 ng	99
72) Anthracene	17.266	178	5375909	63.447 ng	100
73) Carbazole	17.542	167	5059908	63.086 ng	100
74) Di-n-butylphthalate	18.154	149	6072603	67.663 ng	100
75) Fluoranthene	19.266	202	6263426	62.816 ng	99
77) Benzidine	19.454	184	2726283	70.680 ng	100
78) Pyrene	19.648	202	6521771	63.454 ng	99
80) Butylbenzylphthalate	20.613	149	2549176	65.127 ng	97
81) Benzo(a)anthracene	21.566	228	6577757	62.991 ng	99
82) 3,3'-Dichlorobenzidine	21.477	252	2266707	67.371 ng	100
83) Chrysene	21.630	228	6150315	62.176 ng	99
84) Bis(2-ethylhexyl)phtha...	21.536	149	3949393	62.903 ng	99
85) Di-n-octyl phthalate	22.807	149	6415656	70.922 ng	99
87) Indeno(1,2,3-cd)pyrene	28.665	276	8109098	66.237 ng	99
88) Benzo(b)fluoranthene	23.848	252	6695122	65.011 ng	100
89) Benzo(k)fluoranthene	23.912	252	6702900	63.737 ng	99
90) Benzo(a)pyrene	24.736	252	6233786	65.888 ng	99
91) Dibenzo(a,h)anthracene	28.759	278	6571045	65.929 ng	100
92) Benzo(g,h,i)perylene	29.830	276	6265775	65.331 ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

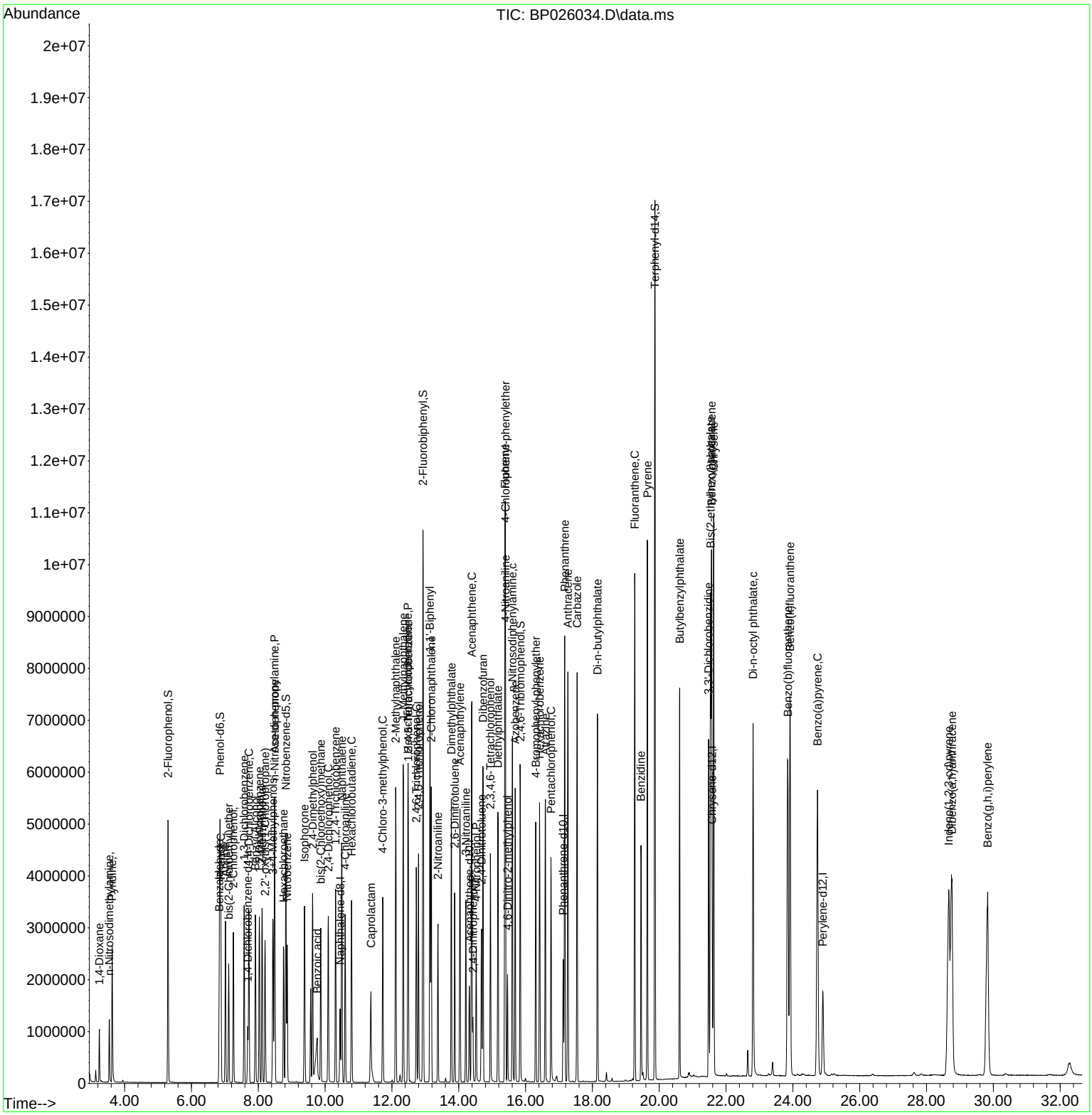
Quantitation Report (QT Reviewed)

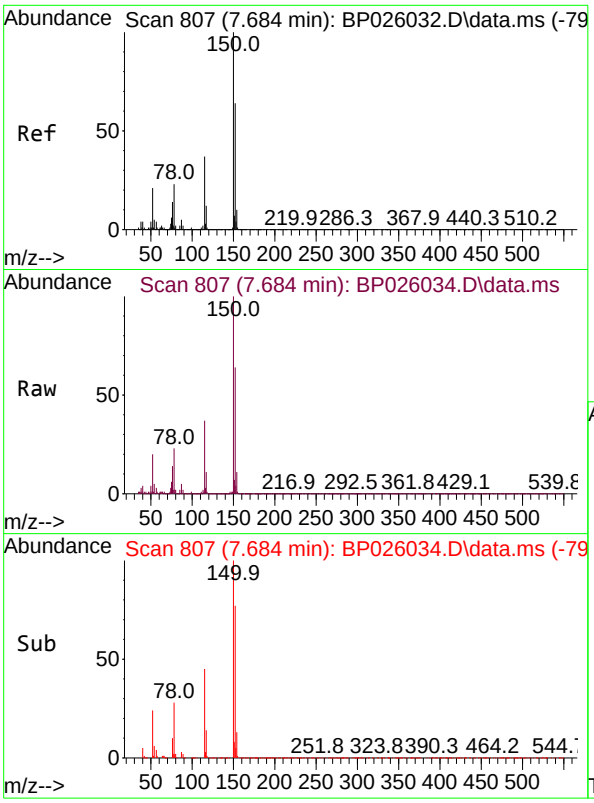
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026034.D
Acq On : 29 Oct 2025 13:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Oct 29 18:08:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



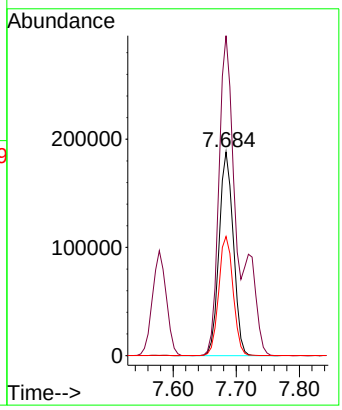


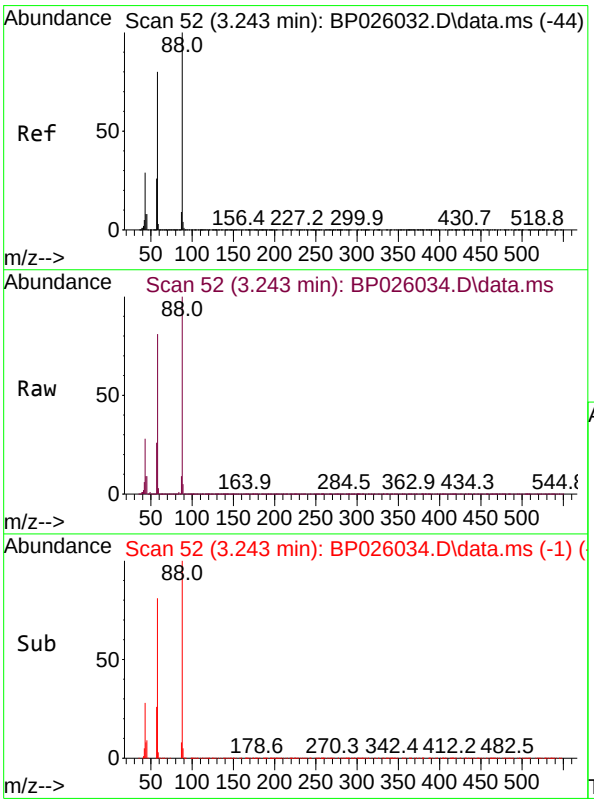
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 294204

Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.7	188.5
115	58.6	46.4	69.6

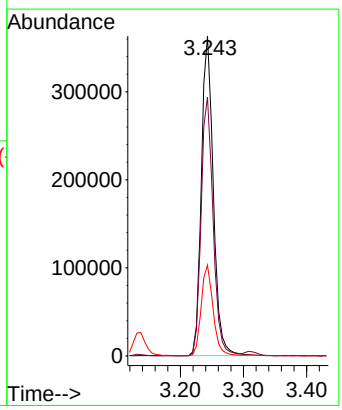


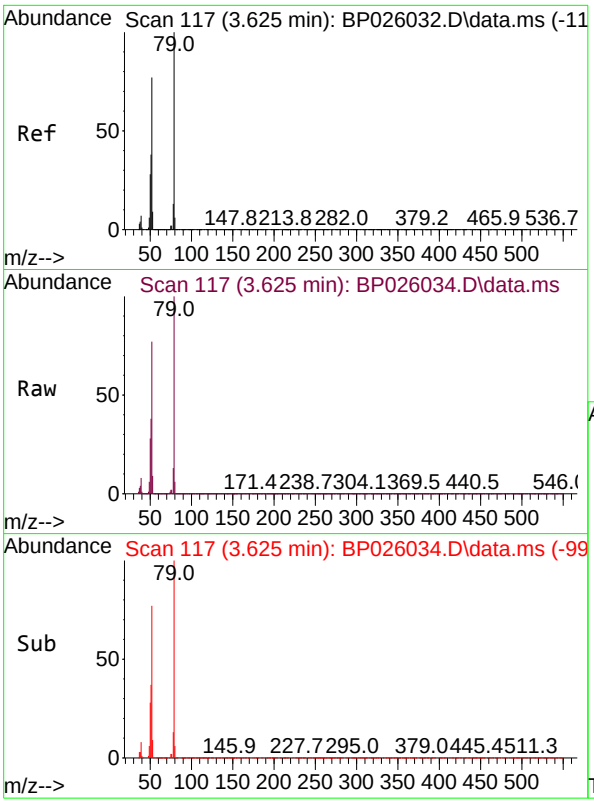


#2
1,4-Dioxane
Concen: 63.490 ng
RT: 3.243 min Scan# 52
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 88 Resp: 477216

Ion	Ratio	Lower	Upper
88	100		
58	81.2	65.4	98.0
43	28.2	23.1	34.7



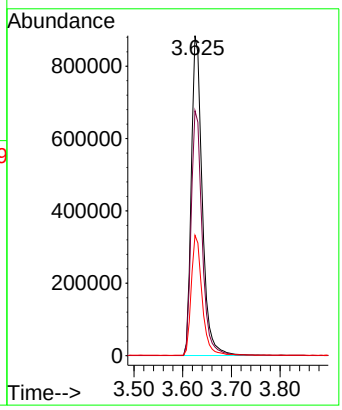


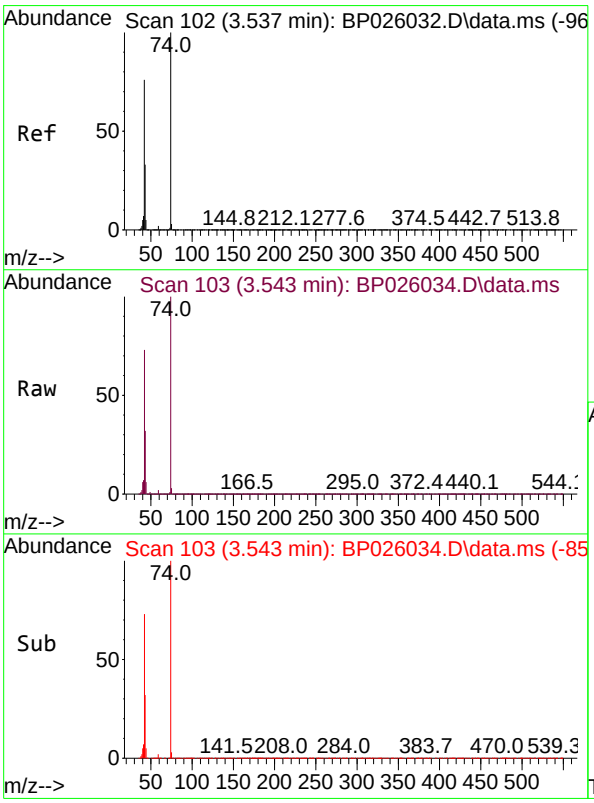
#3
Pyridine
Concen: 64.099 ng
RT: 3.625 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1369619

Ion	Ratio	Lower	Upper
79	100		
52	76.5	62.0	93.0
51	37.6	30.6	46.0

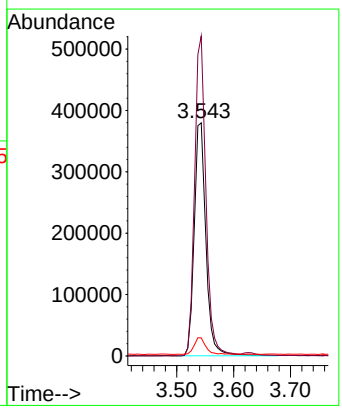


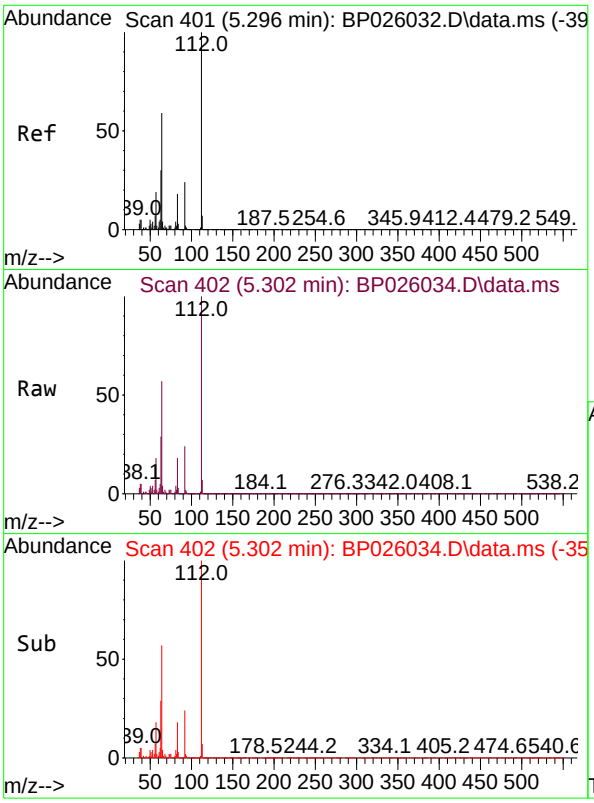


#4
n-Nitrosodimethylamine
Concen: 62.930 ng
RT: 3.543 min Scan# 103
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 42 Resp: 538920

Ion	Ratio	Lower	Upper
42	100		
74	137.3	105.7	158.5
44	7.7	6.6	9.8



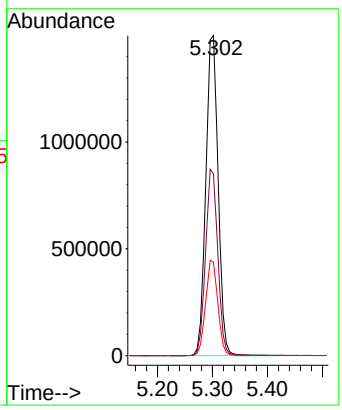


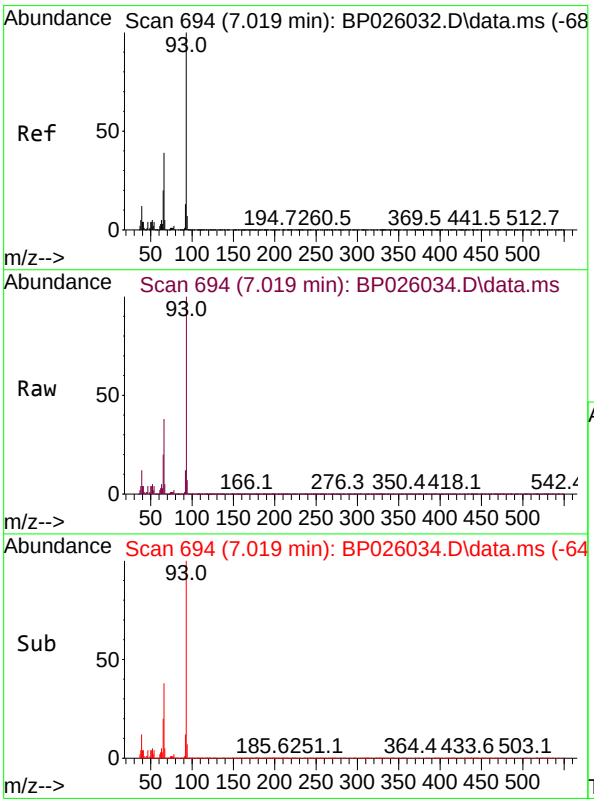
#5
2-Fluorophenol
Concen: 130.467 ng
RT: 5.302 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 2326169

Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.4	71.2
63	29.3	24.2	36.4

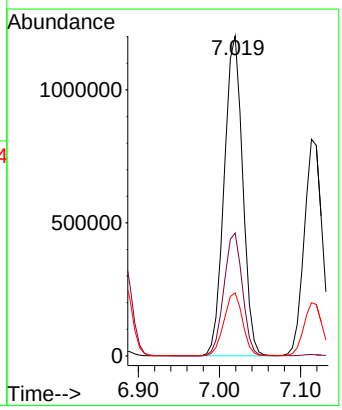


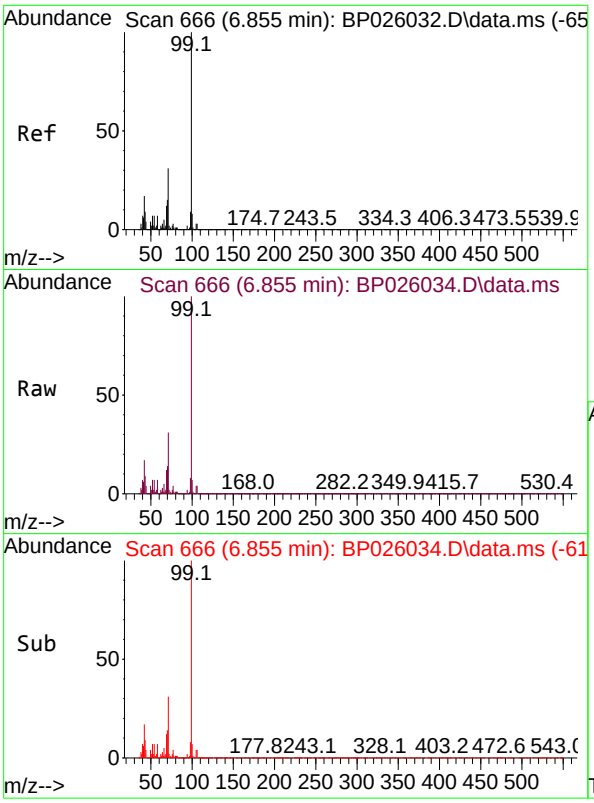


#6
Aniline
Concen: 62.886 ng
RT: 7.019 min Scan# 694
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 93 Resp: 1904638

Ion	Ratio	Lower	Upper
93	100		
66	38.4	31.2	46.8
65	19.7	16.1	24.1



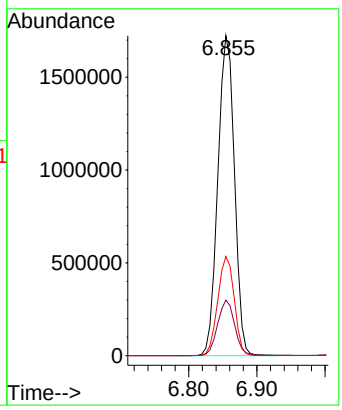


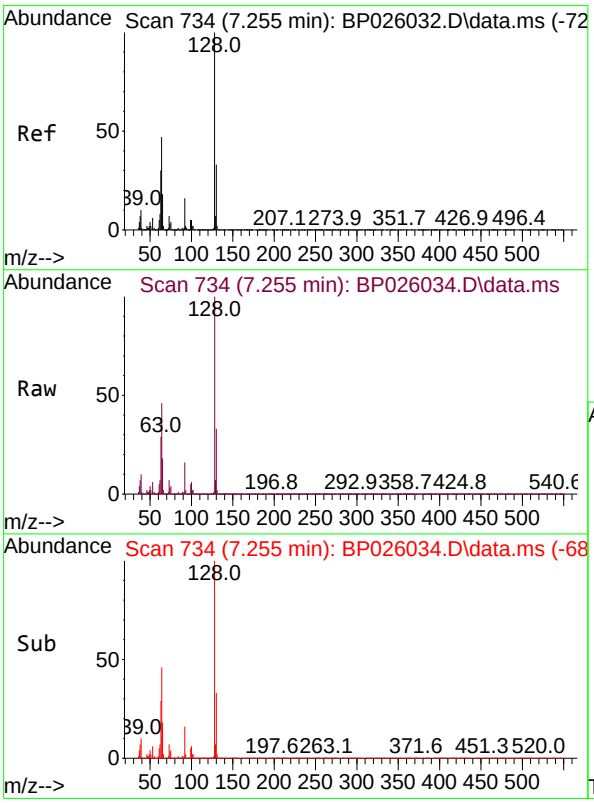
#7
Phenol-d6
Concen: 127.851 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2901394

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.7	20.5
71	31.0	24.4	36.6

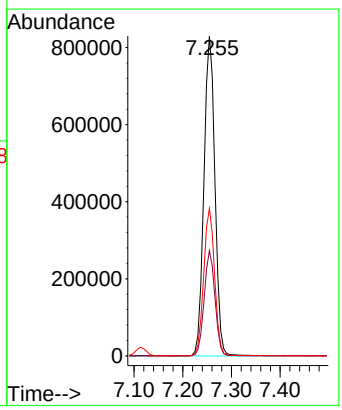


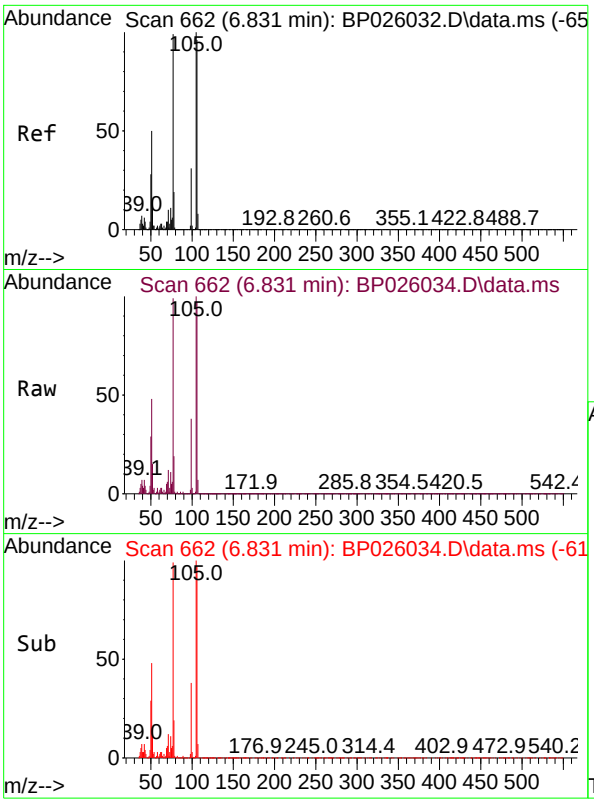


#8
2-Chlorophenol
Concen: 66.075 ng
RT: 7.255 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:128 Resp: 1304563

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.7	52.7
64	46.1	27.4	67.4



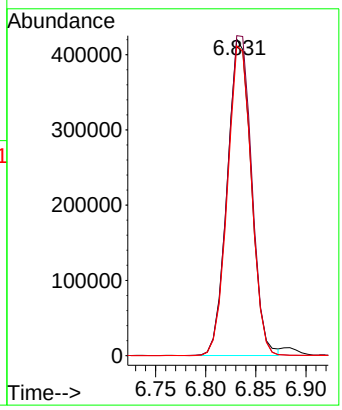


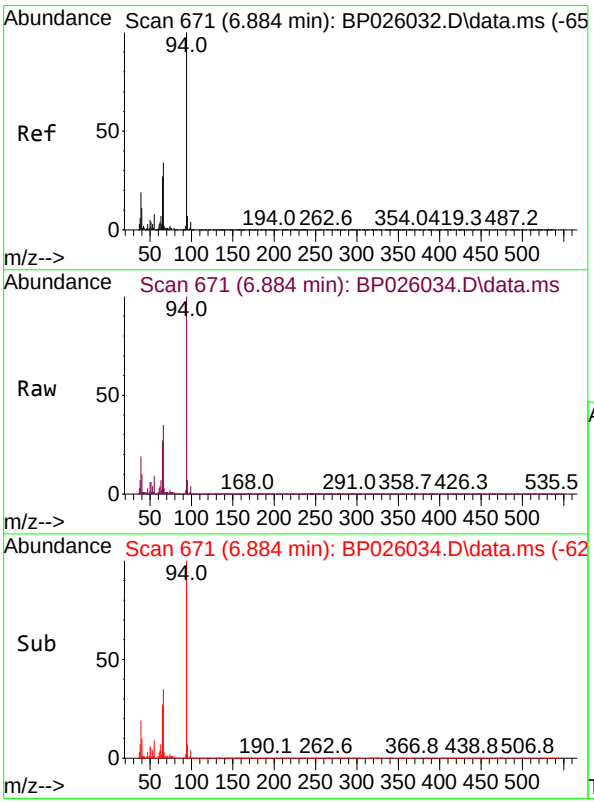
#9
Benzaldehyde
Concen: 59.544 ng
RT: 6.831 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 702436

Ion	Ratio	Lower	Upper
77	100		
105	101.2	80.7	120.7
106	97.9	76.5	116.5

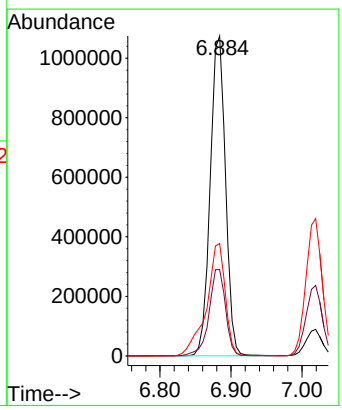


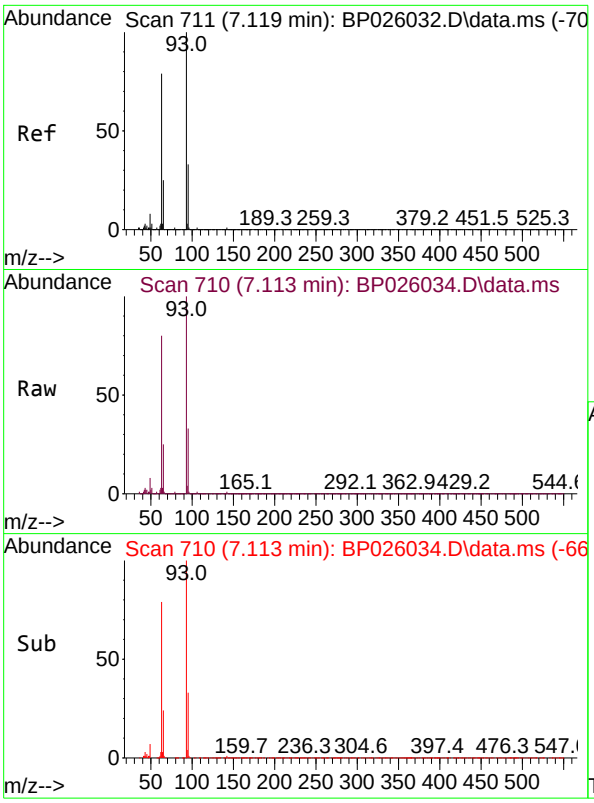


#10
Phenol
Concen: 63.877 ng
RT: 6.884 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 94 Resp: 1609307

Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.1	47.1
66	35.1	14.4	54.4



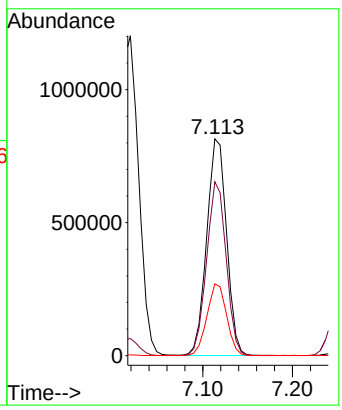


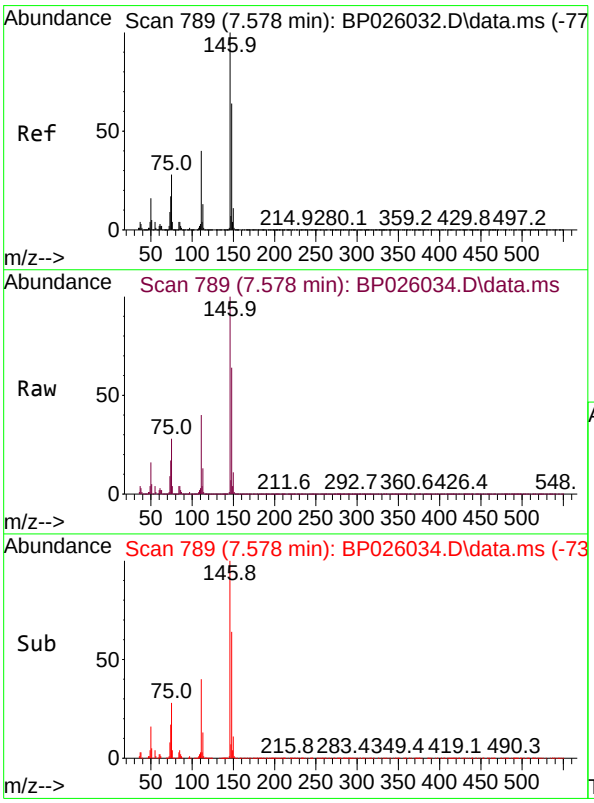
#11
bis(2-Chloroethyl)ether
Concen: 62.998 ng
RT: 7.113 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1252563

Ion	Ratio	Lower	Upper
93	100		
63	80.2	59.1	99.1
95	33.1	12.6	52.6

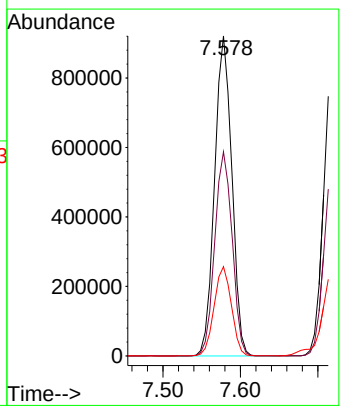


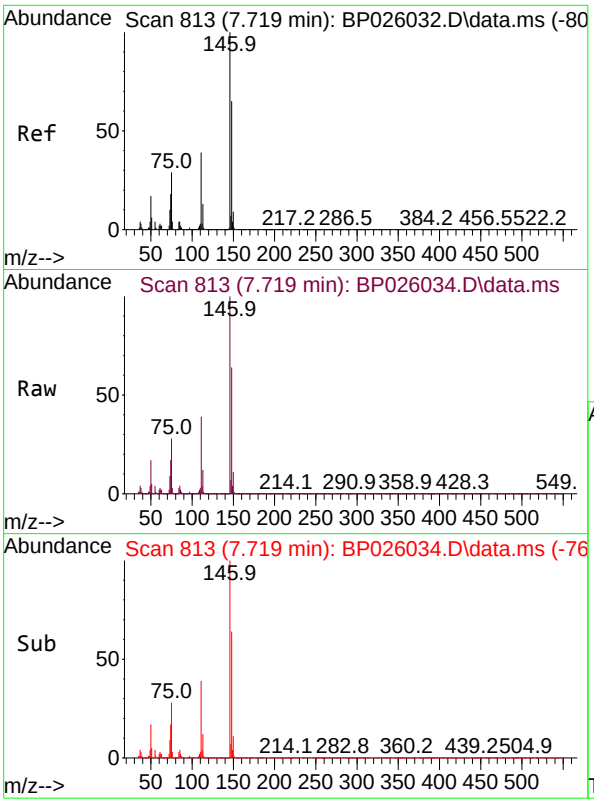


#12
1,3-Dichlorobenzene
Concen: 62.690 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:146 Resp: 1421445

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.6	77.4
75	27.9	22.6	33.8



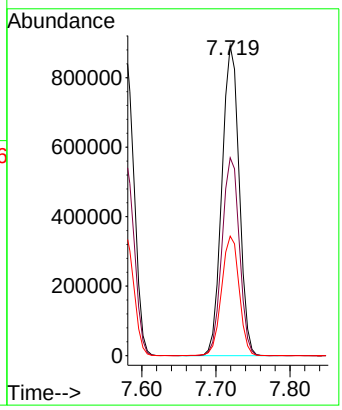


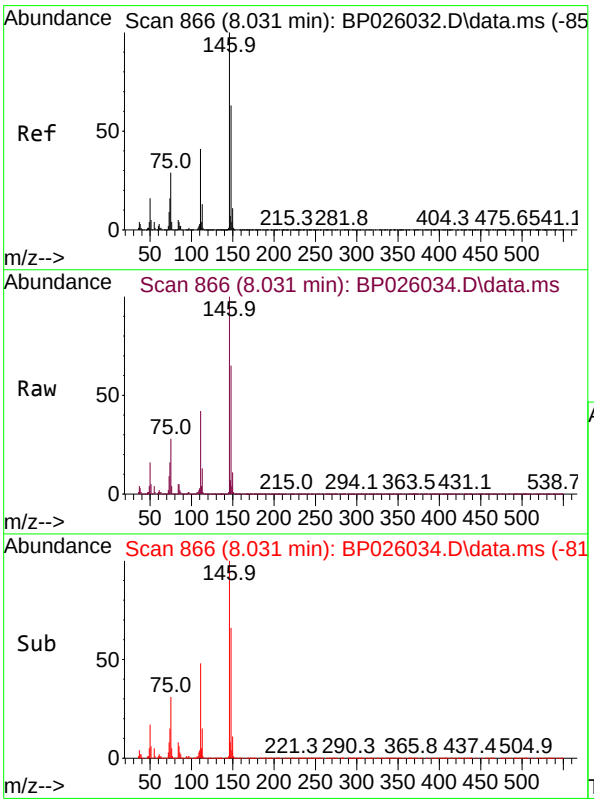
#13
1,4-Dichlorobenzene
Concen: 62.866 ng
RT: 7.719 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1441195

Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.2	78.2
111	38.6	31.3	46.9

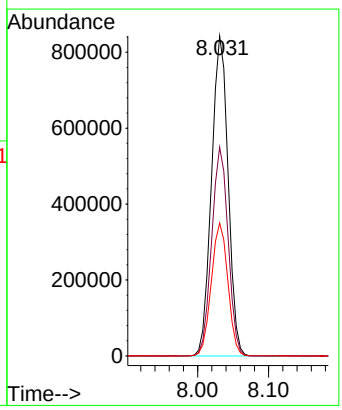


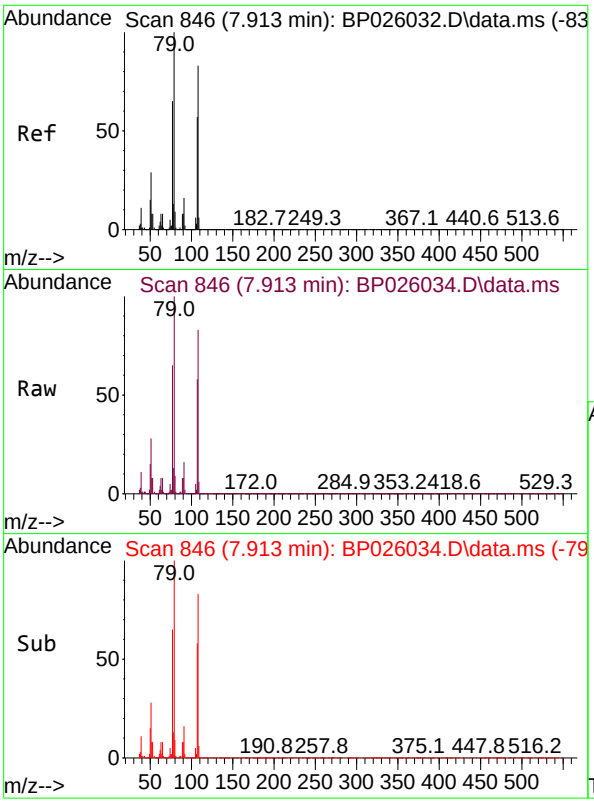


#14
1,2-Dichlorobenzene
Concen: 62.542 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:146 Resp: 1368134

Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.8	76.2
111	41.5	33.0	49.4



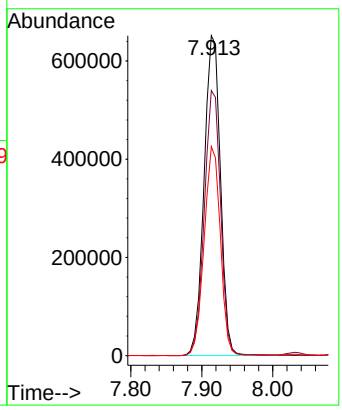


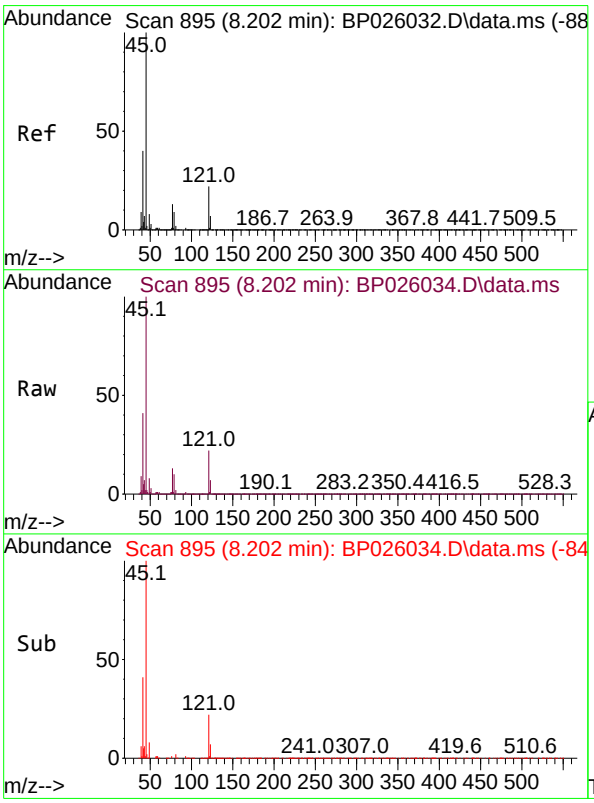
#15
Benzyl Alcohol
Concen: 63.606 ng
RT: 7.913 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1040602

Ion	Ratio	Lower	Upper
79	100		
108	82.8	66.0	99.0
77	65.3	52.3	78.5

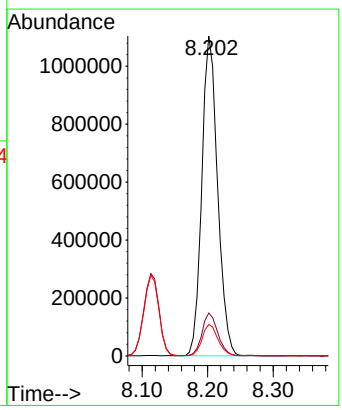


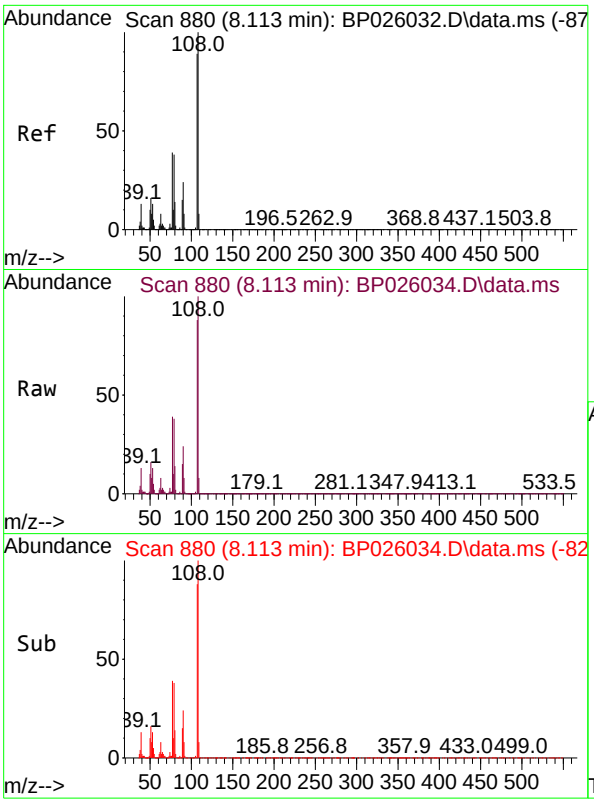


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.185 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 45 Resp: 1838598

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.2
79	9.8	0.0	29.5



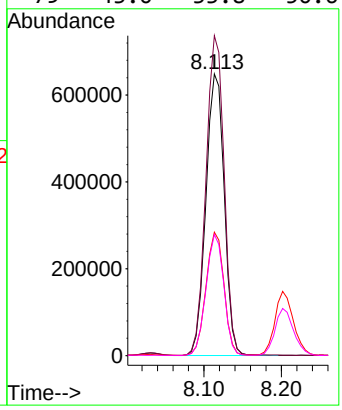


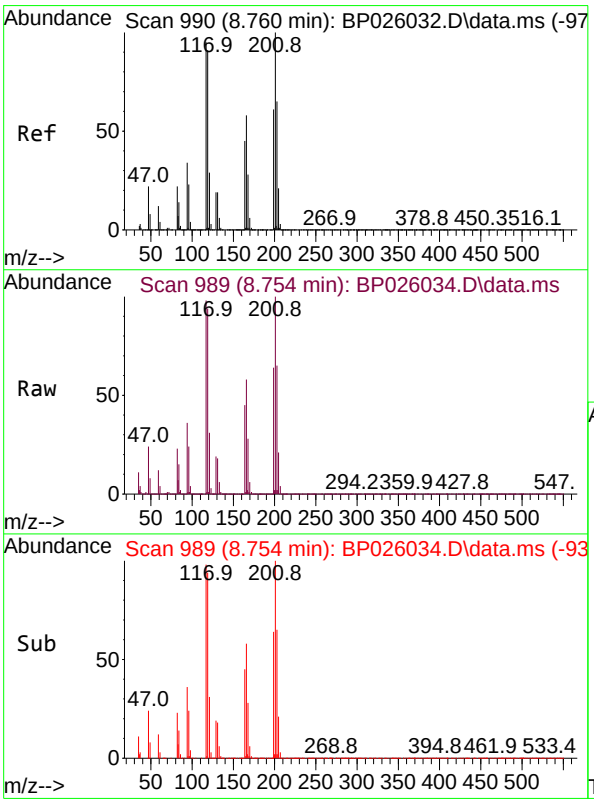
#17
2-Methylphenol
Concen: 64.741 ng
RT: 8.113 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 1068062

Ion	Ratio	Lower	Upper
107	100		
108	113.6	89.8	134.8
77	43.8	34.8	52.2
79	43.0	33.8	50.6

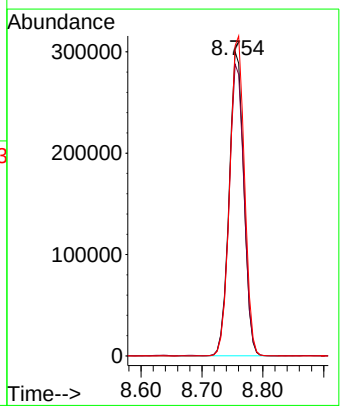


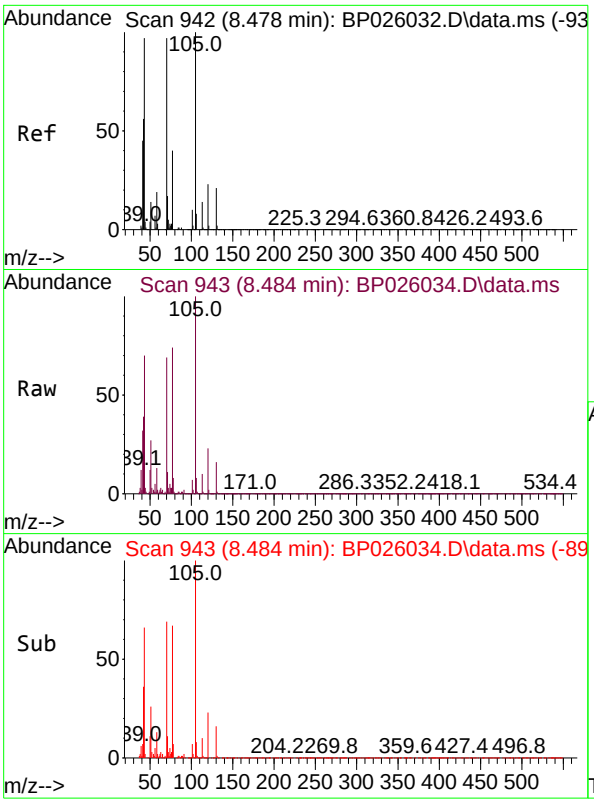


#18
Hexachloroethane
Concen: 63.902 ng
RT: 8.754 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:117 Resp: 501286

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.5	114.7
201	102.0	84.2	126.4



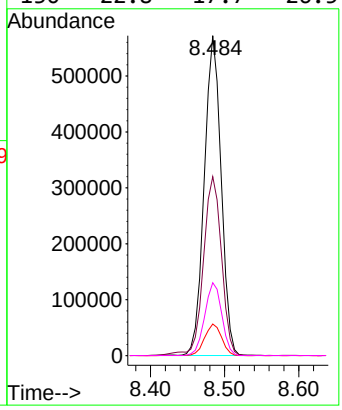


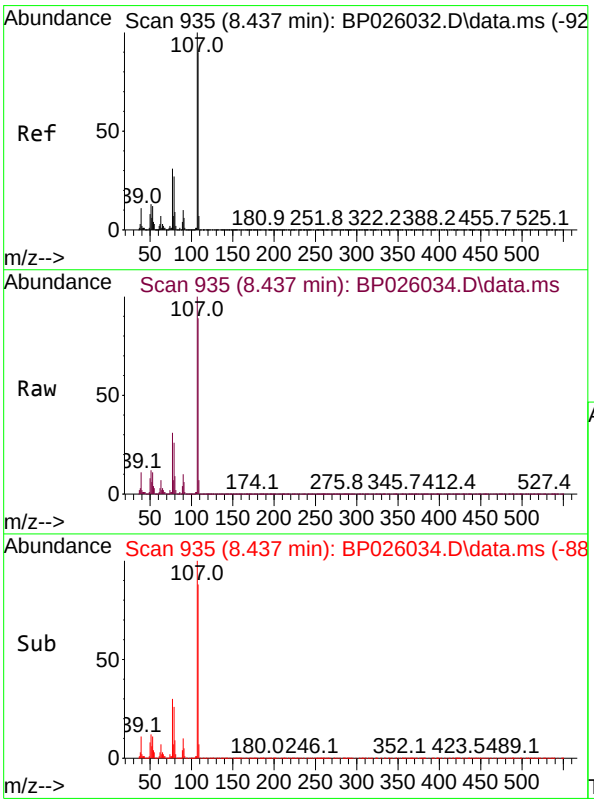
#19
n-Nitroso-di-n-propylamine
Concen: 64.223 ng
RT: 8.484 min Scan# 94
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 904719

Ion	Ratio	Lower	Upper
70	100		
42	55.9	47.2	70.8
101	9.9	8.2	12.2
130	22.8	17.7	26.5

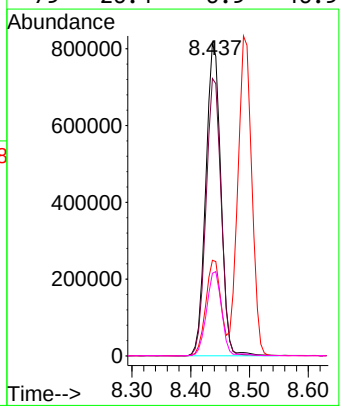


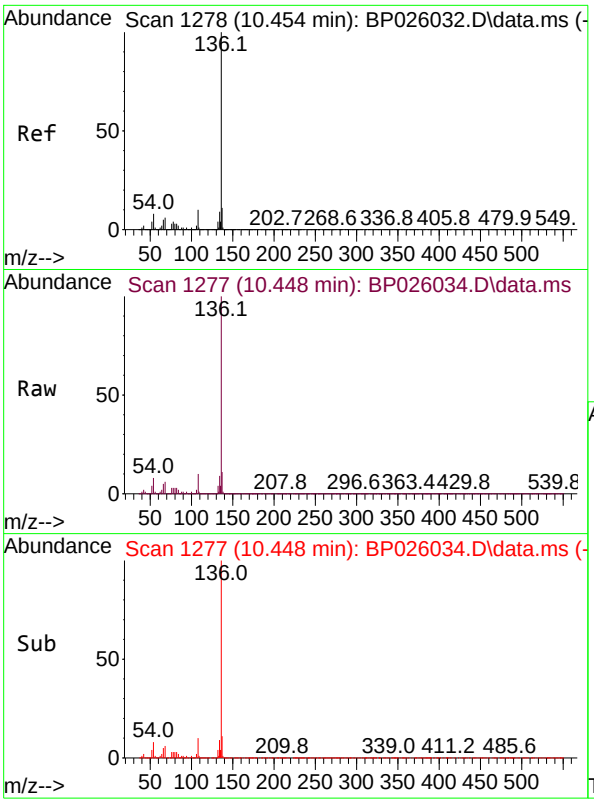


#20
3+4-Methylphenols
Concen: 63.287 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:107 Resp: 1452480

Ion	Ratio	Lower	Upper
107	100		
108	88.7	70.1	110.1
77	30.6	10.7	50.7
79	26.4	6.9	46.9



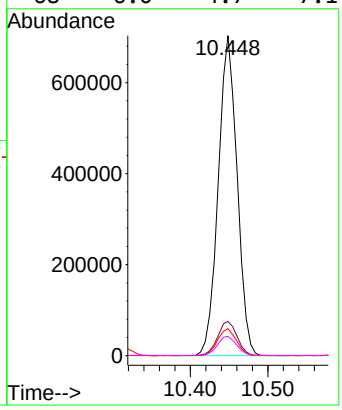


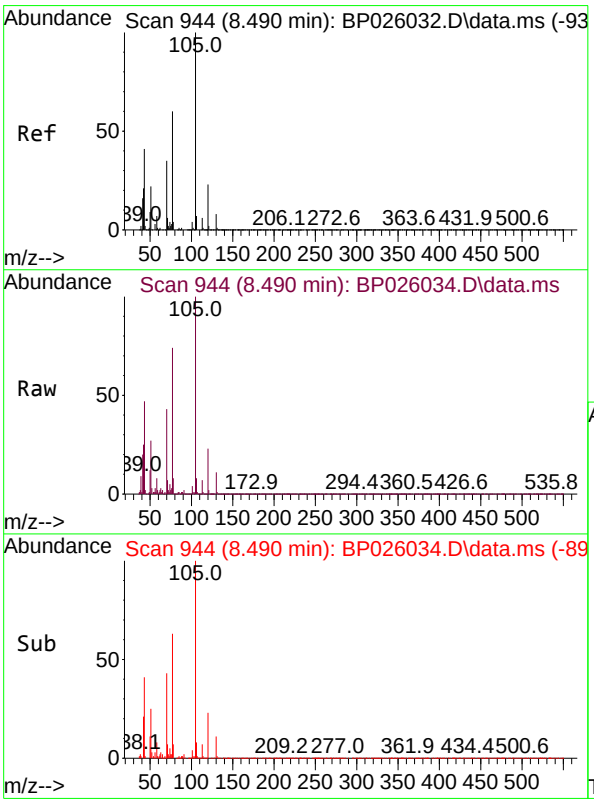
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.448 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1188234

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.4	6.6	10.0
68	6.0	4.7	7.1

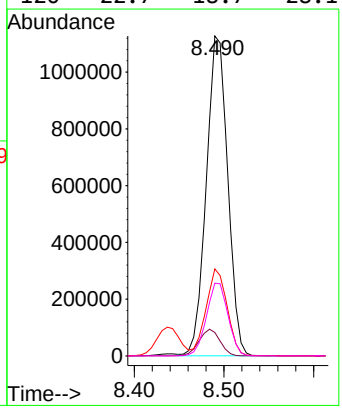


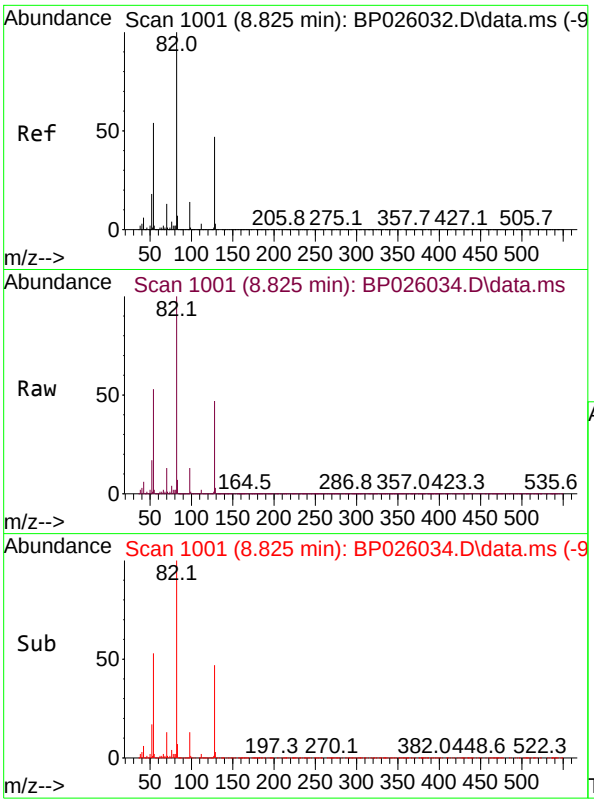


#22
Acetophenone
Concen: 62.324 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:105 Resp: 1872894

Ion	Ratio	Lower	Upper
105	100		
71	7.3	4.7	7.1#
51	27.2	21.8	32.8
120	22.7	18.7	28.1



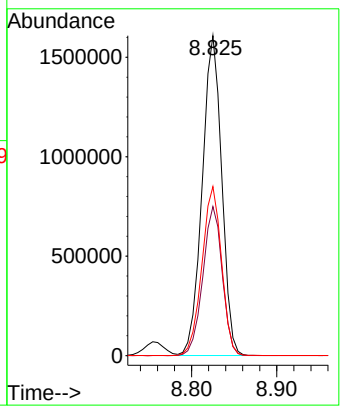


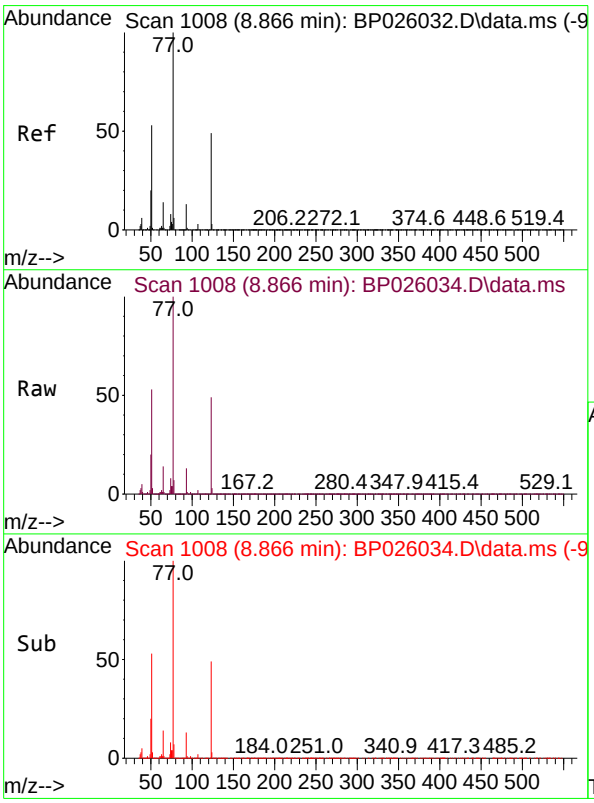
#23
Nitrobenzene-d5
Concen: 134.112 ng
RT: 8.825 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2556249

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.4	56.0
54	52.8	42.7	64.1

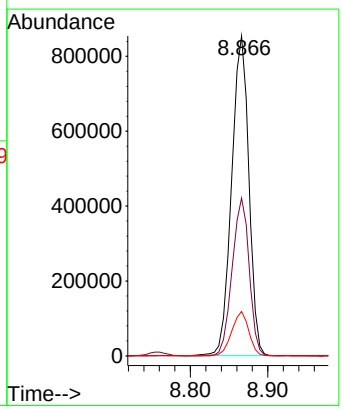


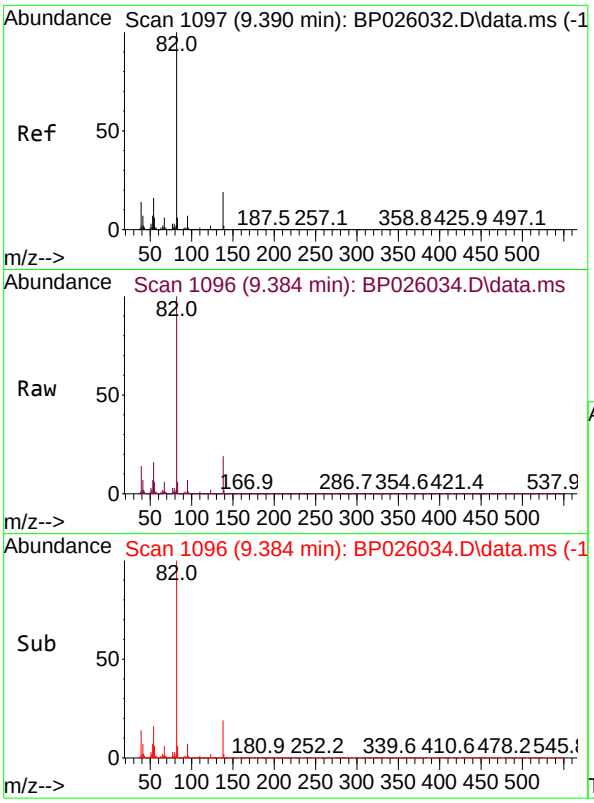


#24
Nitrobenzene
Concen: 65.646 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 77 Resp: 1321111

Ion	Ratio	Lower	Upper
77	100		
123	49.3	39.0	58.4
65	13.9	10.9	16.3



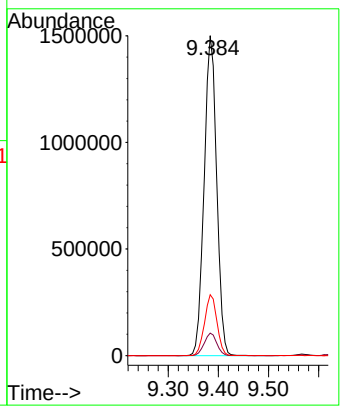


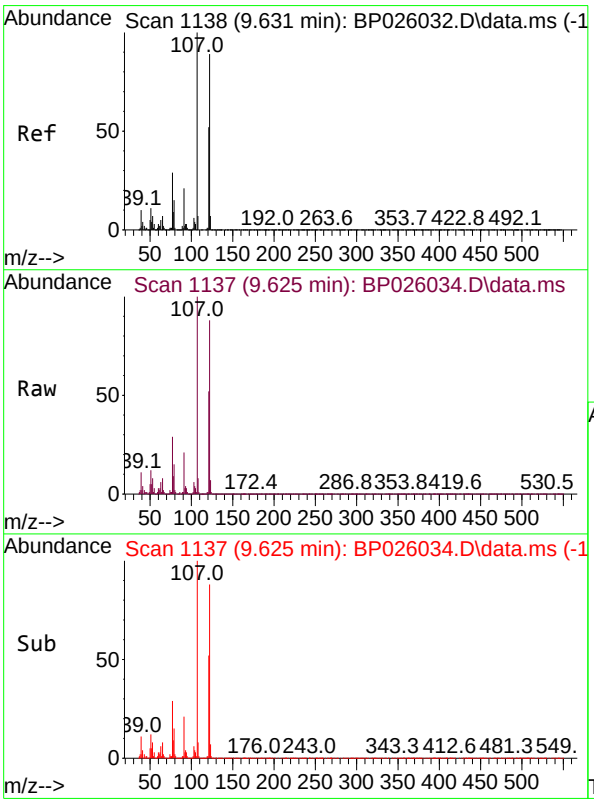
#25
Isophorone
Concen: 63.763 ng
RT: 9.384 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2601391

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.6
138	19.0	15.0	22.6

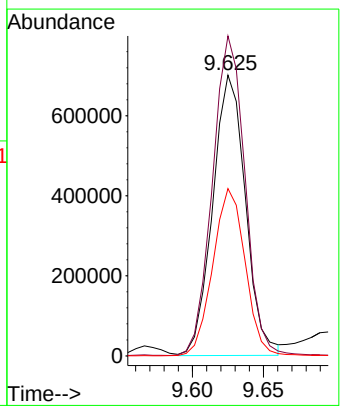


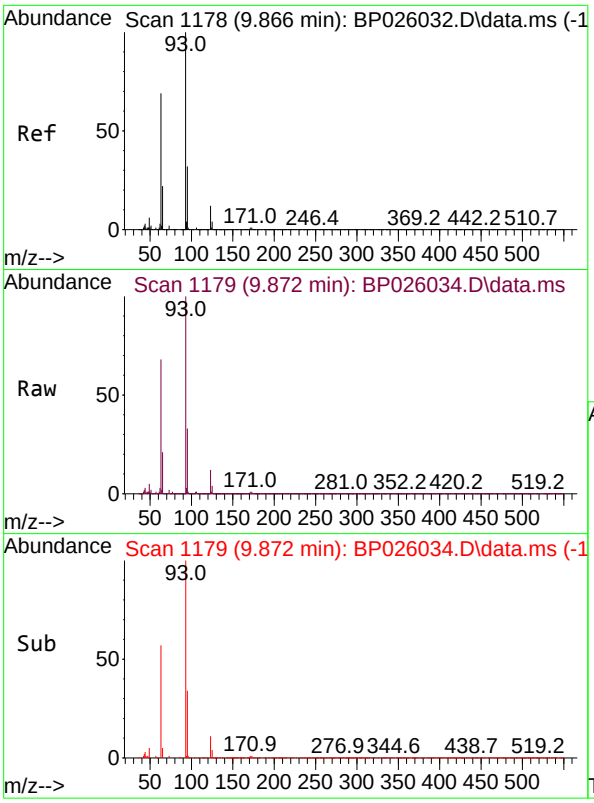


#27
2,4-Dimethylphenol
Concen: 65.520 ng
RT: 9.625 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:122 Resp: 1124076

Ion	Ratio	Lower	Upper
122	100		
107	114.0	89.2	133.8
121	59.6	46.3	69.5



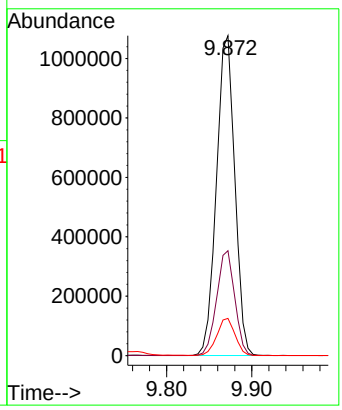


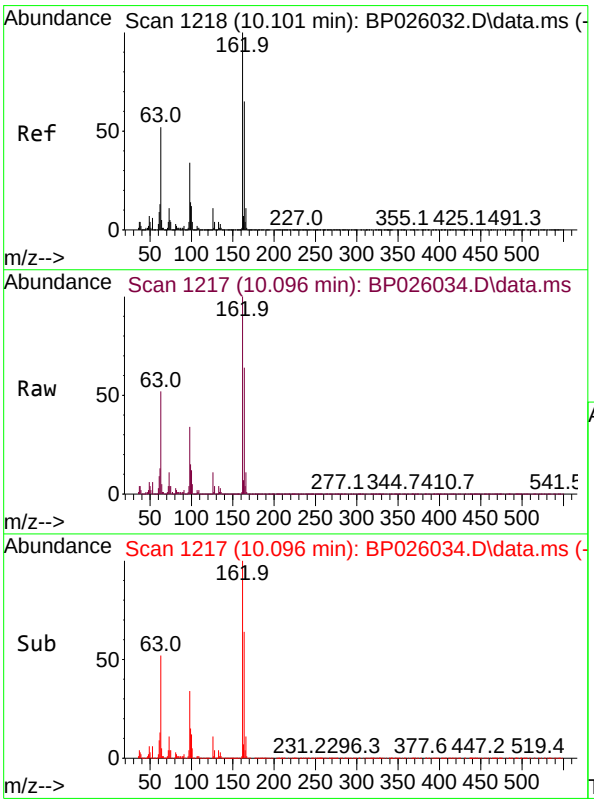
#28
bis(2-Chloroethoxy)methane
Concen: 62.561 ng
RT: 9.872 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1608539

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.6
123	11.6	9.3	13.9

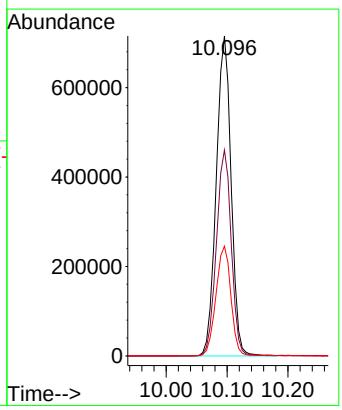


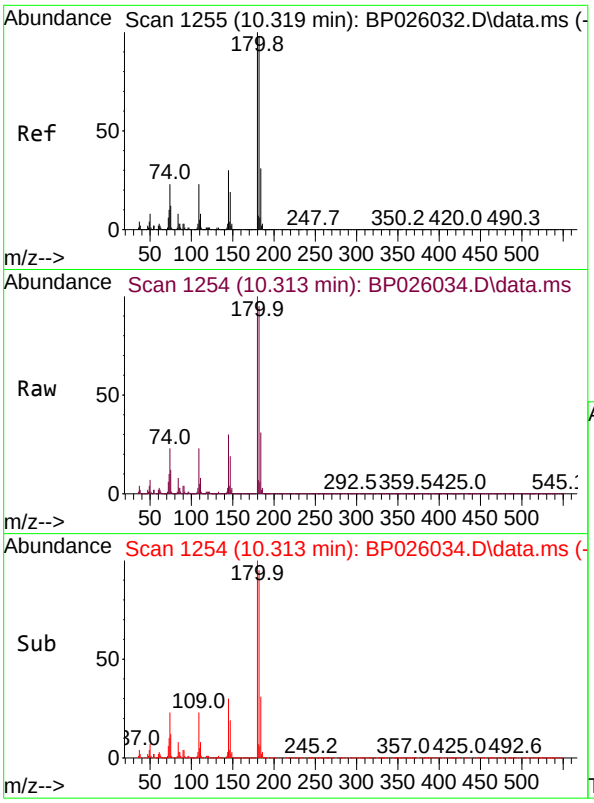


#29
2,4-Dichlorophenol
Concen: 66.994 ng
RT: 10.096 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:162 Resp: 1213575

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.6	84.6
98	34.3	14.0	54.0



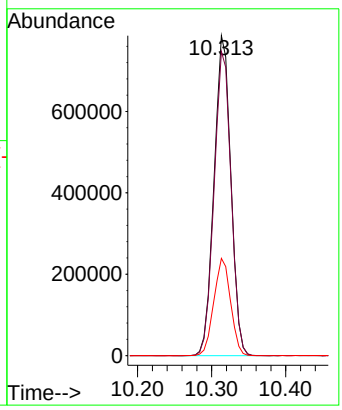


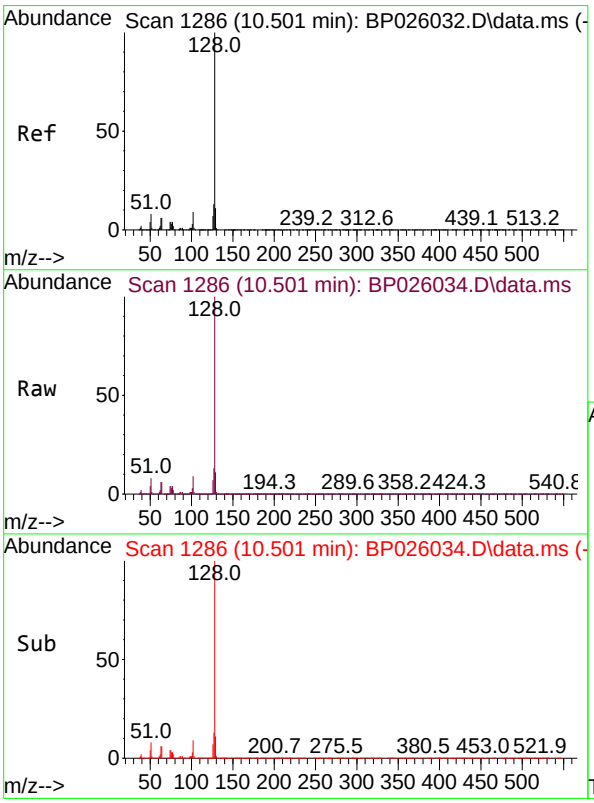
#30
1,2,4-Trichlorobenzene
Concen: 62.905 ng
RT: 10.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:180 Resp: 1238545

Ion	Ratio	Lower	Upper
180	100		
182	95.0	78.6	117.8
145	30.4	24.2	36.4

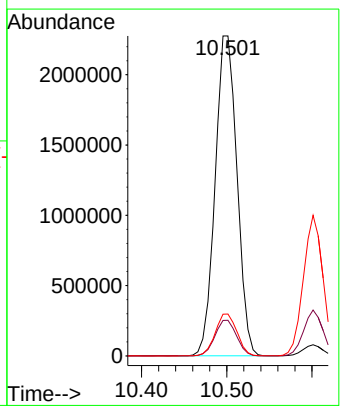


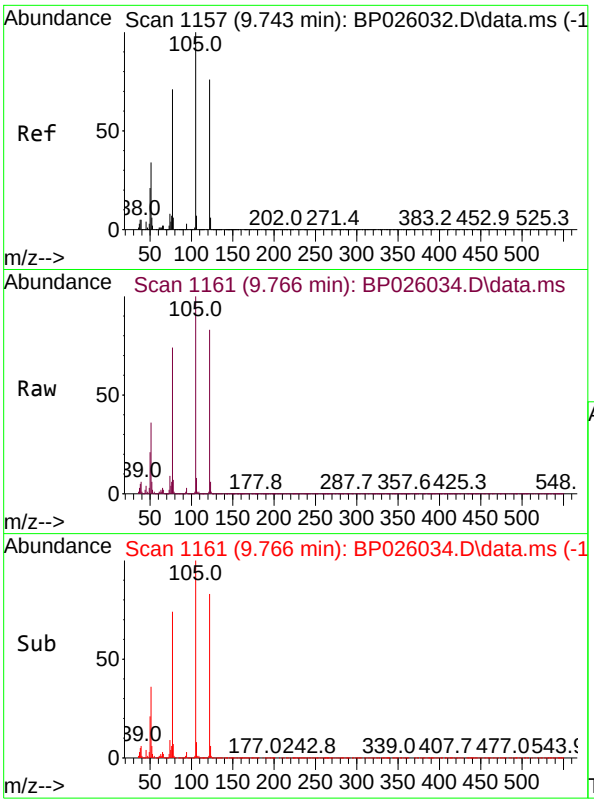


#31
Naphthalene
Concen: 62.555 ng
RT: 10.501 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:128 Resp: 4053338

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.1	10.5	15.7



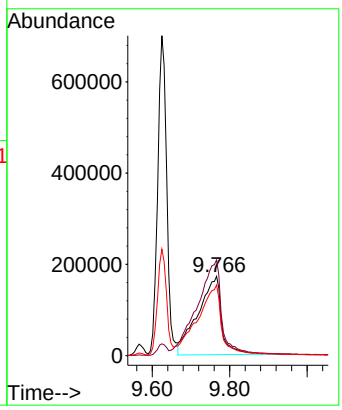


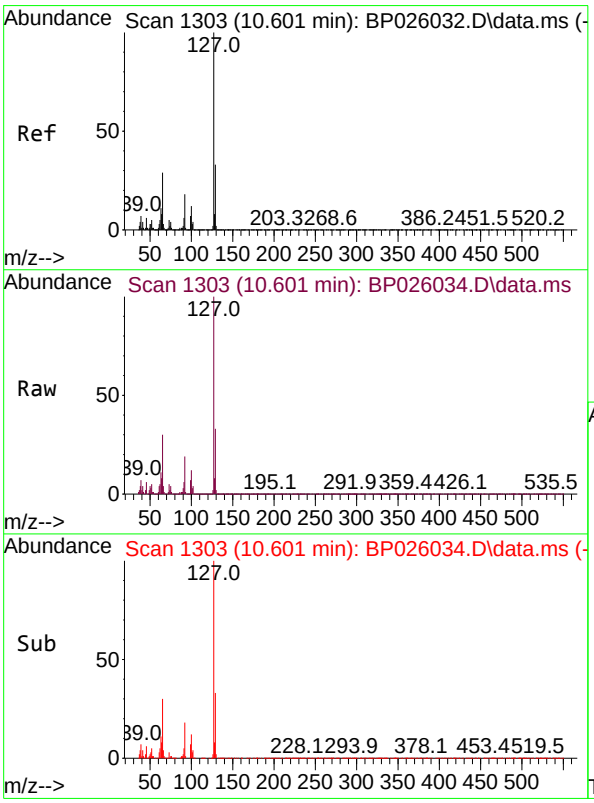
#32
Benzoic acid
Concen: 63.317 ng
RT: 9.766 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 733177

Ion	Ratio	Lower	Upper
122	100		
105	120.7	104.8	144.8
77	89.0	70.9	110.9

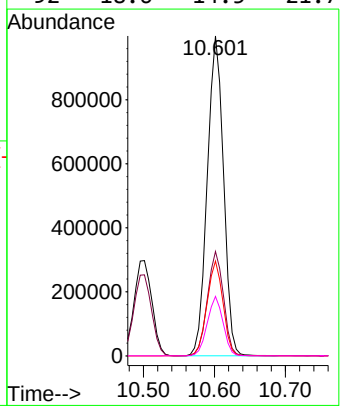


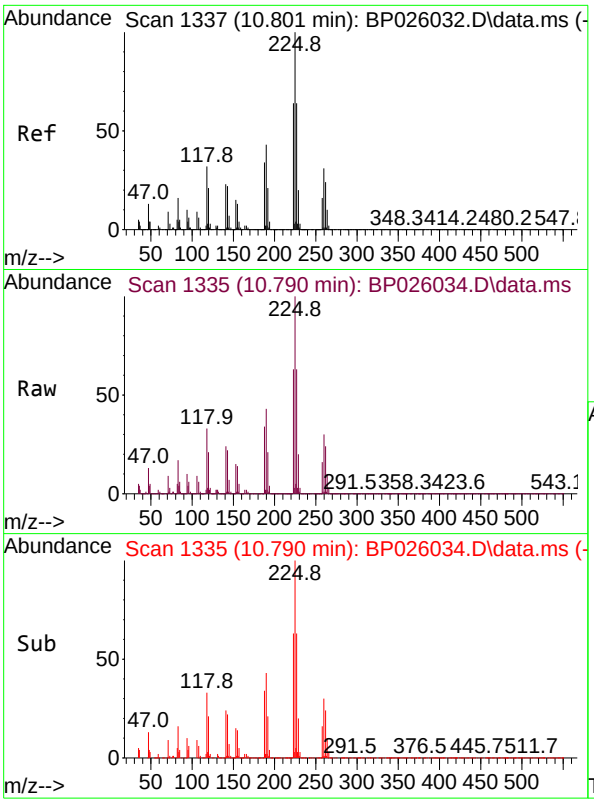


#33
4-Chloroaniline
Concen: 63.721 ng
RT: 10.601 min Scan# 1303
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:127 Resp: 1586613

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	29.6	23.2	34.8
92	18.6	14.5	21.7



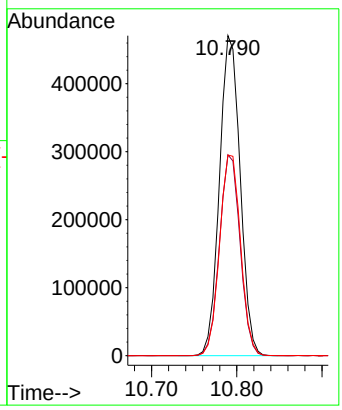


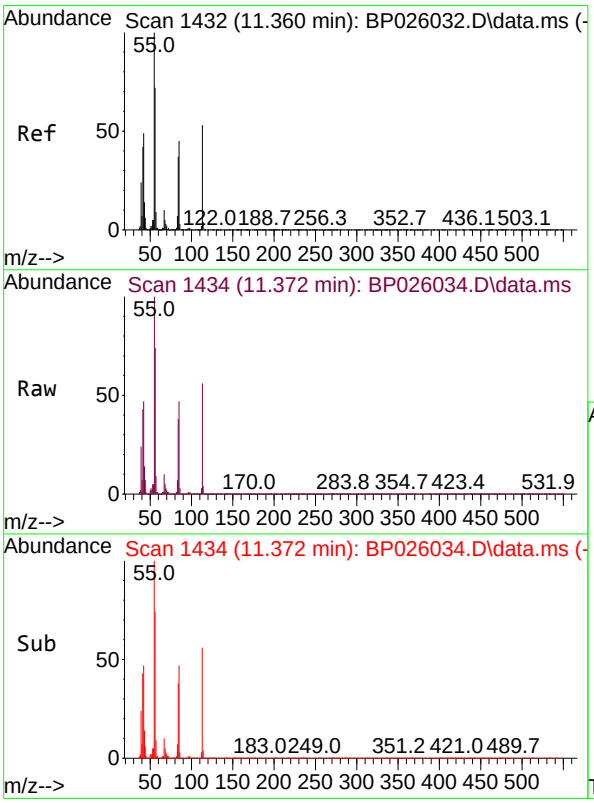
#34
Hexachlorobutadiene
Concen: 63.376 ng
RT: 10.790 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:225 Resp: 792964

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.9	76.3
227	62.7	51.0	76.4

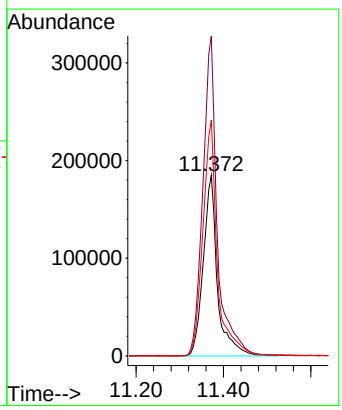


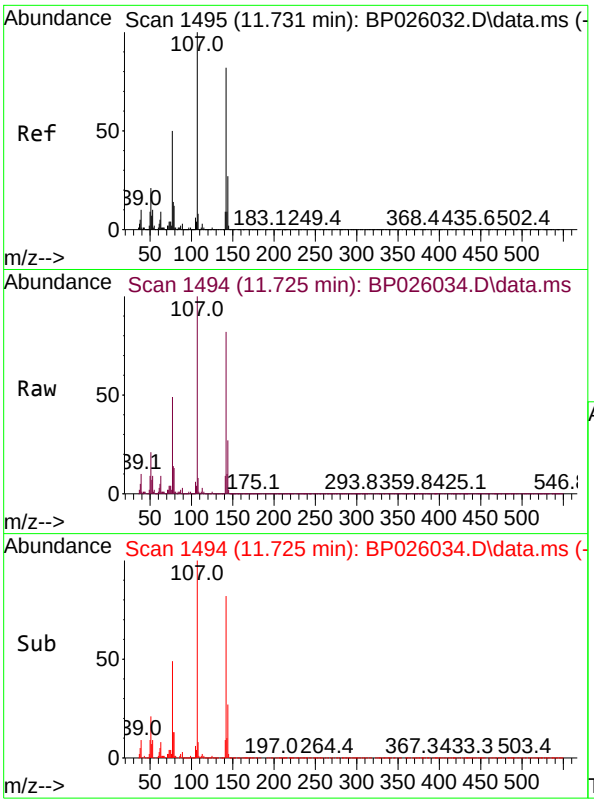


#35
Caprolactam
Concen: 65.121 ng
RT: 11.372 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:113 Resp: 414253

Ion	Ratio	Lower	Upper
113	100		
55	177.3	169.9	209.9
56	130.6	116.7	156.7



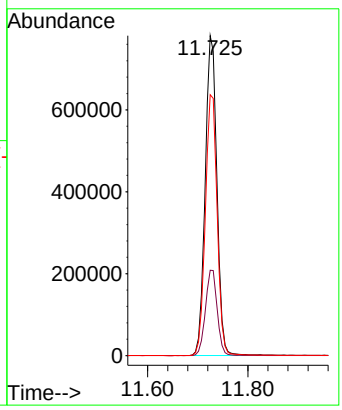


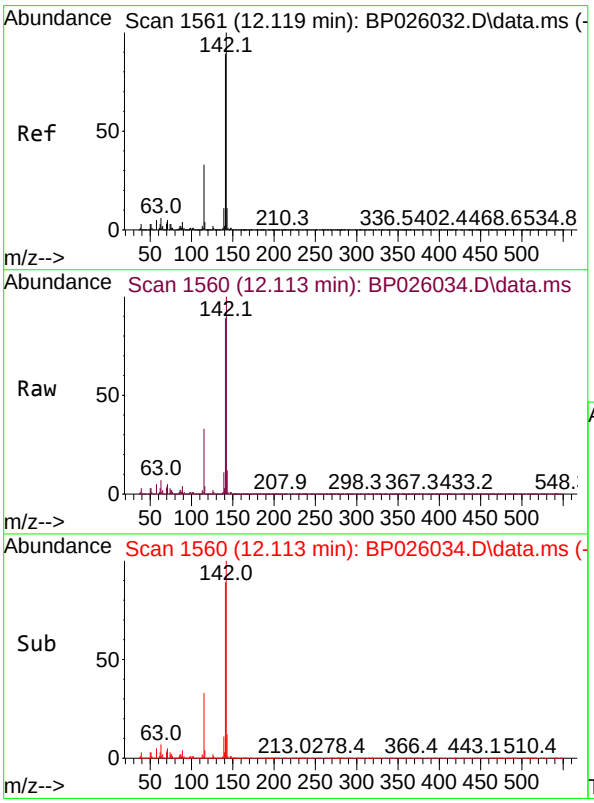
#36
4-Chloro-3-methylphenol
Concen: 66.778 ng
RT: 11.725 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 1268077

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.3	31.9
142	81.5	65.2	97.8

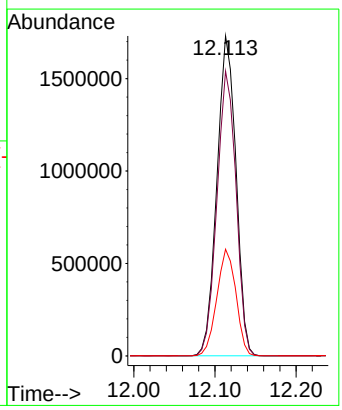


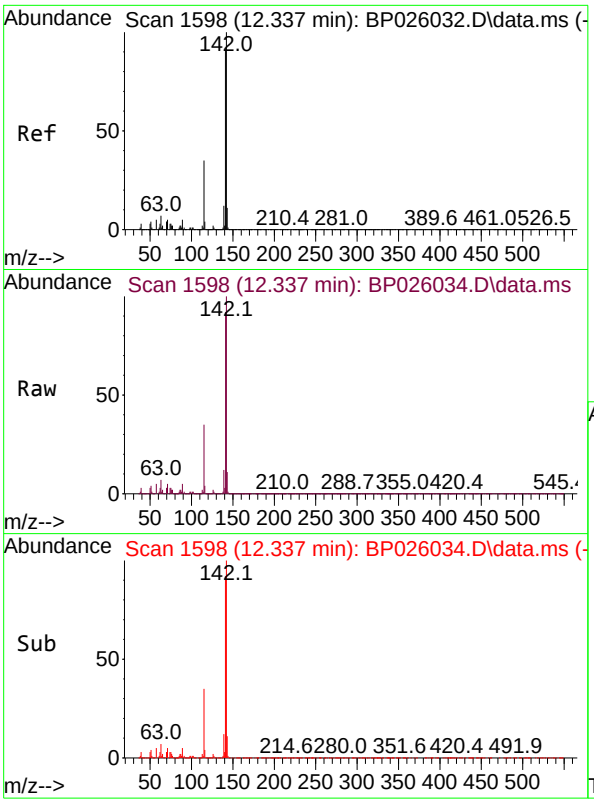


#37
2-Methylnaphthalene
Concen: 62.316 ng
RT: 12.113 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:142 Resp: 2826130

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.6	107.4
115	33.3	26.6	39.8



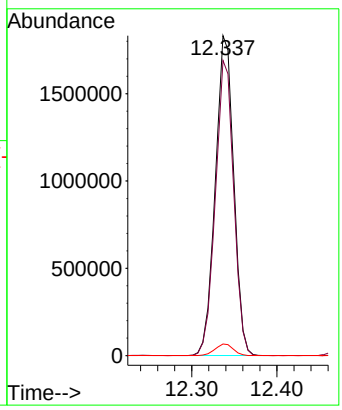


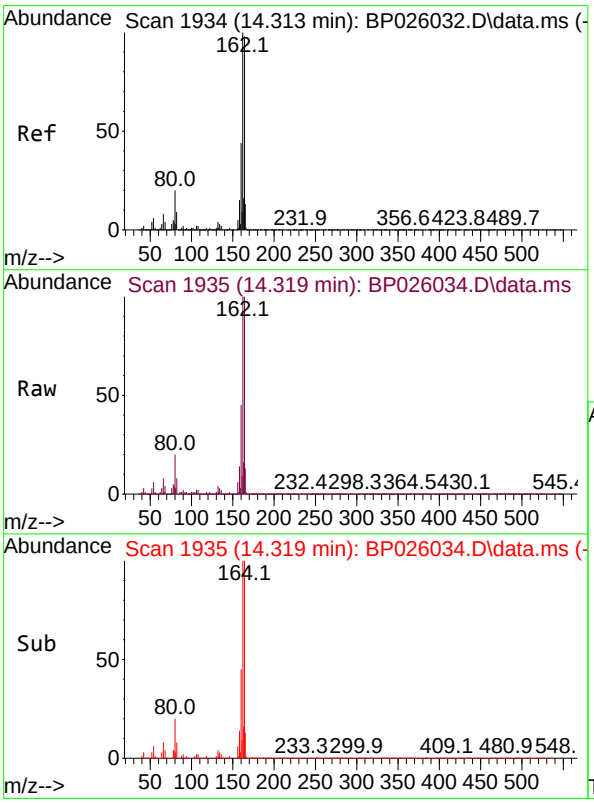
#38
1-Methylnaphthalene
Concen: 62.303 ng
RT: 12.337 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2744994

Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.7	109.1
116	3.6	2.9	4.3

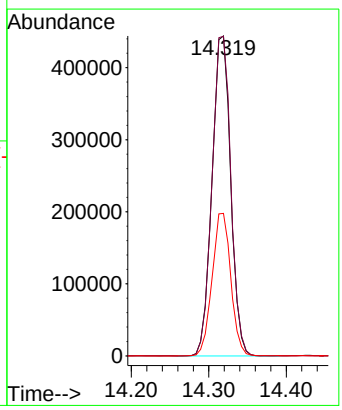


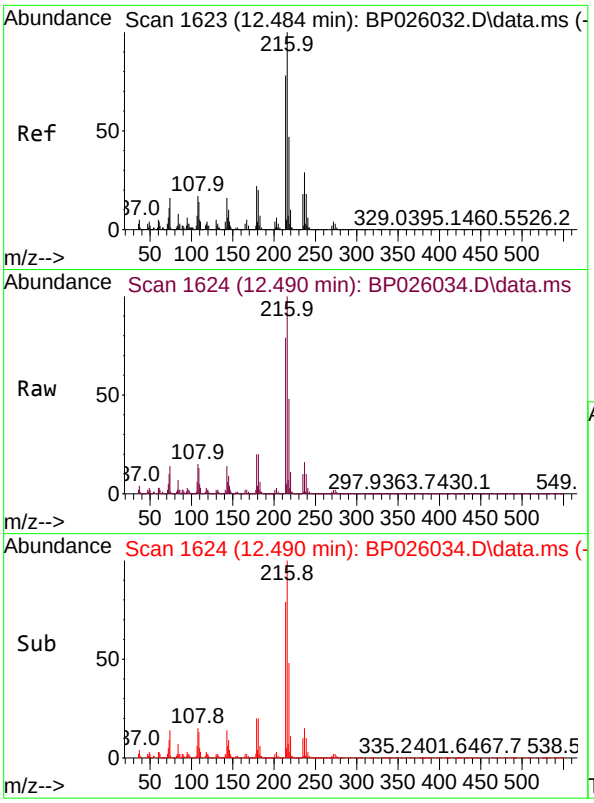


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:164 Resp: 740246

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.5	122.3
160	44.5	36.2	54.4



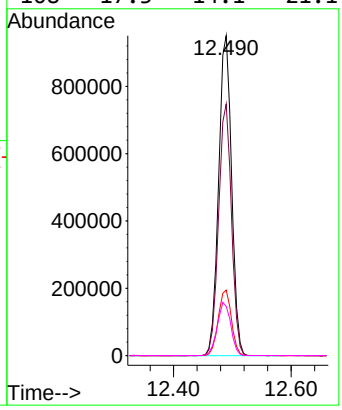


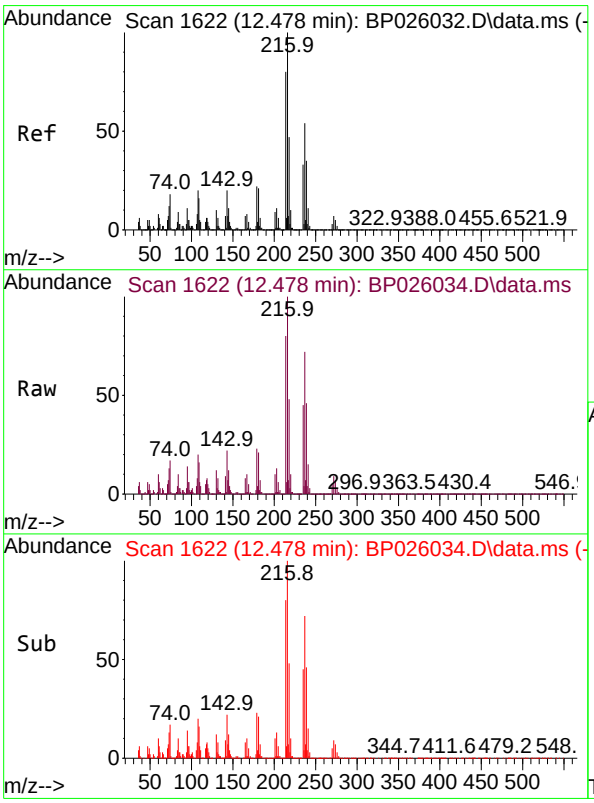
#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.152 ng
RT: 12.490 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:216 Resp: 1452519

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.9	94.3
179	20.8	16.9	25.3
108	17.3	14.1	21.1

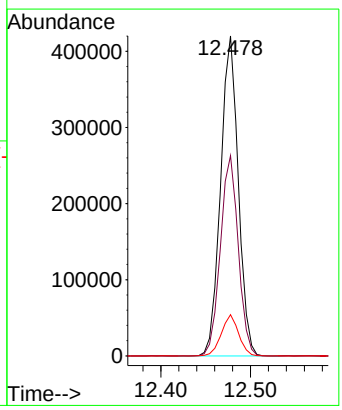


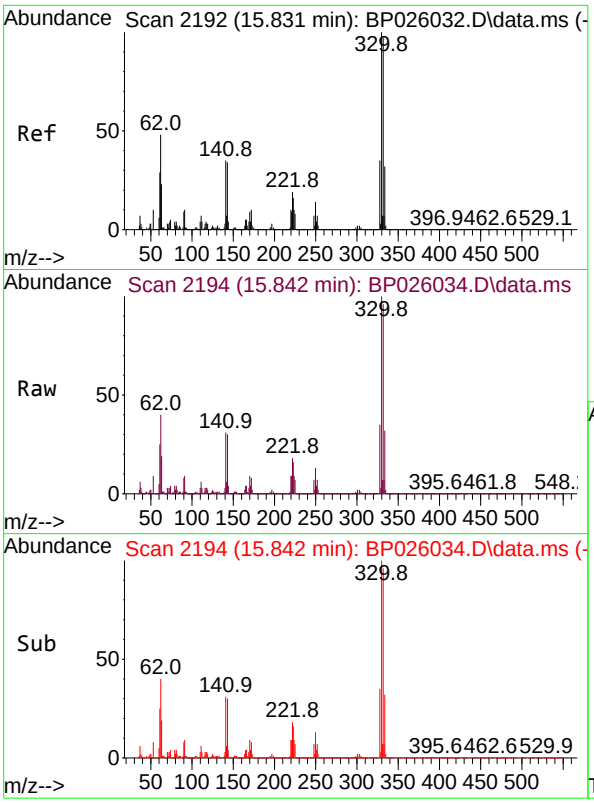


#41
Hexachlorocyclopentadiene
Concen: 68.581 ng
RT: 12.478 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:237 Resp: 577139

Ion	Ratio	Lower	Upper
237	100		
235	62.6	40.4	80.4
272	12.9	0.0	32.2



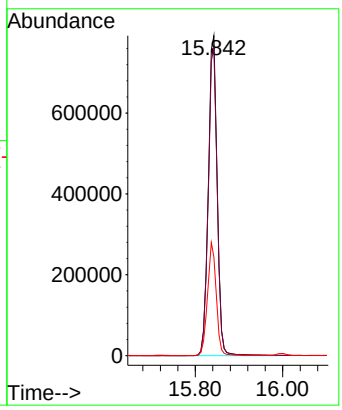


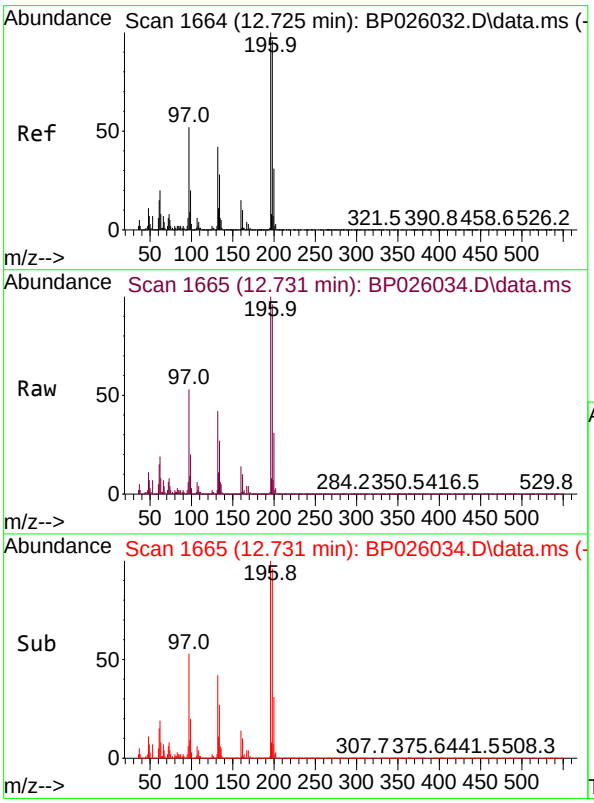
#42
2,4,6-Tribromophenol
Concen: 138.661 ng
RT: 15.842 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:330 Resp: 1109676

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	34.7	28.6	42.8

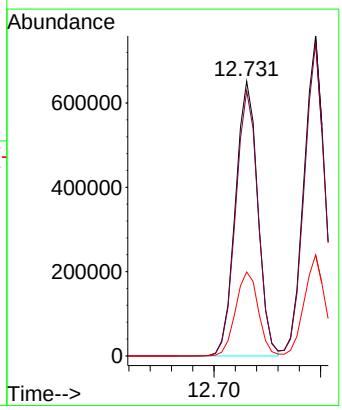


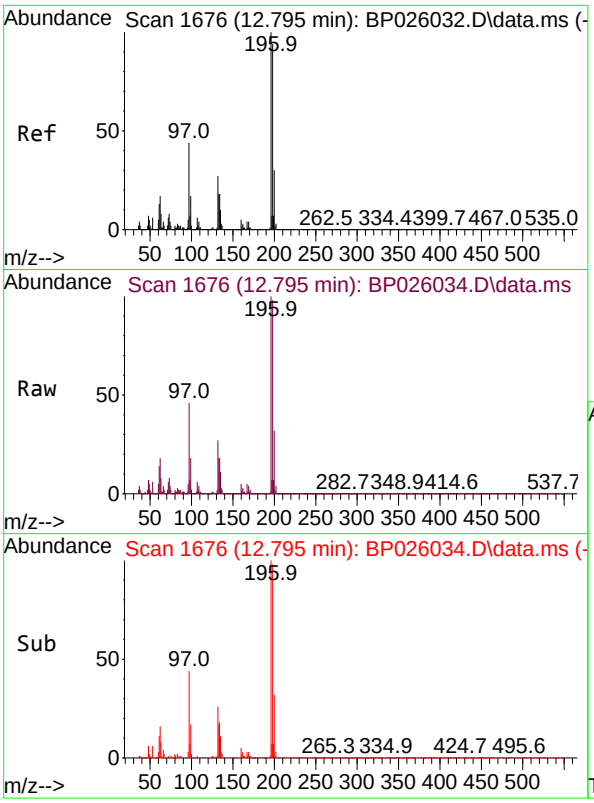


#43
2,4,6-Trichlorophenol
Concen: 69.685 ng
RT: 12.731 min Scan# 1665
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:196 Resp: 947367

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.5	114.7
200	30.6	24.4	36.6



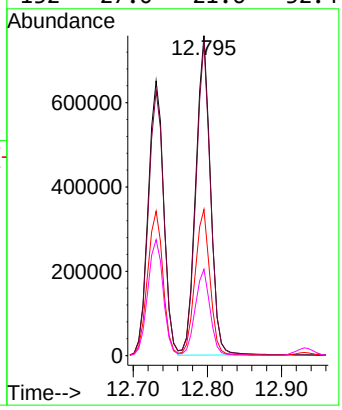


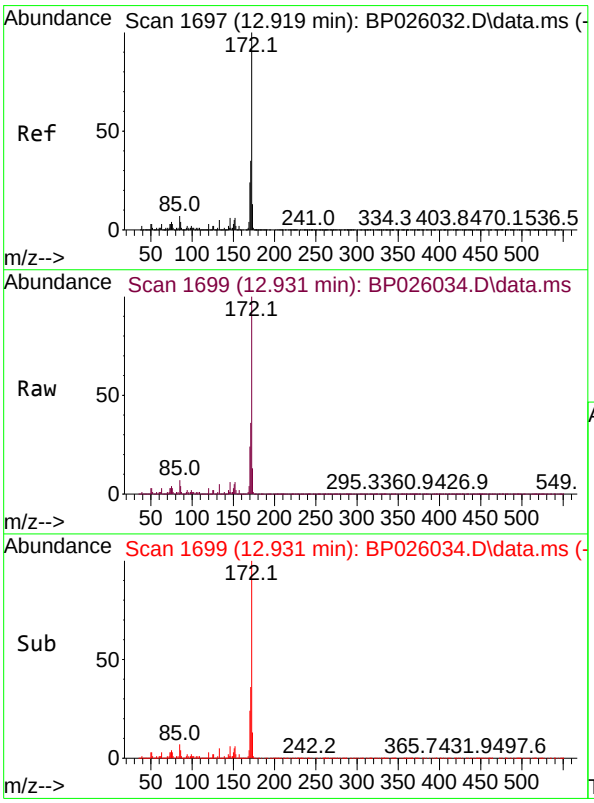
#44
2,4,5-Trichlorophenol
Concen: 67.173 ng
RT: 12.795 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 1042039

Ion	Ratio	Lower	Upper
196	100		
198	98.0	75.1	112.7
97	45.7	35.5	53.3
132	27.0	21.6	32.4

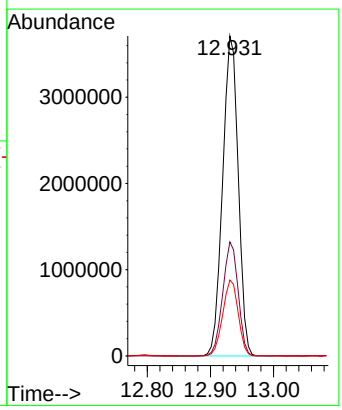


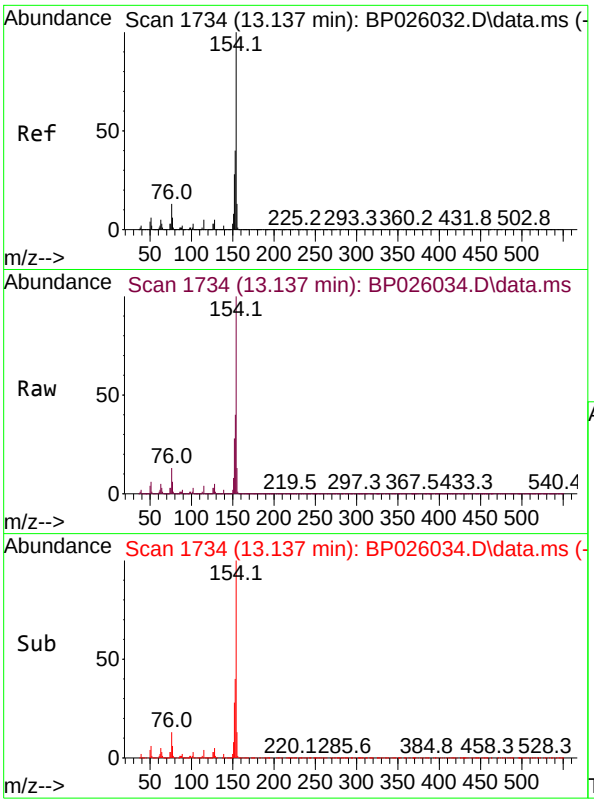


#45
2-Fluorobiphenyl
Concen: 123.451 ng
RT: 12.931 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:172 Resp: 6359685

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.9	41.9
170	23.7	19.0	28.4



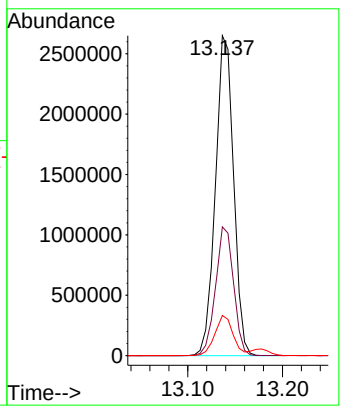


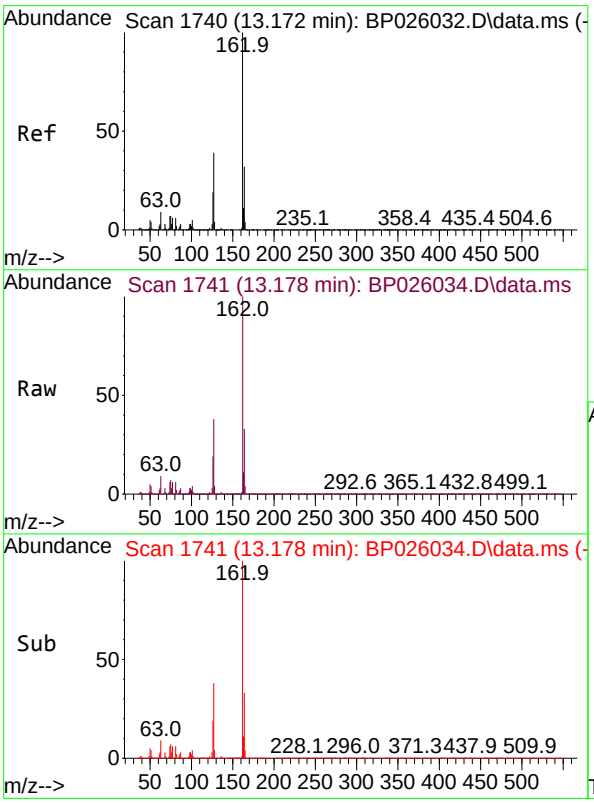
#46
1,1'-Biphenyl
Concen: 62.090 ng
RT: 13.137 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:154 Resp: 3519299

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.2	60.2
76	12.5	0.0	32.8

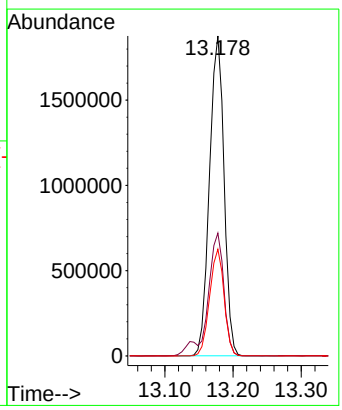


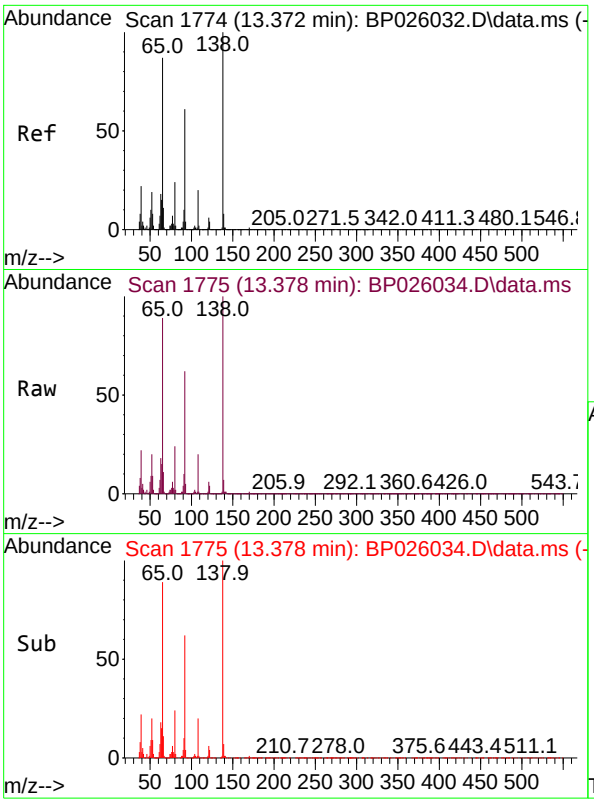


#47
2-Chloronaphthalene
Concen: 62.380 ng
RT: 13.178 min Scan# 1741
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:162 Resp: 2781932

Ion	Ratio	Lower	Upper
162	100		
127	38.4	31.4	47.2
164	33.3	25.9	38.9



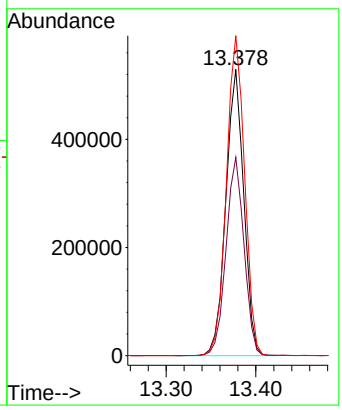


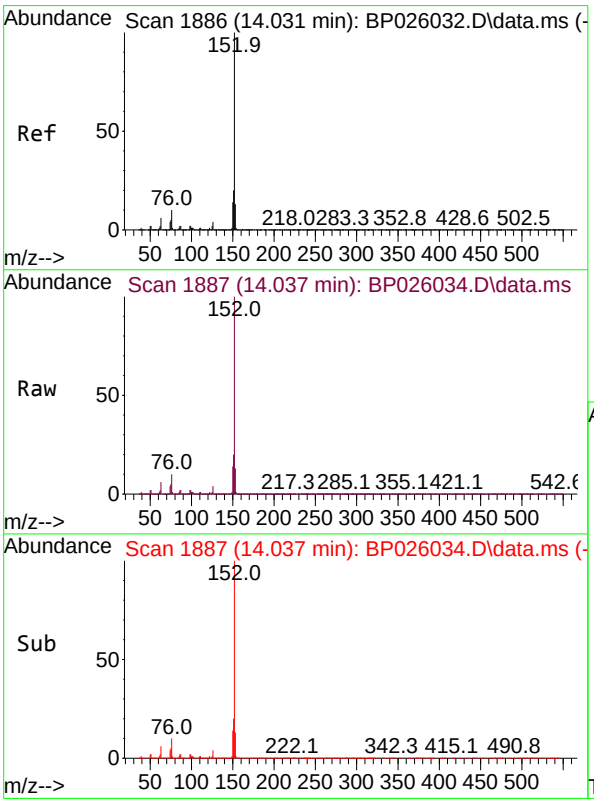
#48
2-Nitroaniline
Concen: 64.505 ng
RT: 13.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 65 Resp: 737734

Ion	Ratio	Lower	Upper
65	100		
92	69.2	55.5	83.3
138	111.8	91.7	137.5

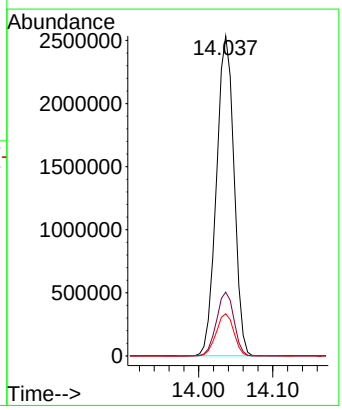


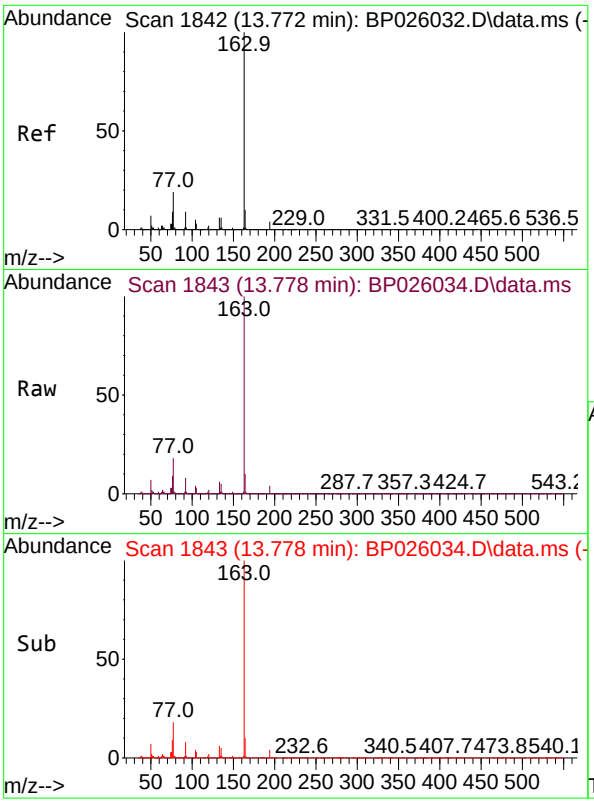


#49
Acenaphthylene
Concen: 64.110 ng
RT: 14.037 min Scan# 1887
Delta R.T. 0.001 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:152 Resp: 4167114

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	16.0



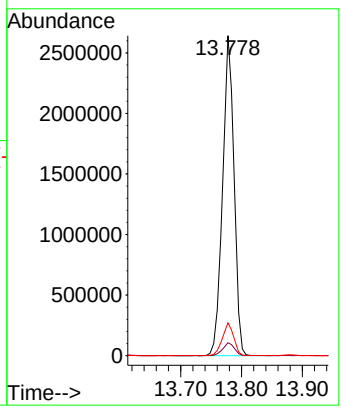


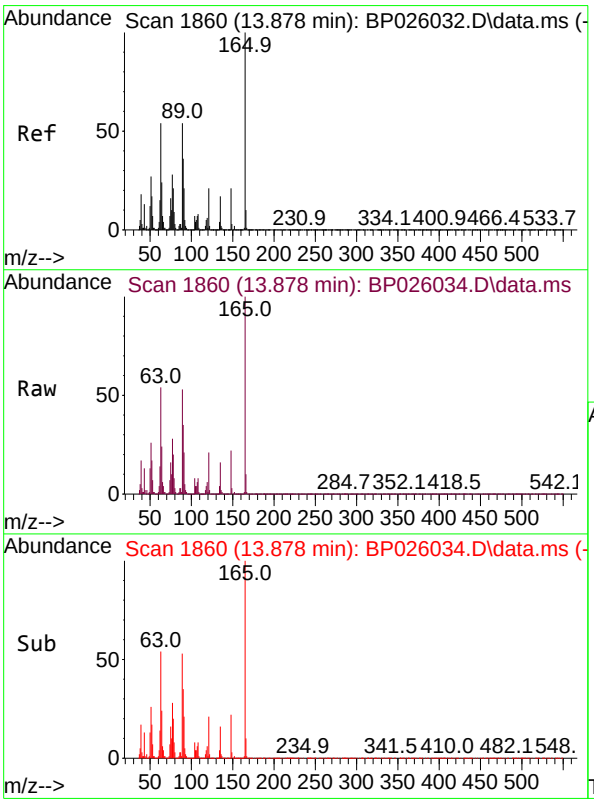
#50
Dimethylphthalate
Concen: 64.073 ng
RT: 13.778 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:163 Resp: 3449991

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.3	8.2	12.2

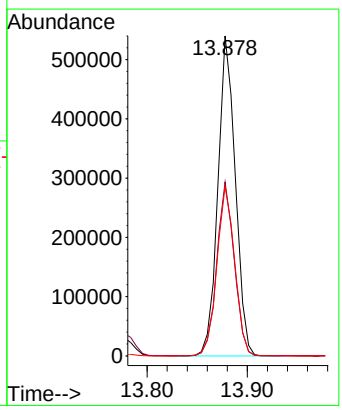


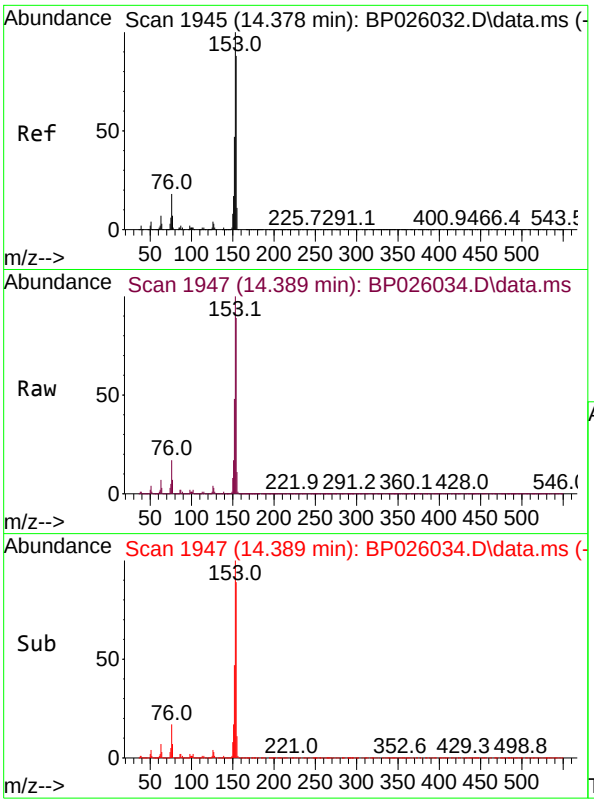


#51
2,6-Dinitrotoluene
Concen: 64.811 ng
RT: 13.878 min Scan# 1860
Delta R.T. -0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:165 Resp: 652327

Ion	Ratio	Lower	Upper
165	100		
63	54.3	43.0	64.4
89	53.0	43.0	64.4



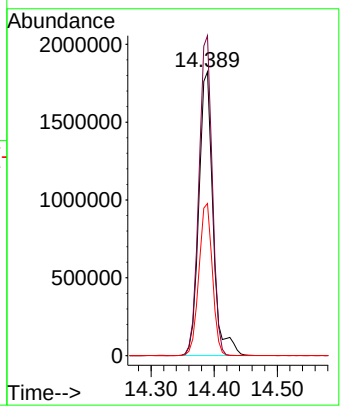


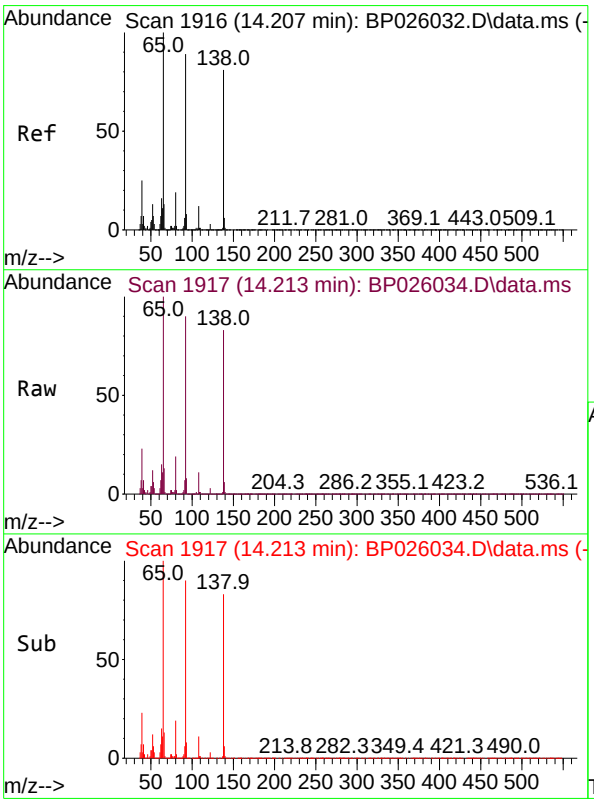
#52
Acenaphthene
Concen: 63.592 ng
RT: 14.389 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:154 Resp: 2837620

Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.0	136.4
152	53.6	42.7	64.1

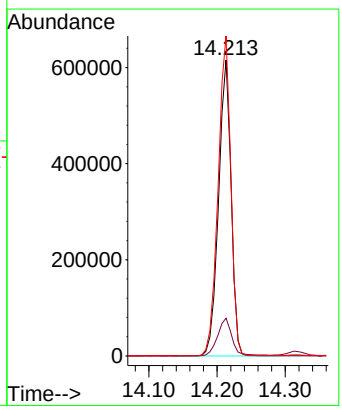


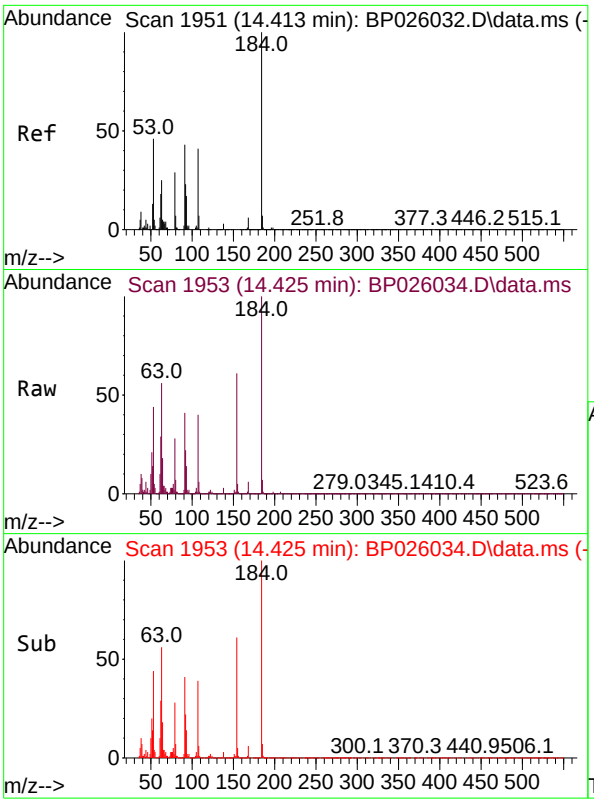


#53
3-Nitroaniline
Concen: 63.434 ng
RT: 14.213 min Scan# 1917
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:138 Resp: 780369

Ion	Ratio	Lower	Upper
138	100		
108	12.7	11.4	17.0
92	108.1	87.1	130.7



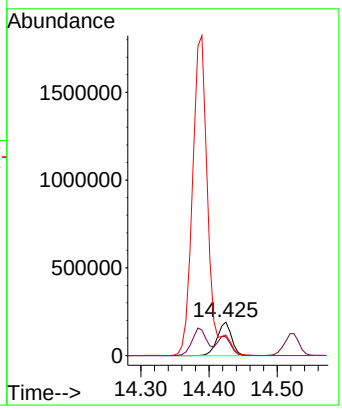


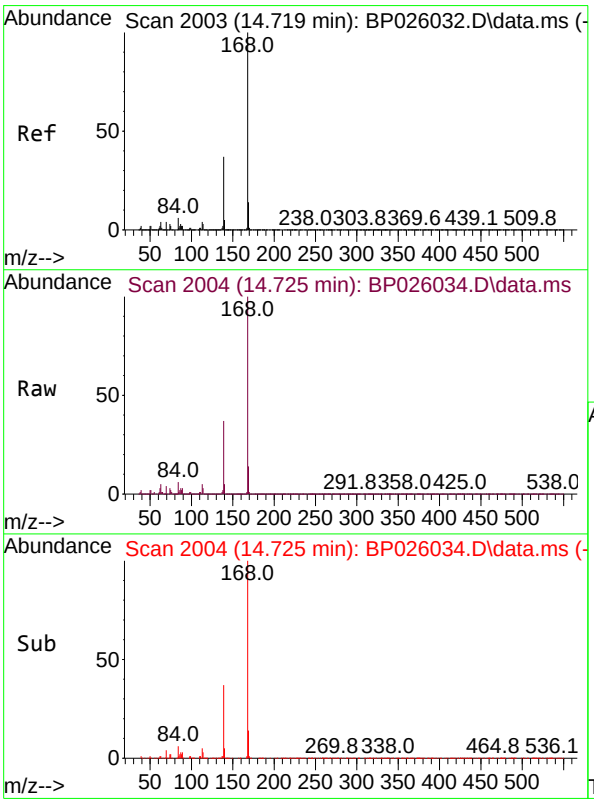
#54
2,4-Dinitrophenol
Concen: 63.744 ng
RT: 14.425 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 274254

Ion	Ratio	Lower	Upper
184	100		
63	56.3	49.0	73.4
154	61.3	51.0	76.6

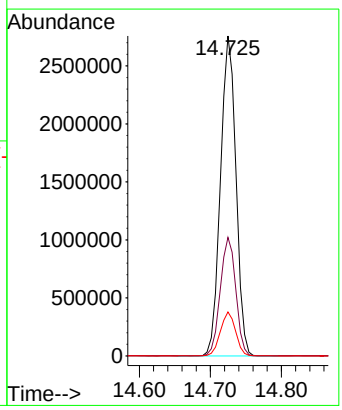


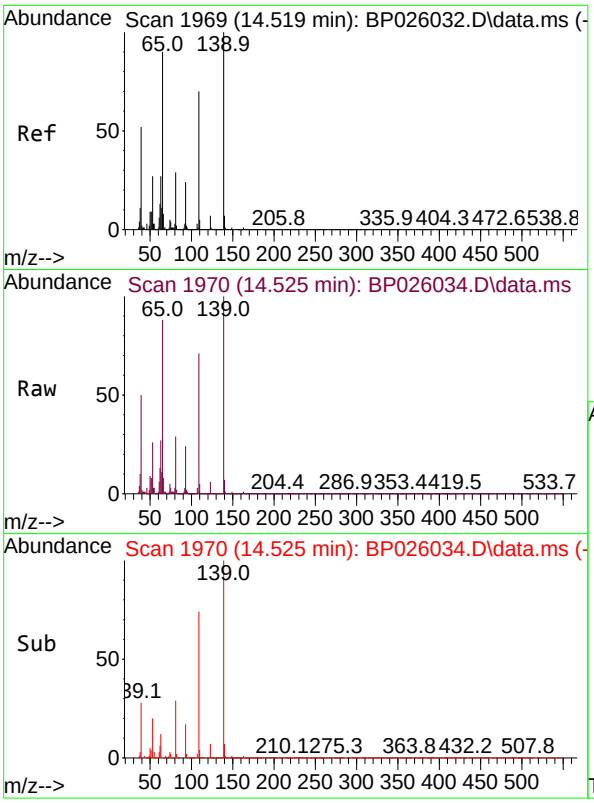


#55
Dibenzofuran
Concen: 62.047 ng
RT: 14.725 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:168 Resp: 4183126

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.7	44.5
169	13.7	11.0	16.4



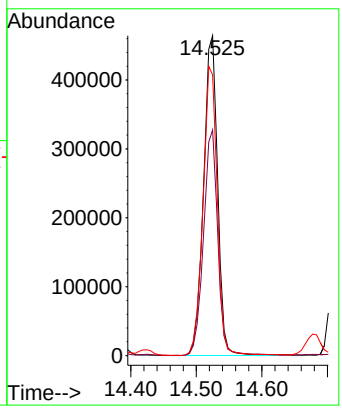


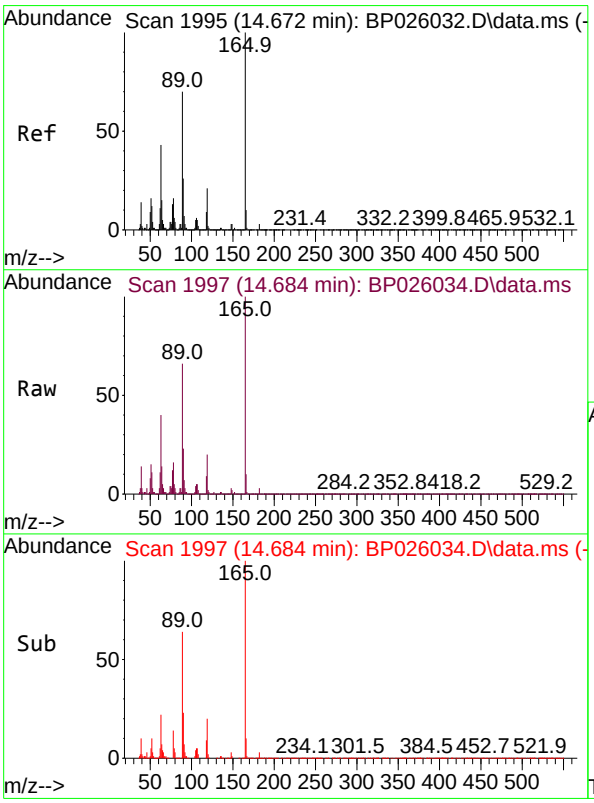
#56
4-Nitrophenol
Concen: 64.089 ng
RT: 14.525 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:139 Resp: 688114

Ion	Ratio	Lower	Upper
139	100		
109	70.5	50.0	90.0
65	87.7	69.6	109.6

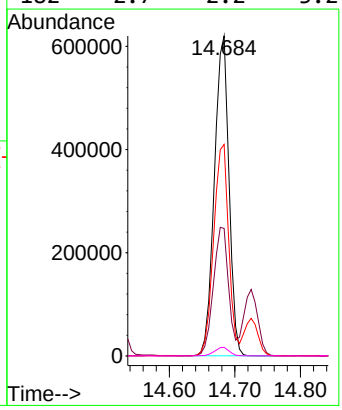


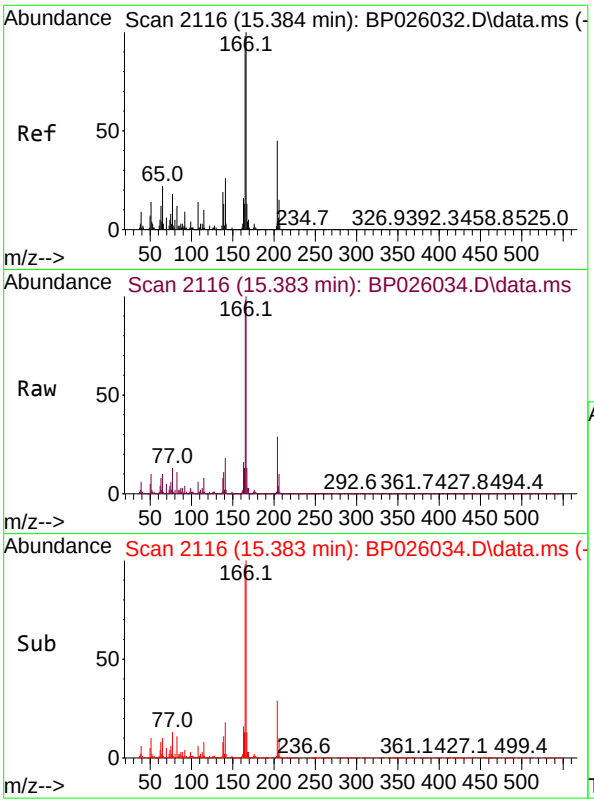


#57
2,4-Dinitrotoluene
Concen: 65.768 ng
RT: 14.684 min Scan# 1997
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:165 Resp: 961200

Ion	Ratio	Lower	Upper
165	100		
63	39.8	34.2	51.2
89	66.1	56.0	84.0
182	2.7	2.2	3.2



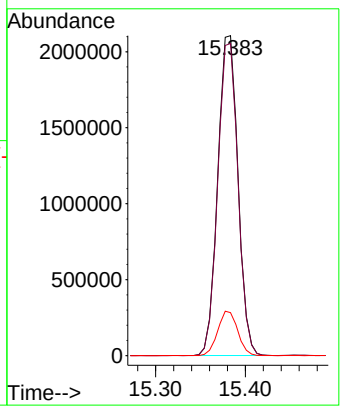


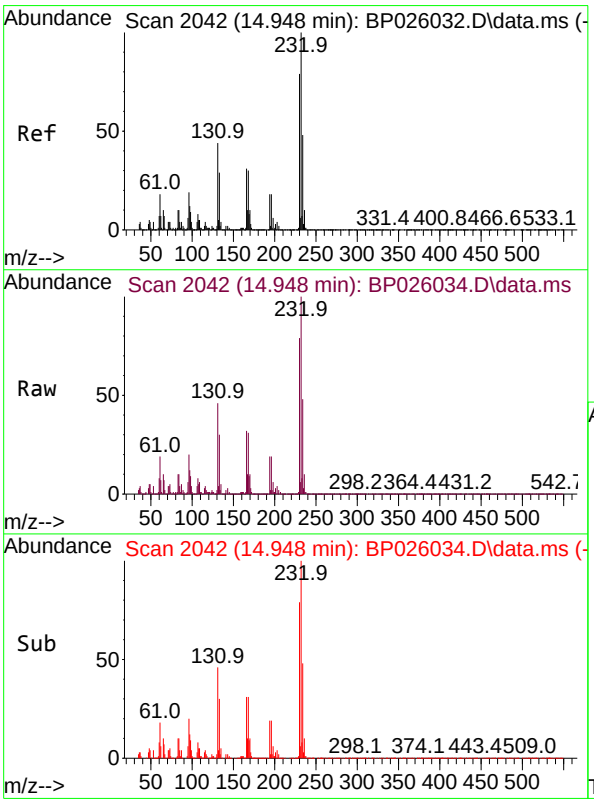
#58
Fluorene
Concen: 62.737 ng
RT: 15.383 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:166 Resp: 3313648

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.1	117.1
167	13.4	10.6	16.0

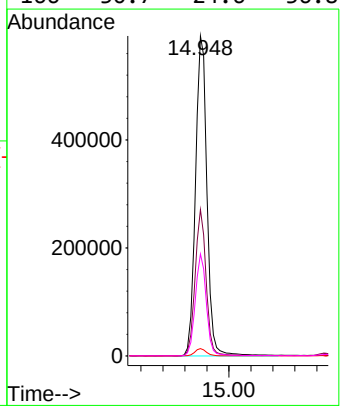


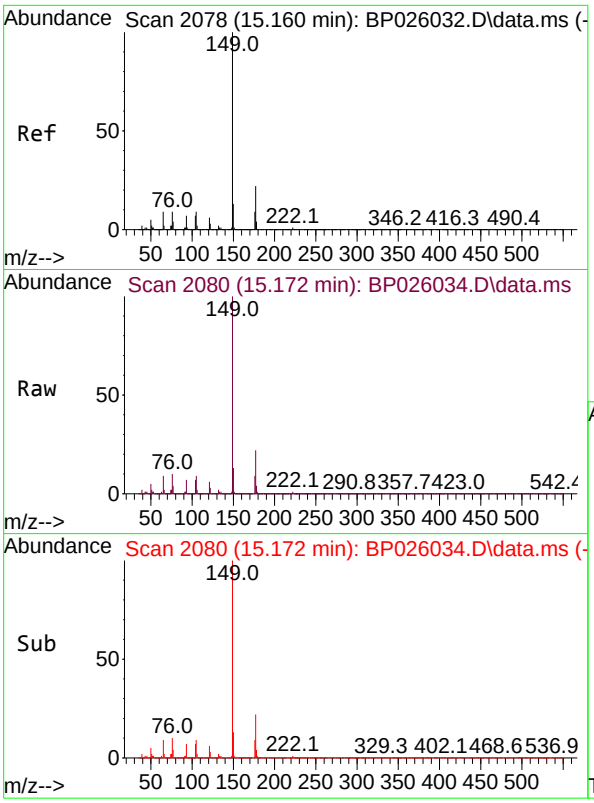


#59
2,3,4,6-Tetrachlorophenol
Concen: 70.360 ng
RT: 14.948 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:232 Resp: 858179

Ion	Ratio	Lower	Upper
232	100		
131	43.8	35.2	52.8
130	2.3	1.7	2.5
166	30.7	24.6	36.8



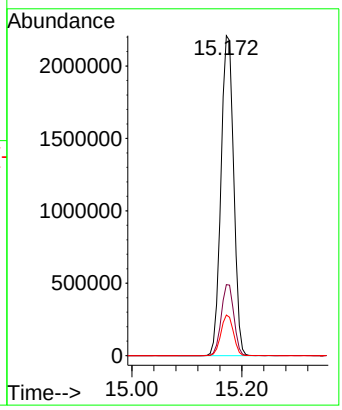


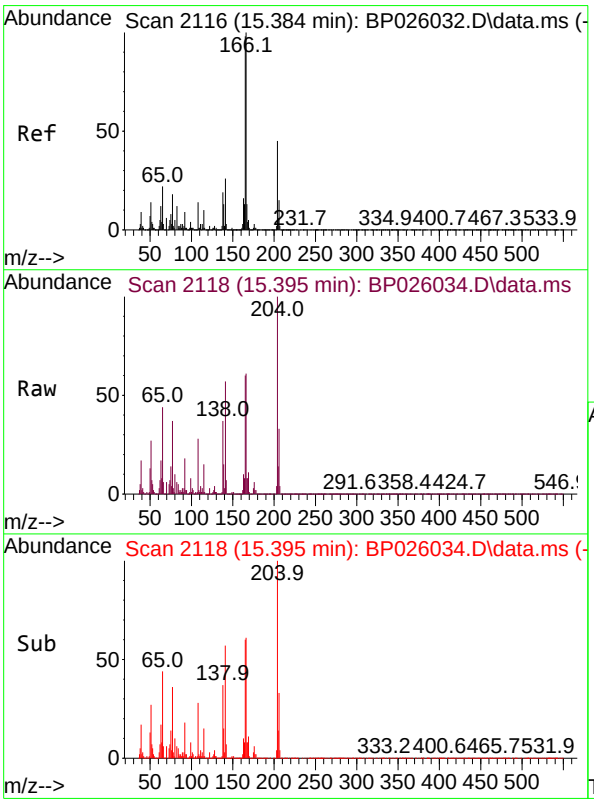
#60
Diethylphthalate
Concen: 65.288 ng
RT: 15.172 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 3534128

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.7	10.1	15.1

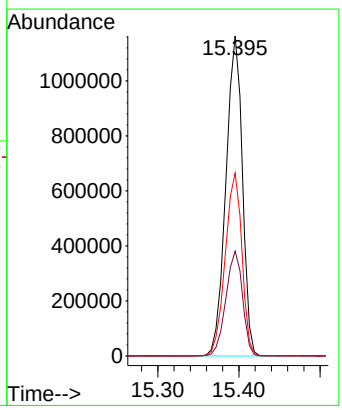


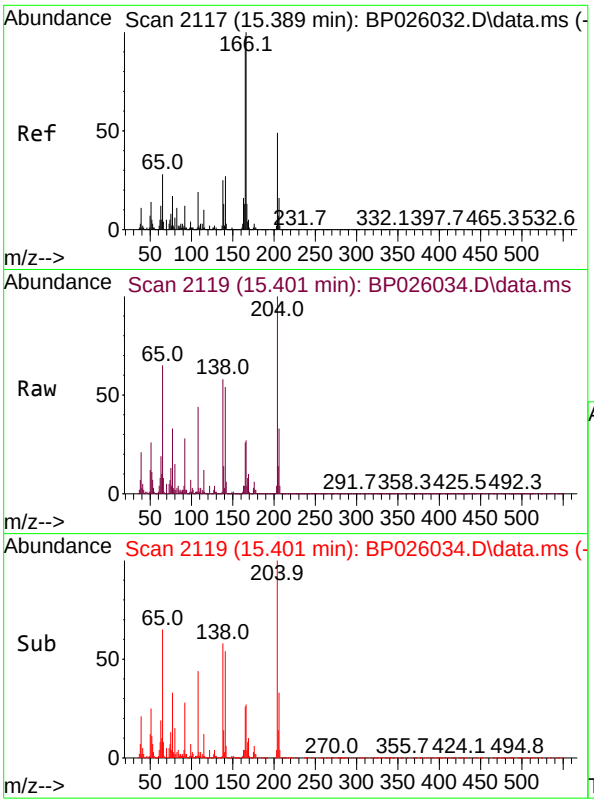


#61
4-Chlorophenyl-phenylether
Concen: 62.210 ng
RT: 15.395 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:204 Resp: 1640879

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	57.1	47.0	70.4



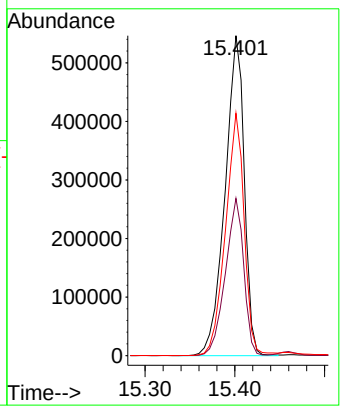


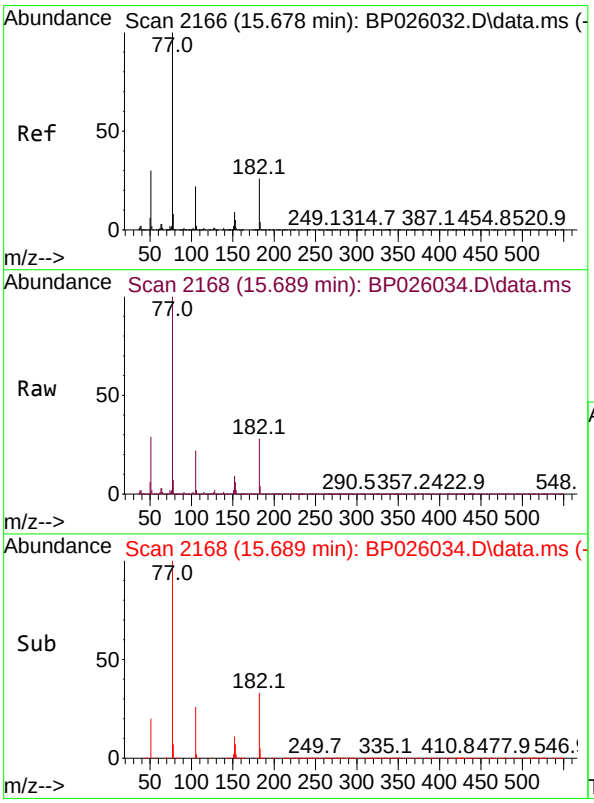
#62
4-Nitroaniline
Concen: 71.051 ng
RT: 15.401 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 817496

Ion	Ratio	Lower	Upper
138	100		
92	49.1	28.2	68.2
108	75.7	56.0	96.0

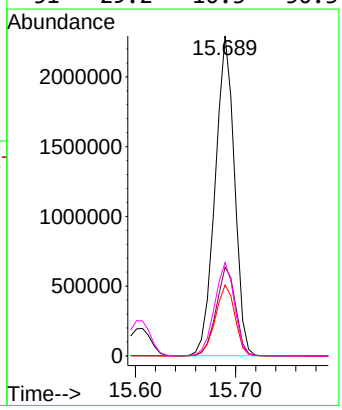


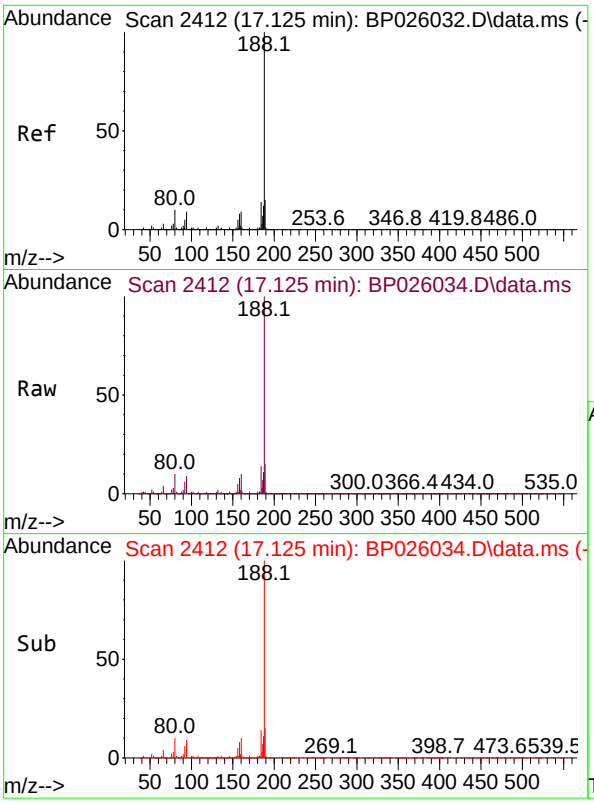


#63
Azobenzene
Concen: 62.764 ng
RT: 15.689 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 77 Resp: 3079138

Ion	Ratio	Lower	Upper
77	100		
182	27.7	6.4	46.4
105	22.1	2.2	42.2
51	29.2	10.3	50.3



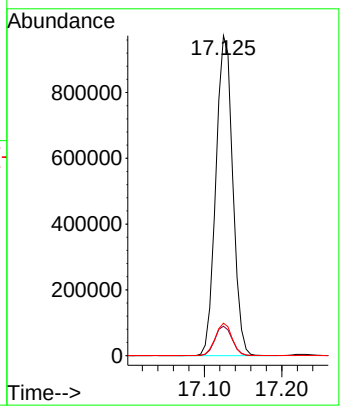


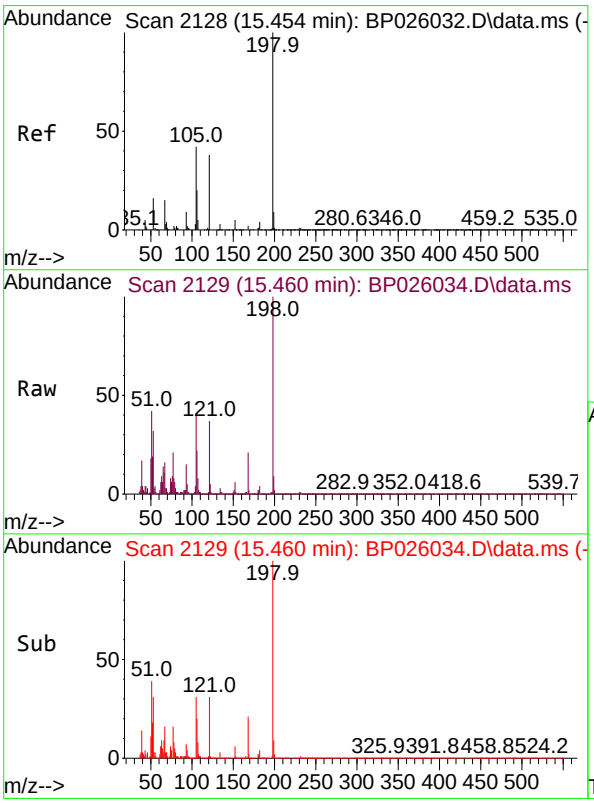
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:188 Resp: 1468570

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.1	10.7
80	10.1	7.9	11.9

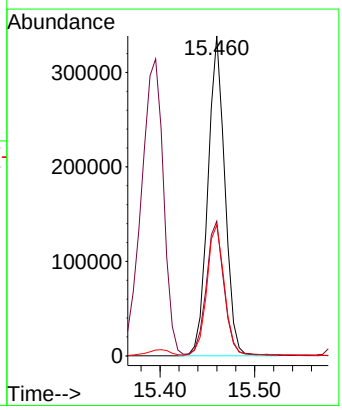


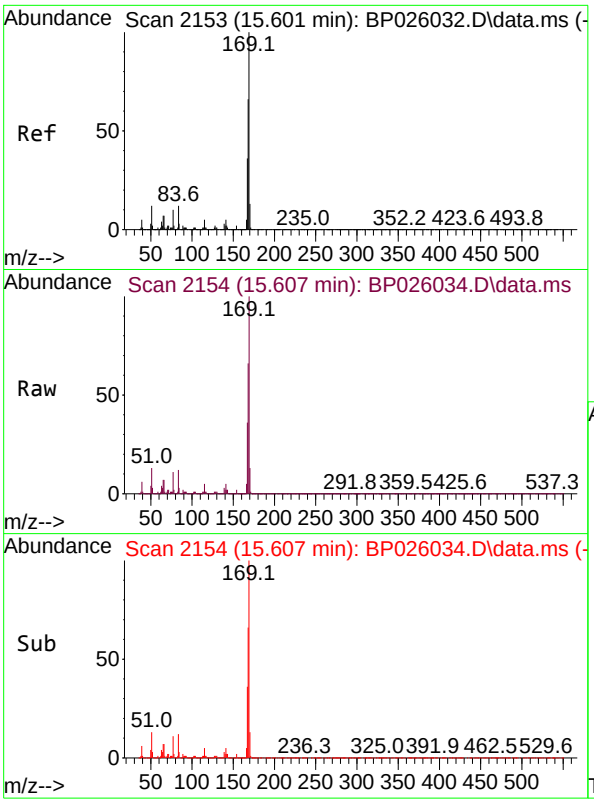


#65
4,6-Dinitro-2-methylphenol
Concen: 64.124 ng
RT: 15.460 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:198 Resp: 420911

Ion	Ratio	Lower	Upper
198	100		
51	42.1	25.2	65.2
105	40.9	23.7	63.7



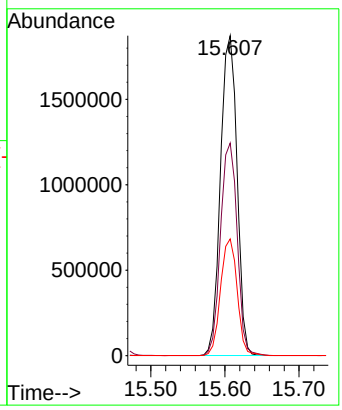


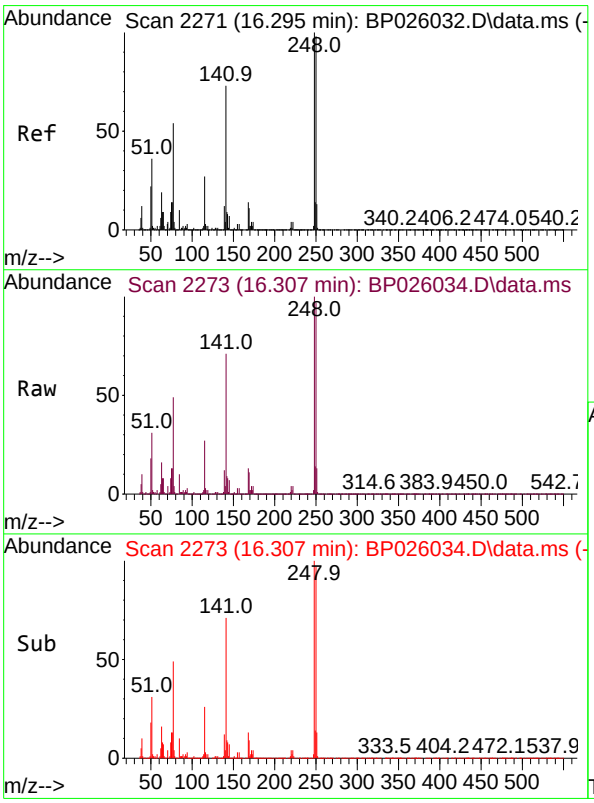
#66
n-Nitrosodiphenylamine
Concen: 63.193 ng
RT: 15.607 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:169 Resp: 2901612

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.9	79.3
167	36.5	28.9	43.3

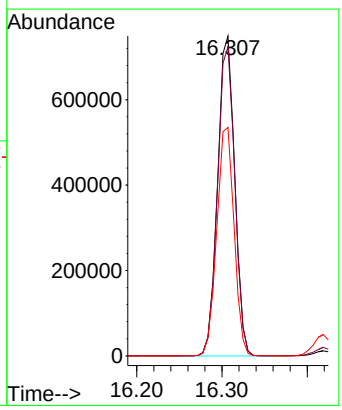


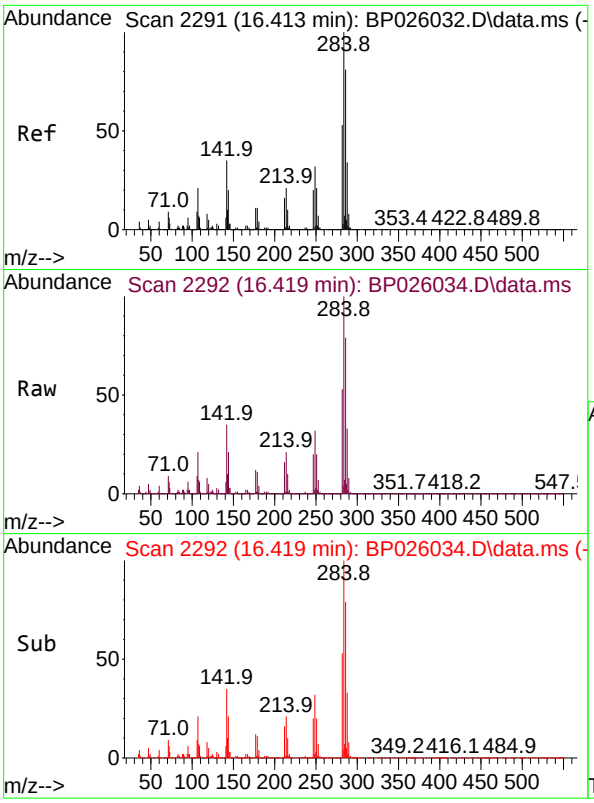


#67
4-Bromophenyl-phenylether
Concen: 64.082 ng
RT: 16.307 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:248 Resp: 1043905

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.4	117.6
141	71.4	58.3	87.5



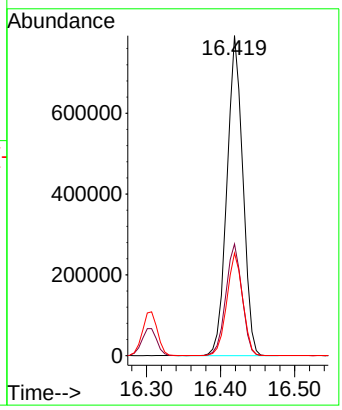


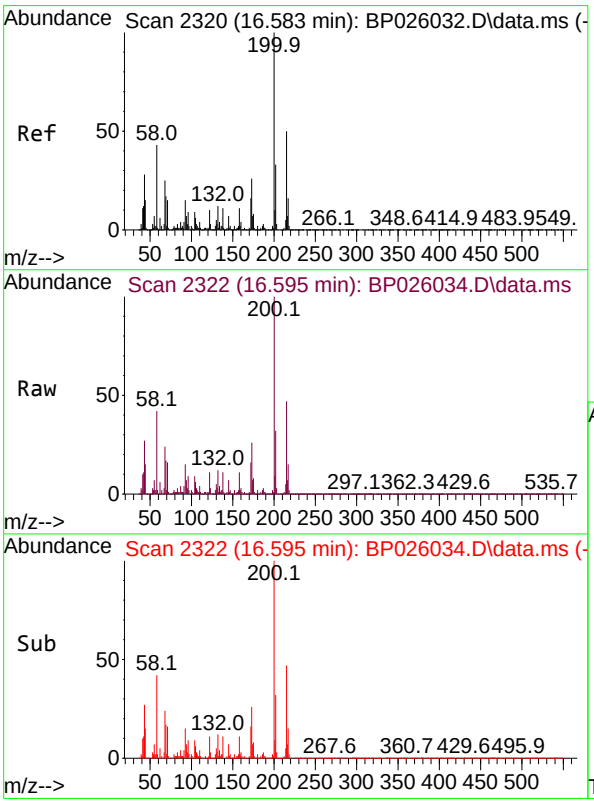
#68
Hexachlorobenzene
Concen: 63.645 ng
RT: 16.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:284 Resp: 1180264

Ion	Ratio	Lower	Upper
284	100		
142	34.9	27.7	41.5
249	32.0	25.5	38.3

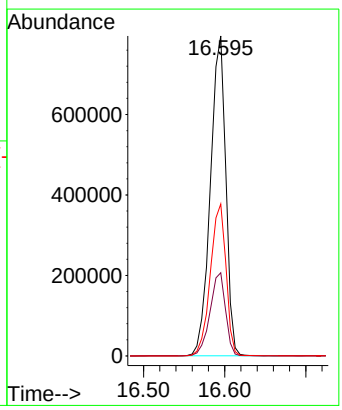


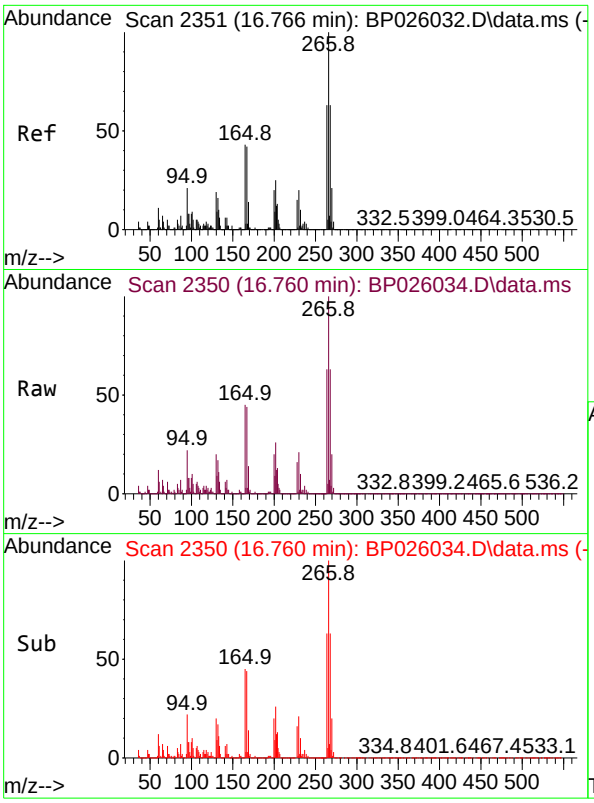


#69
Atrazine
Concen: 67.838 ng
RT: 16.595 min Scan# 2322
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:200 Resp: 1050788

Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.2	46.2
215	47.5	29.8	69.8



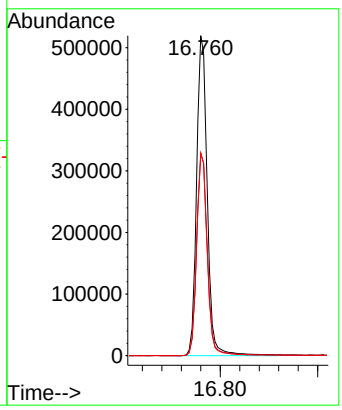


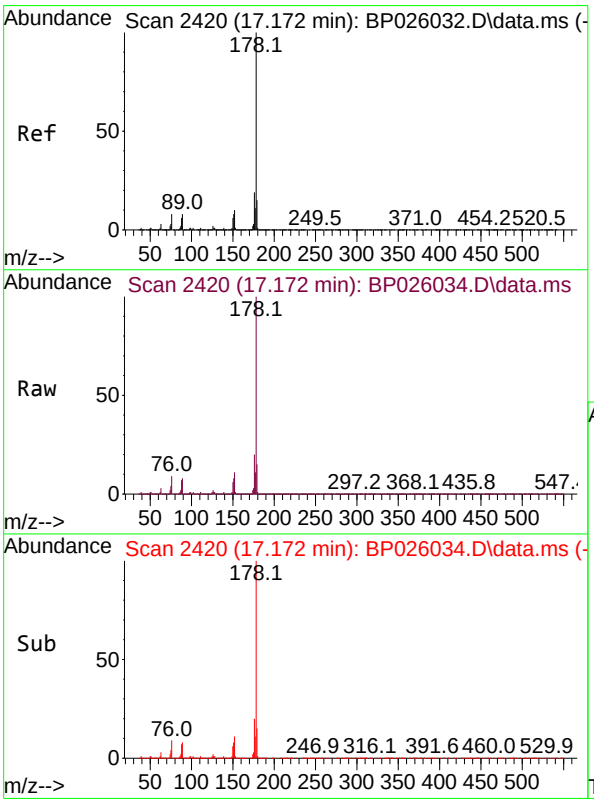
#70
Pentachlorophenol
Concen: 69.166 ng
RT: 16.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 783472

Ion	Ratio	Lower	Upper
266	100		
268	63.0	50.6	76.0
264	63.3	50.2	75.4

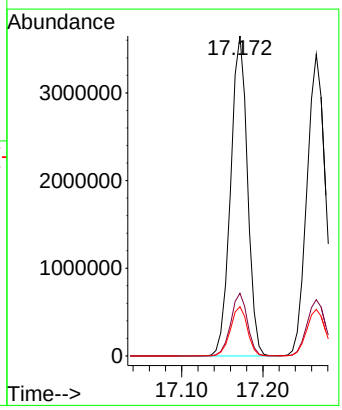


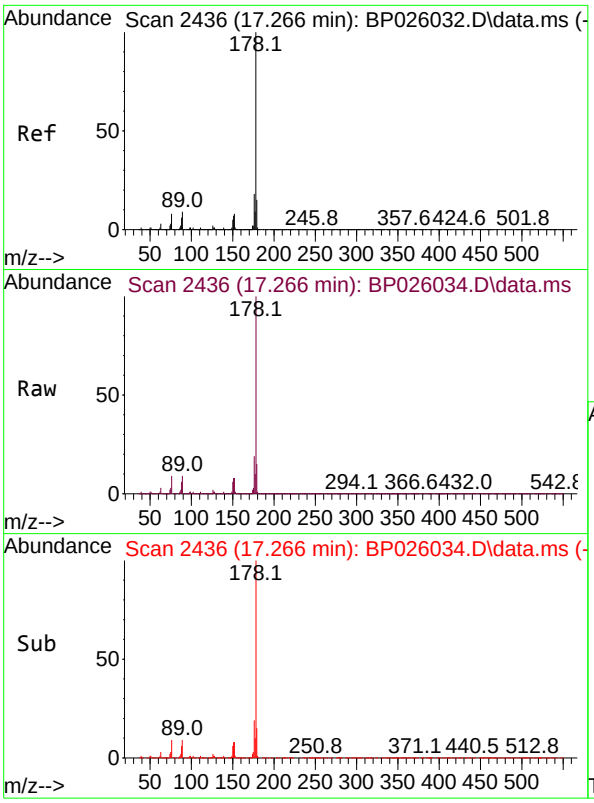


#71
Phenanthrene
Concen: 61.576 ng
RT: 17.172 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:178 Resp: 5263383

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.4	12.3	18.5



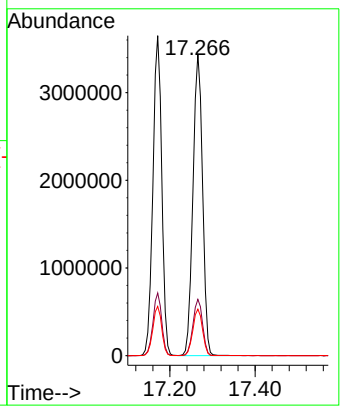


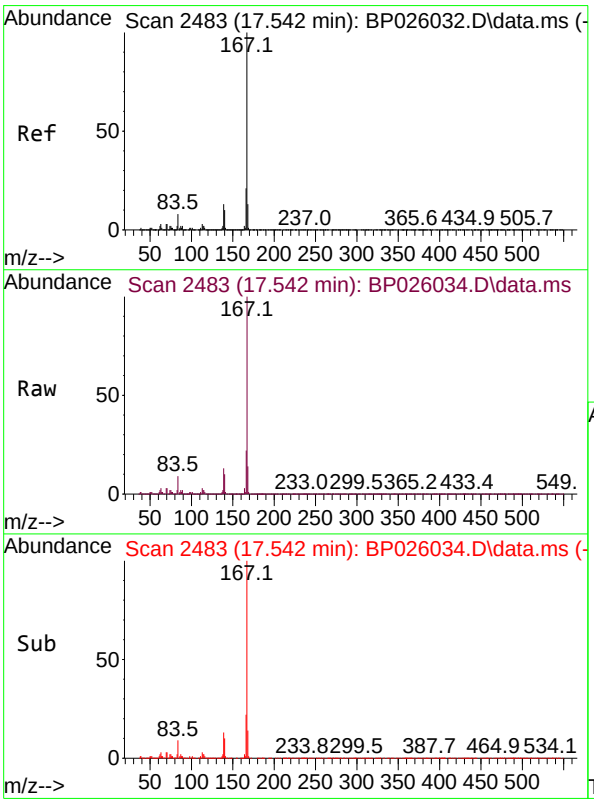
#72
Anthracene
Concen: 63.447 ng
RT: 17.266 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 5375909

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.4	12.2	18.4

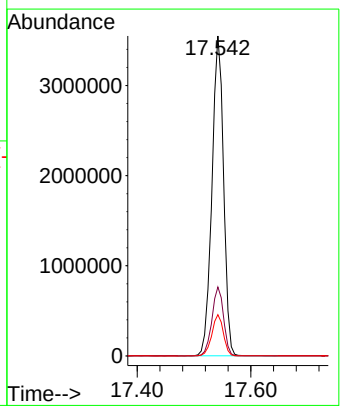


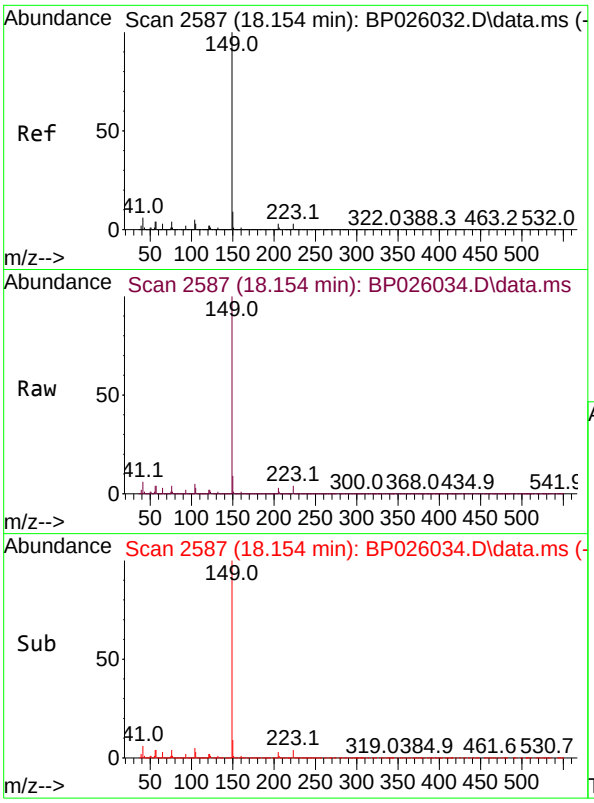


#73
Carbazole
Concen: 63.086 ng
RT: 17.542 min Scan# 2483
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:167 Resp: 5059908

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	12.9	10.2	15.2



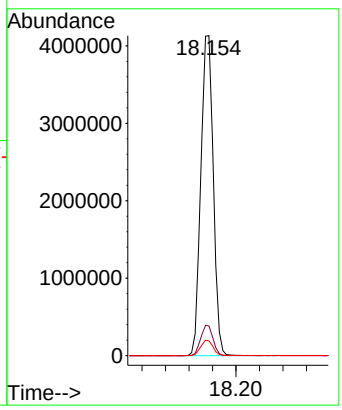


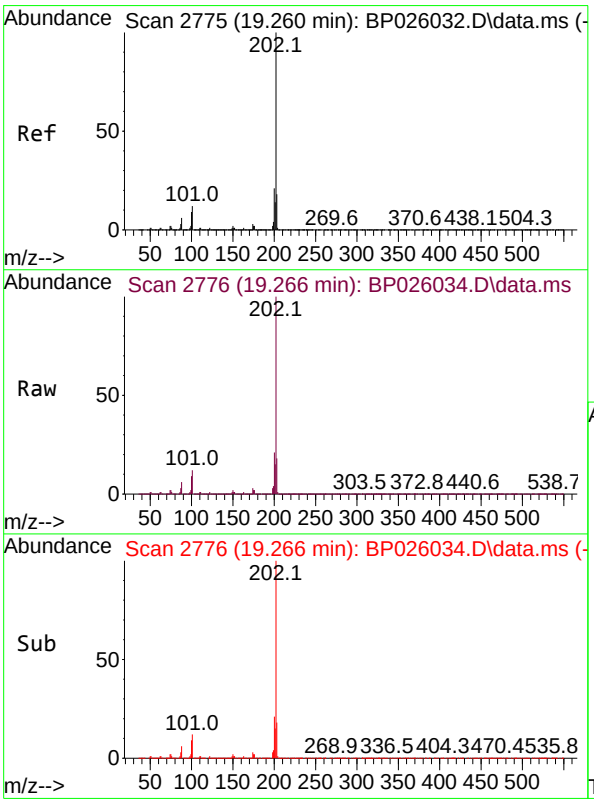
#74
Di-n-butylphthalate
Concen: 67.663 ng
RT: 18.154 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 6072603

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.7	3.8	5.6

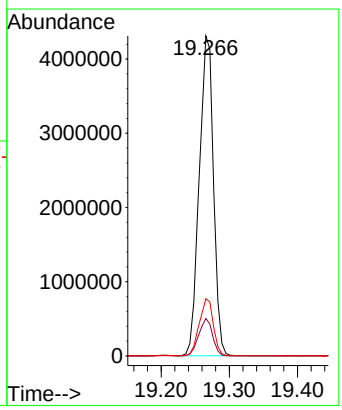


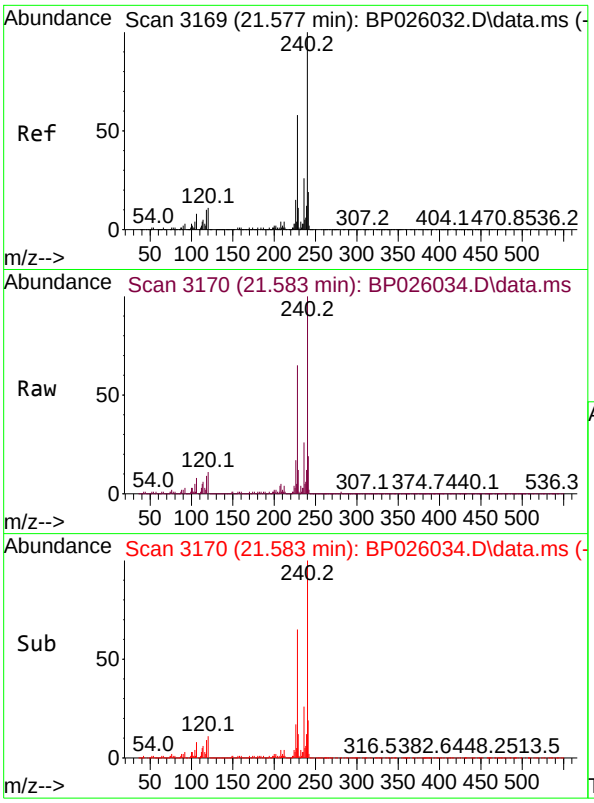


#75
Fluoranthene
Concen: 62.816 ng
RT: 19.266 min Scan# 2776
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:202 Resp: 6263426

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.1
203	17.9	0.0	37.6



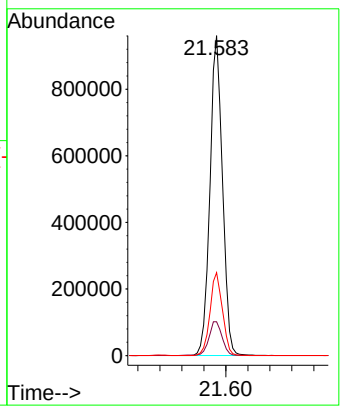


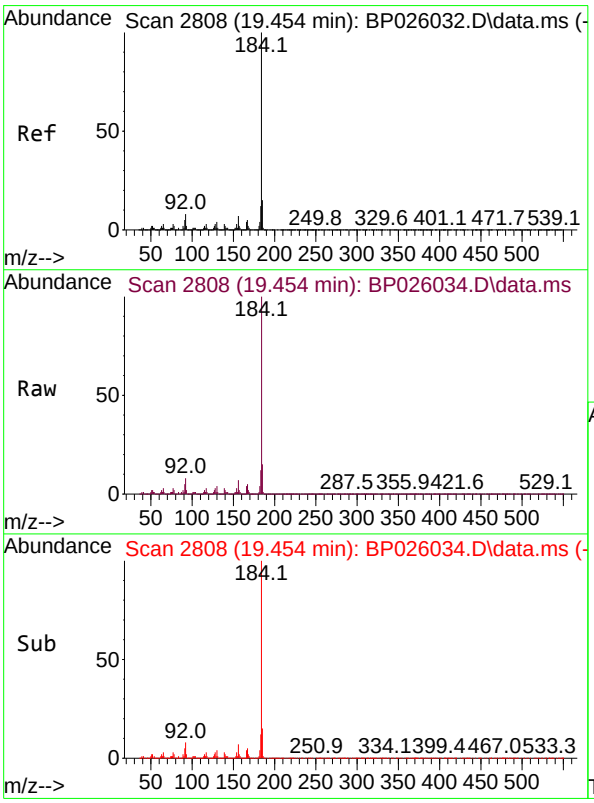
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 1519622

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.9	20.6	31.0

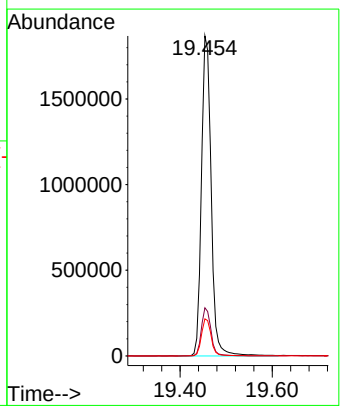


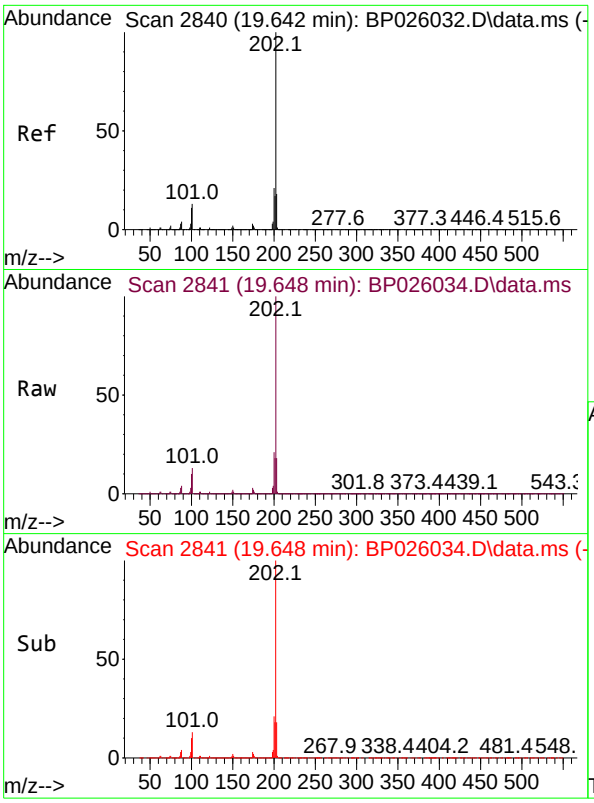


#77
Benzidine
Concen: 70.680 ng
RT: 19.454 min Scan# 2808
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:184 Resp: 2726283

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.9	17.9
183	11.6	9.2	13.8



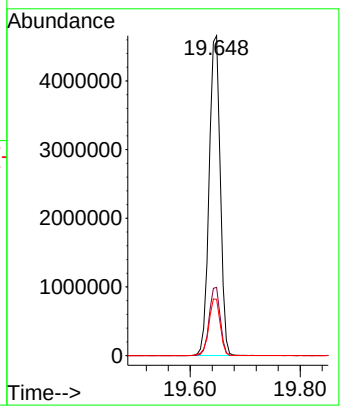


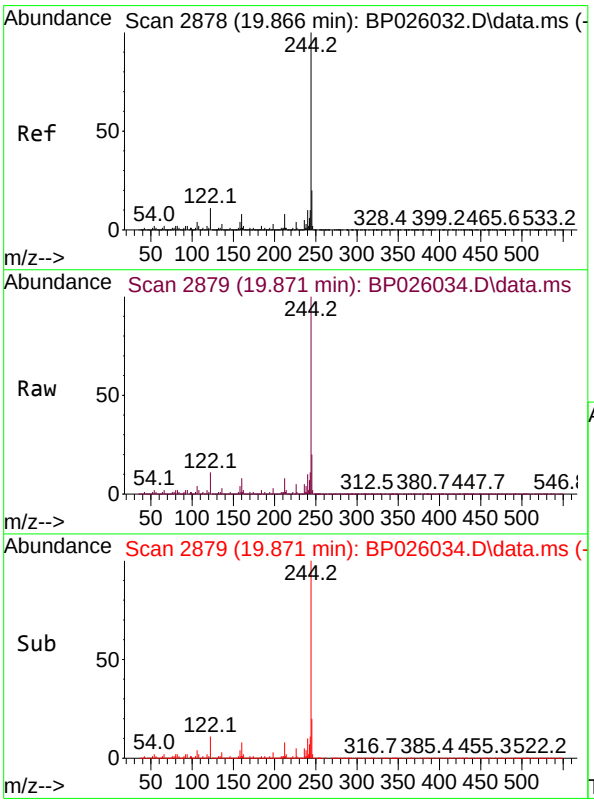
#78
Pyrene
Concen: 63.454 ng
RT: 19.648 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 6521771

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	17.6	14.0	21.0

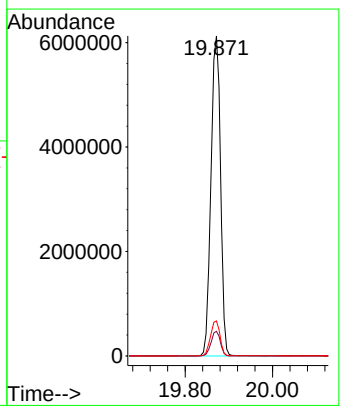


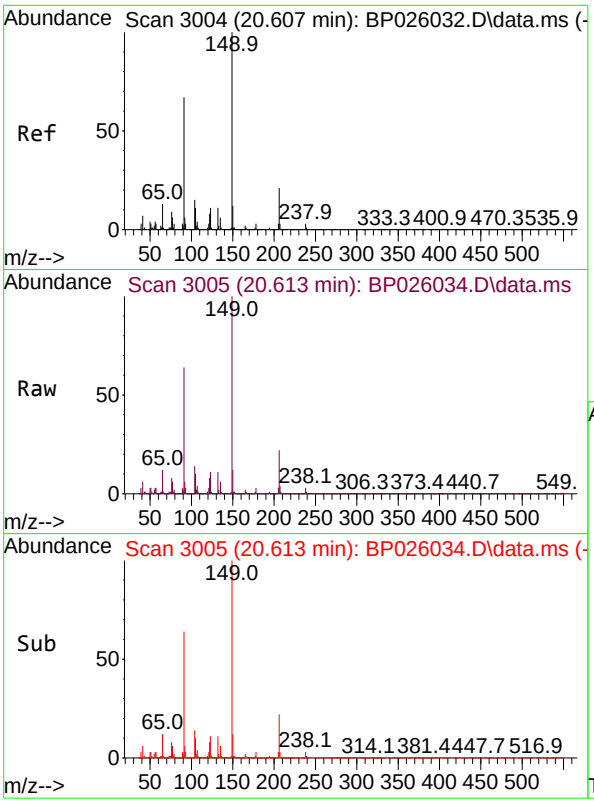


#79
Terphenyl-d14
Concen: 124.204 ng
RT: 19.871 min Scan# 2879
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:244 Resp: 9289969

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	10.9	9.0	13.6



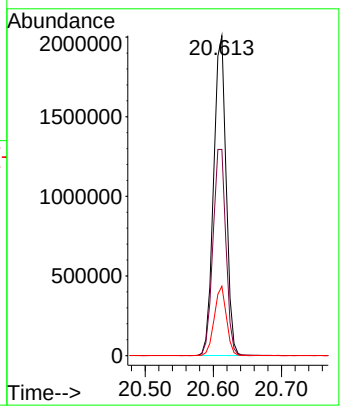


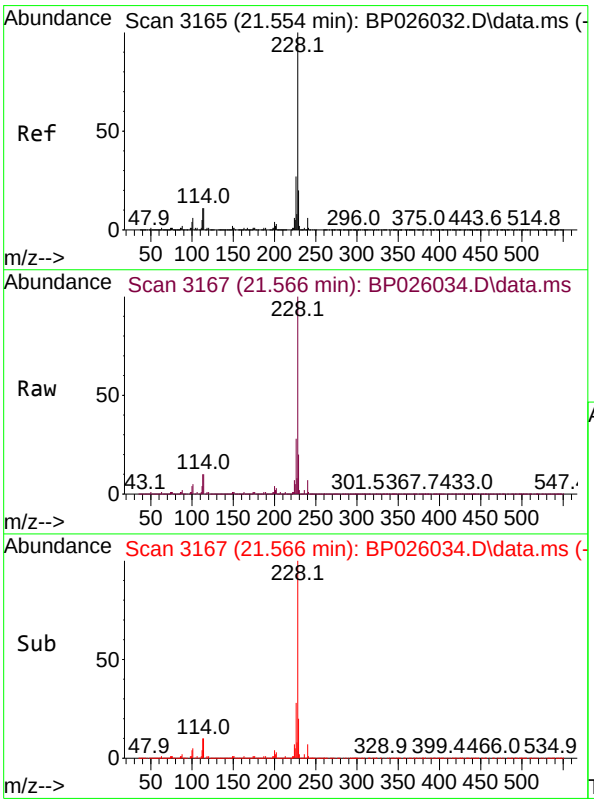
#80
Butylbenzylphthalate
Concen: 65.127 ng
RT: 20.613 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2549176

Ion	Ratio	Lower	Upper
149	100		
91	64.4	53.5	80.3
206	21.7	16.6	25.0

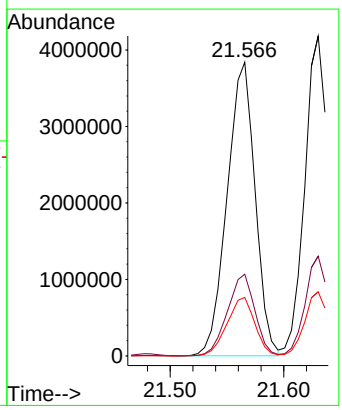


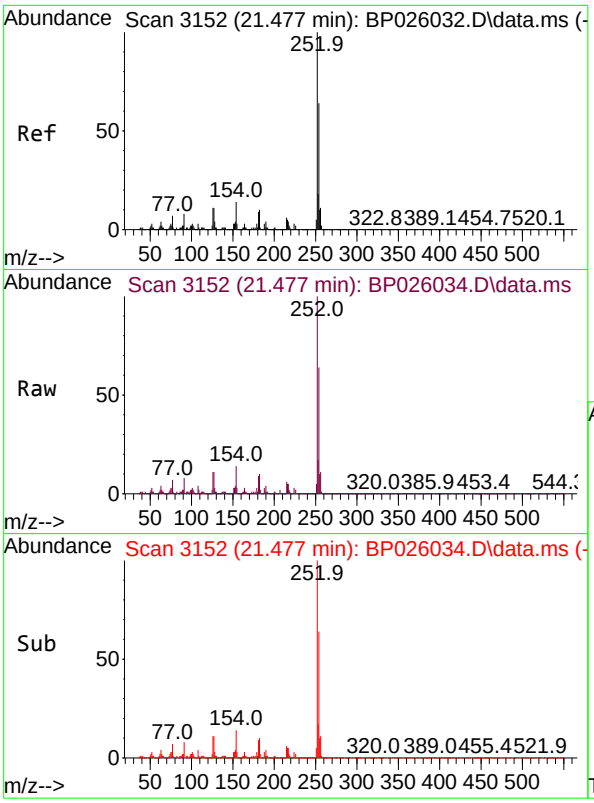


#81
Benzo(a)anthracene
Concen: 62.991 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.018 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:228 Resp: 6577757

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	19.9	15.8	23.8



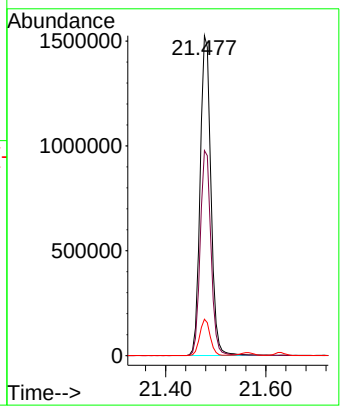


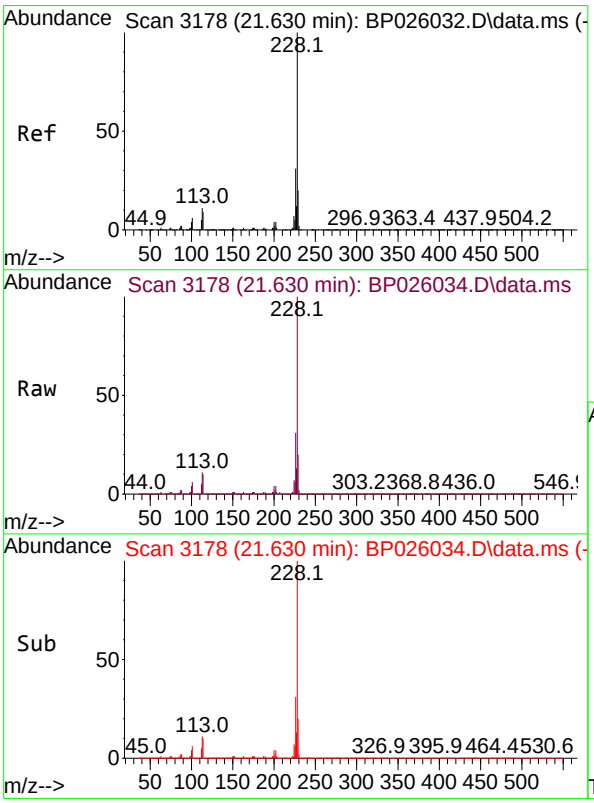
#82
3,3'-Dichlorobenzidine
Concen: 67.371 ng
RT: 21.477 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 2266707

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.3	76.9
126	11.4	9.1	13.7

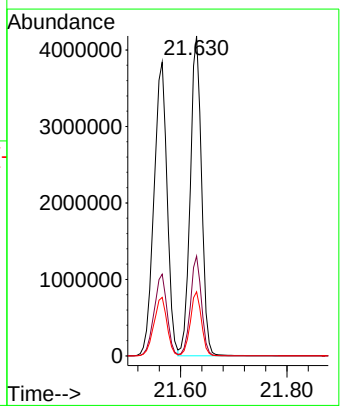


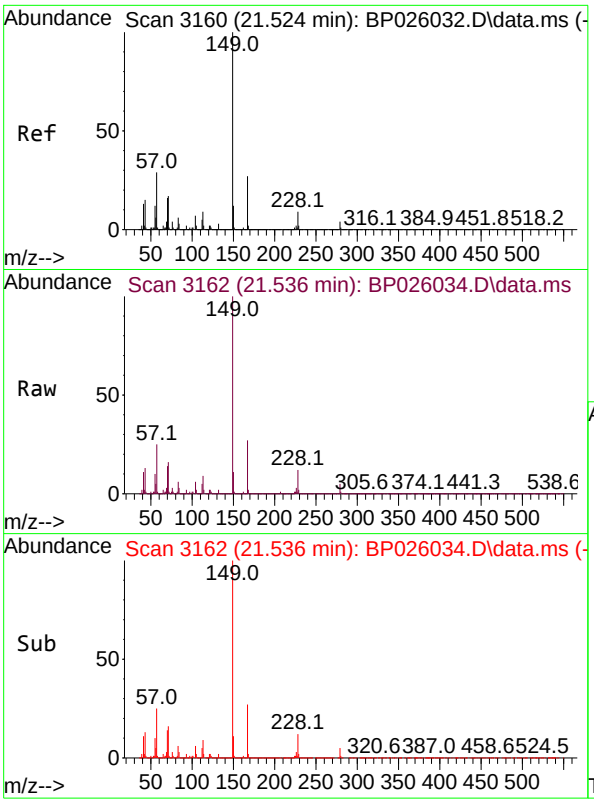


#83
Chrysene
Concen: 62.176 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:228 Resp: 6150315

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.4	36.6
229	20.0	16.0	24.0



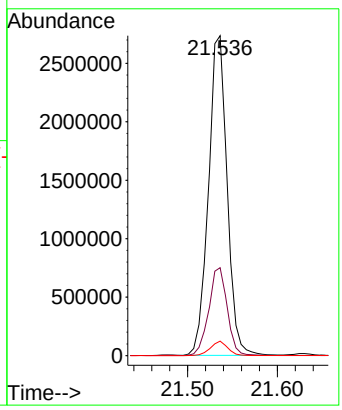


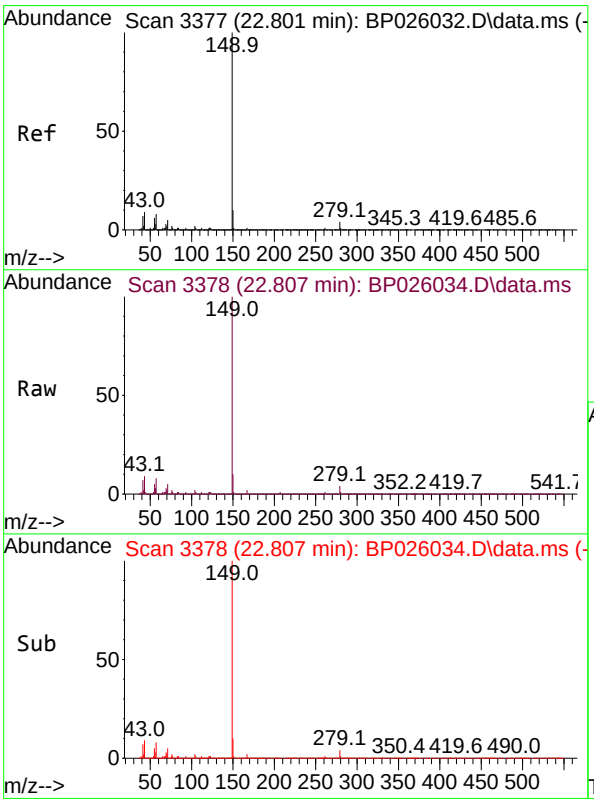
#84
Bis(2-ethylhexyl)phthalate
Concen: 62.903 ng
RT: 21.536 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 3949393

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.5	32.3
279	4.5	3.0	4.6

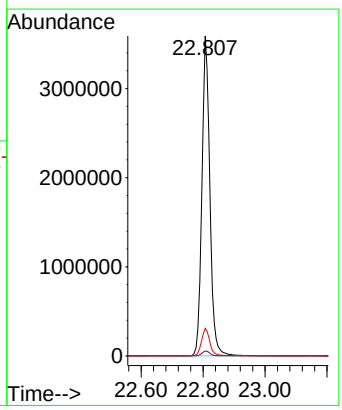


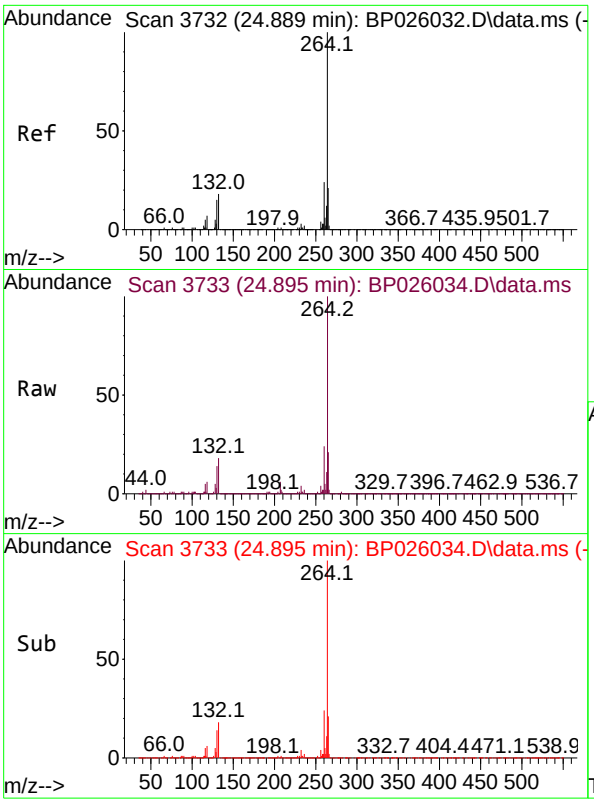


#85
Di-n-octyl phthalate
Concen: 70.922 ng
RT: 22.807 min Scan# 3378
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:149 Resp: 6415656

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.1	7.6	11.4



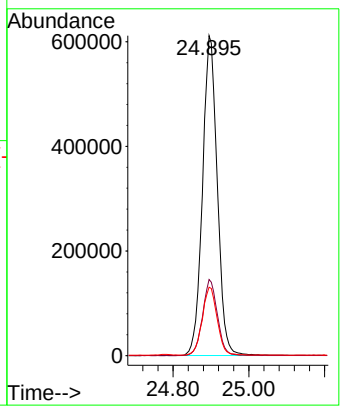


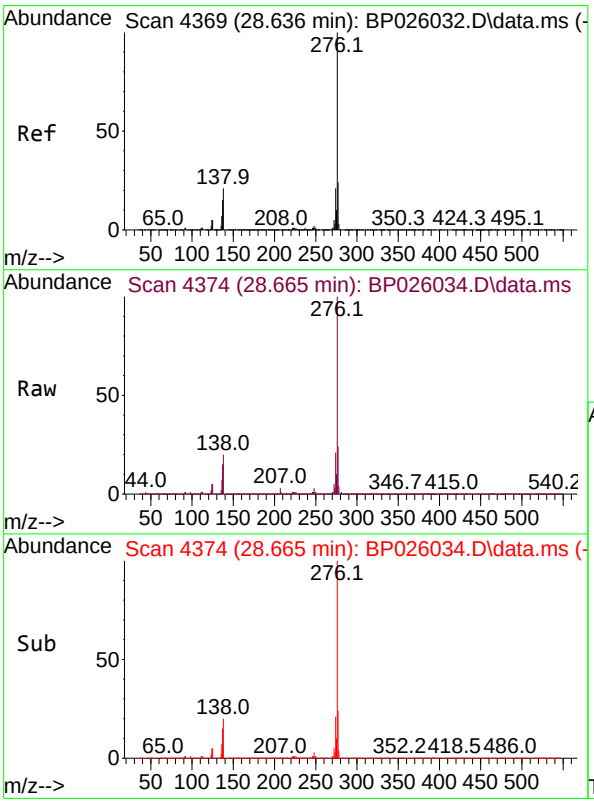
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.895 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 1658930

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.4	17.2	25.8

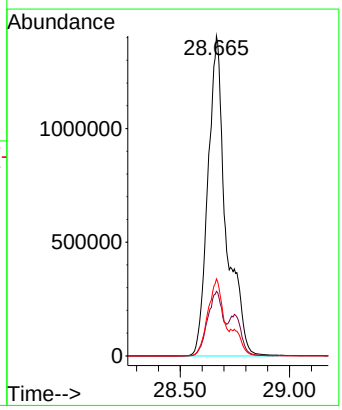


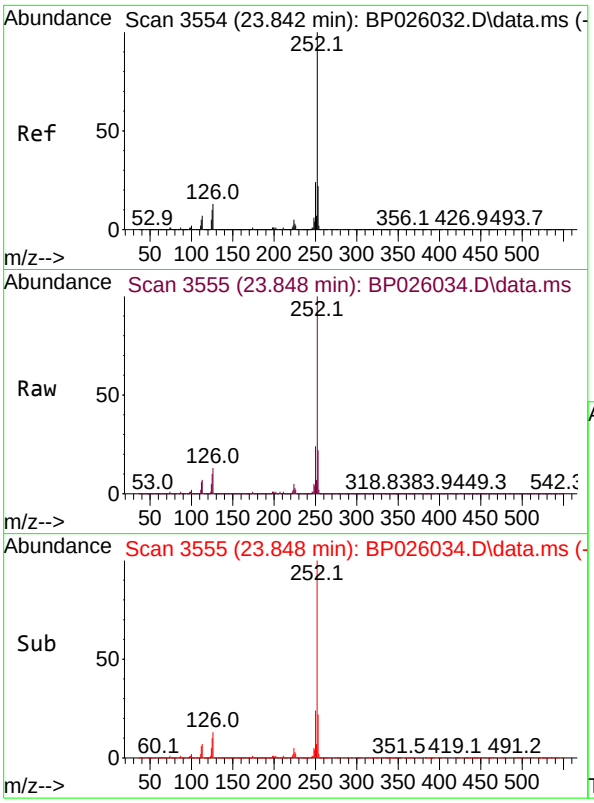


#87
Indeno(1,2,3-cd)pyrene
Concen: 66.237 ng
RT: 28.665 min Scan# 4374
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:276 Resp: 8109098

Ion	Ratio	Lower	Upper
276	100		
138	17.1	13.2	19.8
277	20.2	16.3	24.5



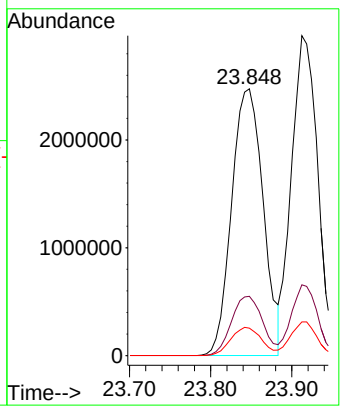


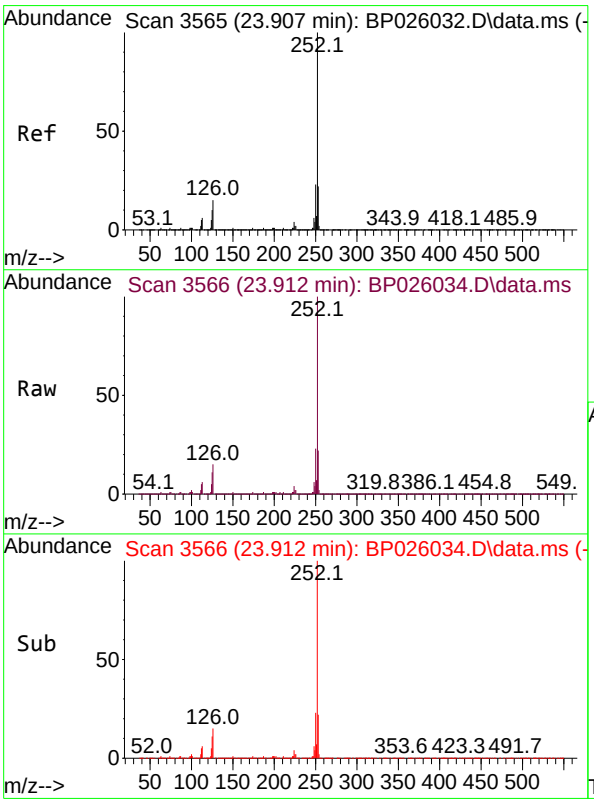
#88
Benzo(b)fluoranthene
Concen: 65.011 ng
RT: 23.848 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 6695122

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.3	8.1	12.1

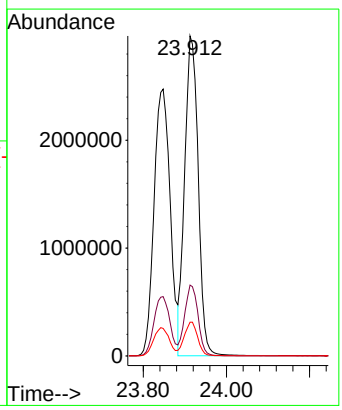


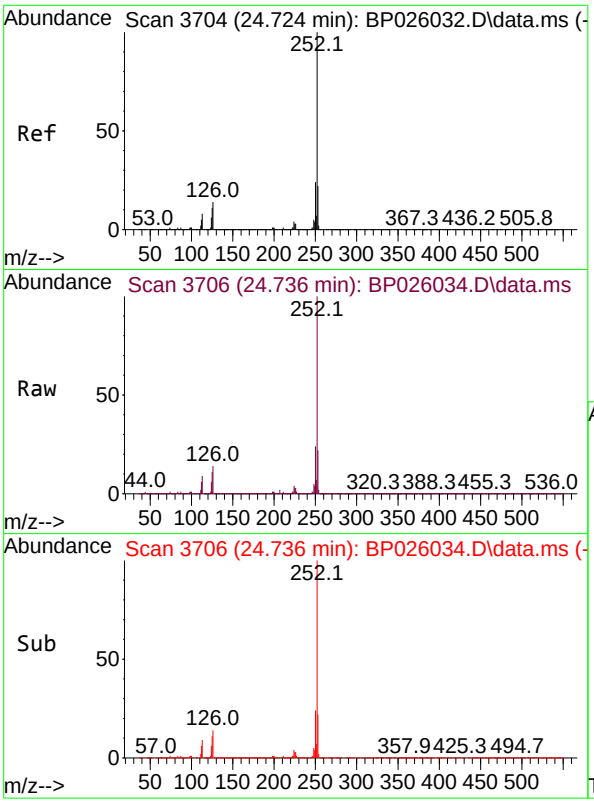


#89
Benzo(k)fluoranthene
Concen: 63.737 ng
RT: 23.912 min Scan# 3566
Delta R.T. -0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:252 Resp: 6702900

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.5	8.1	12.1



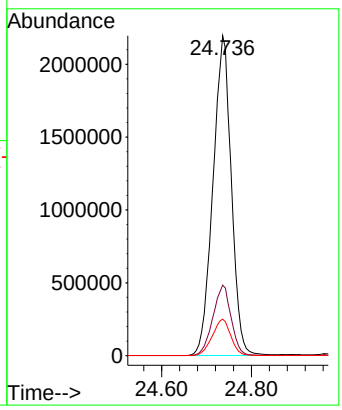


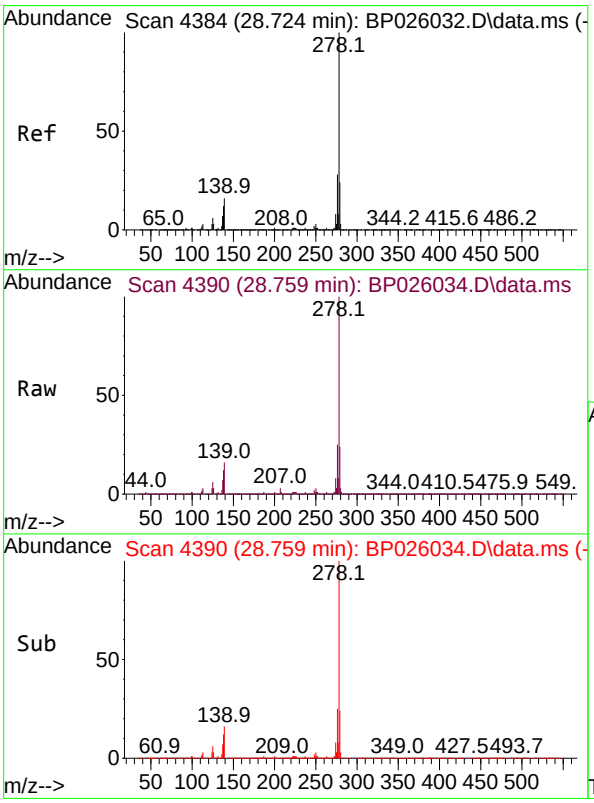
#90
Benzo(a)pyrene
Concen: 65.888 ng
RT: 24.736 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 6233786

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	11.4	9.1	13.7

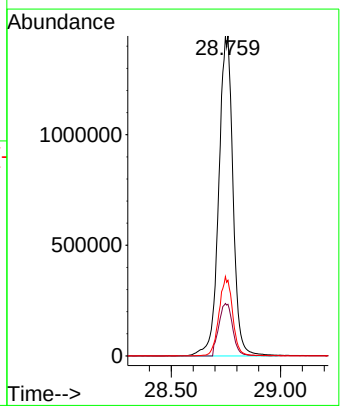


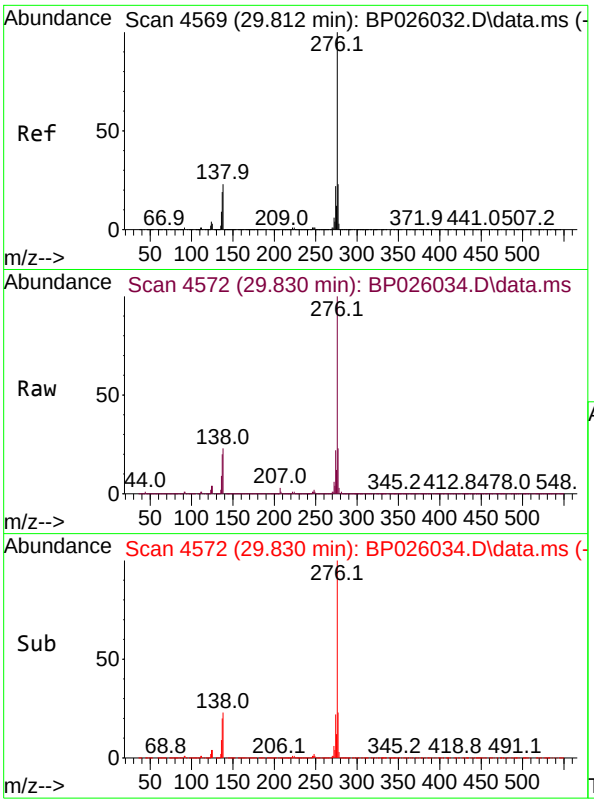


#91
Dibenzo(a,h)anthracene
Concen: 65.929 ng
RT: 28.759 min Scan# 4390
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:278 Resp: 6571045

Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.0	19.6
279	23.6	18.9	28.3



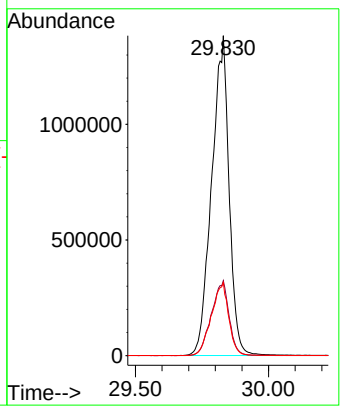


#92
Benzo(g,h,i)perylene
Concen: 65.331 ng
RT: 29.830 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 6265775

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.5	27.7
138	22.8	18.1	27.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026035.D
Acq On : 29 Oct 2025 14:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 18:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.690	152	285372	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1176810	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	727864	20.000	ng	0.00
64) Phenanthrene-d10	17.124	188	1454350	20.000	ng	0.00
76) Chrysene-d12	21.565	240	1518010	20.000	ng	0.00
86) Perylene-d12	24.883	264	1693006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	2853584	165.001	ng	0.00
7) Phenol-d6	6.854	99	3663018	166.407	ng	0.00
23) Nitrobenzene-d5	8.825	82	3225718	170.878	ng	0.00
42) 2,4,6-Tribromophenol	15.830	330	1360572	172.904	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	7610514	150.244	ng	0.00
79) Terphenyl-d14	19.865	244	11030199	147.627	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	581796	79.799	ng	98
3) Pyridine	3.619	79	1683455	81.225	ng	99
4) n-Nitrosodimethylamine	3.537	42	667192	80.319	ng	95
6) Aniline	7.019	93	2386368	81.230	ng	99
8) 2-Chlorophenol	7.254	128	1627396	84.977	ng	98
9) Benzaldehyde	6.831	77	848919	74.188	ng	99
10) Phenol	6.884	94	2009800	82.242	ng	99
11) bis(2-Chloroethyl)ether	7.119	93	1555565	80.659	ng	99
12) 1,3-Dichlorobenzene	7.578	146	1739151	79.076	ng	99
13) 1,4-Dichlorobenzene	7.725	146	1760668	79.178	ng	100
14) 1,2-Dichlorobenzene	8.031	146	1691085	79.697	ng	100
15) Benzyl Alcohol	7.913	79	1329833	83.801	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.201	45	2262252	77.614	ng	99
17) 2-Methylphenol	8.113	107	1342933	83.922	ng	99
18) Hexachloroethane	8.760	117	623268	81.910	ng	99
19) n-Nitroso-di-n-propyla...	8.490	70	1125887	82.397	ng	97
20) 3+4-Methylphenols	8.443	107	1820304	81.769	ng	99
22) Acetophenone	8.495	105	2326587	78.173	ng	99
24) Nitrobenzene	8.866	77	1665956	83.585	ng	99
25) Isophorone	9.390	82	3260235	80.688	ng	100
27) 2,4-Dimethylphenol	9.631	122	1434677	84.436	ng	99
28) bis(2-Chloroethoxy)met...	9.866	93	2010418	78.950	ng	99
29) 2,4-Dichlorophenol	10.095	162	1524906	84.998	ng	99
30) 1,2,4-Trichlorobenzene	10.319	180	1545459	79.255	ng	99
31) Naphthalene	10.501	128	5003853	77.974	ng	99
32) Benzoic acid	9.778	122	1000336	79.140	ng	97
33) 4-Chloroaniline	10.595	127	2008519	81.448	ng	99
34) Hexachlorobutadiene	10.795	225	976216	78.780	ng	99
35) Caprolactam	11.384	113	526808	83.619	ng	94
36) 4-Chloro-3-methylphenol	11.731	107	1587177	84.393	ng	99
37) 2-Methylnaphthalene	12.113	142	3532026	78.637	ng	99
38) 1-Methylnaphthalene	12.336	142	3416923	78.306	ng	99
40) 1,2,4,5-Tetrachloroben...	12.489	216	1802921	79.720	ng	100
41) Hexachlorocyclopentadiene	12.478	237	732085	88.474	ng	96
43) 2,4,6-Trichlorophenol	12.725	196	1201855	89.908	ng	100
44) 2,4,5-Trichlorophenol	12.795	196	1327296	87.017	ng	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026035.D
Acq On : 29 Oct 2025 14:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) 1,1'-Biphenyl	13.136	154	4347017	77.997 ng	100
47) 2-Chloronaphthalene	13.172	162	3434628	78.326 ng	100
48) 2-Nitroaniline	13.378	65	958497	84.358 ng	96
49) Acenaphthylene	14.036	152	5073069	79.376 ng	100
50) Dimethylphthalate	13.772	163	4187309	79.090 ng	100
51) 2,6-Dinitrotoluene	13.878	165	834638	83.478 ng	99
52) Acenaphthene	14.383	154	3469946	79.085 ng	99
53) 3-Nitroaniline	14.207	138	995927	81.547 ng	99
54) 2,4-Dinitrophenol	14.419	184	366262	79.098 ng	96
55) Dibenzofuran	14.725	168	5170871	78.003 ng	100
56) 4-Nitrophenol	14.519	139	875195	82.900 ng	100
57) 2,4-Dinitrotoluene	14.678	165	1218227	83.983 ng	98
58) Fluorene	15.383	166	3839303	73.925 ng	100
59) 2,3,4,6-Tetrachlorophenol	14.954	232	1077698	89.860 ng	100
60) Diethylphthalate	15.166	149	4232388	79.517 ng	100
61) 4-Chlorophenyl-phenyle...	15.389	204	1914592	73.822 ng	99
62) 4-Nitroaniline	15.401	138	986852	87.229 ng	97
63) Azobenzene	15.689	77	3723361	77.187 ng	98
65) 4,6-Dinitro-2-methylph...	15.454	198	556384	78.914 ng	97
66) n-Nitrosodiphenylamine	15.601	169	3556221	78.206 ng	99
67) 4-Bromophenyl-phenylether	16.301	248	1290917	80.020 ng	98
68) Hexachlorobenzene	16.419	284	1439069	78.359 ng	99
69) Atrazine	16.583	200	1256682	81.924 ng	98
70) Pentachlorophenol	16.766	266	990090	88.261 ng	99
71) Phenanthrene	17.172	178	6425576	75.907 ng	99
72) Anthracene	17.260	178	6487799	77.318 ng	99
73) Carbazole	17.536	167	6270446	78.943 ng	99
74) Di-n-butylphthalate	18.154	149	7283617	81.950 ng	99
75) Fluoranthene	19.260	202	7531112	76.268 ng	99
77) Benzidine	19.454	184	3400762	88.260 ng	99
78) Pyrene	19.636	202	7955581	77.487 ng	99
80) Butylbenzylphthalate	20.607	149	3160394	80.010 ng	99
81) Benzo(a)anthracene	21.548	228	8199298	78.602 ng	99
82) 3,3'-Dichlorobenzidine	21.477	252	2837103	84.414 ng	100
83) Chrysene	21.618	228	7696535	77.890 ng	99
84) Bis(2-ethylhexyl)phtha...	21.518	149	4903538	77.525 ng	99
85) Di-n-octyl phthalate	22.801	149	8284794	91.682 ng	99
87) Indeno(1,2,3-cd)pyrene	28.659	276	10532958m	84.304 ng	
88) Benzo(b)fluoranthene	23.848	252	8542978	81.284 ng	100
89) Benzo(k)fluoranthene	23.924	252	8579950	79.943 ng	99
90) Benzo(a)pyrene	24.742	252	8034864	83.215 ng	99
91) Dibenzo(a,h)anthracene	28.747	278	8497246	83.540 ng	99
92) Benzo(g,h,i)perylene	29.830	276	8153149	83.299 ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

ICAL Form

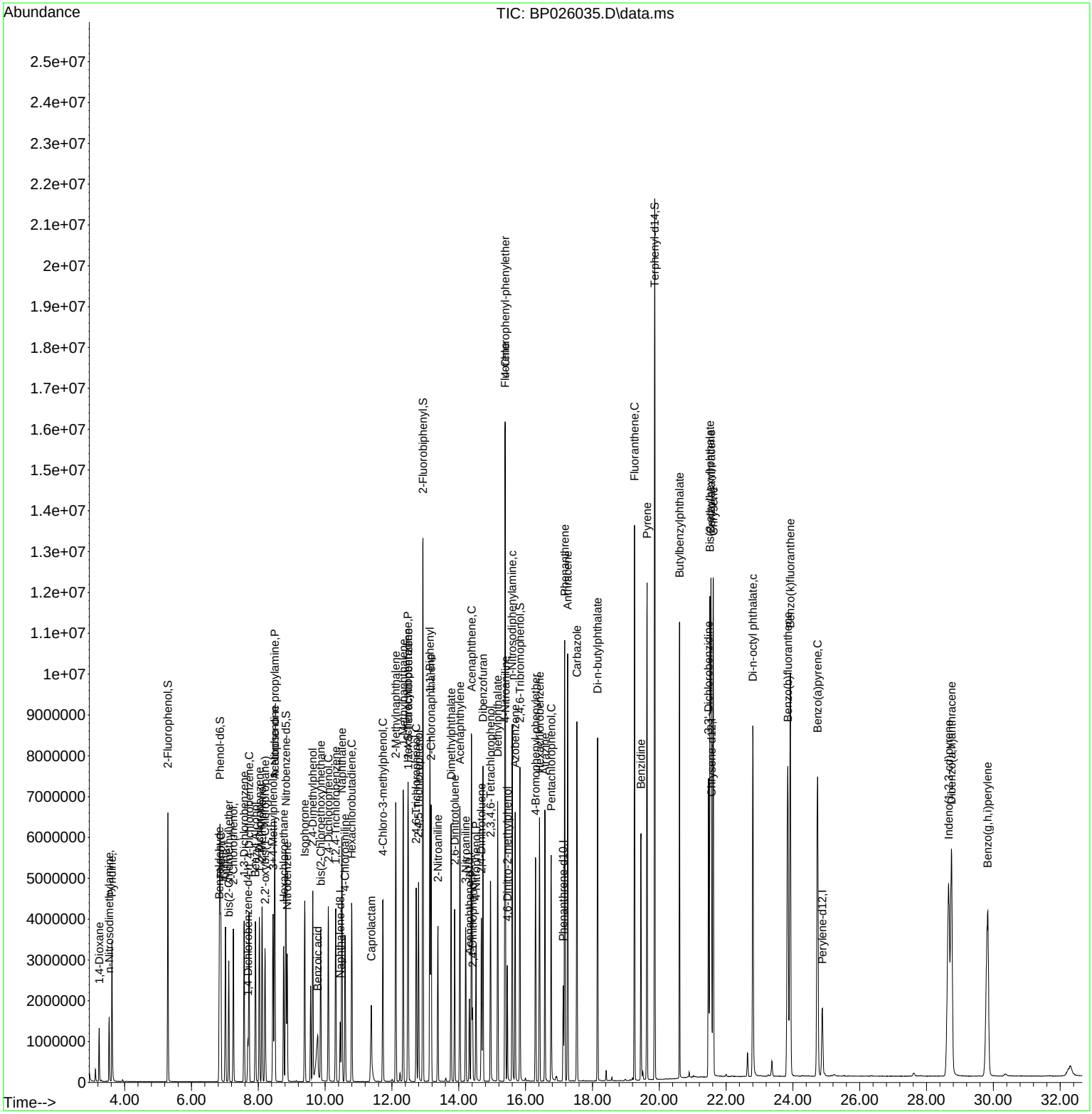
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026035.D
Acq On : 29 Oct 2025 14:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

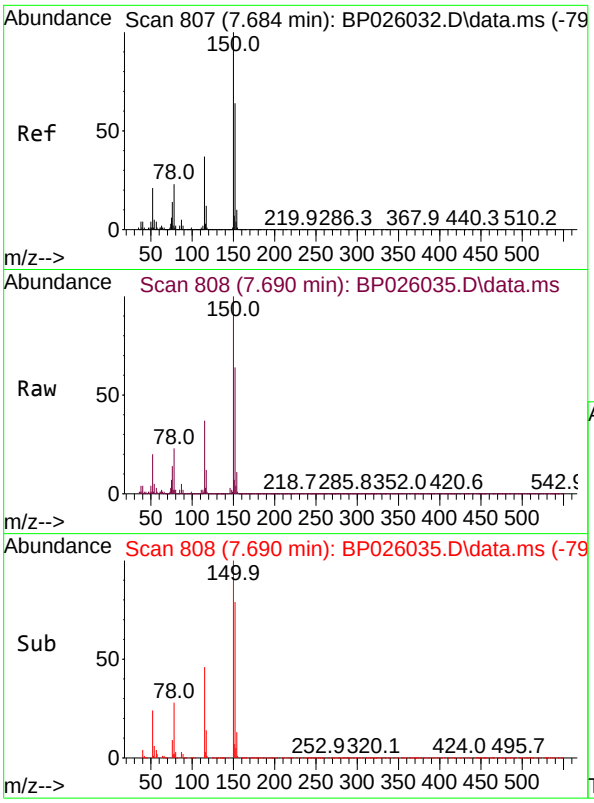
Quant Time: Oct 29 18:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.690 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

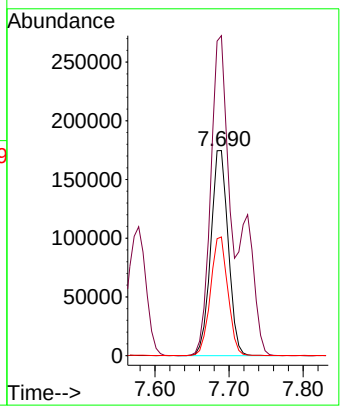
Tgt Ion:152 Resp: 28537

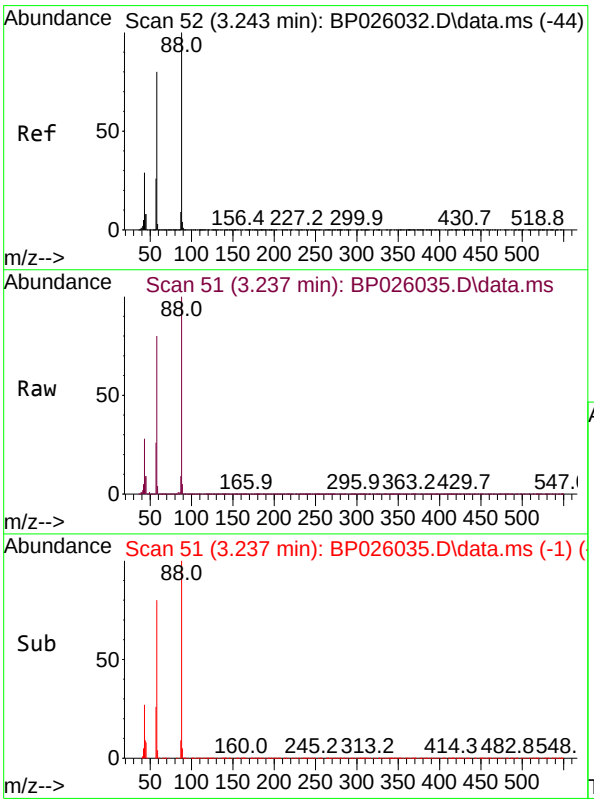
Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.7	188.5
115	57.9	46.4	69.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

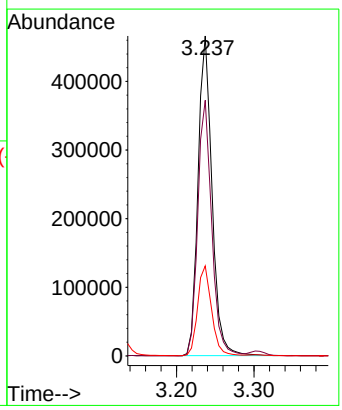


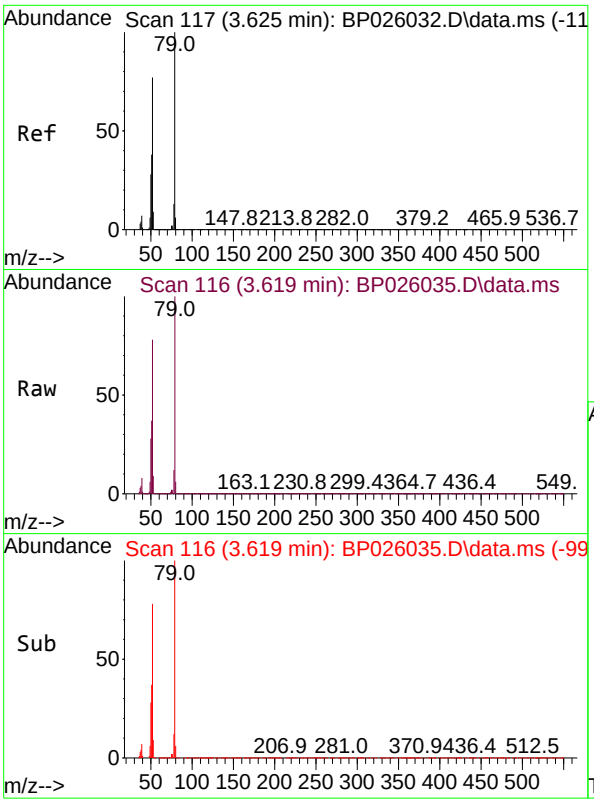


#2
1,4-Dioxane
Concen: 79.799 ng
RT: 3.237 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 88 Resp: 581796

Ion	Ratio	Lower	Upper
88	100		
58	80.1	65.4	98.0
43	28.1	23.1	34.7





#3
Pyridine
Concen: 81.225 ng
RT: 3.619 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

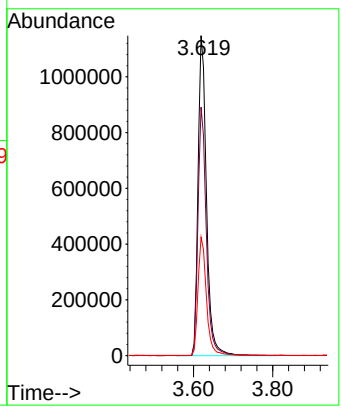
Tgt Ion: 79 Resp: 168345

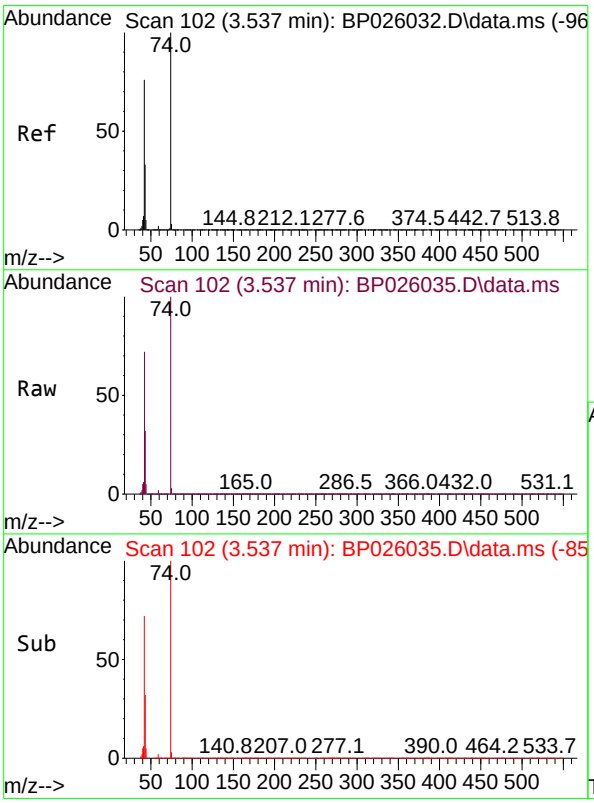
Ion	Ratio	Lower	Upper
79	100		
52	77.6	62.0	93.0
51	37.0	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

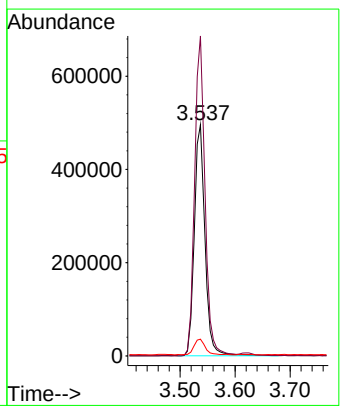


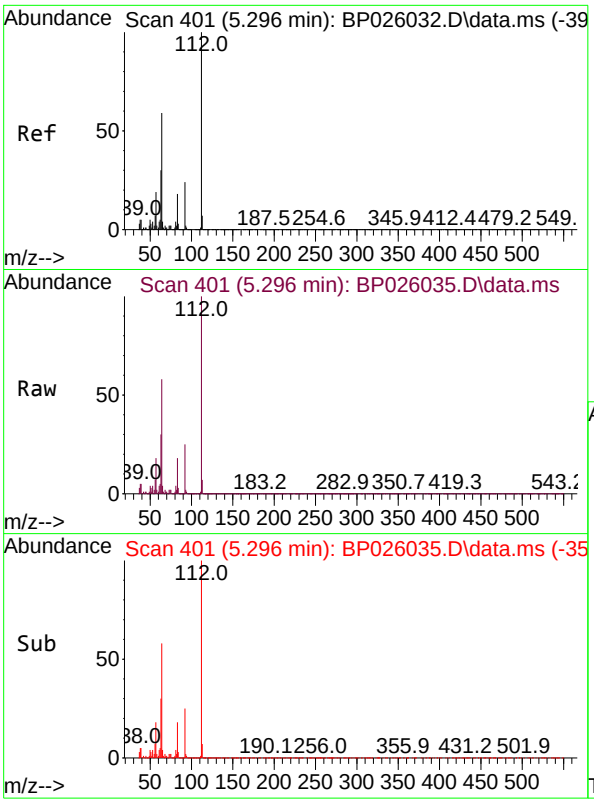


#4
n-Nitrosodimethylamine
Concen: 80.319 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 42 Resp: 667192

Ion	Ratio	Lower	Upper
42	100		
74	138.5	105.7	158.5
44	7.2	6.6	9.8





#5
2-Fluorophenol
Concen: 165.001 ng
RT: 5.296 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

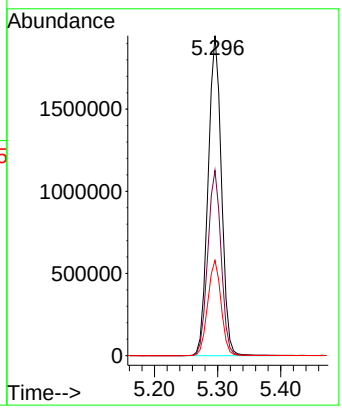
Tgt Ion:112 Resp: 285358

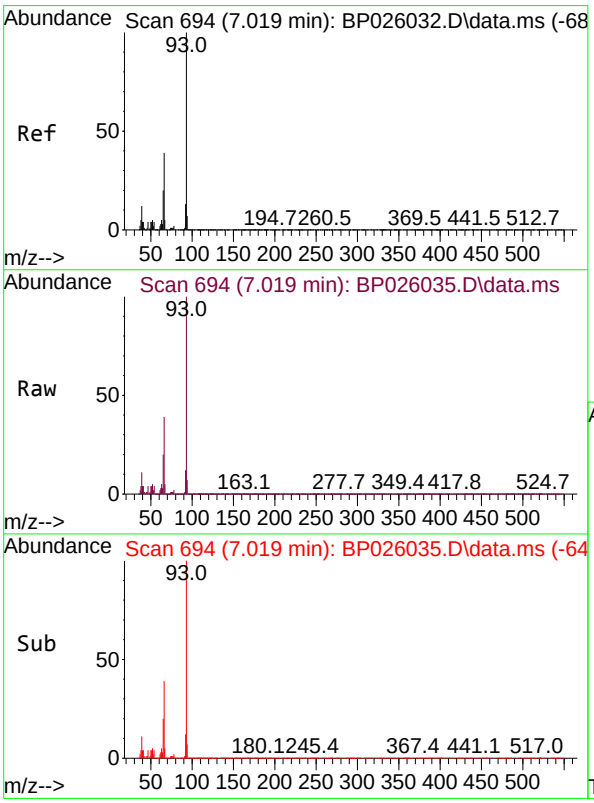
Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.4	71.2
63	29.8	24.2	36.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

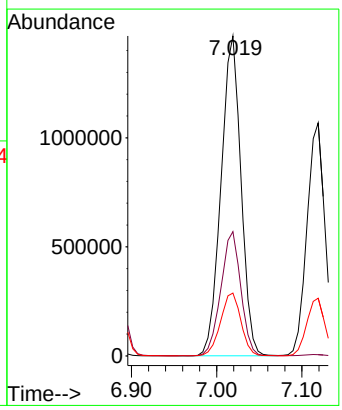


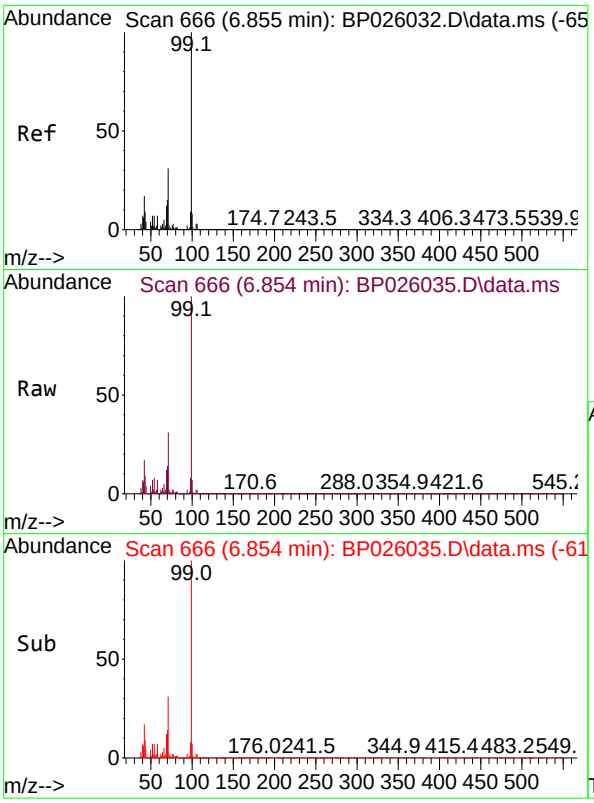


#6
Aniline
Concen: 81.230 ng
RT: 7.019 min Scan# 694
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 93 Resp: 2386368

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.2	46.8
65	19.6	16.1	24.1





#7
Phenol-d6
Concen: 166.407 ng
RT: 6.854 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

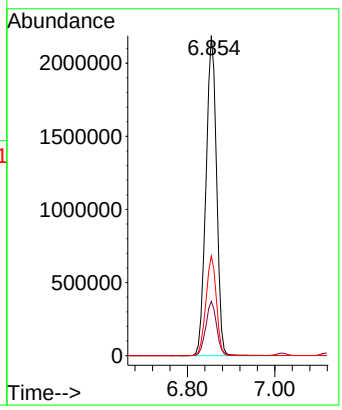
Tgt Ion: 99 Resp: 3663018

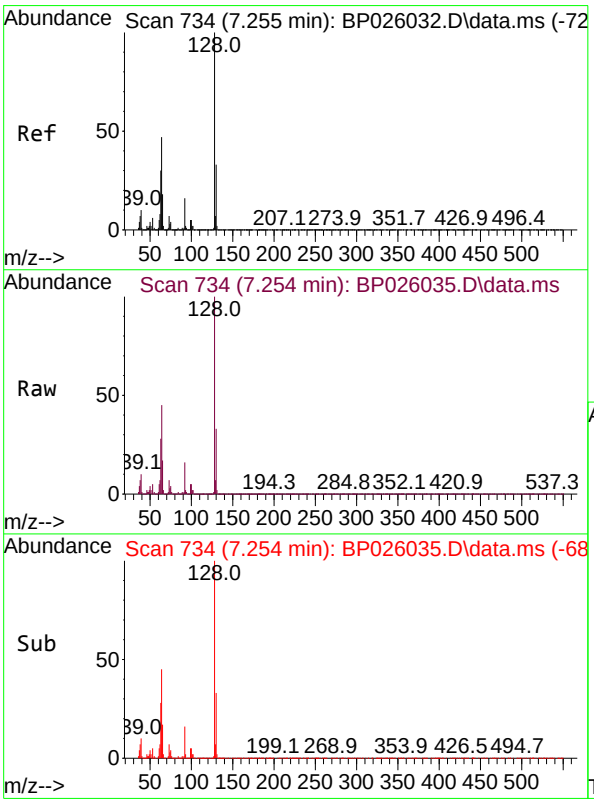
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.7	20.5
71	31.1	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

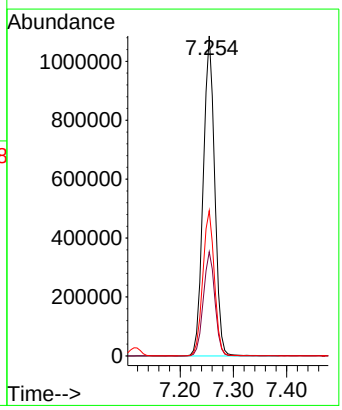


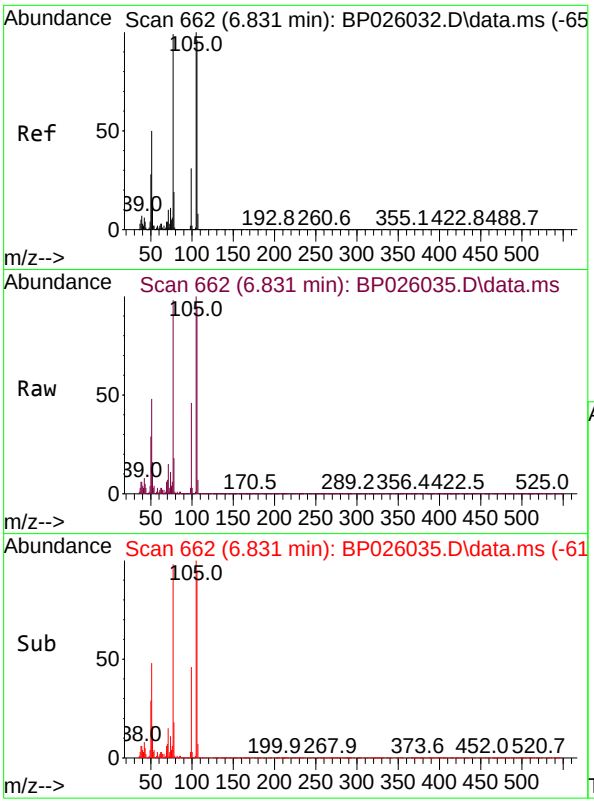


#8
2-Chlorophenol
Concen: 84.977 ng
RT: 7.254 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:128 Resp: 1627396

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.7	52.7
64	45.4	27.4	67.4





#9
Benzaldehyde
Concen: 74.188 ng
RT: 6.831 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 77 Resp: 848919

Ion	Ratio	Lower	Upper
77	100		
105	102.0	80.7	120.7
106	97.3	76.5	116.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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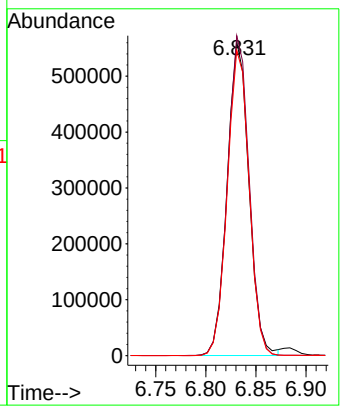
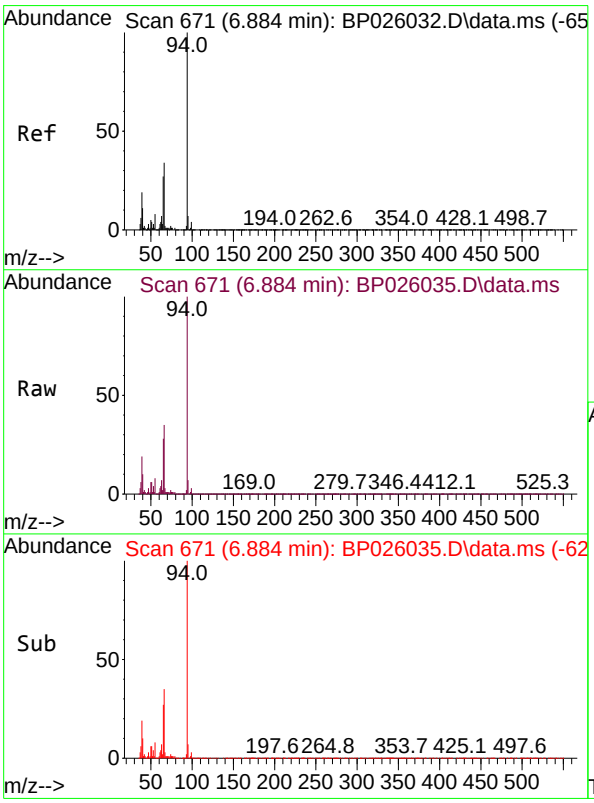
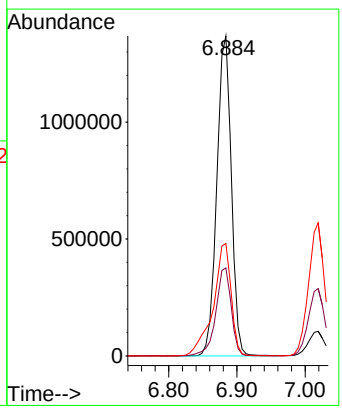


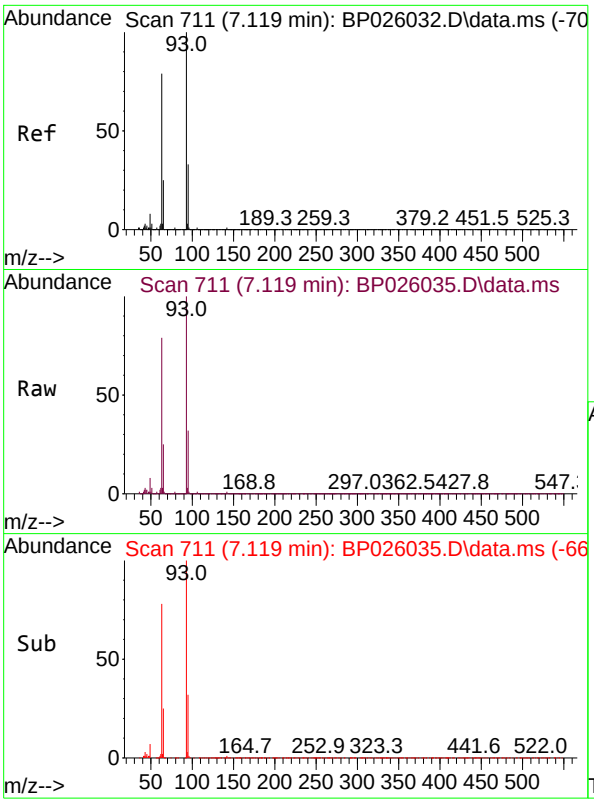


#10
Phenol
Concen: 82.242 ng
RT: 6.884 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 94 Resp: 2009800

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.1	47.1
66	35.1	14.4	54.4





#11
bis(2-Chloroethyl)ether
Concen: 80.659 ng
RT: 7.119 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 93 Resp: 155556

Ion	Ratio	Lower	Upper
93	100		
63	78.7	59.1	99.1
95	32.3	12.6	52.6

Instrument :
BNA_P
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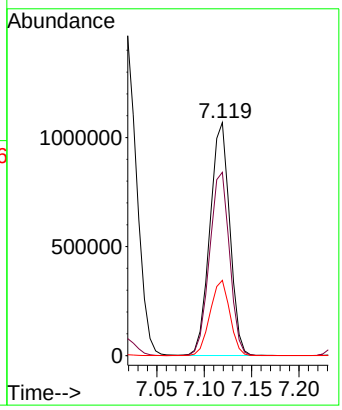
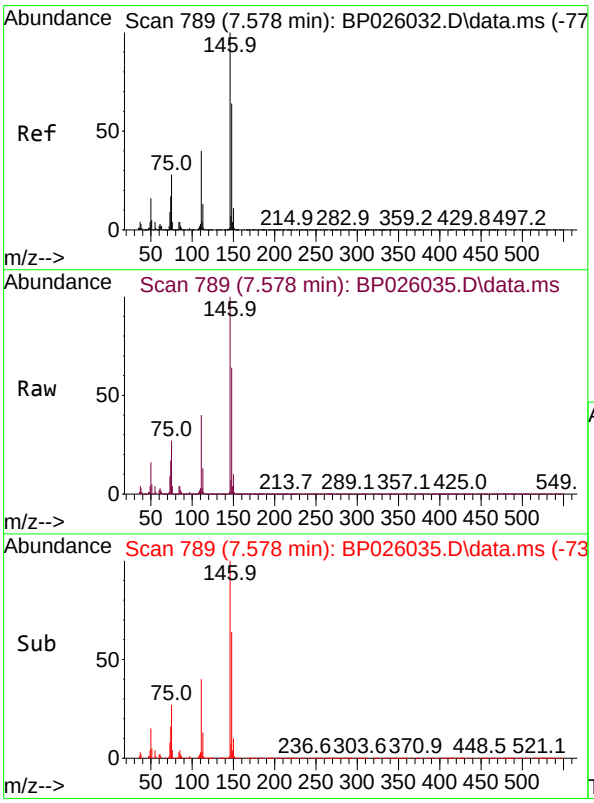
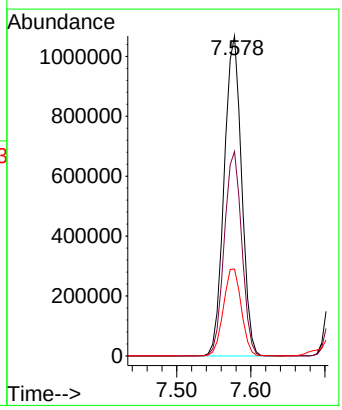


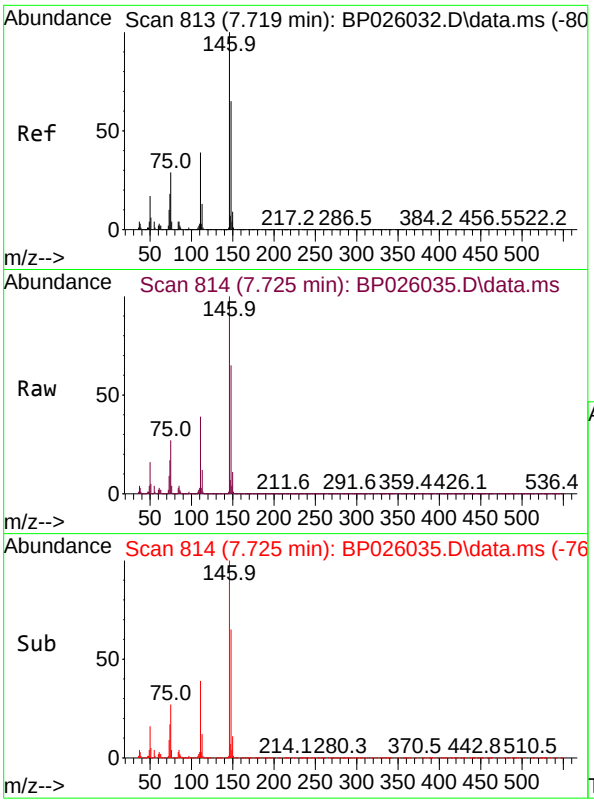


#12
1,3-Dichlorobenzene
Concen: 79.076 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:146 Resp: 1739151

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
75	27.1	22.6	33.8





#13
1,4-Dichlorobenzene
Concen: 79.178 ng
RT: 7.725 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:146 Resp: 1760668

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.2	78.2
111	39.0	31.3	46.9

Instrument :
BNA_P
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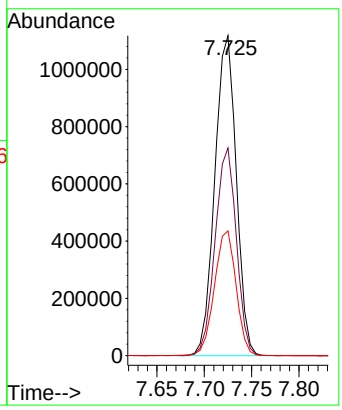
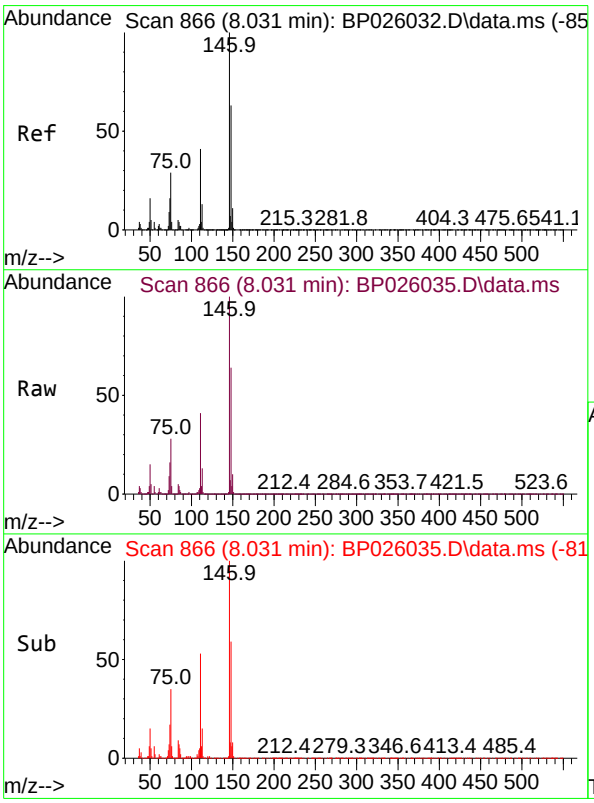
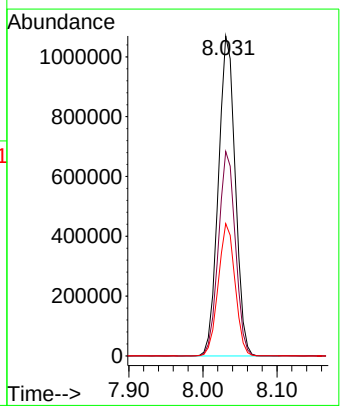


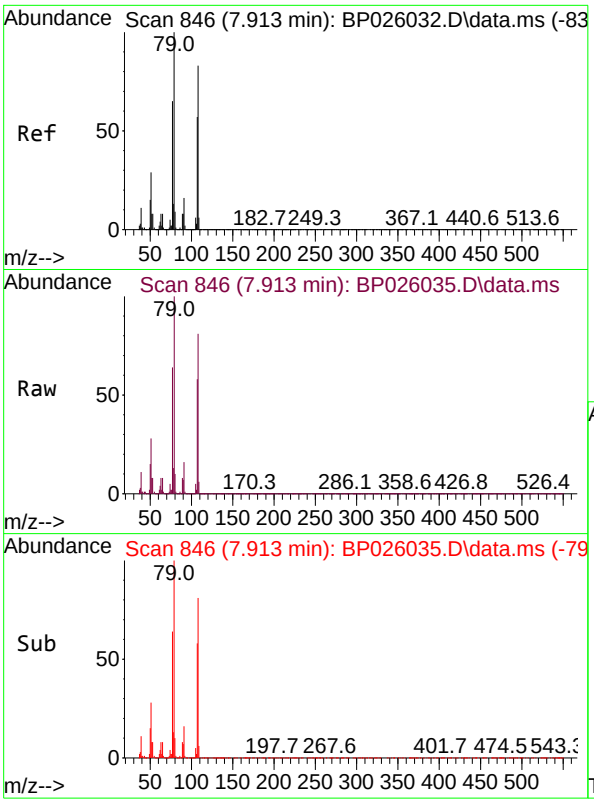


#14
1,2-Dichlorobenzene
Concen: 79.697 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:146 Resp: 1691085

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.8	76.2
111	41.4	33.0	49.4





#15
Benzyl Alcohol
Concen: 83.801 ng
RT: 7.913 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 79 Resp: 132983

Ion	Ratio	Lower	Upper
79	100		
108	81.3	66.0	99.0
77	64.2	52.3	78.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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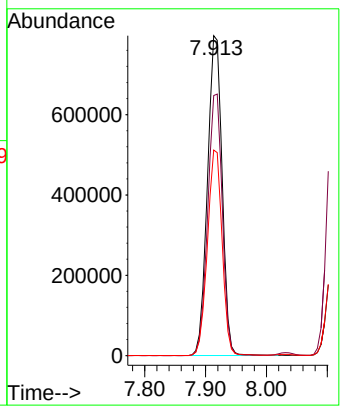
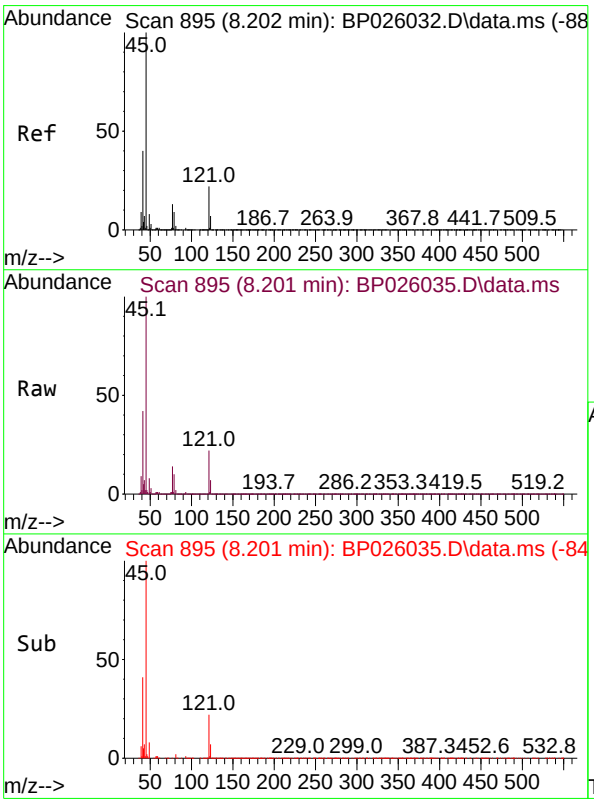
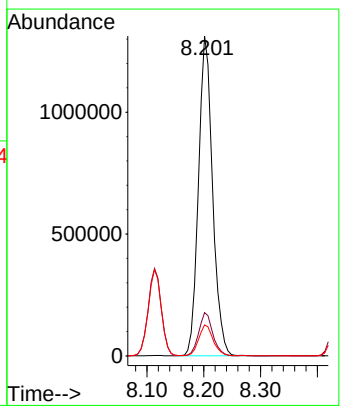


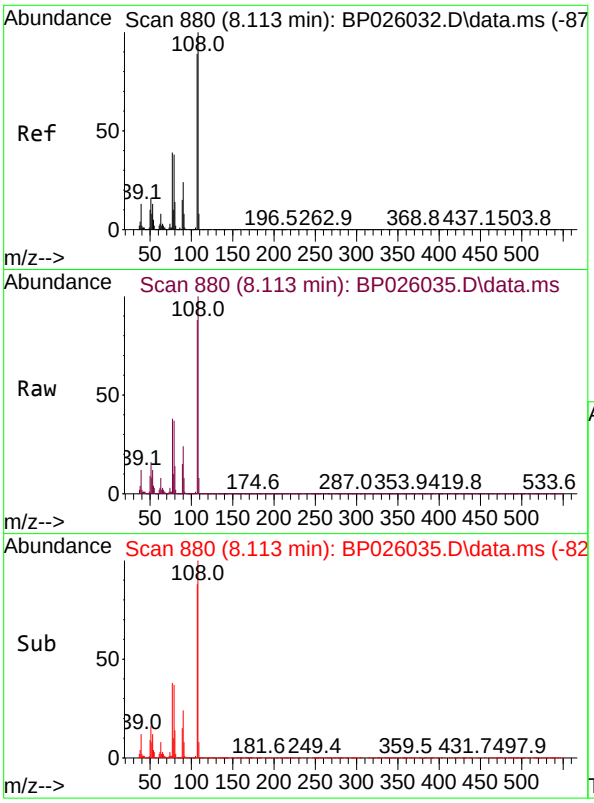


#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.614 ng
RT: 8.201 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 45 Resp: 2262252

Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	33.2
79	9.7	0.0	29.5





#17
2-Methylphenol
Concen: 83.922 ng
RT: 8.113 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:107 Resp: 134293

Ion	Ratio	Lower	Upper
107	100		
108	113.6	89.8	134.8
77	42.9	34.8	52.2
79	42.5	33.8	50.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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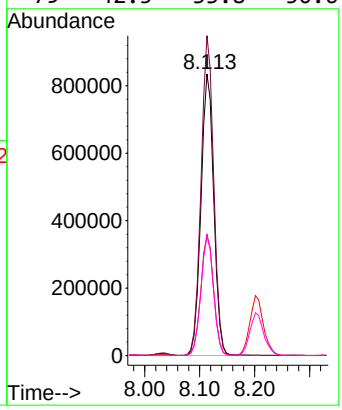
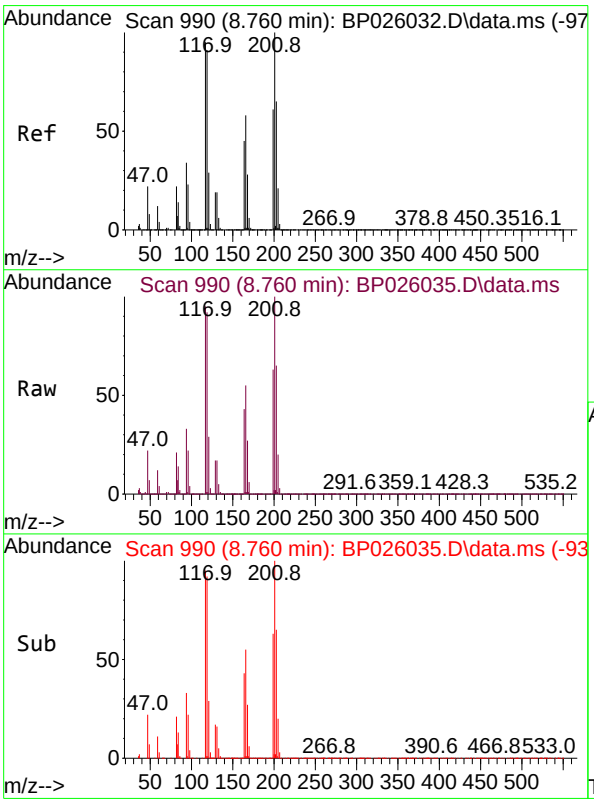
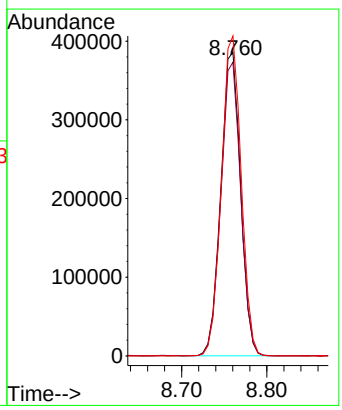


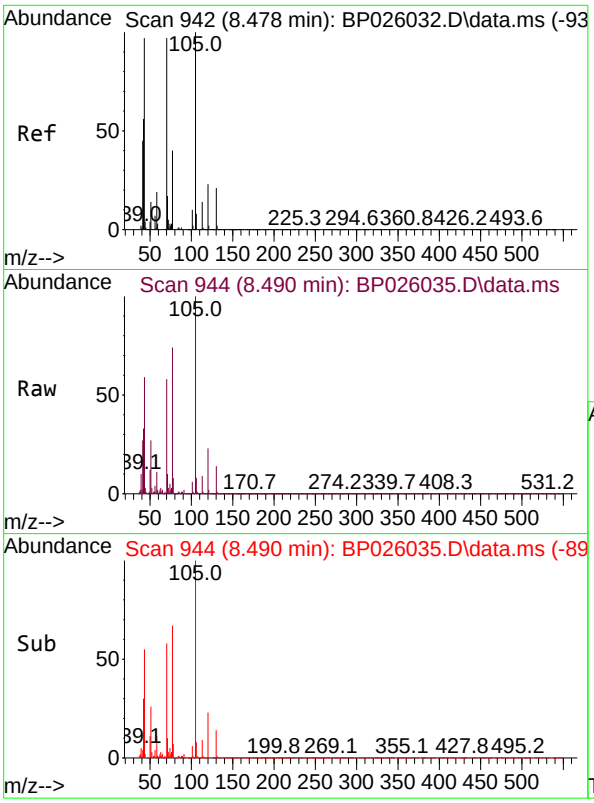


#18
Hexachloroethane
Concen: 81.910 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:117 Resp: 623268

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.5	114.7
201	105.4	84.2	126.4

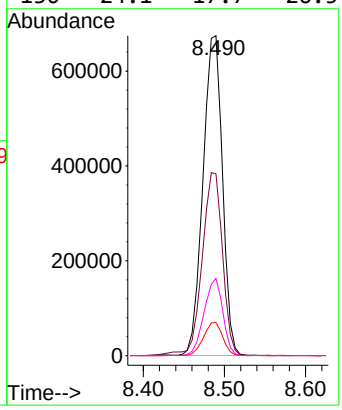




#19
n-Nitroso-di-n-propylamine
Concen: 82.397 ng
RT: 8.490 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 70 Resp: 112588

Ion	Ratio	Lower	Upper
70	100		
42	56.8	47.2	70.8
101	10.3	8.2	12.2
130	24.1	17.7	26.5



Instrument :
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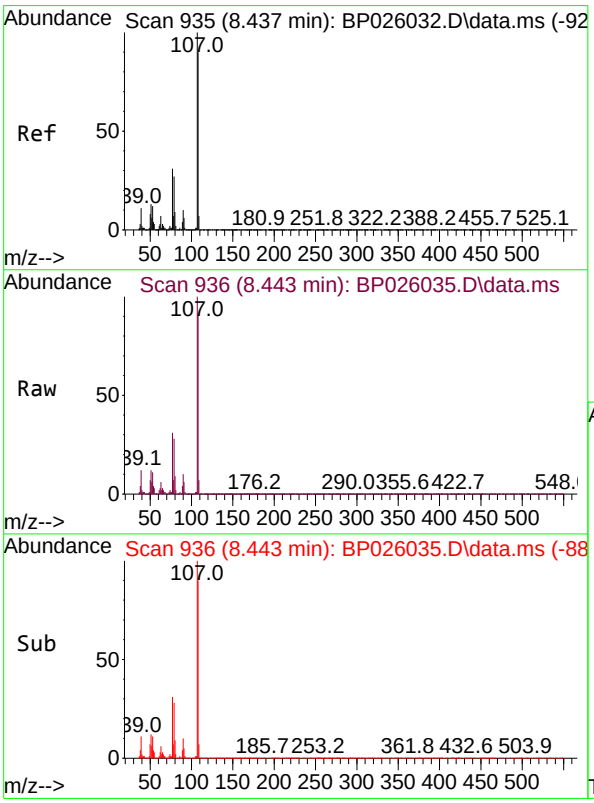
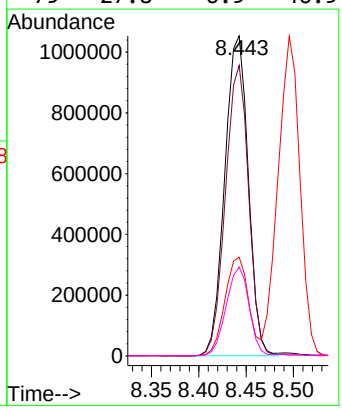
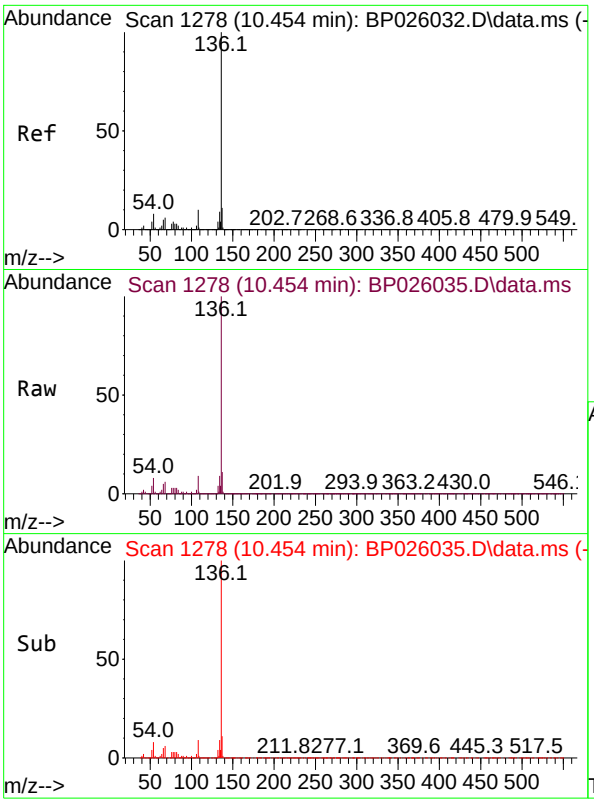


#20
3+4-Methylphenols
Concen: 81.769 ng
RT: 8.443 min Scan# 936
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:107 Resp: 1820304

Ion	Ratio	Lower	Upper
107	100		
108	90.8	70.1	110.1
77	30.8	10.7	50.7
79	27.8	6.9	46.9

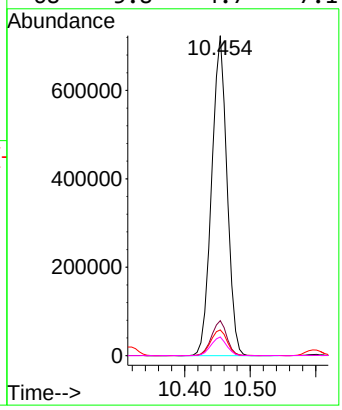




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:136 Resp: 1176810

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.0	6.6	10.0
68	5.8	4.7	7.1



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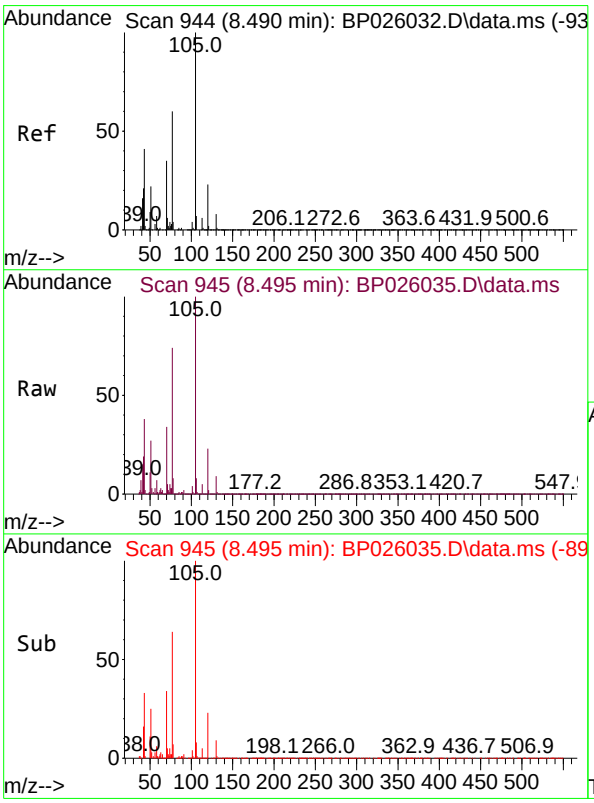
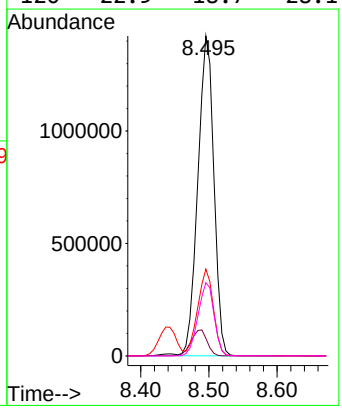
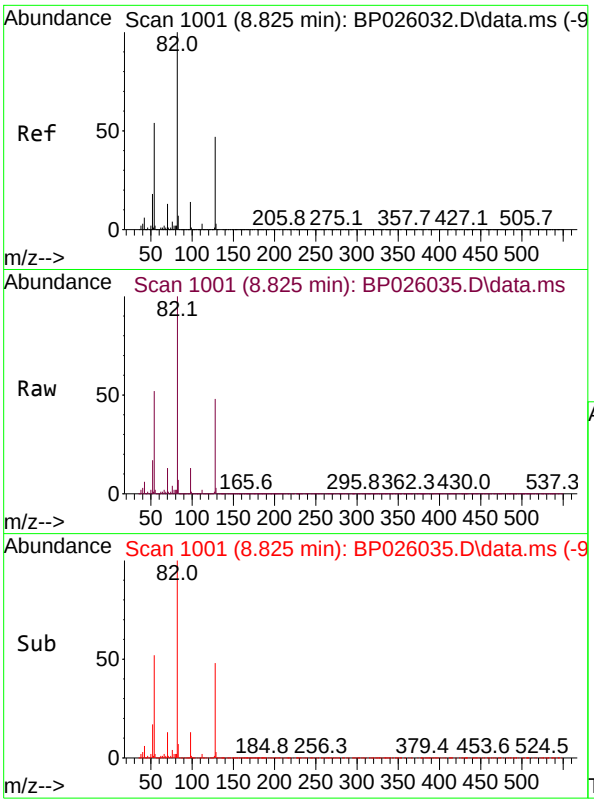


#22
Acetophenone
Concen: 78.173 ng
RT: 8.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:105 Resp: 2326587

Ion	Ratio	Lower	Upper
105	100		
71	5.5	4.7	7.1
51	27.1	21.8	32.8
120	22.9	18.7	28.1





#23
Nitrobenzene-d5
Concen: 170.878 ng
RT: 8.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 82 Resp: 3225718

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.4	56.0
54	52.2	42.7	64.1

Instrument :
BNA_P
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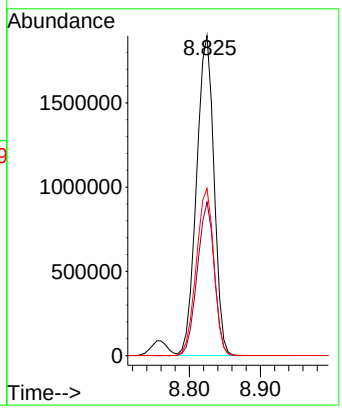
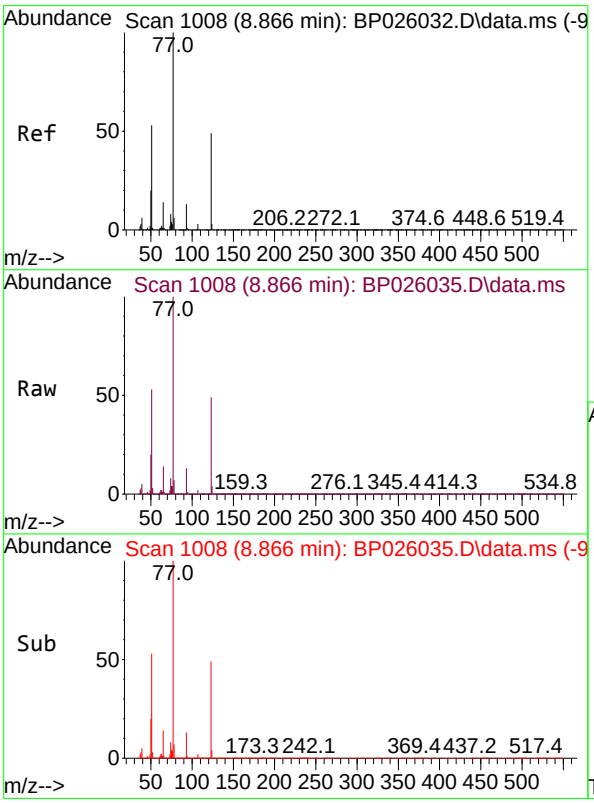
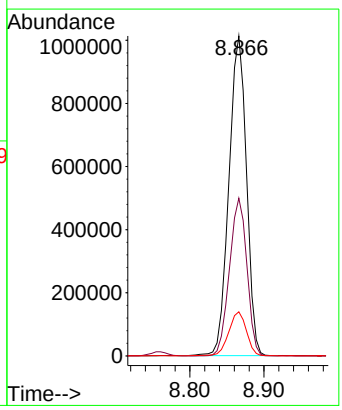


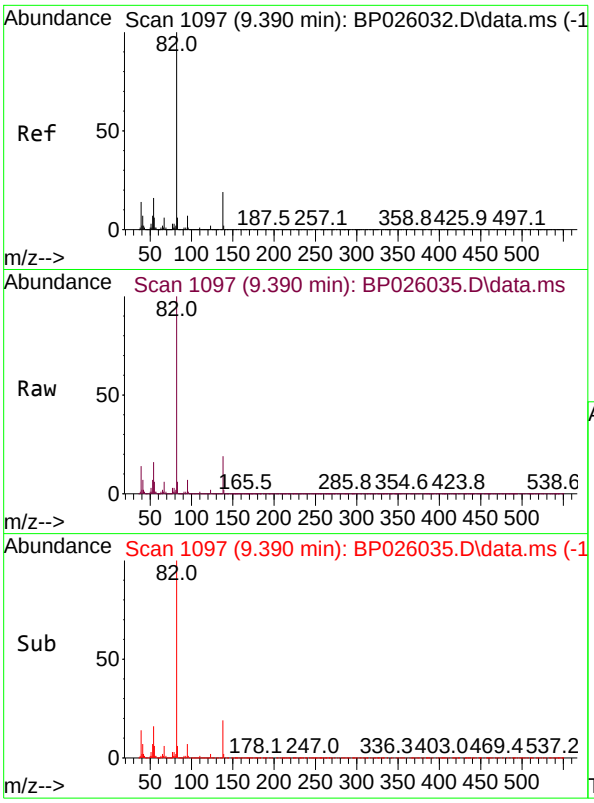


#24
Nitrobenzene
Concen: 83.585 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 77 Resp: 1665956

Ion	Ratio	Lower	Upper
77	100		
123	49.3	39.0	58.4
65	13.8	10.9	16.3





#25
Isophorone
Concen: 80.688 ng
RT: 9.390 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 82 Resp: 326023

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.6
138	18.7	15.0	22.6

Instrument :
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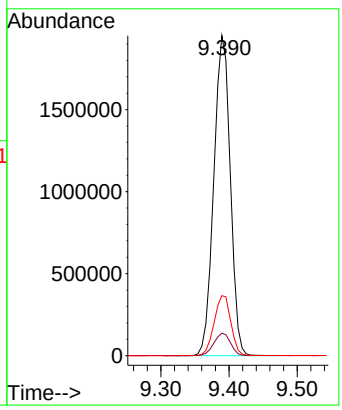
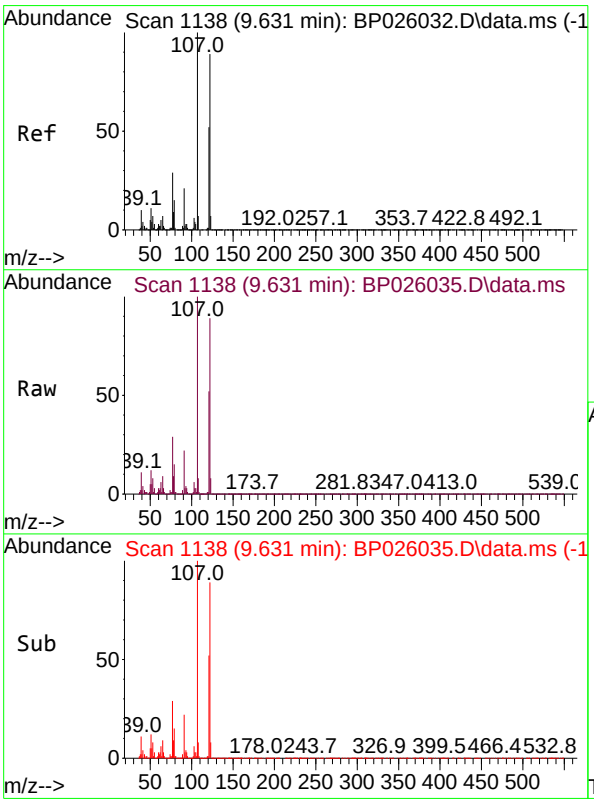
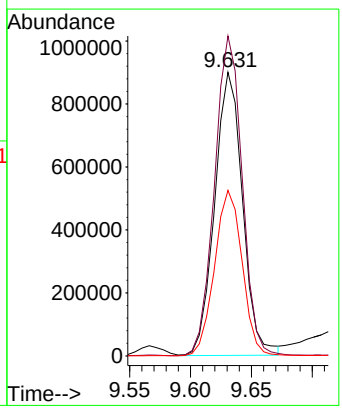


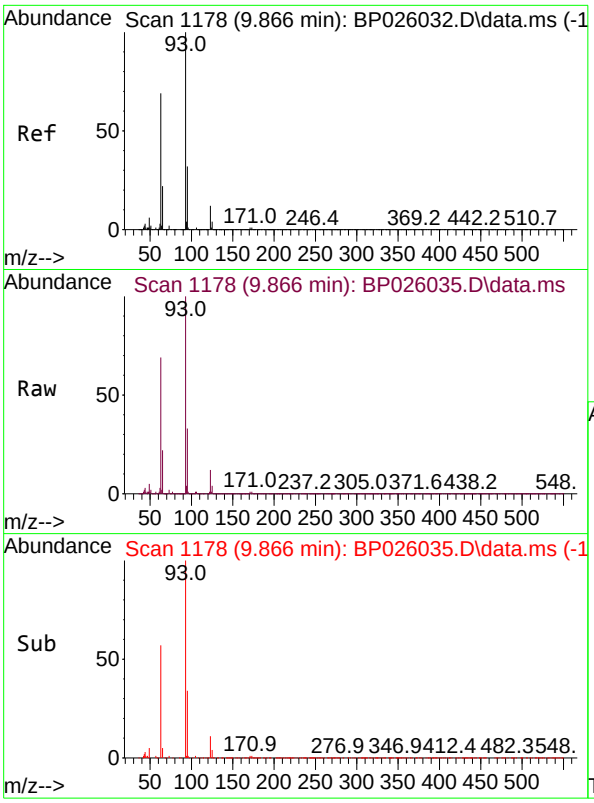


#27
2,4-Dimethylphenol
Concen: 84.436 ng
RT: 9.631 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:122 Resp: 1434677

Ion	Ratio	Lower	Upper
122	100		
107	112.8	89.2	133.8
121	58.4	46.3	69.5





#28
bis(2-Chloroethoxy)methane
Concen: 78.950 ng
RT: 9.866 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 93 Resp: 2010418

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.6
123	11.7	9.3	13.9

Instrument :
BNA_P
ClientSampleId :
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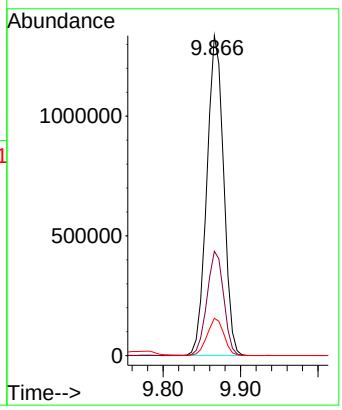
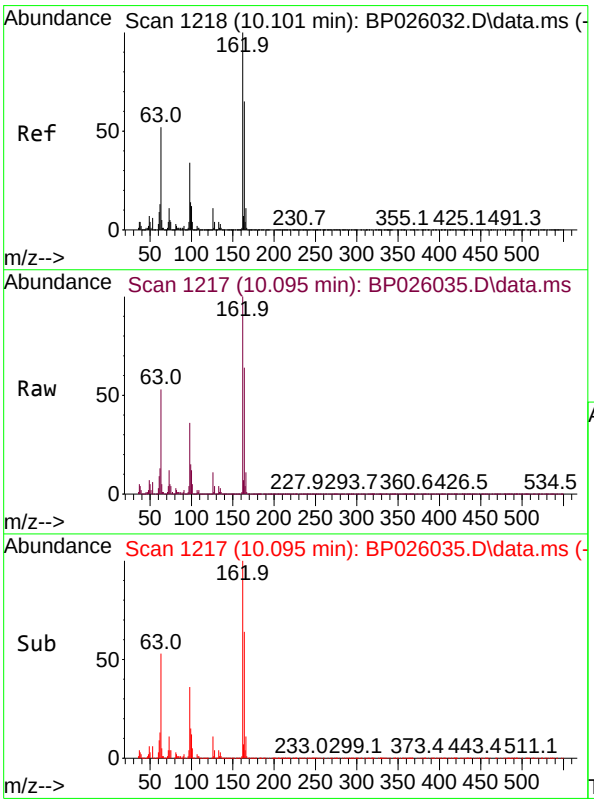
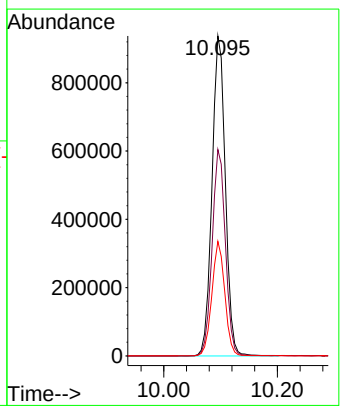


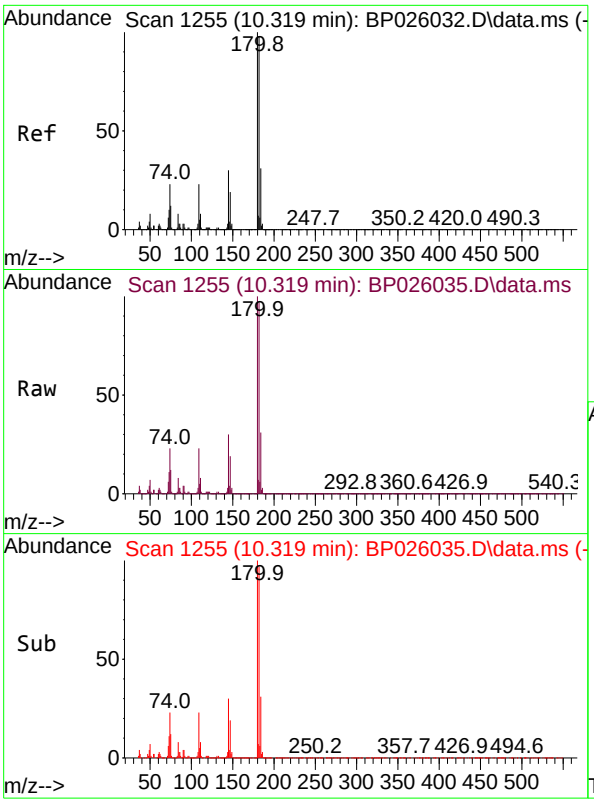


#29
2,4-Dichlorophenol
Concen: 84.998 ng
RT: 10.095 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:162 Resp: 1524906

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.6	84.6
98	35.8	14.0	54.0





#30
1,2,4-Trichlorobenzene
Concen: 79.255 ng
RT: 10.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:180 Resp: 1545459

Ion	Ratio	Lower	Upper
180	100		
182	97.4	78.6	117.8
145	29.8	24.2	36.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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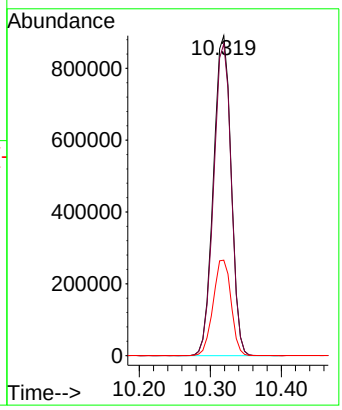
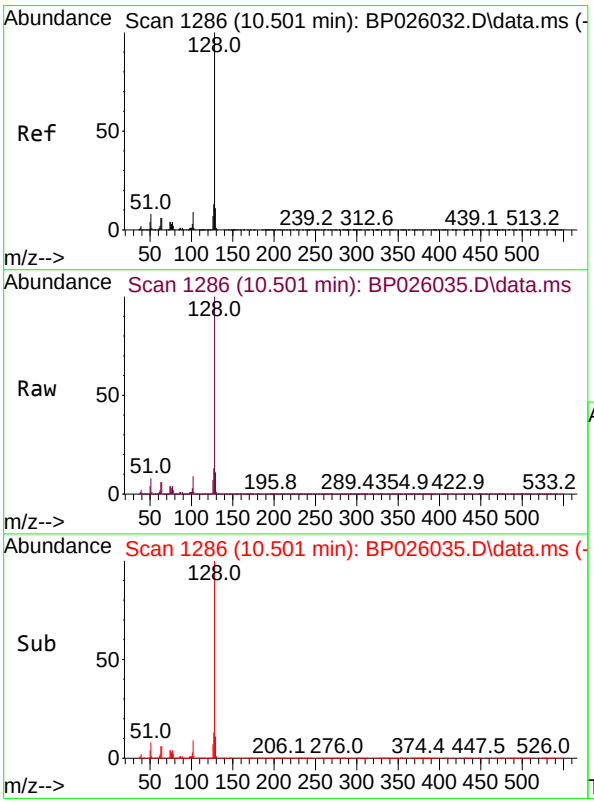
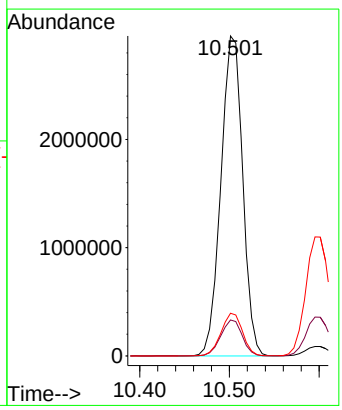


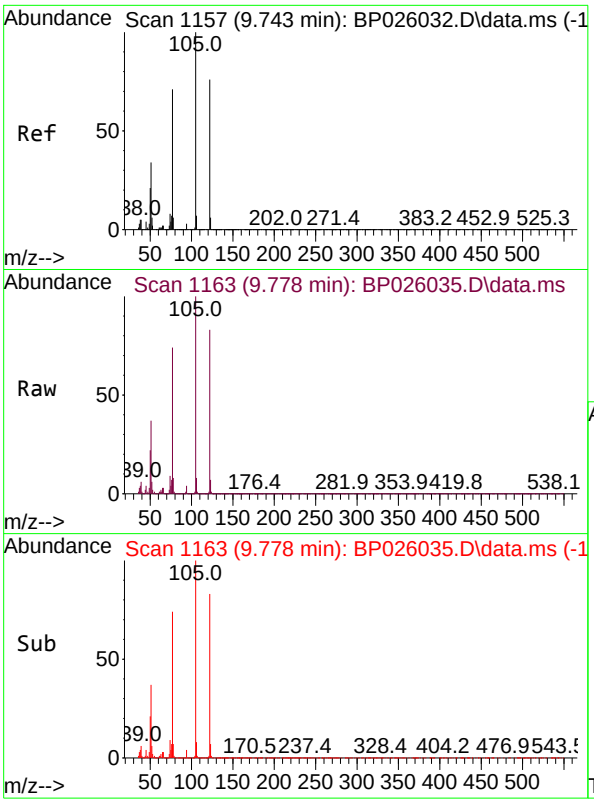


#31
Naphthalene
Concen: 77.974 ng
RT: 10.501 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:128 Resp: 5003853

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.3	10.5	15.7





#32
Benzoic acid
Concen: 79.140 ng
RT: 9.778 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:122 Resp: 100033

Ion	Ratio	Lower	Upper
122	100		
105	119.9	104.8	144.8
77	89.0	70.9	110.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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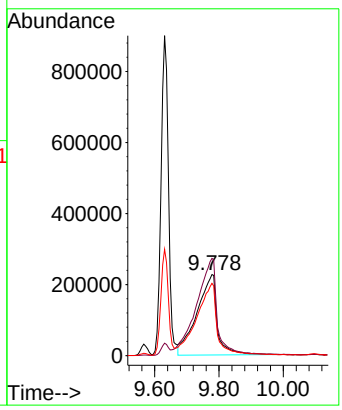
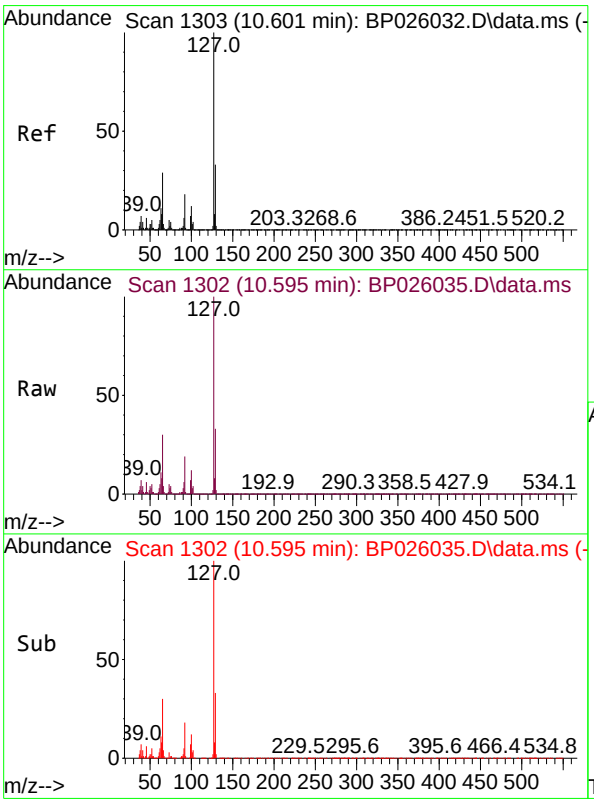
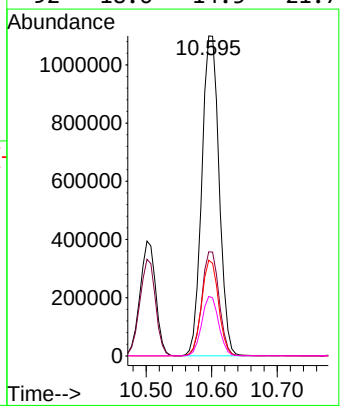


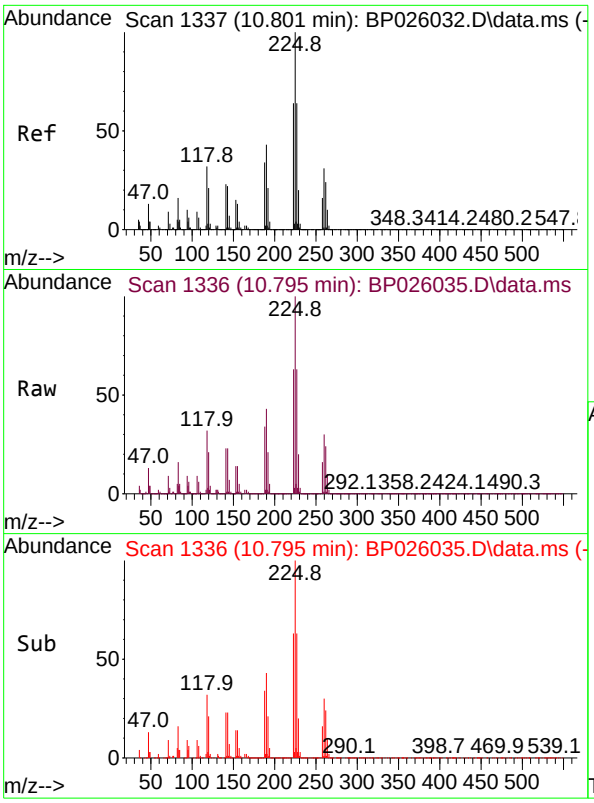


#33
4-Chloroaniline
Concen: 81.448 ng
RT: 10.595 min Scan# 1302
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:127 Resp: 2008519

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	29.9	23.2	34.8
92	18.6	14.5	21.7





#34
Hexachlorobutadiene
Concen: 78.780 ng
RT: 10.795 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:225 Resp: 97621

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.9	76.3
227	63.1	51.0	76.4

Instrument :
BNA_P
ClientSampleId :
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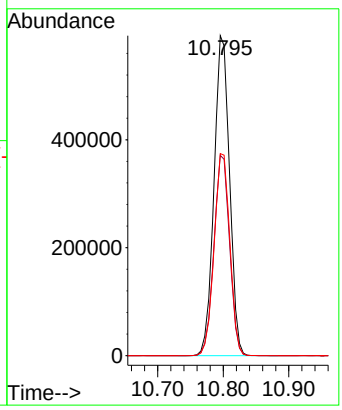
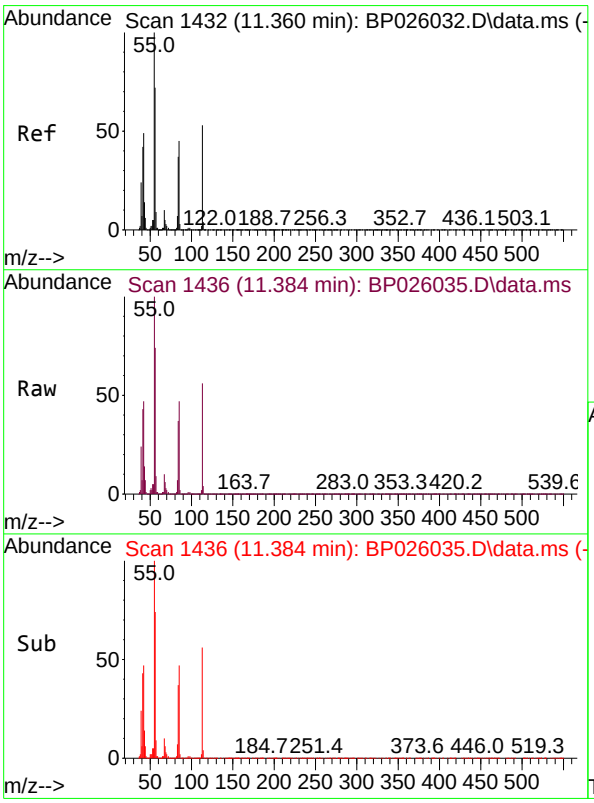
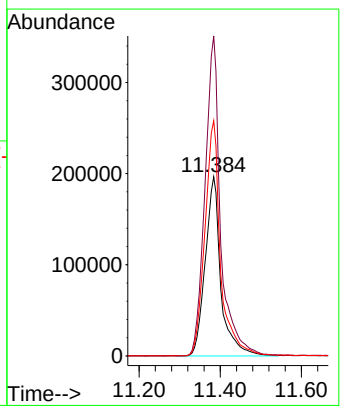


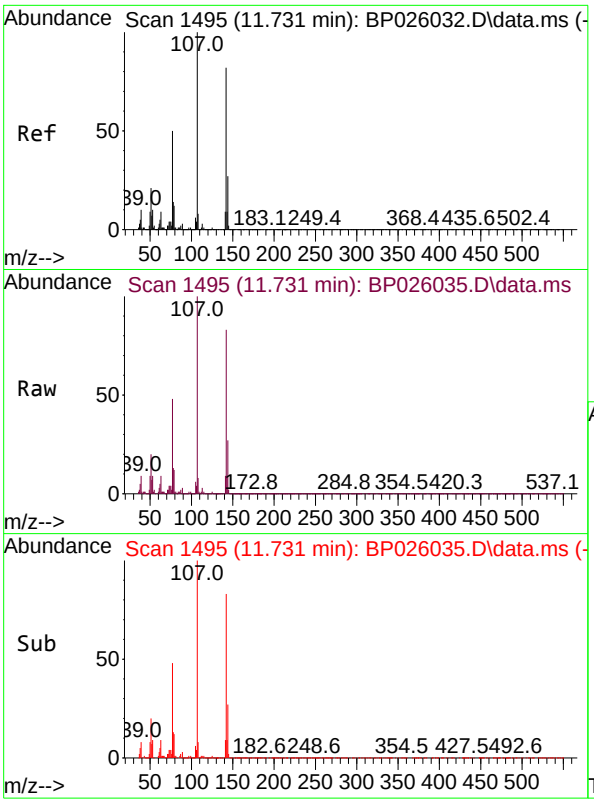


#35
Caprolactam
Concen: 83.619 ng
RT: 11.384 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:113 Resp: 526808

Ion	Ratio	Lower	Upper
113	100		
55	178.6	169.9	209.9
56	131.3	116.7	156.7





#36
4-Chloro-3-methylphenol
Concen: 84.393 ng
RT: 11.731 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:107 Resp: 158717

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.3	31.9
142	82.7	65.2	97.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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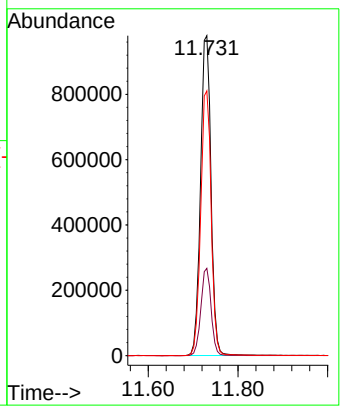
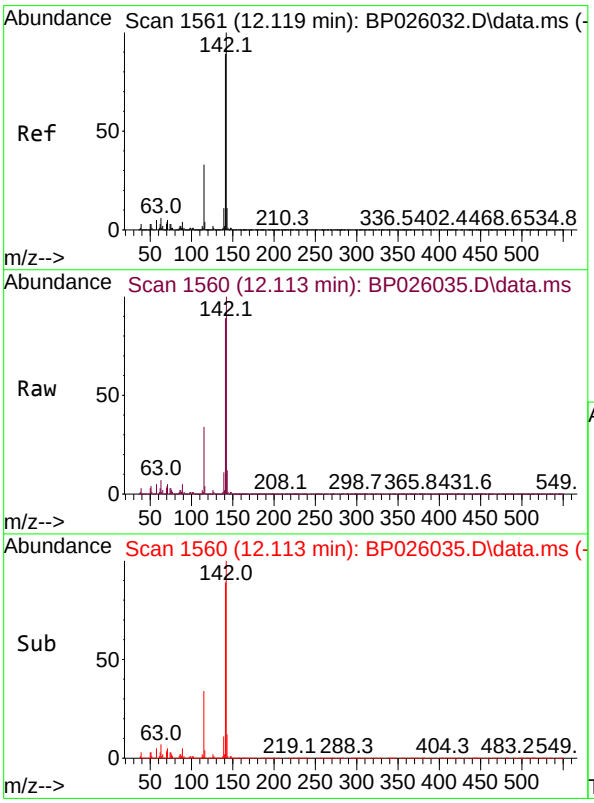
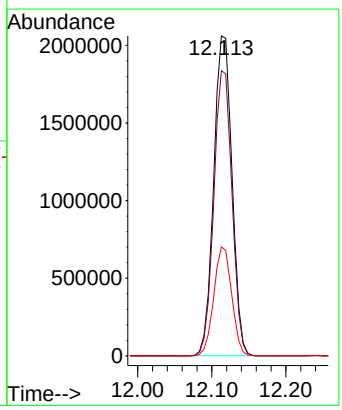


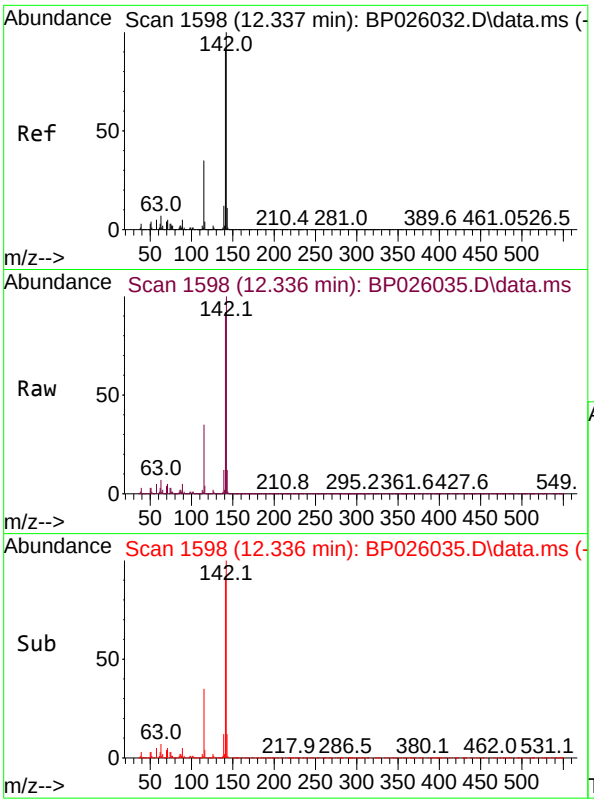


#37
2-Methylnaphthalene
Concen: 78.637 ng
RT: 12.113 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:142 Resp: 3532026

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.6	107.4
115	34.0	26.6	39.8





#38
1-Methylnaphthalene
Concen: 78.306 ng
RT: 12.336 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:142 Resp: 341692

Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.7	109.1
116	3.7	2.9	4.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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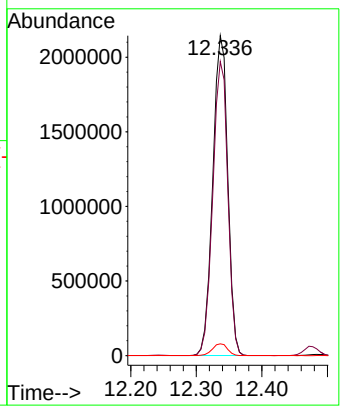
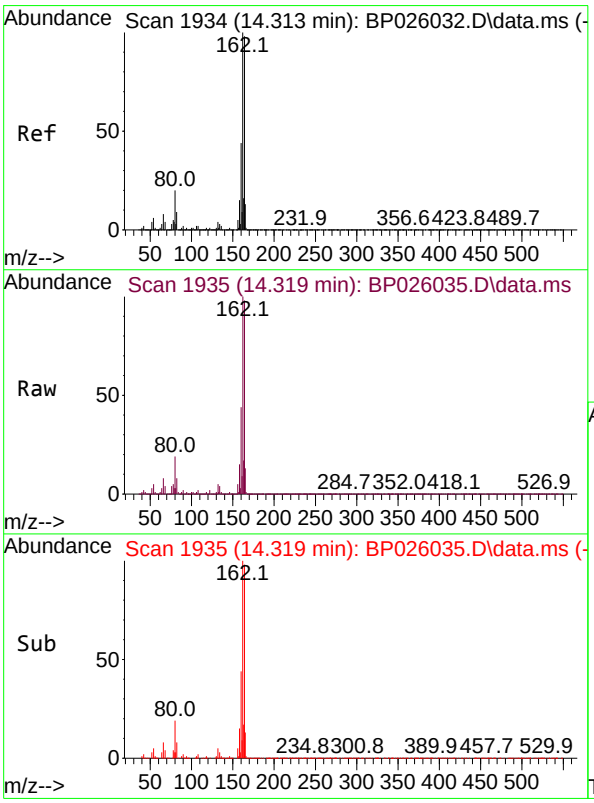
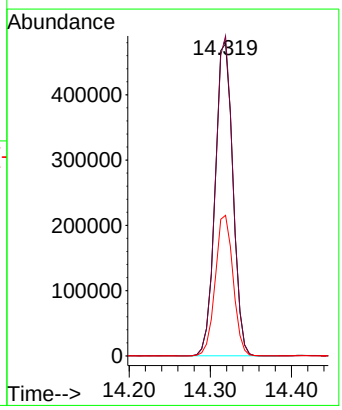


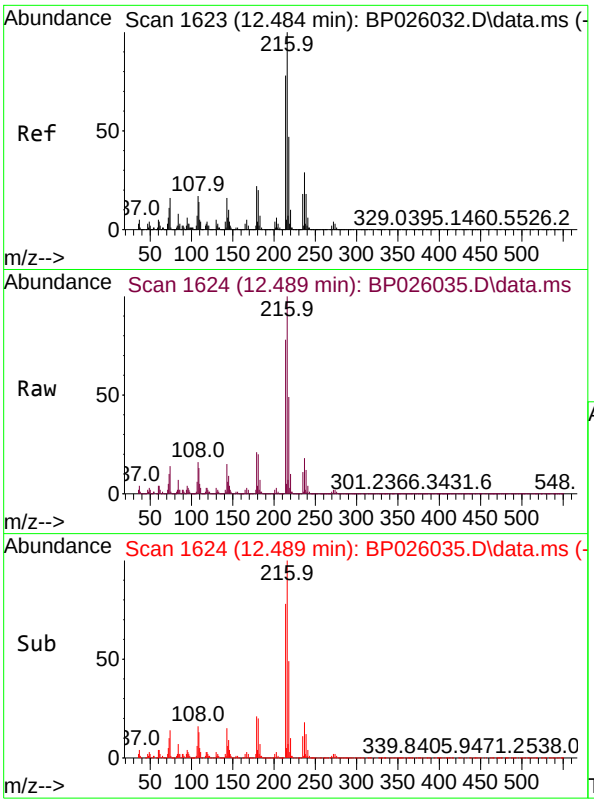


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:164 Resp: 727864

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.5	122.3
160	45.0	36.2	54.4





#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.720 ng
RT: 12.489 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:216 Resp: 180292

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.9	94.3
179	20.8	16.9	25.3
108	17.3	14.1	21.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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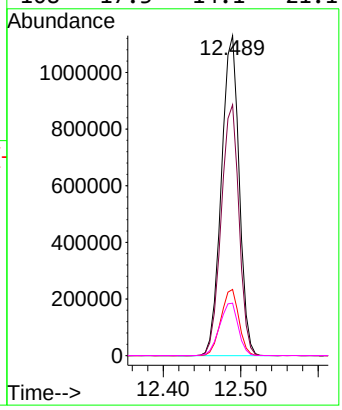
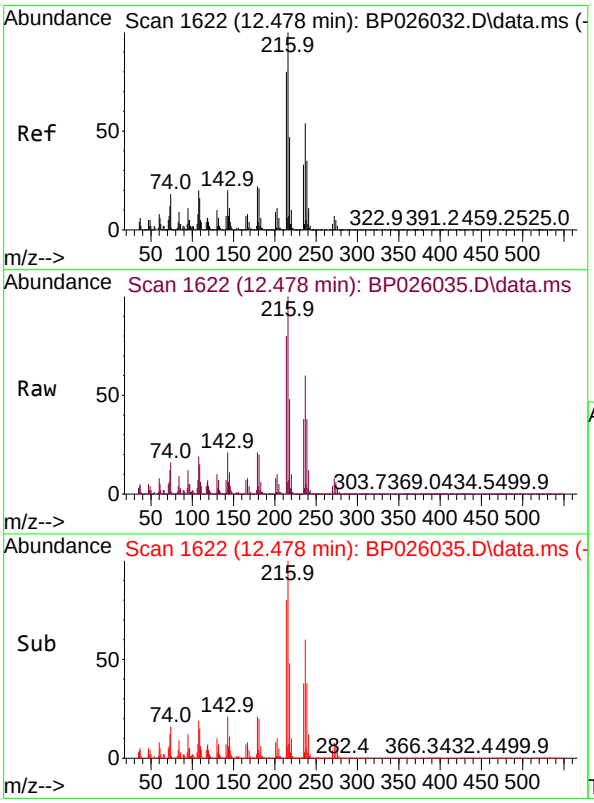
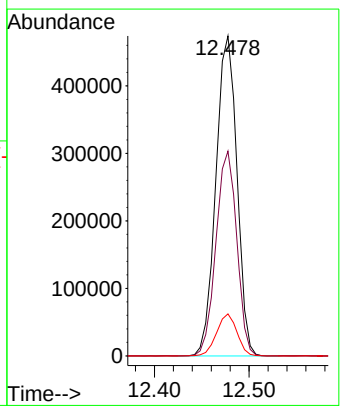


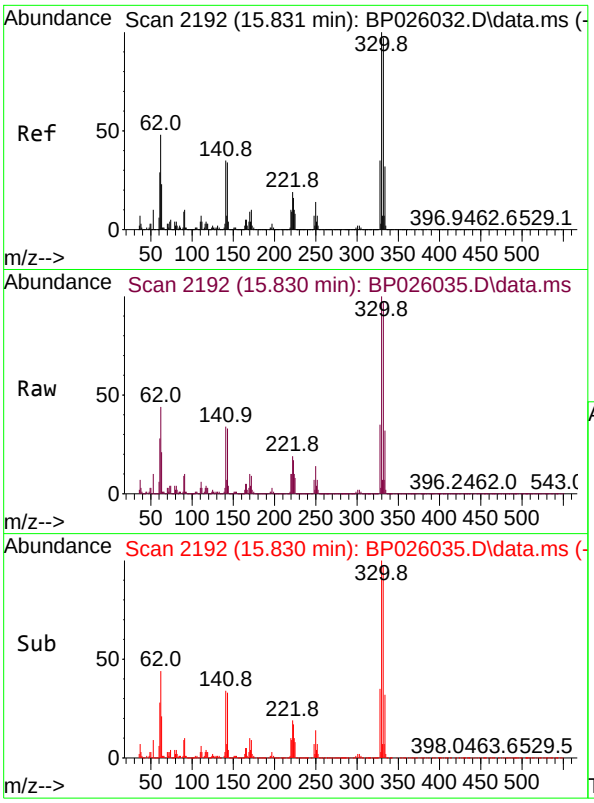


#41
Hexachlorocyclopentadiene
Concen: 88.474 ng
RT: 12.478 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:237 Resp: 732085

Ion	Ratio	Lower	Upper
237	100		
235	64.0	40.4	80.4
272	13.1	0.0	32.2





#42
2,4,6-Tribromophenol
Concen: 172.904 ng
RT: 15.830 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:330 Resp: 136057

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	34.7	28.6	42.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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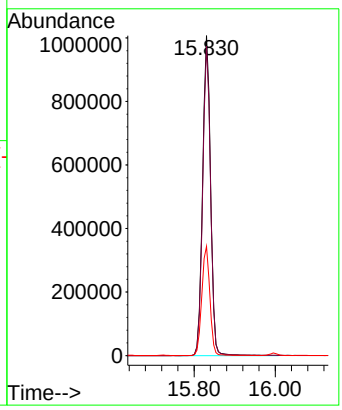
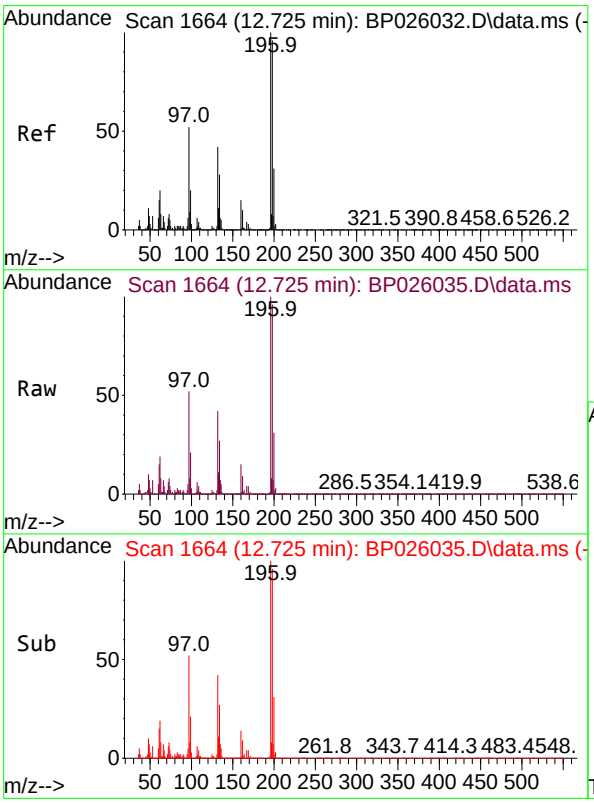
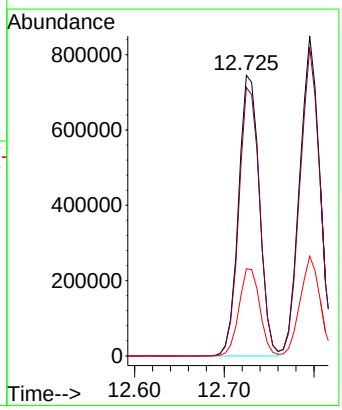


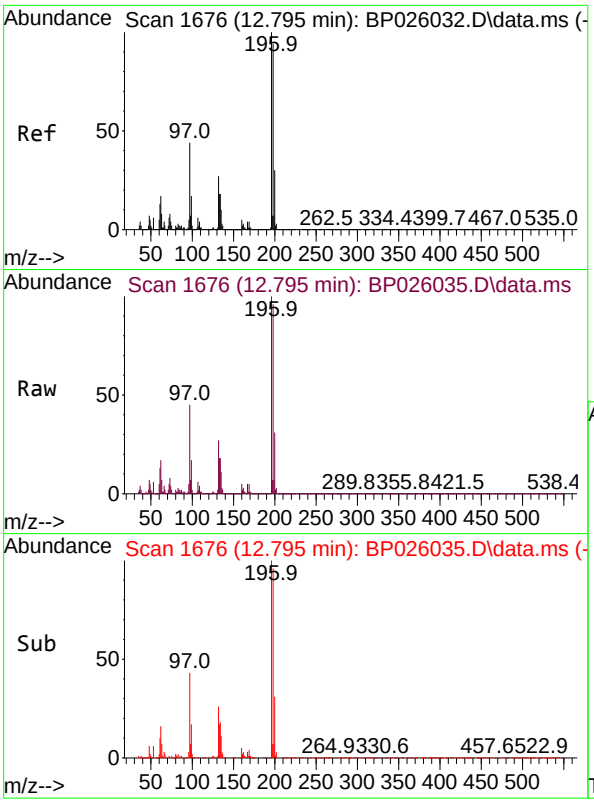


#43
2,4,6-Trichlorophenol
Concen: 89.908 ng
RT: 12.725 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:196 Resp: 1201855

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.5	114.7
200	31.1	24.4	36.6

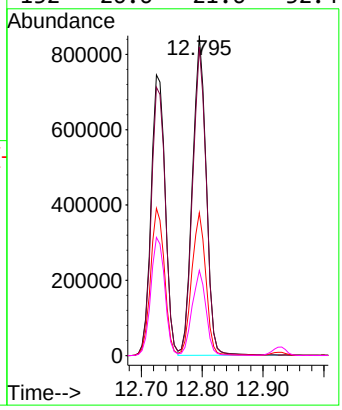




#44
2,4,5-Trichlorophenol
Concen: 87.017 ng
RT: 12.795 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:196 Resp: 132729

Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.1	112.7
97	44.6	35.5	53.3
132	26.6	21.6	32.4



Instrument :
BNA_P
ClientSampleId :
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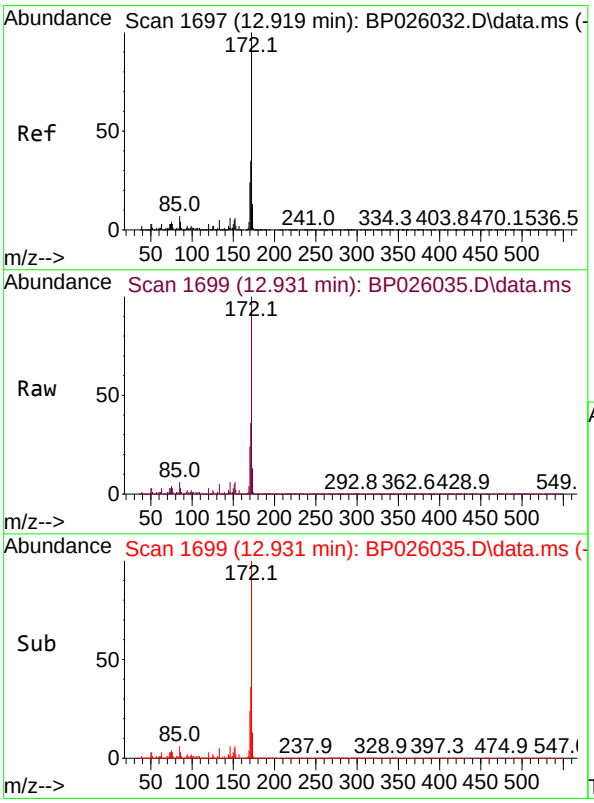
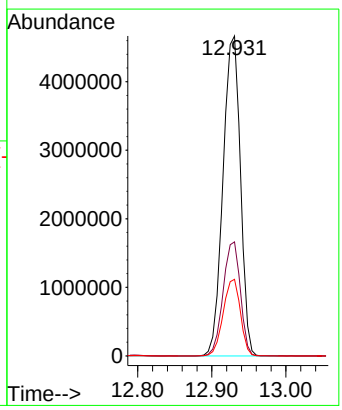
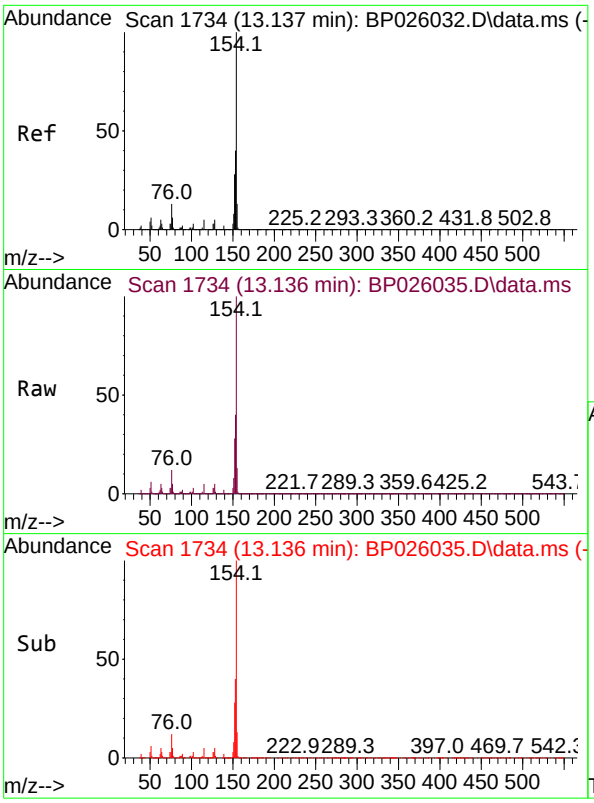


#45
2-Fluorobiphenyl
Concen: 150.244 ng
RT: 12.931 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:172 Resp: 7610514

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.9	41.9
170	23.9	19.0	28.4





#46
1,1'-Biphenyl
Concen: 77.997 ng
RT: 13.136 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:154 Resp: 434701

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.2	60.2
76	12.4	0.0	32.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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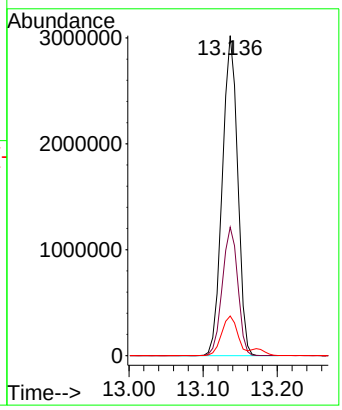
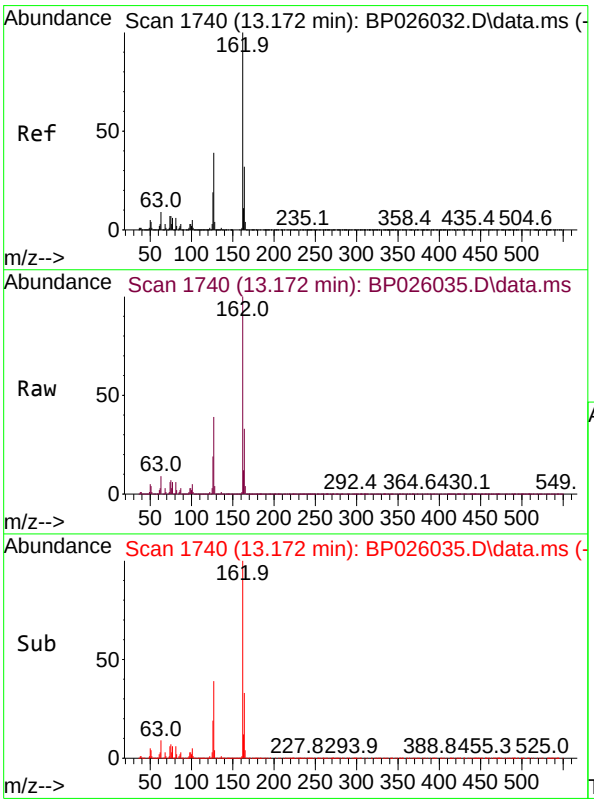
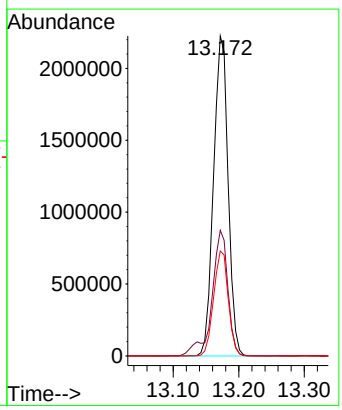


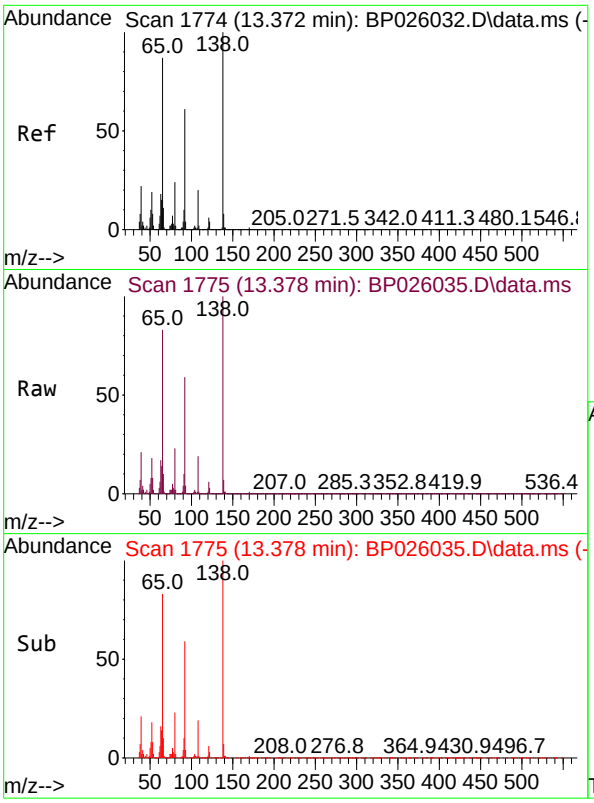


#47
2-Chloronaphthalene
Concen: 78.326 ng
RT: 13.172 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:162 Resp: 3434628

Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.4	47.2
164	32.8	25.9	38.9





#48
2-Nitroaniline
Concen: 84.358 ng
RT: 13.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 65 Resp: 95849

Ion	Ratio	Lower	Upper
65	100		
92	70.9	55.5	83.3
138	120.8	91.7	137.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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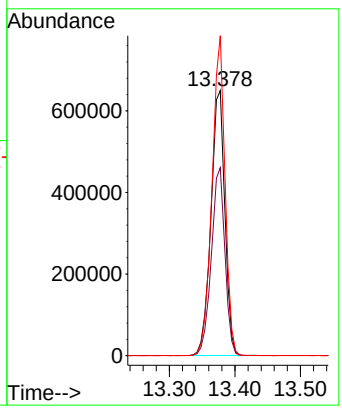
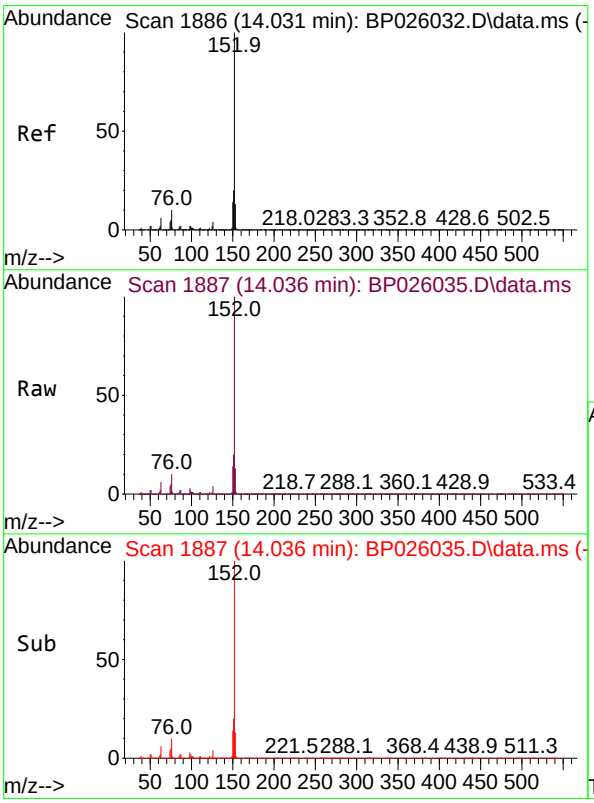
Supervised By :Jagrut Upadhyay 11/04/2025

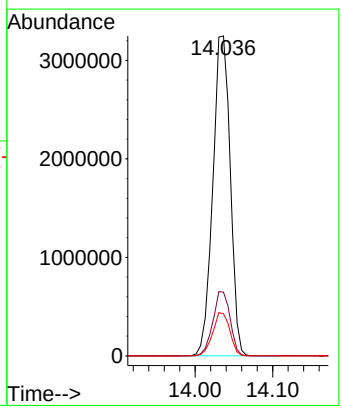


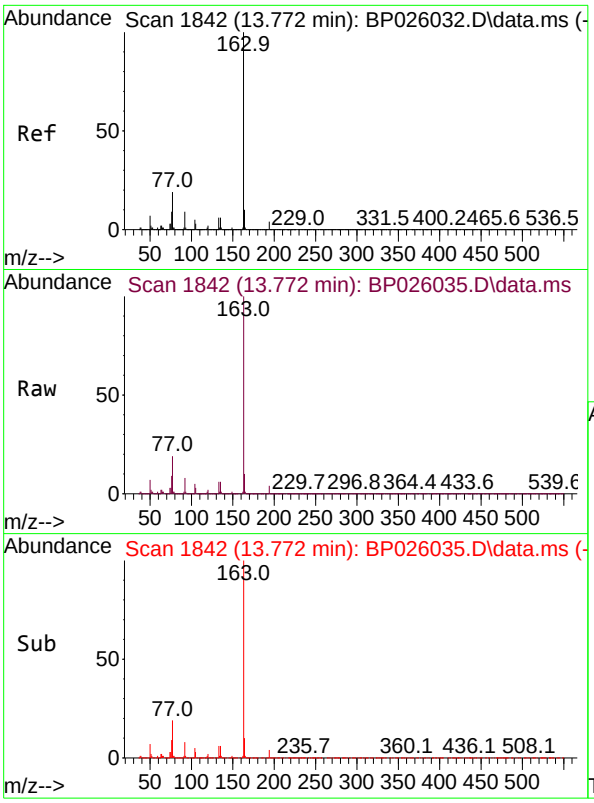


#49
Acenaphthylene
Concen: 79.376 ng
RT: 14.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:152 Resp: 5073069

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	16.0





#50
Dimethylphthalate
Concen: 79.090 ng
RT: 13.772 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:163 Resp: 4187309

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.2	8.2	12.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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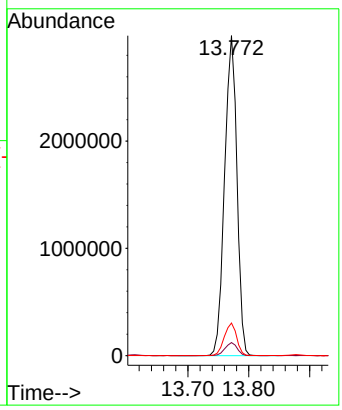
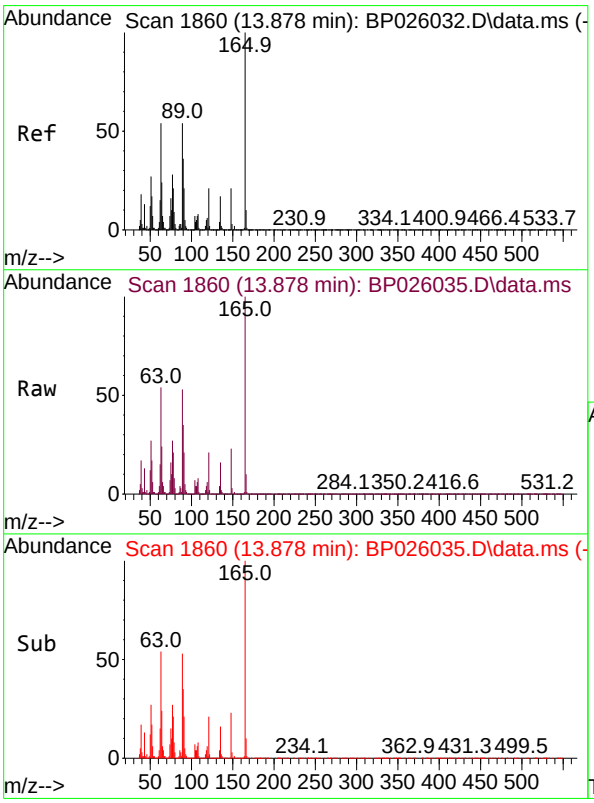
Supervised By :Jagrut Upadhyay 11/04/2025

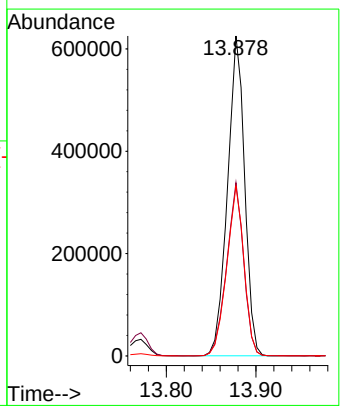


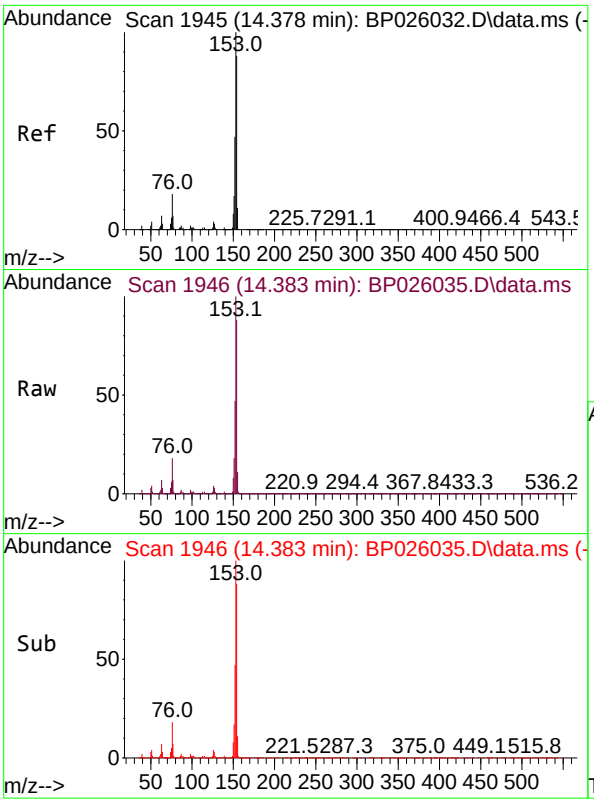


#51
2,6-Dinitrotoluene
Concen: 83.478 ng
RT: 13.878 min Scan# 1860
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:165 Resp: 834638

Ion	Ratio	Lower	Upper
165	100		
63	54.1	43.0	64.4
89	53.0	43.0	64.4





#52
Acenaphthene
Concen: 79.085 ng
RT: 14.383 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:154 Resp: 3469946

Ion	Ratio	Lower	Upper
154	100		
153	113.0	91.0	136.4
152	53.7	42.7	64.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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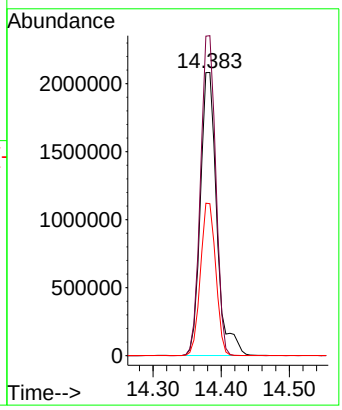
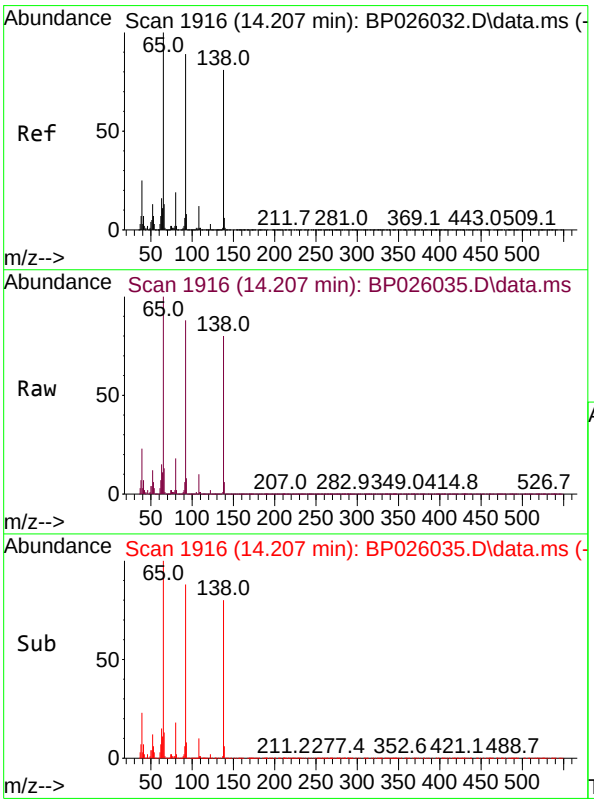
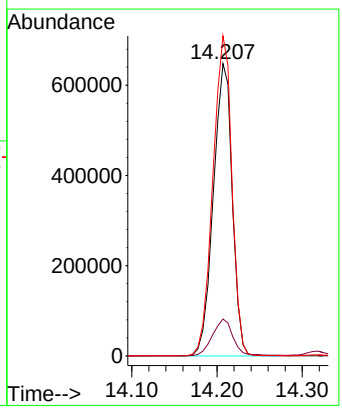


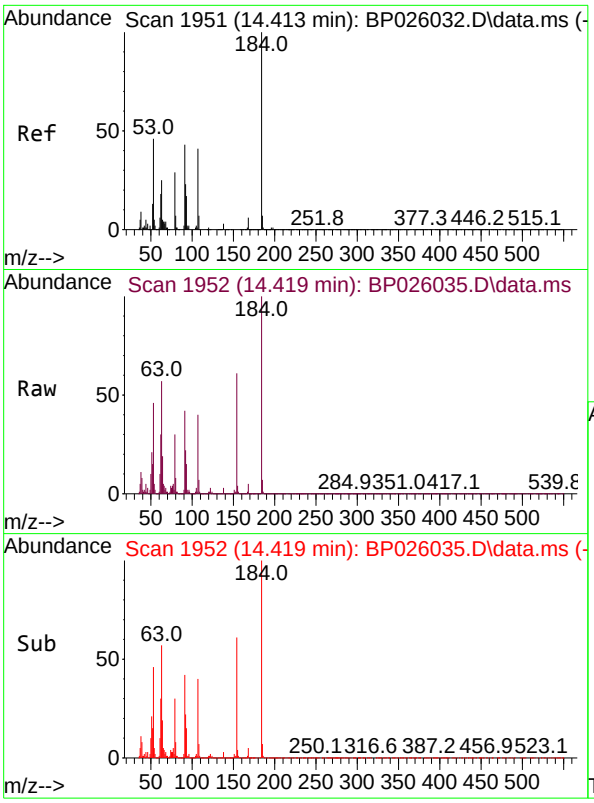


#53
3-Nitroaniline
Concen: 81.547 ng
RT: 14.207 min Scan# 1916
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:138 Resp: 995927

Ion	Ratio	Lower	Upper
138	100		
108	12.6	11.4	17.0
92	109.5	87.1	130.7





#54
2,4-Dinitrophenol
Concen: 79.098 ng
RT: 14.419 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:184 Resp: 36626

Ion	Ratio	Lower	Upper
184	100		
63	57.1	49.0	73.4
154	61.5	51.0	76.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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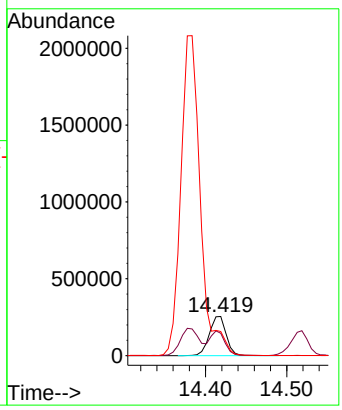
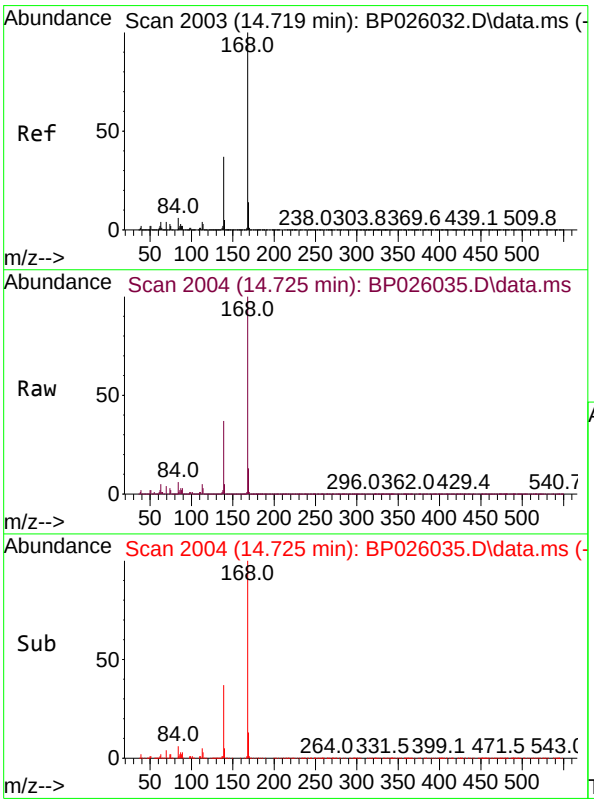
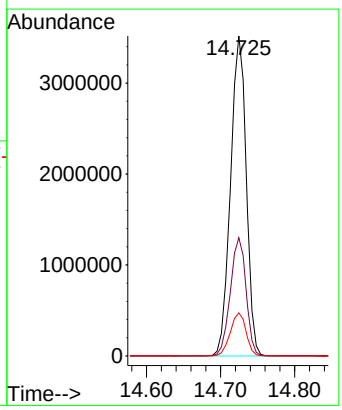


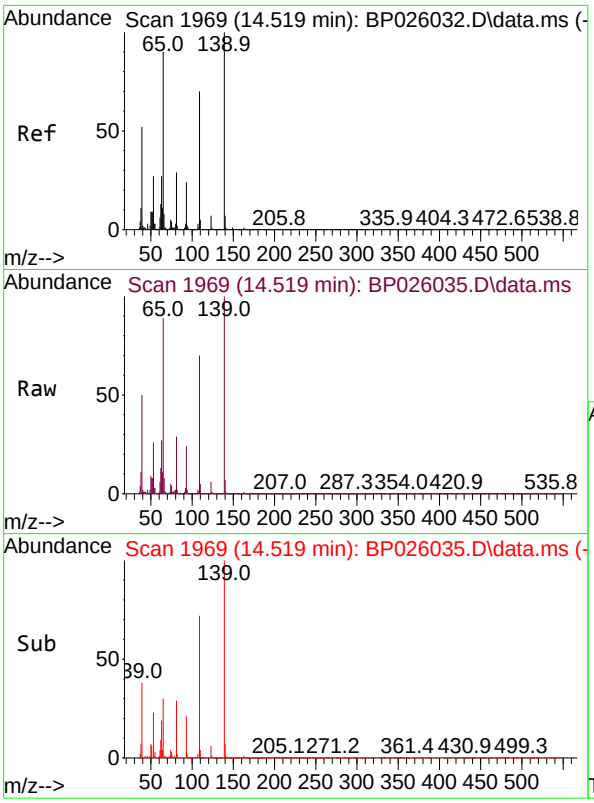


#55
Dibenzofuran
Concen: 78.003 ng
RT: 14.725 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:168 Resp: 5170871

Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.7	44.5
169	13.4	11.0	16.4





#56
4-Nitrophenol
Concen: 82.900 ng
RT: 14.519 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:139 Resp: 875195

Ion	Ratio	Lower	Upper
139	100		
109	70.3	50.0	90.0
65	89.2	69.6	109.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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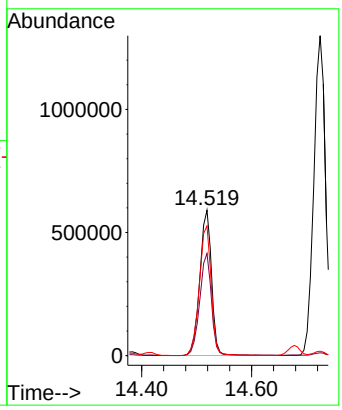
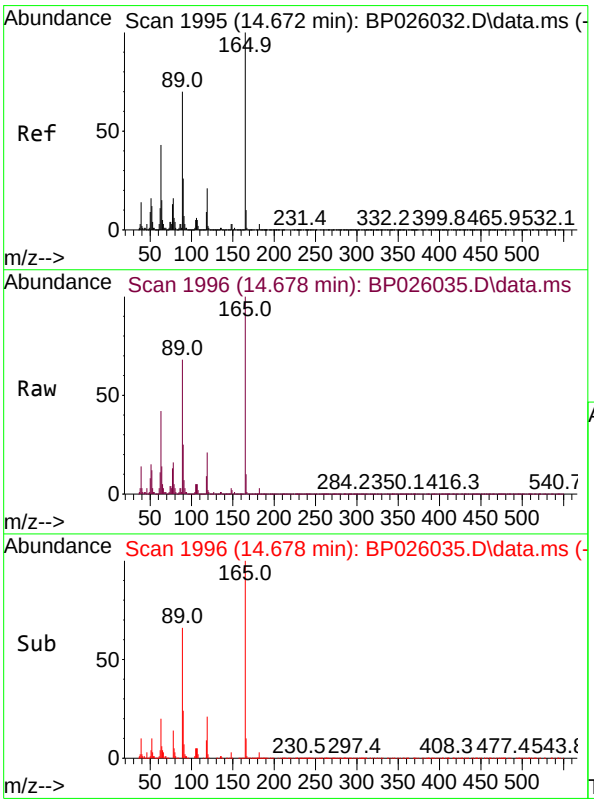
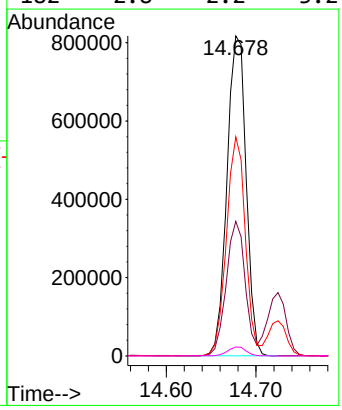


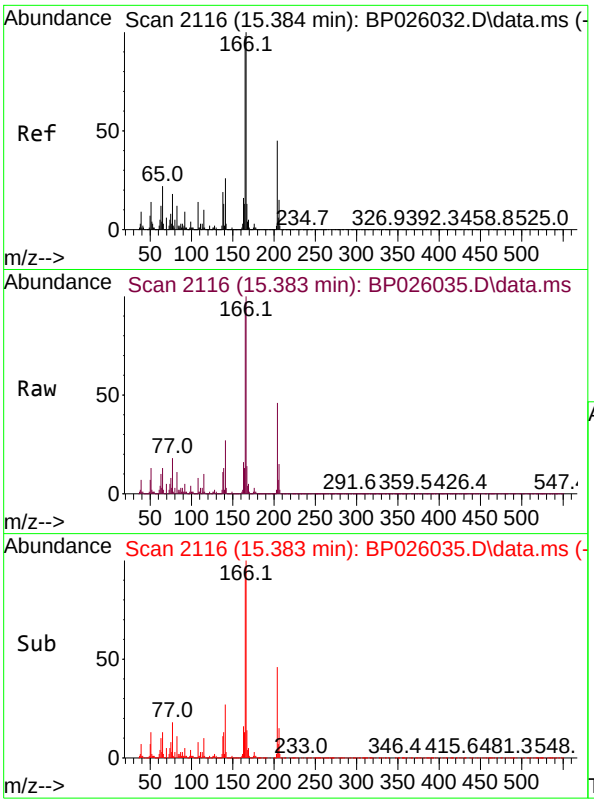


#57
2,4-Dinitrotoluene
Concen: 83.983 ng
RT: 14.678 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:165 Resp: 1218227

Ion	Ratio	Lower	Upper
165	100		
63	42.0	34.2	51.2
89	68.5	56.0	84.0
182	2.8	2.2	3.2





#58
Fluorene
Concen: 73.925 ng
RT: 15.383 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:166 Resp: 383930

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.6	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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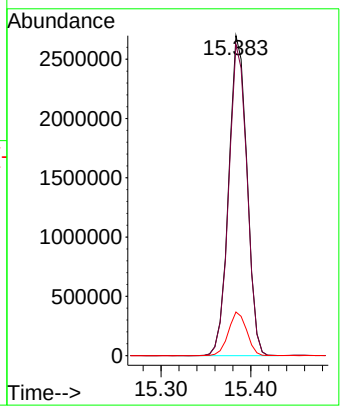
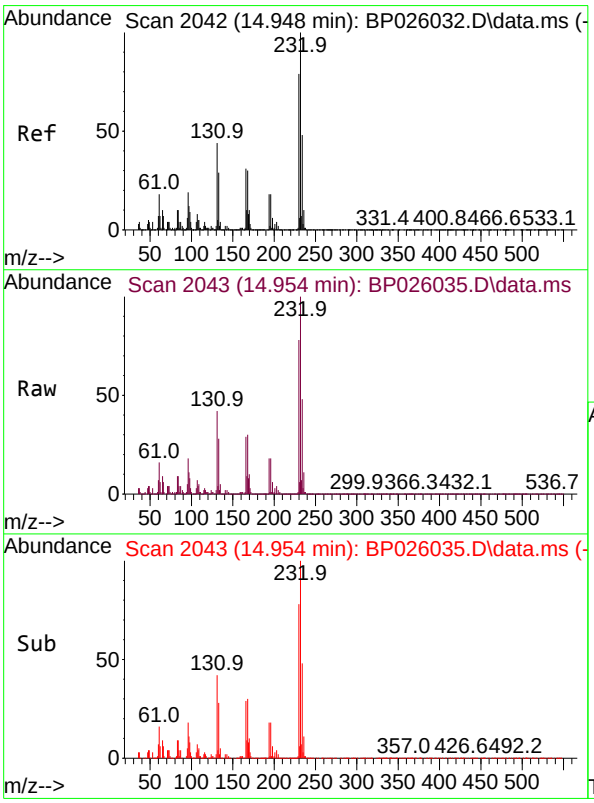
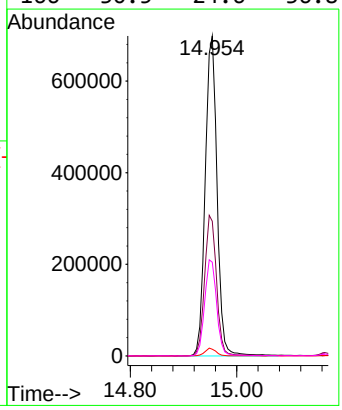


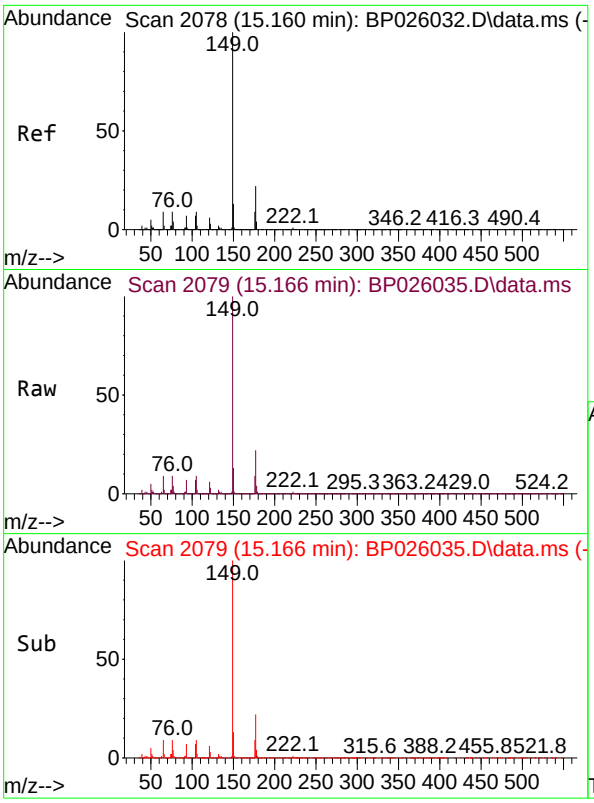


#59
2,3,4,6-Tetrachlorophenol
Concen: 89.860 ng
RT: 14.954 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:232 Resp: 1077698

Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.2	52.8
130	2.3	1.7	2.5
166	30.5	24.6	36.8





#60
Diethylphthalate
Concen: 79.517 ng
RT: 15.166 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:149 Resp: 4232388

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.6	10.1	15.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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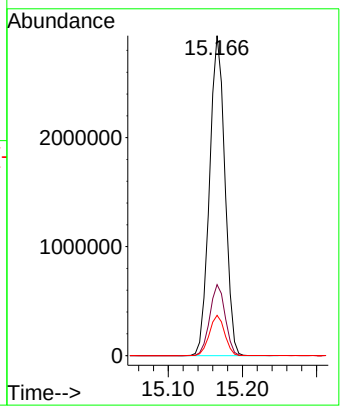
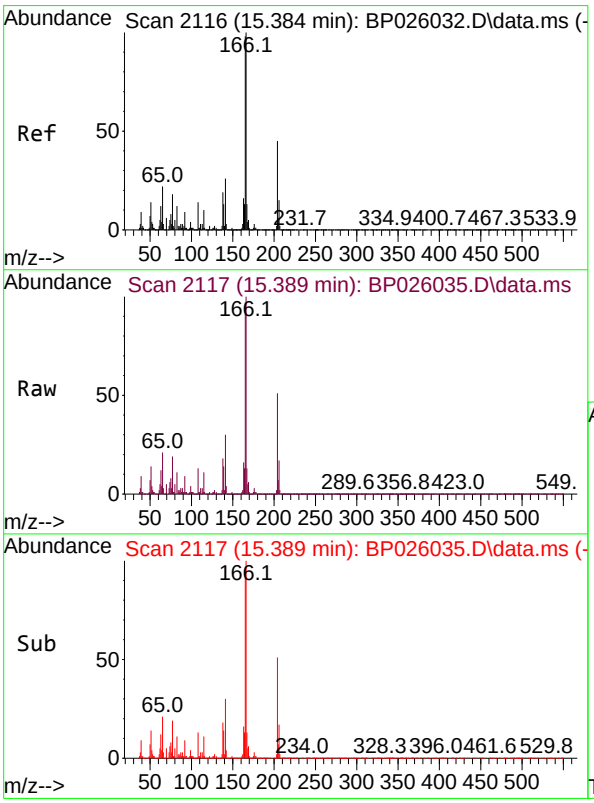
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

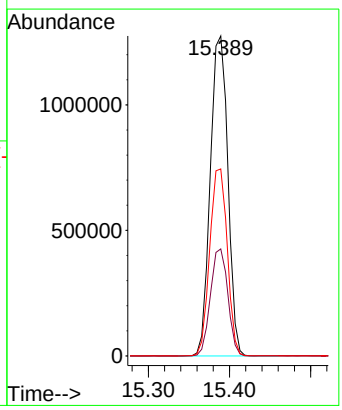


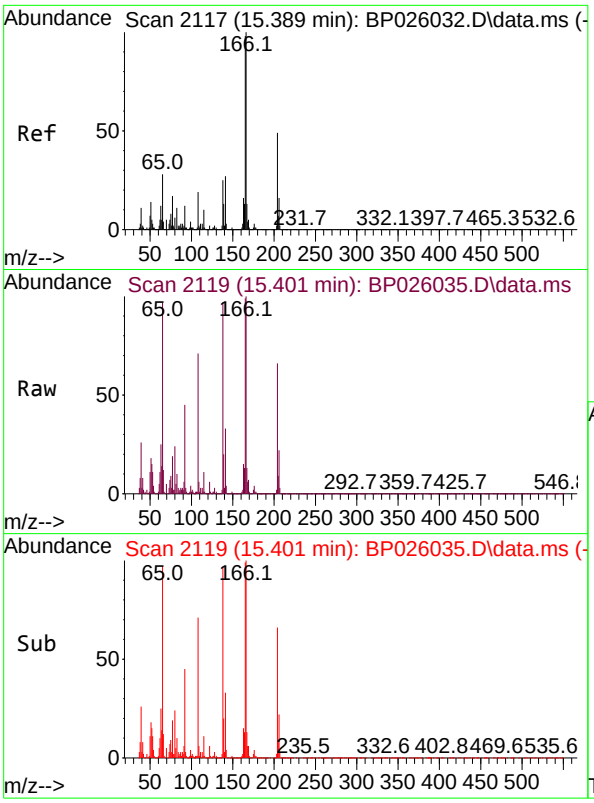


#61
4-Chlorophenyl-phenylether
Concen: 73.822 ng
RT: 15.389 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:204 Resp: 1914592

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.2	39.2
141	58.4	47.0	70.4





#62
4-Nitroaniline
Concen: 87.229 ng
RT: 15.401 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:138 Resp: 98685

Ion	Ratio	Lower	Upper
138	100		
92	46.3	28.2	68.2
108	73.3	56.0	96.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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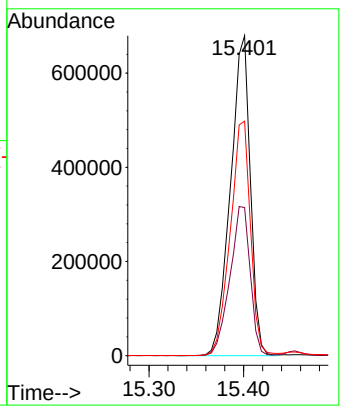
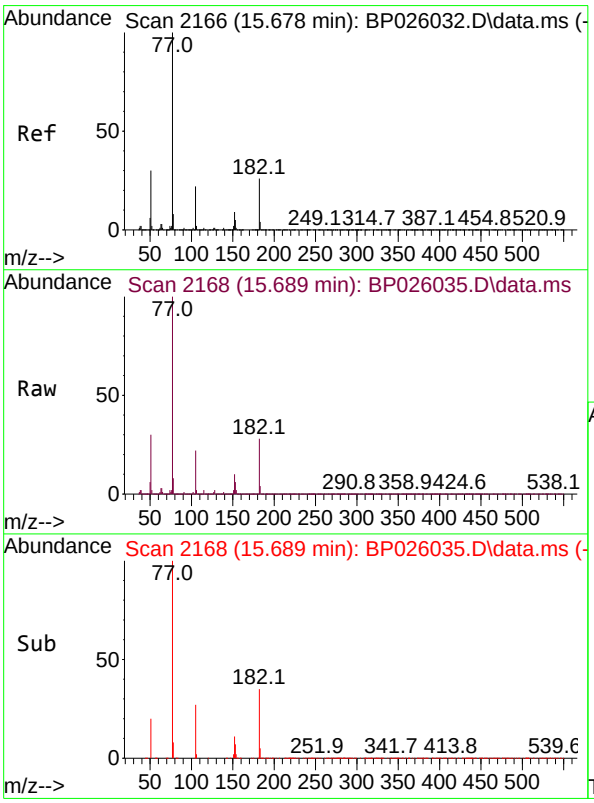
Supervised By :Jagrut Upadhyay 11/04/2025

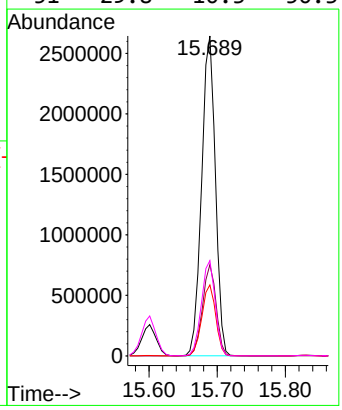


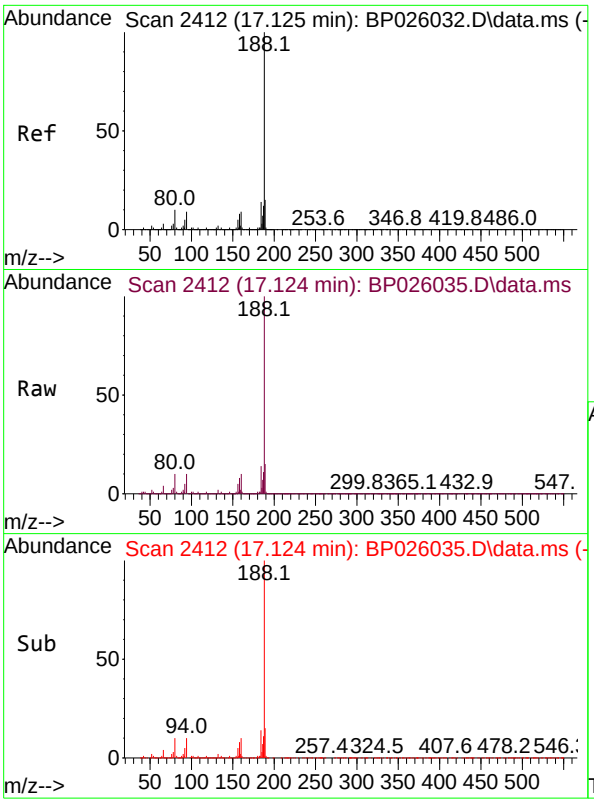


#63
Azobenzene
Concen: 77.187 ng
RT: 15.689 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 77 Resp: 3723361

Ion	Ratio	Lower	Upper
77	100		
182	28.5	6.4	46.4
105	22.2	2.2	42.2
51	29.8	10.3	50.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.124 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:188 Resp: 1454350

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.1	10.7
80	10.3	7.9	11.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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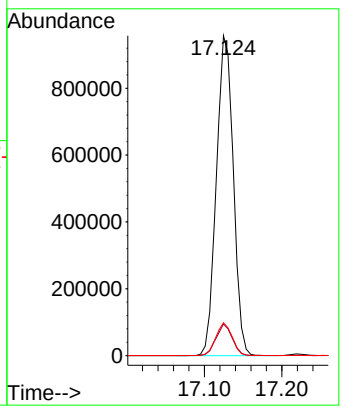
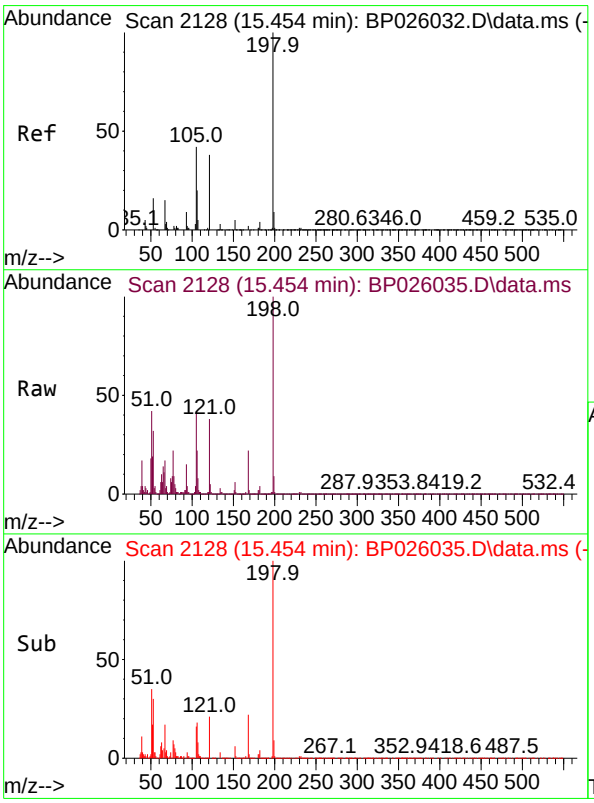
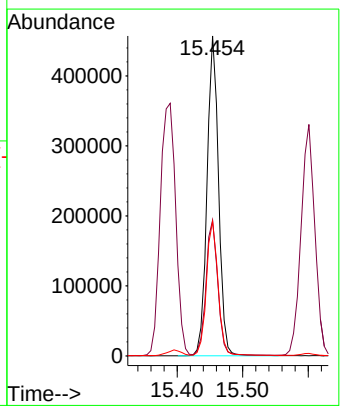


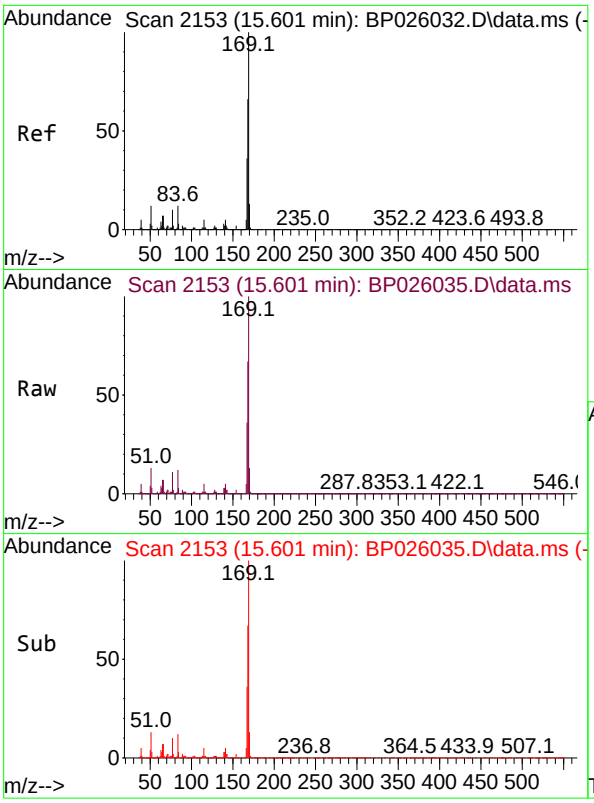


#65
4,6-Dinitro-2-methylphenol
Concen: 78.914 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:198 Resp: 556384

Ion	Ratio	Lower	Upper
198	100		
51	42.4	25.2	65.2
105	42.1	23.7	63.7





#66
n-Nitrosodiphenylamine
Concen: 78.206 ng
RT: 15.601 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:169 Resp: 355622

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.9	79.3
167	36.2	28.9	43.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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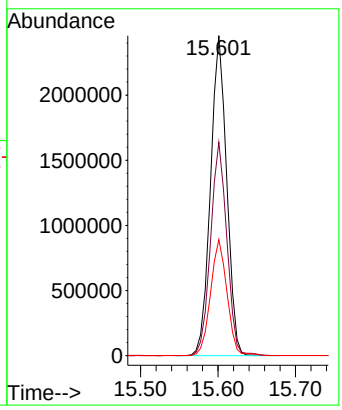
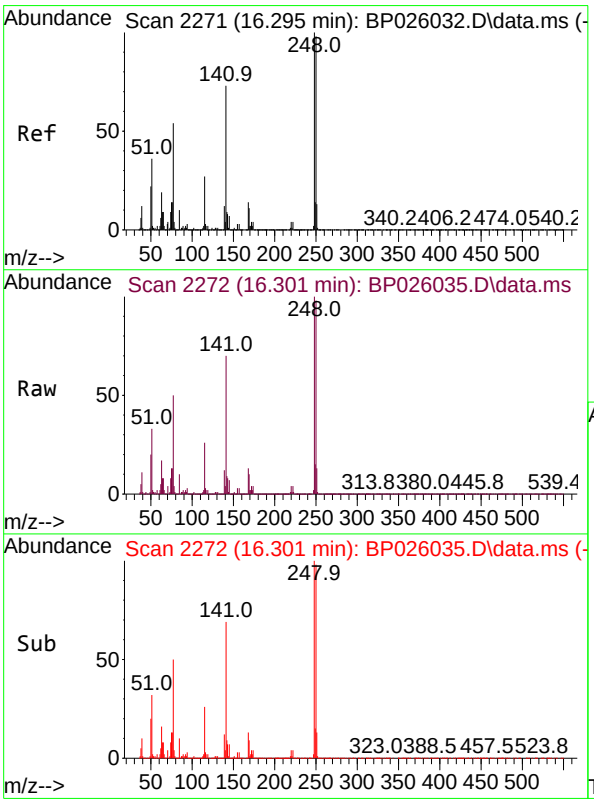
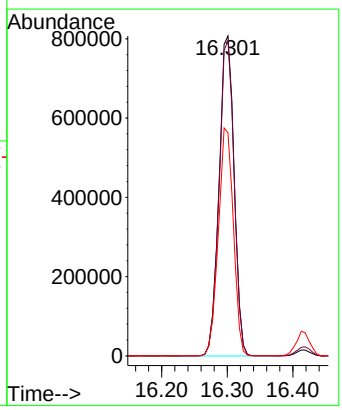


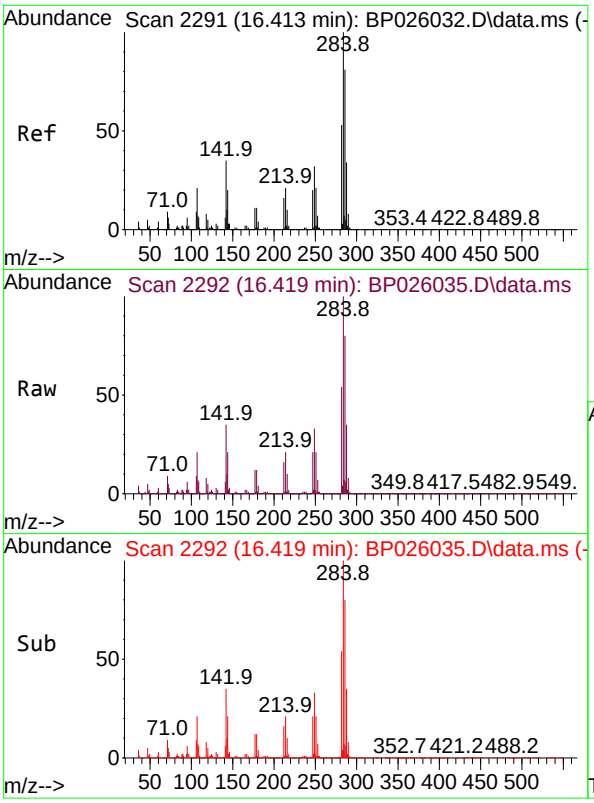


#67
4-Bromophenyl-phenylether
Concen: 80.020 ng
RT: 16.301 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:248 Resp: 1290917

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.4	117.6
141	69.7	58.3	87.5





#68
Hexachlorobenzene
Concen: 78.359 ng
RT: 16.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:284 Resp: 1439069

Ion	Ratio	Lower	Upper
284	100		
142	34.9	27.7	41.5
249	32.6	25.5	38.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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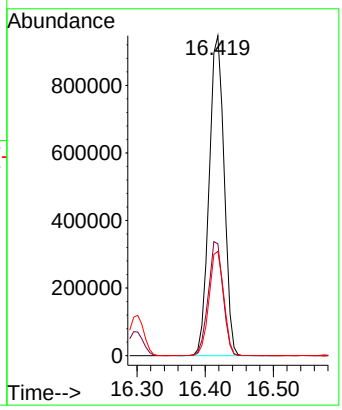
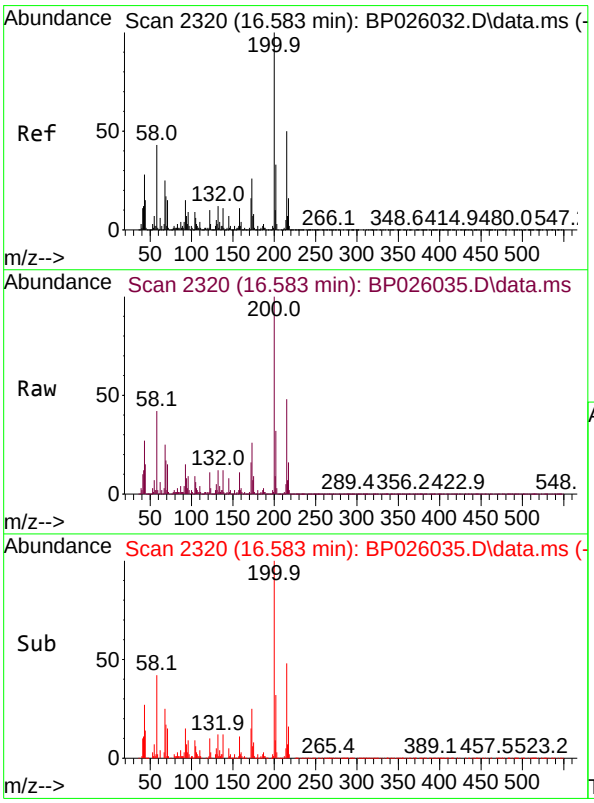
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

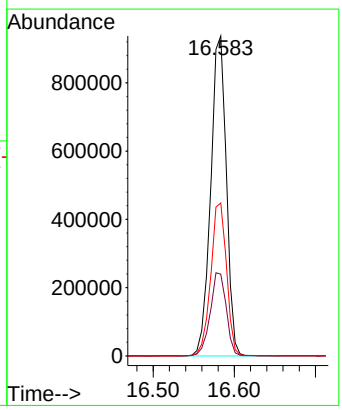


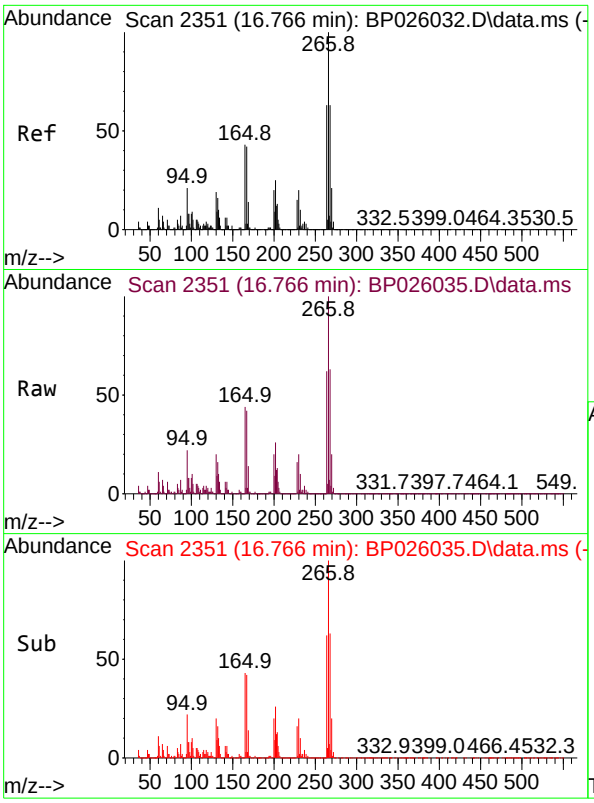


#69
Atrazine
Concen: 81.924 ng
RT: 16.583 min Scan# 2320
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:200 Resp: 1256682

Ion	Ratio	Lower	Upper
200	100		
173	25.5	6.2	46.2
215	47.8	29.8	69.8





#70
Pentachlorophenol
Concen: 88.261 ng
RT: 16.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:266 Resp: 990090

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.6	76.0
264	62.1	50.2	75.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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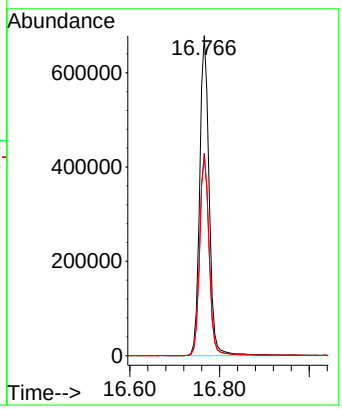
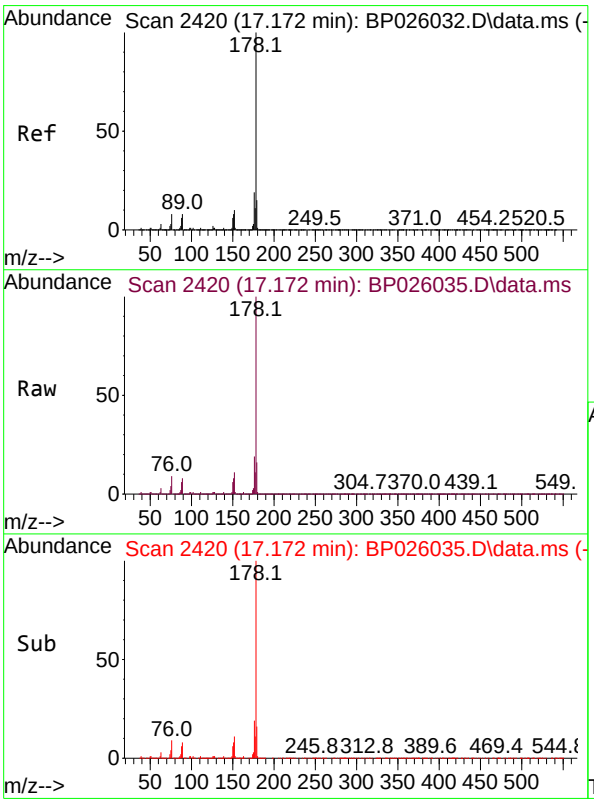
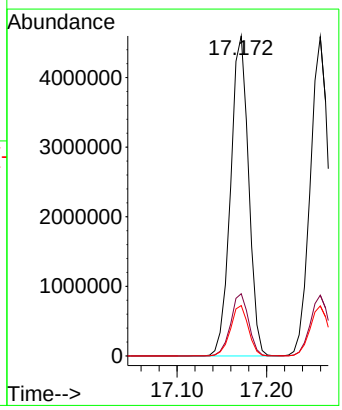


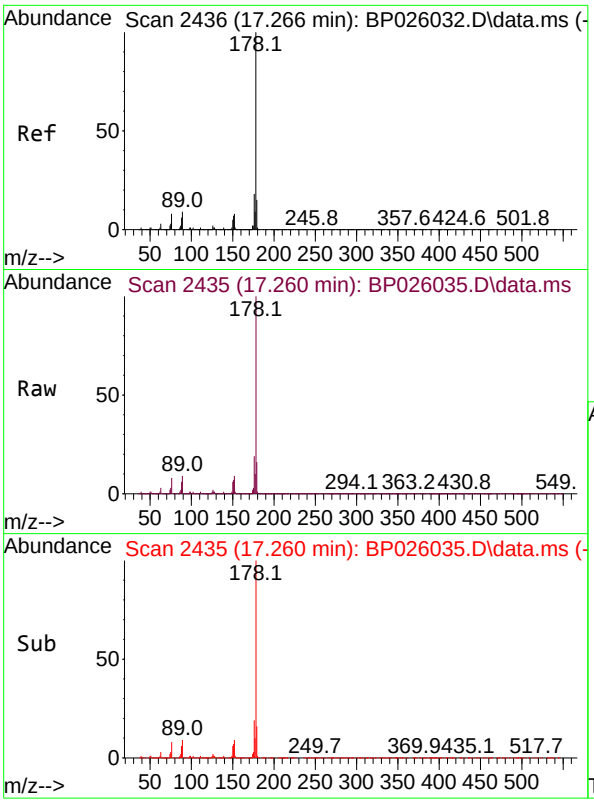


#71
Phenanthrene
Concen: 75.907 ng
RT: 17.172 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:178 Resp: 6425576

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.7	12.3	18.5





#72
Anthracene
Concen: 77.318 ng
RT: 17.260 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:178 Resp: 6487799

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.7	12.2	18.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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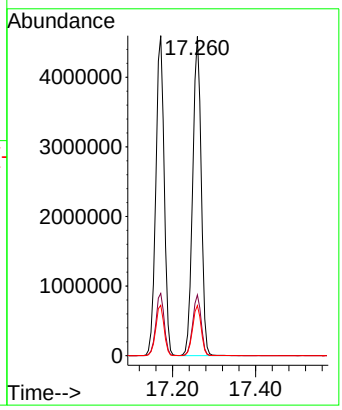
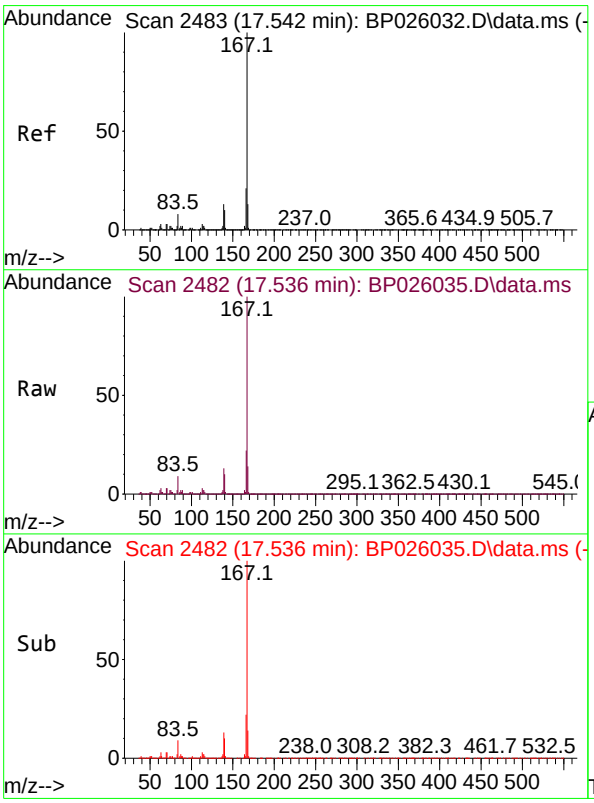
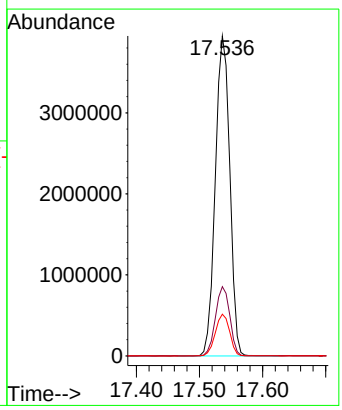


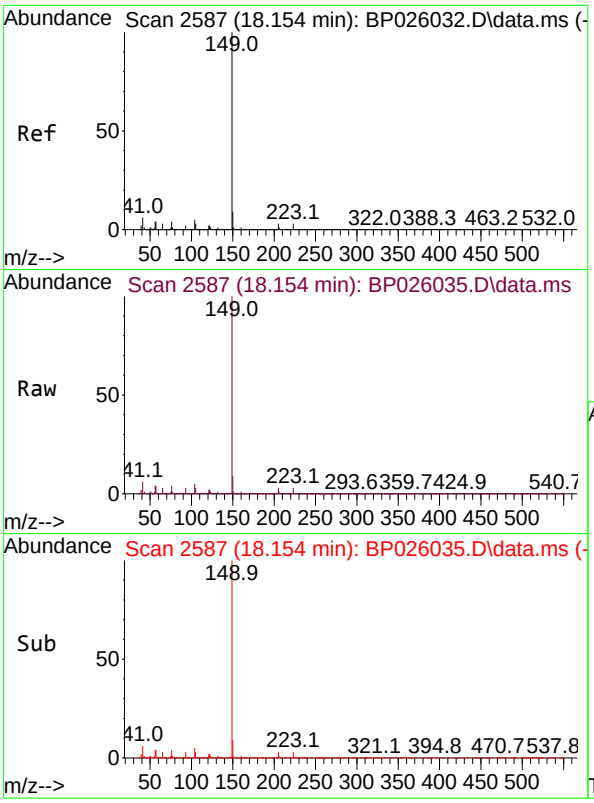


#73
Carbazole
Concen: 78.943 ng
RT: 17.536 min Scan# 2482
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:167 Resp: 6270446

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.0	10.2	15.2





#74
Di-n-butylphthalate
Concen: 81.950 ng
RT: 18.154 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:149 Resp: 728361

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.8	3.8	5.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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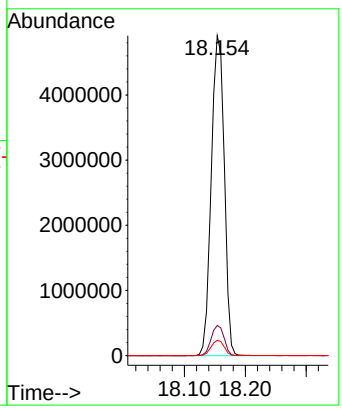
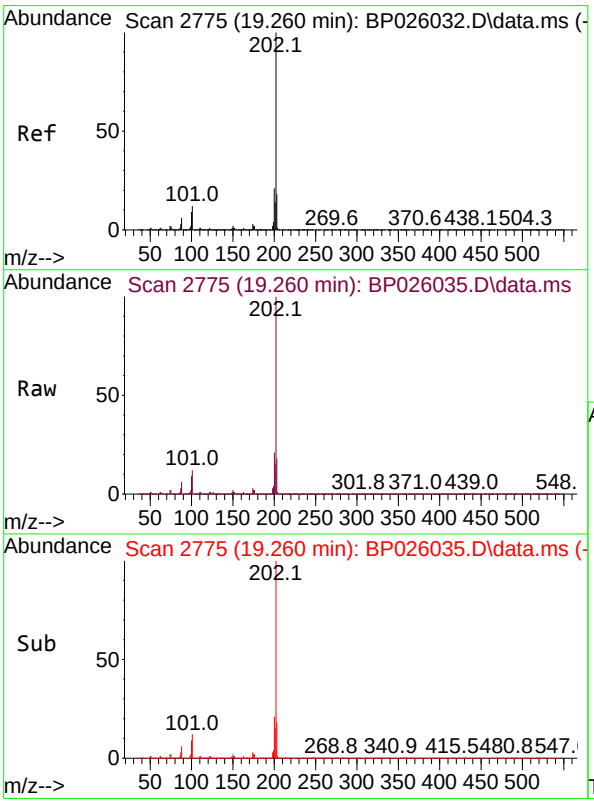
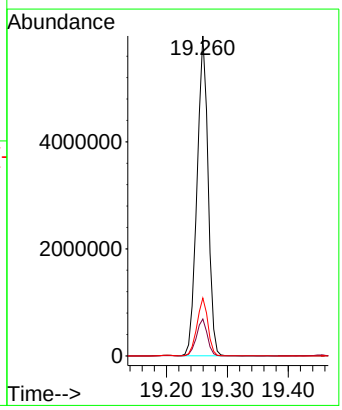


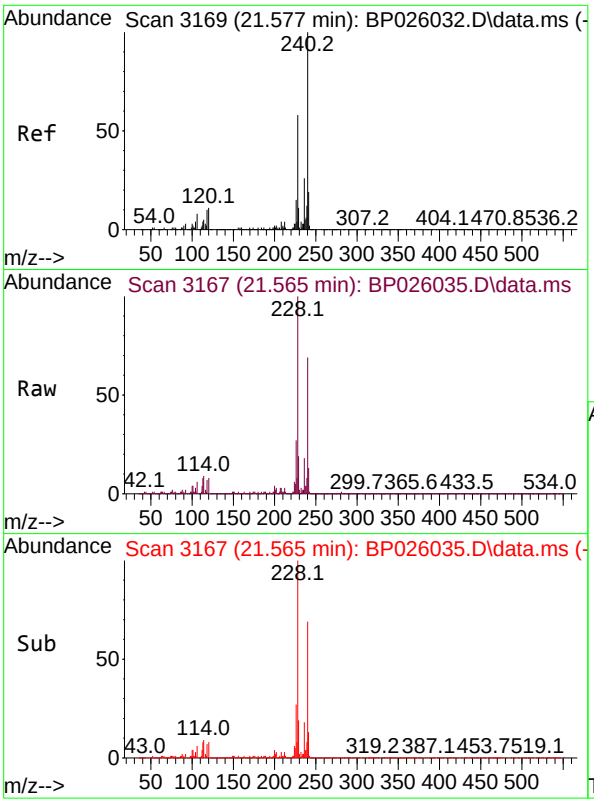


#75
Fluoranthene
Concen: 76.268 ng
RT: 19.260 min Scan# 2775
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:202 Resp: 7531112

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.1
203	18.1	0.0	37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.565 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:240 Resp: 1518010

Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.9	13.3
236	25.6	20.6	31.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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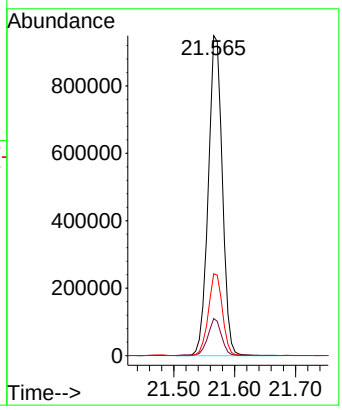
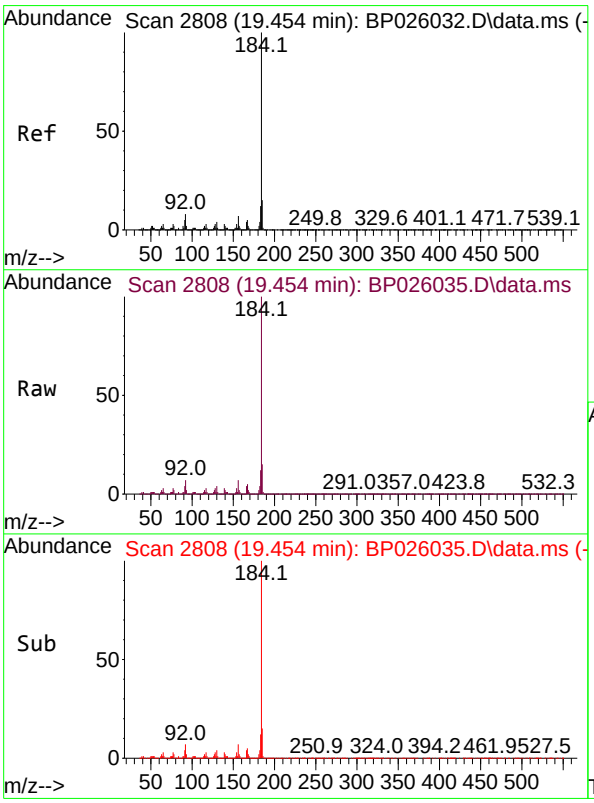
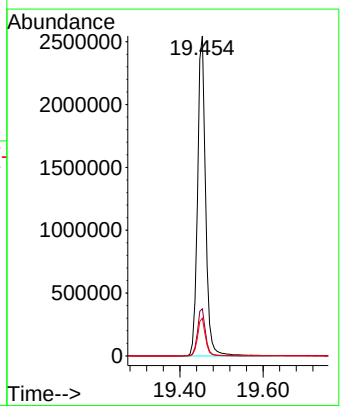


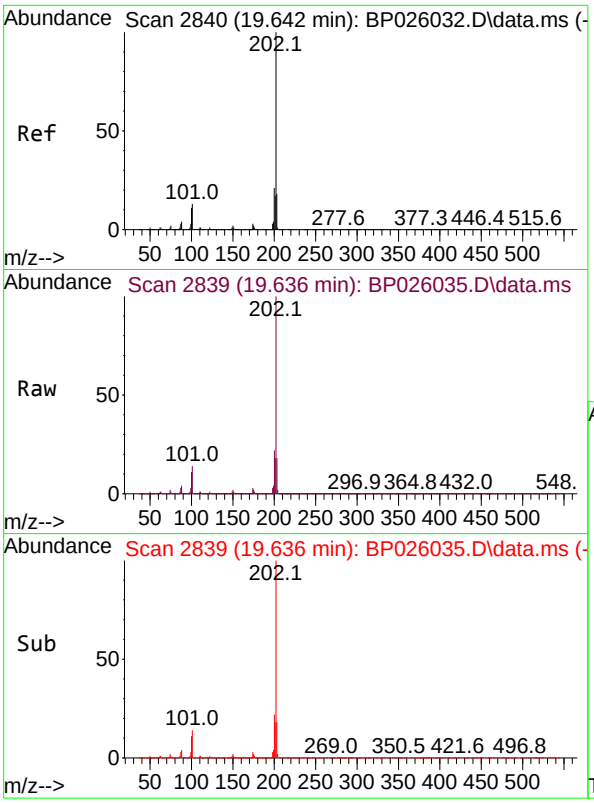


#77
Benzidine
Concen: 88.260 ng
RT: 19.454 min Scan# 2808
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:184 Resp: 3400762

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	11.8	9.2	13.8





#78
Pyrene
Concen: 77.487 ng
RT: 19.636 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:202 Resp: 795558

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	25.0
203	18.0	14.0	21.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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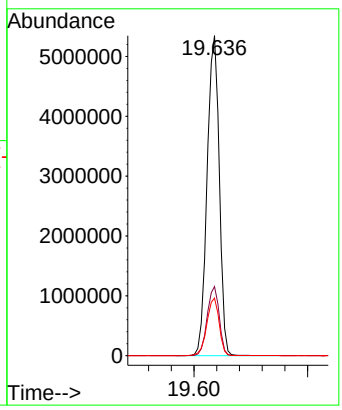
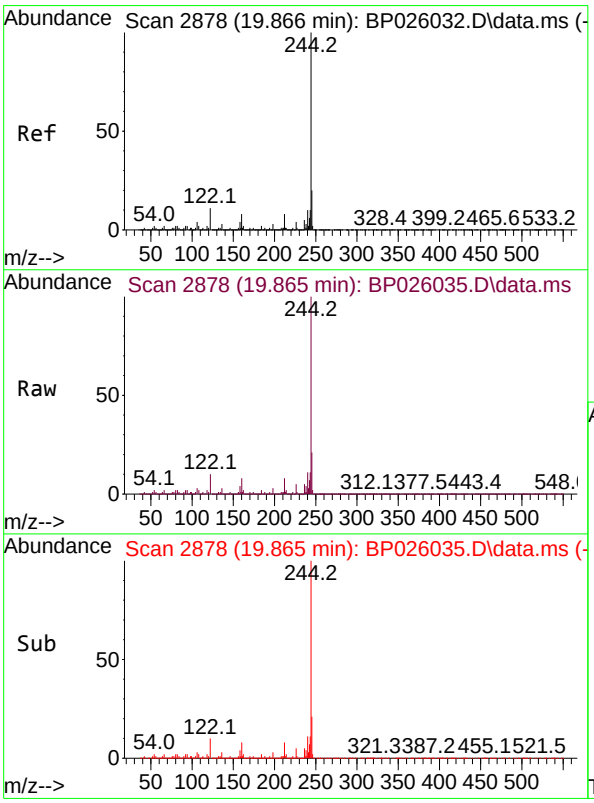
Supervised By :Jagrut Upadhyay 11/04/2025

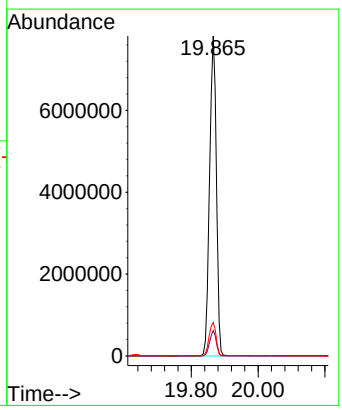


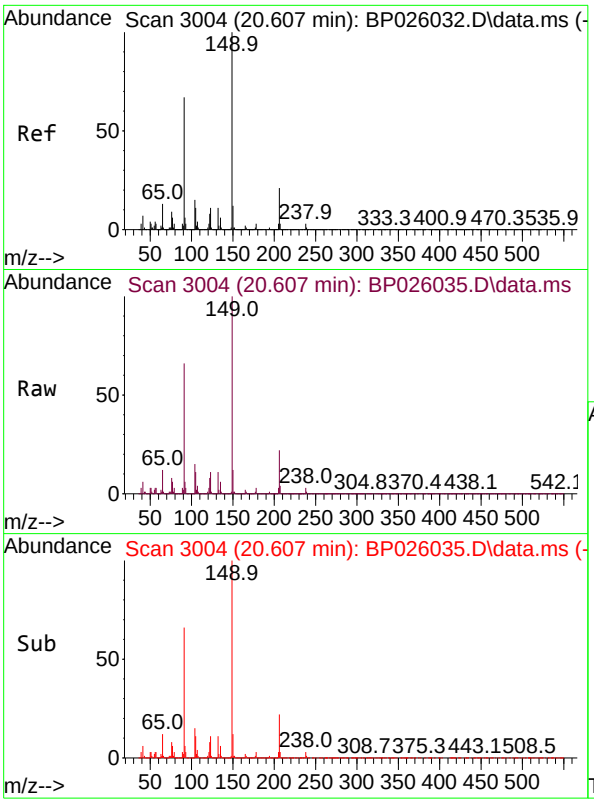


#79
Terphenyl-d14
Concen: 147.627 ng
RT: 19.865 min Scan# 2878
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:244 Resp:11030199

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.0	9.0
122	10.4	9.0	13.6





#80
Butylbenzylphthalate
Concen: 80.010 ng
RT: 20.607 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:149 Resp: 316039

Ion	Ratio	Lower	Upper
149	100		
91	66.1	53.5	80.3
206	21.5	16.6	25.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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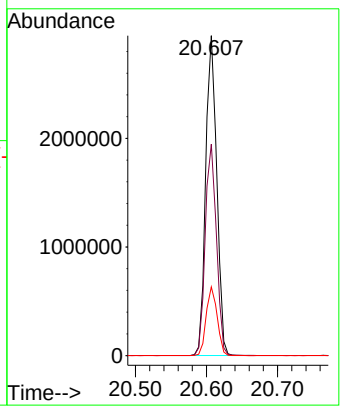
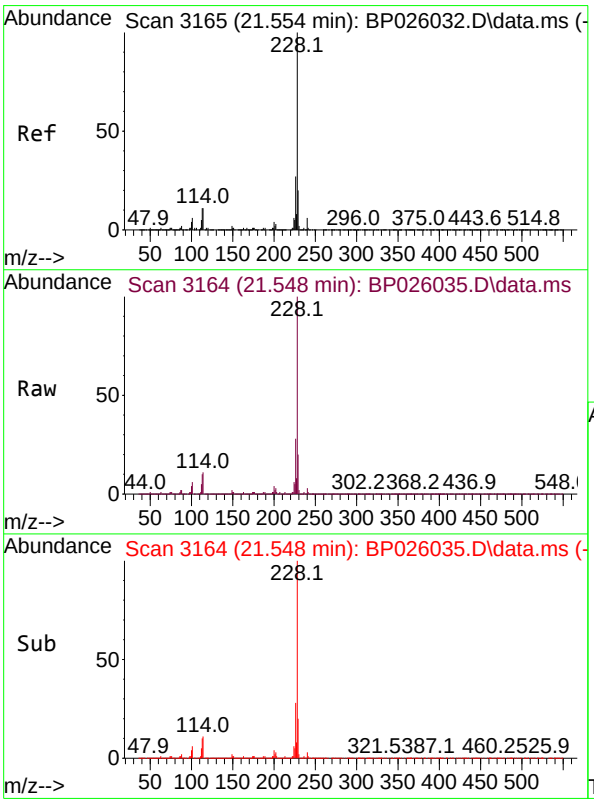
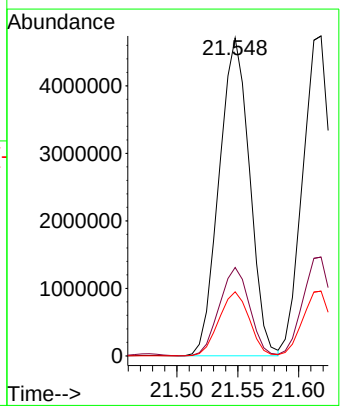


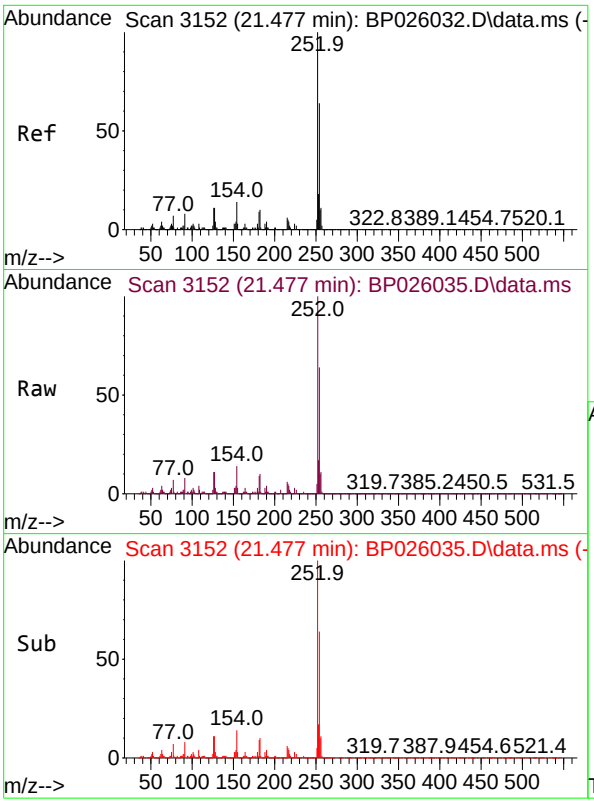


#81
Benzo(a)anthracene
Concen: 78.602 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:228 Resp: 8199298

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	20.1	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 84.414 ng
RT: 21.477 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:252 Resp: 283710

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.3	76.9
126	11.5	9.1	13.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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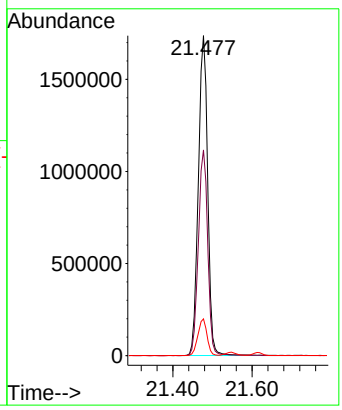
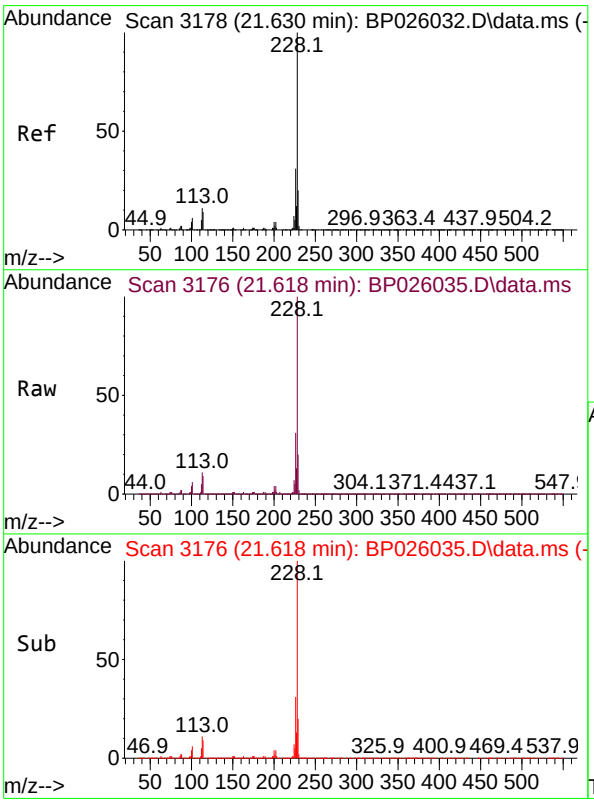
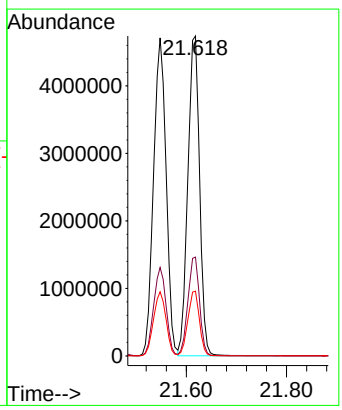


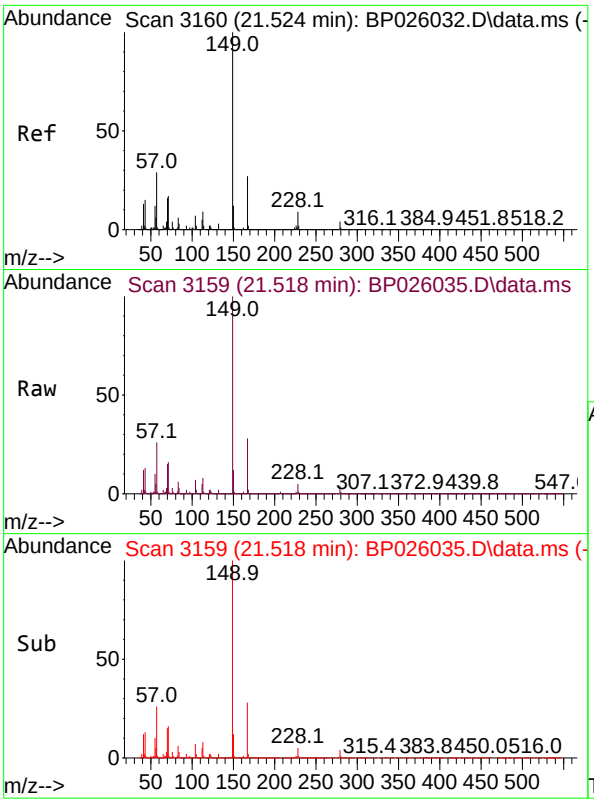


#83
Chrysene
Concen: 77.890 ng
RT: 21.618 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:228 Resp: 7696535

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	20.2	16.0	24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 77.525 ng
RT: 21.518 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:149 Resp: 490353

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.5	32.3
279	4.3	3.0	4.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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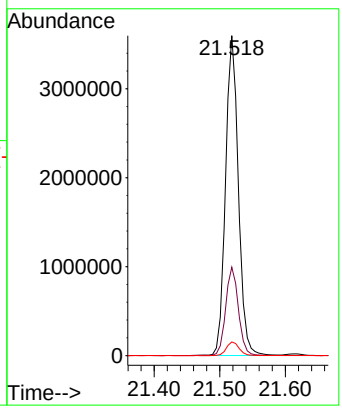
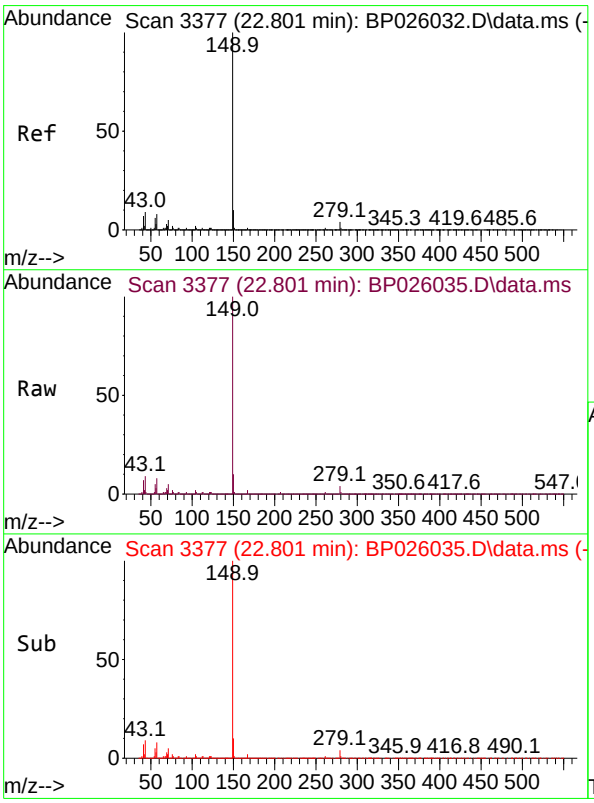
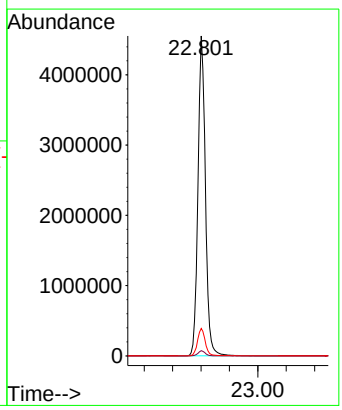


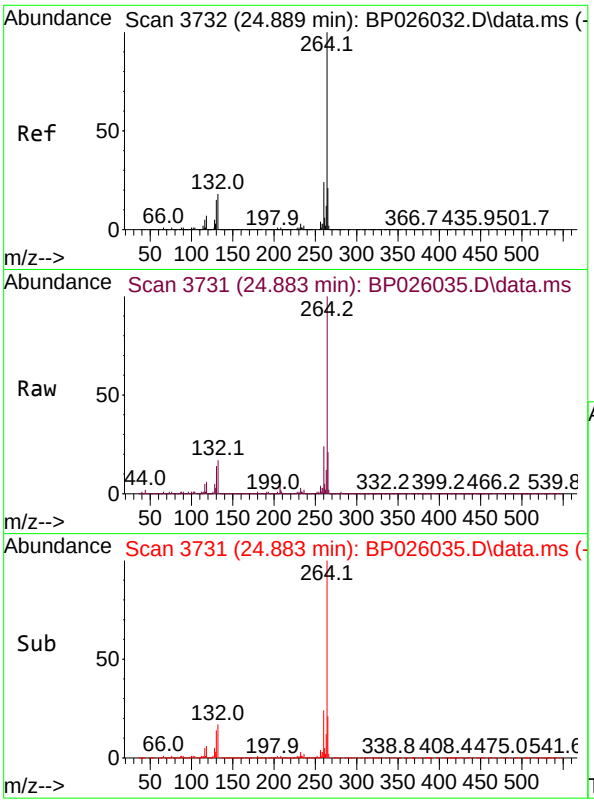


#85
Di-n-octyl phthalate
Concen: 91.682 ng
RT: 22.801 min Scan# 3377
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:149 Resp: 8284794

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.0	7.6	11.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.883 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:264 Resp: 169300

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.0	17.2	25.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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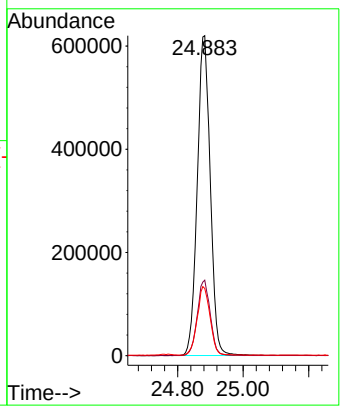
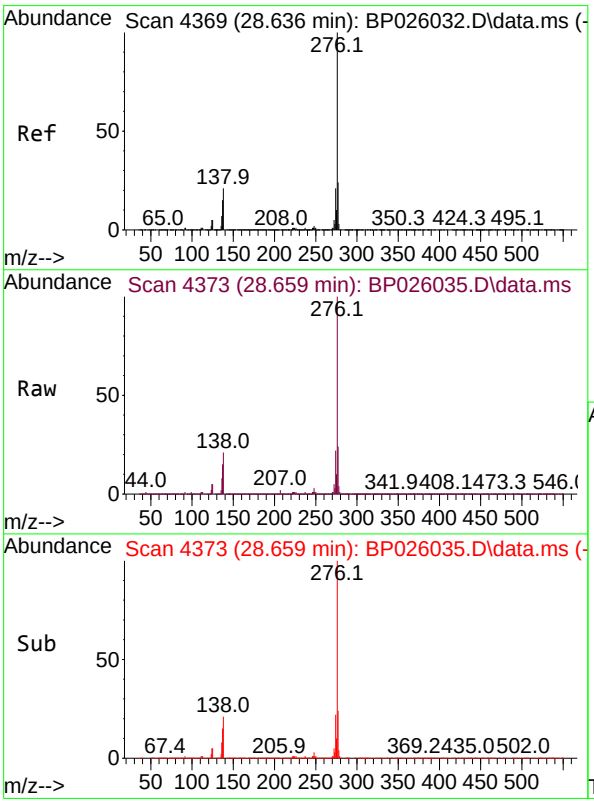
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

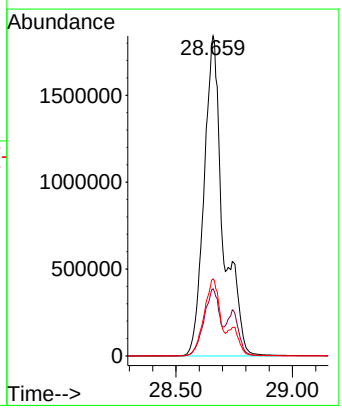


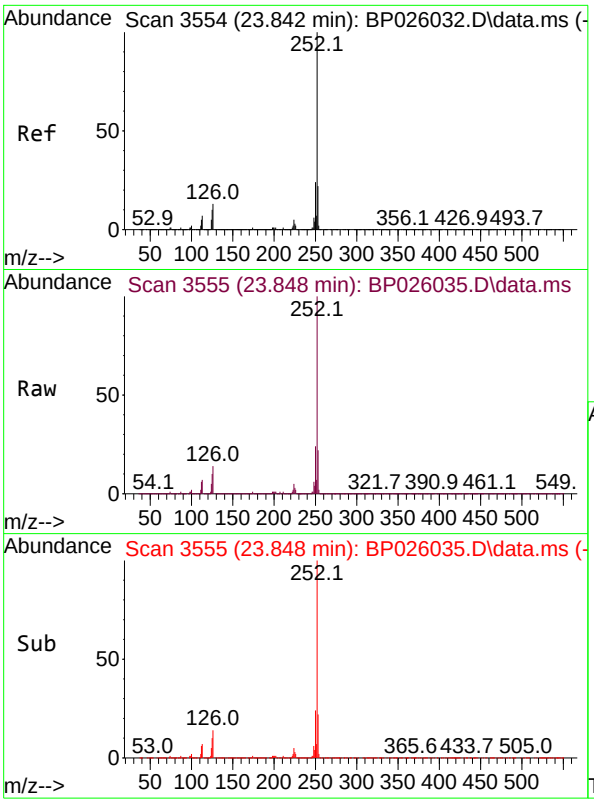


#87
Indeno(1,2,3-cd)pyrene
Concen: 84.304 ng m
RT: 28.659 min Scan# 4373
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:276 Resp:10532958

Ion	Ratio	Lower	Upper
276	100		
138	17.3	13.2	19.8
277	19.7	16.3	24.5





#88
Benzo(b)fluoranthene
Concen: 81.284 ng
RT: 23.848 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

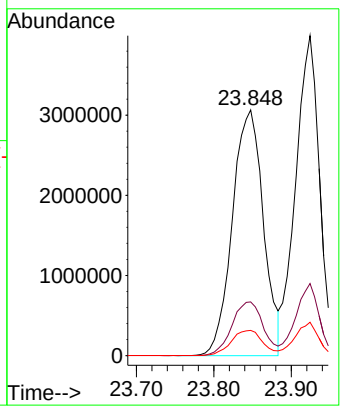
Tgt Ion:252 Resp: 854297

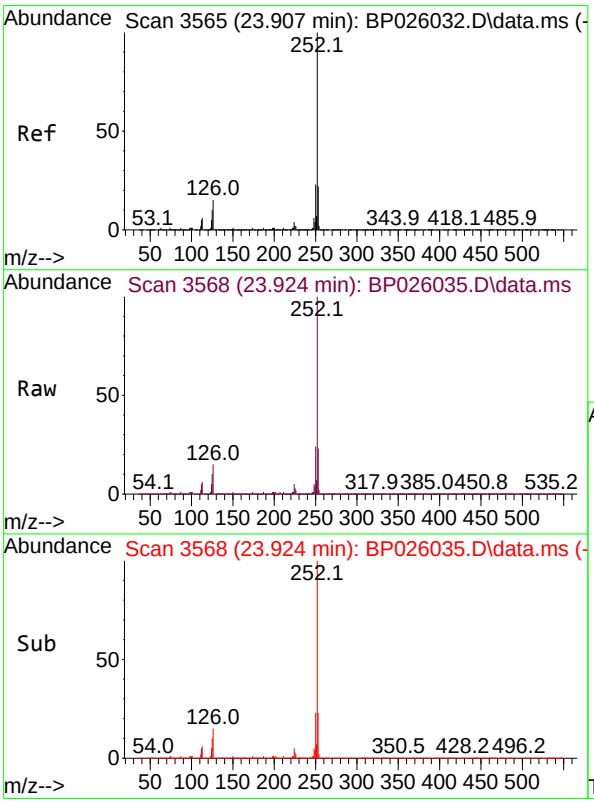
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.3	8.1	12.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

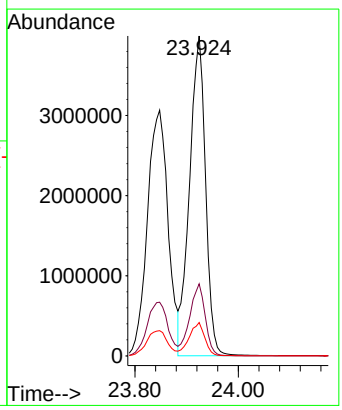


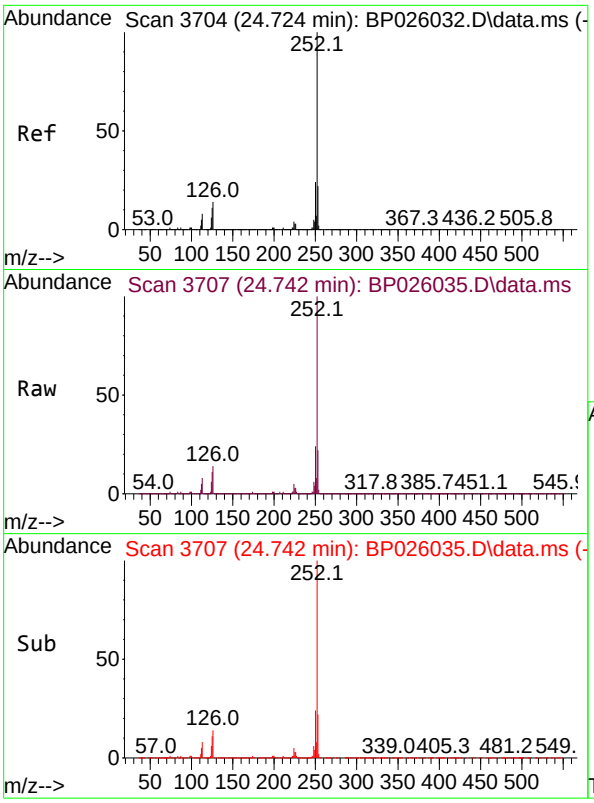


#89
Benzo(k)fluoranthene
Concen: 79.943 ng
RT: 23.924 min Scan# 3568
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:252 Resp: 8579950

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.4	8.1	12.1





#90
Benzo(a)pyrene
Concen: 83.215 ng
RT: 24.742 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

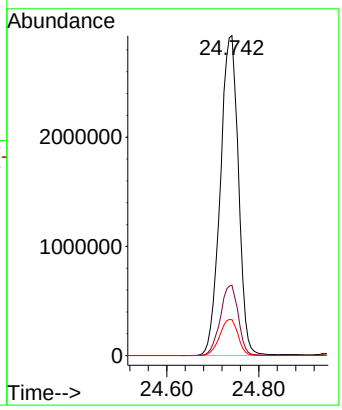
Tgt Ion:252 Resp: 803486

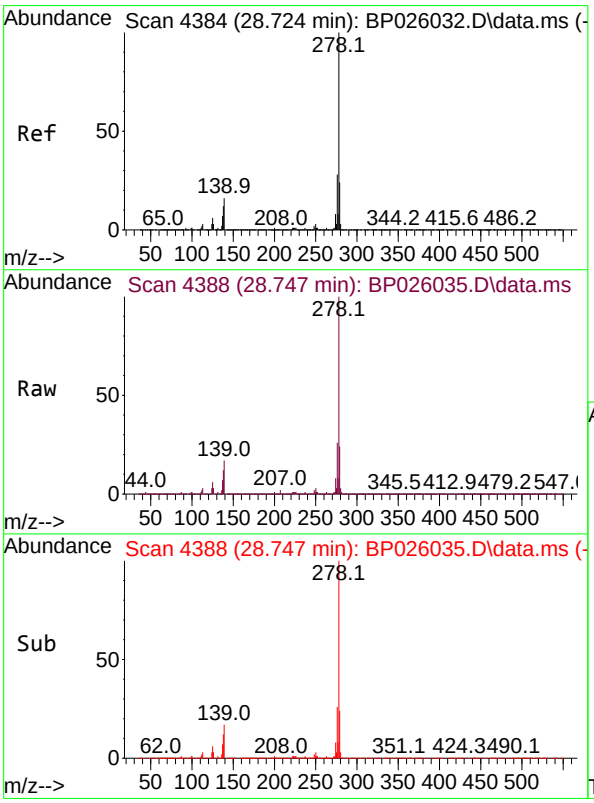
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	11.2	9.1	13.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

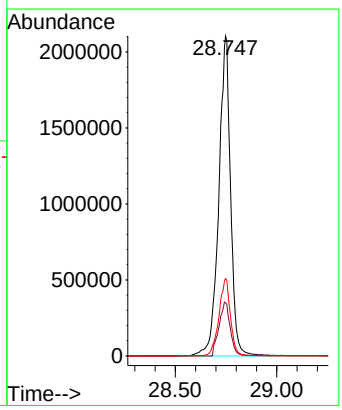


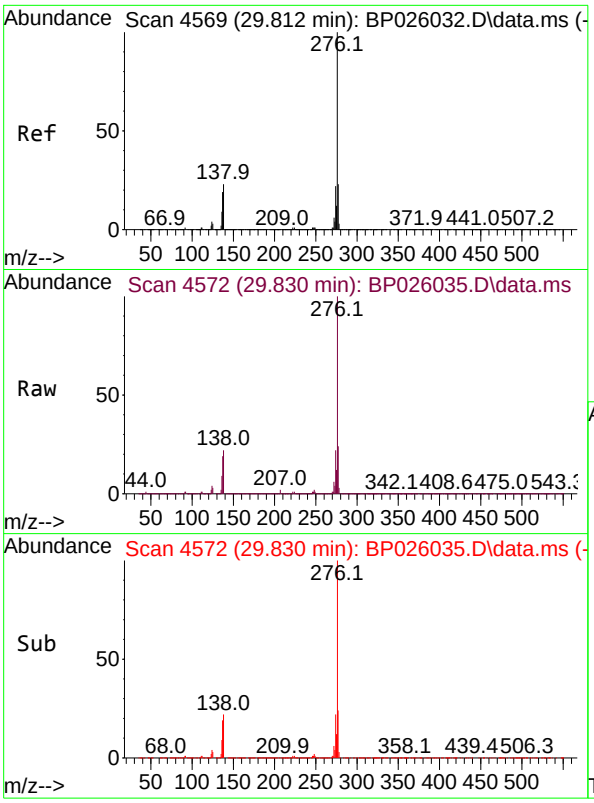


#91
Dibenzo(a,h)anthracene
Concen: 83.540 ng
RT: 28.747 min Scan# 4388
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:278 Resp: 8497246

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.0	19.6
279	24.2	18.9	28.3

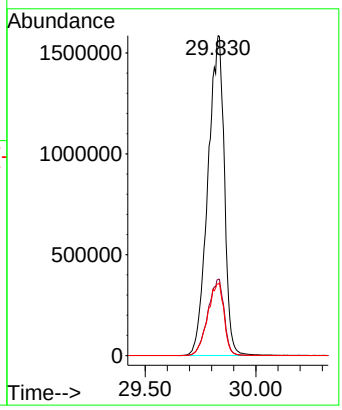




#92
Benzo(g,h,i)perylene
Concen: 83.299 ng
RT: 29.830 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:276 Resp: 815314

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	22.4	18.1	27.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.637	152	281938	20.000	ng		-0.05
21) Naphthalene-d8	10.413	136	1165829	20.000	ng		-0.04
39) Acenaphthene-d10	14.313	164	734180	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1529844	20.000	ng		0.00
76) Chrysene-d12	21.577	240	1603754	20.000	ng		0.01
86) Perylene-d12	24.901	264	1688986	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.249	112	1169189	68.429	ng		-0.05
7) Phenol-d6	6.807	99	1480783	68.090	ng		-0.05
23) Nitrobenzene-d5	8.784	82	1283881	68.652	ng		-0.04
42) 2,4,6-Tribromophenol	15.830	330	577899	72.809	ng		0.00
45) 2-Fluorobiphenyl	12.913	172	3425177	67.037	ng		-0.02
79) Terphenyl-d14	19.871	244	5329468	67.515	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.214	88	239880	33.303	ng		100
3) Pyridine	3.590	79	668959	32.670	ng		99
4) n-Nitrosodimethylamine	3.508	42	288399	35.142	ng		97
6) Aniline	6.972	93	1040197	35.839	ng		100
8) 2-Chlorophenol	7.202	128	654572	34.596	ng		97
9) Benzaldehyde	6.784	77	520334m	46.027	ng		
10) Phenol	6.831	94	816366	33.813	ng		99
11) bis(2-Chloroethyl)ether	7.066	93	645531	33.880	ng		99
12) 1,3-Dichlorobenzene	7.531	146	750462	34.538	ng		99
13) 1,4-Dichlorobenzene	7.678	146	771097	35.099	ng		98
14) 1,2-Dichlorobenzene	7.990	146	735657	35.092	ng		99
15) Benzyl Alcohol	7.866	79	551625	35.185	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.172	45	965445	33.526	ng		98
17) 2-Methylphenol	8.078	107	553305	34.998	ng		99
18) Hexachloroethane	8.713	117	259803	34.560	ng		100
19) n-Nitroso-di-n-propyla...	8.443	70	490575	36.340	ng		98
20) 3+4-Methylphenols	8.396	107	753178	34.245	ng		98
22) Acetophenone	8.449	105	1054241	35.756	ng	#	98
24) Nitrobenzene	8.825	77	687636	34.825	ng		98
25) Isophorone	9.343	82	1403746	35.069	ng		100
26) 2-Nitrophenol	9.525	139	257308	36.106	ng		97
27) 2,4-Dimethylphenol	9.584	122	632451	37.573	ng		99
28) bis(2-Chloroethoxy)met...	9.837	93	869155	34.454	ng		99
29) 2,4-Dichlorophenol	10.060	162	614929	34.599	ng		99
30) 1,2,4-Trichlorobenzene	10.278	180	684636	35.441	ng		97
31) Naphthalene	10.466	128	2154430	33.888	ng		100
32) Benzoic acid	9.690	122	351760	37.646	ng		98
33) 4-Chloroaniline	10.566	127	949777	38.877	ng		99
34) Hexachlorobutadiene	10.760	225	415865	33.876	ng		99
35) Caprolactam	11.319	113	217407	34.833	ng		96
36) 4-Chloro-3-methylphenol	11.695	107	646328	34.690	ng		98
37) 2-Methylnaphthalene	12.084	142	1378858	30.988	ng		99
38) 1-Methylnaphthalene	12.319	142	1423665	32.934	ng		100
40) 1,2,4,5-Tetrachloroben...	12.460	216	786568	34.481	ng		100
41) Hexachlorocyclopentadiene	12.448	237	393924	47.197	ng		99
43) 2,4,6-Trichlorophenol	12.701	196	489212	36.282	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.766	196	543516	35.326 ng	96
46) 1,1'-Biphenyl	13.113	154	1971667	35.073 ng	100
47) 2-Chloronaphthalene	13.154	162	1471874	33.277 ng	98
48) 2-Nitroaniline	13.354	65	374554	33.821 ng	99
49) Acenaphthylene	14.031	152	2509218	38.923 ng	100
50) Dimethylphthalate	13.760	163	1875076	35.112 ng	100
51) 2,6-Dinitrotoluene	13.866	165	367251	37.528 ng	96
52) Acenaphthene	14.378	154	1458746	32.961 ng	99
53) 3-Nitroaniline	14.195	138	425192	36.037 ng	97
54) 2,4-Dinitrophenol	14.413	184	126516	36.040 ng	97
55) Dibenzofuran	14.719	168	2269310	33.938 ng	99
56) 4-Nitrophenol	14.507	139	348249	32.703 ng	97
57) 2,4-Dinitrotoluene	14.678	165	499801	35.013 ng	100
58) Fluorene	15.378	166	1851395	35.342 ng	99
59) 2,3,4,6-Tetrachlorophenol	14.942	232	474164	39.197 ng	99
60) Diethylphthalate	15.166	149	1879900	35.015 ng	99
61) 4-Chlorophenyl-phenyle...	15.389	204	887559	33.928 ng	99
62) 4-Nitroaniline	15.395	138	432391	37.891 ng	98
63) Azobenzene	15.689	77	1705483	35.051 ng	99
65) 4,6-Dinitro-2-methylph...	15.454	198	200079	35.409 ng	93
66) n-Nitrosodiphenylamine	15.601	169	1610105	33.661 ng	99
67) 4-Bromophenyl-phenylether	16.301	248	556621	32.800 ng	98
68) Hexachlorobenzene	16.419	284	633716	32.804 ng	99
69) Atrazine	16.583	200	598775	37.108 ng	97
70) Pentachlorophenol	16.760	266	397848	33.716 ng	99
71) Phenanthrene	17.166	178	2914044	32.726 ng	100
72) Anthracene	17.260	178	2948850	33.409 ng	100
73) Carbazole	17.536	167	2792407	33.421 ng	100
74) Di-n-butylphthalate	18.154	149	3284045	35.126 ng	100
75) Fluoranthene	19.266	202	3440878	33.126 ng	99
77) Benzidine	19.454	184	1960099	48.151 ng	100
78) Pyrene	19.642	202	3569948	32.912 ng	99
80) Butylbenzylphthalate	20.613	149	1317625	33.630 ng	98
81) Benzo(a)anthracene	21.560	228	3642485	33.052 ng	100
82) 3,3'-Dichlorobenzidine	21.483	252	1322765	37.253 ng	100
83) Chrysene	21.624	228	3395520	32.526 ng	99
84) Bis(2-ethylhexyl)phtha...	21.530	149	2128720	33.750 ng	99
85) Di-n-octyl phthalate	22.818	149	3214231	33.668 ng	99
87) Indeno(1,2,3-cd)pyrene	28.671	276	4151592m	33.295 ng	
88) Benzo(b)fluoranthene	23.848	252	3575209	34.098 ng	99
89) Benzo(k)fluoranthene	23.930	252	3681173	34.381 ng	100
90) Benzo(a)pyrene	24.742	252	3373695	35.024 ng	99
91) Dibenzo(a,h)anthracene	28.765	278	3437827	33.879 ng	99
92) Benzo(g,h,i)perylene	29.836	276	3306526	33.862 ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

ICAL Form

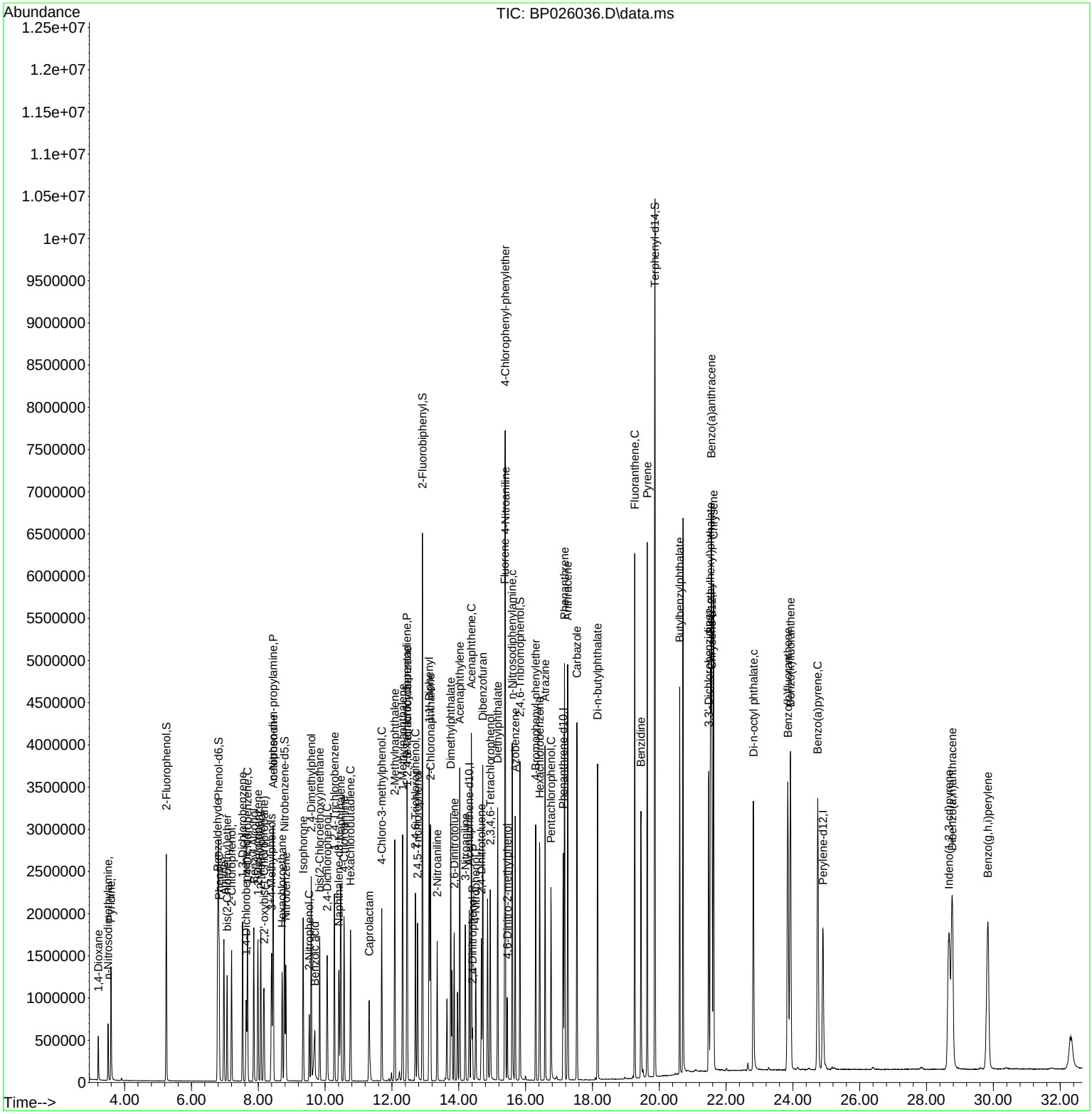
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

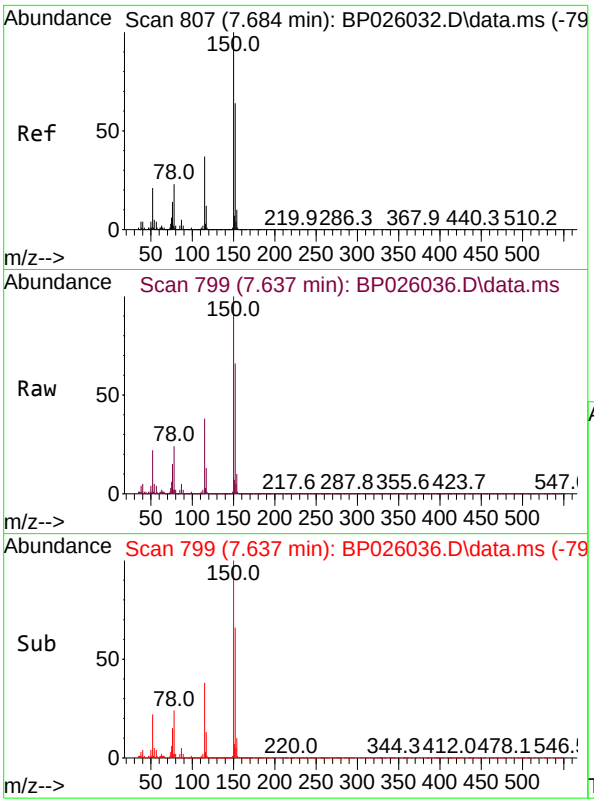
Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.637 min Scan# 79
Delta R.T. -0.053 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

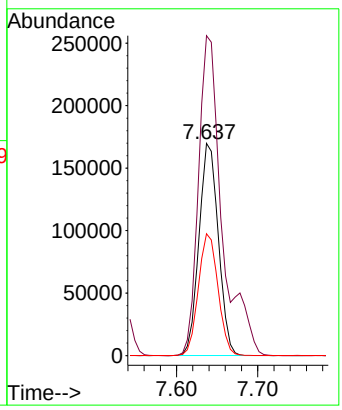
Tgt Ion:152 Resp: 281938

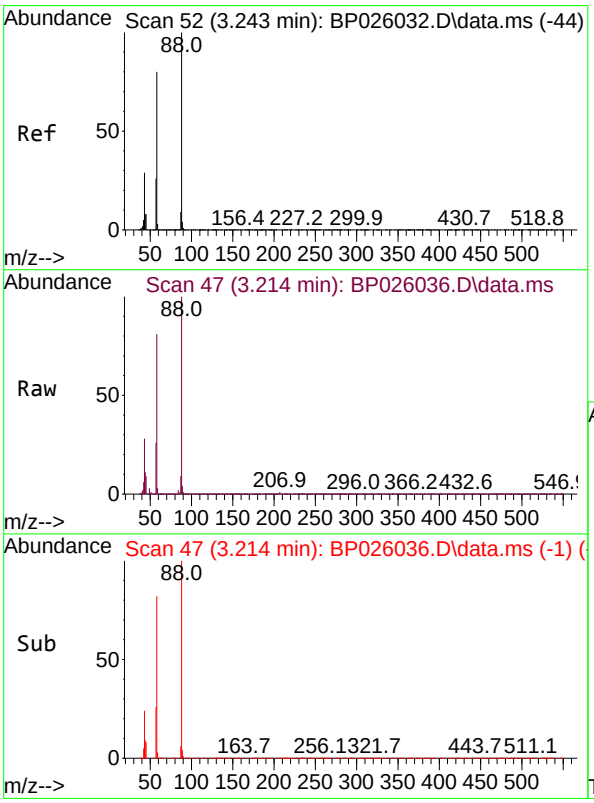
Ion	Ratio	Lower	Upper
152	100		
150	150.8	125.7	188.5
115	57.4	46.4	69.6

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

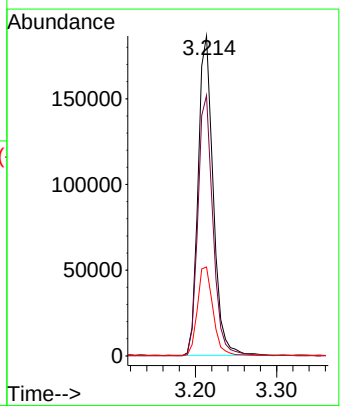


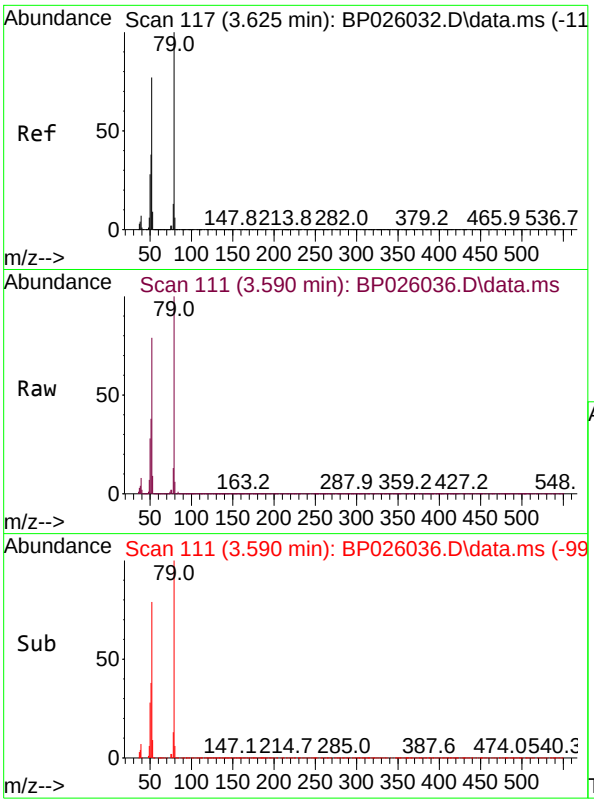


#2
1,4-Dioxane
Concen: 33.303 ng
RT: 3.214 min Scan# 47
Delta R.T. -0.023 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 88 Resp: 239880

Ion	Ratio	Lower	Upper
88	100		
58	81.5	65.4	98.0
43	28.8	23.1	34.7





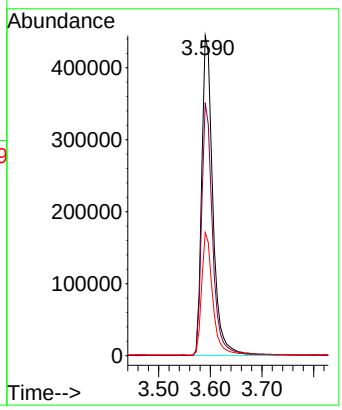
#3
Pyridine
Concen: 32.670 ng
RT: 3.590 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

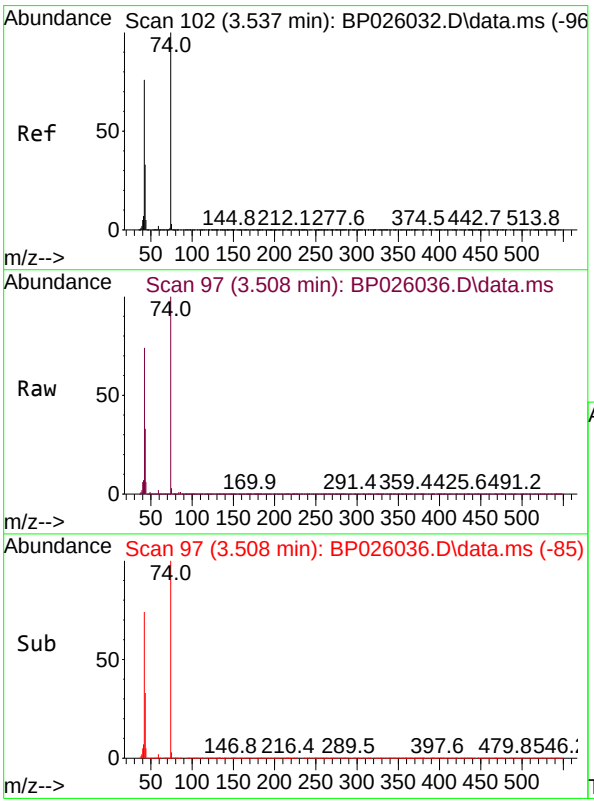
Tgt Ion: 79 Resp: 668959

Ion	Ratio	Lower	Upper
79	100		
52	79.0	62.0	93.0
51	38.4	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

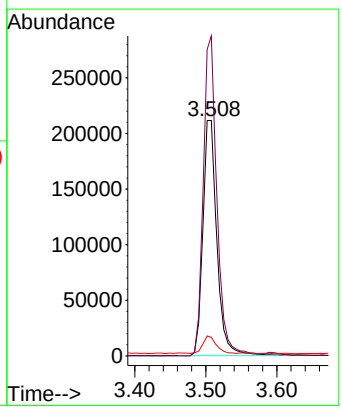


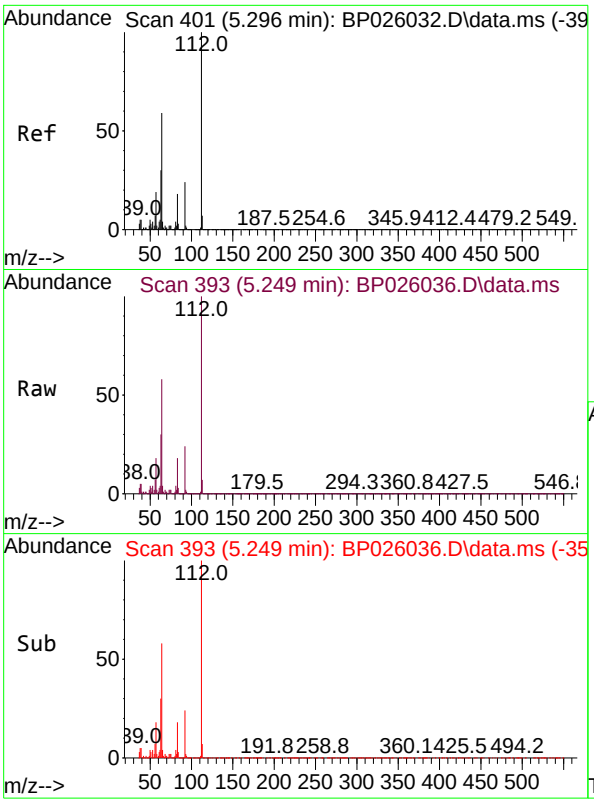


#4
n-Nitrosodimethylamine
Concen: 35.142 ng
RT: 3.508 min Scan# 97
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 42 Resp: 288399

Ion	Ratio	Lower	Upper
42	100		
74	135.9	105.7	158.5
44	8.0	6.6	9.8





#5
2-Fluorophenol
Concen: 68.429 ng
RT: 5.249 min Scan# 39
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:112 Resp: 1169189

Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.4	71.2
63	29.5	24.2	36.4

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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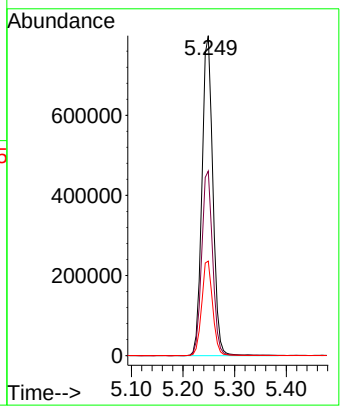
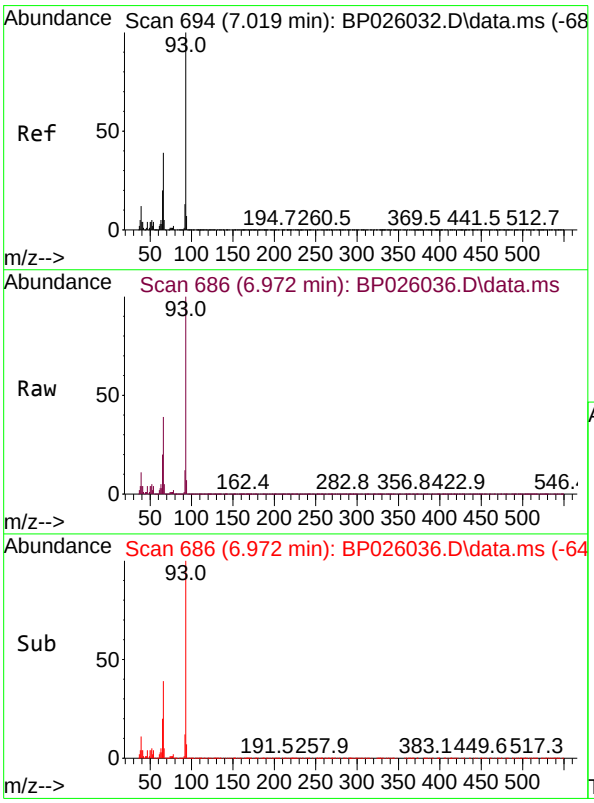
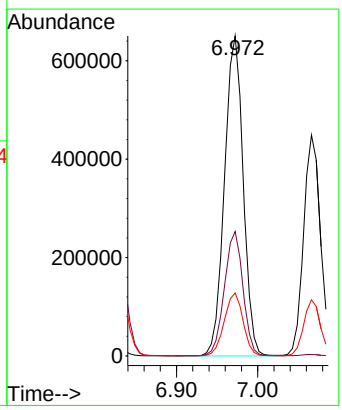


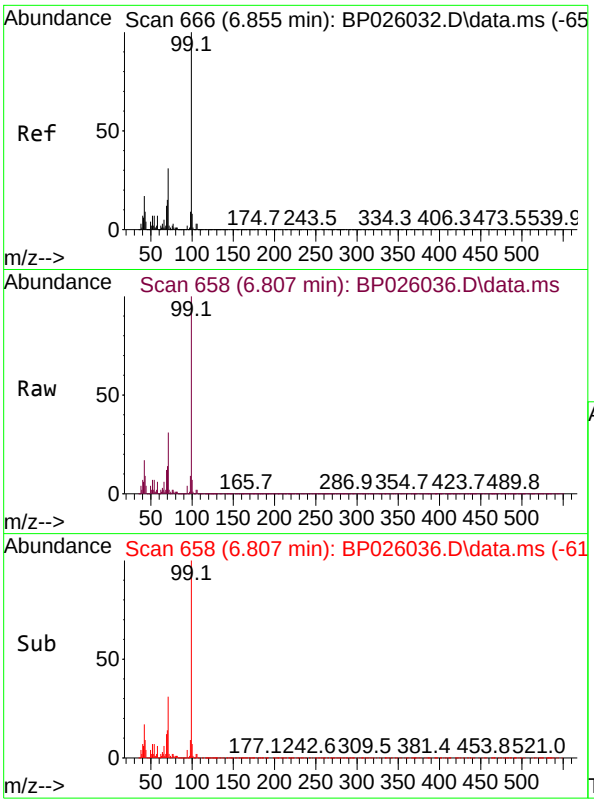


#6
Aniline
Concen: 35.839 ng
RT: 6.972 min Scan# 686
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 93 Resp: 1040197

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.2	46.8
65	19.7	16.1	24.1





#7
Phenol-d6
Concen: 68.090 ng
RT: 6.807 min Scan# 6
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 99 Resp: 148078

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.7	20.5
71	30.7	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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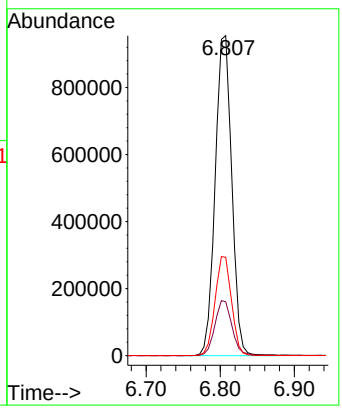
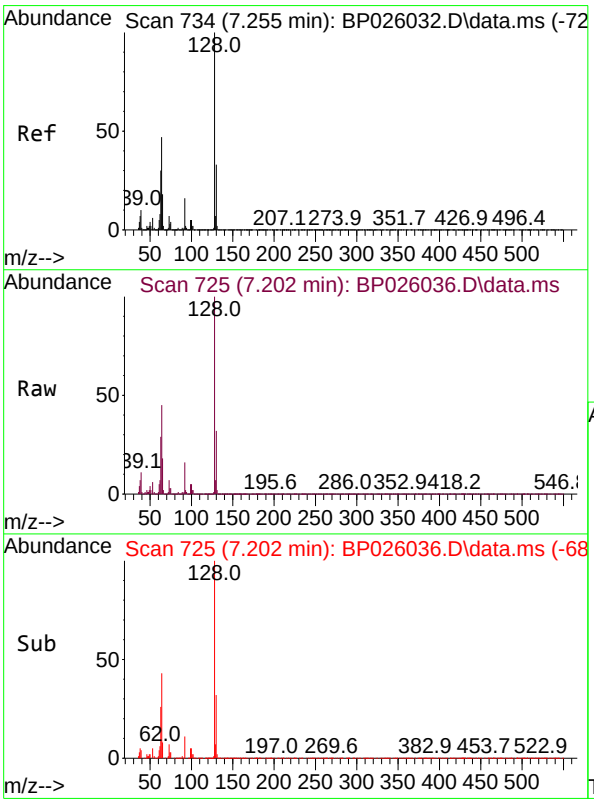
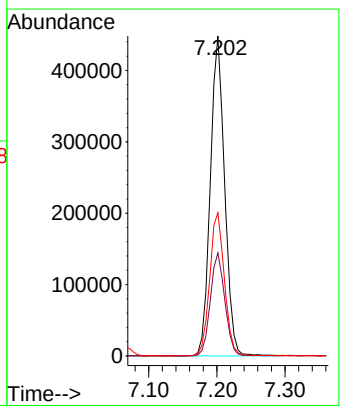


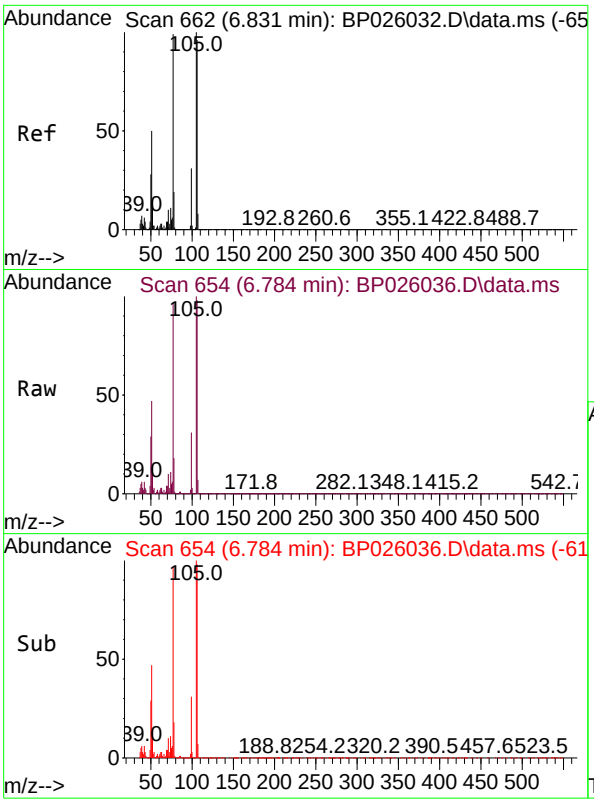


#8
2-Chlorophenol
Concen: 34.596 ng
RT: 7.202 min Scan# 725
Delta R.T. -0.053 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:128 Resp: 654572

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.7	52.7
64	44.7	27.4	67.4





#9
Benzaldehyde
Concen: 46.027 ng m
RT: 6.784 min Scan# 6
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 77 Resp: 52033

Ion	Ratio	Lower	Upper
77	100		
105	102.9	80.7	120.7
106	100.3	76.5	116.5

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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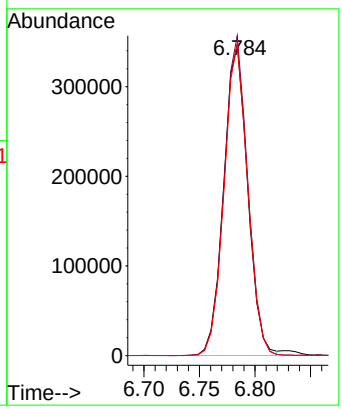
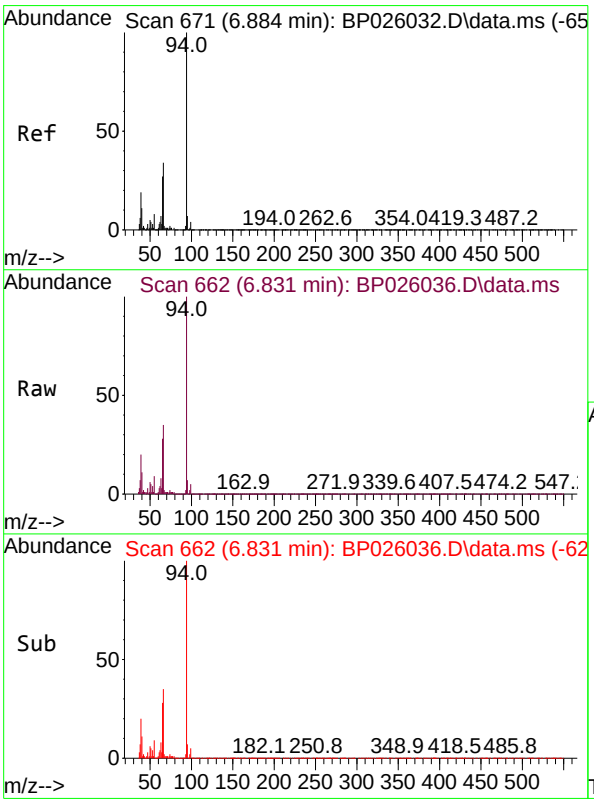
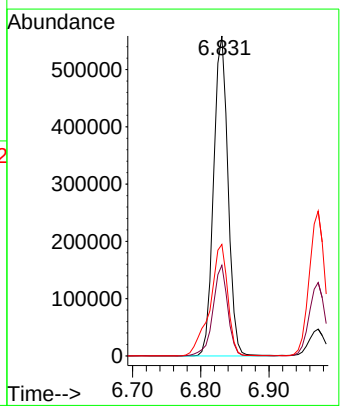


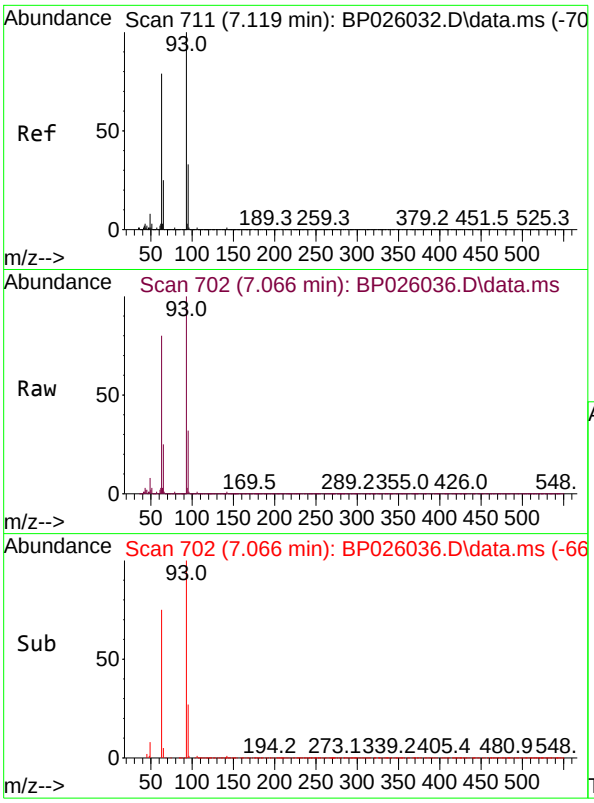


#10
Phenol
Concen: 33.813 ng
RT: 6.831 min Scan# 662
Delta R.T. -0.053 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 94 Resp: 816366

Ion	Ratio	Lower	Upper
94	100		
65	28.3	7.1	47.1
66	34.8	14.4	54.4





#11
bis(2-Chloroethyl)ether
Concen: 33.880 ng
RT: 7.066 min Scan# 7
Delta R.T. -0.053 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 93 Resp: 64553

Ion	Ratio	Lower	Upper
93	100		
63	79.5	59.1	99.1
95	32.0	12.6	52.6

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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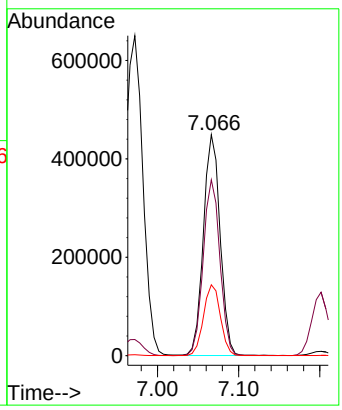
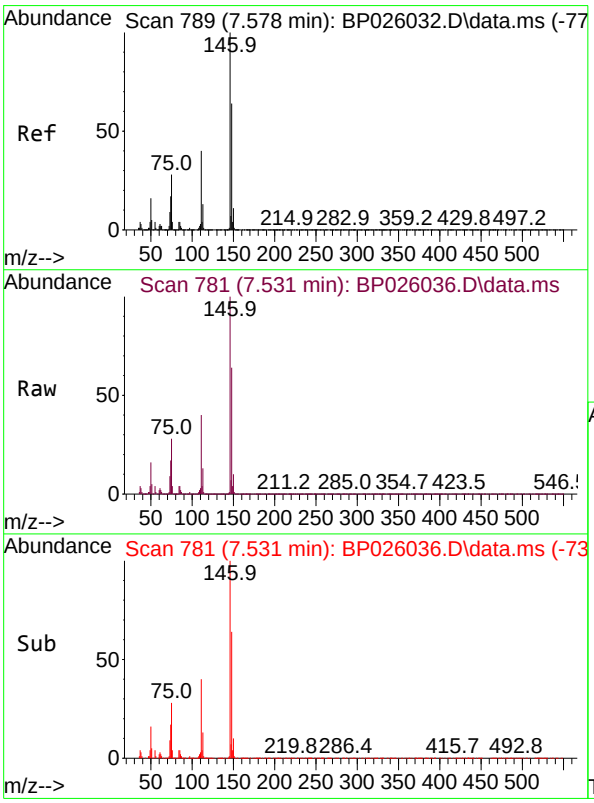
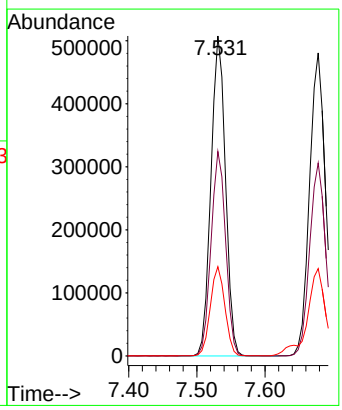


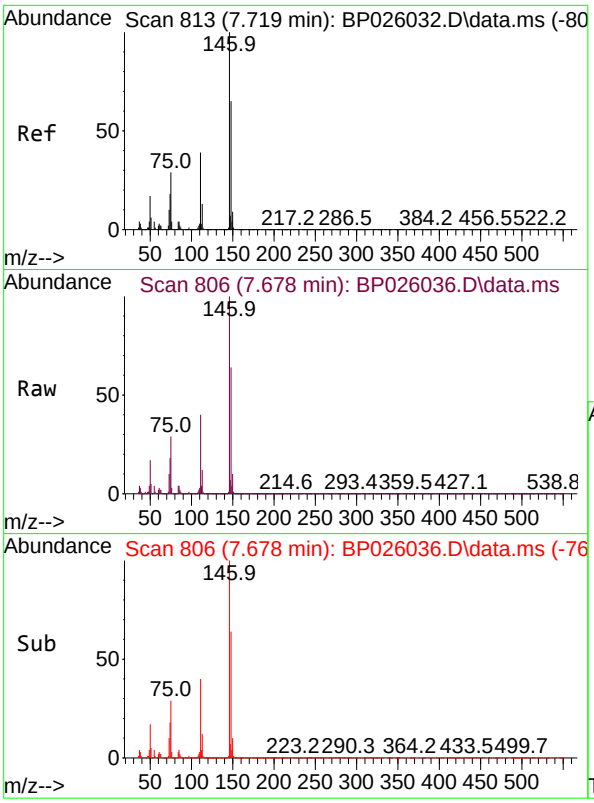


#12
1,3-Dichlorobenzene
Concen: 34.538 ng
RT: 7.531 min Scan# 781
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:146 Resp: 750462

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
75	27.9	22.6	33.8





#13
1,4-Dichlorobenzene
Concen: 35.099 ng
RT: 7.678 min Scan# 8
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:146 Resp: 77109

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.2	78.2
111	39.7	31.3	46.9

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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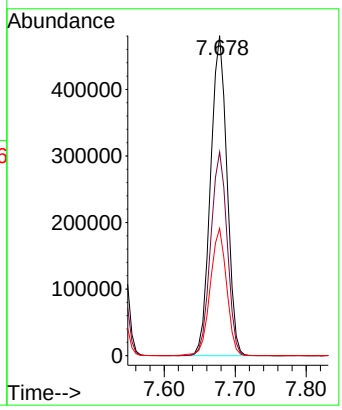
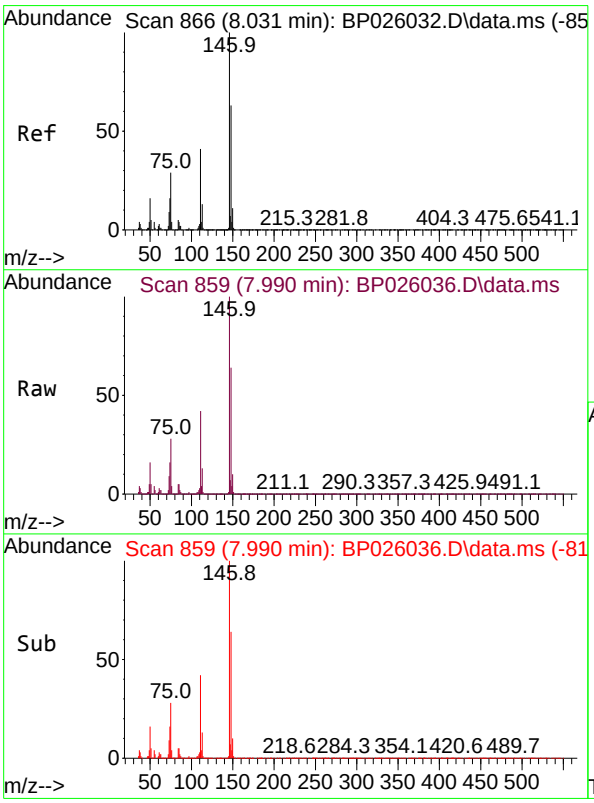
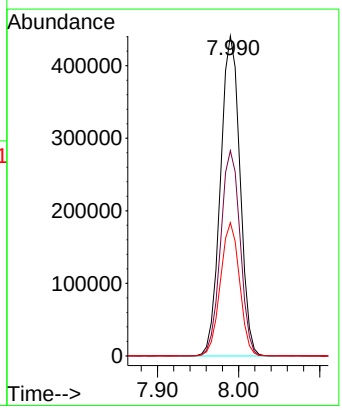


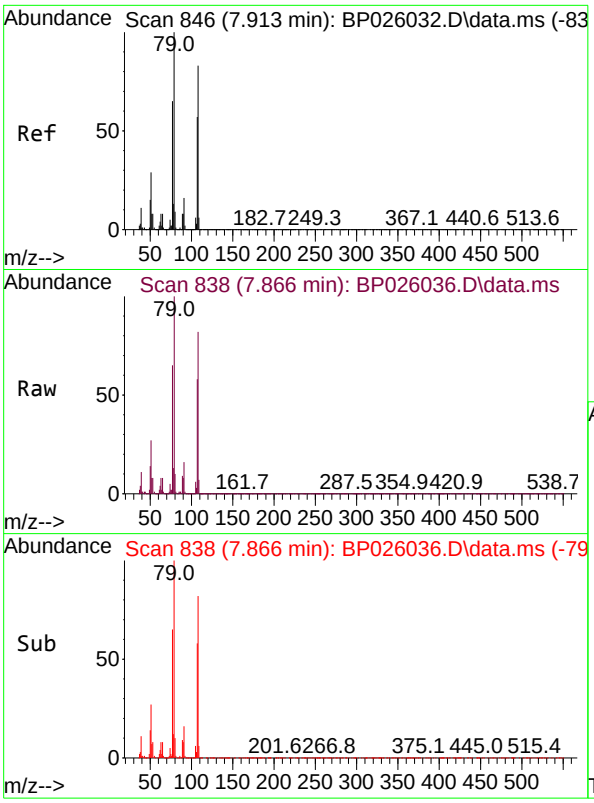


#14
1,2-Dichlorobenzene
Concen: 35.092 ng
RT: 7.990 min Scan# 859
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:146 Resp: 735657

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	41.6	33.0	49.4





#15
Benzyl Alcohol
Concen: 35.185 ng
RT: 7.866 min Scan# 8
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 79 Resp: 55162

Ion	Ratio	Lower	Upper
79	100		
108	81.9	66.0	99.0
77	65.3	52.3	78.5

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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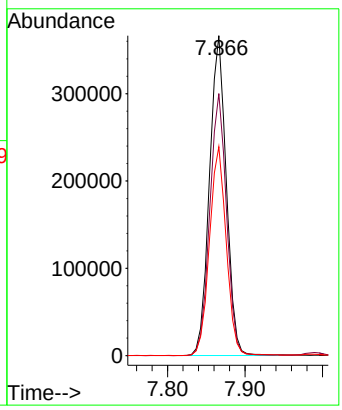
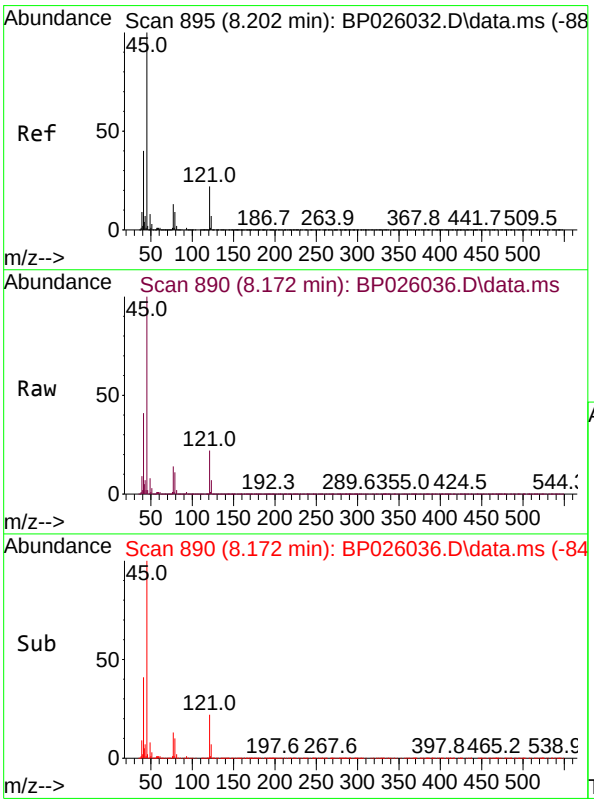
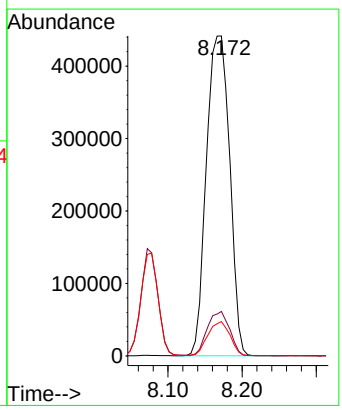


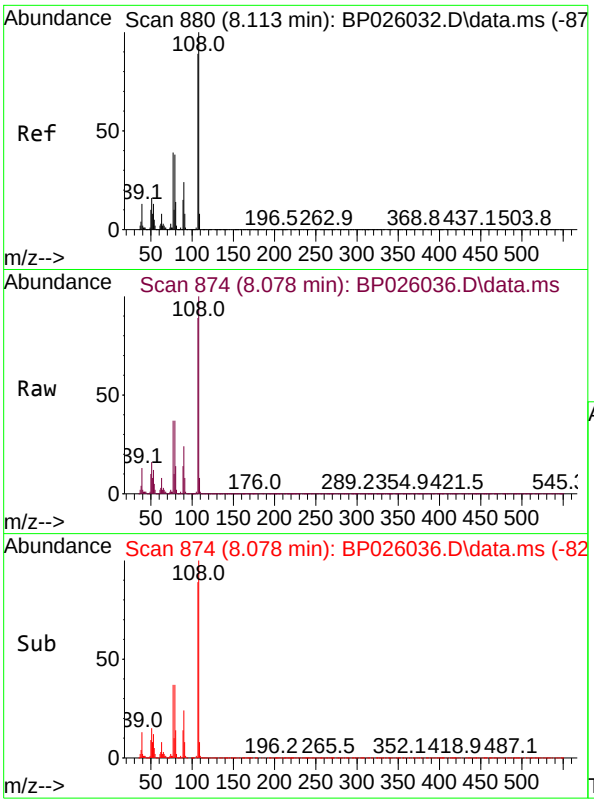


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.526 ng
RT: 8.172 min Scan# 890
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 45 Resp: 965445

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.2
79	10.7	0.0	29.5

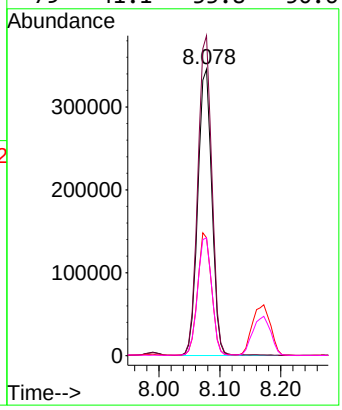




#17
2-Methylphenol
Concen: 34.998 ng
RT: 8.078 min Scan# 8
Delta R.T. -0.035 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:107 Resp: 55330

Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.8	134.8
77	41.1	34.8	52.2
79	41.1	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
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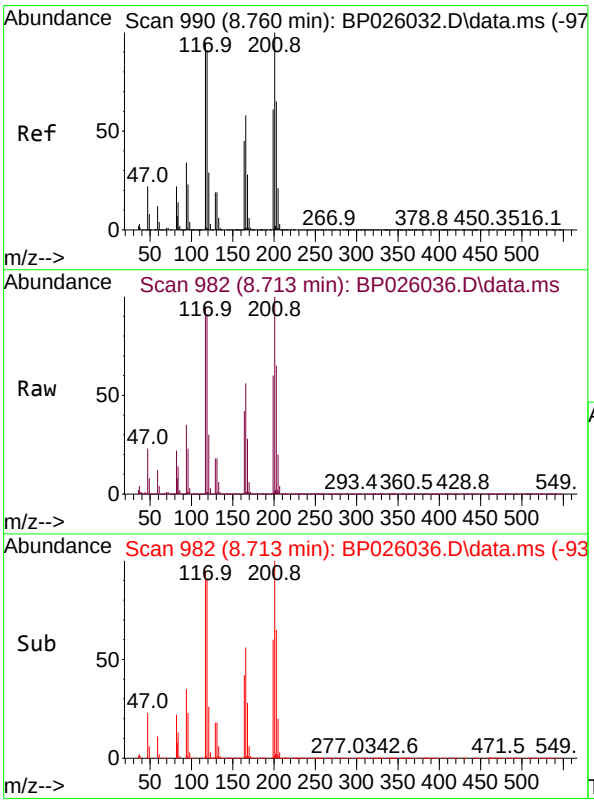
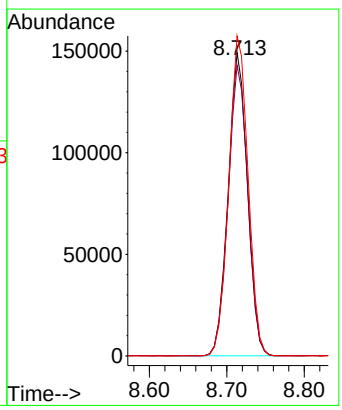
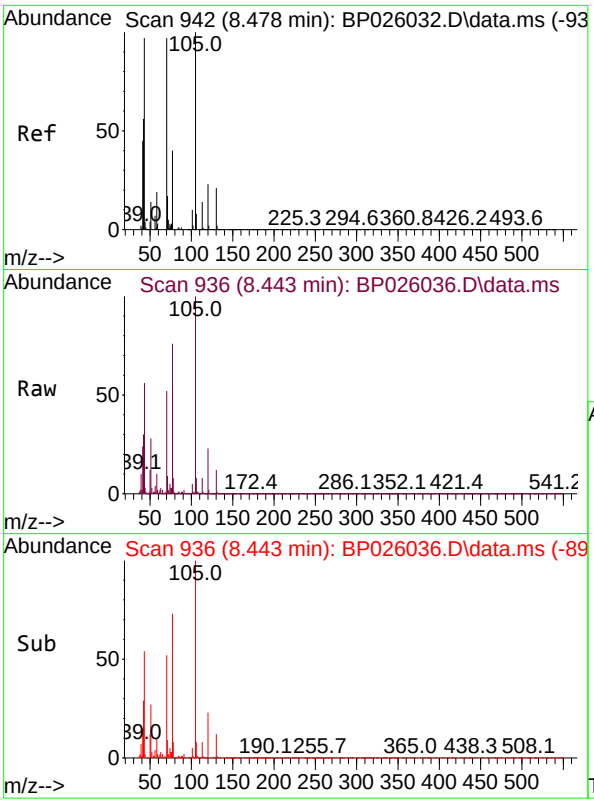


#18
Hexachloroethane
Concen: 34.560 ng
RT: 8.713 min Scan# 982
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:117 Resp: 259803

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.5	114.7
201	105.5	84.2	126.4

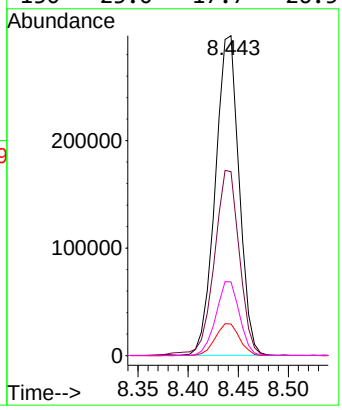




#19
n-Nitroso-di-n-propylamine
Concen: 36.340 ng
RT: 8.443 min Scan# 9
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 70 Resp: 49057

Ion	Ratio	Lower	Upper
70	100		
42	57.5	47.2	70.8
101	9.9	8.2	12.2
130	23.0	17.7	26.5



Instrument :
BNA_P
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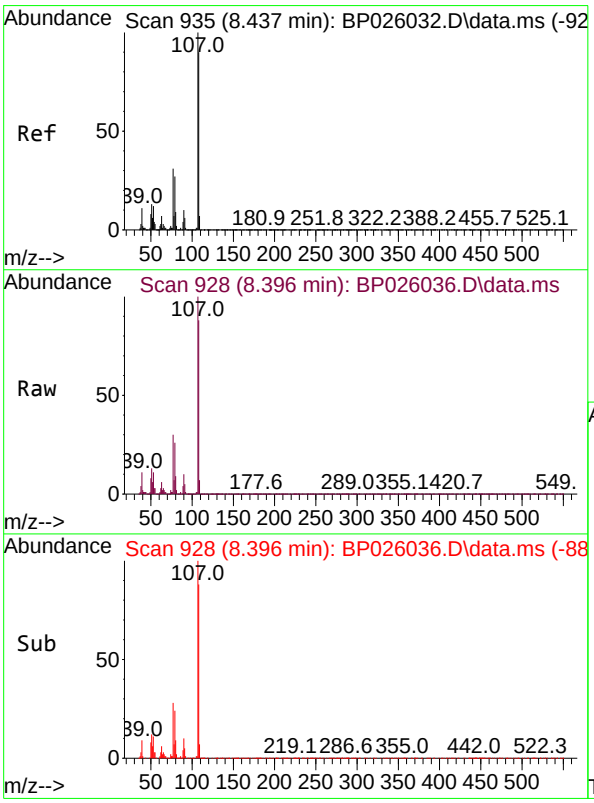
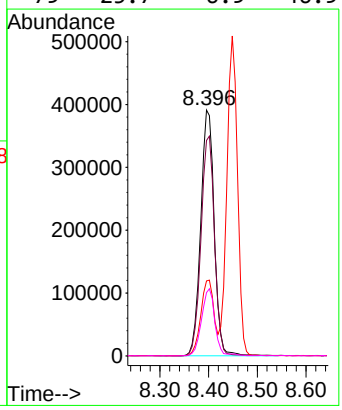
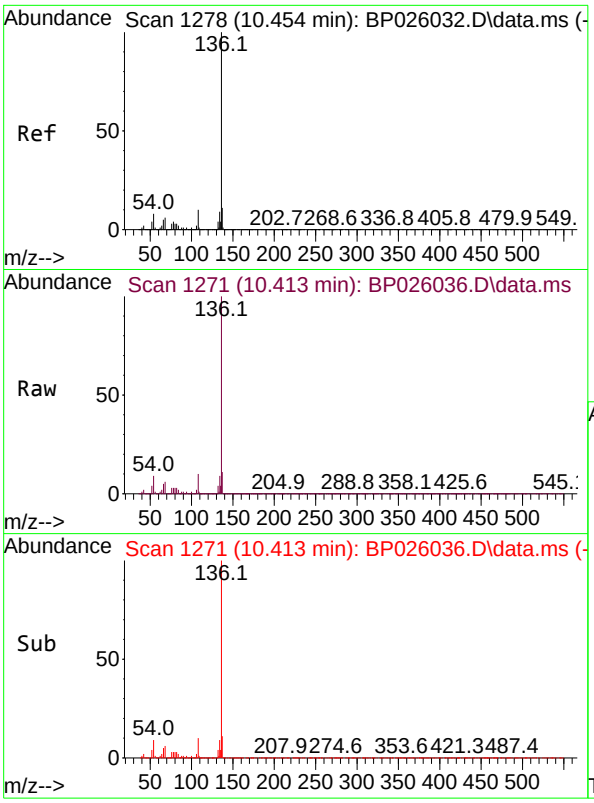


#20
3+4-Methylphenols
Concen: 34.245 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:107 Resp: 753178

Ion	Ratio	Lower	Upper
107	100		
108	87.6	70.1	110.1
77	30.5	10.7	50.7
79	25.7	6.9	46.9

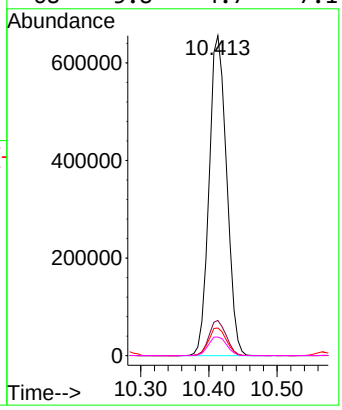




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.413 min Scan# 1
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:136 Resp: 116582

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	6.6	10.0
68	5.8	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
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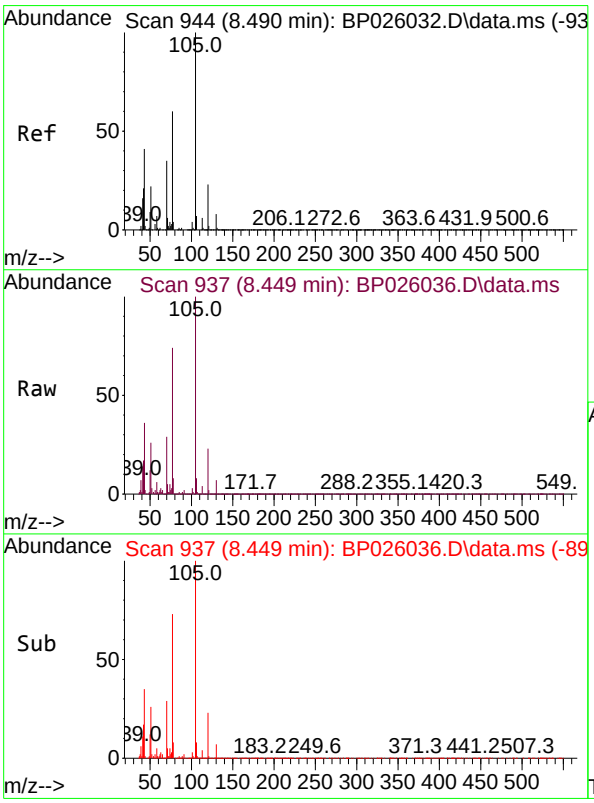
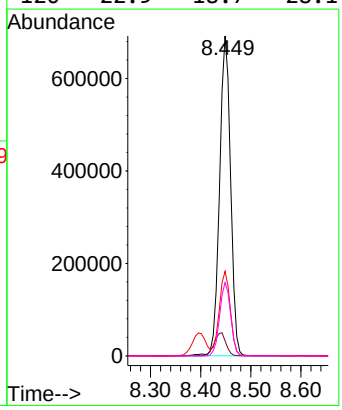
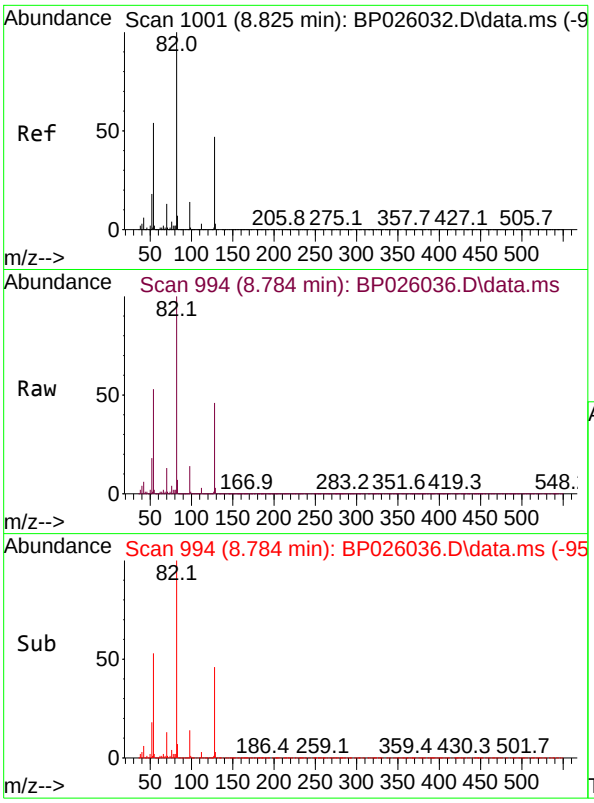


#22
Acetophenone
Concen: 35.756 ng
RT: 8.449 min Scan# 937
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:105 Resp: 1054241

Ion	Ratio	Lower	Upper
105	100		
71	4.7	4.7	7.1#
51	26.4	21.8	32.8
120	22.9	18.7	28.1





#23
Nitrobenzene-d5
Concen: 68.652 ng
RT: 8.784 min Scan# 9
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 82 Resp: 128388

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.4	56.0
54	53.2	42.7	64.1

Instrument :
BNA_P
ClientSampleId :
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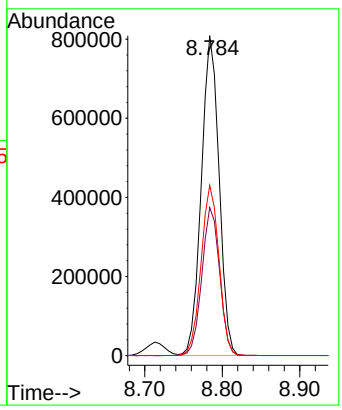
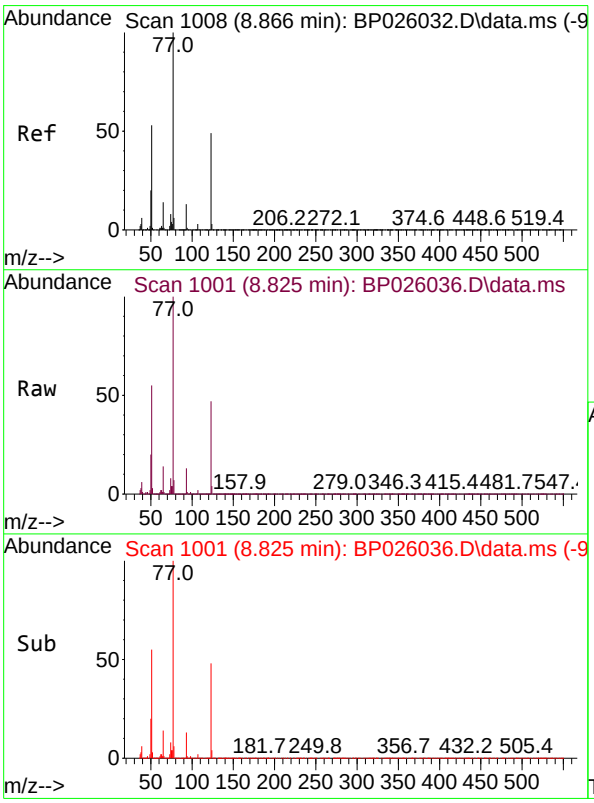
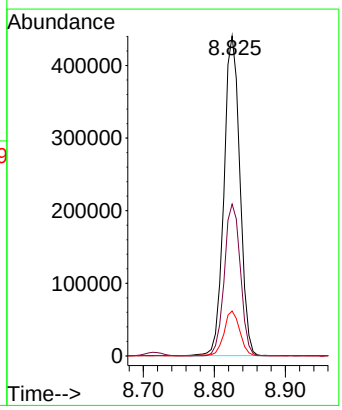


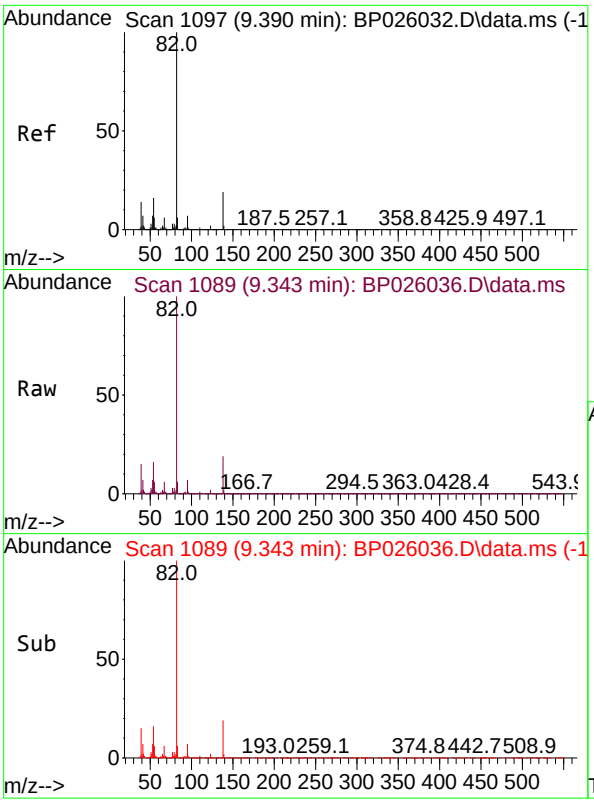


#24
Nitrobenzene
Concen: 34.825 ng
RT: 8.825 min Scan# 1001
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 77 Resp: 687636

Ion	Ratio	Lower	Upper
77	100		
123	47.5	39.0	58.4
65	14.0	10.9	16.3





#25
Isophorone
Concen: 35.069 ng
RT: 9.343 min Scan# 1
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 82 Resp: 140374

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.8	8.6
138	18.8	15.0	22.6

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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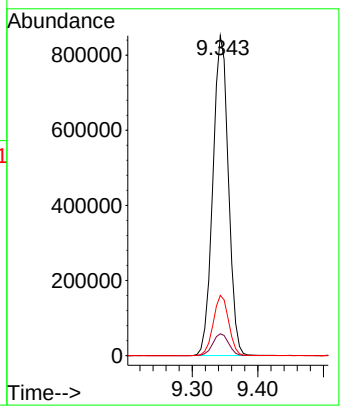
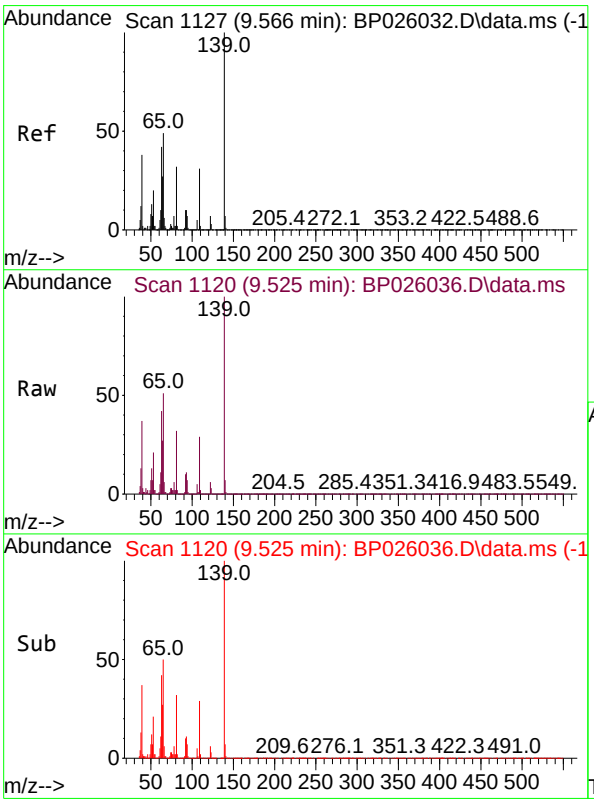
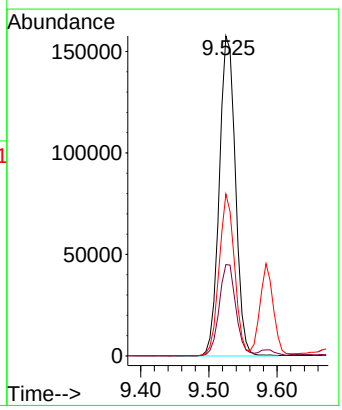


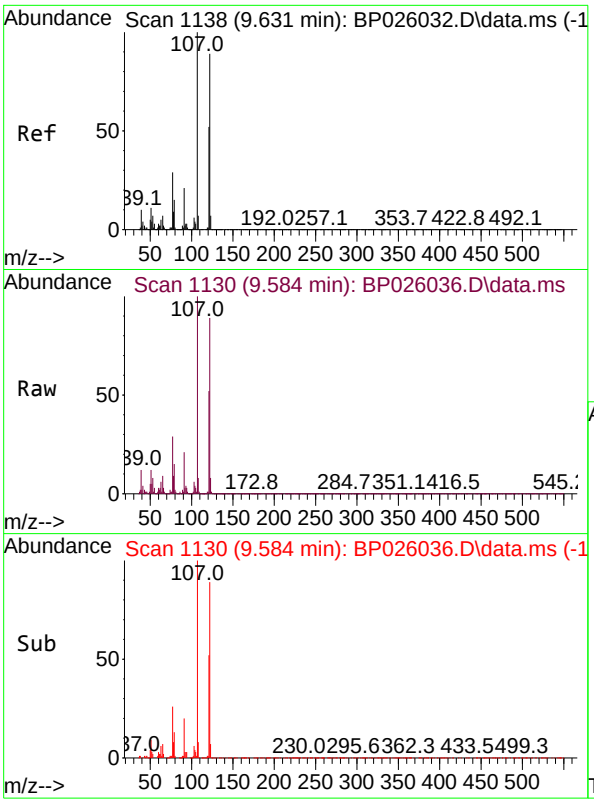


#26
2-Nitrophenol
Concen: 36.106 ng
RT: 9.525 min Scan# 1120
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:139 Resp: 257308

Ion	Ratio	Lower	Upper
139	100		
109	28.5	24.8	37.2
65	50.6	39.0	58.4





#27
2,4-Dimethylphenol
Concen: 37.573 ng
RT: 9.584 min Scan# 1
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:122 Resp: 63245

Ion	Ratio	Lower	Upper
122	100		
107	112.9	89.2	133.8
121	58.7	46.3	69.5

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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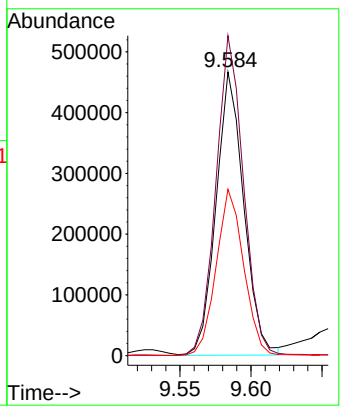
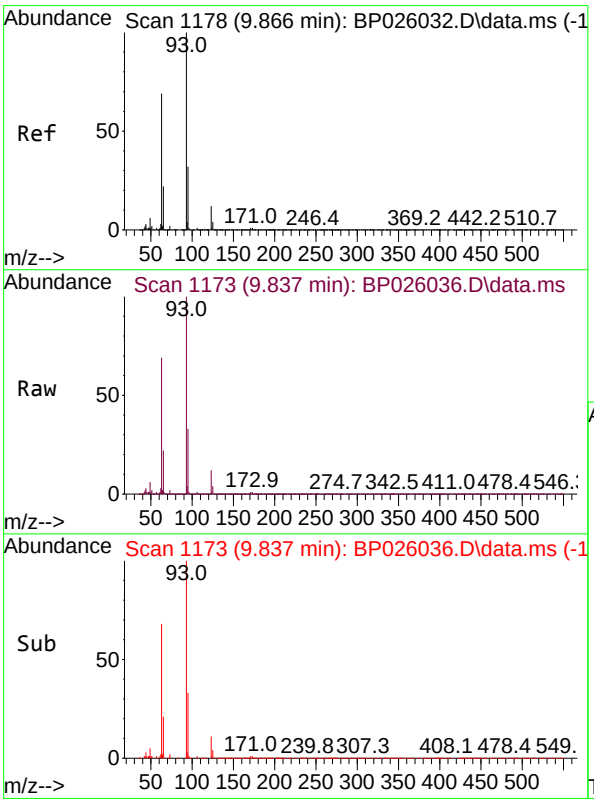
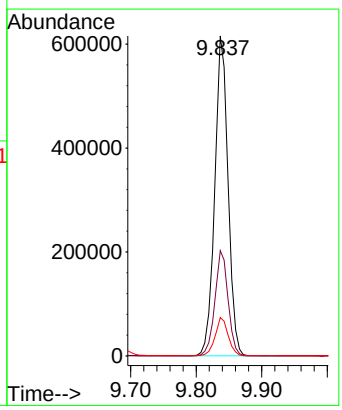


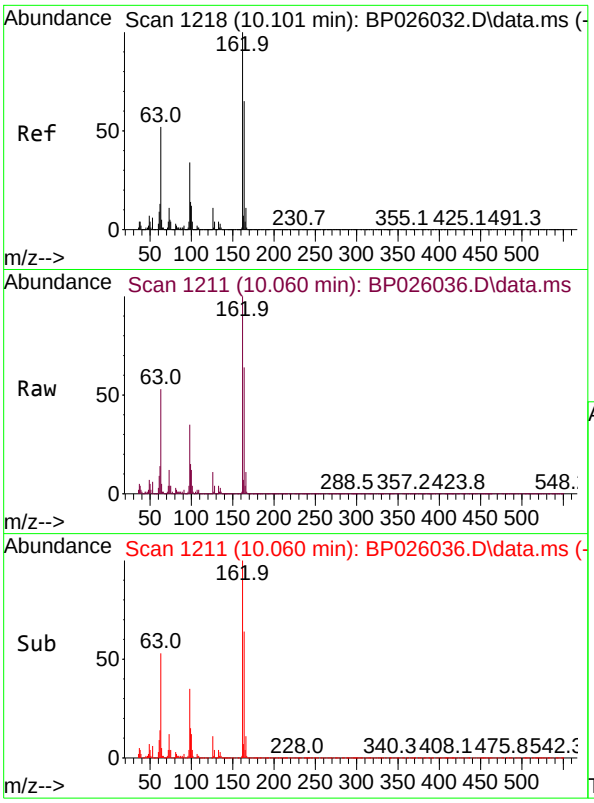


#28
bis(2-Chloroethoxy)methane
Concen: 34.454 ng
RT: 9.837 min Scan# 1173
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 93 Resp: 869155

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.8	38.6
123	12.0	9.3	13.9





#29
2,4-Dichlorophenol
Concen: 34.599 ng
RT: 10.060 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:162 Resp: 614929

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.6	84.6
98	34.8	14.0	54.0

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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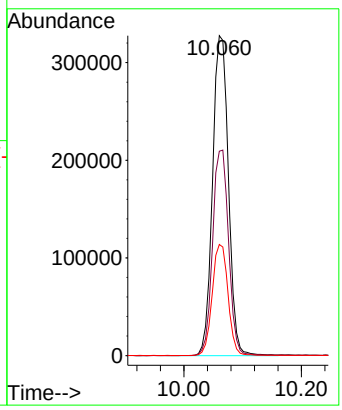
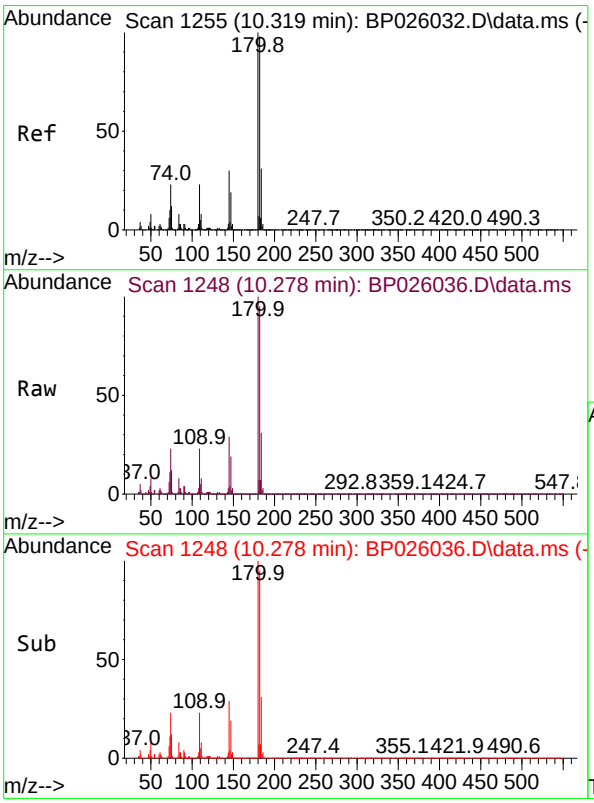
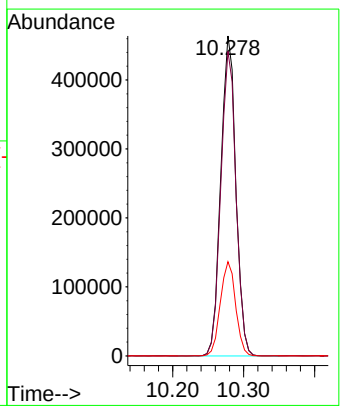


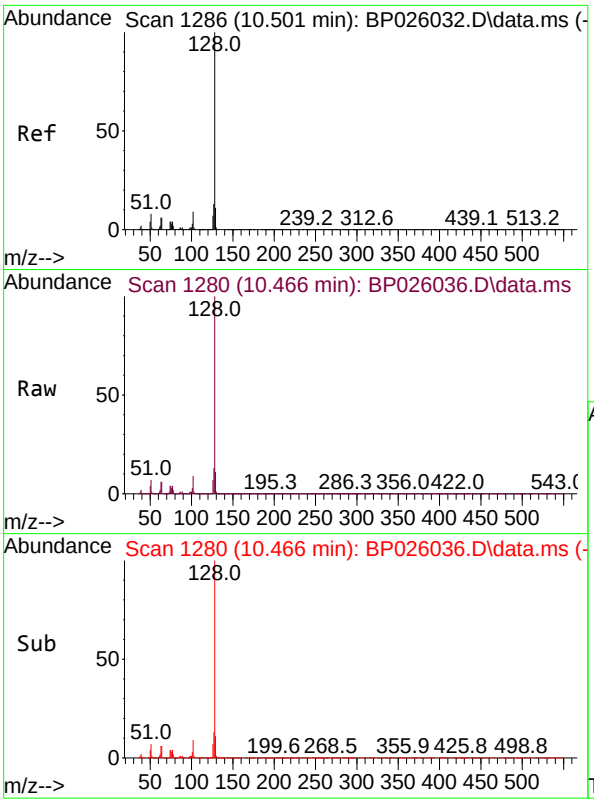


#30
1,2,4-Trichlorobenzene
Concen: 35.441 ng
RT: 10.278 min Scan# 1248
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:180 Resp: 684636

Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.6	117.8
145	29.4	24.2	36.4





#31
Naphthalene
Concen: 33.888 ng
RT: 10.466 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:128 Resp: 215443

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.2	10.5	15.7

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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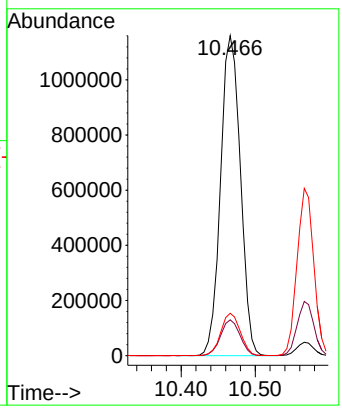
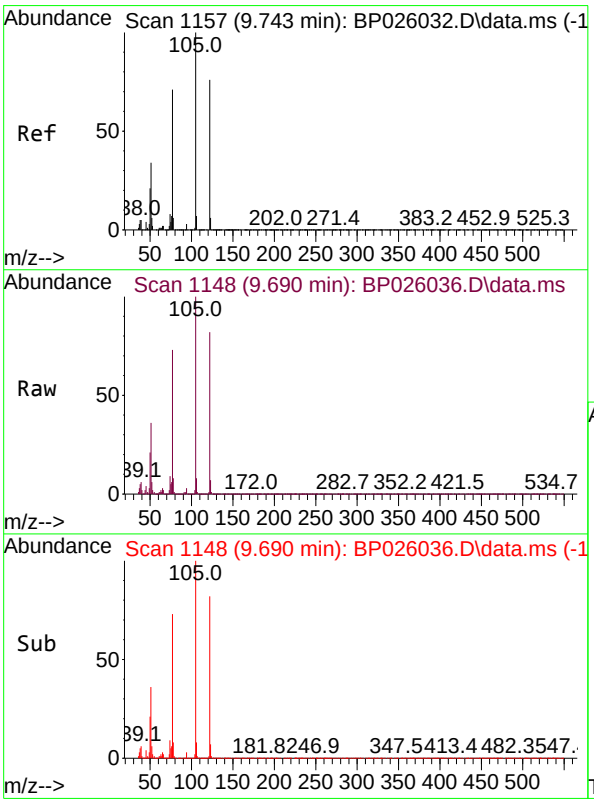
Supervised By :Jagrut Upadhyay 11/04/2025

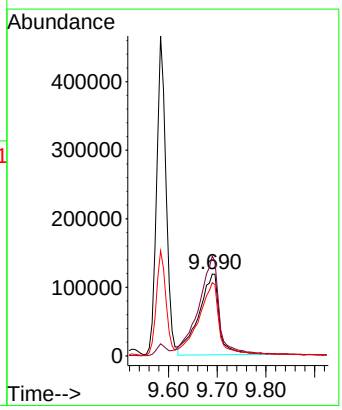


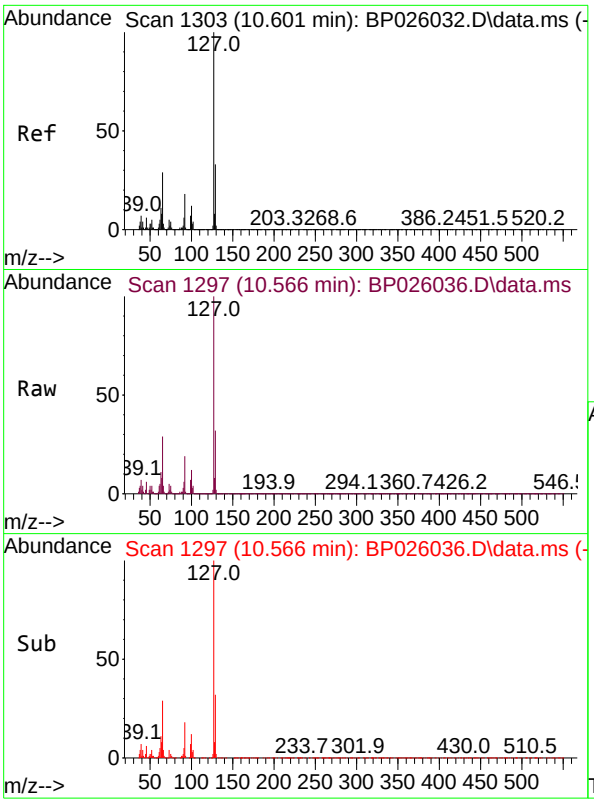


#32
Benzoic acid
Concen: 37.646 ng
RT: 9.690 min Scan# 1148
Delta R.T. -0.088 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:122 Resp: 351760

Ion	Ratio	Lower	Upper
122	100		
105	121.9	104.8	144.8
77	89.5	70.9	110.9





#33
4-Chloroaniline
Concen: 38.877 ng
RT: 10.566 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:127 Resp: 94977

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	28.7	23.2	34.8
92	18.6	14.5	21.7

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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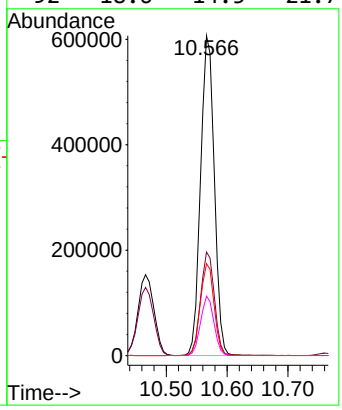
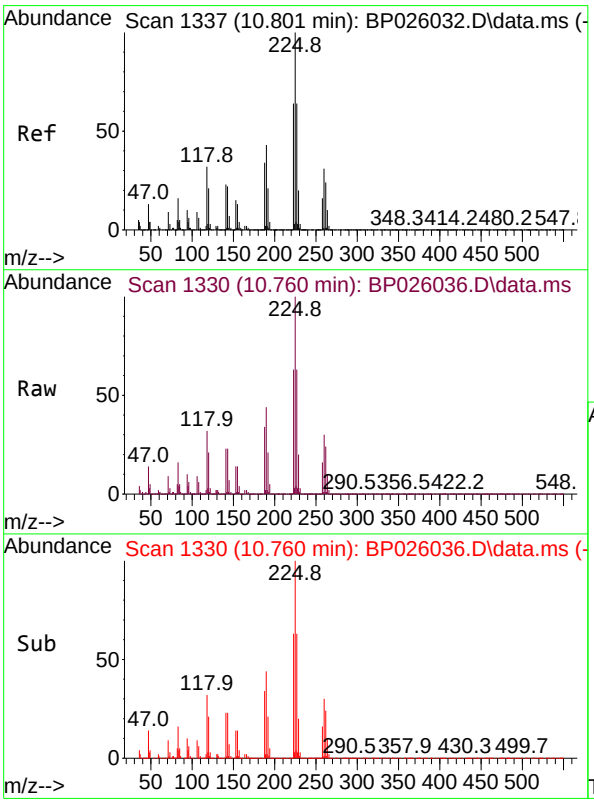
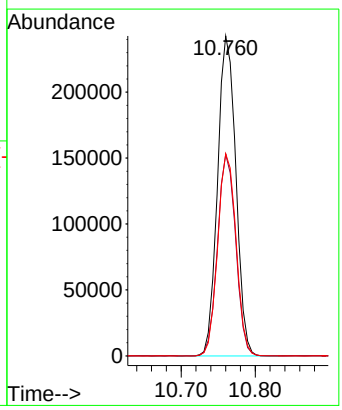


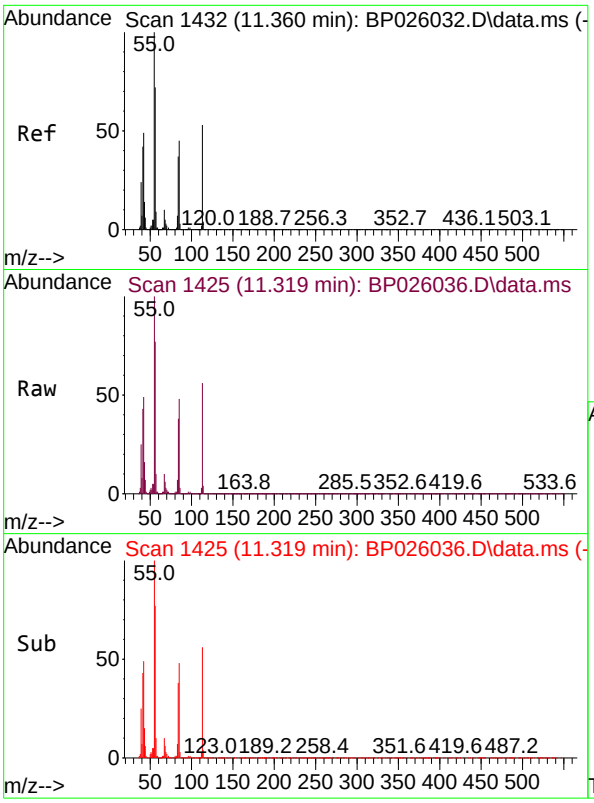


#34
Hexachlorobutadiene
Concen: 33.876 ng
RT: 10.760 min Scan# 1330
Delta R.T. -0.035 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:225 Resp: 415865

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.9	76.3
227	63.2	51.0	76.4





#35
Caprolactam
Concen: 34.833 ng
RT: 11.319 min Scan# 14
Delta R.T. -0.065 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:113 Resp: 21740

Ion	Ratio	Lower	Upper
113	100		
55	179.2	169.9	209.9
56	137.4	116.7	156.7

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
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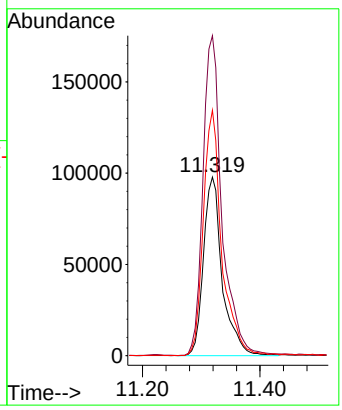
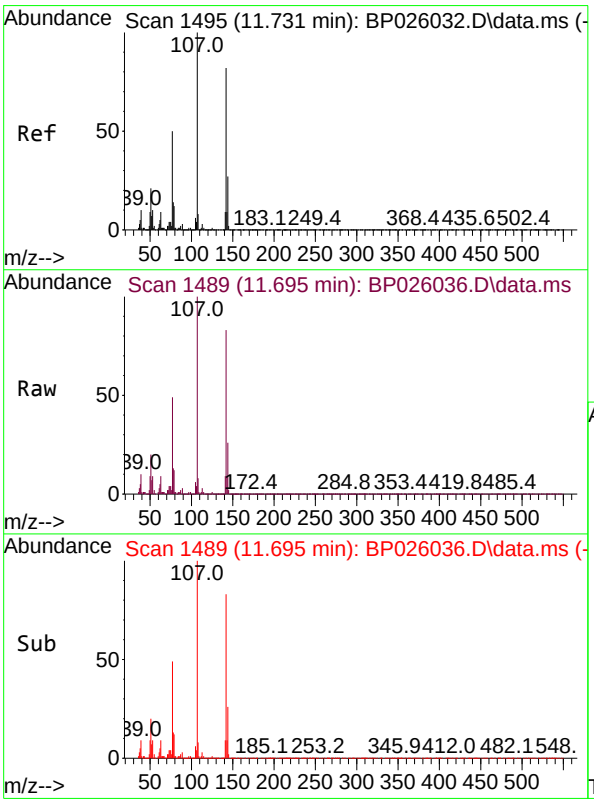
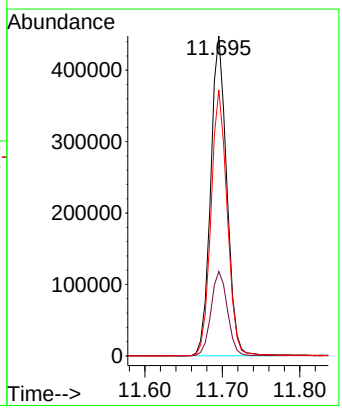


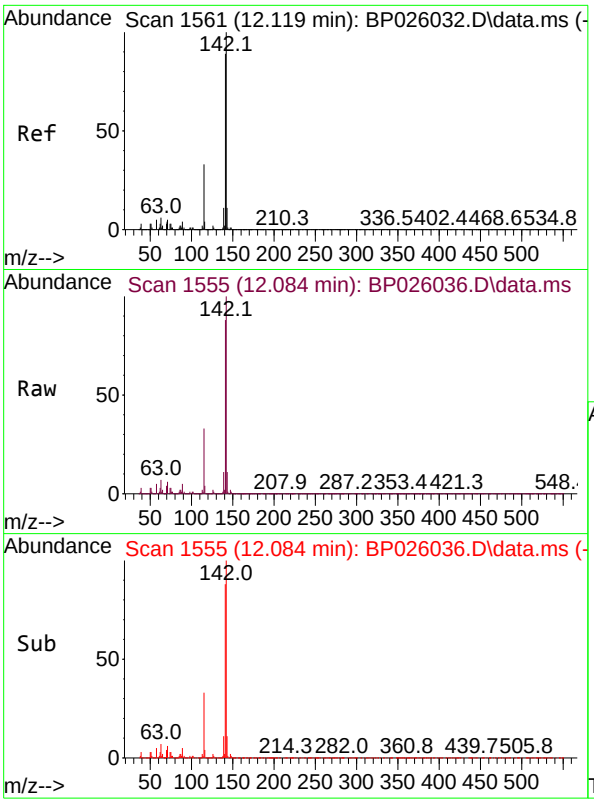


#36
4-Chloro-3-methylphenol
Concen: 34.690 ng
RT: 11.695 min Scan# 1489
Delta R.T. -0.035 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:107 Resp: 646328

Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.3	31.9
142	83.1	65.2	97.8





#37
2-Methylnaphthalene
Concen: 30.988 ng
RT: 12.084 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:142 Resp: 1378858

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.6	107.4
115	33.2	26.6	39.8

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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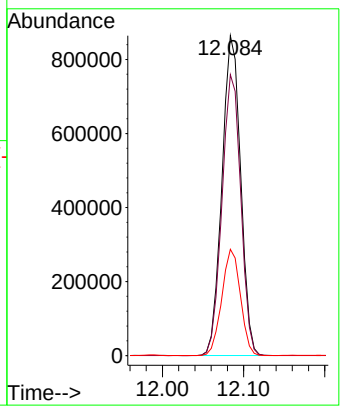
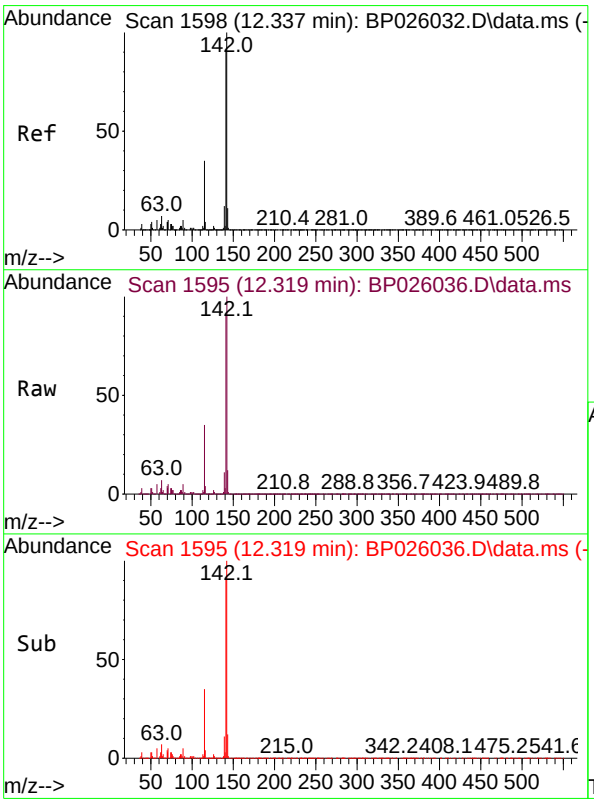
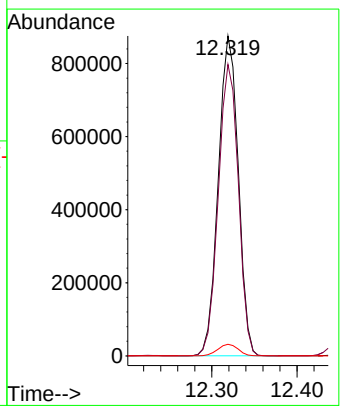


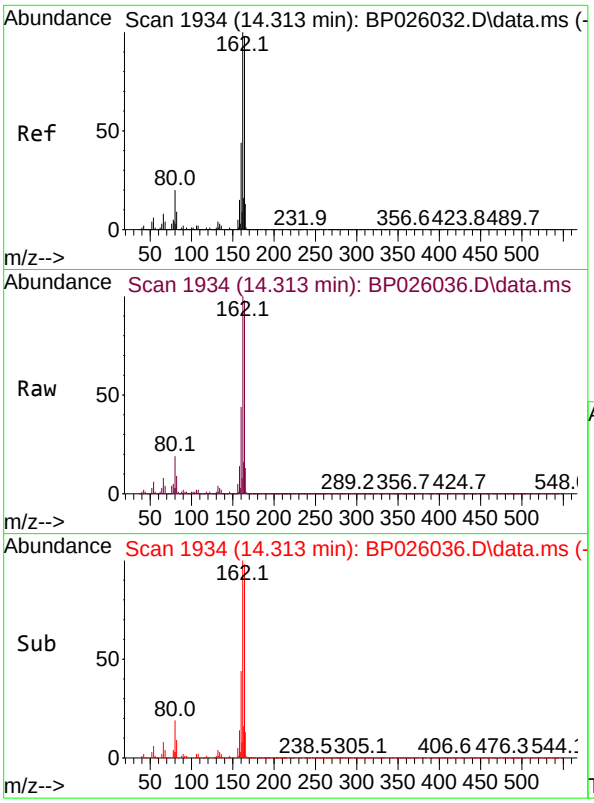


#38
1-Methylnaphthalene
Concen: 32.934 ng
RT: 12.319 min Scan# 1595
Delta R.T. -0.017 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:142 Resp: 1423665

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.7	109.1
116	3.6	2.9	4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:164 Resp: 734180

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.5	122.3
160	44.8	36.2	54.4

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
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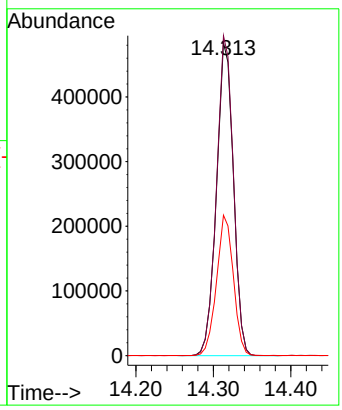
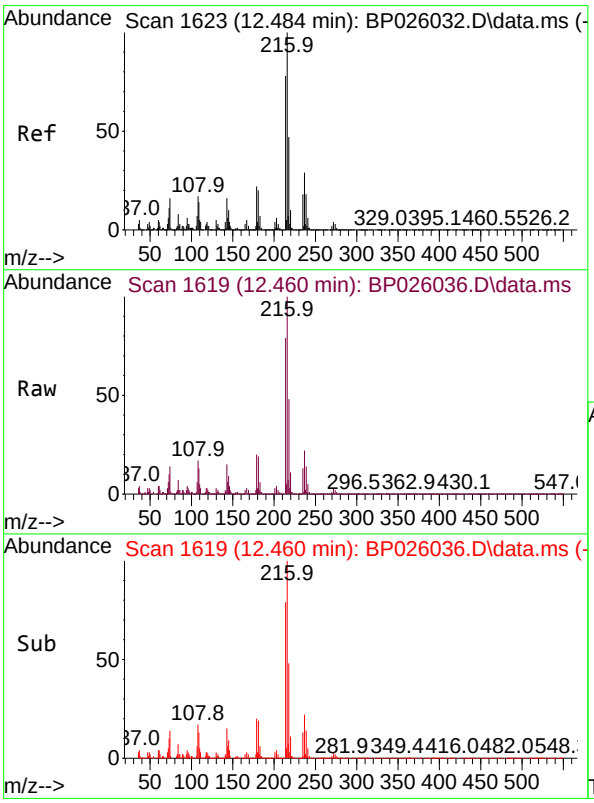
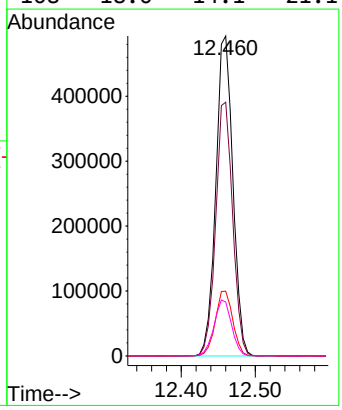


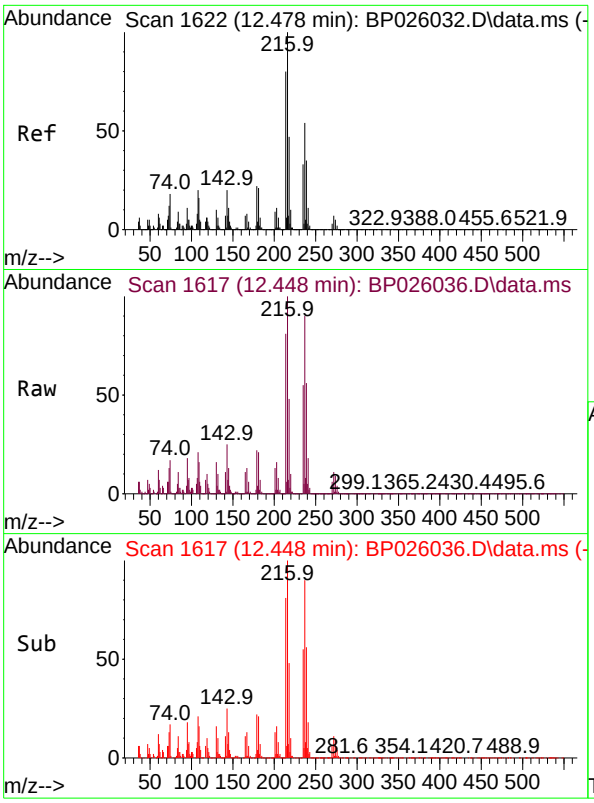


#40
1,2,4,5-Tetrachlorobenzene
Concen: 34.481 ng
RT: 12.460 min Scan# 1619
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:216 Resp: 786568

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.9	94.3
179	20.7	16.9	25.3
108	18.0	14.1	21.1





#41
Hexachlorocyclopentadiene
Concen: 47.197 ng
RT: 12.448 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:237 Resp: 39392

Ion	Ratio	Lower	Upper
237	100		
235	61.3	40.4	80.4
272	12.5	0.0	32.2

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
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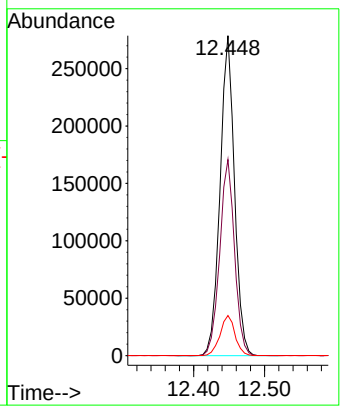
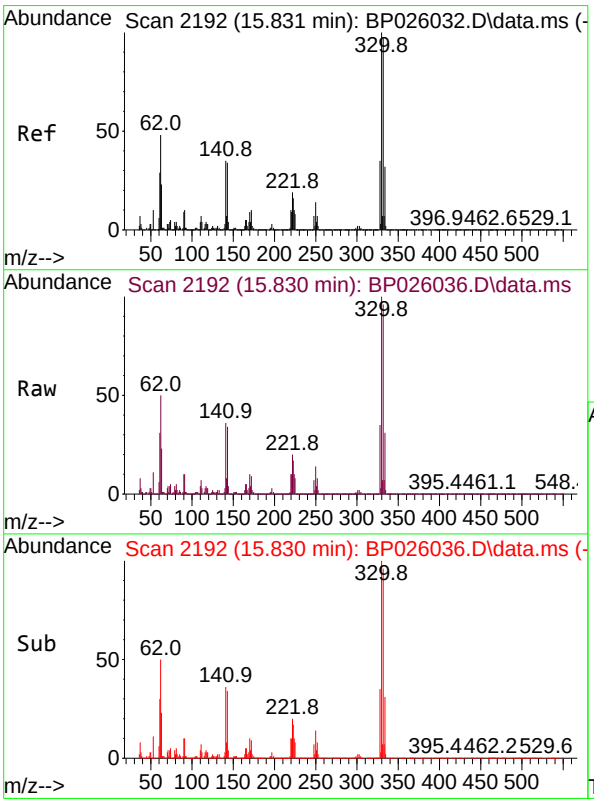
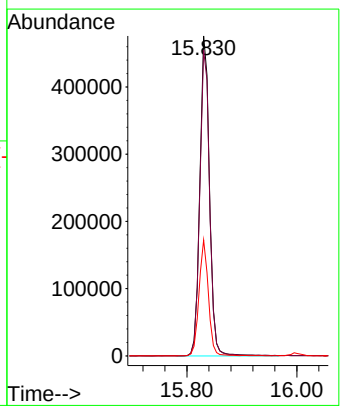


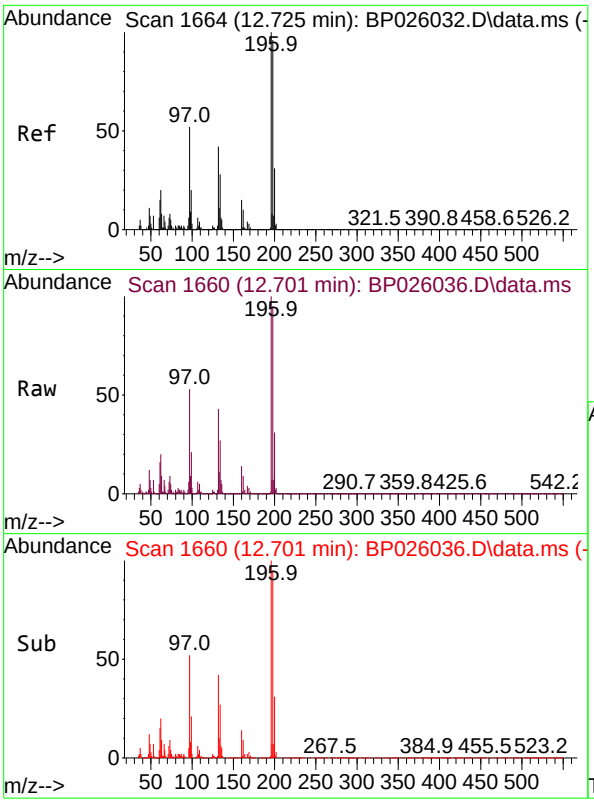


#42
2,4,6-Tribromophenol
Concen: 72.809 ng
RT: 15.830 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:330 Resp: 577899

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	35.1	28.6	42.8





#43
2,4,6-Trichlorophenol
Concen: 36.282 ng
RT: 12.701 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:196 Resp: 48921

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.5	114.7
200	30.8	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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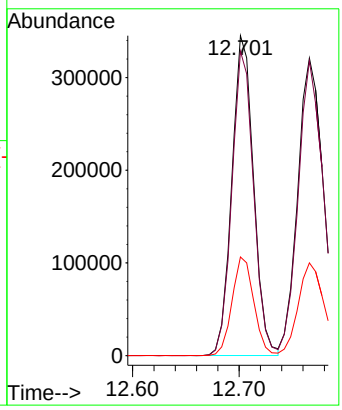
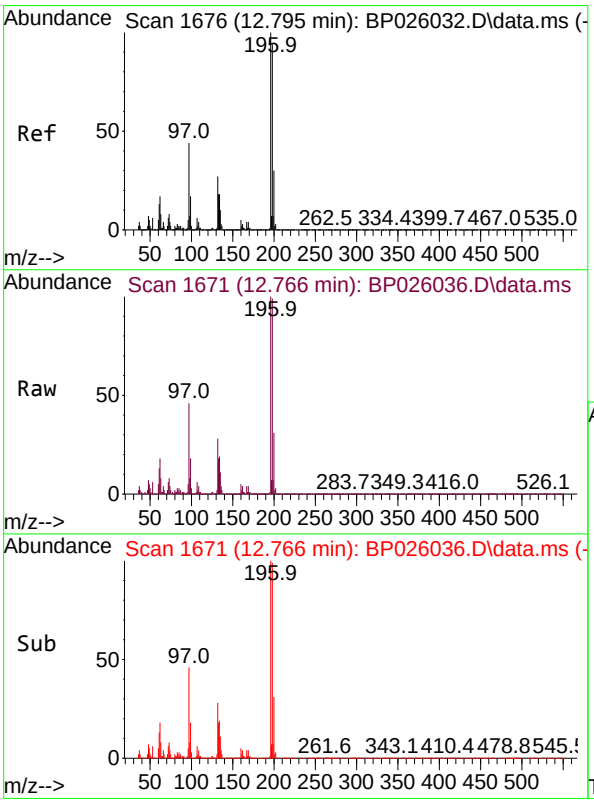
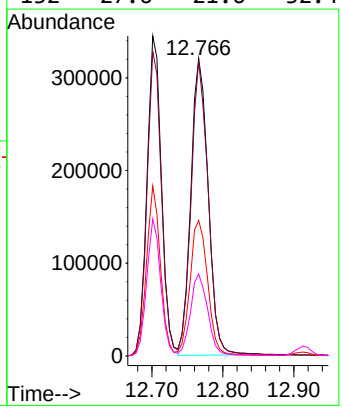


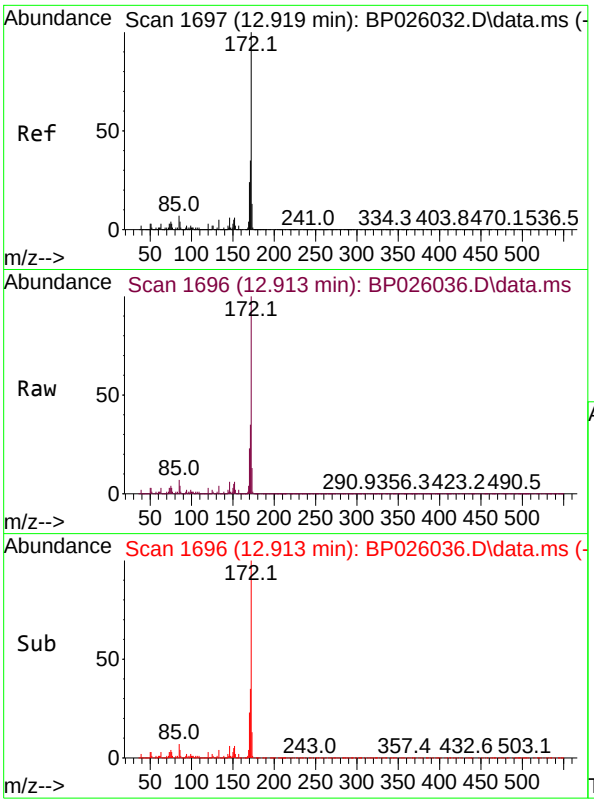


#44
2,4,5-Trichlorophenol
Concen: 35.326 ng
RT: 12.766 min Scan# 1671
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:196 Resp: 543516

Ion	Ratio	Lower	Upper
196	100		
198	99.1	75.1	112.7
97	45.5	35.5	53.3
132	27.6	21.6	32.4





#45
2-Fluorobiphenyl
Concen: 67.037 ng
RT: 12.913 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:172 Resp: 342517

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.9	41.9
170	23.0	19.0	28.4

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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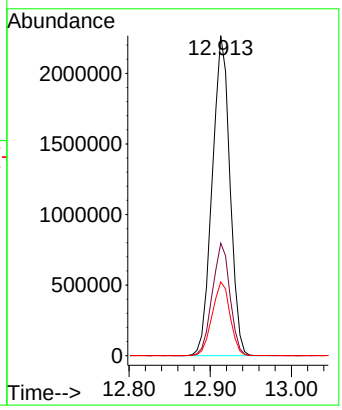
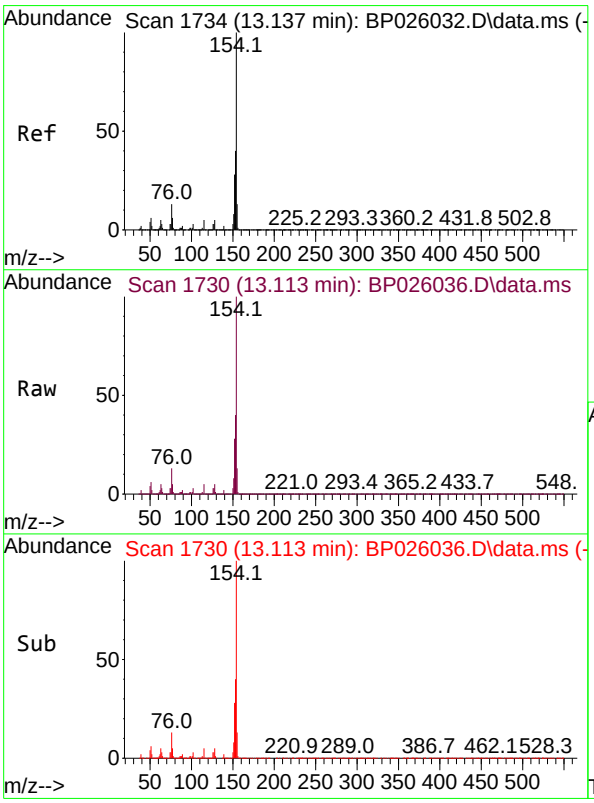
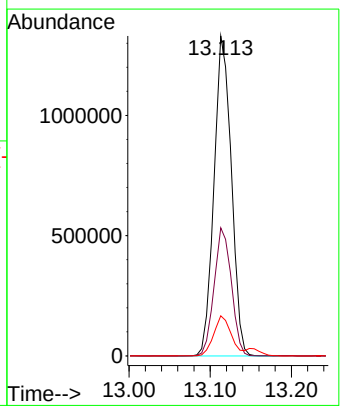


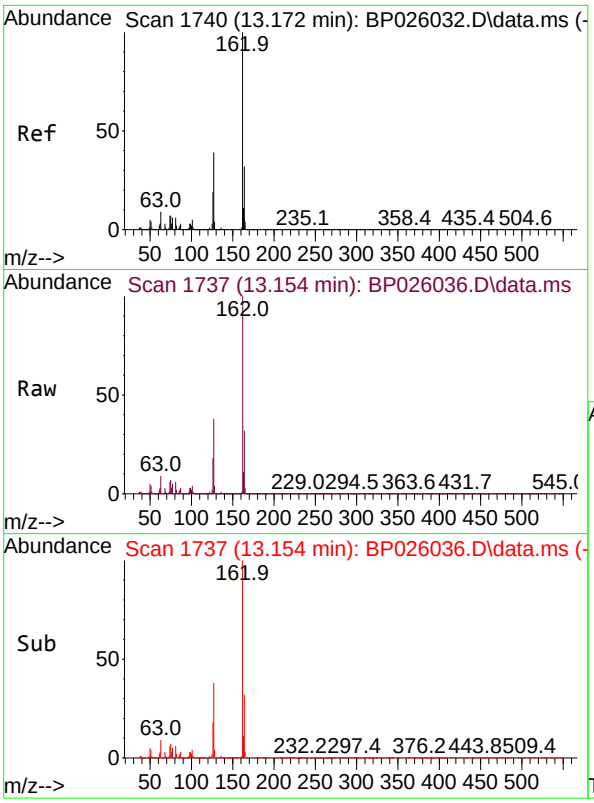


#46
1,1'-Biphenyl
Concen: 35.073 ng
RT: 13.113 min Scan# 1730
Delta R.T. -0.023 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:154 Resp: 1971667

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.2	60.2
76	12.5	0.0	32.8





#47
2-Chloronaphthalene
Concen: 33.277 ng
RT: 13.154 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:162 Resp: 147187

Ion	Ratio	Lower	Upper
162	100		
127	37.6	31.4	47.2
164	32.4	25.9	38.9

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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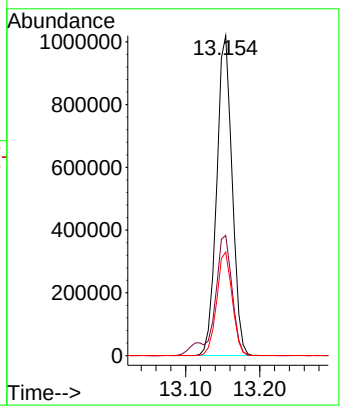
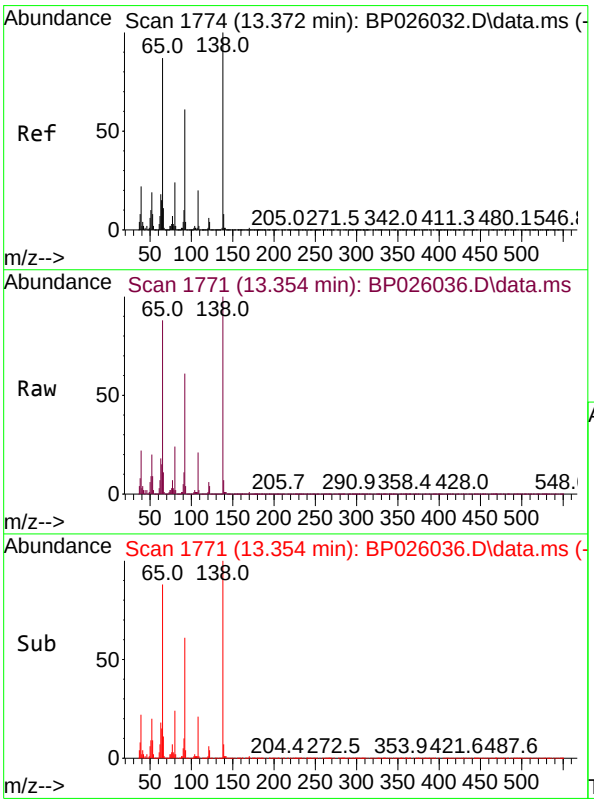
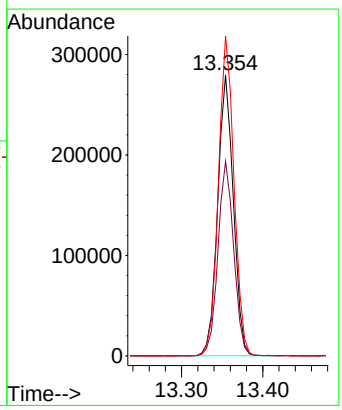


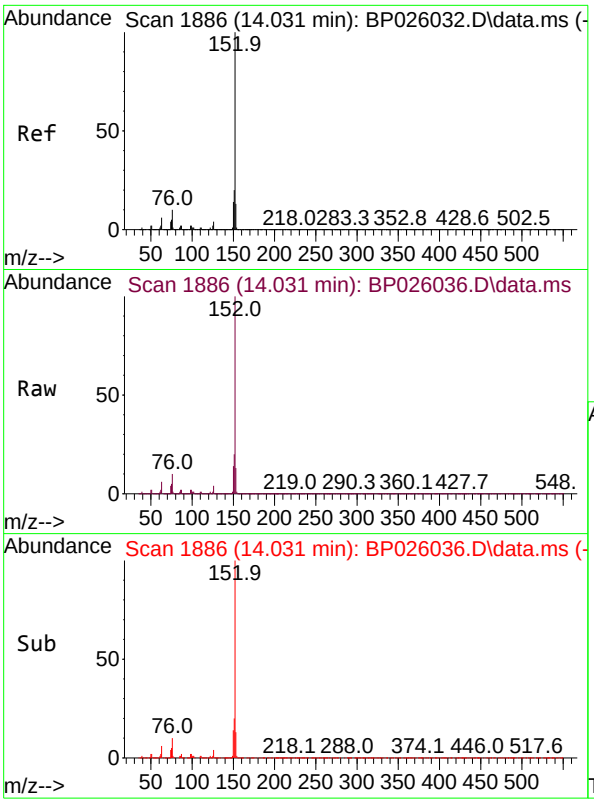


#48
2-Nitroaniline
Concen: 33.821 ng
RT: 13.354 min Scan# 1771
Delta R.T. -0.024 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 65 Resp: 374554

Ion	Ratio	Lower	Upper
65	100		
92	69.2	55.5	83.3
138	113.8	91.7	137.5





#49
Acenaphthylene
Concen: 38.923 ng
RT: 14.031 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:152 Resp: 2509218

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.1	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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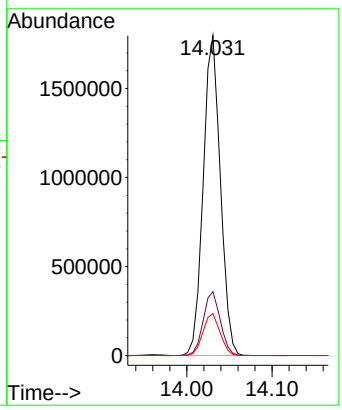
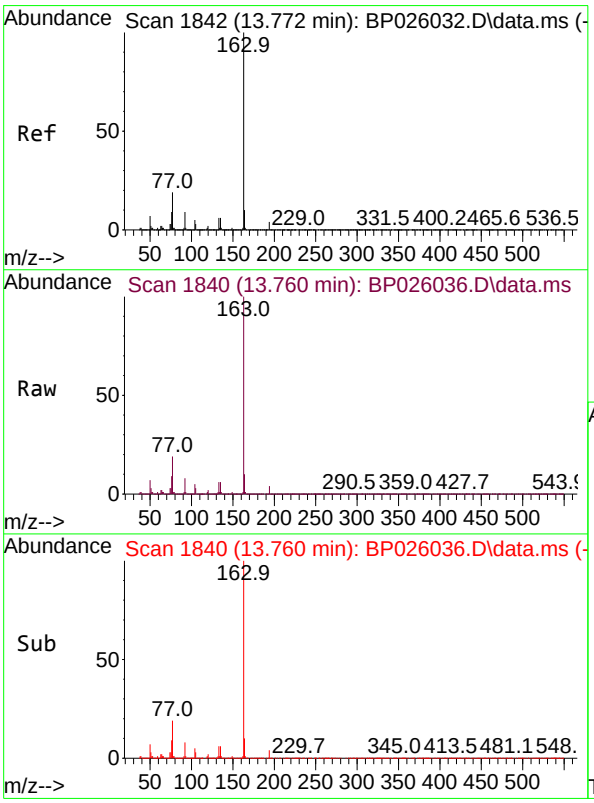
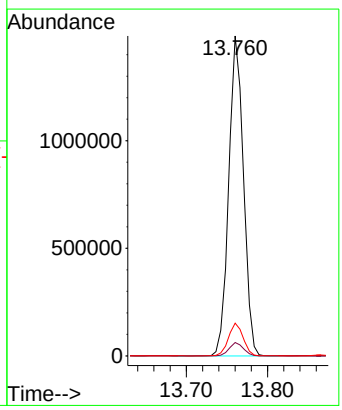


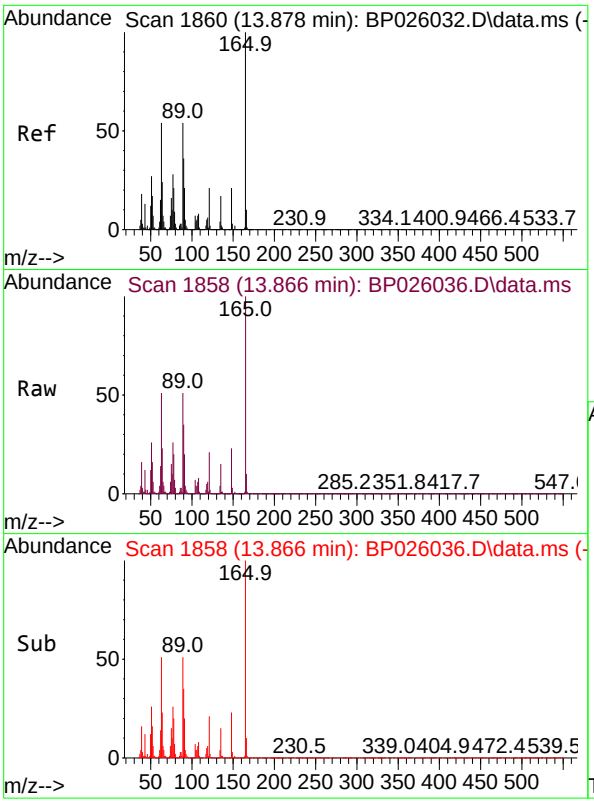


#50
Dimethylphthalate
Concen: 35.112 ng
RT: 13.760 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:163 Resp: 1875076

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 37.528 ng
RT: 13.866 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:165 Resp: 36725

Ion	Ratio	Lower	Upper
165	100		
63	50.6	43.0	64.4
89	51.2	43.0	64.4

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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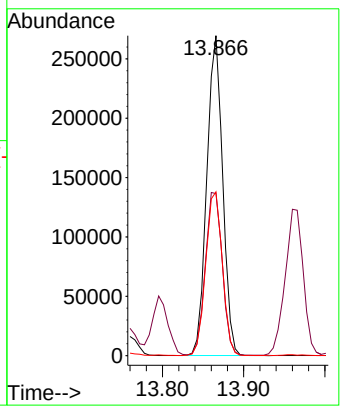
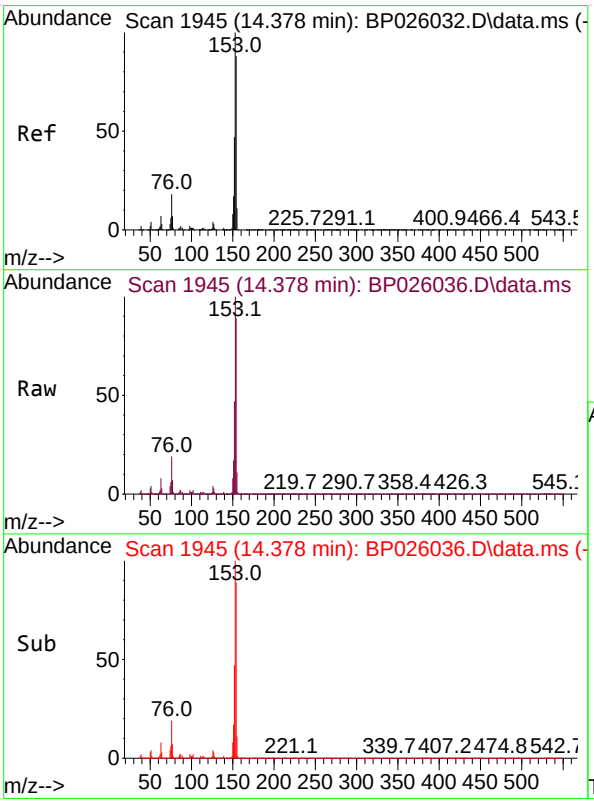
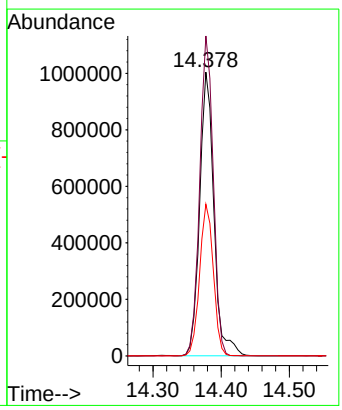


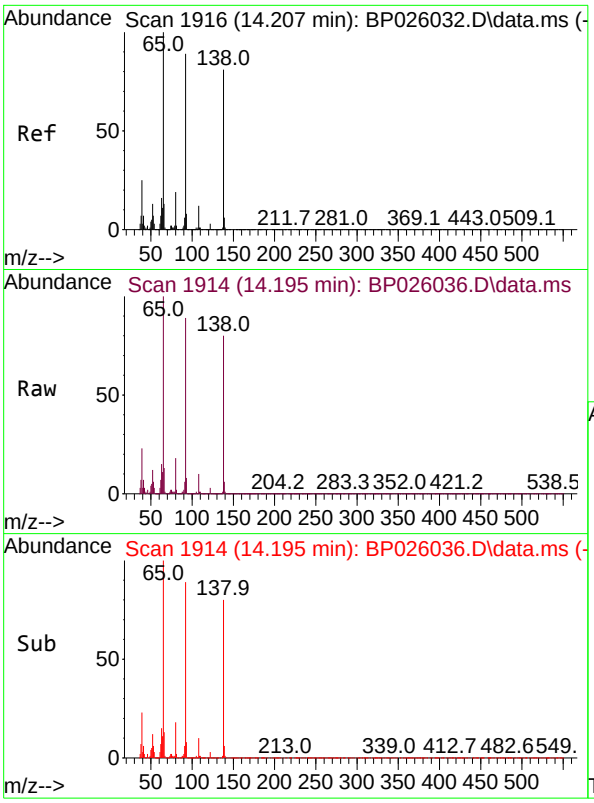


#52
Acenaphthene
Concen: 32.961 ng
RT: 14.378 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:154 Resp: 1458746

Ion	Ratio	Lower	Upper
154	100		
153	112.7	91.0	136.4
152	53.4	42.7	64.1





#53
3-Nitroaniline
Concen: 36.037 ng
RT: 14.195 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:138 Resp: 42519

Ion	Ratio	Lower	Upper
138	100		
108	12.3	11.4	17.0
92	111.4	87.1	130.7

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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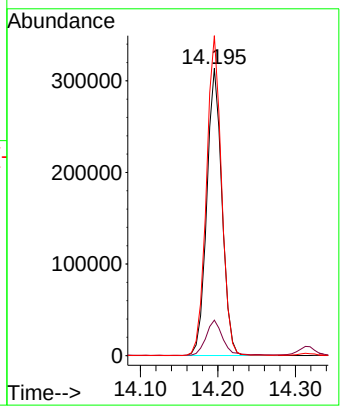
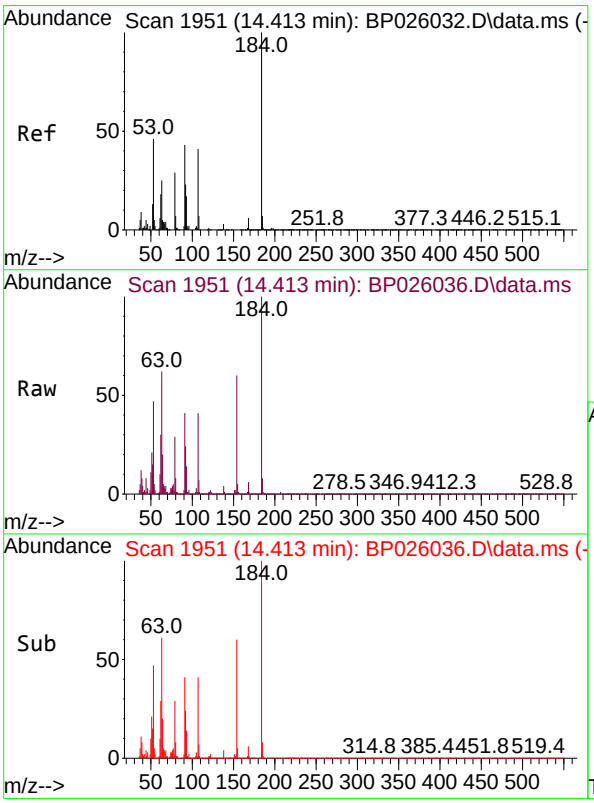
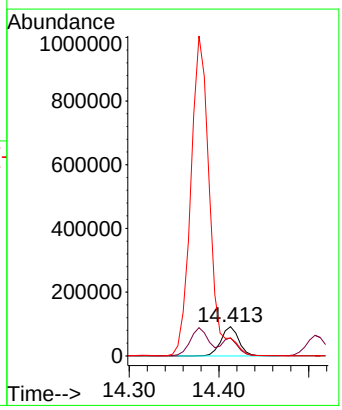


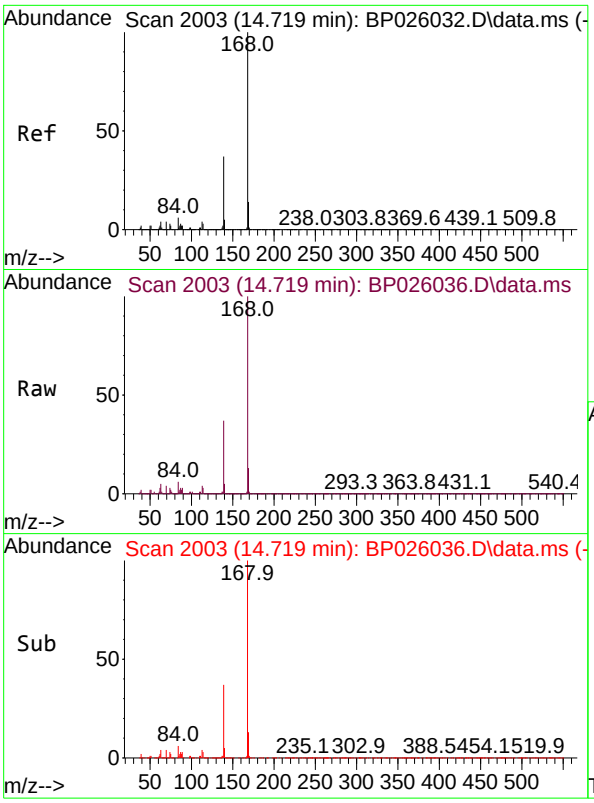


#54
2,4-Dinitrophenol
Concen: 36.040 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:184 Resp: 126516

Ion	Ratio	Lower	Upper
184	100		
63	61.6	49.0	73.4
154	60.3	51.0	76.6





#55
Dibenzofuran
Concen: 33.938 ng
RT: 14.719 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:168 Resp: 2269310

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.7	44.5
169	13.2	11.0	16.4

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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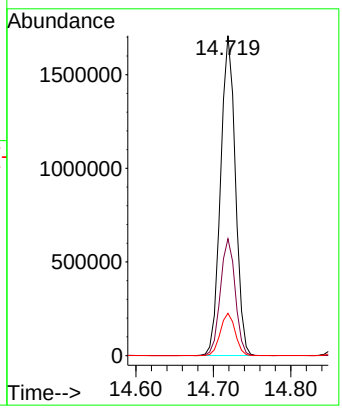
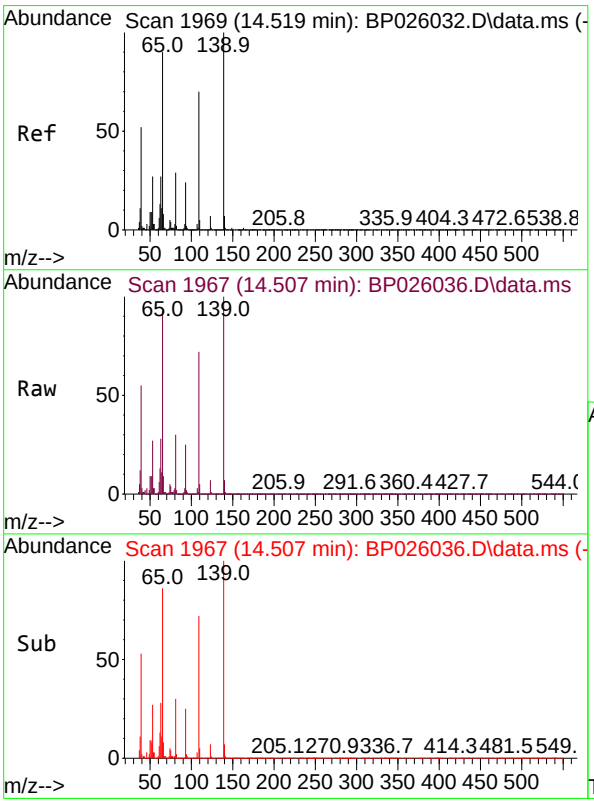
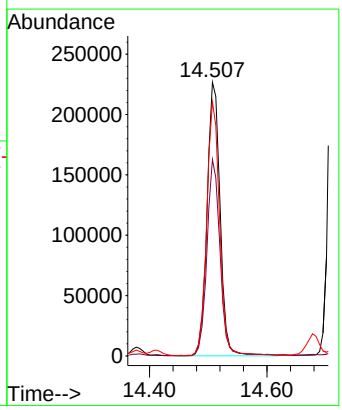


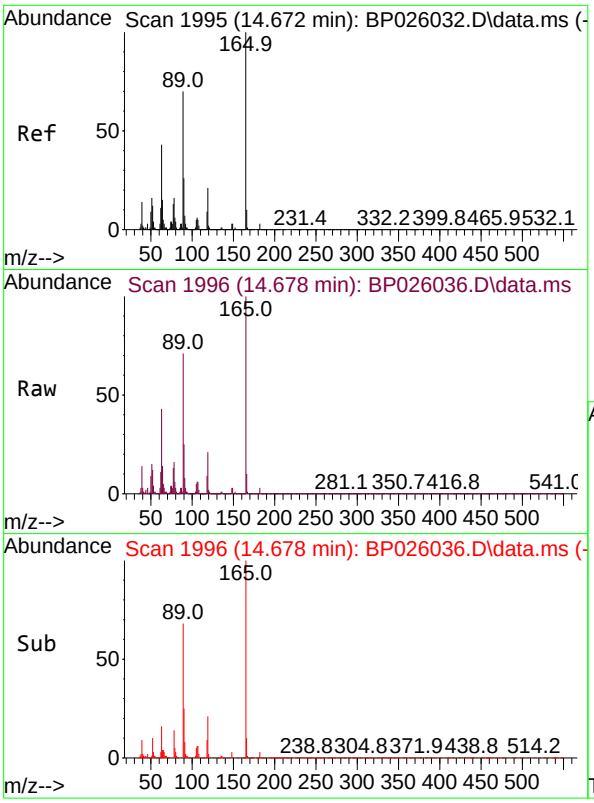


#56
4-Nitrophenol
Concen: 32.703 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:139 Resp: 348249

Ion	Ratio	Lower	Upper
139	100		
109	71.7	50.0	90.0
65	92.8	69.6	109.6





#57
2,4-Dinitrotoluene
Concen: 35.013 ng
RT: 14.678 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:165 Resp: 499801

Ion	Ratio	Lower	Upper
165	100		
63	42.6	34.2	51.2
89	70.6	56.0	84.0
182	2.8	2.2	3.2

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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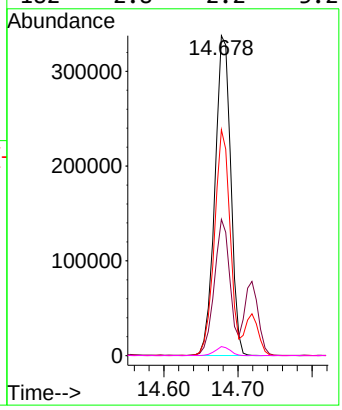
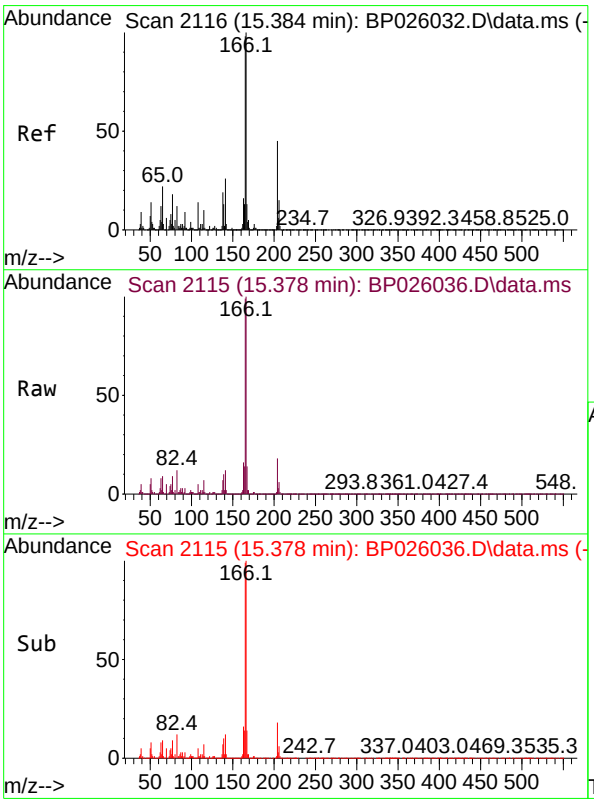
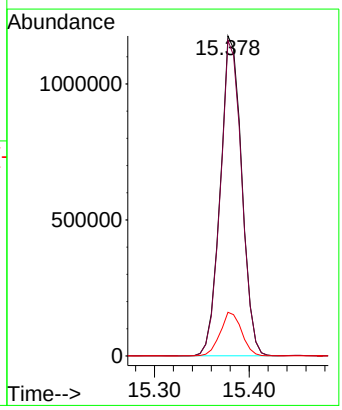


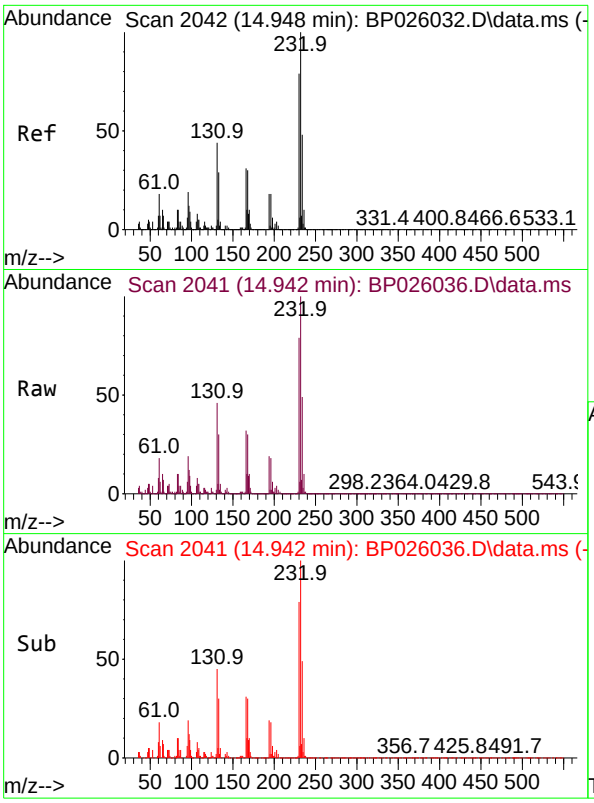


#58
Fluorene
Concen: 35.342 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:166 Resp: 1851395

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.1	117.1
167	13.6	10.6	16.0

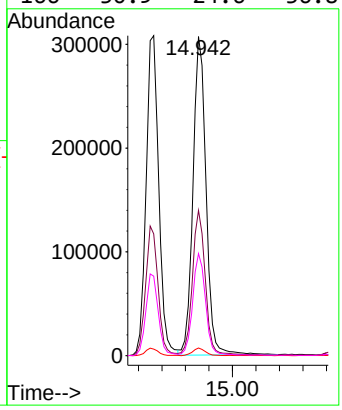




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.197 ng
RT: 14.942 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:232 Resp: 474164

Ion	Ratio	Lower	Upper
232	100		
131	45.1	35.2	52.8
130	2.3	1.7	2.5
166	30.9	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
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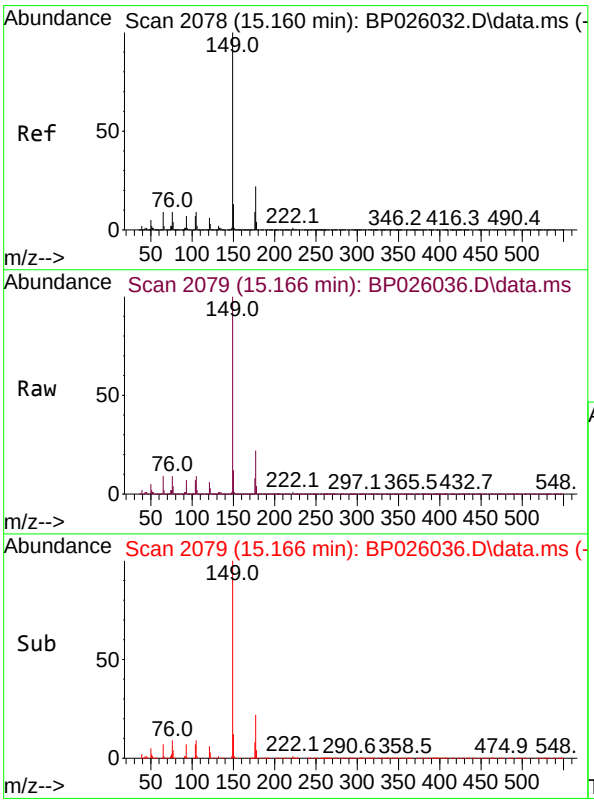
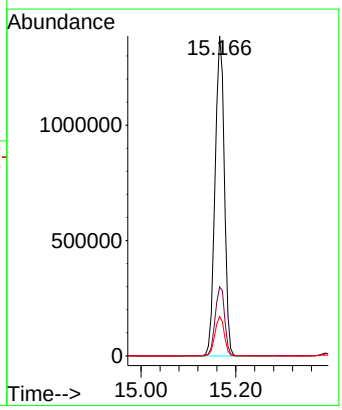
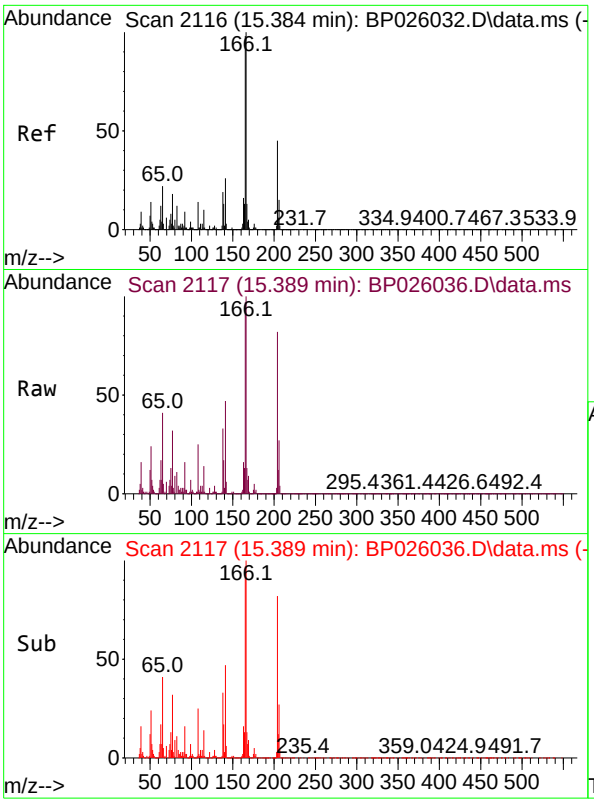


#60
Diethylphthalate
Concen: 35.015 ng
RT: 15.166 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:149 Resp: 1879900

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.9	26.9
150	12.3	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 33.928 ng
RT: 15.389 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:204 Resp: 887559

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.2
141	57.7	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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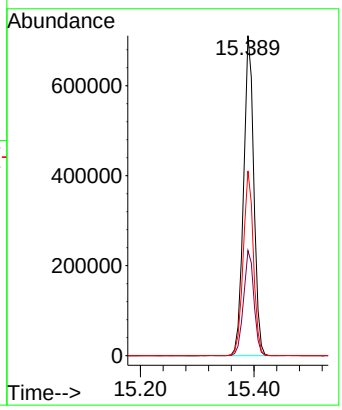
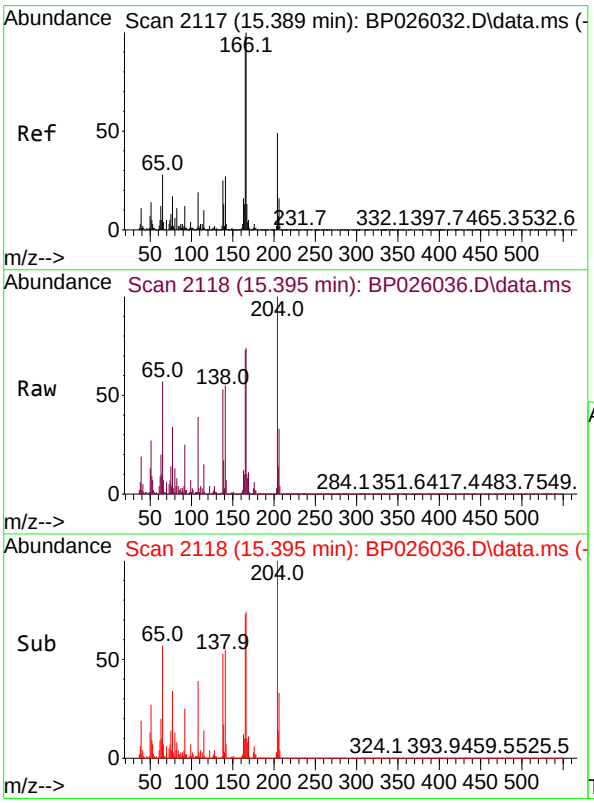
Supervised By :Jagrut Upadhyay 11/04/2025

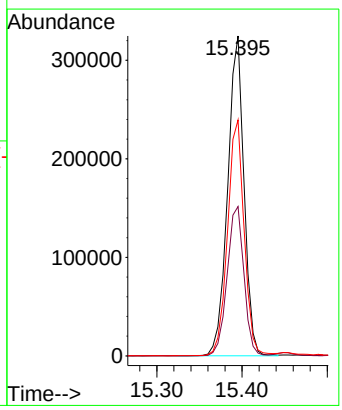


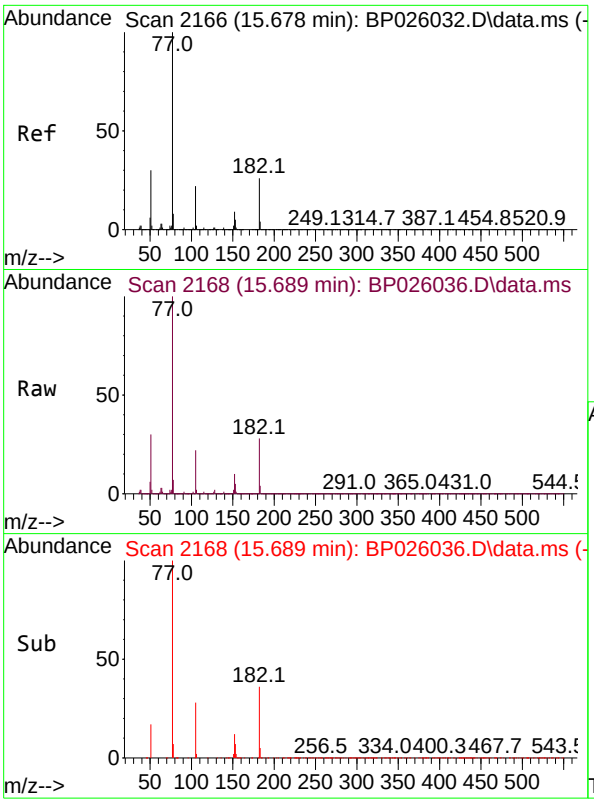


#62
4-Nitroaniline
Concen: 37.891 ng
RT: 15.395 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:138 Resp: 432391

Ion	Ratio	Lower	Upper
138	100		
92	46.7	28.2	68.2
108	73.7	56.0	96.0





#63
Azobenzene
Concen: 35.051 ng
RT: 15.689 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 77 Resp: 170548

Ion	Ratio	Lower	Upper
77	100		
182	27.6	6.4	46.4
105	22.3	2.2	42.2
51	30.1	10.3	50.3

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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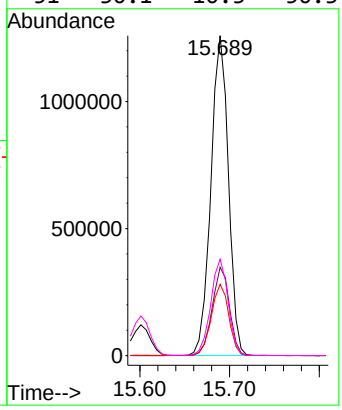
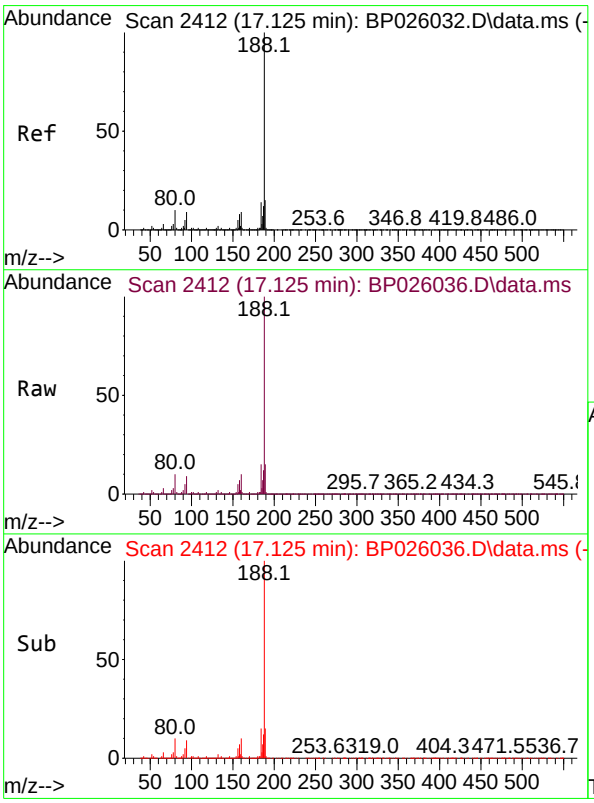
Supervised By :Jagrut Upadhyay 11/04/2025

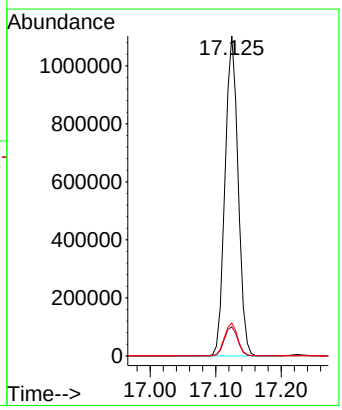


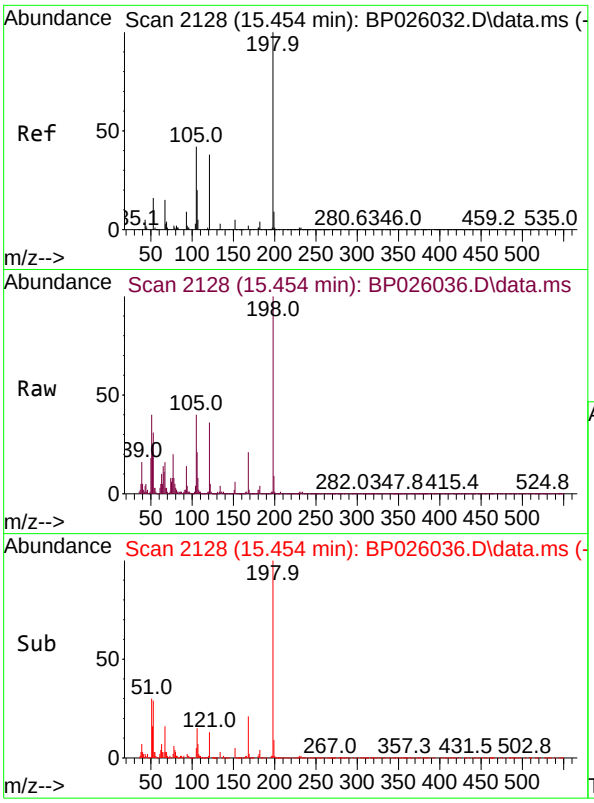


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:188 Resp: 1529844

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.1	10.7
80	10.3	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 35.409 ng
RT: 15.454 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:198 Resp: 200079

Ion	Ratio	Lower	Upper
198	100		
51	40.3	25.2	65.2
105	39.8	23.7	63.7

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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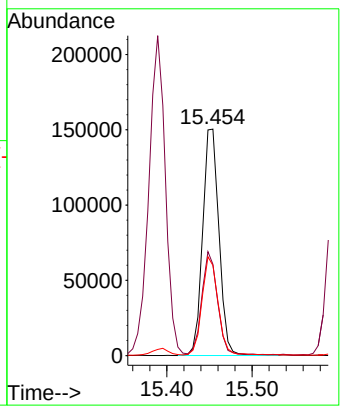
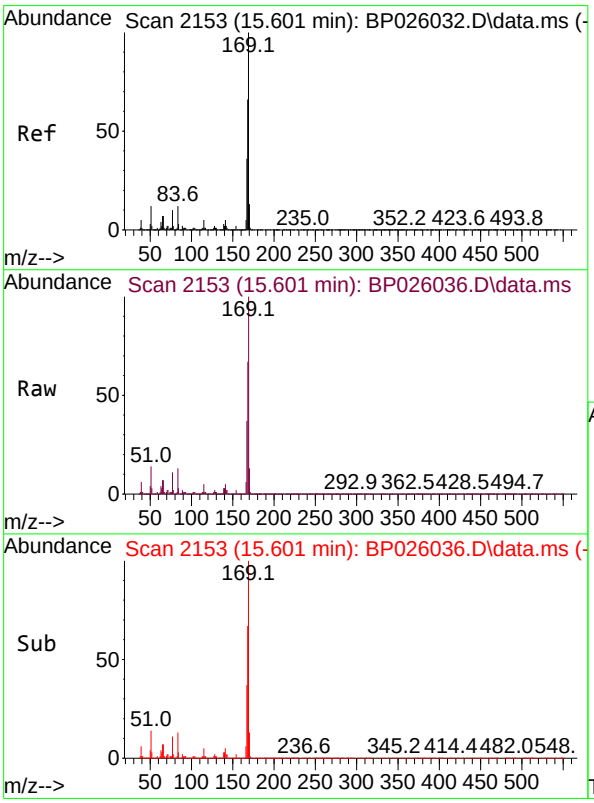
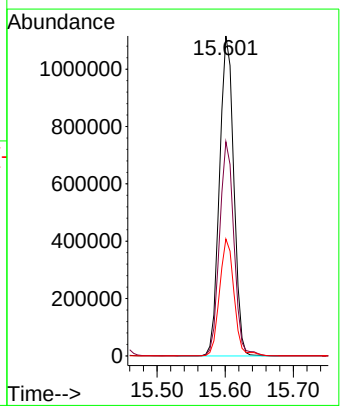


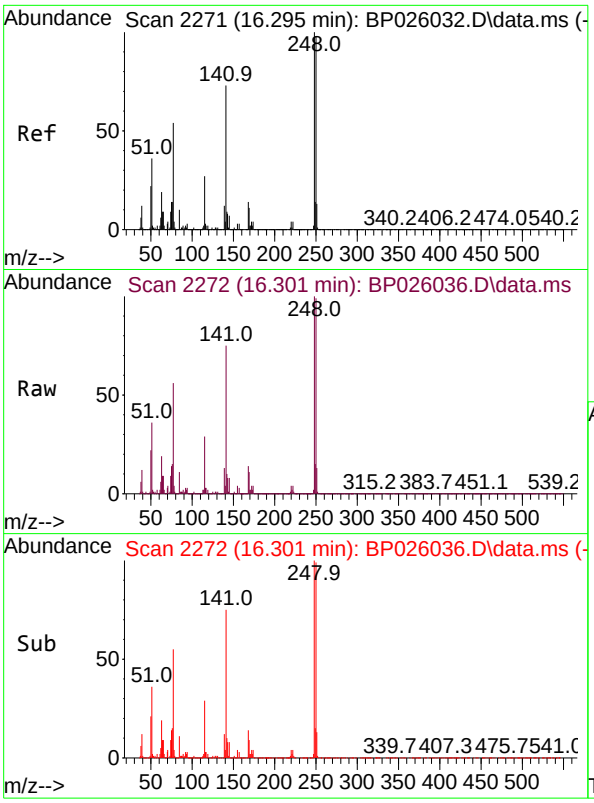


#66
n-Nitrosodiphenylamine
Concen: 33.661 ng
RT: 15.601 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:169 Resp: 1610105

Ion	Ratio	Lower	Upper
169	100		
168	66.9	52.9	79.3
167	36.5	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 32.800 ng
RT: 16.301 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:248 Resp: 55662

Ion	Ratio	Lower	Upper
248	100		
250	99.4	78.4	117.6
141	75.0	58.3	87.5

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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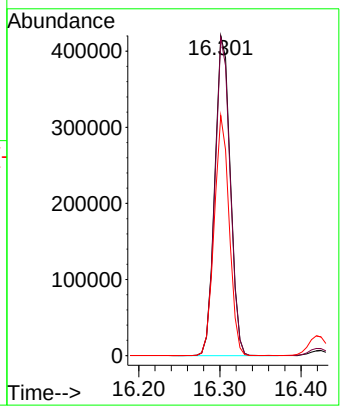
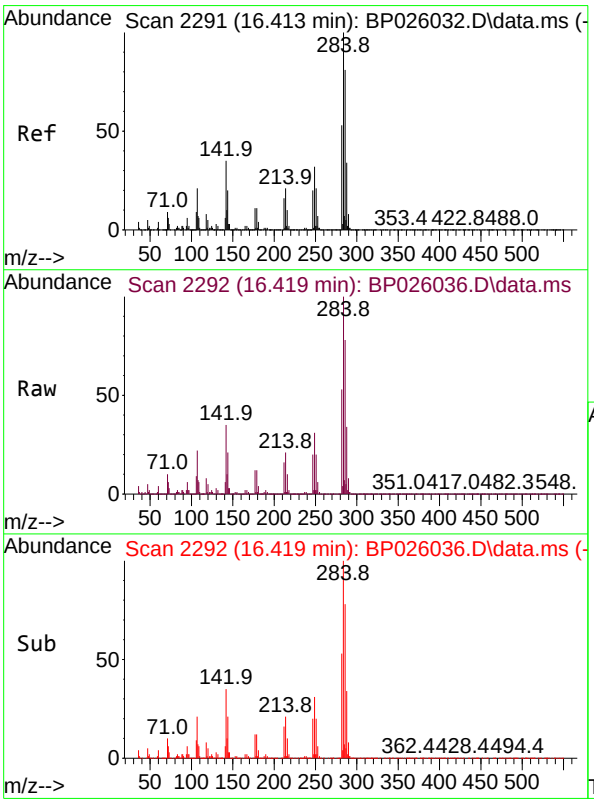
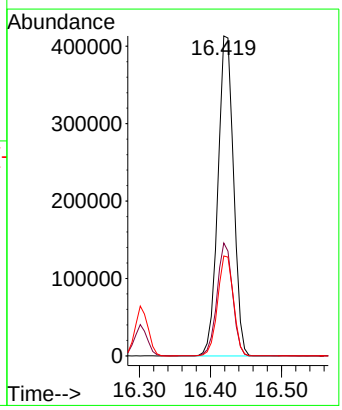


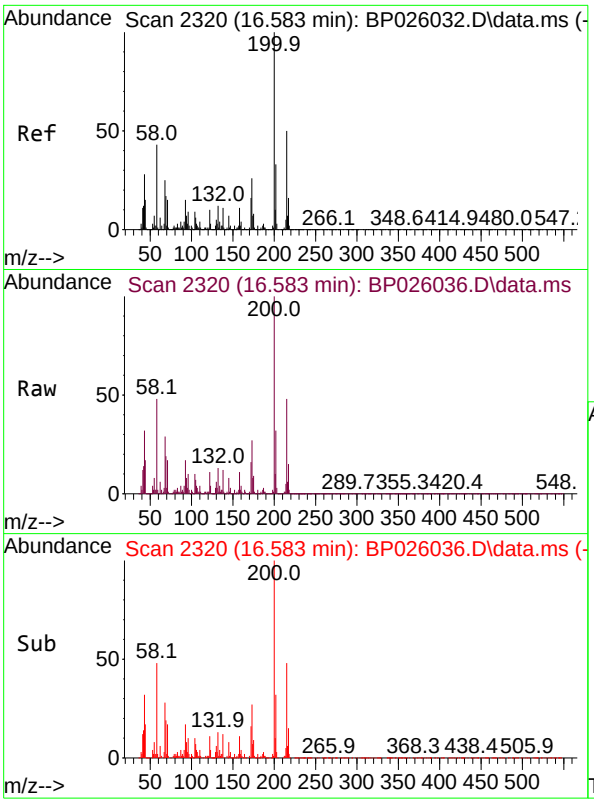


#68
Hexachlorobenzene
Concen: 32.804 ng
RT: 16.419 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:284 Resp: 633716

Ion	Ratio	Lower	Upper
284	100		
142	35.3	27.7	41.5
249	31.2	25.5	38.3





#69
Atrazine
Concen: 37.108 ng
RT: 16.583 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:200 Resp: 59877

Ion	Ratio	Lower	Upper
200	100		
173	27.3	6.2	46.2
215	47.7	29.8	69.8

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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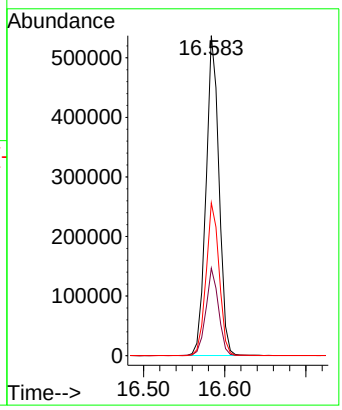
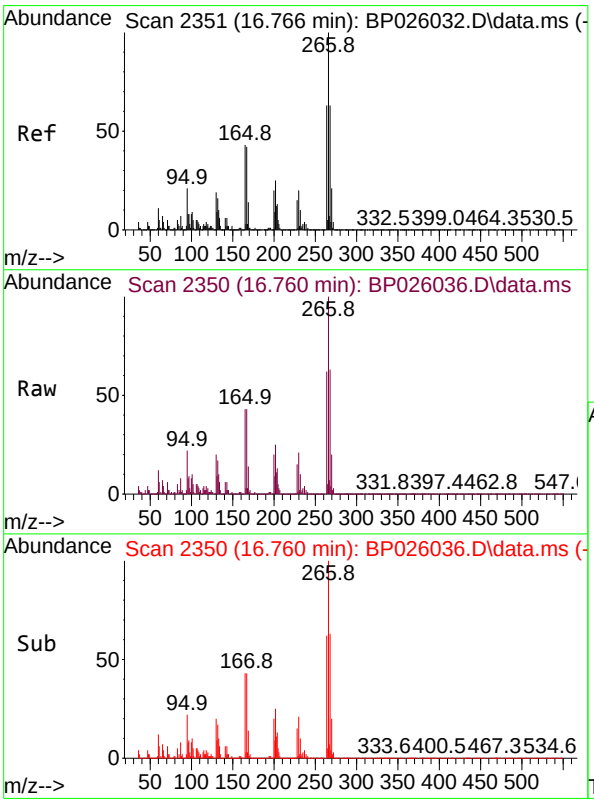
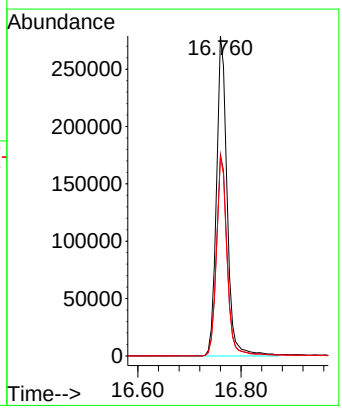


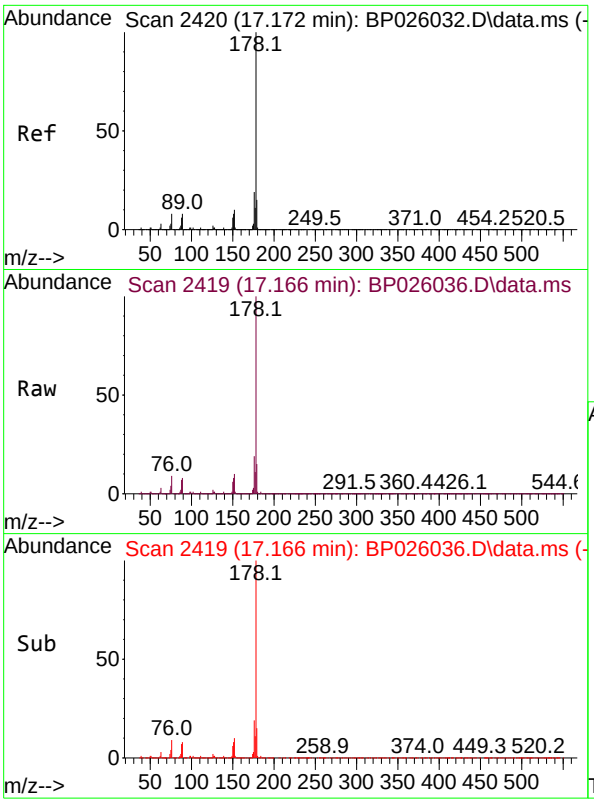


#70
Pentachlorophenol
Concen: 33.716 ng
RT: 16.760 min Scan# 2350
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:266 Resp: 397848

Ion	Ratio	Lower	Upper
266	100		
268	63.0	50.6	76.0
264	62.1	50.2	75.4





#71
Phenanthrene
Concen: 32.726 ng
RT: 17.166 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:178 Resp: 291404

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.3	12.3	18.5

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
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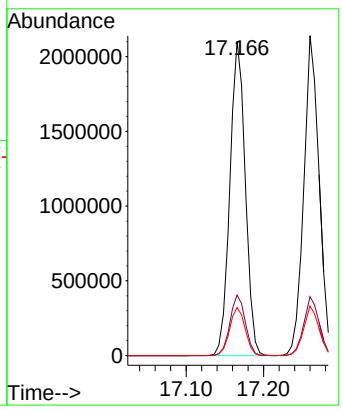
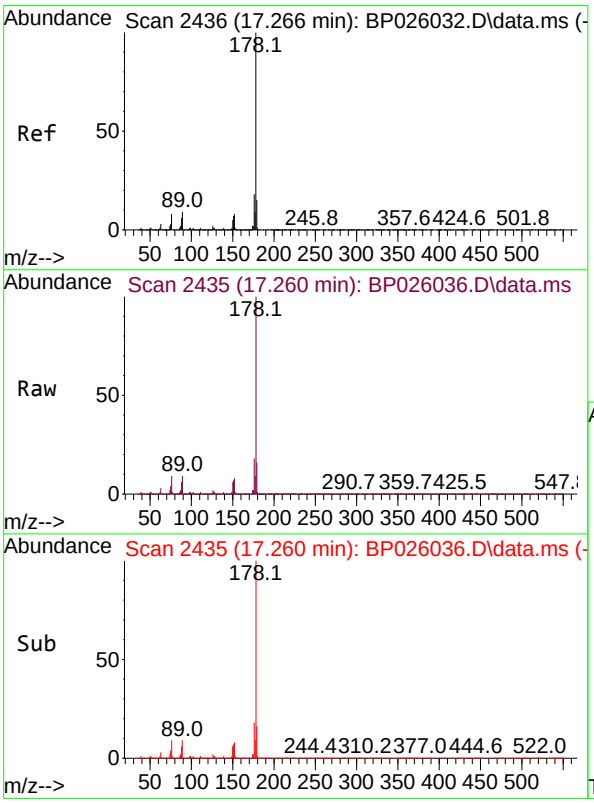
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

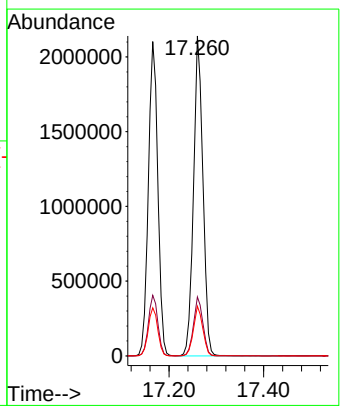


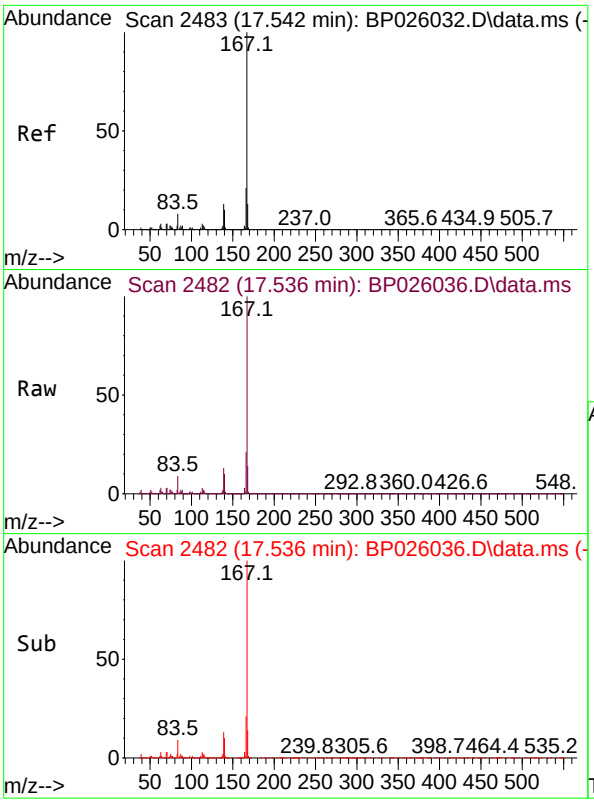


#72
Anthracene
Concen: 33.409 ng
RT: 17.260 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:178 Resp: 2948850

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.5	12.2	18.4





#73
Carbazole
Concen: 33.421 ng
RT: 17.536 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:167 Resp: 279240

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.7	10.2	15.2

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
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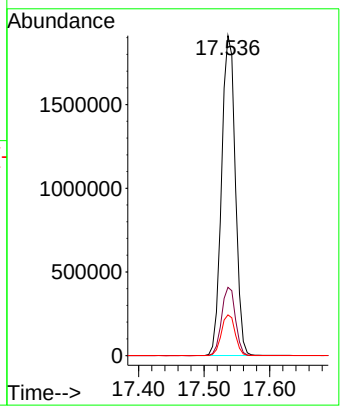
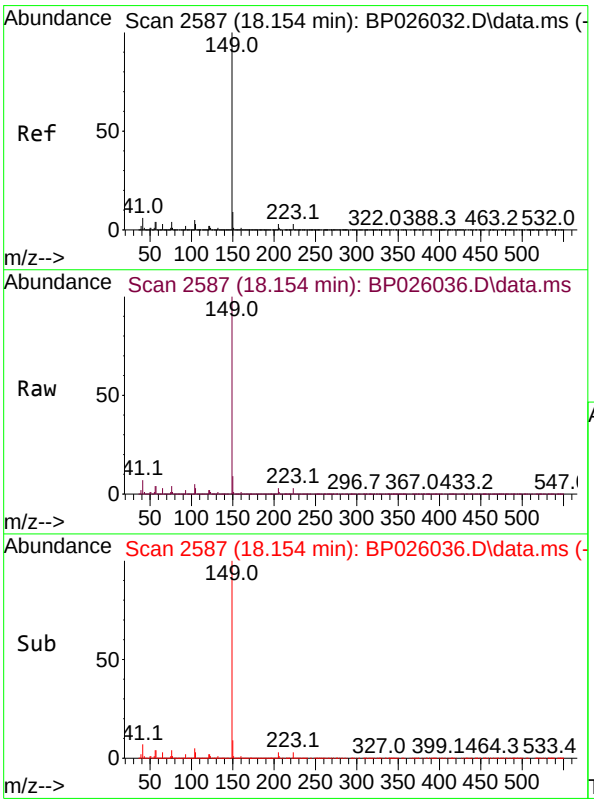
Supervised By :Jagrut Upadhyay 11/04/2025

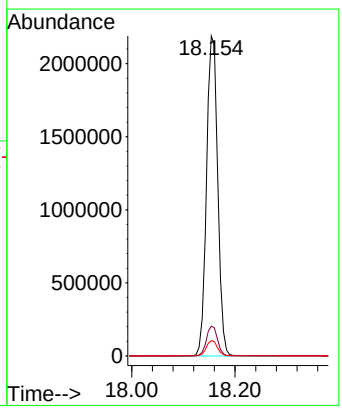


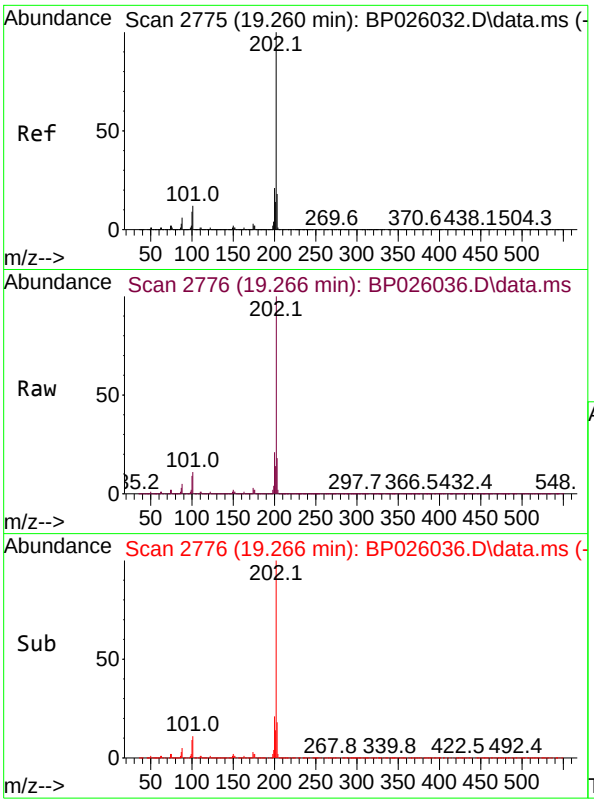


#74
Di-n-butylphthalate
Concen: 35.126 ng
RT: 18.154 min Scan# 2587
Delta R.T. -0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:149 Resp: 3284045

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.8	3.8	5.6





#75
Fluoranthene
Concen: 33.126 ng
RT: 19.266 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:202 Resp: 3440878

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.1
203	17.7	0.0	37.6

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
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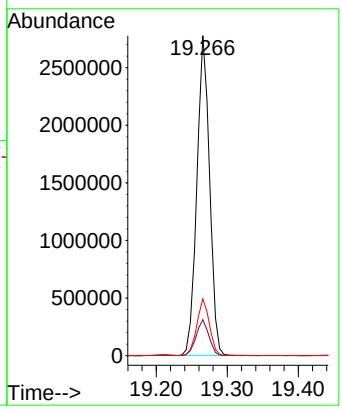
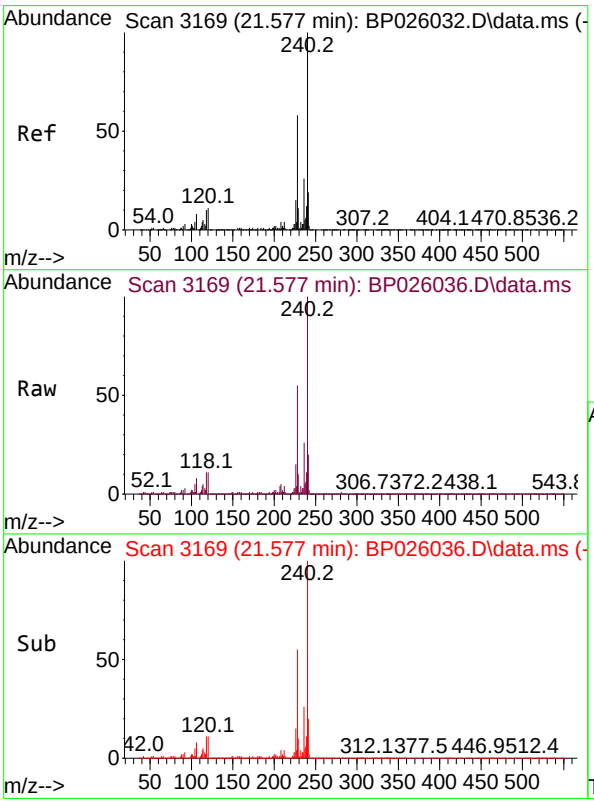
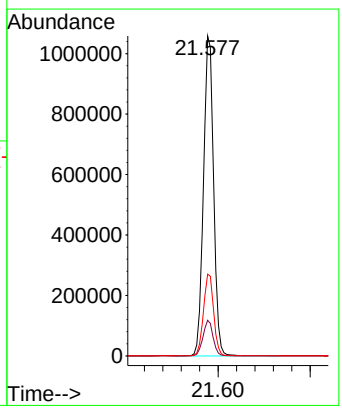


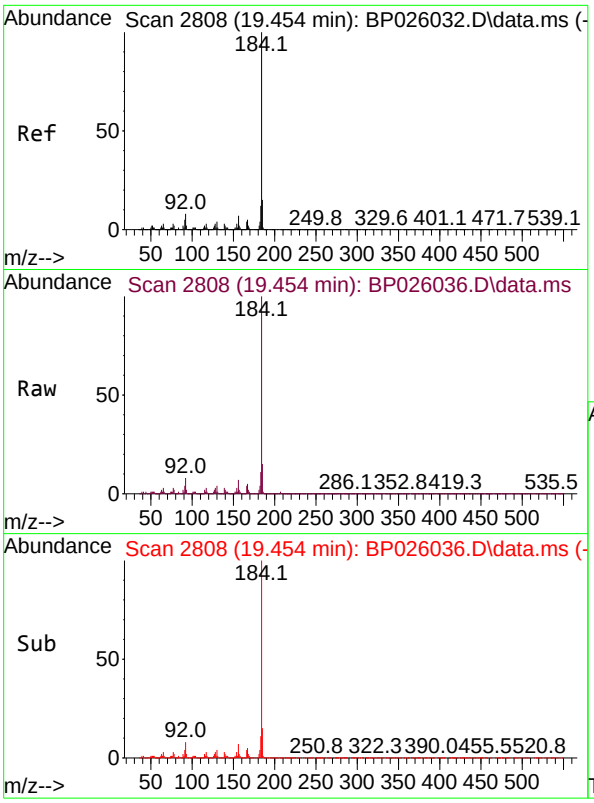


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:240 Resp: 1603754

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	25.5	20.6	31.0





#77
Benzidine
Concen: 48.151 ng
RT: 19.454 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:184 Resp: 1960099

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	11.4	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
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Reviewed By :Rahul Chavli 10/30/2025
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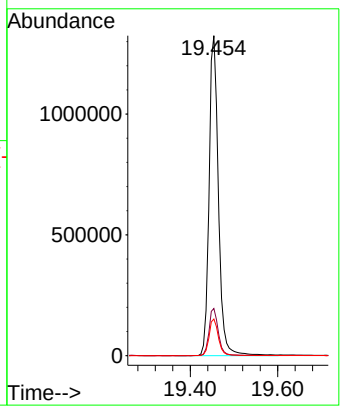
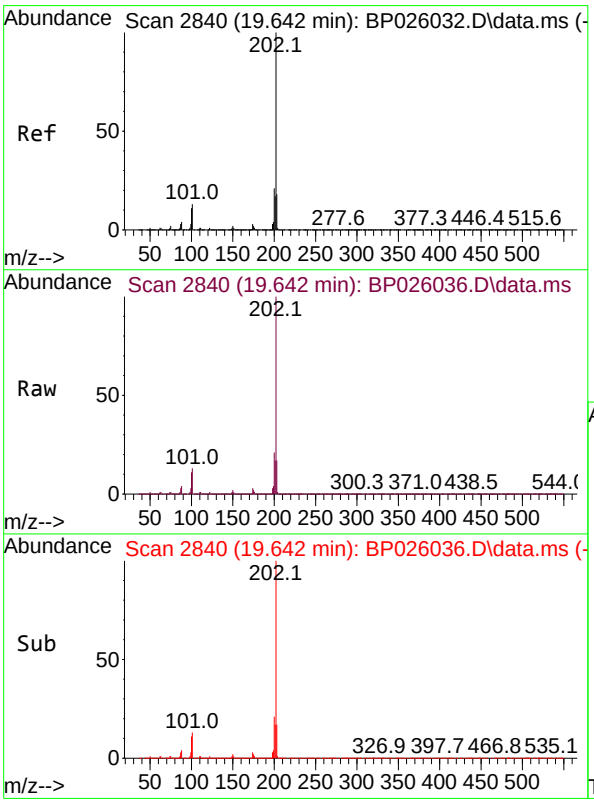
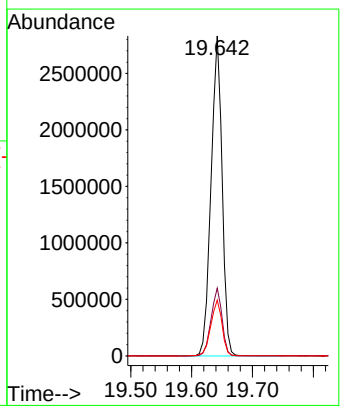


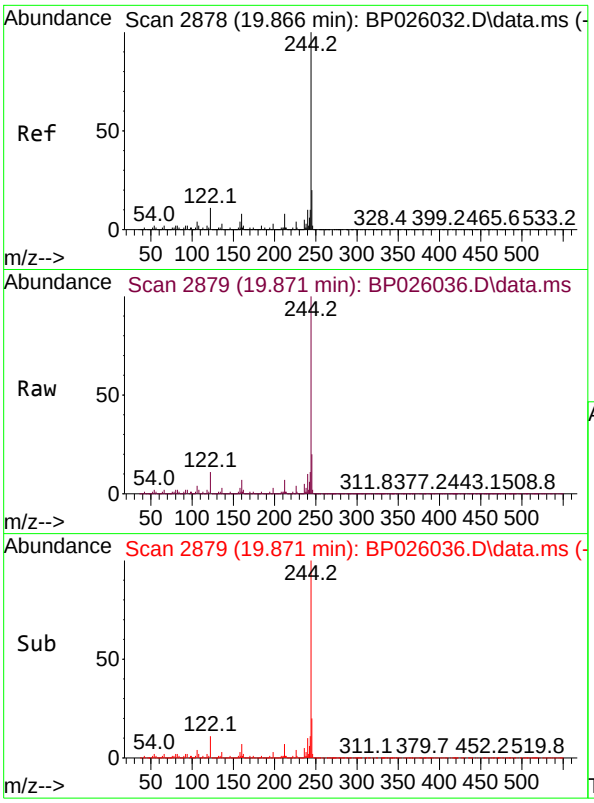


#78
Pyrene
Concen: 32.912 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:202 Resp: 3569948

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	17.4	14.0	21.0





#79
Terphenyl-d14
Concen: 67.515 ng
RT: 19.871 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:244 Resp: 5329468

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	10.6	9.0	13.6

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
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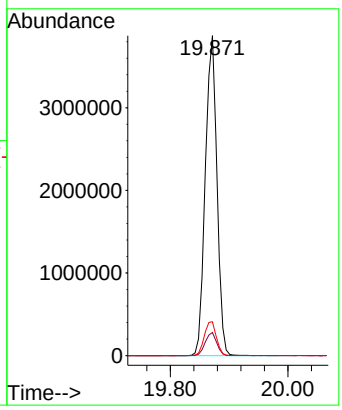
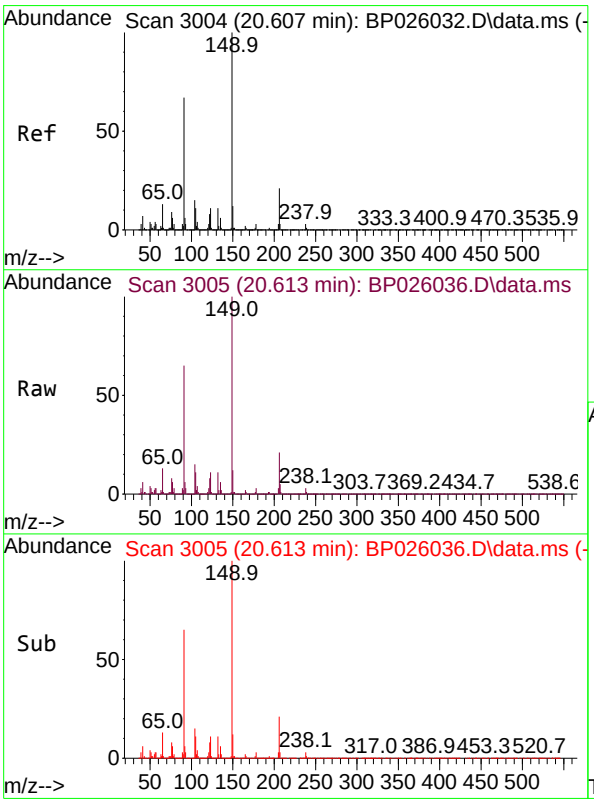
Supervised By :Jagrut Upadhyay 11/04/2025

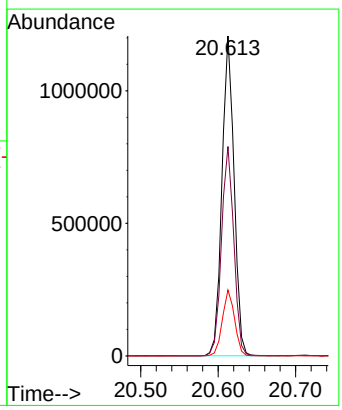


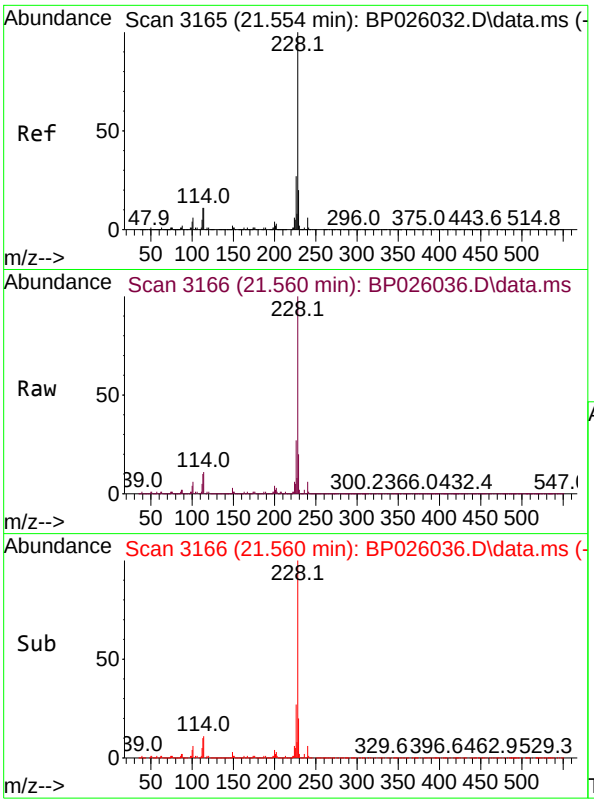


#80
Butylbenzylphthalate
Concen: 33.630 ng
RT: 20.613 min Scan# 3005
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:149 Resp: 1317625

Ion	Ratio	Lower	Upper
149	100		
91	65.4	53.5	80.3
206	20.6	16.6	25.0





#81
Benzo(a)anthracene
Concen: 33.052 ng
RT: 21.560 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

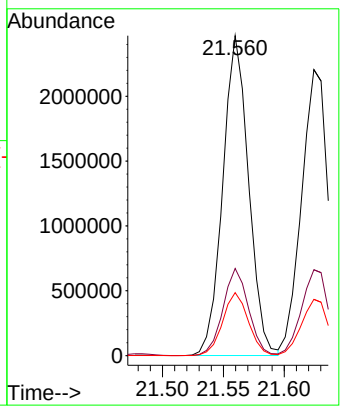
Tgt Ion:228 Resp: 364248

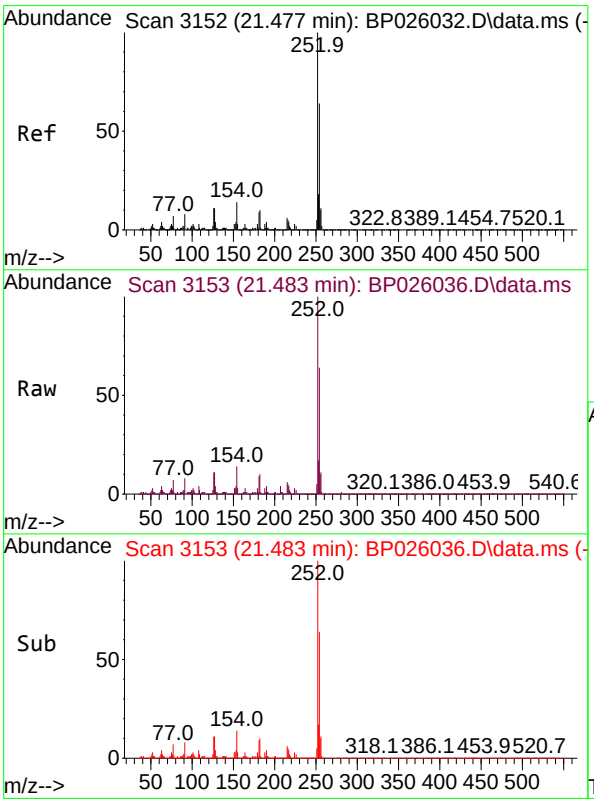
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	19.7	15.8	23.8

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

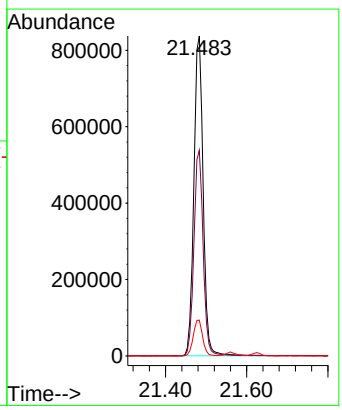


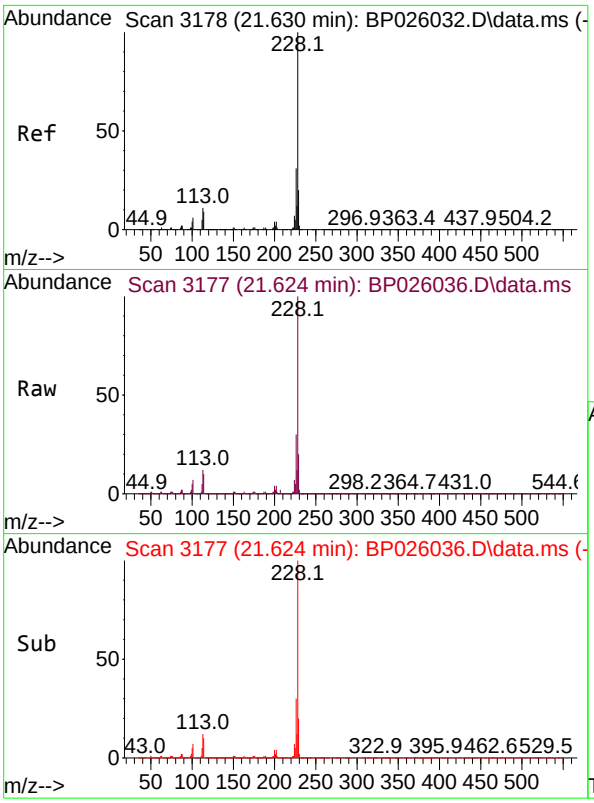


#82
3,3'-Dichlorobenzidine
Concen: 37.253 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:252 Resp: 1322765

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.3	76.9
126	11.2	9.1	13.7





#83
Chrysene
Concen: 32.526 ng
RT: 21.624 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

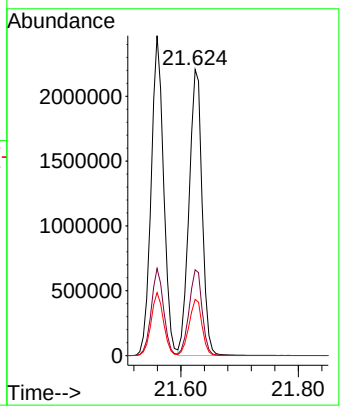
Tgt Ion:228 Resp: 339552

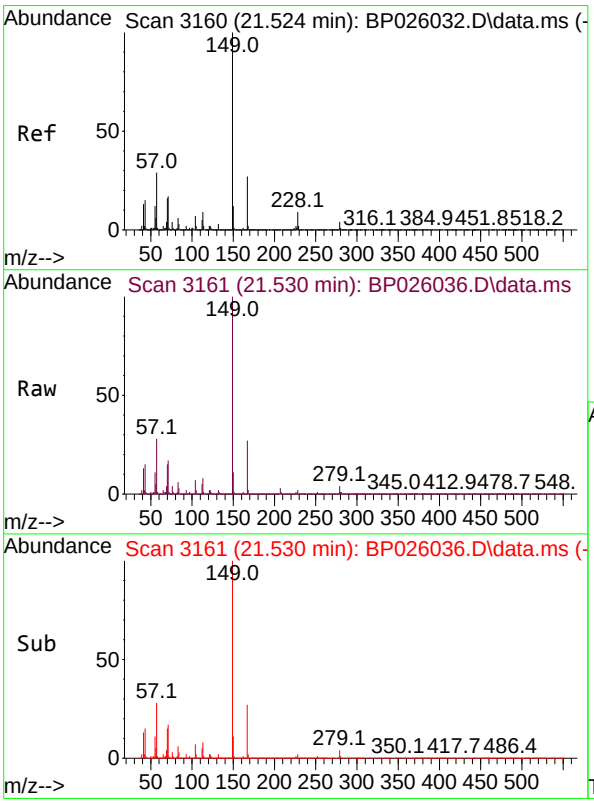
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.4	36.6
229	19.7	16.0	24.0

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

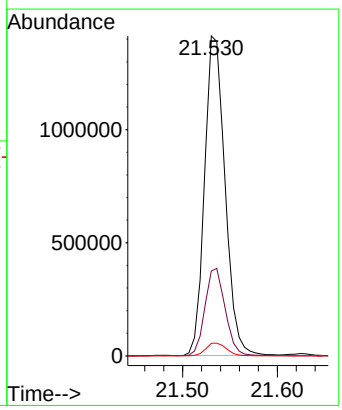


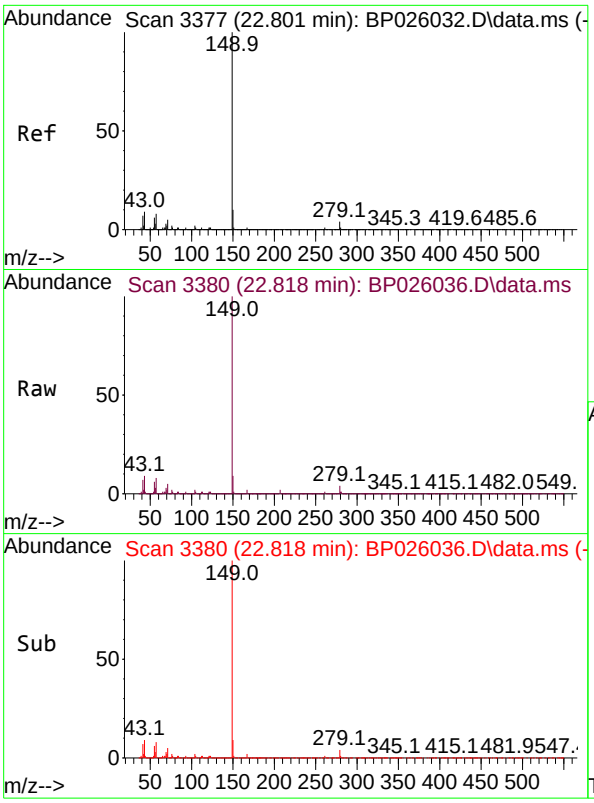


#84
Bis(2-ethylhexyl)phthalate
Concen: 33.750 ng
RT: 21.530 min Scan# 3161
Delta R.T. 0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:149 Resp: 2128720

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.5	32.3
279	3.9	3.0	4.6





#85
Di-n-octyl phthalate
Concen: 33.668 ng
RT: 22.818 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

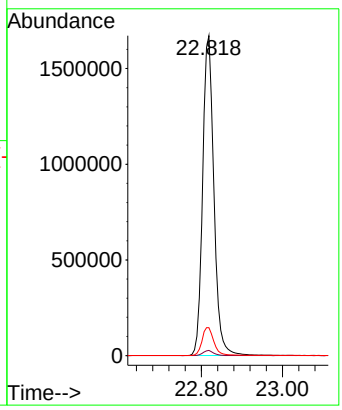
Tgt Ion:149 Resp: 321423

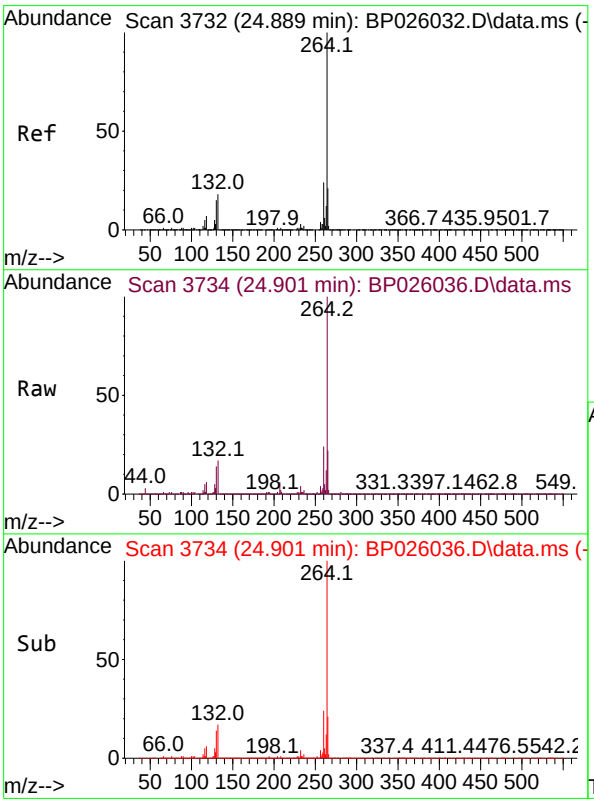
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.2	7.6	11.4

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

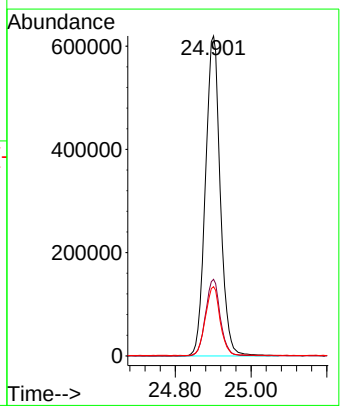


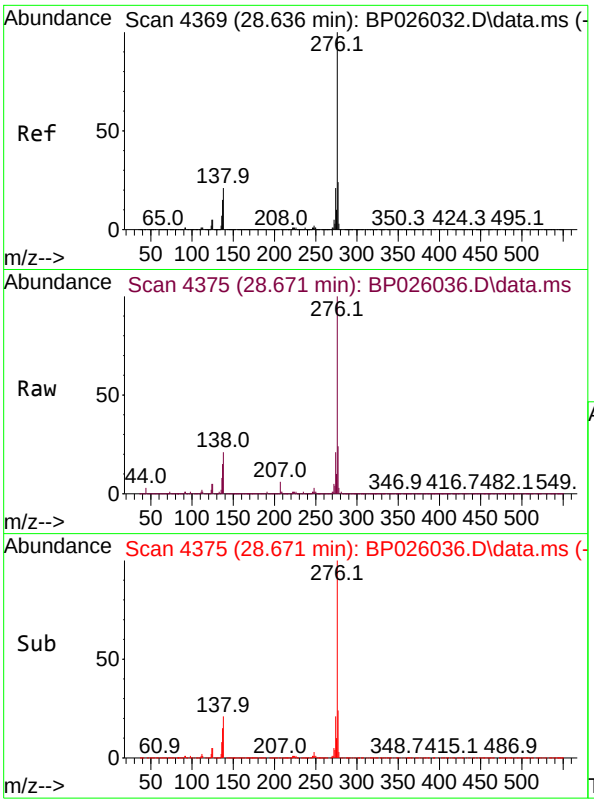


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.901 min Scan# 3734
Delta R.T. 0.018 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:264 Resp: 1688986

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.6	17.2	25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 33.295 ng m
RT: 28.671 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

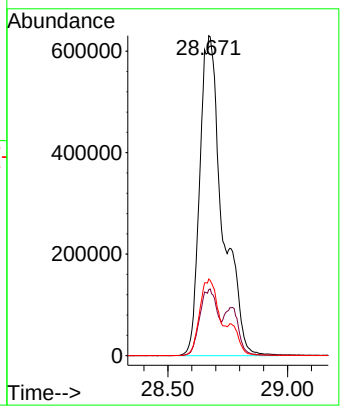
Tgt Ion:276 Resp: 415159

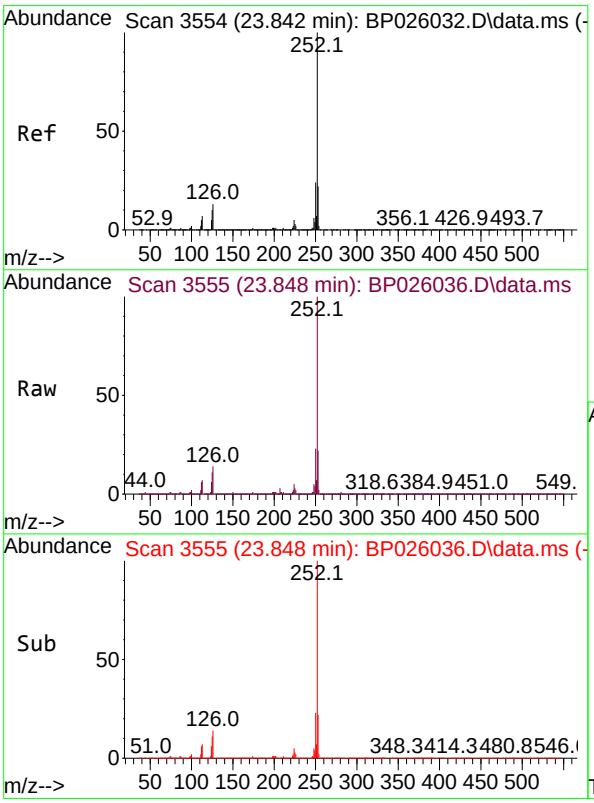
Ion	Ratio	Lower	Upper
276	100		
138	16.3	13.2	19.8
277	20.5	16.3	24.5

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

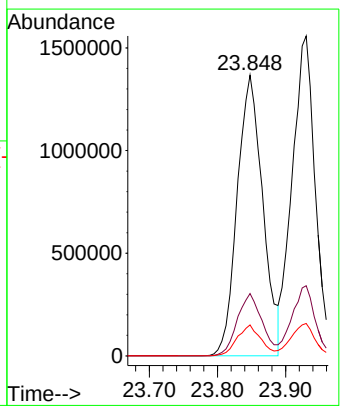


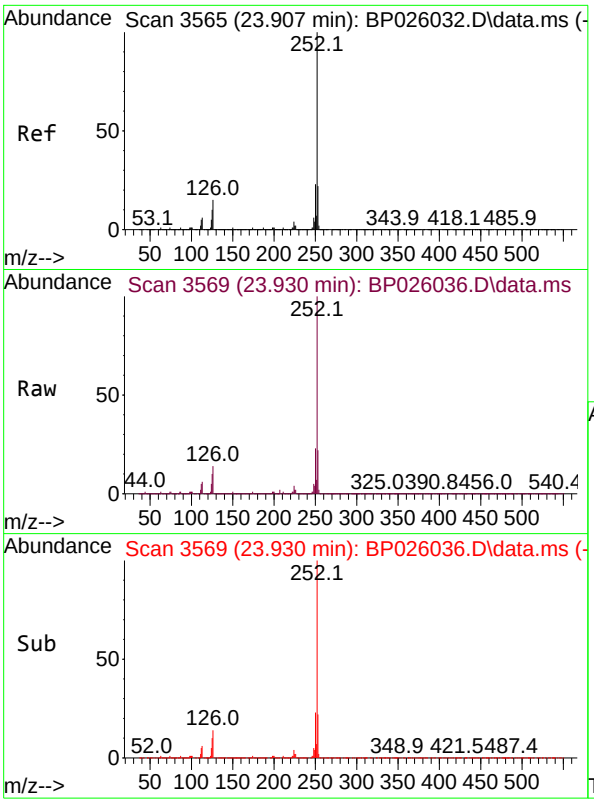


#88
Benzo(b)fluoranthene
Concen: 34.098 ng
RT: 23.848 min Scan# 3555
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:252 Resp: 3575209

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	11.0	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 34.381 ng
RT: 23.930 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

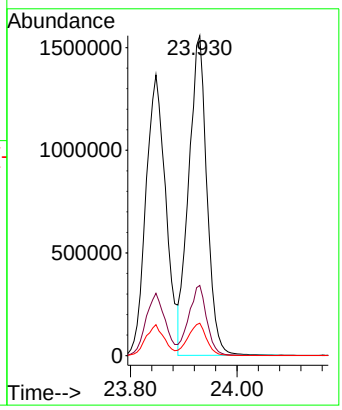
Tgt Ion:252 Resp: 368117

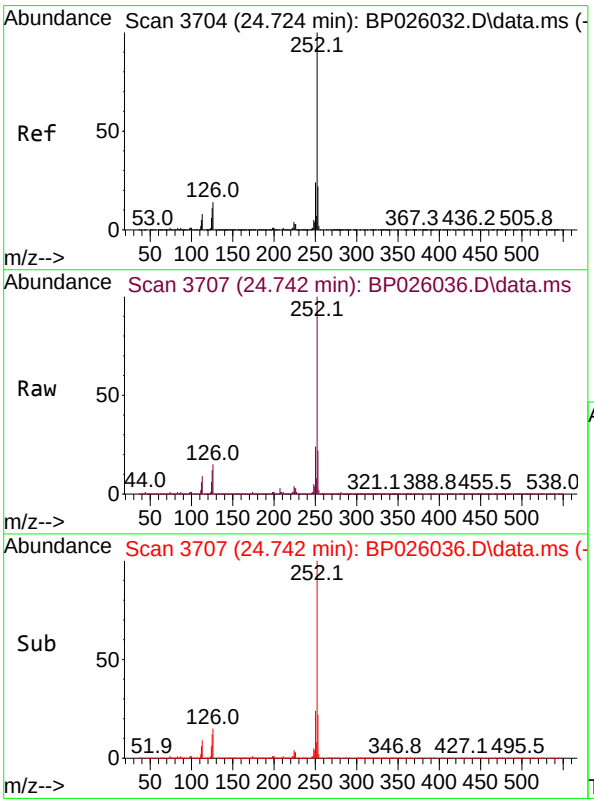
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.1	8.1	12.1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

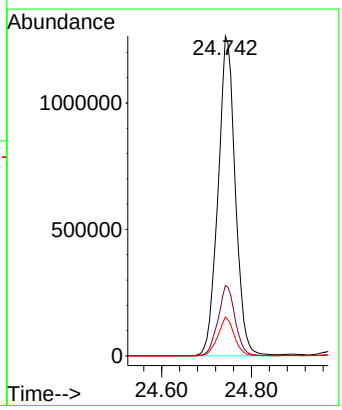


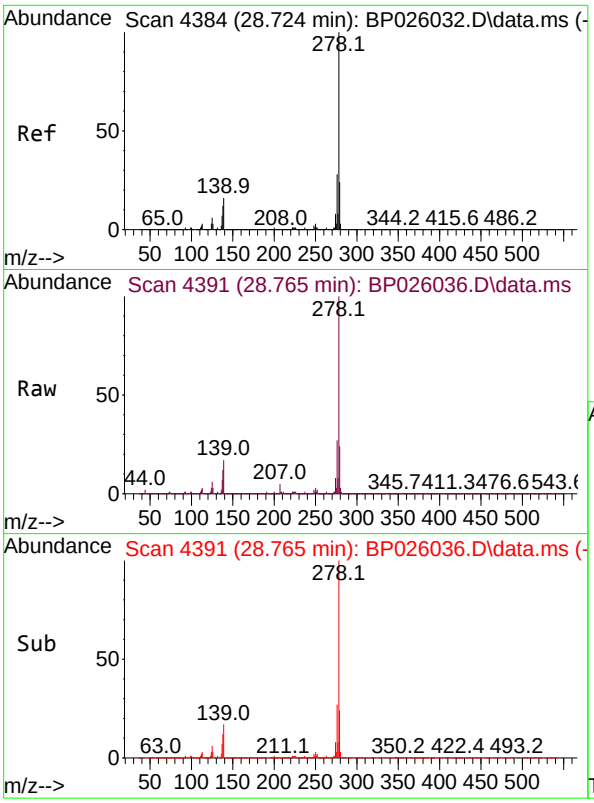


#90
Benzo(a)pyrene
Concen: 35.024 ng
RT: 24.742 min Scan# 3707
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:252 Resp: 3373695

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	12.2	9.1	13.7





#91
Dibenzo(a,h)anthracene
Concen: 33.879 ng
RT: 28.765 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

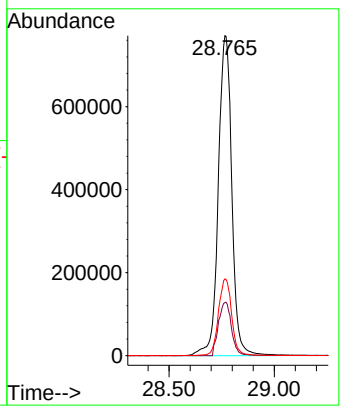
Tgt Ion:278 Resp: 343782

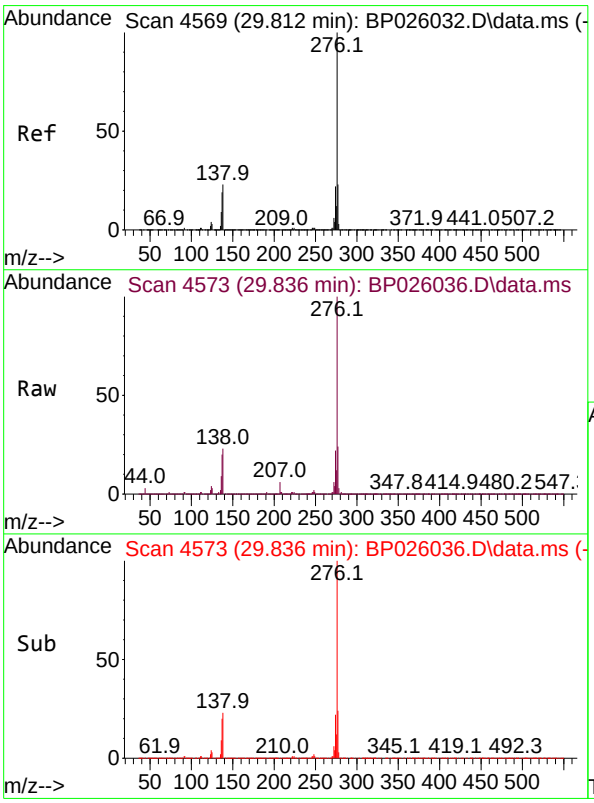
Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.0	19.6
279	24.0	18.9	28.3

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

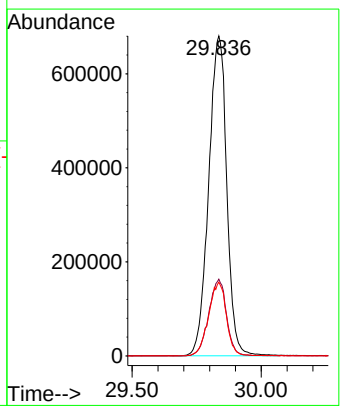




#92
Benzo(g,h,i)perylene
Concen: 33.862 ng
RT: 29.836 min Scan# 4573
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:276 Resp: 3306526

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.5	27.7
138	23.0	18.1	27.1



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	-0.05
2		1,4-Dioxane	0.511	0.425	16.8	79	-0.02
3		Pyridine	1.453	1.186	18.4	77	-0.03
4		n-Nitrosodimethylamine	0.582	0.511	12.2	84	-0.03
5	S	2-Fluorophenol	1.212	1.037	14.4	80	-0.05
6		Aniline	2.059	1.845	10.4	84	-0.05
7	S	Phenol-d6	1.543	1.313	14.9	79	-0.05
8		2-Chlorophenol	1.342	1.161	13.5	80	-0.05
9		Benzaldehyde	0.802	0.923	-15.1	110	-0.05
10	C	Phenol	1.713	1.448	15.5	79	-0.05
11		bis(2-Chloroethyl)ether	1.352	1.145	15.3	80	-0.05
12		1,3-Dichlorobenzene	1.541	1.331	13.6	81	-0.05
13	C	1,4-Dichlorobenzene	1.558	1.367	12.3	83	-0.05
14		1,2-Dichlorobenzene	1.487	1.305	12.2	83	-0.04
15		Benzyl Alcohol	1.112	0.978	12.1	83	-0.05
16		2,2'-oxybis(1-Chloropropane	2.043	1.712	16.2	78	-0.03
17		2-Methylphenol	1.121	0.981	12.5	80	-0.04
18		Hexachloroethane	0.533	0.461	13.5	80	-0.05
19	P	n-Nitroso-di-n-propylamine	0.958	0.870	9.2	82	-0.05
20		3+4-Methylphenols	1.560	1.336	14.4	80	-0.05
21	I	Naphthalene-d8	1.000	1.000	0.0	97	-0.04
22		Acetophenone	0.506	0.452	10.7	85	-0.05
23	S	Nitrobenzene-d5	0.321	0.275	14.3	79	-0.04
24		Nitrobenzene	0.339	0.295	13.0	80	-0.04
25		Isophorone	0.687	0.602	12.4	81	-0.05
26	C	2-Nitrophenol	0.104	0.110	-5.8	83	-0.04
27		2,4-Dimethylphenol	0.289	0.271	6.2	87	-0.05
28		bis(2-Chloroethoxy)methane	0.433	0.373	13.9	81	-0.03
29	C	2,4-Dichlorophenol	0.305	0.264	13.4	78	-0.03
30		1,2,4-Trichlorobenzene	0.331	0.294	11.2	84	-0.04
31		Naphthalene	1.091	0.924	15.3	80	-0.04
32		Benzoic acid	0.163	0.151	7.4	87	-0.09
33		4-Chloroaniline	0.419	0.407	2.9	90	-0.03
34	C	Hexachlorobutadiene	0.211	0.178	15.6	80	-0.04
35		Caprolactam	0.107	0.093	13.1	80	-0.07
36	C	4-Chloro-3-methylphenol	0.320	0.277	13.4	78	-0.04
37		2-Methylnaphthalene	0.763	0.591	22.5	72	-0.03
38		1-Methylnaphthalene	0.742	0.611	17.7	77	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	0.621	0.536	13.7	81	-0.03
41	P	Hexachlorocyclopentadiene	0.227	0.268	-18.1	109	-0.03
42	S	2,4,6-Tribromophenol	0.216	0.197	8.8	80	0.00
43	C	2,4,6-Trichlorophenol	0.367	0.333	9.3	80	-0.02
44		2,4,5-Trichlorophenol	0.419	0.370	11.7	78	-0.03
45	S	2-Fluorobiphenyl	1.392	1.166	16.2	79	-0.02
46		1,1'-Biphenyl	1.531	1.343	12.3	83	-0.02
47		2-Chloronaphthalene	1.205	1.002	16.8	78	-0.02

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.272	0.255	6.3	81	-0.02
49	Acenaphthylene	1.756	1.709	2.7	90	0.00
50	Dimethylphthalate	1.455	1.277	12.2	81	-0.01
51	2,6-Dinitrotoluene	0.237	0.250	-5.5	91	-0.01
52 C	Acenaphthene	1.206	0.993	17.7	76	0.00
53	3-Nitroaniline	0.291	0.290	0.3	86	-0.01
54 P	2,4-Dinitrophenol	0.100	0.086	14.0	83	0.00
55	Dibenzofuran	1.822	1.545	15.2	79	0.00
56 P	4-Nitrophenol	0.290	0.237	18.3	80	-0.01
57	2,4-Dinitrotoluene	0.347	0.340	2.0	83	0.00
58	Fluorene	1.427	1.261	11.6	84	0.00
59	2,3,4,6-Tetrachlorophenol	0.330	0.323	2.1	85	-0.01
60	Diethylphthalate	1.463	1.280	12.5	79	0.00
61	4-Chlorophenyl-phenylether	0.713	0.604	15.3	79	0.00
62	4-Nitroaniline	0.311	0.294	5.5	83	0.00
63	Azobenzene	1.325	1.161	12.4	81	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	0.077	0.065	15.6	84	0.00
66 c	n-Nitrosodiphenylamine	0.625	0.526	15.8	80	0.00
67	4-Bromophenyl-phenylether	0.222	0.182	18.0	78	0.00
68	Hexachlorobenzene	0.253	0.207	18.2	79	0.00
69	Atrazine	0.211	0.196	7.1	88	0.00
70 C	Pentachlorophenol	0.154	0.130	15.6	80	0.00
71	Phenanthrene	1.164	0.952	18.2	79	0.00
72	Anthracene	1.154	0.964	16.5	81	0.00
73	Carbazole	1.092	0.913	16.4	79	0.00
74	Di-n-butylphthalate	1.222	1.073	12.2	79	0.00
75 C	Fluoranthene	1.358	1.125	17.2	78	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	97	0.01
77	Benzidine	0.508	0.611	-20.3	115	0.00
78	Pyrene	1.353	1.113	17.7	76	0.00
79 S	Terphenyl-d14	0.984	0.831	15.5	80	0.00
80	Butylbenzylphthalate	0.432	0.411	4.9	81	0.00
81	Benzo(a)anthracene	1.374	1.136	17.3	78	0.01
82	3,3'-Dichlorobenzidine	0.443	0.412	7.0	87	0.00
83	Chrysene	1.302	1.059	18.7	77	0.00
84	Bis(2-ethylhexyl)phthalate	0.718	0.664	7.5	78	0.01
85 c	Di-n-octyl phthalate	1.191	1.002	15.9	76	0.02
86 I	Perylene-d12	1.000	1.000	0.0	96	0.02
87	Indeno(1,2,3-cd)pyrene	1.477	1.229	16.8	75	0.01
88	Benzo(b)fluoranthene	1.242	1.058	14.8	78	0.00
89	Benzo(k)fluoranthene	1.268	1.090	14.0	79	0.00
90 C	Benzo(a)pyrene	1.141	0.999	12.4	79	0.00
91	Dibenzo(a,h)anthracene	1.202	1.018	15.3	77	0.02
92	Benzo(g,h,i)perylene	1.156	0.979	15.3	77	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	96	-0.05
2		1,4-Dioxane	40.000	33.303	16.7	79	-0.02
3		Pyridine	40.000	32.670	18.3	77	-0.03
4		n-Nitrosodimethylamine	40.000	35.142	12.1	84	-0.03
5	S	2-Fluorophenol	80.000	68.429	14.5	80	-0.05
6		Aniline	40.000	35.839	10.4	84	-0.05
7	S	Phenol-d6	80.000	68.090	14.9	79	-0.05
8		2-Chlorophenol	40.000	34.596	13.5	80	-0.05
9		Benzaldehyde	40.000	46.027	-15.1	110	-0.05
10	C	Phenol	40.000	33.813	15.5	79	-0.05
11		bis(2-Chloroethyl)ether	40.000	33.880	15.3	80	-0.05
12		1,3-Dichlorobenzene	40.000	34.538	13.7	81	-0.05
13	C	1,4-Dichlorobenzene	40.000	35.099	12.3	83	-0.05
14		1,2-Dichlorobenzene	40.000	35.092	12.3	83	-0.04
15		Benzyl Alcohol	40.000	35.185	12.0	83	-0.05
16		2,2'-oxybis(1-Chloropropane	40.000	33.526	16.2	78	-0.03
17		2-Methylphenol	40.000	34.998	12.5	80	-0.04
18		Hexachloroethane	40.000	34.560	13.6	80	-0.05
19	P	n-Nitroso-di-n-propylamine	40.000	36.340	9.1	82	-0.05
20		3+4-Methylphenols	40.000	34.245	14.4	80	-0.05
21	I	Naphthalene-d8	20.000	20.000	0.0	97	-0.04
22		Acetophenone	40.000	35.756	10.6	85	-0.05
23	S	Nitrobenzene-d5	80.000	68.652	14.2	79	-0.04
24		Nitrobenzene	40.000	34.825	12.9	80	-0.04
25		Isophorone	40.000	35.069	12.3	81	-0.05
26	C	2-Nitrophenol	40.000	36.106	9.7	83	-0.04
27		2,4-Dimethylphenol	40.000	37.573	6.1	87	-0.05
28		bis(2-Chloroethoxy)methane	40.000	34.454	13.9	81	-0.03
29	C	2,4-Dichlorophenol	40.000	34.599	13.5	78	-0.03
30		1,2,4-Trichlorobenzene	40.000	35.441	11.4	84	-0.04
31		Naphthalene	40.000	33.888	15.3	80	-0.04
32		Benzoic acid	40.000	37.646	5.9	87	-0.09
33		4-Chloroaniline	40.000	38.877	2.8	90	-0.03
34	C	Hexachlorobutadiene	40.000	33.876	15.3	80	-0.04
35		Caprolactam	40.000	34.833	12.9	80	-0.07
36	C	4-Chloro-3-methylphenol	40.000	34.690	13.3	78	-0.04
37		2-Methylnaphthalene	40.000	30.988	22.5	72	-0.03
38		1-Methylnaphthalene	40.000	32.934	17.7	77	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	34.481	13.8	81	-0.03
41	P	Hexachlorocyclopentadiene	40.000	47.197	-18.0	109	-0.03
42	S	2,4,6-Tribromophenol	80.000	72.809	9.0	80	0.00
43	C	2,4,6-Trichlorophenol	40.000	36.282	9.3	80	-0.02
44		2,4,5-Trichlorophenol	40.000	35.326	11.7	78	-0.03
45	S	2-Fluorobiphenyl	80.000	67.037	16.2	79	-0.02
46		1,1'-Biphenyl	40.000	35.073	12.3	83	-0.02
47		2-Chloronaphthalene	40.000	33.277	16.8	78	-0.02

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	33.821	15.4	81	-0.02
49		Acenaphthylene	40.000	38.923	2.7	90	0.00
50		Dimethylphthalate	40.000	35.112	12.2	81	-0.01
51		2,6-Dinitrotoluene	40.000	37.528	6.2	91	-0.01
52	C	Acenaphthene	40.000	32.961	17.6	76	0.00
53		3-Nitroaniline	40.000	36.037	9.9	86	-0.01
54	P	2,4-Dinitrophenol	40.000	36.040	9.9	83	0.00
55		Dibenzofuran	40.000	33.938	15.2	79	0.00
56	P	4-Nitrophenol	40.000	32.703	18.2	80	-0.01
57		2,4-Dinitrotoluene	40.000	35.013	12.5	83	0.00
58		Fluorene	40.000	35.342	11.6	84	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.197	2.0	85	-0.01
60		Diethylphthalate	40.000	35.015	12.5	79	0.00
61		4-Chlorophenyl-phenylether	40.000	33.928	15.2	79	0.00
62		4-Nitroaniline	40.000	37.891	5.3	83	0.00
63		Azobenzene	40.000	35.051	12.4	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	40.000	35.409	11.5	84	0.00
66	c	n-Nitrosodiphenylamine	40.000	33.661	15.8	80	0.00
67		4-Bromophenyl-phenylether	40.000	32.800	18.0	78	0.00
68		Hexachlorobenzene	40.000	32.804	18.0	79	0.00
69		Atrazine	40.000	37.108	7.2	88	0.00
70	C	Pentachlorophenol	40.000	33.716	15.7	80	0.00
71		Phenanthrene	40.000	32.726	18.2	79	0.00
72		Anthracene	40.000	33.409	16.5	81	0.00
73		Carbazole	40.000	33.421	16.4	79	0.00
74		Di-n-butylphthalate	40.000	35.126	12.2	79	0.00
75	C	Fluoranthene	40.000	33.126	17.2	78	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	97	0.01
77		Benzidine	40.000	48.151	-20.4	115	0.00
78		Pyrene	40.000	32.912	17.7	76	0.00
79	S	Terphenyl-d14	80.000	67.515	15.6	80	0.00
80		Butylbenzylphthalate	40.000	33.630	15.9	81	0.00
81		Benzo(a)anthracene	40.000	33.052	17.4	78	0.01
82		3,3'-Dichlorobenzidine	40.000	37.253	6.9	87	0.00
83		Chrysene	40.000	32.526	18.7	77	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	33.750	15.6	78	0.01
85	c	Di-n-octyl phthalate	40.000	33.668	15.8	76	0.02
86	I	Perylene-d12	20.000	20.000	0.0	96	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	33.295	16.8	75	0.01
88		Benzo(b)fluoranthene	40.000	34.098	14.8	78	0.00
89		Benzo(k)fluoranthene	40.000	34.381	14.0	79	0.00
90	C	Benzo(a)pyrene	40.000	35.024	12.4	79	0.00
91		Dibenzo(a,h)anthracene	40.000	33.879	15.3	77	0.02
92		Benzo(g,h,i)perylene	40.000	33.862	15.3	77	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG No.: Q3534
Instrument ID: BNA_F
Calibration Date/Time: 11/06/2025 11:13
Lab File ID: BF144180.D
Init. Calib. Date(s): 11/05/2025 11/05/2025
EPA Sample No.: SSTDCCC040
Init. Calib. Time(s): 12:50 16:49
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.335		4.5	
Benzaldehyde	0.818	0.829		1.3	
Phenol-d6	1.448	1.506		4.0	
Phenol	1.769	1.823		3.1	20.0
bis(2-Chloroethyl)ether	1.289	1.333		3.4	
2-Chlorophenol	1.253	1.297		3.5	
2-Methylphenol	0.997	1.048		5.1	
2,2-oxybis(1-Chloropropane)	2.374	2.494		5.1	
Acetophenone	0.429	0.431		0.5	
3+4-Methylphenols	1.175	1.214		3.3	
n-Nitroso-di-n-propylamine	0.953	0.973	0.050	2.1	
Nitrobenzene-d5	0.346	0.359		3.8	
Hexachloroethane	0.515	0.548		6.4	
Nitrobenzene	0.376	0.386		2.7	
Isophorone	0.655	0.683		4.3	
2-Nitrophenol	0.186	0.194		4.3	20.0
2,4-Dimethylphenol	0.279	0.293		5.0	
bis(2-Chloroethoxy)methane	0.409	0.423		3.4	
2,4-Dichlorophenol	0.322	0.325		0.9	20.0
Naphthalene	0.951	0.951		0.0	
4-Chloroaniline	0.347	0.362		4.3	
Hexachlorobutadiene	0.249	0.252		1.2	20.0
Caprolactam	0.088	0.095		8.0	
4-Chloro-3-methylphenol	0.288	0.303		5.2	20.0
2-Methylnaphthalene	0.636	0.646		1.6	
Hexachlorocyclopentadiene	0.195	0.199	0.050	2.1	
2,4,6-Trichlorophenol	0.446	0.434		-2.7	20.0
2-Fluorobiphenyl	1.354	1.280		-5.5	
2,4,5-Trichlorophenol	0.481	0.477		-0.8	
1,1-Biphenyl	1.396	1.364		-2.3	
2-Chloronaphthalene	1.191	1.154		-3.1	
2-Nitroaniline	0.344	0.363		5.5	
Dimethylphthalate	1.325	1.342		1.3	
Acenaphthylene	1.623	1.621		-0.1	
2,6-Dinitrotoluene	0.268	0.284		6.0	
3-Nitroaniline	0.293	0.312		6.5	
Acenaphthene	1.085	1.054		-2.9	20.0
2,4-Dinitrophenol	0.162	0.146	0.050	-9.9	
4-Nitrophenol	0.212	0.221	0.050	4.2	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG No.: Q3534
Instrument ID: BNA_F
Calibration Date/Time: 11/06/2025 11:13
Lab File ID: BF144180.D
Init. Calib. Date(s): 11/05/2025 11/05/2025
EPA Sample No.: SSTDCCC040
Init. Calib. Time(s): 12:50 16:49
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.505		-1.0	
2,4-Dinitrotoluene	0.359	0.389		8.4	
Diethylphthalate	1.221	1.265		3.6	
4-Chlorophenyl-phenylether	0.658	0.676		2.7	
Fluorene	1.156	1.160		0.3	
4-Nitroaniline	0.279	0.303		8.6	
4,6-Dinitro-2-methylphenol	0.136	0.135		-0.7	
n-Nitrosodiphenylamine	0.643	0.649		0.9	20.0
2,4,6-Tribromophenol	0.251	0.266		6.0	
4-Bromophenyl-phenylether	0.255	0.263		3.1	
Hexachlorobenzene	0.301	0.313		4.0	
Atrazine	0.205	0.207		1.0	
Pentachlorophenol	0.150	0.157		4.7	20.0
Phenanthrene	0.996	1.023		2.7	
Anthracene	1.013	1.026		1.3	
Carbazole	0.861	0.882		2.4	
Di-n-butylphthalate	1.041	1.100		5.7	
Fluoranthene	1.029	1.076		4.6	20.0
Pyrene	1.613	1.763		9.3	
Terphenyl-d14	1.259	1.373		9.1	
Butylbenzylphthalate	0.559	0.622		11.3	
3,3-Dichlorobenzidine	0.475	0.470		-1.1	
Benzo(a)anthracene	1.386	1.411		1.8	
Chrysene	1.280	1.333		4.1	
Bis(2-ethylhexyl)phthalate	0.765	0.798		4.3	
Di-n-octyl phthalate	1.320	1.296		-1.8	20.0
Benzo(b)fluoranthene	1.137	1.113		-2.1	
Benzo(k)fluoranthene	1.064	1.156		8.6	
Benzo(a)pyrene	1.049	1.084		3.3	20.0
Indeno(1,2,3-cd)pyrene	1.436	1.493		4.0	
Dibenzo(a,h)anthracene	1.153	1.196		3.7	
Benzo(g,h,i)perylene	1.139	1.197		5.1	
1,2,4,5-Tetrachlorobenzene	0.655	0.655		0.0	
1,4-Dioxane	0.528	0.558		5.7	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.347		2.1	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Sample Results: **BF144180.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144180.D
Acq On : 06 Nov 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 06 11:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	77162	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	299960	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	175155	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	301670	20.000	ng	0.00
76) Chrysene-d12	14.057	240	184652	20.000	ng	0.00
86) Perylene-d12	15.539	264	216041	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	412062	83.568	ng	0.00
7) Phenol-d6	6.504	99	464824	83.196	ng	0.00
23) Nitrobenzene-d5	7.440	82	430300	82.851	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	186707	84.944	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	896864	75.625	ng	0.00
79) Terphenyl-d14	12.992	244	1014109	87.235	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	86176	42.273	ng	96
3) Pyridine	3.381	79	246430	43.329	ng	98
4) n-Nitrosodimethylamine	3.334	42	128629	43.298	ng	99
6) Aniline	6.540	93	332605	41.783	ng	98
8) 2-Chlorophenol	6.657	128	200122	41.385	ng	98
9) Benzaldehyde	6.428	77	127860	40.527	ng	97
10) Phenol	6.516	94	281330	41.213	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	205644	41.344	ng	98
12) 1,3-Dichlorobenzene	6.816	146	244627	40.996	ng	97
13) 1,4-Dichlorobenzene	6.893	146	245191	41.015	ng	100
14) 1,2-Dichlorobenzene	7.045	146	234848	40.987	ng	99
15) Benzyl Alcohol	7.016	79	183128	41.394	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	384897	42.021	ng	100
17) 2-Methylphenol	7.128	107	161770	42.052	ng	99
18) Hexachloroethane	7.387	117	84498	42.545	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	150190	40.835	ng	98
20) 3+4-Methylphenols	7.281	107	187407	41.326	ng	99
22) Acetophenone	7.287	105	258423	40.160	ng	99
24) Nitrobenzene	7.457	77	231445	41.043	ng	99
25) Isophorone	7.698	82	409848	41.720	ng	98
26) 2-Nitrophenol	7.775	139	116137	41.604	ng	96
27) 2,4-Dimethylphenol	7.810	122	175819	42.022	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	254021	41.408	ng	98
29) 2,4-Dichlorophenol	8.016	162	195158	40.470	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	195235	39.427	ng	99
31) Naphthalene	8.181	128	570292	39.968	ng	99
32) Benzoic acid	7.922	122	108307	35.315	ng	96
33) 4-Chloroaniline	8.228	127	217206	41.738	ng	98
34) Hexachlorobutadiene	8.292	225	151142	40.500	ng	98
35) Caprolactam	8.604	113	56873	43.048	ng	95
36) 4-Chloro-3-methylphenol	8.710	107	181674	42.037	ng	99
37) 2-Methylnaphthalene	8.869	142	387454	40.614	ng	100
38) 1-Methylnaphthalene	8.969	142	369457	40.136	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	229334	39.951	ng	99
41) Hexachlorocyclopentadiene	9.022	237	69669	39.826	ng	96
43) 2,4,6-Trichlorophenol	9.151	196	152111	38.933	ng	95

Sample Results: **BF144180.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144180.D
Acq On : 06 Nov 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 06 11:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	166938	39.644 ng	99
46) 1,1'-Biphenyl	9.334	154	477827	39.082 ng	99
47) 2-Chloronaphthalene	9.363	162	404419	38.778 ng	99
48) 2-Nitroaniline	9.457	65	127167	42.260 ng	98
49) Acenaphthylene	9.775	152	567978	39.964 ng	99
50) Dimethylphthalate	9.634	163	470054	40.509 ng	100
51) 2,6-Dinitrotoluene	9.698	165	99437	42.332 ng	98
52) Acenaphthene	9.951	154	369154	38.842 ng	99
53) 3-Nitroaniline	9.869	138	109186	42.522 ng	99
54) 2,4-Dinitrophenol	9.981	184	51045	35.987 ng	99
55) Dibenzofuran	10.122	168	527126	39.602 ng	99
56) 4-Nitrophenol	10.034	139	77512	41.731 ng	97
57) 2,4-Dinitrotoluene	10.104	165	136325	43.353 ng	100
58) Fluorene	10.463	166	406516	40.169 ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	121713	40.854 ng	98
60) Diethylphthalate	10.334	149	443003	41.414 ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	236731	41.066 ng	99
62) 4-Nitroaniline	10.486	138	106296	43.469 ng	99
63) Azobenzene	10.616	77	412458	41.431 ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	81746	39.889 ng	99
66) n-Nitrosodiphenylamine	10.575	169	391555	40.356 ng	99
67) 4-Bromophenyl-phenylether	10.951	248	158394	41.135 ng	98
68) Hexachlorobenzene	11.016	284	188618	41.588 ng	98
69) Atrazine	11.104	200	125179	40.569 ng	98
70) Pentachlorophenol	11.210	266	94551	41.865 ng	100
71) Phenanthrene	11.433	178	616940	41.075 ng	99
72) Anthracene	11.486	178	618922	40.525 ng	100
73) Carbazole	11.639	167	531956	40.961 ng	100
74) Di-n-butylphthalate	11.963	149	663671	42.273 ng	100
75) Fluoranthene	12.622	202	649189	41.842 ng	99
77) Benzidine	12.745	184	226599	41.487 ng	99
78) Pyrene	12.857	202	651255	43.743 ng	100
80) Butylbenzylphthalate	13.469	149	229535	44.482 ng	97
81) Benzo(a)anthracene	14.045	228	520973	40.708 ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	173413	39.531 ng	96
83) Chrysene	14.080	228	492102	41.654 ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	294872	41.744 ng	100
85) Di-n-octyl phthalate	14.645	149	478580	39.268 ng	100
87) Indeno(1,2,3-cd)pyrene	17.045	276	645112	41.598 ng	99
88) Benzo(b)fluoranthene	15.104	252	481093	39.169 ng	99
89) Benzo(k)fluoranthene	15.133	252	499580	43.456 ng	99
90) Benzo(a)pyrene	15.474	252	468327	41.332 ng	98
91) Dibenzo(a,h)anthracene	17.062	278	516567	41.475 ng	98
92) Benzo(g,h,i)perylene	17.498	276	517098	42.043 ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

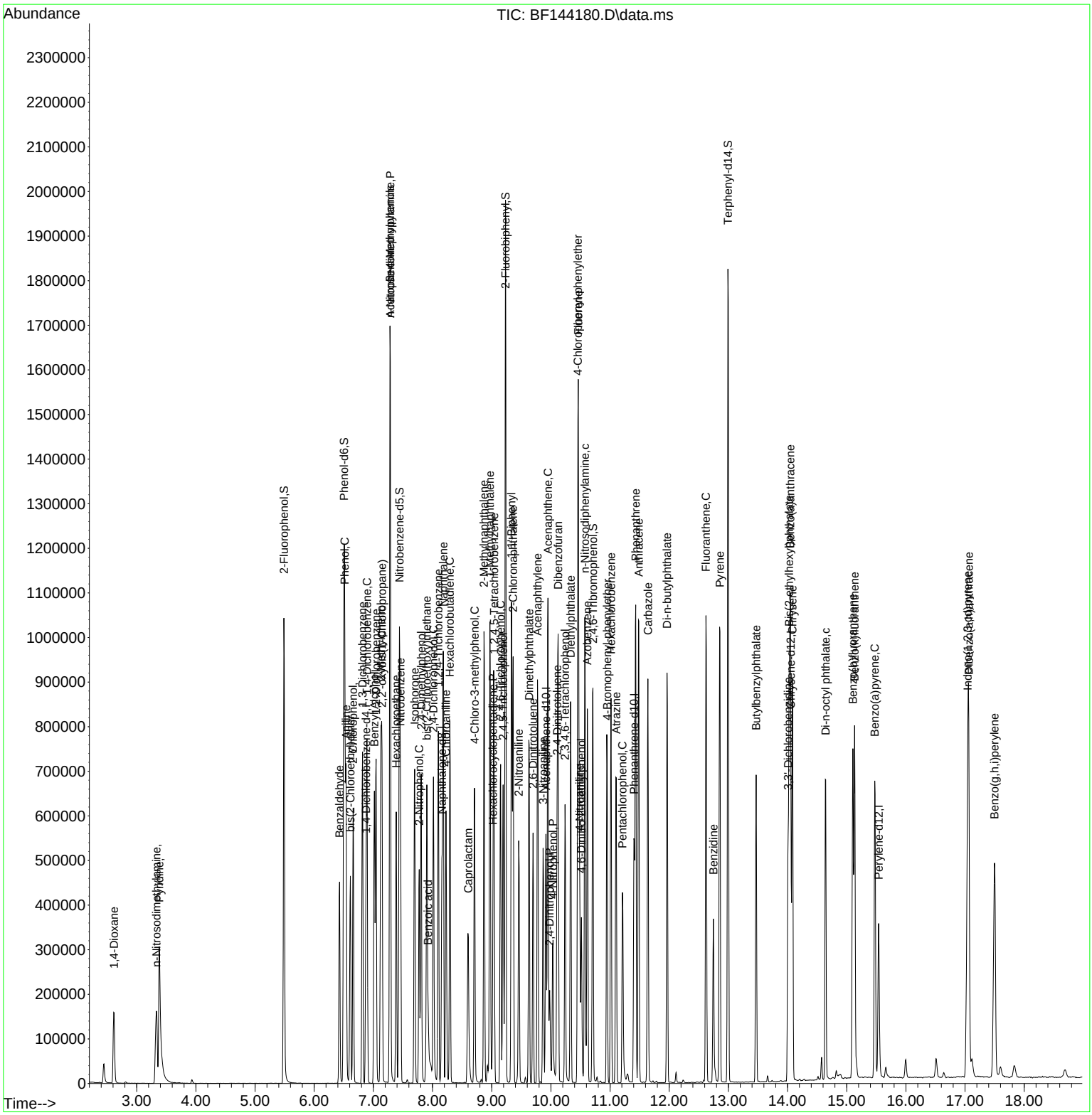
Quantitation Report (QT Reviewed)

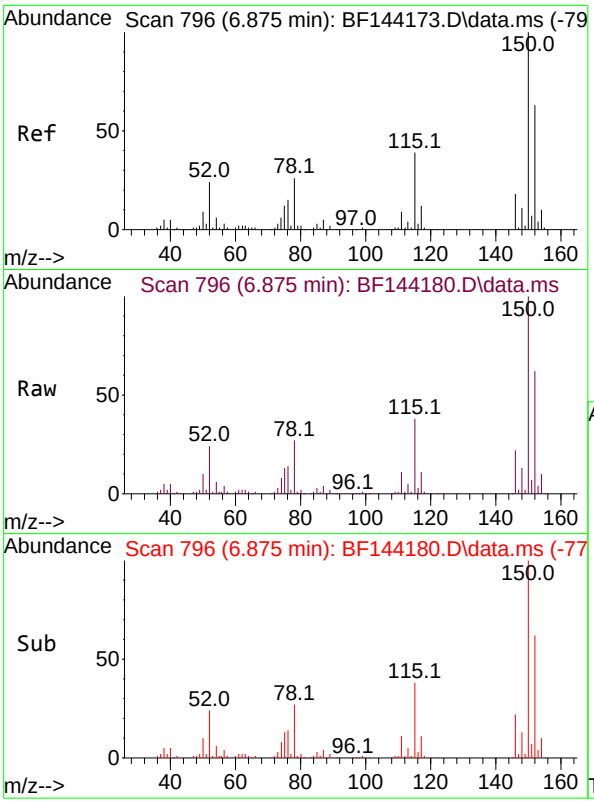
Sample Results: **BF144180.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144180.D
Acq On : 06 Nov 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 06 11:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



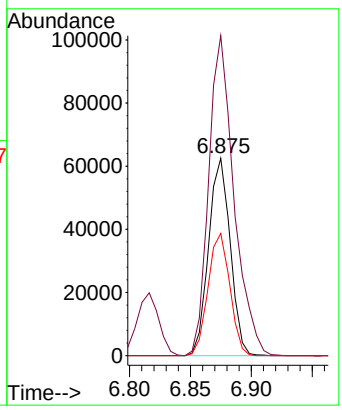


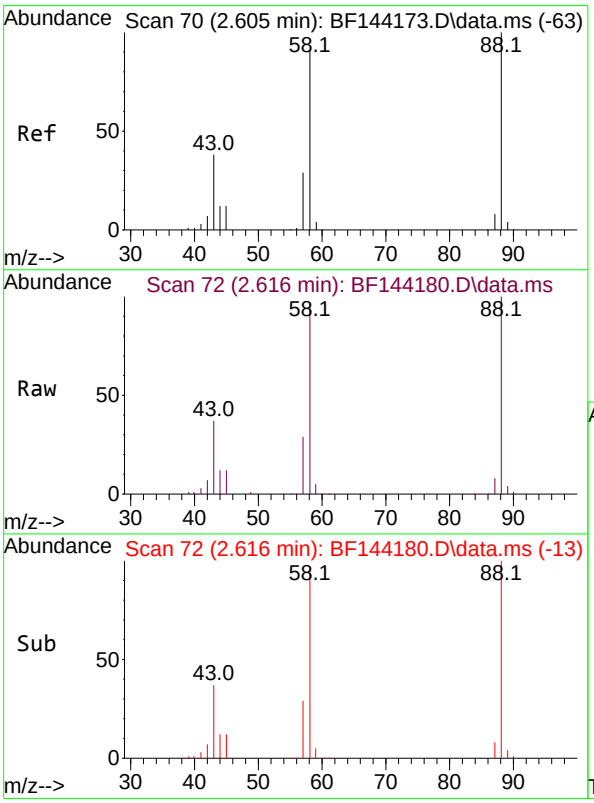
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 77162

Ion	Ratio	Lower	Upper
152	100		
150	162.1	127.4	191.0
115	61.9	49.5	74.3

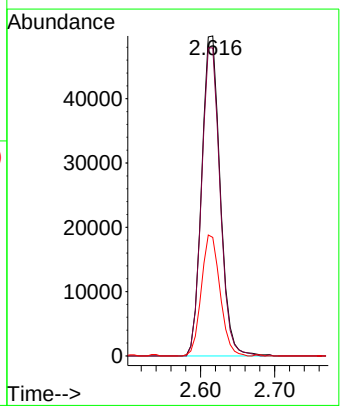


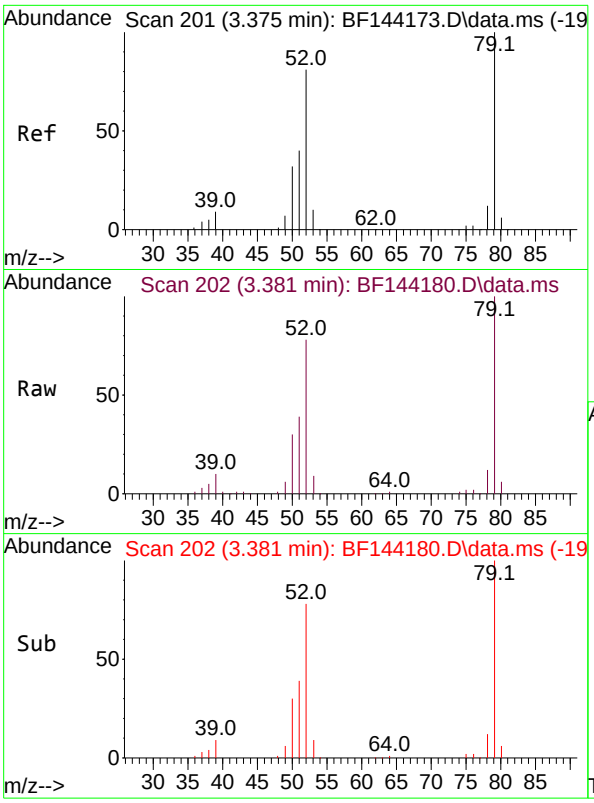


#2
1,4-Dioxane
Concen: 42.273 ng
RT: 2.616 min Scan# 72
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion: 88 Resp: 86176

Ion	Ratio	Lower	Upper
88	100		
58	96.2	73.1	109.7
43	38.2	31.0	46.6



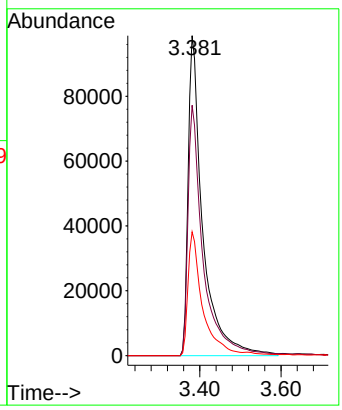


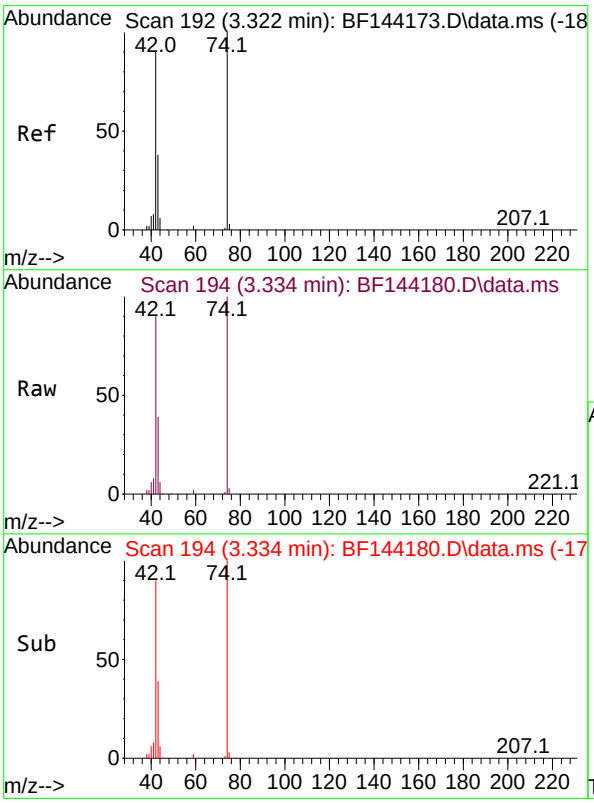
#3
Pyridine
Concen: 43.329 ng
RT: 3.381 min Scan# 2(
Delta R.T. -0.029 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 246430

Ion	Ratio	Lower	Upper
79	100		
52	78.2	64.5	96.7
51	38.7	31.7	47.5

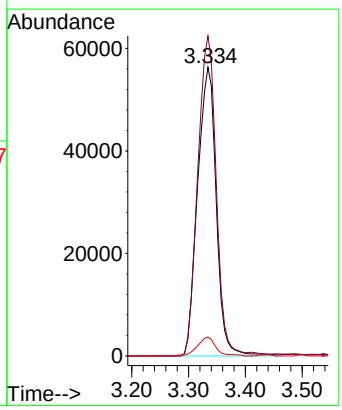


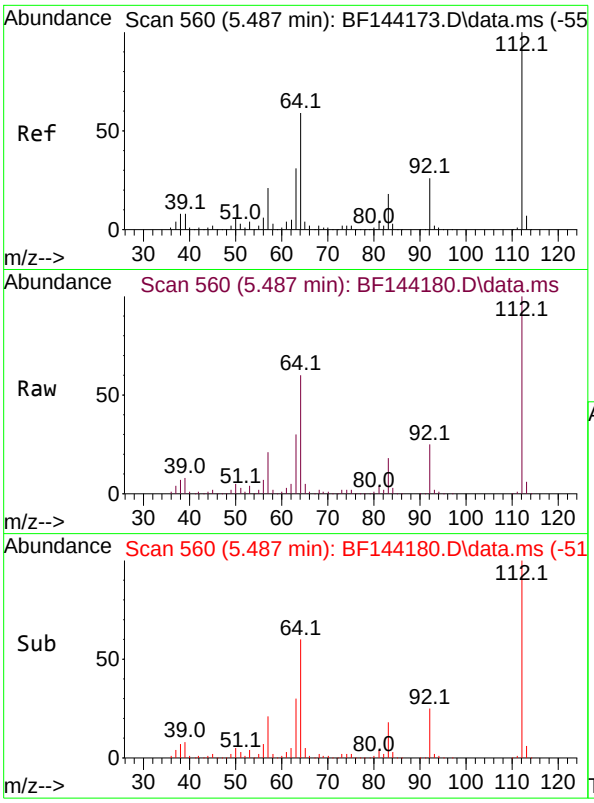


#4
n-Nitrosodimethylamine
Concen: 43.298 ng
RT: 3.334 min Scan# 194
Delta R.T. -0.012 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion: 42 Resp: 128629

Ion	Ratio	Lower	Upper
42	100		
74	110.9	88.2	132.4
44	6.5	5.7	8.5



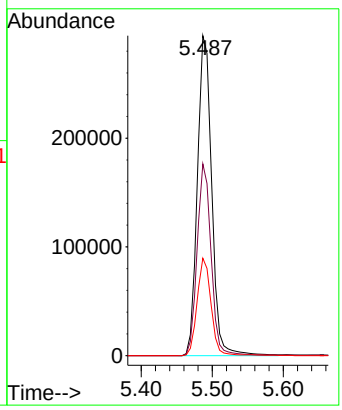


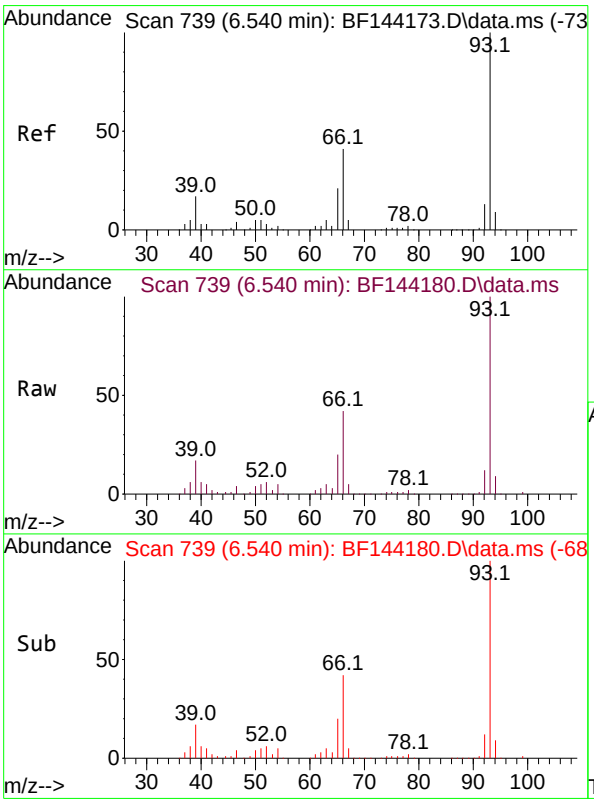
#5
2-Fluorophenol
Concen: 83.568 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 412062

Ion	Ratio	Lower	Upper
112	100		
64	59.9	47.2	70.8
63	30.4	24.4	36.6

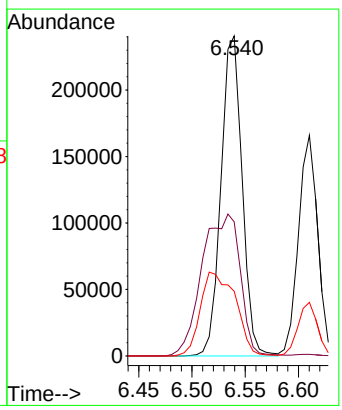


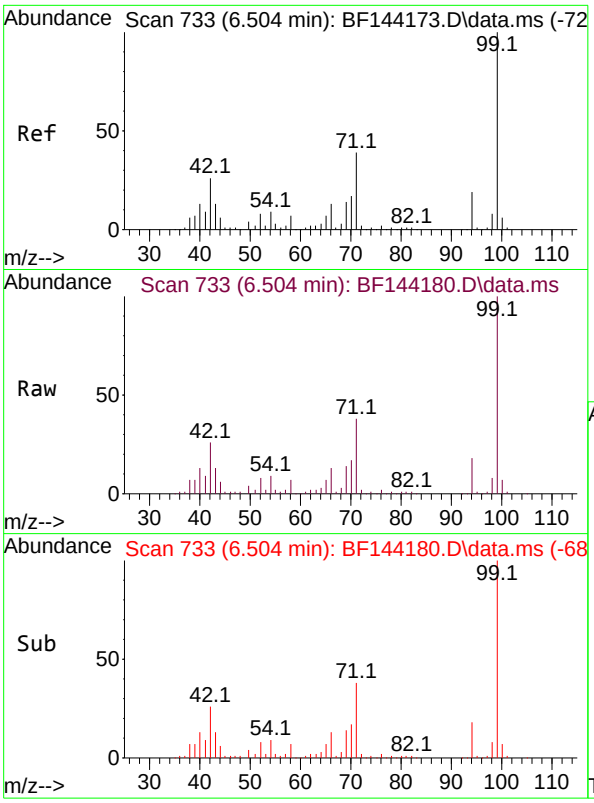


#6
Aniline
Concen: 41.783 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion: 93 Resp: 332605

Ion	Ratio	Lower	Upper
93	100		
66	41.9	34.3	51.5
65	20.2	16.9	25.3



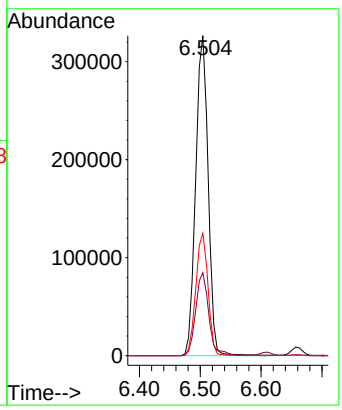


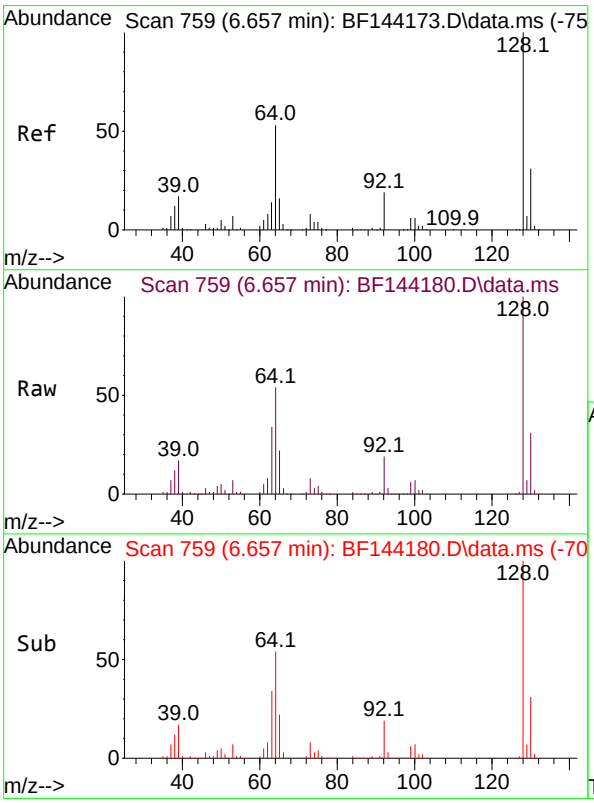
#7
Phenol-d6
Concen: 83.196 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 464824

Ion	Ratio	Lower	Upper
99	100		
42	25.9	20.9	31.3
71	38.2	31.4	47.2

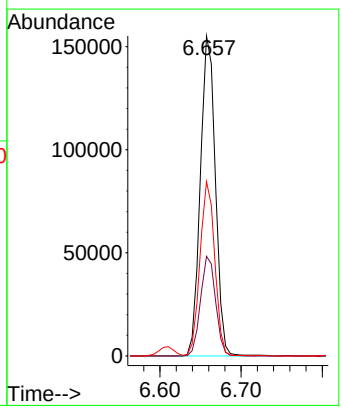


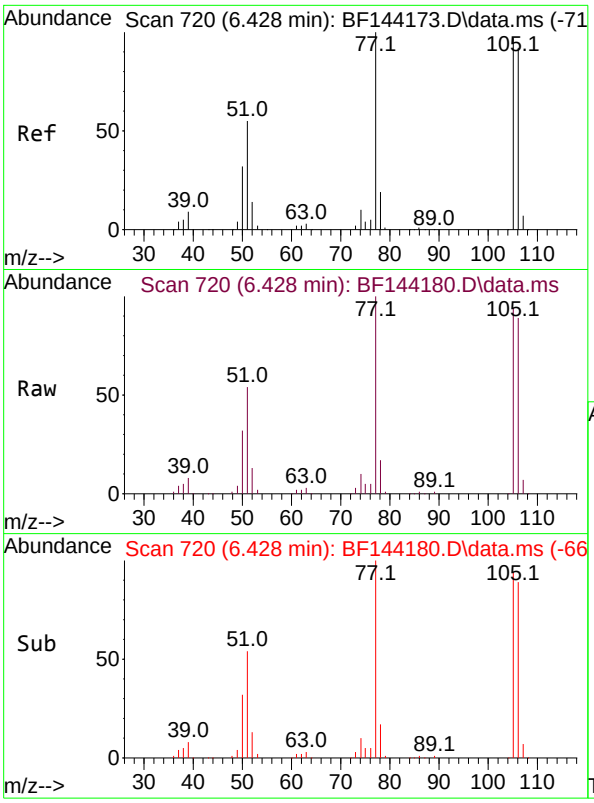


#8
2-Chlorophenol
Concen: 41.385 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:128 Resp: 200122

Ion	Ratio	Lower	Upper
128	100		
130	31.1	10.5	50.5
64	54.5	33.2	73.2



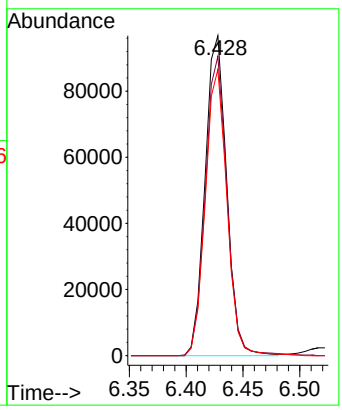


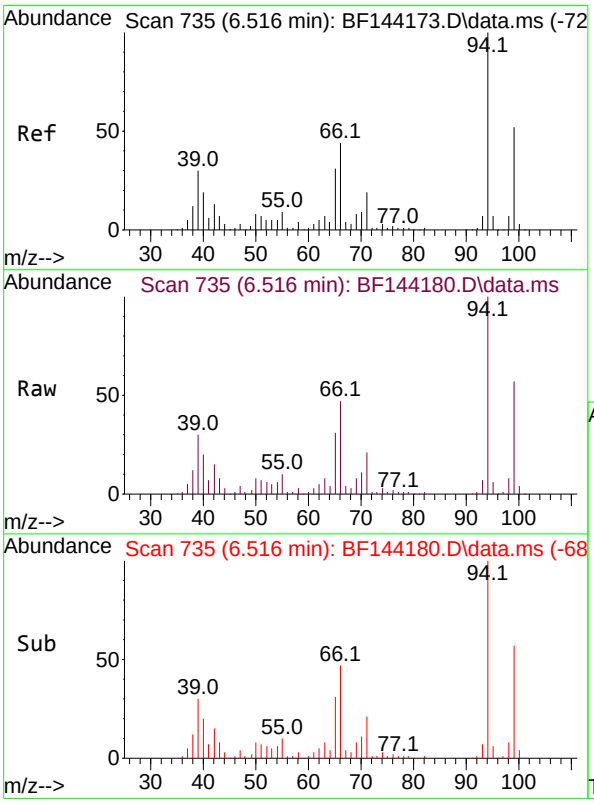
#9
Benzaldehyde
Concen: 40.527 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 127860

Ion	Ratio	Lower	Upper
77	100		
105	93.5	77.2	117.2
106	89.4	72.2	112.2

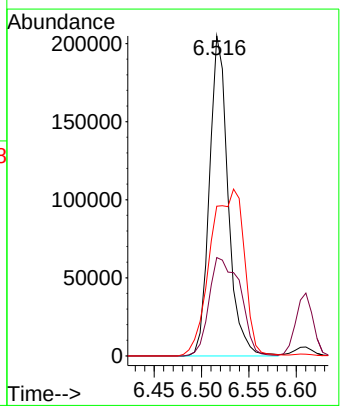


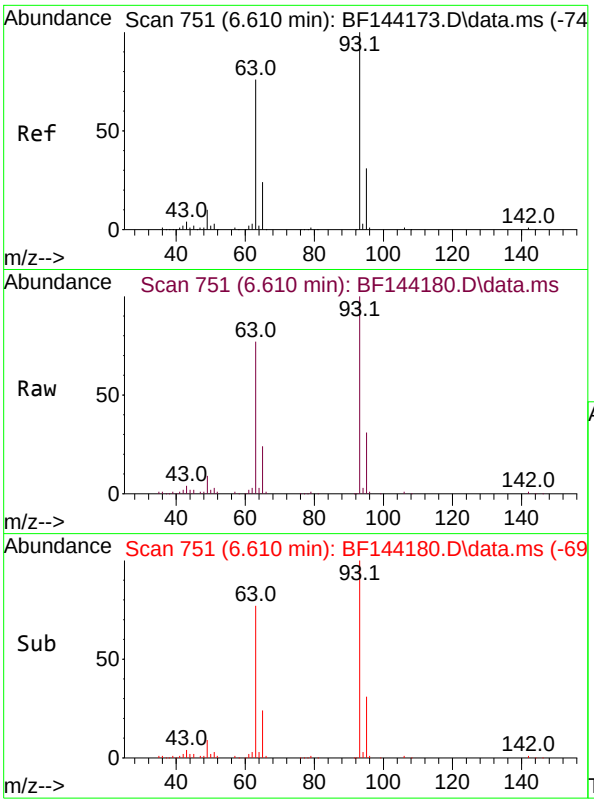


#10
Phenol
Concen: 41.213 ng
RT: 6.516 min Scan# 735
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion: 94 Resp: 281330

Ion	Ratio	Lower	Upper
94	100		
65	30.7	10.8	50.8
66	46.8	24.3	64.3



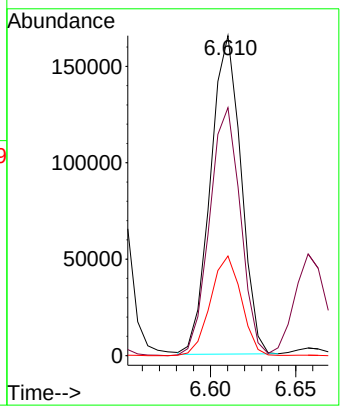


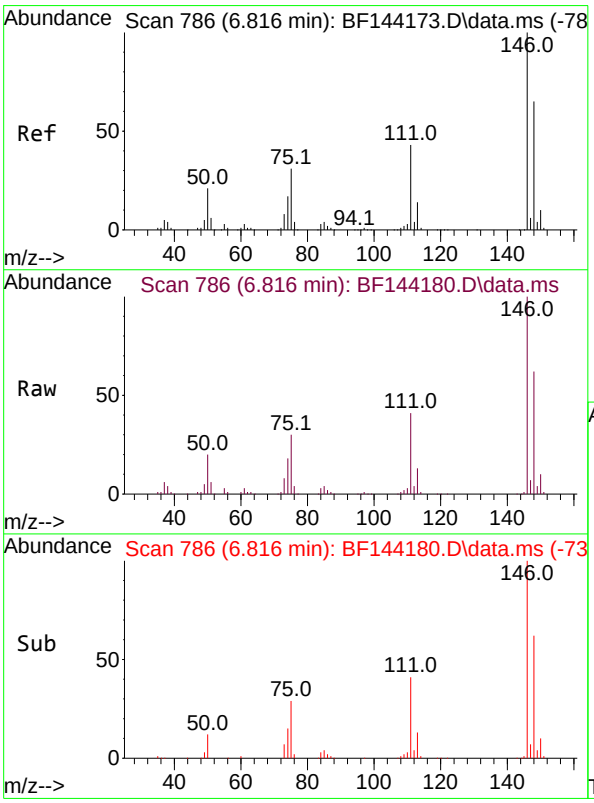
#11
bis(2-Chloroethyl)ether
Concen: 41.344 ng
RT: 6.610 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 205644

Ion	Ratio	Lower	Upper
93	100		
63	77.5	55.2	95.2
95	31.1	11.2	51.2

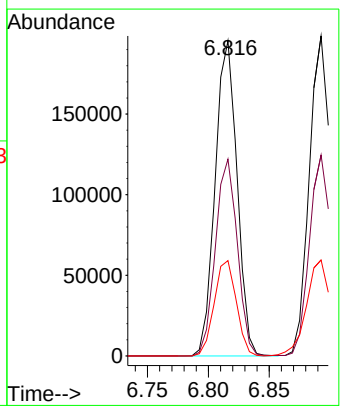


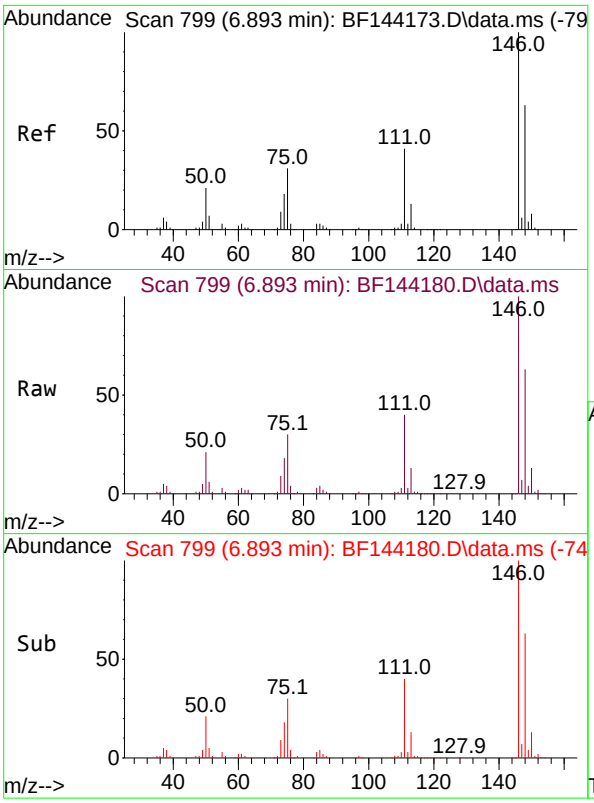


#12
1,3-Dichlorobenzene
Concen: 40.996 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:146 Resp: 244627

Ion	Ratio	Lower	Upper
146	100		
148	62.4	51.8	77.8
75	30.3	25.0	37.4



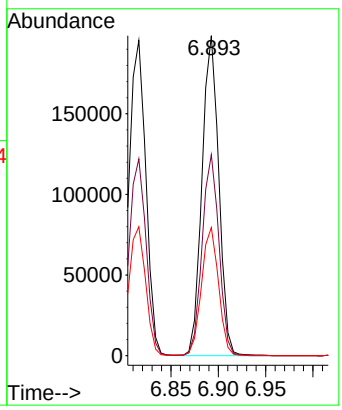


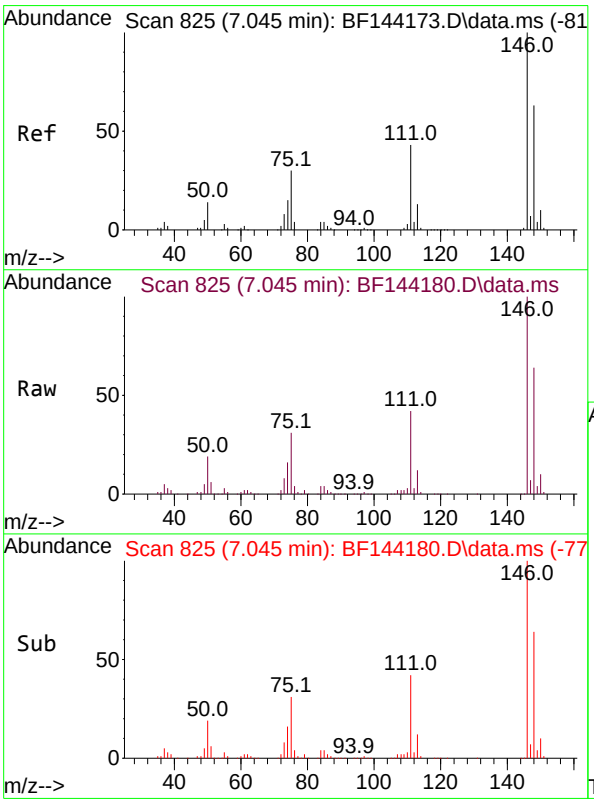
#13
1,4-Dichlorobenzene
Concen: 41.015 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 245191

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.2	75.2
111	40.0	32.6	48.8

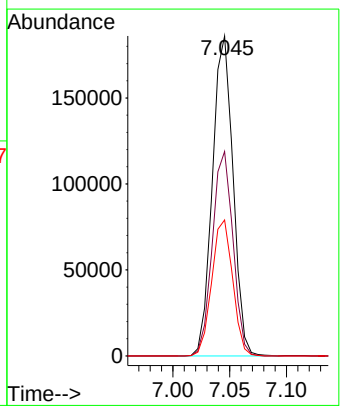


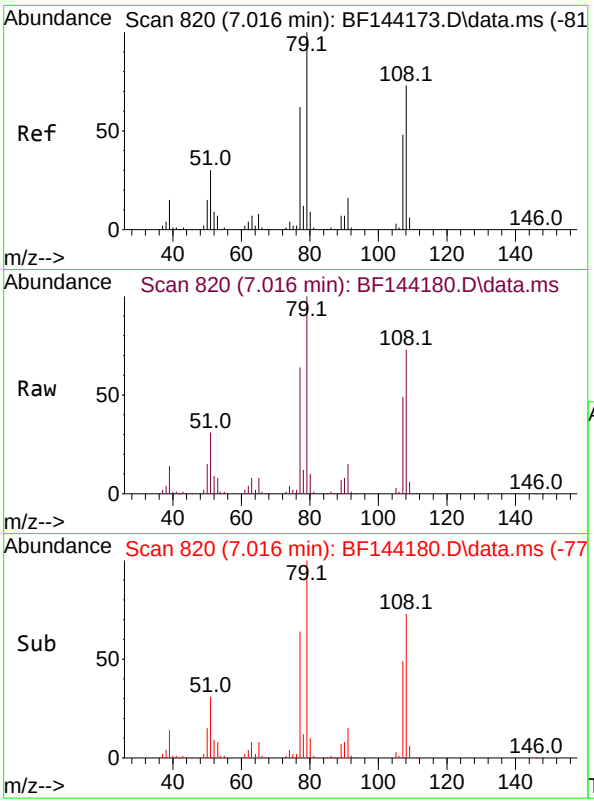


#14
1,2-Dichlorobenzene
Concen: 40.987 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:146 Resp: 234848

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.7	76.1
111	42.5	34.2	51.4



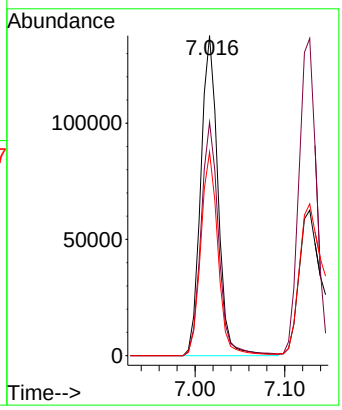


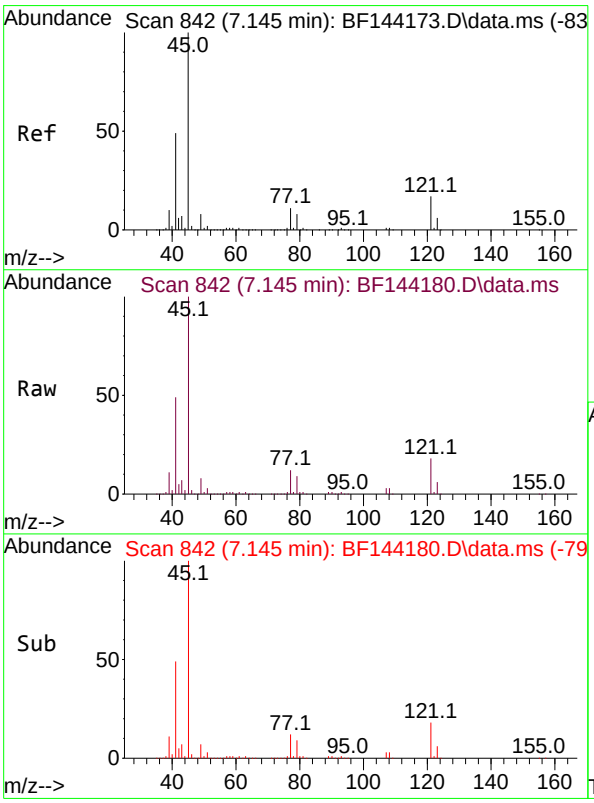
#15
Benzyl Alcohol
Concen: 41.394 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 183128

Ion	Ratio	Lower	Upper
79	100		
108	72.9	58.2	87.4
77	63.6	49.9	74.9

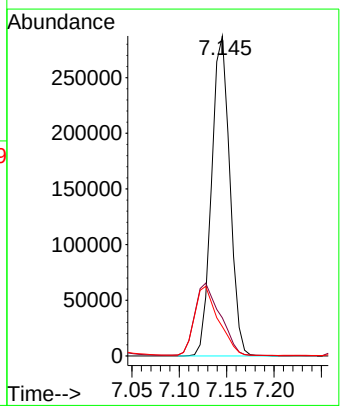


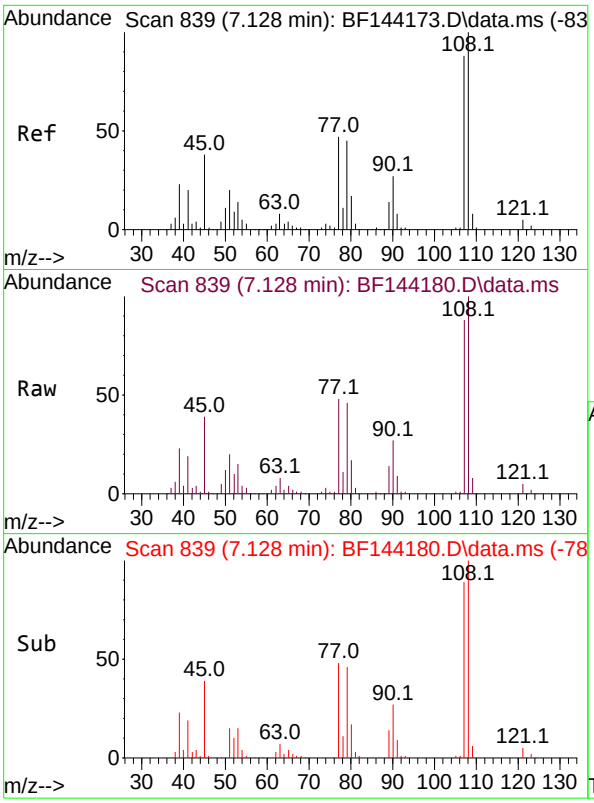


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.021 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion: 45 Resp: 384897

Ion	Ratio	Lower	Upper
45	100		
77	11.9	0.0	31.8
79	9.1	0.0	29.1



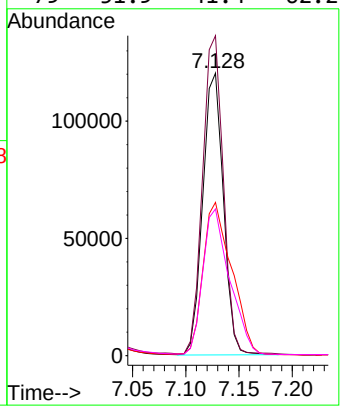


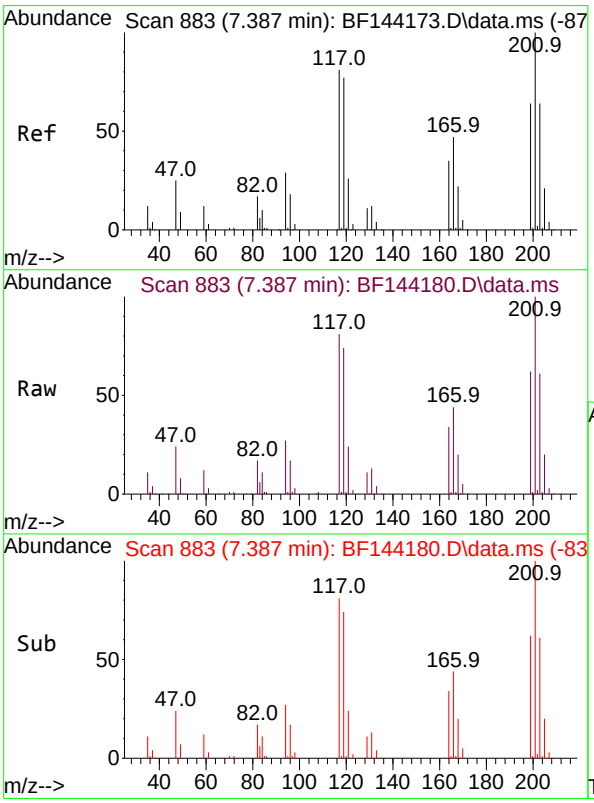
#17
2-Methylphenol
Concen: 42.052 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 161770

Ion	Ratio	Lower	Upper
107	100		
108	113.3	91.0	136.4
77	54.2	42.7	64.1
79	51.9	41.4	62.2

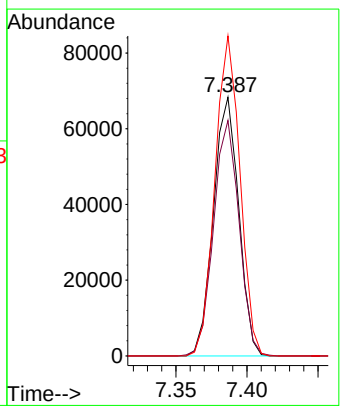


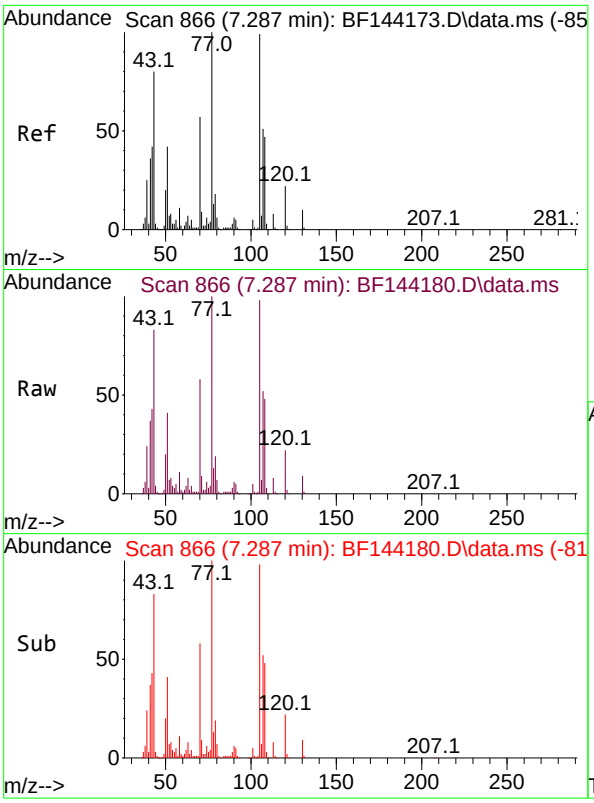


#18
Hexachloroethane
Concen: 42.545 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:117 Resp: 84498

Ion	Ratio	Lower	Upper
117	100		
119	91.0	75.8	113.8
201	123.7	98.9	148.3



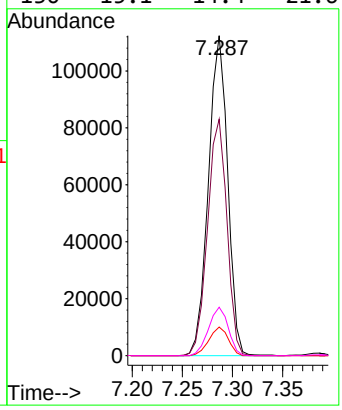


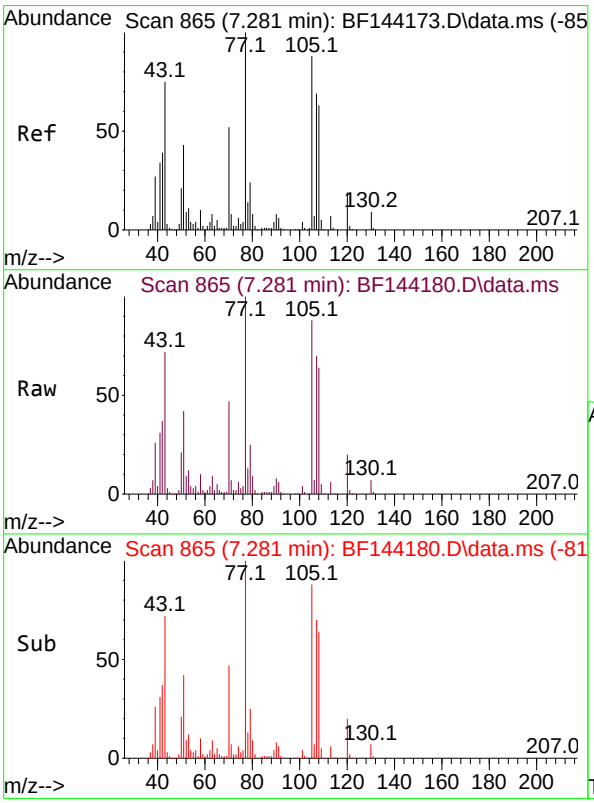
#19
n-Nitroso-di-n-propylamine
Concen: 40.835 ng
RT: 7.287 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 150190

Ion	Ratio	Lower	Upper
70	100		
42	73.9	58.3	87.5
101	8.9	7.0	10.6
130	15.1	14.4	21.6

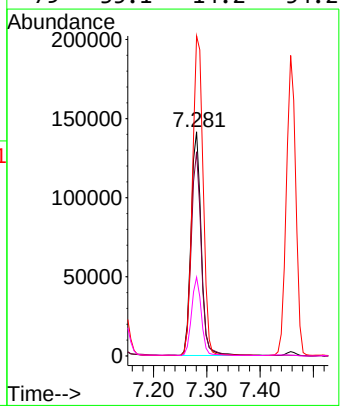


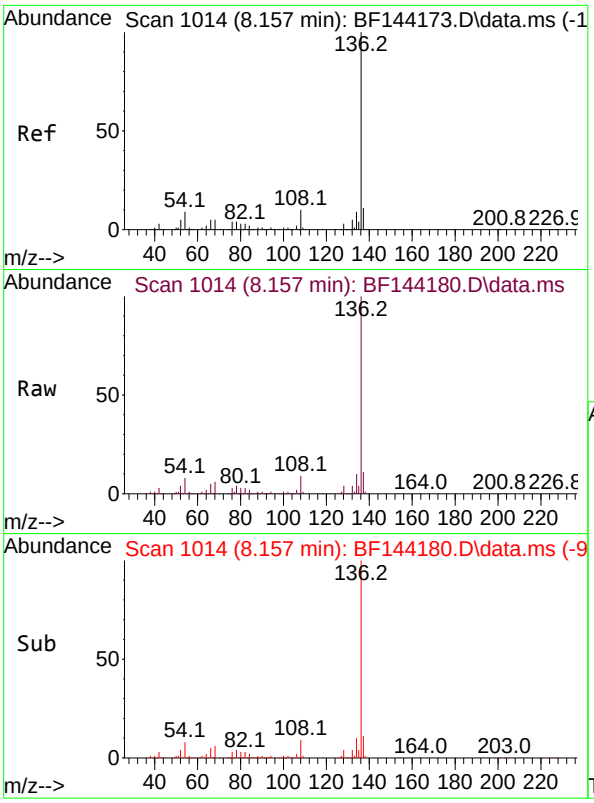


#20
3+4-Methylphenols
Concen: 41.326 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:107 Resp: 187407

Ion	Ratio	Lower	Upper
107	100		
108	91.1	70.2	110.2
77	142.8	123.9	163.9
79	35.1	14.2	54.2



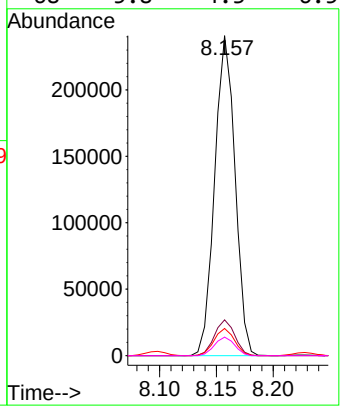


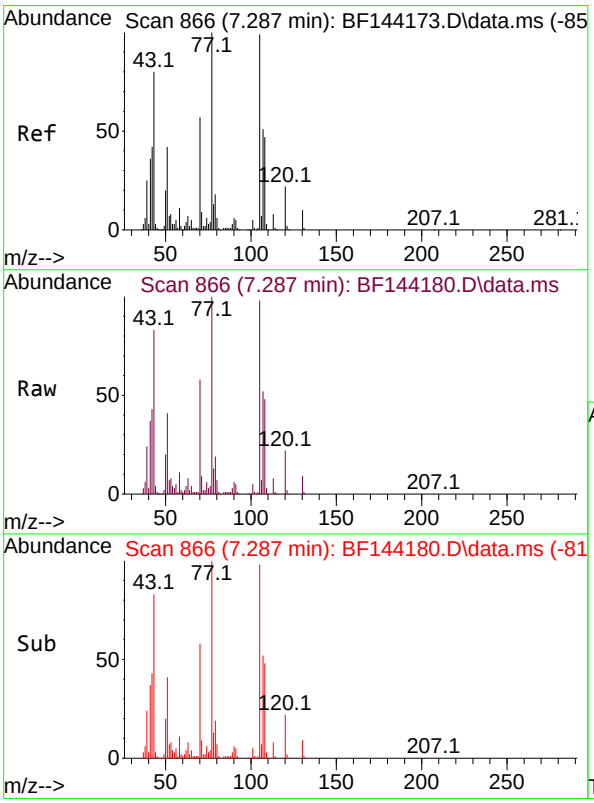
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 299960

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	8.5	7.0	10.6
68	5.8	4.3	6.5

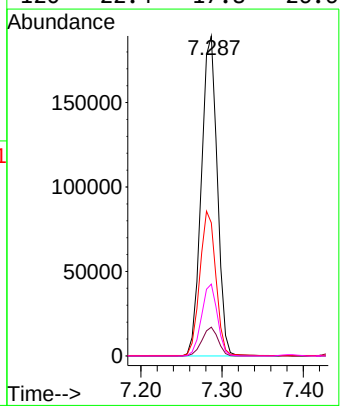


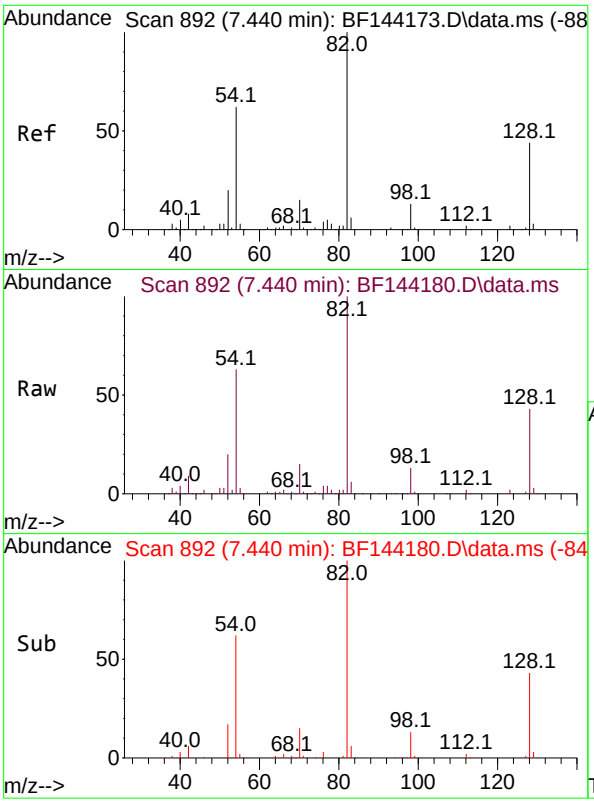


#22
Acetophenone
Concen: 40.160 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:105 Resp: 258423

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	41.6	34.0	51.0
120	22.4	17.8	26.6



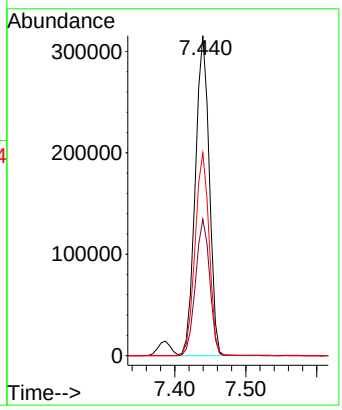


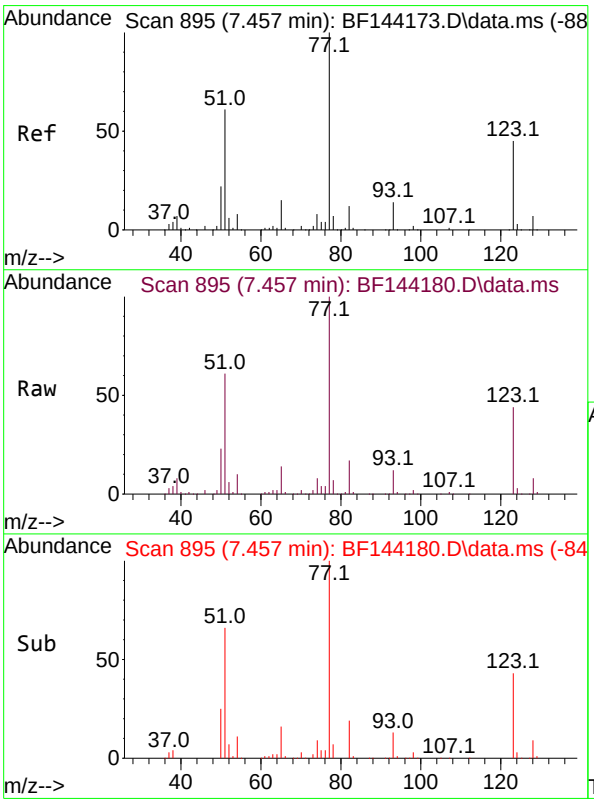
#23
Nitrobenzene-d5
Concen: 82.851 ng
RT: 7.440 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 430300

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.7	52.1
54	63.4	49.5	74.3

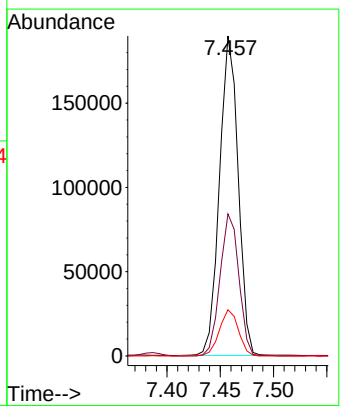


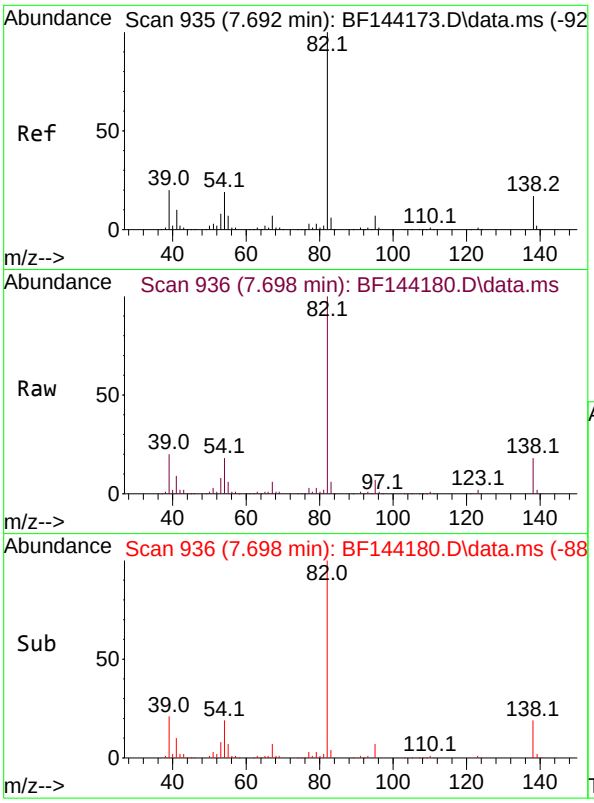


#24
Nitrobenzene
Concen: 41.043 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion: 77 Resp: 231445

Ion	Ratio	Lower	Upper
77	100		
123	44.4	35.8	53.8
65	14.4	12.2	18.2



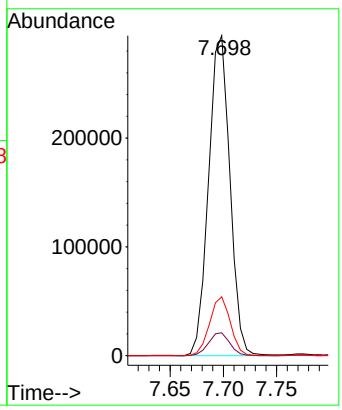


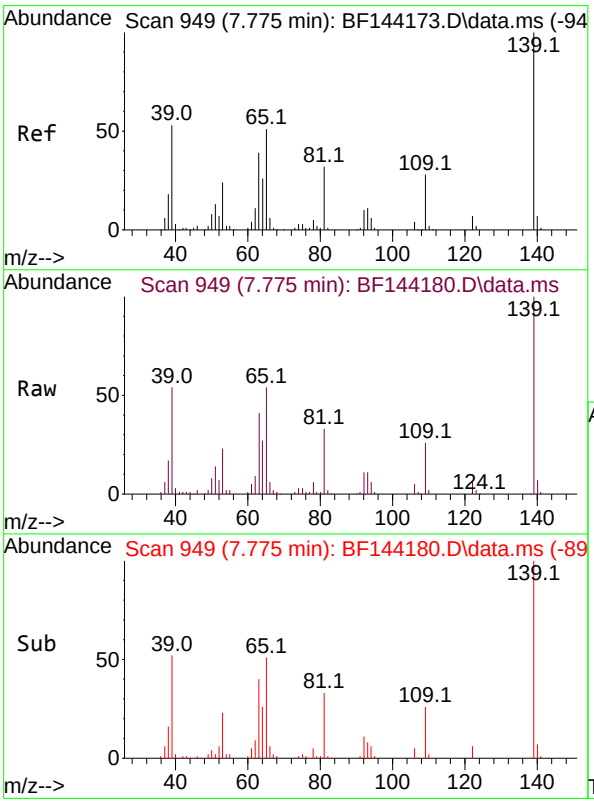
#25
Isophorone
Concen: 41.720 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 409848

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	18.4	13.7	20.5

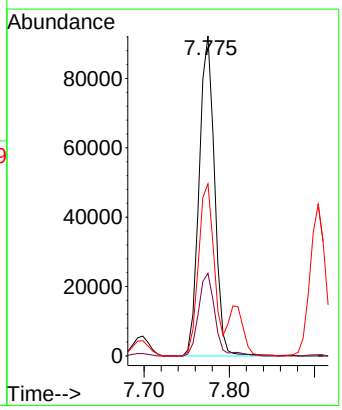


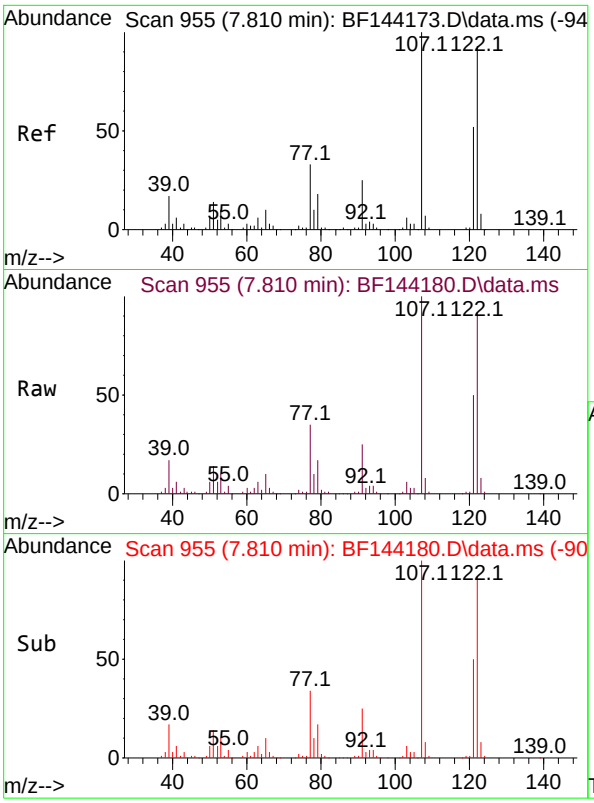


#26
2-Nitrophenol
Concen: 41.604 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:139 Resp: 116137

Ion	Ratio	Lower	Upper
139	100		
109	25.8	22.2	33.2
65	53.8	40.7	61.1



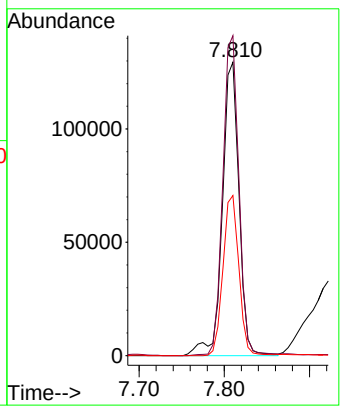


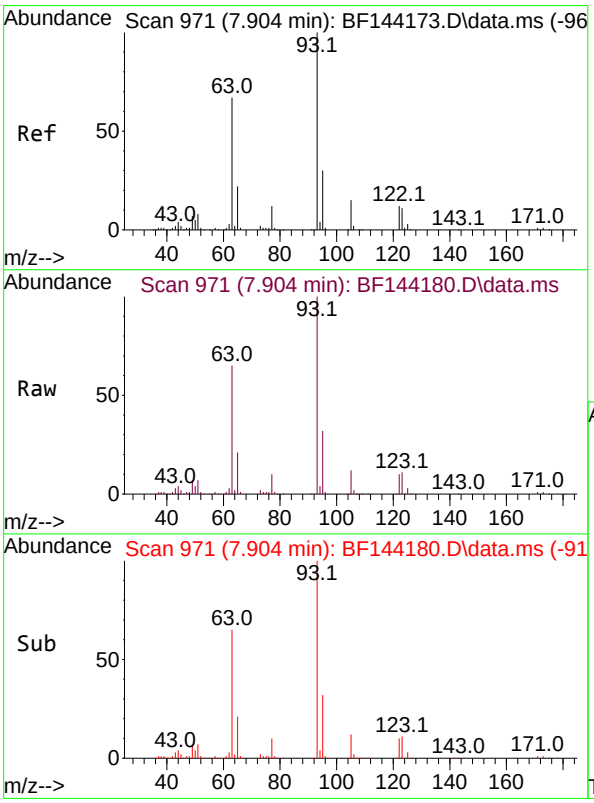
#27
2,4-Dimethylphenol
Concen: 42.022 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 175819

Ion	Ratio	Lower	Upper
122	100		
107	109.1	86.2	129.4
121	54.6	44.6	66.8

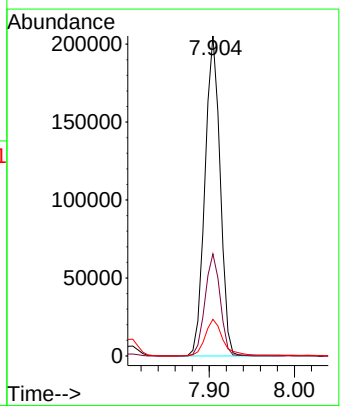


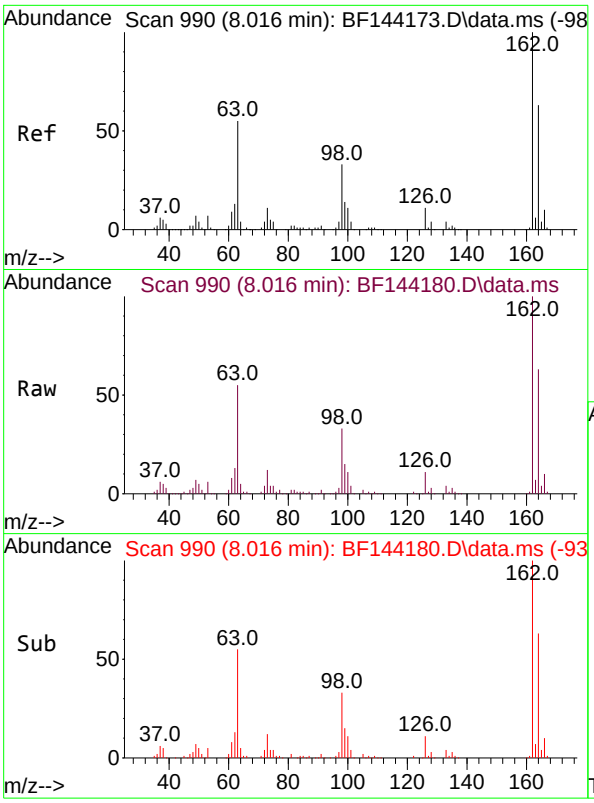


#28
bis(2-Chloroethoxy)methane
Concen: 41.408 ng
RT: 7.904 min Scan# 971
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion: 93 Resp: 254021

Ion	Ratio	Lower	Upper
93	100		
95	31.9	24.2	36.4
123	11.4	9.0	13.4



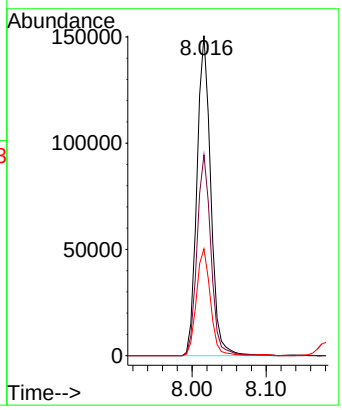


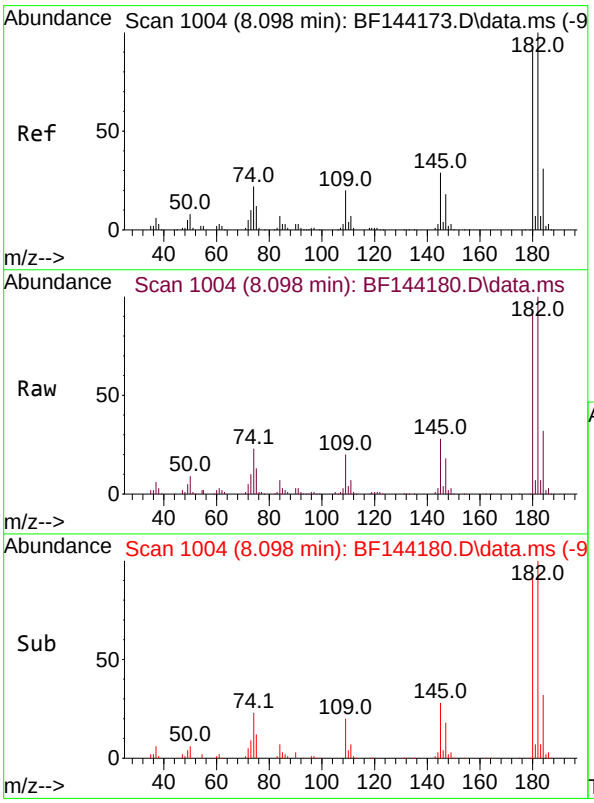
#29
2,4-Dichlorophenol
Concen: 40.470 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 195158

Ion	Ratio	Lower	Upper
162	100		
164	62.7	42.9	82.9
98	33.4	13.3	53.3

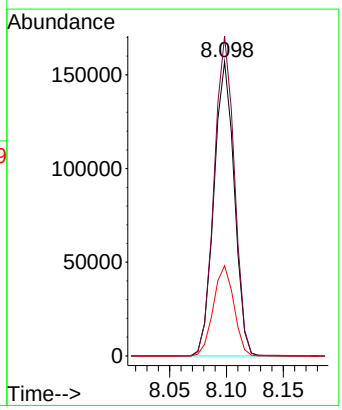


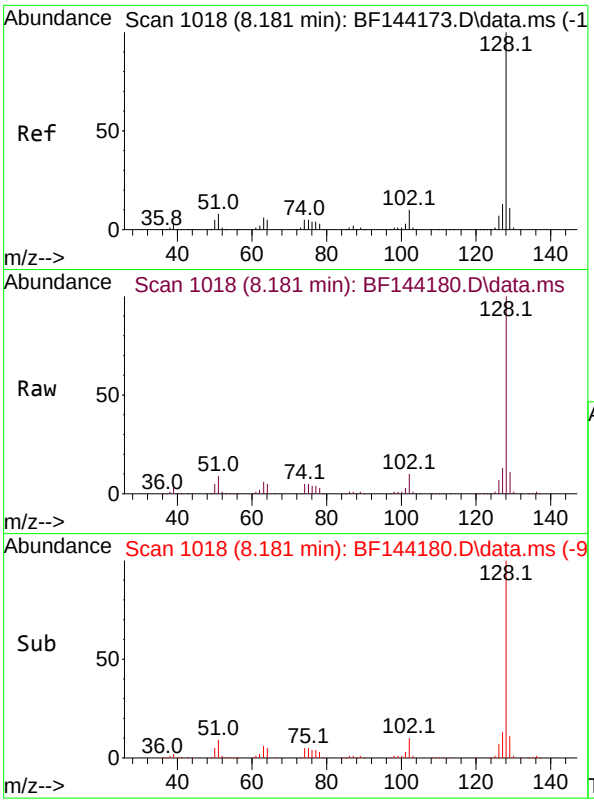


#30
1,2,4-Trichlorobenzene
Concen: 39.427 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:180 Resp: 195235

Ion	Ratio	Lower	Upper
180	100		
182	108.8	87.7	131.5
145	30.6	25.4	38.0



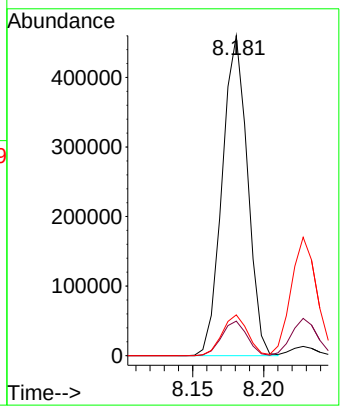


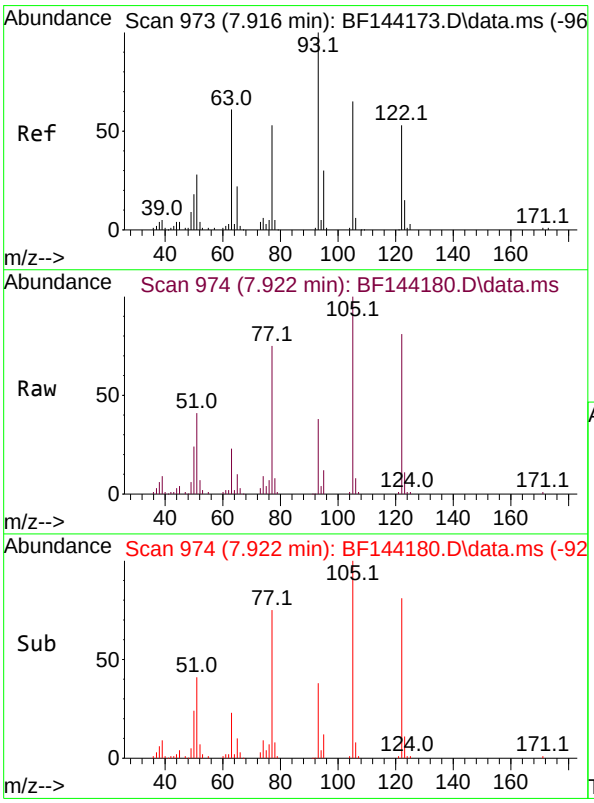
#31
Naphthalene
Concen: 39.968 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 570292

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	12.7	10.3	15.5

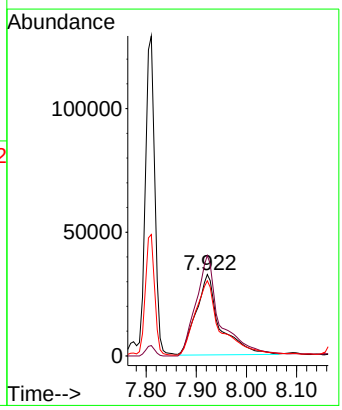


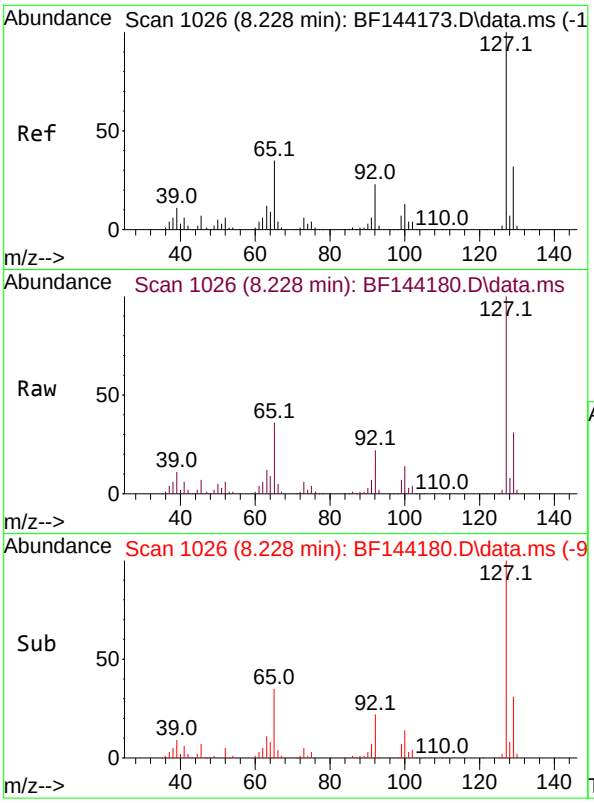


#32
Benzoic acid
Concen: 35.315 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.029 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:122 Resp: 108307

Ion	Ratio	Lower	Upper
122	100		
105	123.4	99.9	139.9
77	92.2	77.5	117.5



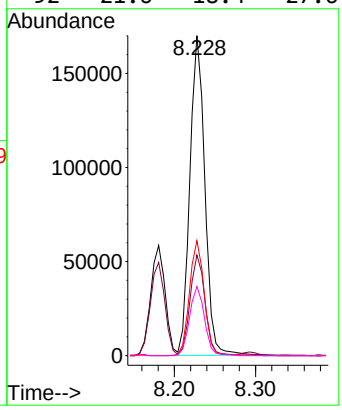


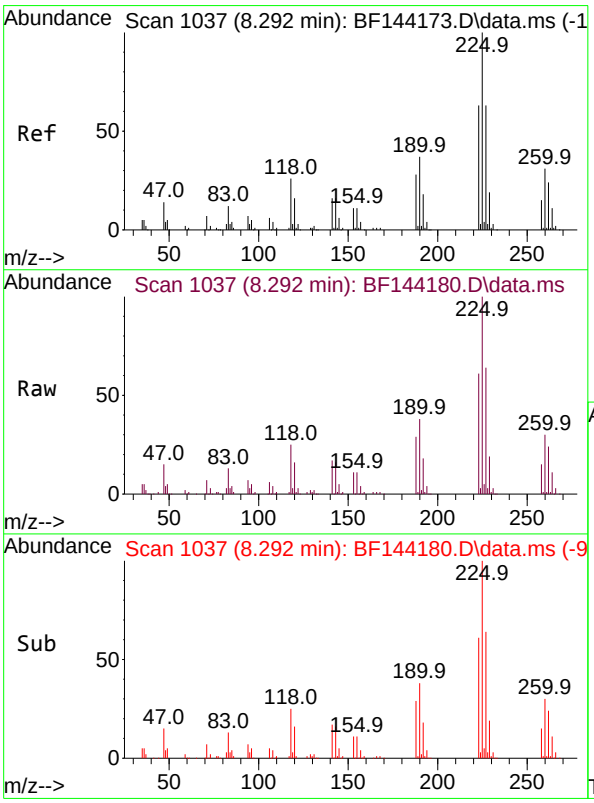
#33
4-Chloroaniline
Concen: 41.738 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 217206

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.3	37.9
65	35.9	27.6	41.4
92	21.6	18.4	27.6

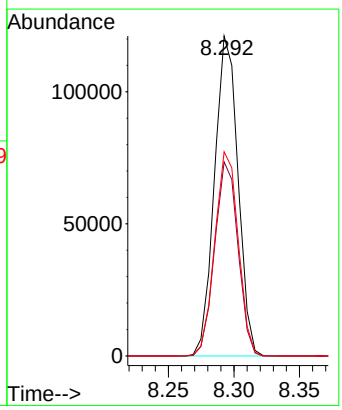


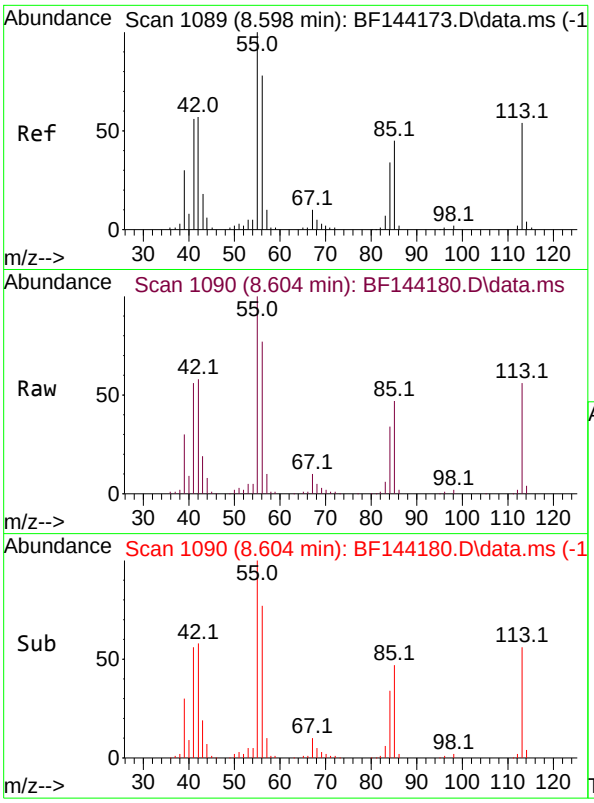


#34
Hexachlorobutadiene
Concen: 40.500 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:225 Resp: 151142

Ion	Ratio	Lower	Upper
225	100		
223	60.6	50.2	75.4
227	63.8	50.1	75.1



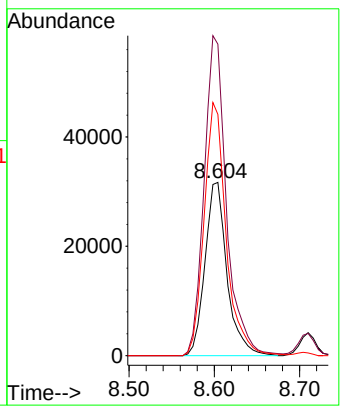


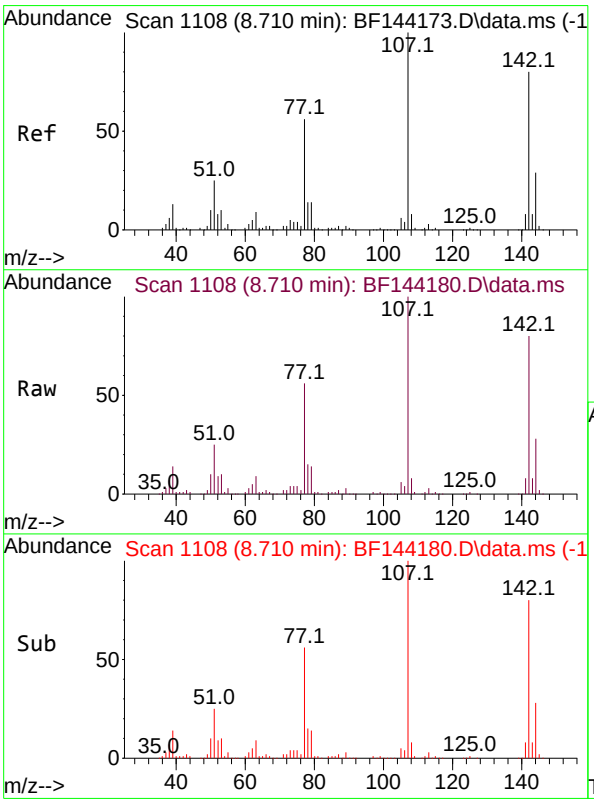
#35
Caprolactam
Concen: 43.048 ng
RT: 8.604 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 56873

Ion	Ratio	Lower	Upper
113	100		
55	179.9	166.8	206.8
56	139.3	125.9	165.9

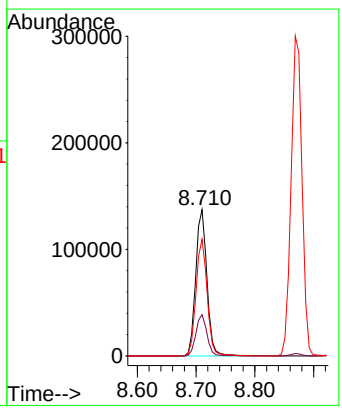


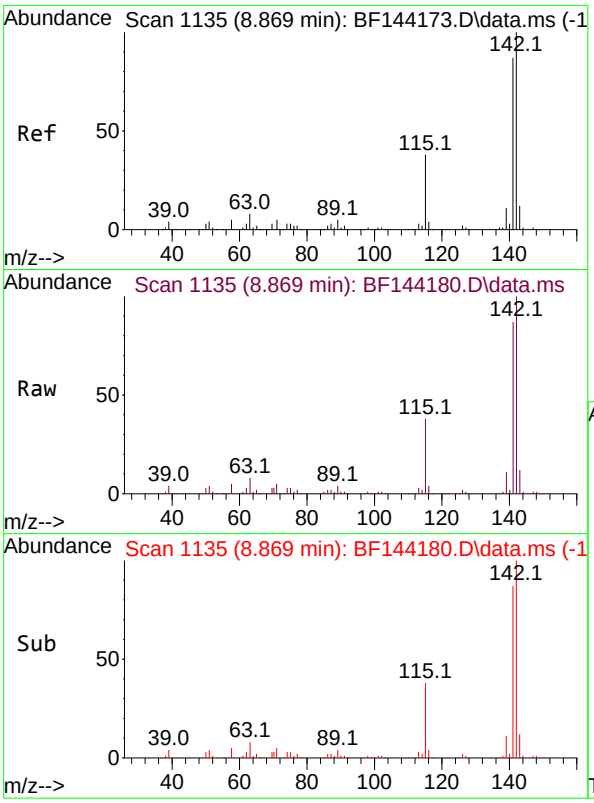


#36
4-Chloro-3-methylphenol
Concen: 42.037 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:107 Resp: 181674

Ion	Ratio	Lower	Upper
107	100		
144	28.2	23.3	34.9
142	79.8	63.8	95.6



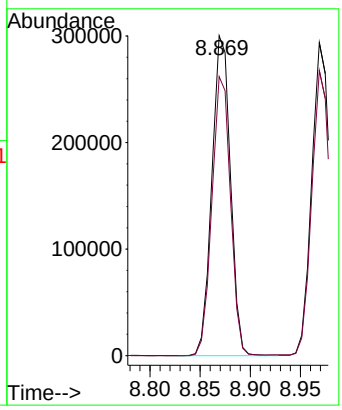


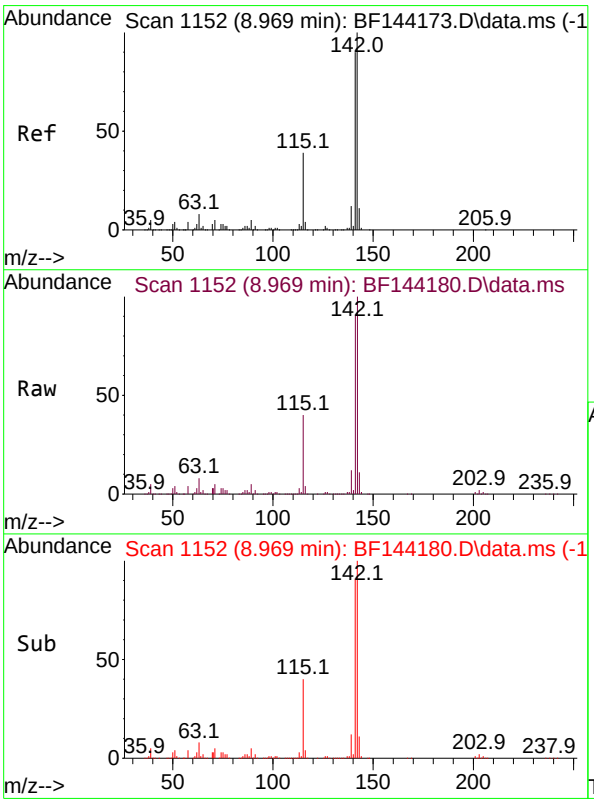
#37
2-Methylnaphthalene
Concen: 40.614 ng
RT: 8.869 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 387454

Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.9	104.9

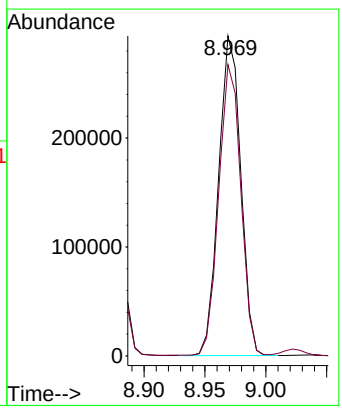


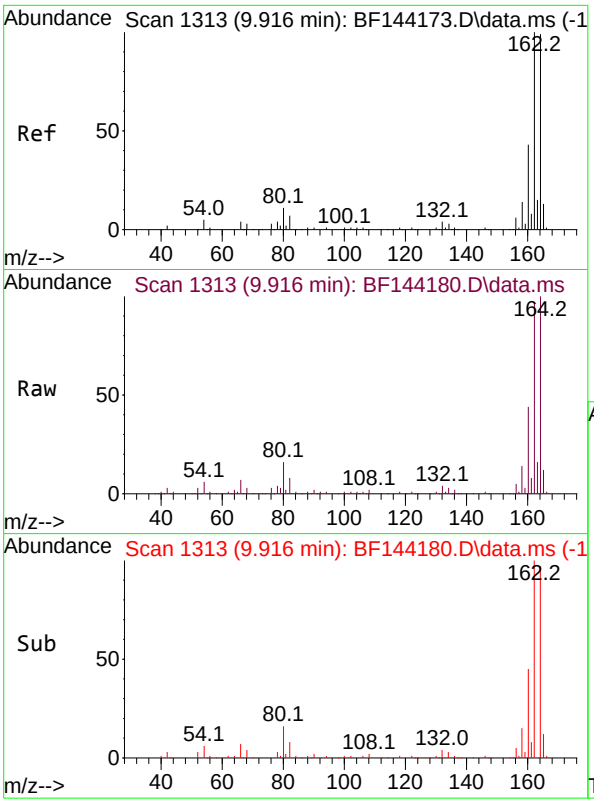


#38
1-Methylnaphthalene
Concen: 40.136 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:142 Resp: 369457

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.1	108.1



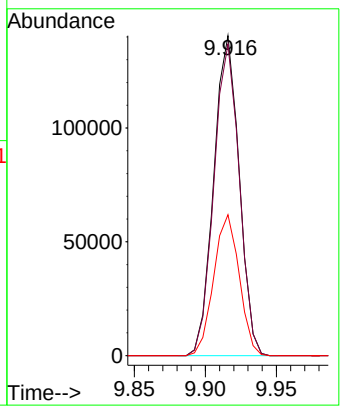


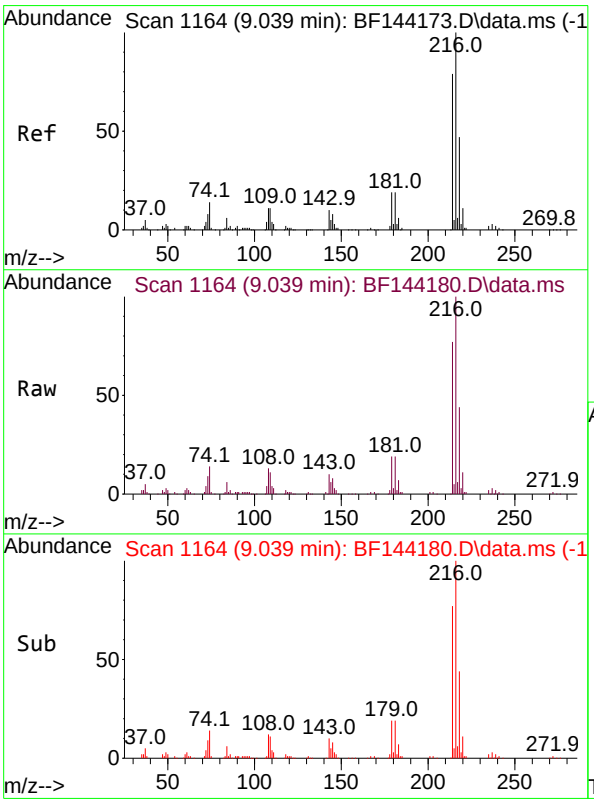
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 175155

Ion	Ratio	Lower	Upper
164	100		
162	97.3	81.1	121.7
160	44.0	34.5	51.7

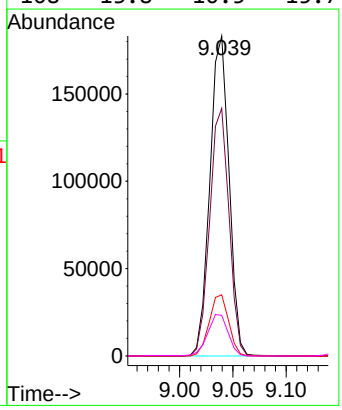


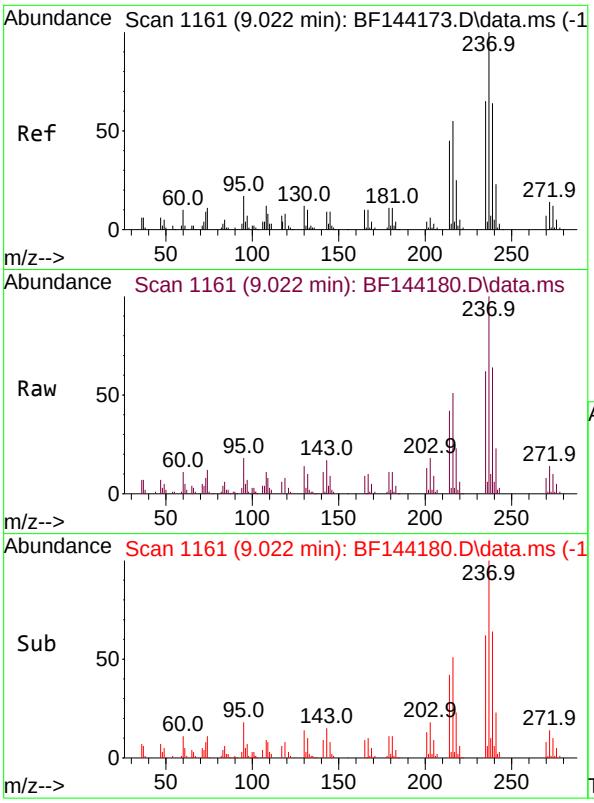


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.951 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:216 Resp: 229334

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.4	95.2
179	19.4	15.0	22.4
108	13.8	10.5	15.7



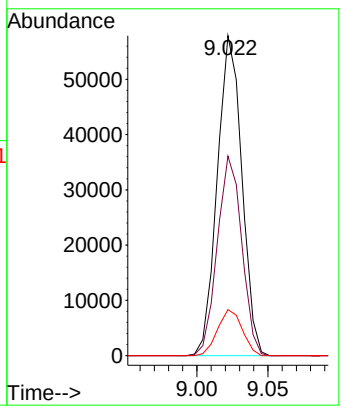


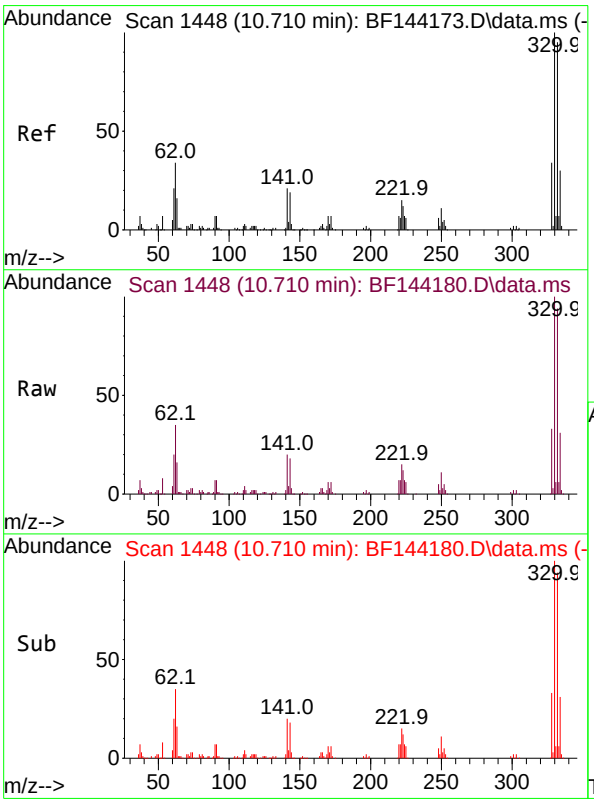
#41
Hexachlorocyclopentadiene
Concen: 39.826 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 69669

Ion	Ratio	Lower	Upper
237	100		
235	62.3	45.5	85.5
272	14.4	0.0	33.5

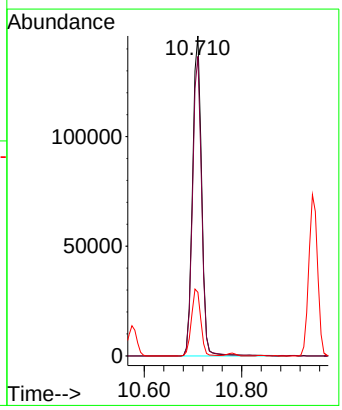


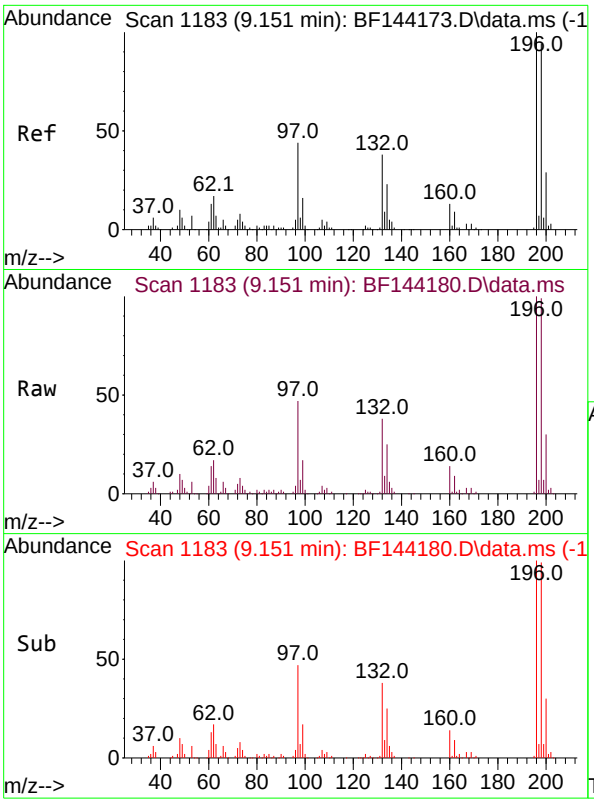


#42
2,4,6-Tribromophenol
Concen: 84.944 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:330 Resp: 186707

Ion	Ratio	Lower	Upper
330	100		
332	93.8	76.7	115.1
141	21.5	17.8	26.8



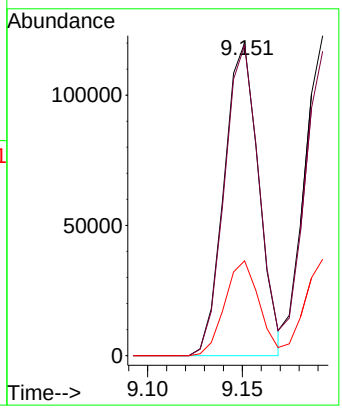


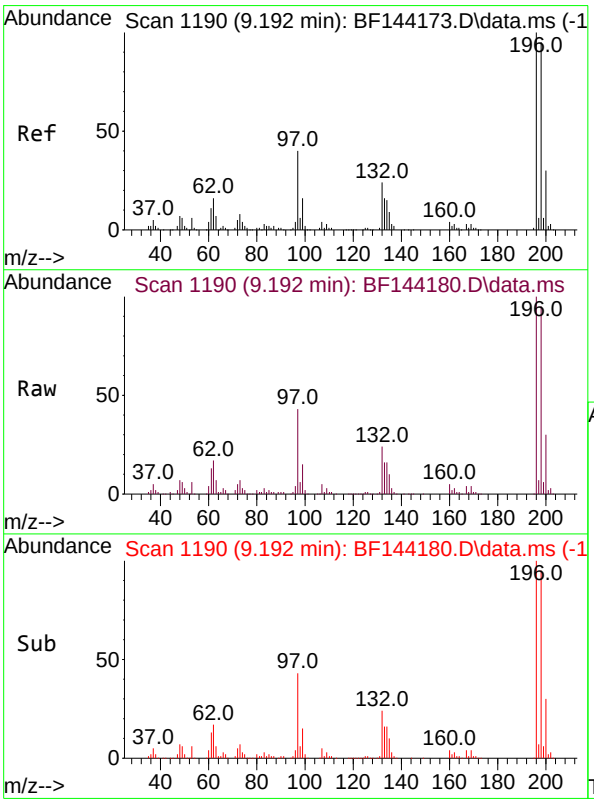
#43
2,4,6-Trichlorophenol
Concen: 38.933 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 152111

Ion	Ratio	Lower	Upper
196	100		
198	99.3	75.3	112.9
200	30.3	23.4	35.2

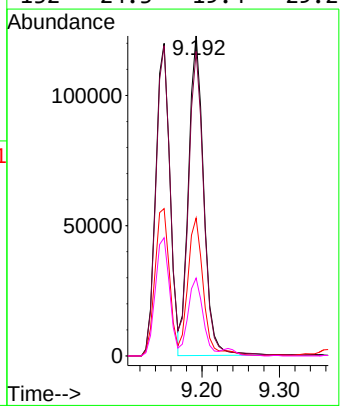


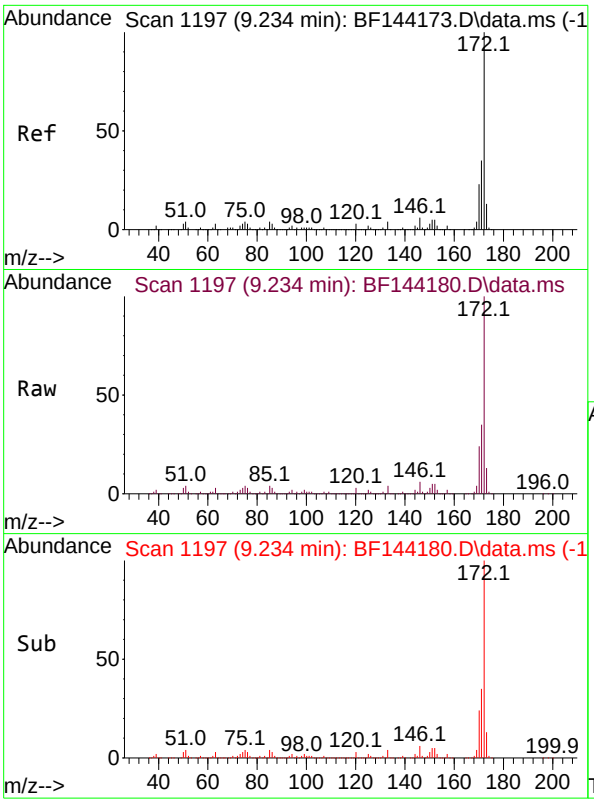


#44
2,4,5-Trichlorophenol
Concen: 39.644 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:196 Resp: 166938

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.1	114.1
97	43.1	31.9	47.9
132	24.3	19.4	29.2



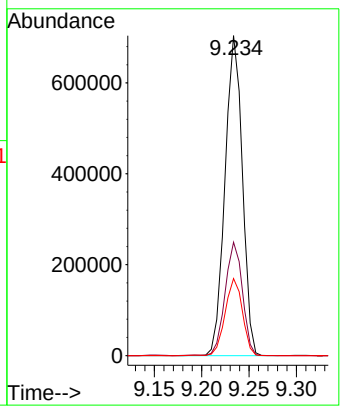


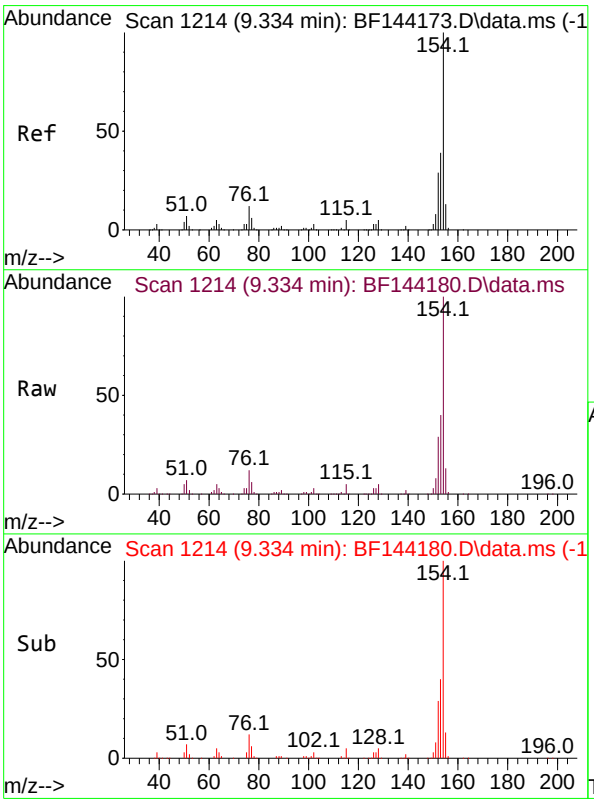
#45
2-Fluorobiphenyl
Concen: 75.625 ng
RT: 9.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 896864

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	24.1	18.6	28.0

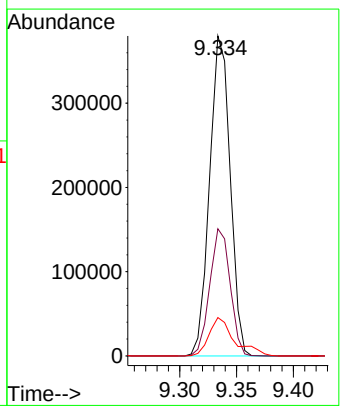


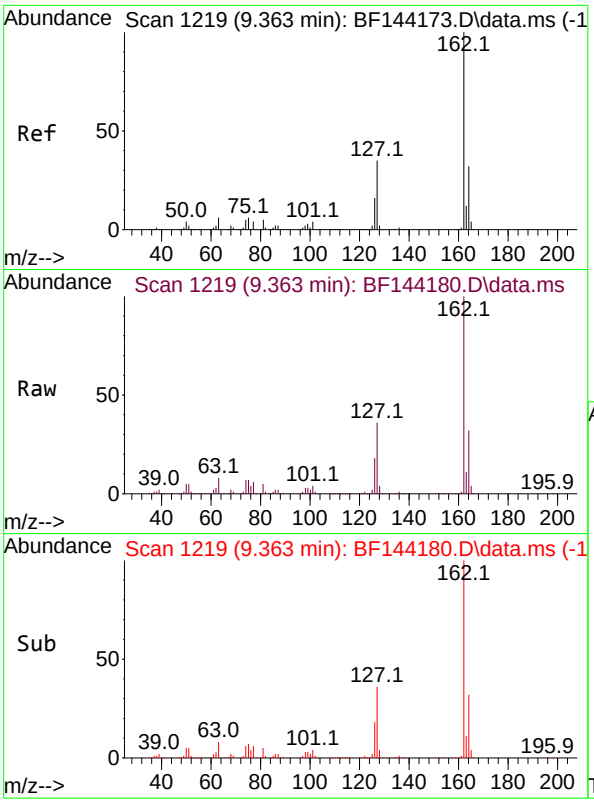


#46
1,1'-Biphenyl
Concen: 39.082 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:154 Resp: 477827

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.2	59.2
76	12.0	0.0	31.8



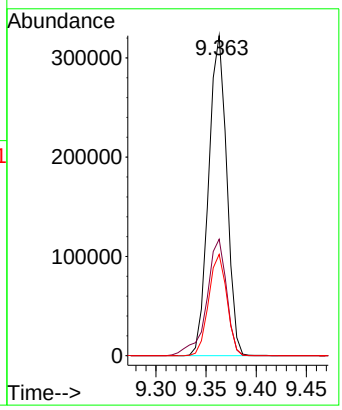


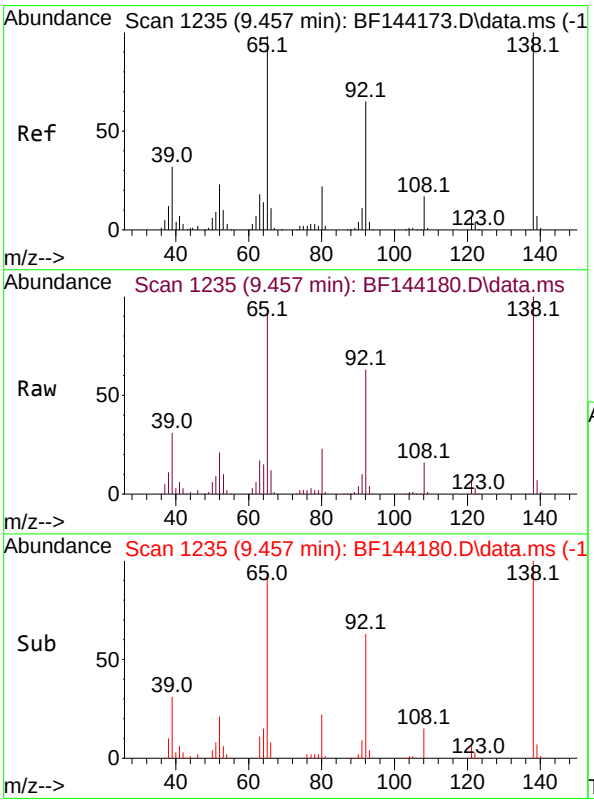
#47
2-Chloronaphthalene
Concen: 38.778 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 404419

Ion	Ratio	Lower	Upper
162	100		
127	36.4	28.8	43.2
164	31.6	25.8	38.8

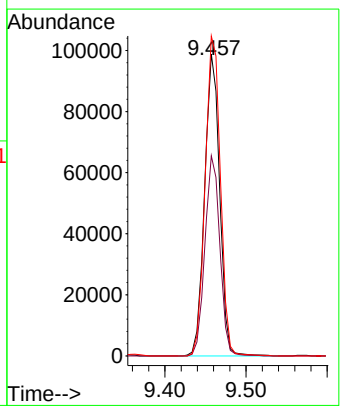


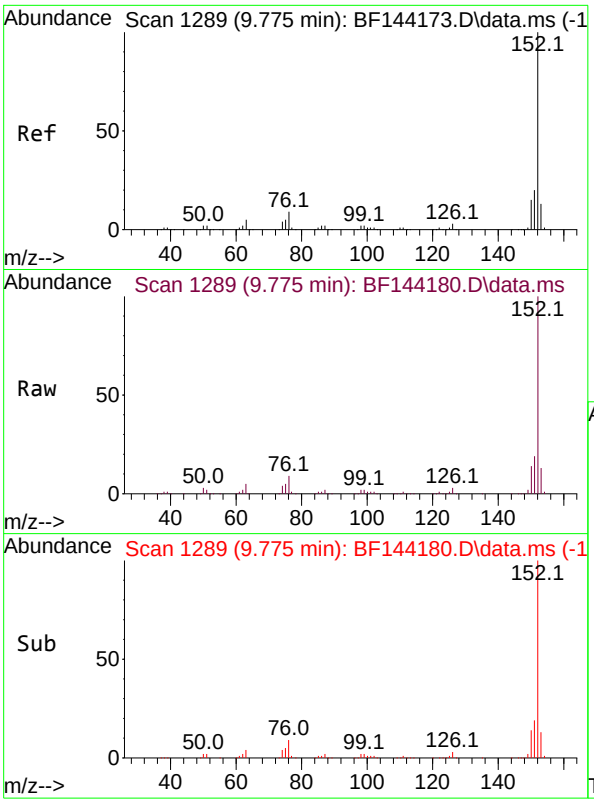


#48
2-Nitroaniline
Concen: 42.260 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion: 65 Resp: 127167

Ion	Ratio	Lower	Upper
65	100		
92	66.3	53.0	79.6
138	106.0	81.6	122.4



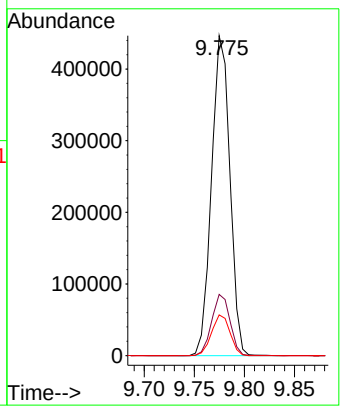


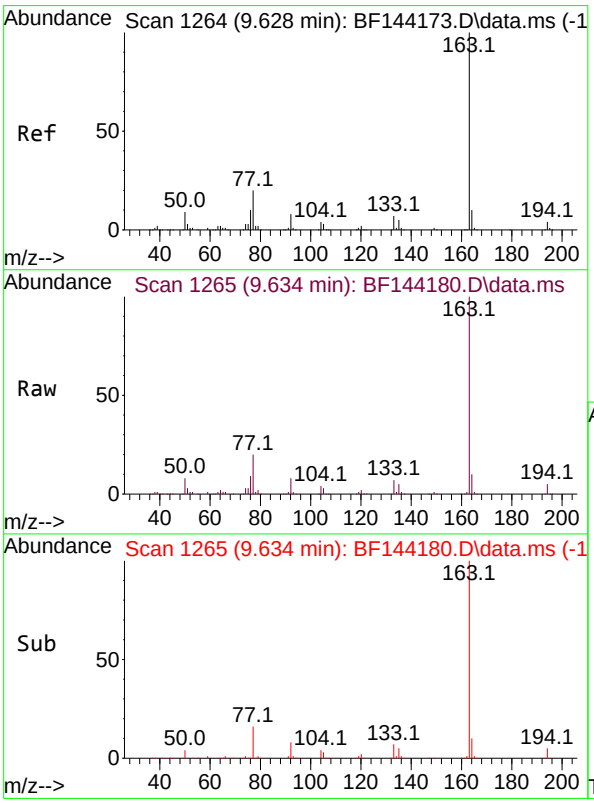
#49
Acenaphthylene
Concen: 39.964 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 567978

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.9	23.9
153	12.7	10.5	15.7

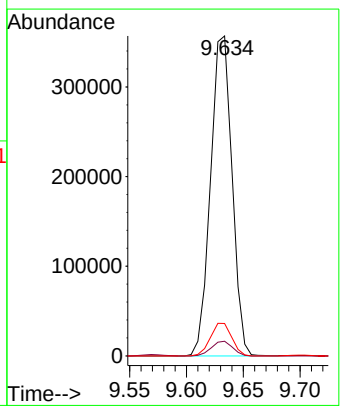


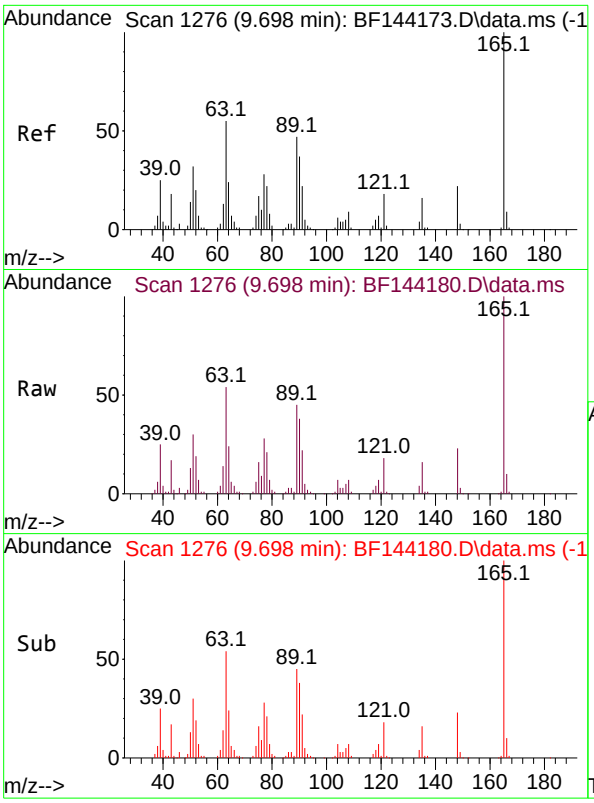


#50
Dimethylphthalate
Concen: 40.509 ng
RT: 9.634 min Scan# 1265
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:163 Resp: 470054

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.3	4.9
164	10.1	8.1	12.1



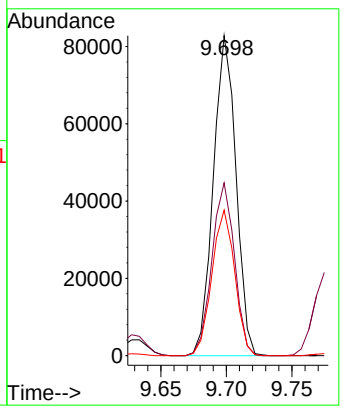


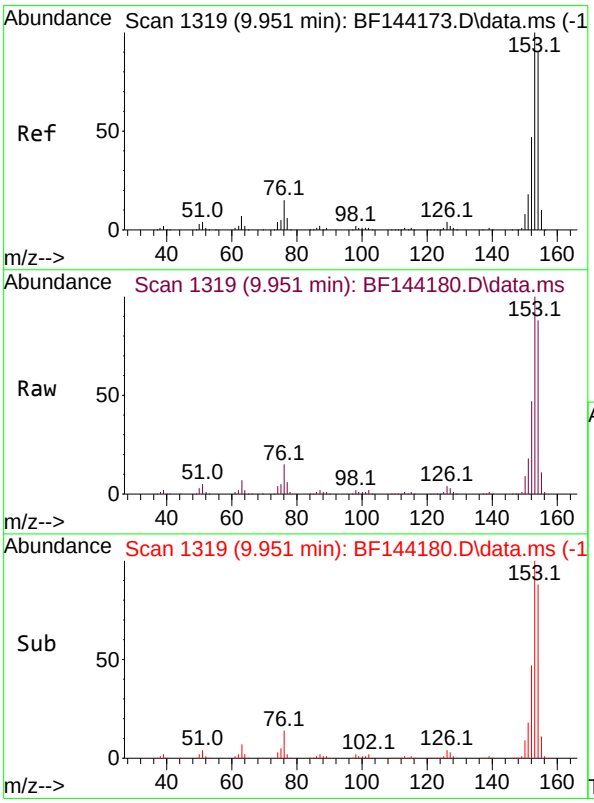
#51
2,6-Dinitrotoluene
Concen: 42.332 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 99437

Ion	Ratio	Lower	Upper
165	100		
63	54.0	43.8	65.8
89	45.4	37.5	56.3

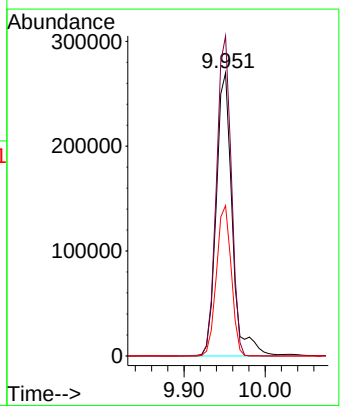


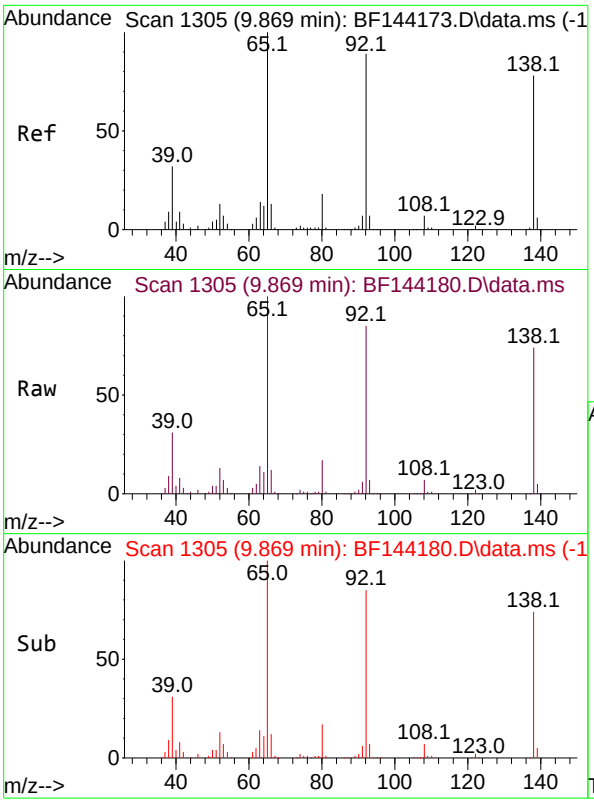


#52
Acenaphthene
Concen: 38.842 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:154 Resp: 369154

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.0	133.4
152	53.1	42.2	63.4



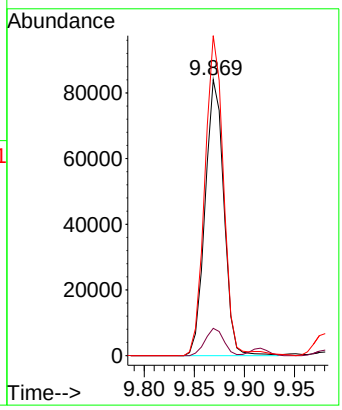


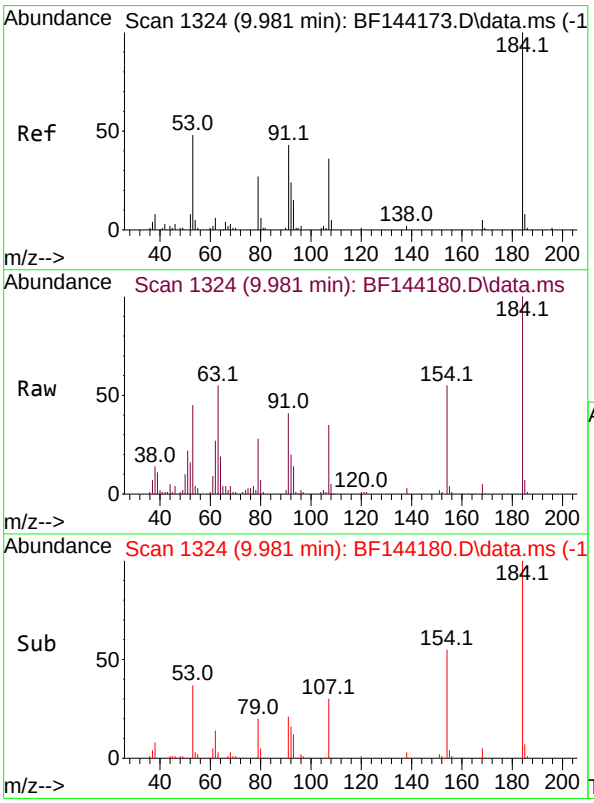
#53
3-Nitroaniline
Concen: 42.522 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 109186

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.5	11.3
92	116.0	91.8	137.6

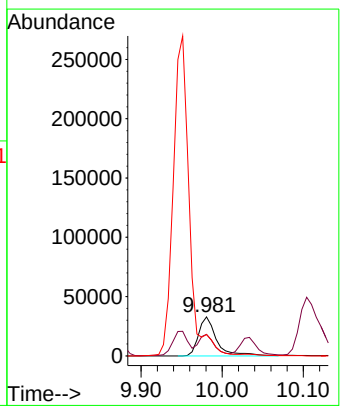


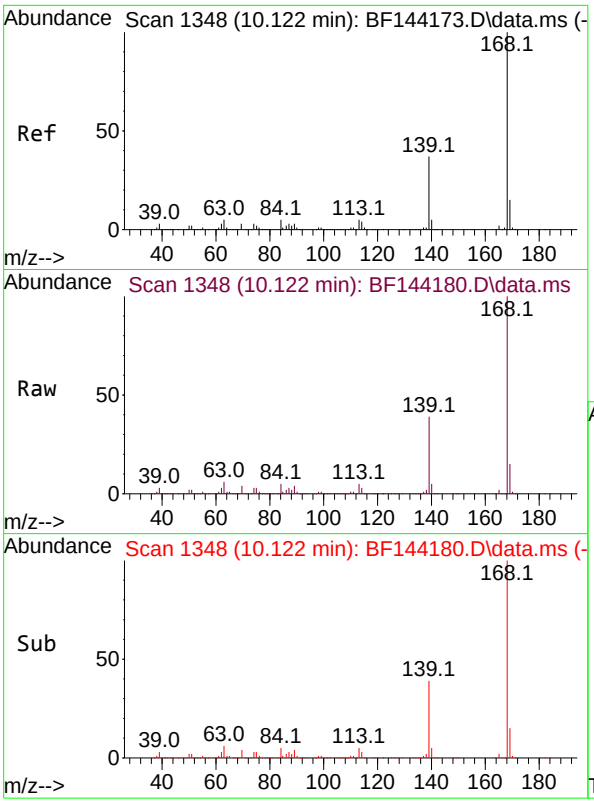


#54
2,4-Dinitrophenol
Concen: 35.987 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:184 Resp: 51045

Ion	Ratio	Lower	Upper
184	100		
63	55.3	44.0	66.0
154	54.7	42.4	63.6



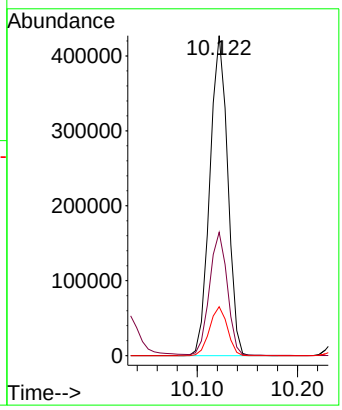


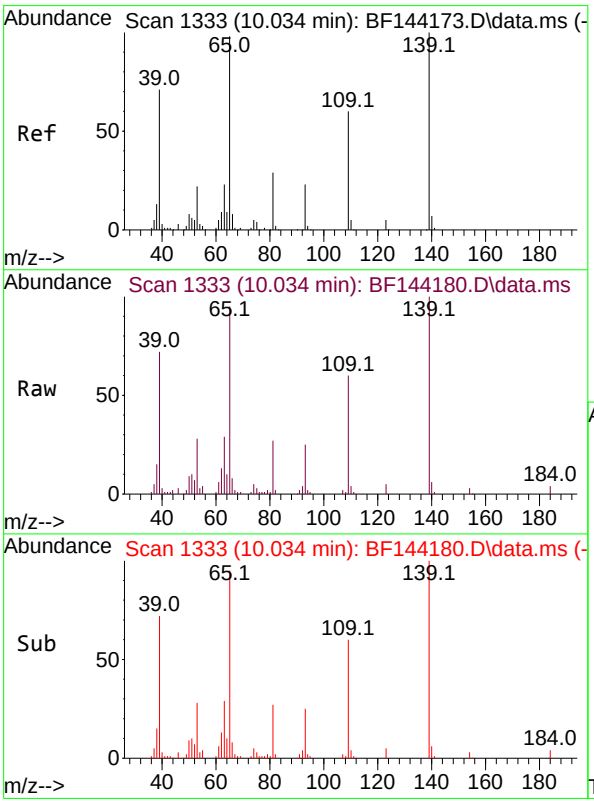
#55
Dibenzofuran
Concen: 39.602 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 527126

Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.2	45.2
169	15.3	12.2	18.4

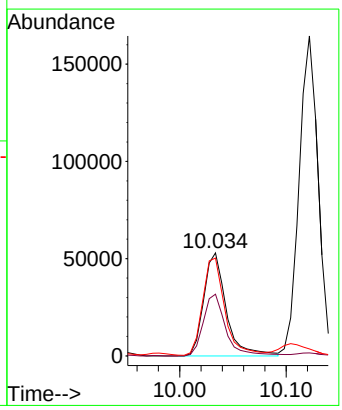


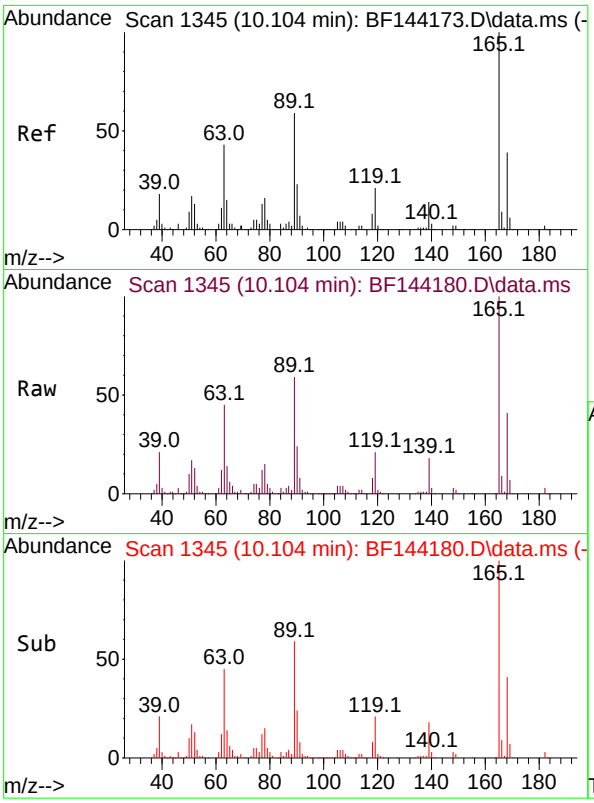


#56
4-Nitrophenol
Concen: 41.731 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:139 Resp: 77512

Ion	Ratio	Lower	Upper
139	100		
109	59.8	39.9	79.9
65	95.0	79.5	119.5



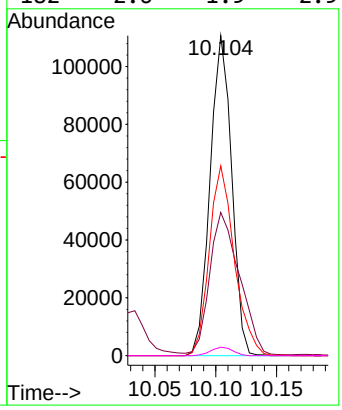


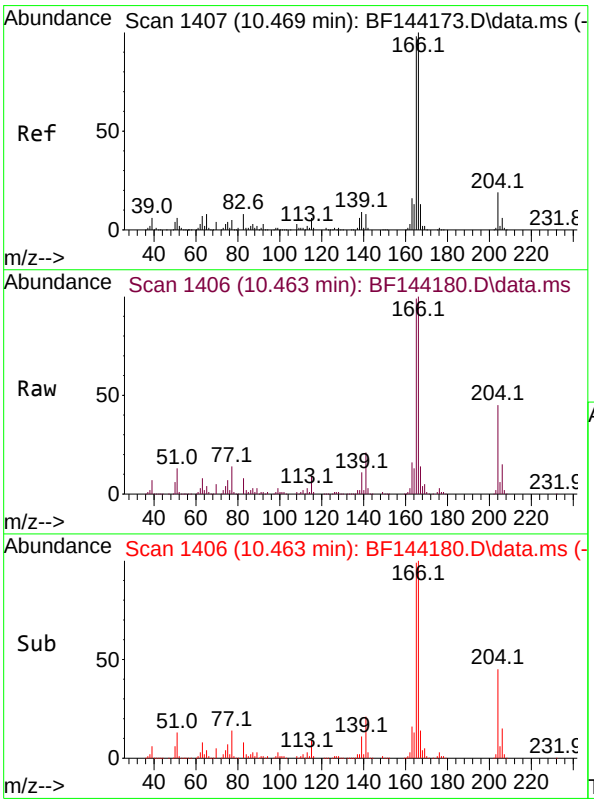
#57
2,4-Dinitrotoluene
Concen: 43.353 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 136325

Ion	Ratio	Lower	Upper
165	100		
63	44.7	35.5	53.3
89	59.3	47.4	71.2
182	2.6	1.9	2.9

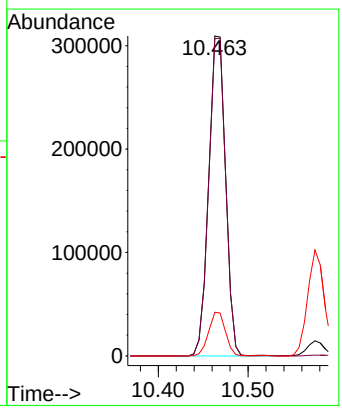


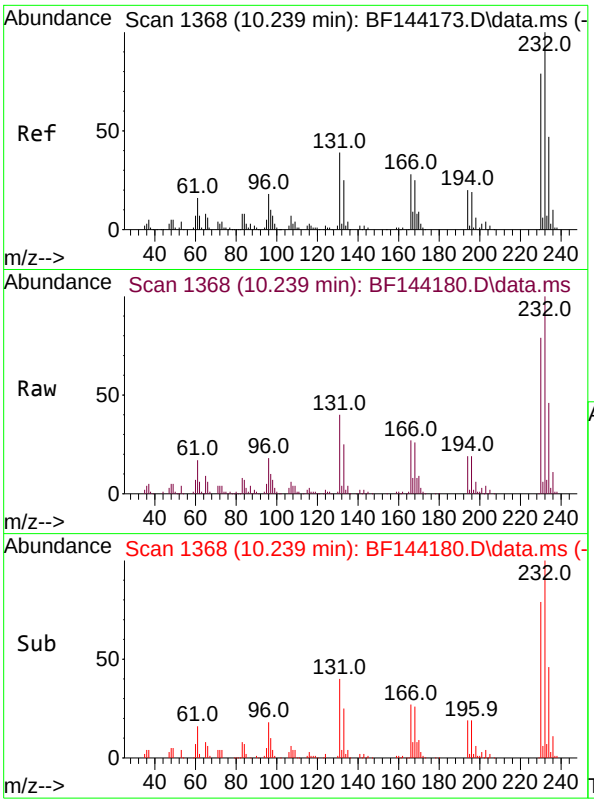


#58
Fluorene
Concen: 40.169 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:166 Resp: 406516

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.6	118.0
167	13.6	10.4	15.6



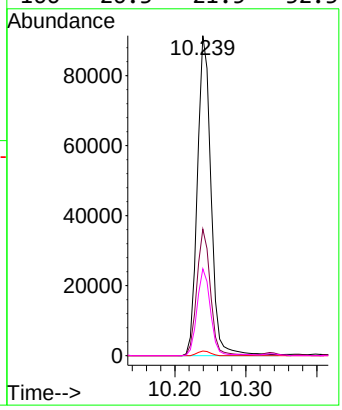


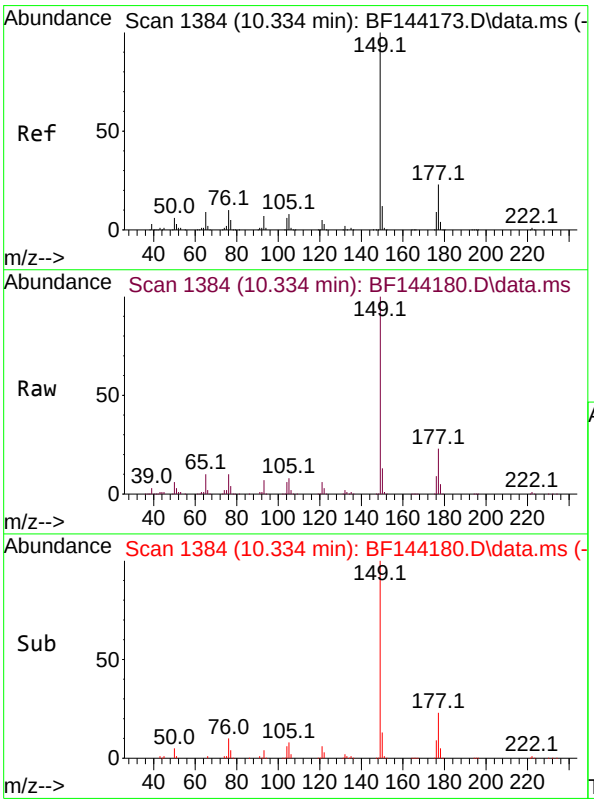
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.854 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 121713

Ion	Ratio	Lower	Upper
232	100		
131	39.1	30.3	45.5
130	1.3	1.2	1.8
166	26.3	21.5	32.3

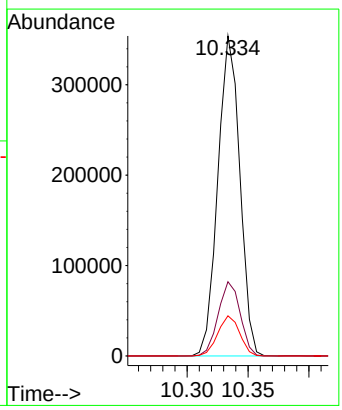


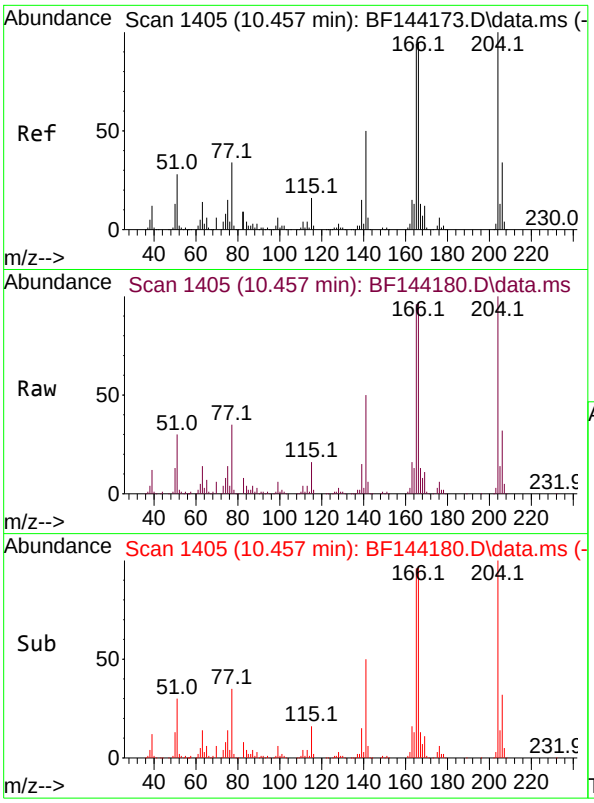


#60
Diethylphthalate
Concen: 41.414 ng
RT: 10.334 min Scan# 1384
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:149 Resp: 443003

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.3	27.5
150	12.5	9.8	14.6



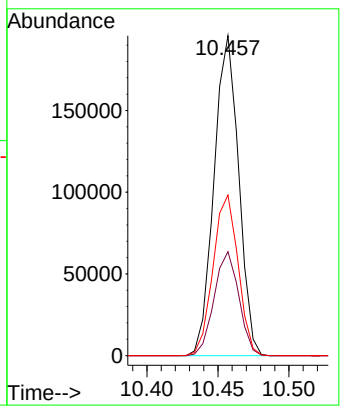


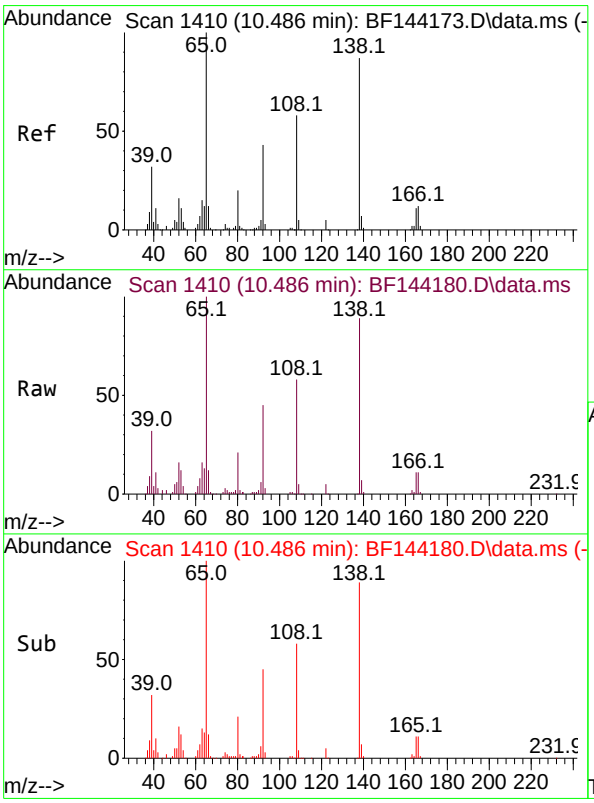
#61
4-Chlorophenyl-phenylether
Concen: 41.066 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 236731

Ion	Ratio	Lower	Upper
204	100		
206	32.5	27.4	41.2
141	50.2	40.0	60.0

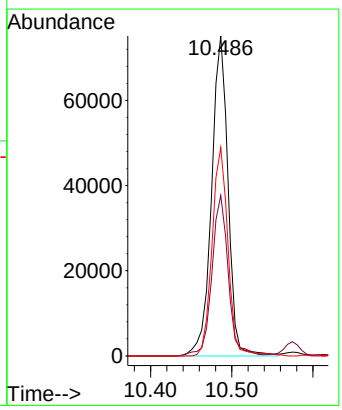


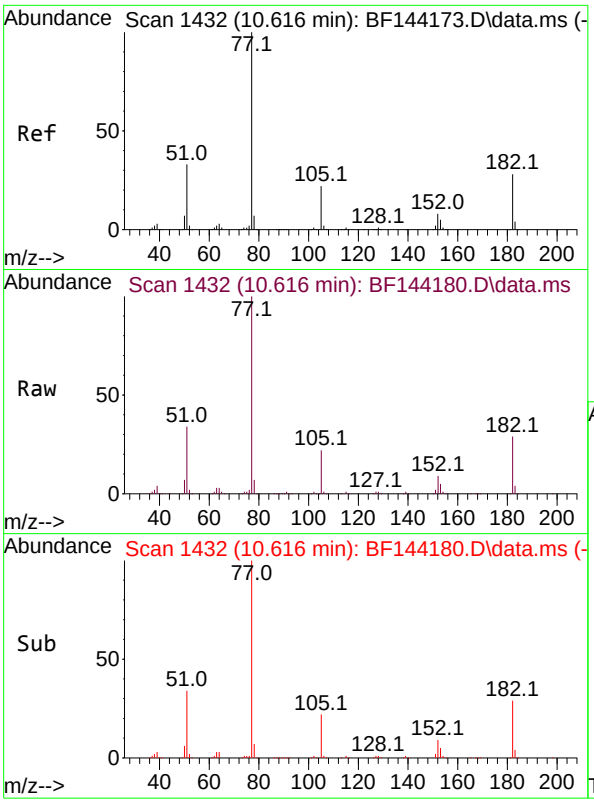


#62
4-Nitroaniline
Concen: 43.469 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.012 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:138 Resp: 106296

Ion	Ratio	Lower	Upper
138	100		
92	50.1	29.4	69.4
108	65.1	46.4	86.4



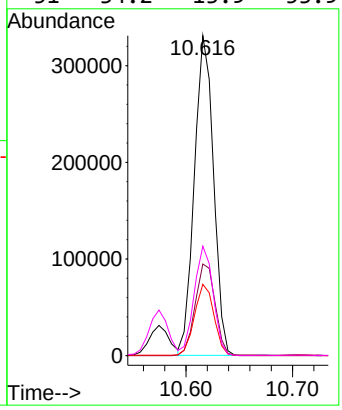


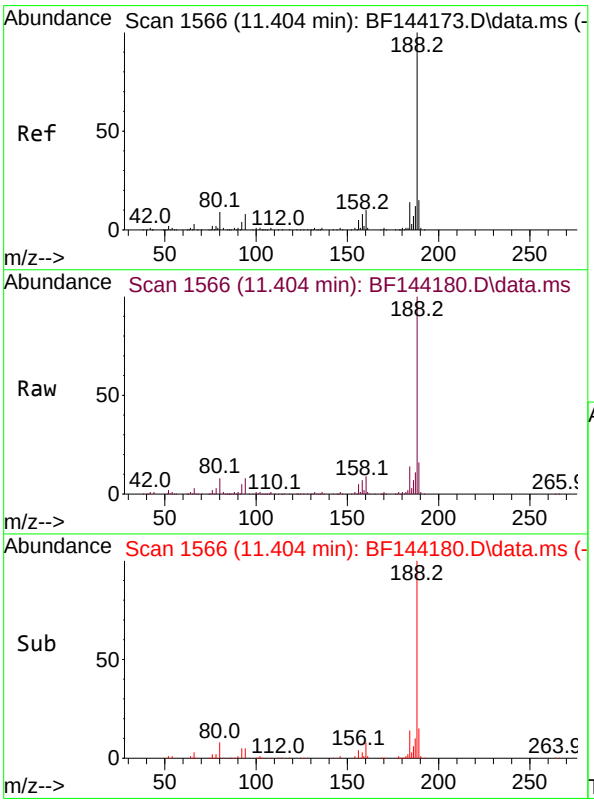
#63
Azobenzene
Concen: 41.431 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 412458

Ion	Ratio	Lower	Upper
77	100		
182	28.7	8.1	48.1
105	22.3	2.0	42.0
51	34.2	13.9	53.9

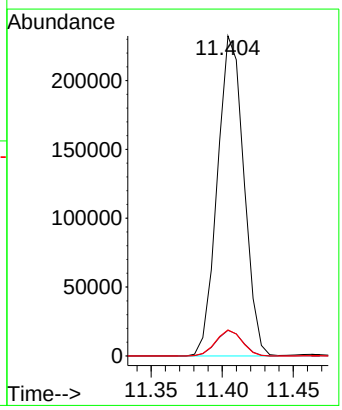


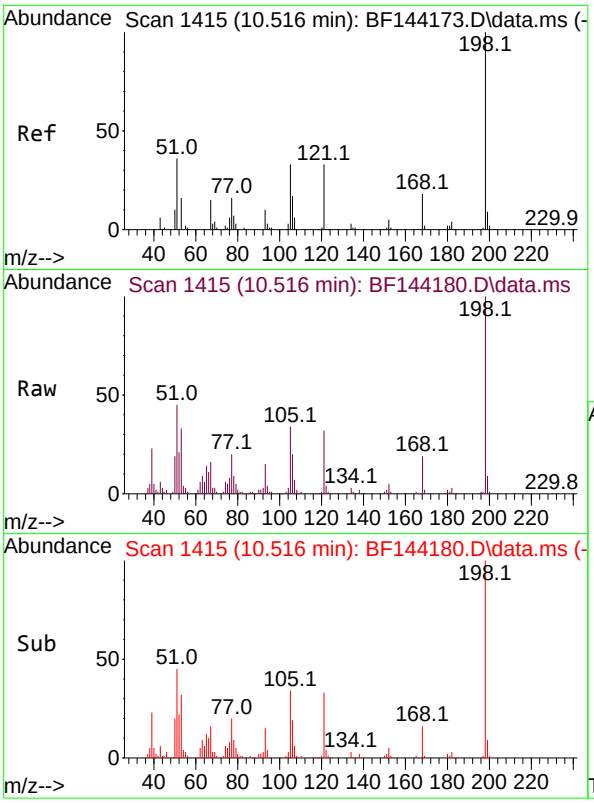


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:188 Resp: 301670

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.2	9.2
80	8.1	6.9	10.3



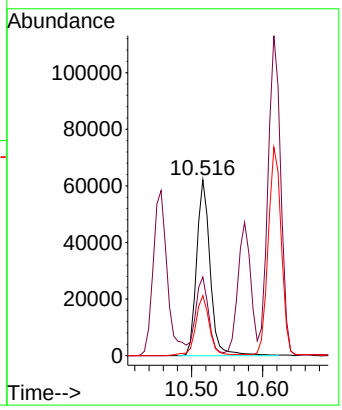


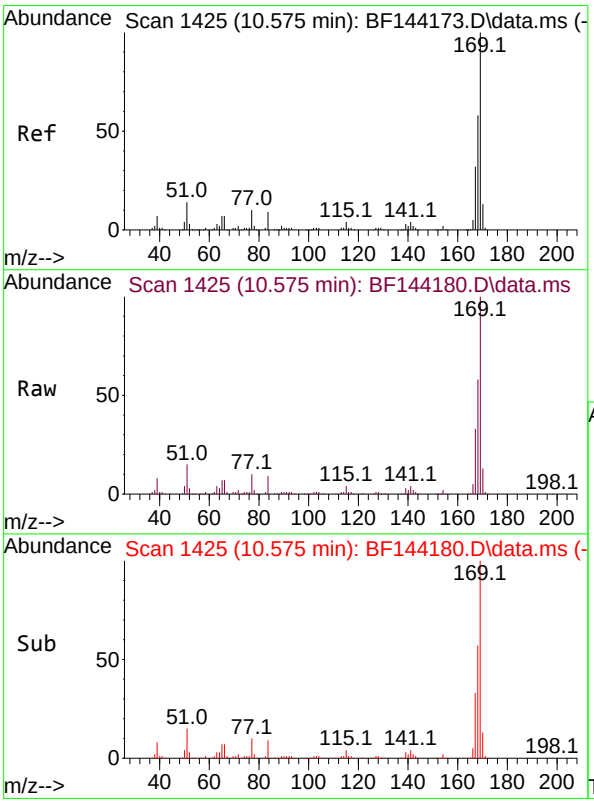
#65
4,6-Dinitro-2-methylphenol
Concen: 39.889 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 81746

Ion	Ratio	Lower	Upper
198	100		
51	44.8	25.6	65.6
105	34.1	14.6	54.6

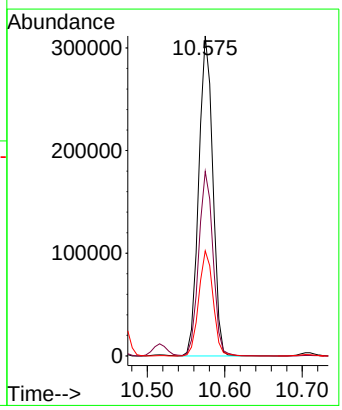


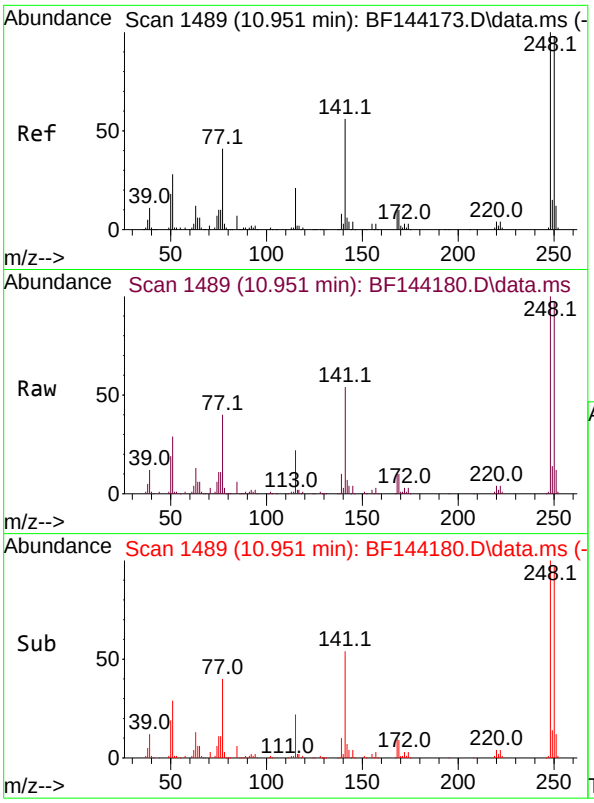


#66
n-Nitrosodiphenylamine
Concen: 40.356 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:169 Resp: 391555

Ion	Ratio	Lower	Upper
169	100		
168	57.6	46.2	69.2
167	32.8	25.7	38.5



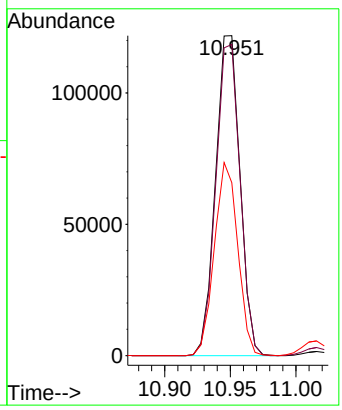


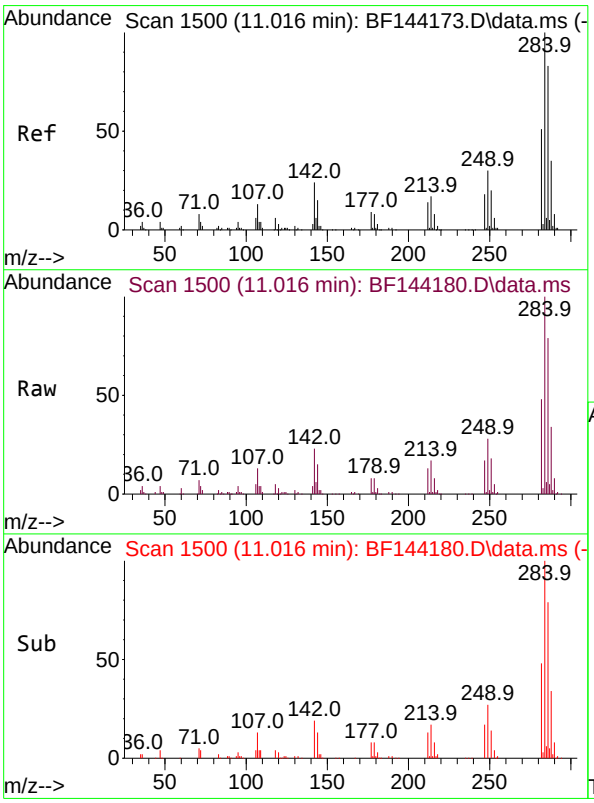
#67
4-Bromophenyl-phenylether
Concen: 41.135 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 158394

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.4	117.6
141	54.0	45.1	67.7

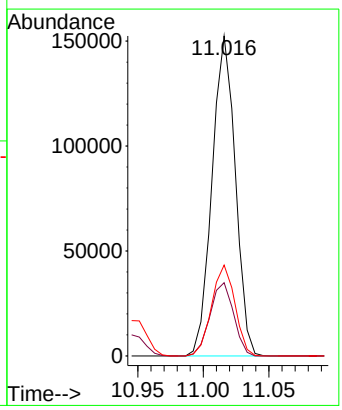


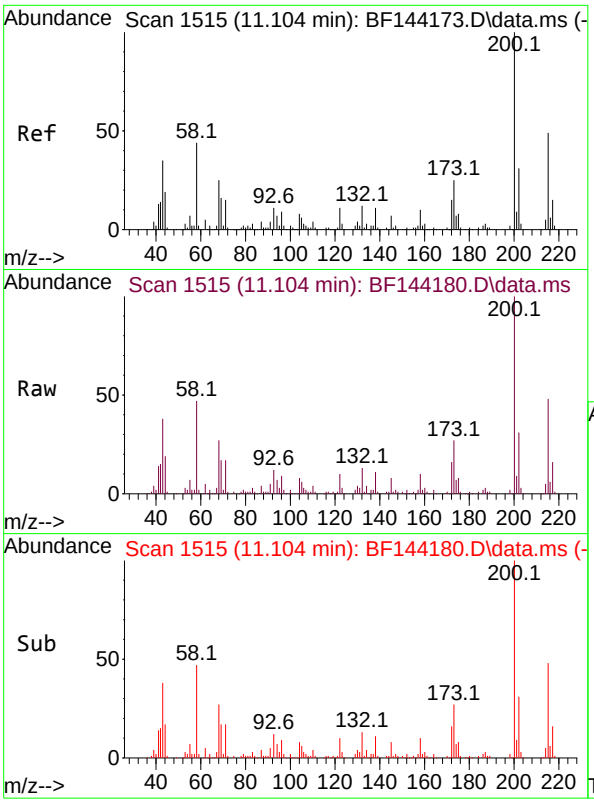


#68
Hexachlorobenzene
Concen: 41.588 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:284 Resp: 188618

Ion	Ratio	Lower	Upper
284	100		
142	22.9	19.2	28.8
249	28.4	23.8	35.8



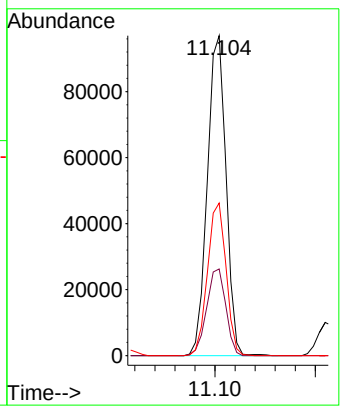


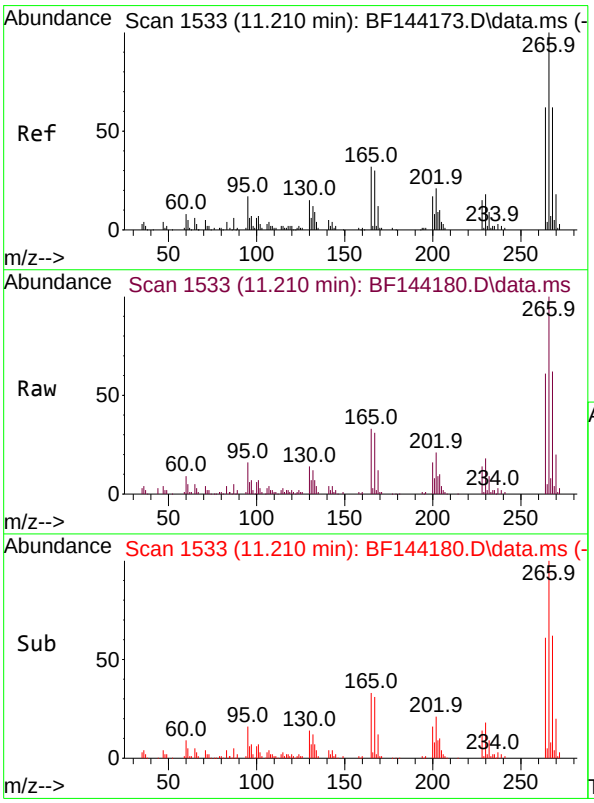
#69
Atrazine
Concen: 40.569 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 125179

Ion	Ratio	Lower	Upper
200	100		
173	27.1	5.0	45.0
215	47.7	28.7	68.7

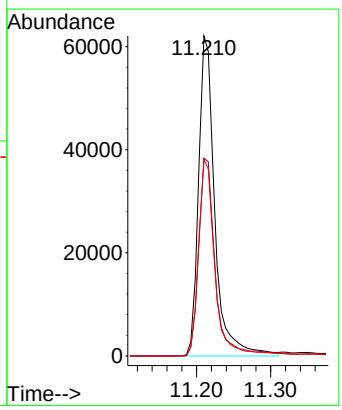


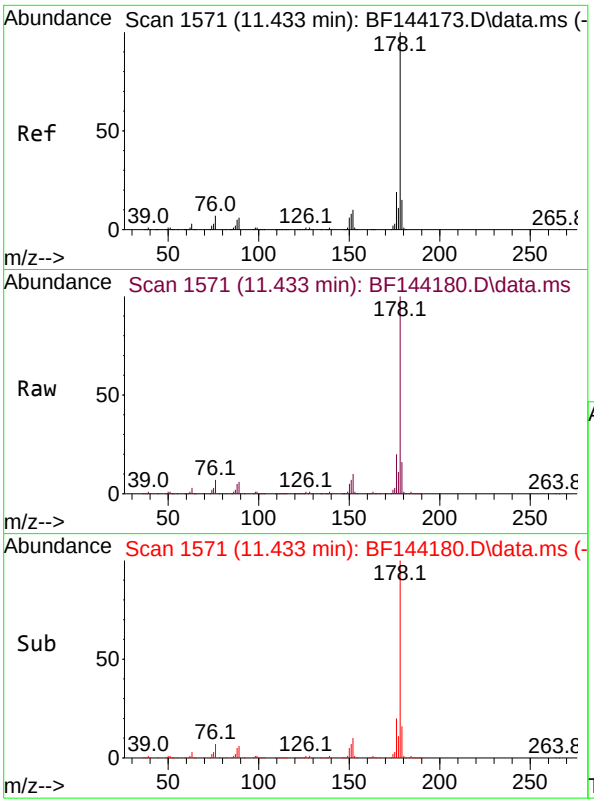


#70
Pentachlorophenol
Concen: 41.865 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:266 Resp: 94551

Ion	Ratio	Lower	Upper
266	100		
268	61.8	49.5	74.3
264	61.4	49.4	74.2



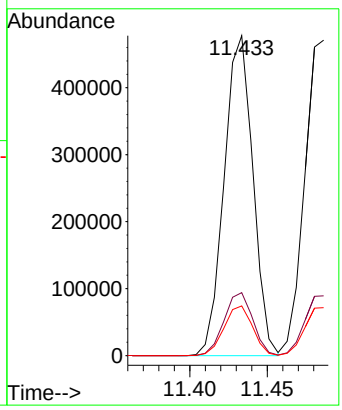


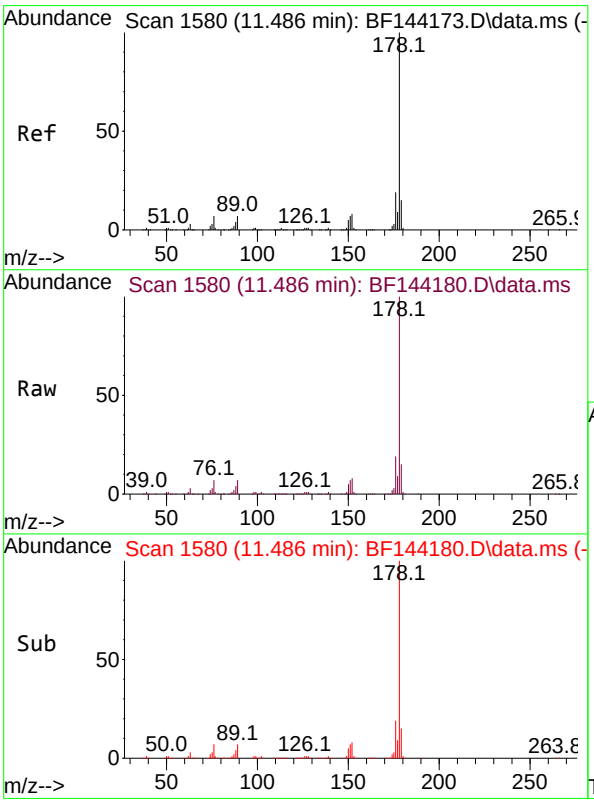
#71
Phenanthrene
Concen: 41.075 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 616940

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.5	12.2	18.4

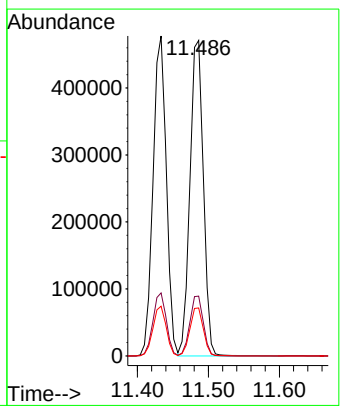


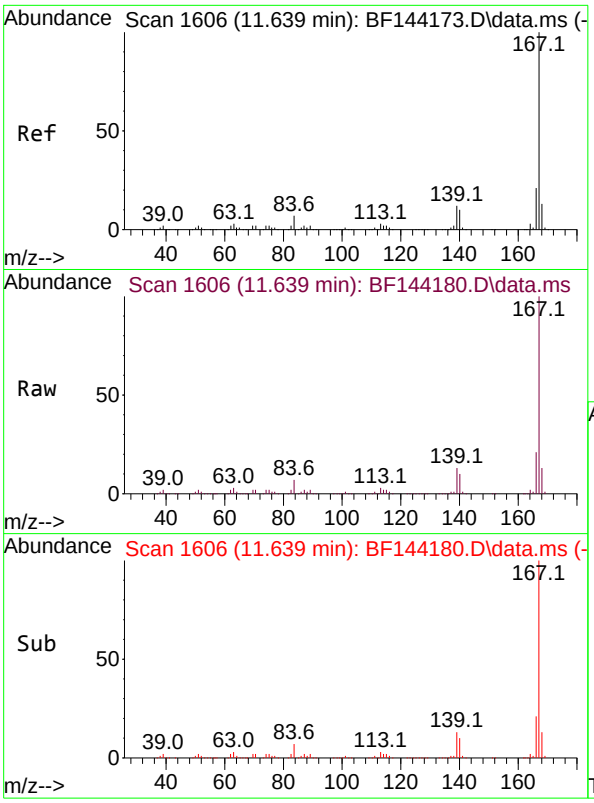


#72
Anthracene
Concen: 40.525 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:178 Resp: 618922

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.2	12.0	18.0



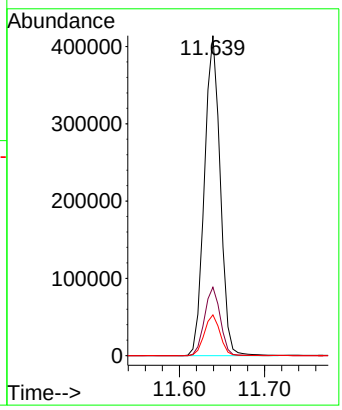


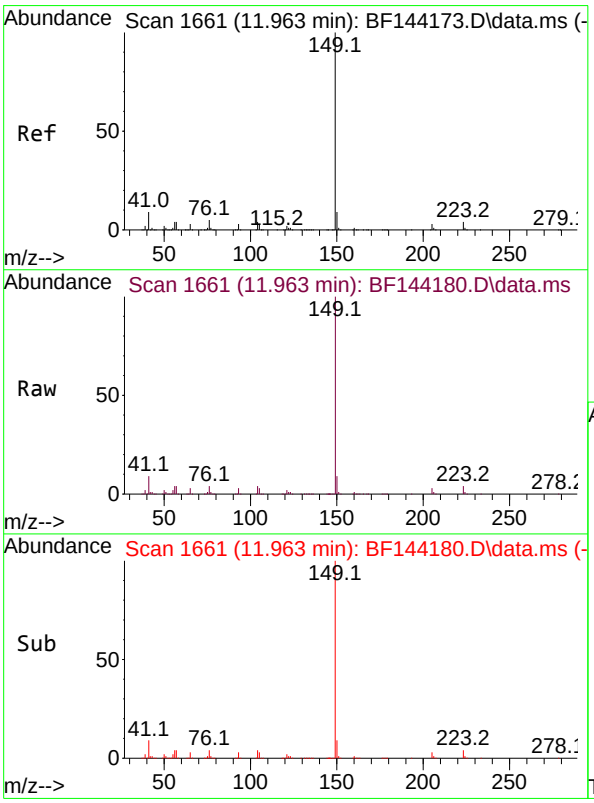
#73
Carbazole
Concen: 40.961 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 531956

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.7	9.9	14.9

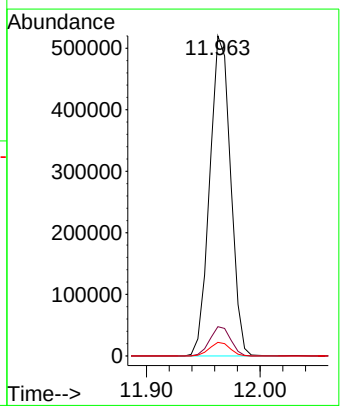


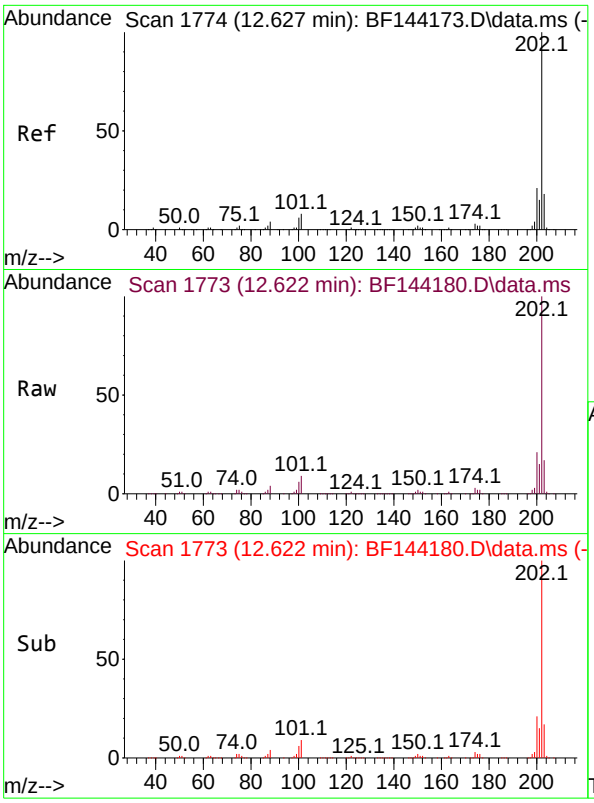


#74
Di-n-butylphthalate
Concen: 42.273 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:149 Resp: 663671

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.2	3.4	5.2



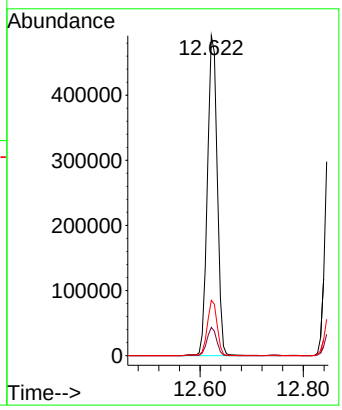


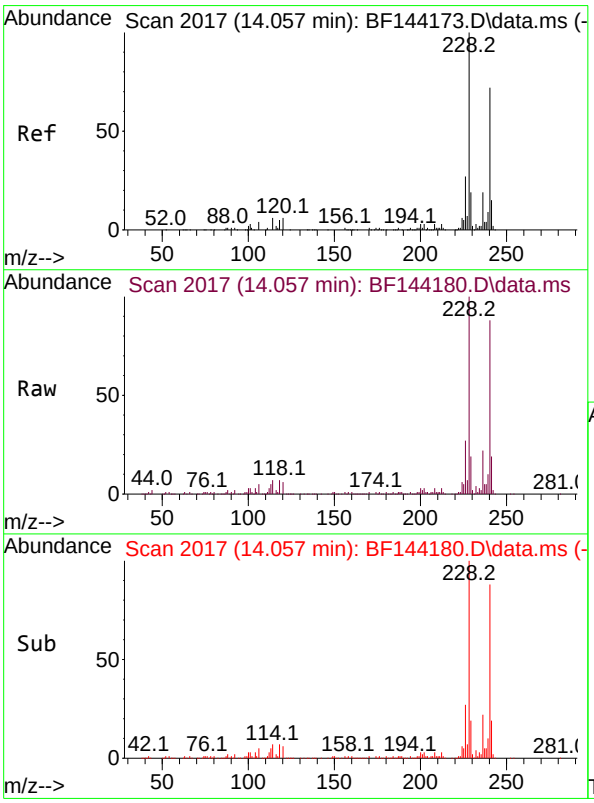
#75
Fluoranthene
Concen: 41.842 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 649189

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	27.9
203	17.3	0.0	37.5

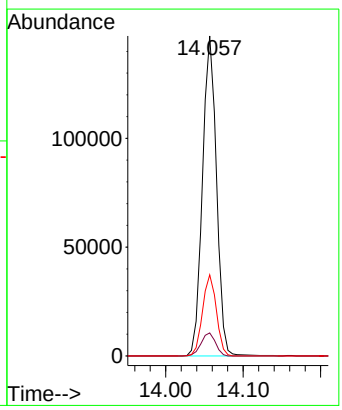


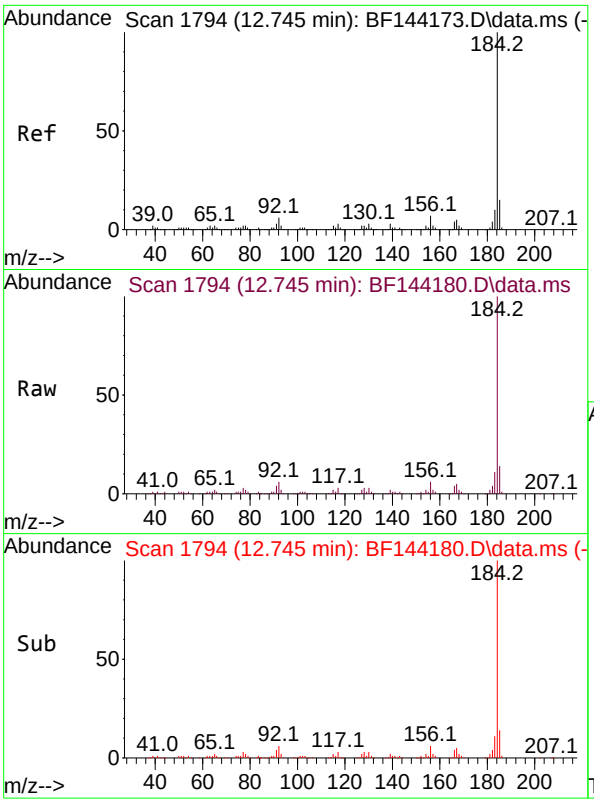


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:240 Resp: 184652

Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.6	10.0
236	25.3	21.4	32.2



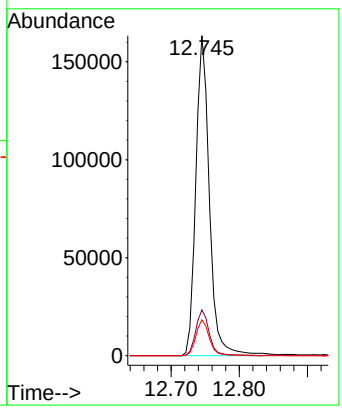


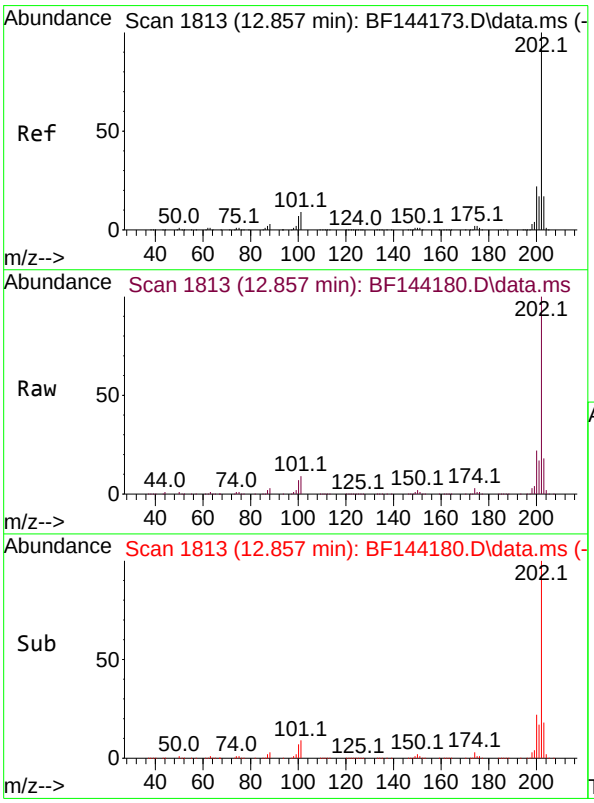
#77
Benzidine
Concen: 41.487 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 226599

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.7	17.5
183	11.2	8.3	12.5

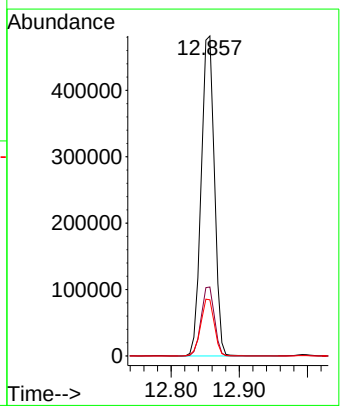


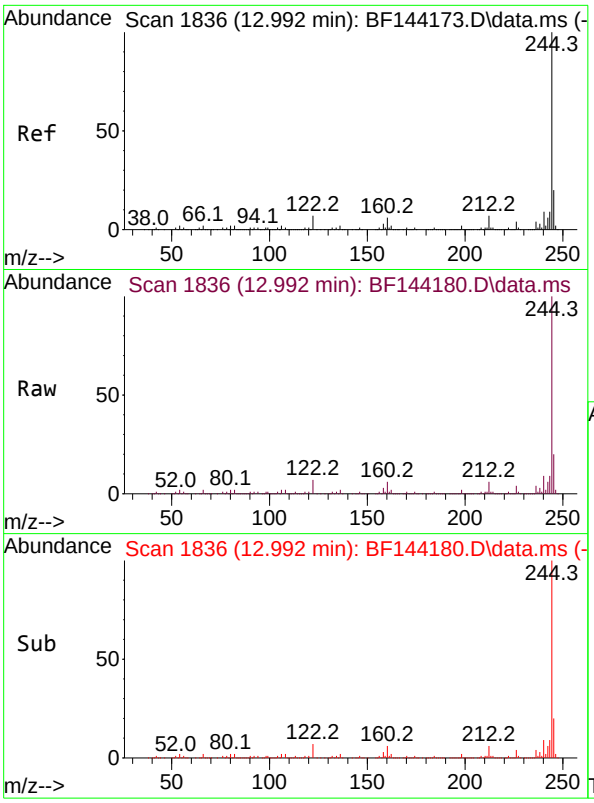


#78
Pyrene
Concen: 43.743 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:202 Resp: 651255

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.5	13.7	20.5



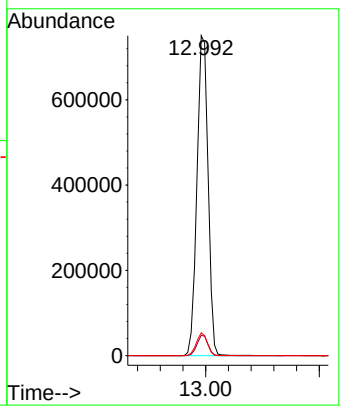


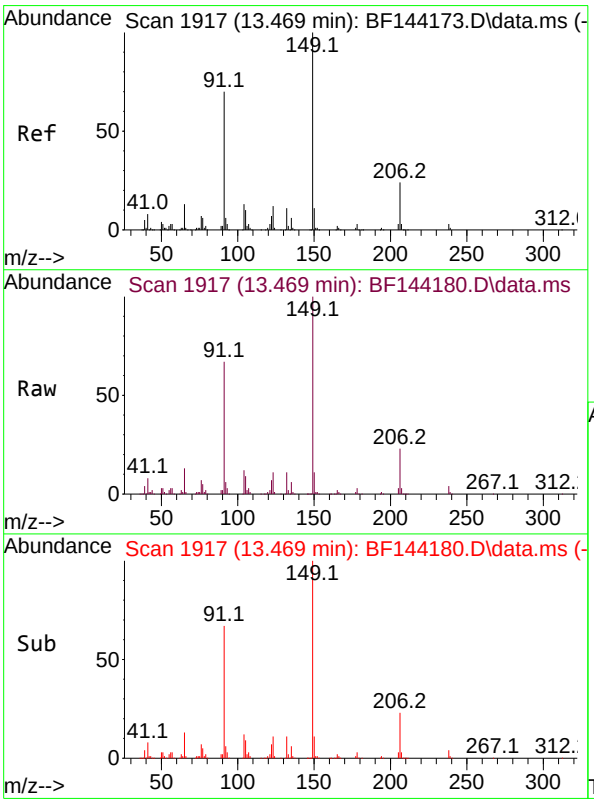
#79
Terphenyl-d14
Concen: 87.235 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1014109

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	7.1	5.6	8.4

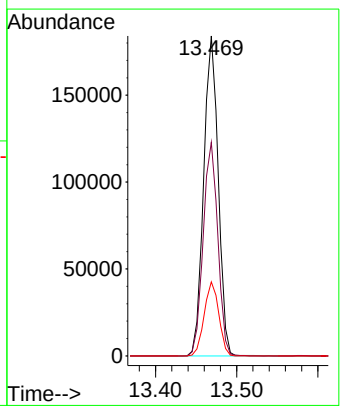


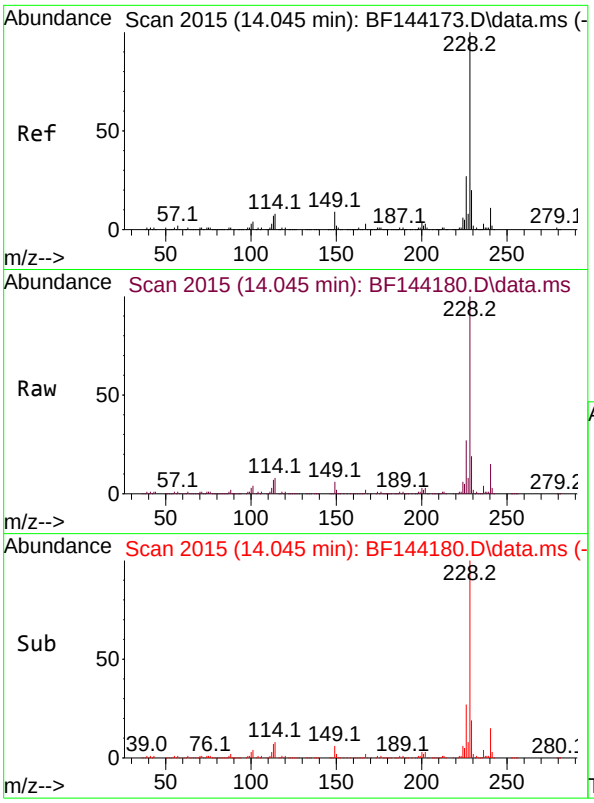


#80
Butylbenzylphthalate
Concen: 44.482 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:149 Resp: 229535

Ion	Ratio	Lower	Upper
149	100		
91	66.7	56.1	84.1
206	23.1	18.8	28.2



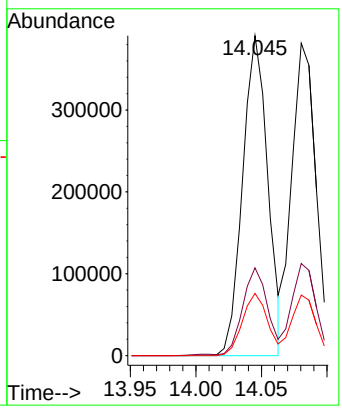


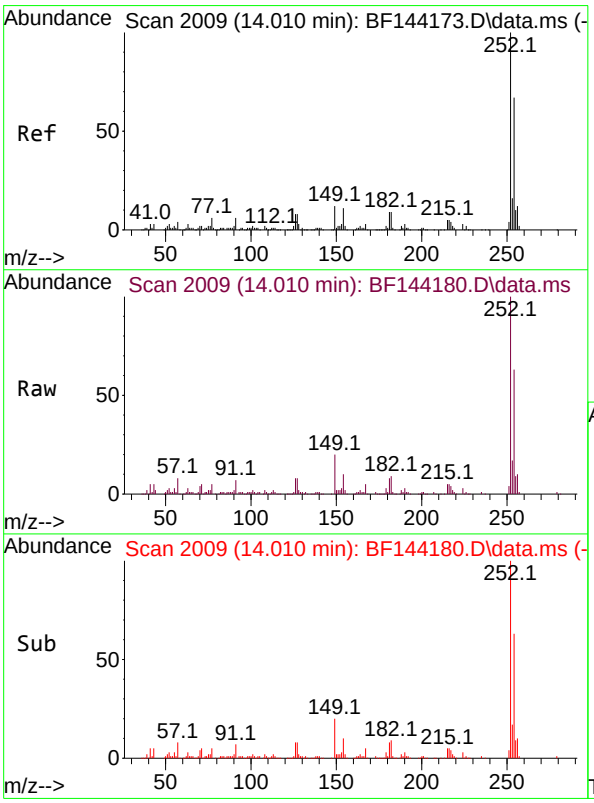
#81
Benzo(a)anthracene
Concen: 40.708 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 520973

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.4	15.8	23.6

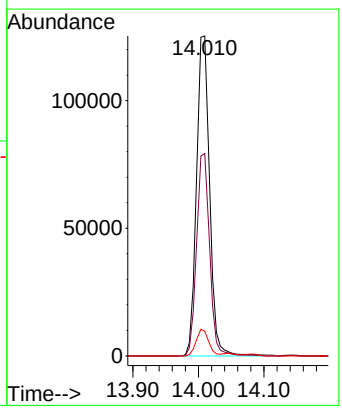


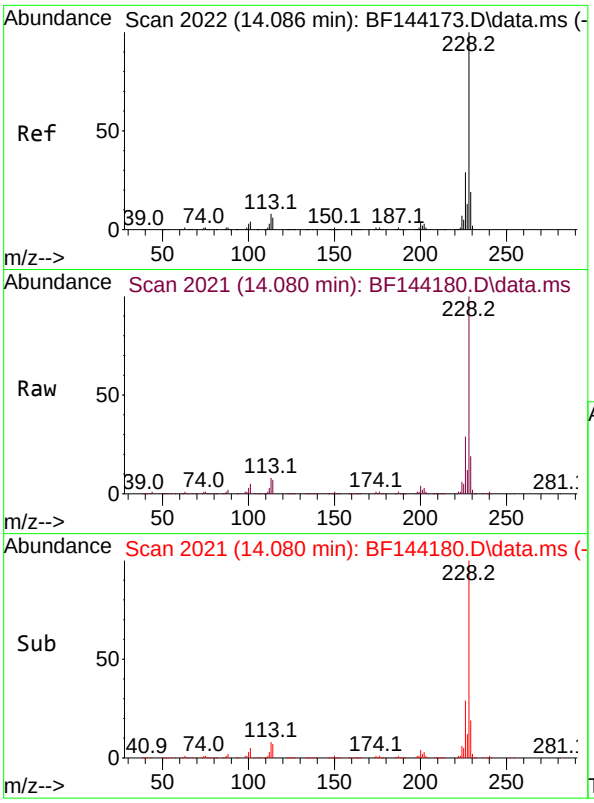


#82
3,3'-Dichlorobenzidine
Concen: 39.531 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:252 Resp: 173413

Ion	Ratio	Lower	Upper
252	100		
254	63.2	53.5	80.3
126	7.7	6.4	9.6



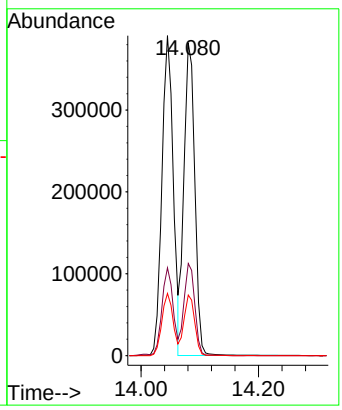


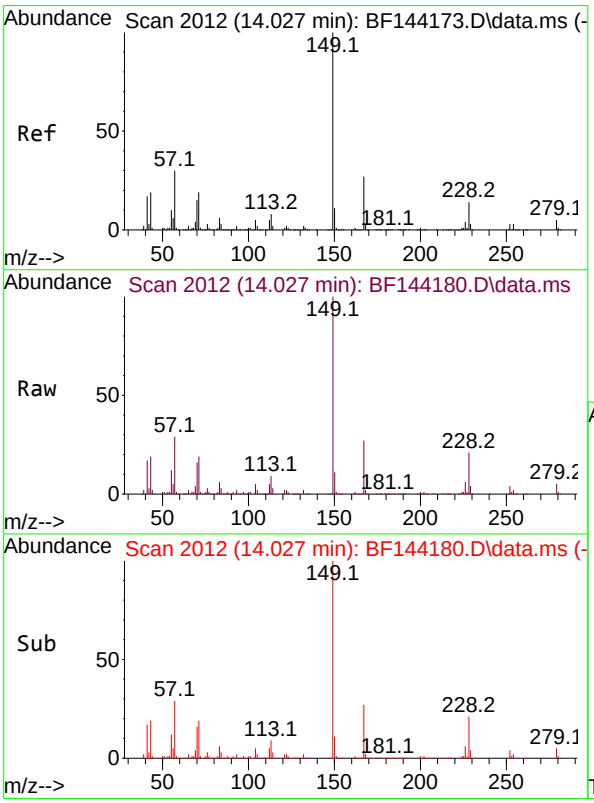
#83
Chrysene
Concen: 41.654 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 492102

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.9	34.3
229	19.4	15.0	22.6

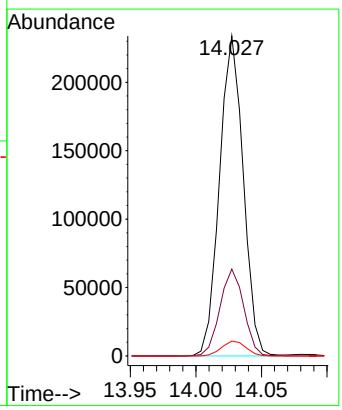


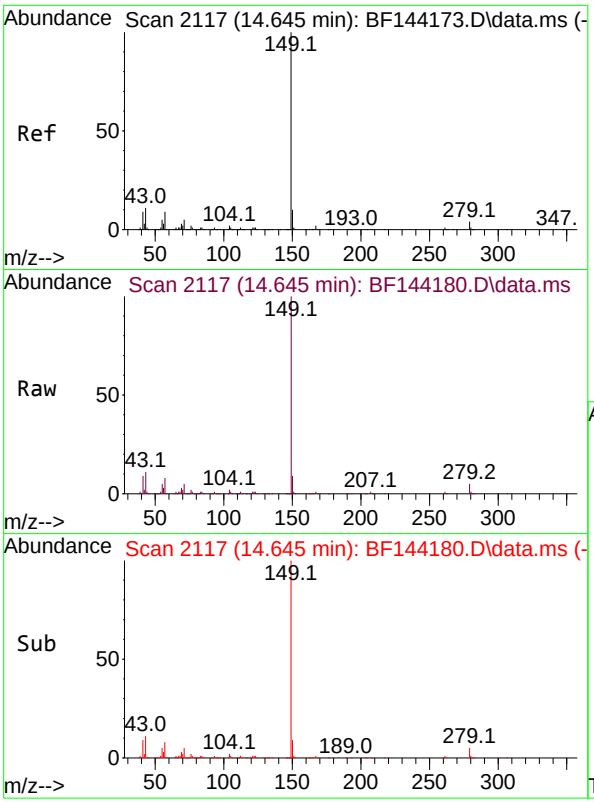


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.744 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:149 Resp: 294872

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.8
279	4.7	3.7	5.5



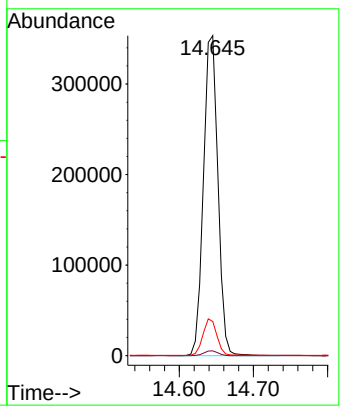


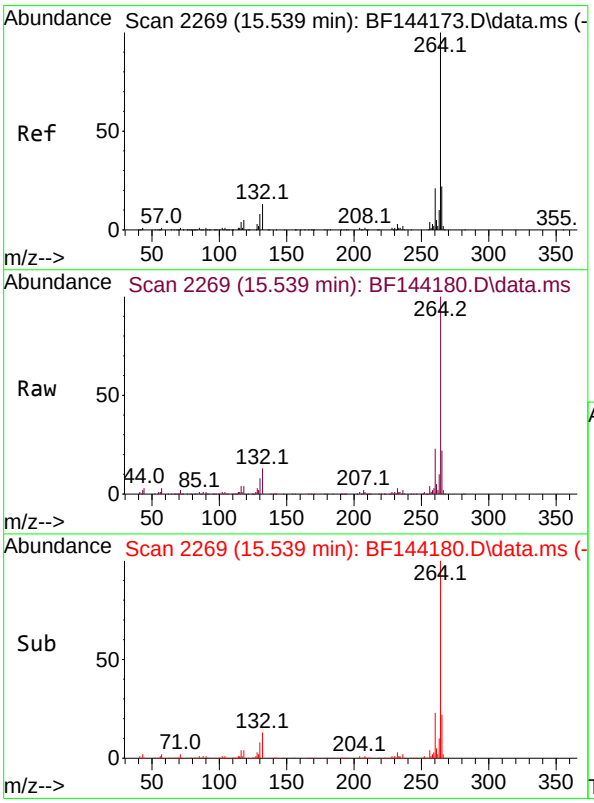
#85
Di-n-octyl phthalate
Concen: 39.268 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 478580

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.2	9.0	13.4

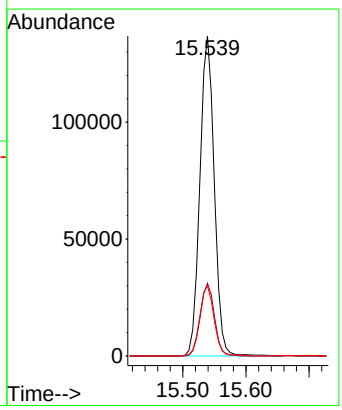


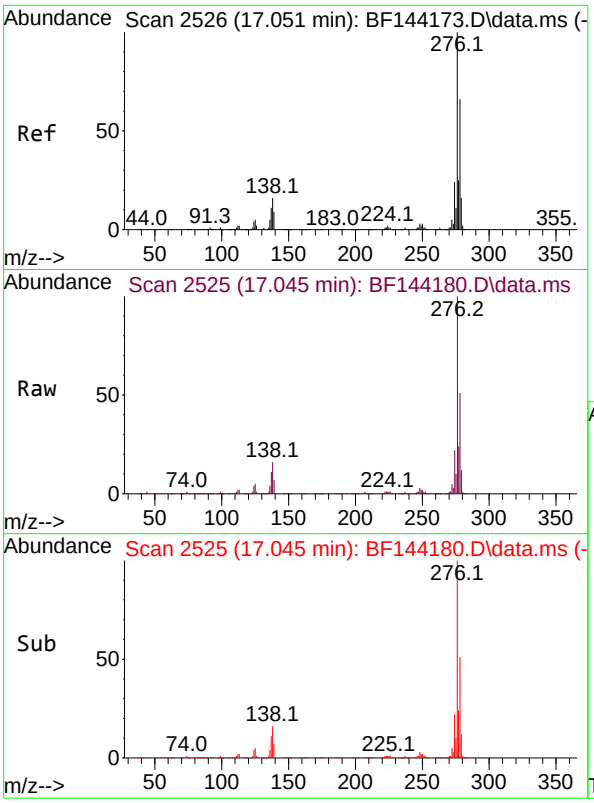


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:264 Resp: 216041

Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.1	25.7
265	21.8	17.4	26.0



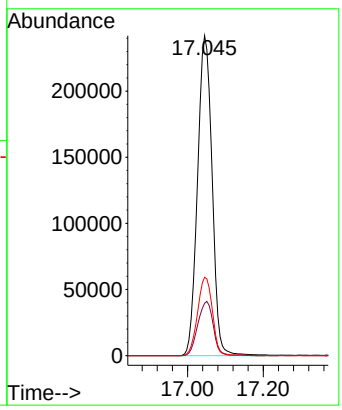


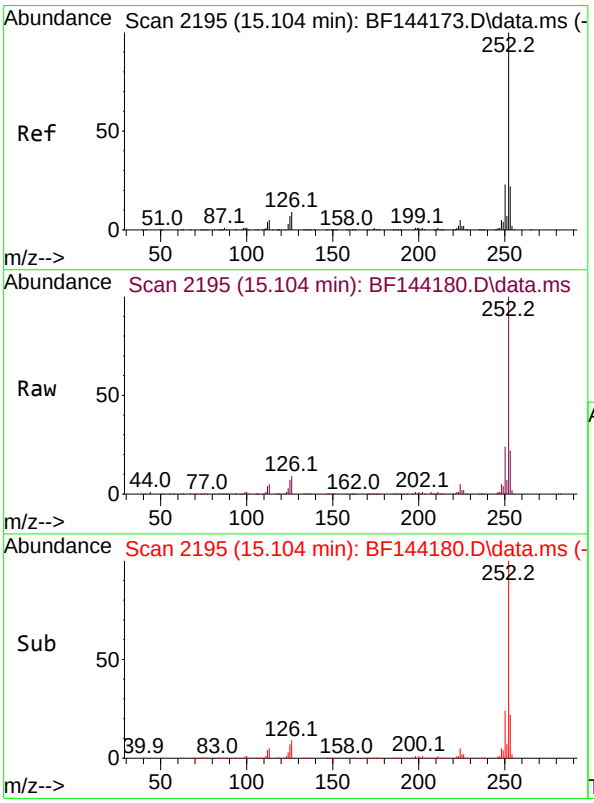
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.598 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 645112

Ion	Ratio	Lower	Upper
276	100		
138	17.6	13.9	20.9
277	25.0	19.8	29.6

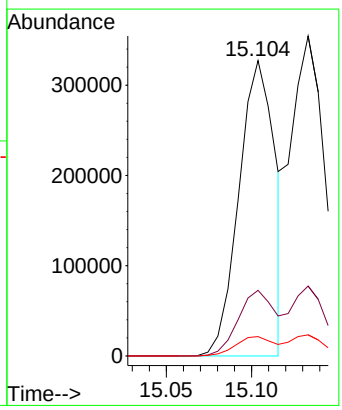


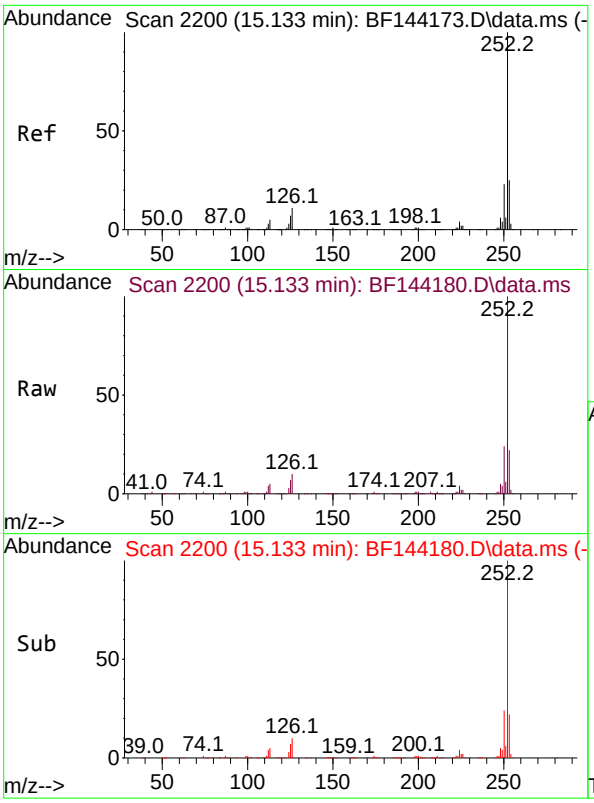


#88
Benzo(b)fluoranthene
Concen: 39.169 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:252 Resp: 481093

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	6.5	5.3	7.9



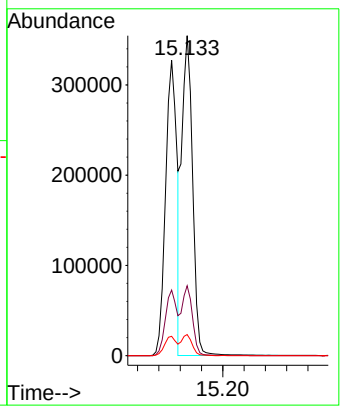


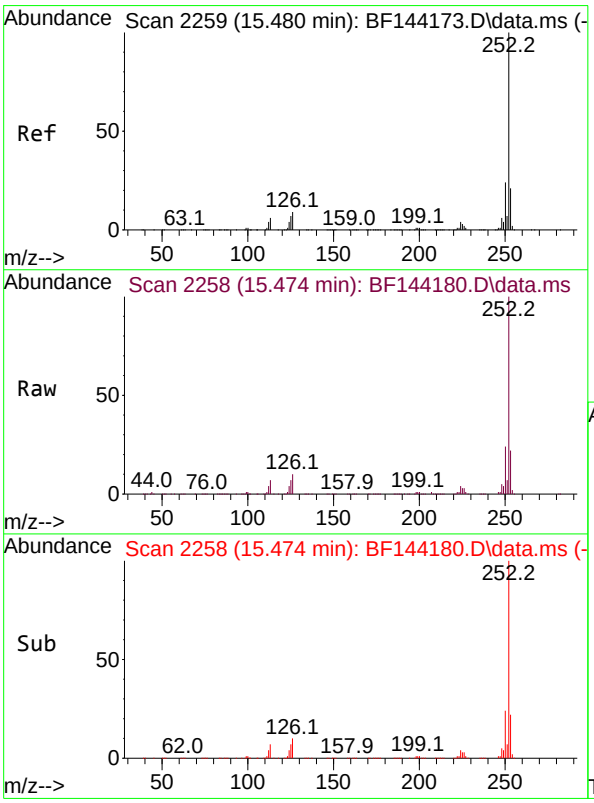
#89
Benzo(k)fluoranthene
Concen: 43.456 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 499580

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	6.6	5.4	8.2

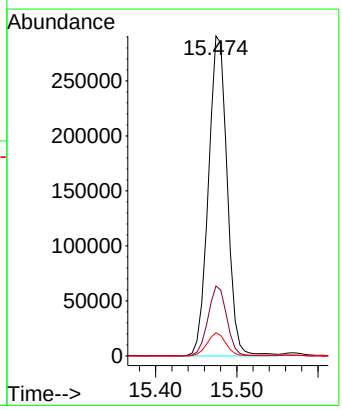


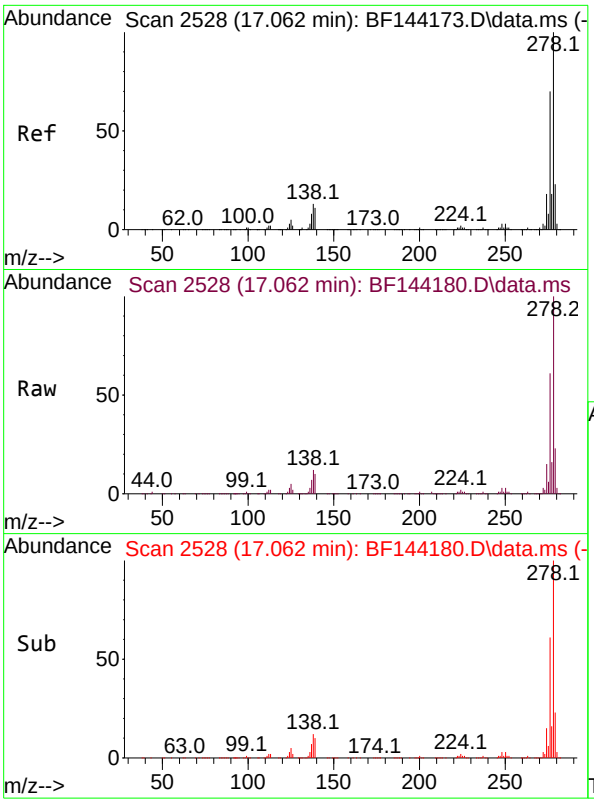


#90
Benzo(a)pyrene
Concen: 41.332 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.000 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:252 Resp: 468327

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.7	25.1
125	7.2	5.7	8.5



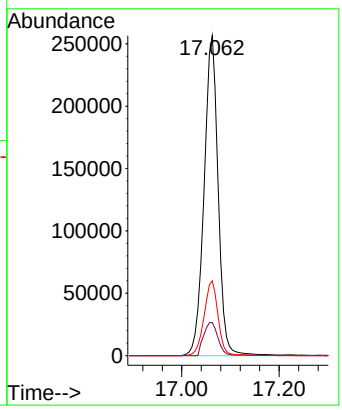


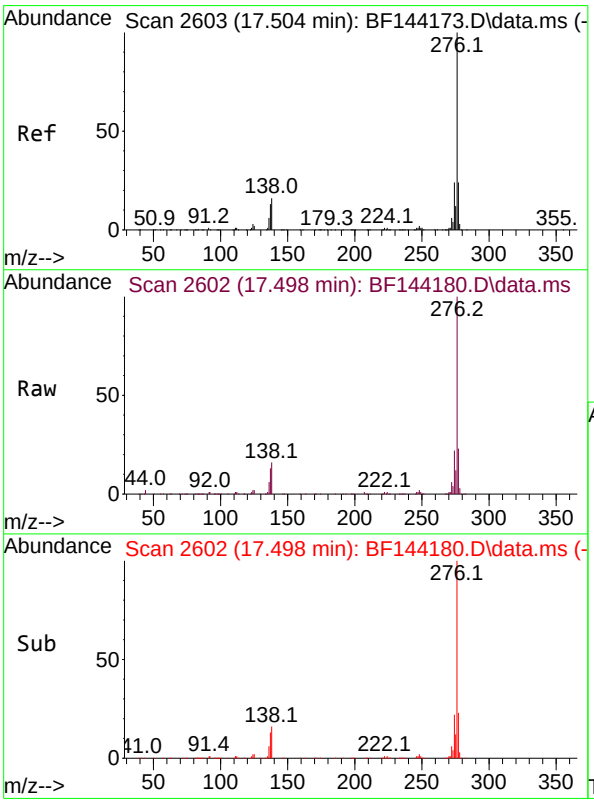
#91
Dibenzo(a,h)anthracene
Concen: 41.475 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 516567

Ion	Ratio	Lower	Upper
278	100		
139	10.3	9.1	13.7
279	23.4	18.2	27.4

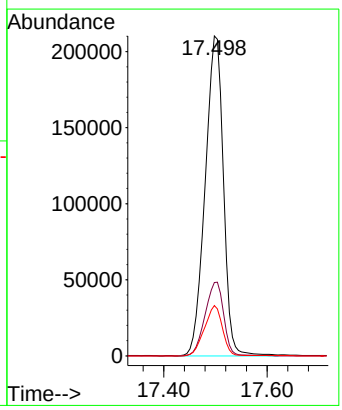




#92
Benzo(g,h,i)perylene
Concen: 42.043 ng
RT: 17.498 min Scan# 2602
Delta R.T. 0.006 min
Lab File: BF144180.D
Acq: 06 Nov 2025 11:13

Tgt Ion:276 Resp: 517098

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.4
138	15.7	12.9	19.3



Sample Results: **BF144180.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144180.D
Acq On : 06 Nov 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 11:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
2		1,4-Dioxane	0.528	0.558	-5.7	111	0.00
3		Pyridine	1.474	1.597	-8.3	116	-0.03
4		n-Nitrosodimethylamine	0.770	0.833	-8.2	119	-0.01
5	S	2-Fluorophenol	1.278	1.335	-4.5	112	0.00
6		Aniline	2.063	2.155	-4.5	115	0.00
7	S	Phenol-d6	1.448	1.506	-4.0	114	0.00
8		2-Chlorophenol	1.253	1.297	-3.5	112	0.00
9		Benzaldehyde	0.818	0.829	-1.3	112	0.00
10	C	Phenol	1.769	1.823	-3.1	108	0.00
11		bis(2-Chloroethyl)ether	1.289	1.333	-3.4	112	0.00
12		1,3-Dichlorobenzene	1.547	1.585	-2.5	114	0.00
13	C	1,4-Dichlorobenzene	1.549	1.589	-2.6	110	0.00
14		1,2-Dichlorobenzene	1.485	1.522	-2.5	113	0.00
15		Benzyl Alcohol	1.147	1.187	-3.5	113	0.00
16		2,2'-oxybis(1-Chloropropane	2.374	2.494	-5.1	114	0.00
17		2-Methylphenol	0.997	1.048	-5.1	112	0.00
18		Hexachloroethane	0.515	0.548	-6.4	114	0.00
19	P	n-Nitroso-di-n-propylamine	0.953	0.973	-2.1	113	0.01
20		3+4-Methylphenols	1.175	1.214	-3.3	110	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	114	0.00
22		Acetophenone	0.429	0.431	-0.5	114	0.00
23	S	Nitrobenzene-d5	0.346	0.359	-3.8	114	0.00
24		Nitrobenzene	0.376	0.386	-2.7	114	0.00
25		Isophorone	0.655	0.683	-4.3	116	0.01
26	C	2-Nitrophenol	0.186	0.194	-4.3	113	0.00
27		2,4-Dimethylphenol	0.279	0.293	-5.0	112	0.00
28		bis(2-Chloroethoxy)methane	0.409	0.423	-3.4	114	0.00
29	C	2,4-Dichlorophenol	0.322	0.325	-0.9	112	0.00
30		1,2,4-Trichlorobenzene	0.330	0.325	1.5	110	0.00
31		Naphthalene	0.951	0.951	0.0	112	0.00
32		Benzoic acid	0.204	0.181	11.3	115	-0.03
33		4-Chloroaniline	0.347	0.362	-4.3	114	0.00
34	C	Hexachlorobutadiene	0.249	0.252	-1.2	111	0.00
35		Caprolactam	0.088	0.095	-8.0	117	-0.02
36	C	4-Chloro-3-methylphenol	0.288	0.303	-5.2	117	0.00
37		2-Methylnaphthalene	0.636	0.646	-1.6	114	0.00
38		1-Methylnaphthalene	0.614	0.616	-0.3	114	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	118	0.00
40		1,2,4,5-Tetrachlorobenzene	0.655	0.655	0.0	114	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.199	-2.1	117	0.00
42	S	2,4,6-Tribromophenol	0.251	0.266	-6.0	118	0.00
43	C	2,4,6-Trichlorophenol	0.446	0.434	2.7	112	0.00
44		2,4,5-Trichlorophenol	0.481	0.477	0.8	115	0.00
45	S	2-Fluorobiphenyl	1.354	1.280	5.5	112	0.00
46		1,1'-Biphenyl	1.396	1.364	2.3	114	0.00
47		2-Chloronaphthalene	1.191	1.154	3.1	113	0.00

Sample Results: **BF144180.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144180.D
Acq On : 06 Nov 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 11:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.344	0.363	-5.5	118	0.00
49		Acenaphthylene	1.623	1.621	0.1	116	0.00
50		Dimethylphthalate	1.325	1.342	-1.3	117	0.00
51		2,6-Dinitrotoluene	0.268	0.284	-6.0	121	0.00
52	C	Acenaphthene	1.085	1.054	2.9	113	0.00
53		3-Nitroaniline	0.293	0.312	-6.5	117	0.00
54	P	2,4-Dinitrophenol	0.162	0.146	9.9	122	0.00
55		Dibenzofuran	1.520	1.505	1.0	114	0.00
56	P	4-Nitrophenol	0.212	0.221	-4.2	128	0.00
57		2,4-Dinitrotoluene	0.359	0.389	-8.4	119	0.00
58		Fluorene	1.156	1.160	-0.3	116	0.00
59		2,3,4,6-Tetrachlorophenol	0.340	0.347	-2.1	114	0.00
60		Diethylphthalate	1.221	1.265	-3.6	119	0.00
61		4-Chlorophenyl-phenylether	0.658	0.676	-2.7	116	0.00
62		4-Nitroaniline	0.279	0.303	-8.6	124	0.01
63		Azobenzene	1.137	1.177	-3.5	119	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	117	0.00
65		4,6-Dinitro-2-methylphenol	0.136	0.135	0.7	122	0.00
66	c	n-Nitrosodiphenylamine	0.643	0.649	-0.9	118	0.00
67		4-Bromophenyl-phenylether	0.255	0.263	-3.1	117	0.00
68		Hexachlorobenzene	0.301	0.313	-4.0	122	0.00
69		Atrazine	0.205	0.207	-1.0	118	0.00
70	C	Pentachlorophenol	0.150	0.157	-4.7	118	0.00
71		Phenanthrene	0.996	1.023	-2.7	119	0.00
72		Anthracene	1.013	1.026	-1.3	118	0.00
73		Carbazole	0.861	0.882	-2.4	118	0.00
74		Di-n-butylphthalate	1.041	1.100	-5.7	121	0.00
75	C	Fluoranthene	1.029	1.076	-4.6	120	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	114	0.00
77		Benzidine	0.592	0.614	-3.7	112	0.00
78		Pyrene	1.613	1.763	-9.3	117	0.00
79	S	Terphenyl-d14	1.259	1.373	-9.1	118	0.00
80		Butylbenzylphthalate	0.559	0.622	-11.3	120	0.00
81		Benzo(a)anthracene	1.386	1.411	-1.8	112	0.00
82		3,3'-Dichlorobenzidine	0.475	0.470	1.1	110	0.00
83		Chrysene	1.280	1.333	-4.1	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.765	0.798	-4.3	111	0.00
85	c	Di-n-octyl phthalate	1.320	1.296	1.8	104	0.00
86	I	Perylene-d12	1.000	1.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	1.436	1.493	-4.0	104	0.01
88		Benzo(b)fluoranthene	1.137	1.113	2.1	93	0.00
89		Benzo(k)fluoranthene	1.064	1.156	-8.6	115	0.00
90	C	Benzo(a)pyrene	1.049	1.084	-3.3	104	0.00
91		Dibenzo(a,h)anthracene	1.153	1.196	-3.7	103	0.01
92		Benzo(g,h,i)perylene	1.139	1.197	-5.1	104	0.00

Sample Results: **BF144180.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144180.D
Acq On : 06 Nov 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 11:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF144180.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144180.D
Acq On : 06 Nov 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 11:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	110	0.00
2		1,4-Dioxane	40.000	42.273	-5.7	111	0.00
3		Pyridine	40.000	43.329	-8.3	116	-0.03
4		n-Nitrosodimethylamine	40.000	43.298	-8.2	119	-0.01
5	S	2-Fluorophenol	80.000	83.568	-4.5	112	0.00
6		Aniline	40.000	41.783	-4.5	115	0.00
7	S	Phenol-d6	80.000	83.196	-4.0	114	0.00
8		2-Chlorophenol	40.000	41.385	-3.5	112	0.00
9		Benzaldehyde	40.000	40.527	-1.3	112	0.00
10	C	Phenol	40.000	41.213	-3.0	108	0.00
11		bis(2-Chloroethyl)ether	40.000	41.344	-3.4	112	0.00
12		1,3-Dichlorobenzene	40.000	40.996	-2.5	114	0.00
13	C	1,4-Dichlorobenzene	40.000	41.015	-2.5	110	0.00
14		1,2-Dichlorobenzene	40.000	40.987	-2.5	113	0.00
15		Benzyl Alcohol	40.000	41.394	-3.5	113	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.021	-5.1	114	0.00
17		2-Methylphenol	40.000	42.052	-5.1	112	0.00
18		Hexachloroethane	40.000	42.545	-6.4	114	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.835	-2.1	113	0.01
20		3+4-Methylphenols	40.000	41.326	-3.3	110	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	114	0.00
22		Acetophenone	40.000	40.160	-0.4	114	0.00
23	S	Nitrobenzene-d5	80.000	82.851	-3.6	114	0.00
24		Nitrobenzene	40.000	41.043	-2.6	114	0.00
25		Isophorone	40.000	41.720	-4.3	116	0.01
26	C	2-Nitrophenol	40.000	41.604	-4.0	113	0.00
27		2,4-Dimethylphenol	40.000	42.022	-5.1	112	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.408	-3.5	114	0.00
29	C	2,4-Dichlorophenol	40.000	40.470	-1.2	112	0.00
30		1,2,4-Trichlorobenzene	40.000	39.427	1.4	110	0.00
31		Naphthalene	40.000	39.968	0.1	112	0.00
32		Benzoic acid	40.000	35.315	11.7	115	-0.03
33		4-Chloroaniline	40.000	41.738	-4.3	114	0.00
34	C	Hexachlorobutadiene	40.000	40.500	-1.3	111	0.00
35		Caprolactam	40.000	43.048	-7.6	117	-0.02
36	C	4-Chloro-3-methylphenol	40.000	42.037	-5.1	117	0.00
37		2-Methylnaphthalene	40.000	40.614	-1.5	114	0.00
38		1-Methylnaphthalene	40.000	40.136	-0.3	114	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	118	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.951	0.1	114	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.826	0.4	117	0.00
42	S	2,4,6-Tribromophenol	80.000	84.944	-6.2	118	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.933	2.7	112	0.00
44		2,4,5-Trichlorophenol	40.000	39.644	0.9	115	0.00
45	S	2-Fluorobiphenyl	80.000	75.625	5.5	112	0.00
46		1,1'-Biphenyl	40.000	39.082	2.3	114	0.00
47		2-Chloronaphthalene	40.000	38.778	3.1	113	0.00

Sample Results: **BF144180.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144180.D
Acq On : 06 Nov 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 11:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.260	-5.6	118	0.00
49		Acenaphthylene	40.000	39.964	0.1	116	0.00
50		Dimethylphthalate	40.000	40.509	-1.3	117	0.00
51		2,6-Dinitrotoluene	40.000	42.332	-5.8	121	0.00
52	C	Acenaphthene	40.000	38.842	2.9	113	0.00
53		3-Nitroaniline	40.000	42.522	-6.3	117	0.00
54	P	2,4-Dinitrophenol	40.000	35.987	10.0	122	0.00
55		Dibenzofuran	40.000	39.602	1.0	114	0.00
56	P	4-Nitrophenol	40.000	41.731	-4.3	128	0.00
57		2,4-Dinitrotoluene	40.000	43.353	-8.4	119	0.00
58		Fluorene	40.000	40.169	-0.4	116	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.854	-2.1	114	0.00
60		Diethylphthalate	40.000	41.414	-3.5	119	0.00
61		4-Chlorophenyl-phenylether	40.000	41.066	-2.7	116	0.00
62		4-Nitroaniline	40.000	43.469	-8.7	124	0.01
63		Azobenzene	40.000	41.431	-3.6	119	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	117	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.889	0.3	122	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.356	-0.9	118	0.00
67		4-Bromophenyl-phenylether	40.000	41.135	-2.8	117	0.00
68		Hexachlorobenzene	40.000	41.588	-4.0	122	0.00
69		Atrazine	40.000	40.569	-1.4	118	0.00
70	C	Pentachlorophenol	40.000	41.865	-4.7	118	0.00
71		Phenanthrene	40.000	41.075	-2.7	119	0.00
72		Anthracene	40.000	40.525	-1.3	118	0.00
73		Carbazole	40.000	40.961	-2.4	118	0.00
74		Di-n-butylphthalate	40.000	42.273	-5.7	121	0.00
75	C	Fluoranthene	40.000	41.842	-4.6	120	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	114	0.00
77		Benzidine	40.000	41.487	-3.7	112	0.00
78		Pyrene	40.000	43.743	-9.4	117	0.00
79	S	Terphenyl-d14	80.000	87.235	-9.0	118	0.00
80		Butylbenzylphthalate	40.000	44.482	-11.2	120	0.00
81		Benzo(a)anthracene	40.000	40.708	-1.8	112	0.00
82		3,3'-Dichlorobenzidine	40.000	39.531	1.2	110	0.00
83		Chrysene	40.000	41.654	-4.1	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.744	-4.4	111	0.00
85	c	Di-n-octyl phthalate	40.000	39.268	1.8	104	0.00
86	I	Perylene-d12	20.000	20.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.598	-4.0	104	0.01
88		Benzo(b)fluoranthene	40.000	39.169	2.1	93	0.00
89		Benzo(k)fluoranthene	40.000	43.456	-8.6	115	0.00
90	C	Benzo(a)pyrene	40.000	41.332	-3.3	104	0.00
91		Dibenzo(a,h)anthracene	40.000	41.475	-3.7	103	0.01
92		Benzo(g,h,i)perylene	40.000	42.043	-5.1	104	0.00

Sample Results: **BF144180.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144180.D
Acq On : 06 Nov 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 11:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BG064699.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG No.: Q3534

Instrument ID: BNA_G | Calibration Date/Time: 11/06/2025 12:13

Lab File ID: BG064699.D | Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 | Init. Calib. Time(s): 09:00 15:32

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.123		-5.8	
Benzaldehyde	0.893	0.817		-8.5	
Phenol-d6	1.635	1.569		-4.0	
Phenol	1.808	1.740		-3.8	20.0
bis(2-Chloroethyl)ether	1.329	1.267		-4.7	
2-Chlorophenol	1.247	1.315		5.5	
2-Methylphenol	1.201	1.251		4.2	
2,2-oxybis(1-Chloropropane)	3.487	3.278		-6.0	
Acetophenone	0.547	0.557		1.8	
3+4-Methylphenols	1.688	1.777		5.3	
n-Nitroso-di-n-propylamine	1.130	1.186	0.050	5.0	
Nitrobenzene-d5	0.333	0.418		25.5	
Hexachloroethane	0.512	0.541		5.7	
Nitrobenzene	0.362	0.429		18.5	
Isophorone	0.799	0.823		3.0	
2-Nitrophenol	0.121	0.193		59.5	20.0
2,4-Dimethylphenol	0.297	0.312		5.1	
bis(2-Chloroethoxy)methane	0.455	0.457		0.4	
2,4-Dichlorophenol	0.320	0.382		19.4	20.0
Naphthalene	1.109	1.158		4.4	
4-Chloroaniline	0.431	0.452		4.9	
Hexachlorobutadiene	0.284	0.342		20.4	20.0
Caprolactam	0.123	0.121		-1.6	
4-Chloro-3-methylphenol	0.384	0.438		14.1	20.0
2-Methylnaphthalene	0.814	0.890		9.3	
Hexachlorocyclopentadiene	0.302	0.351	0.050	16.2	
2,4,6-Trichlorophenol	0.384	0.464		20.8	20.0
2-Fluorobiphenyl	1.319	1.387		5.2	
2,4,5-Trichlorophenol	0.443	0.522		17.8	
1,1-Biphenyl	1.422	1.439		1.2	
2-Chloronaphthalene	1.073	1.129		5.2	
2-Nitroaniline	0.311	0.400		28.6	
Dimethylphthalate	1.530	1.590		3.9	
Acenaphthylene	1.693	1.721		1.7	
2,6-Dinitrotoluene	0.218	0.309		41.7	
3-Nitroaniline	0.263	0.315		19.8	
Acenaphthene	1.157	1.196		3.4	20.0
2,4-Dinitrophenol	0.132	0.141	0.050	6.8	
4-Nitrophenol	0.244	0.196	0.050	-19.7	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG No.: Q3534
Instrument ID: BNA_G
Calibration Date/Time: 11/06/2025 12:13
Lab File ID: BG064699.D
Init. Calib. Date(s): 10/24/2025 10/24/2025
EPA Sample No.: SSTDCCC040
Init. Calib. Time(s): 09:00 15:32
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.918		2.6	
2,4-Dinitrotoluene	0.340	0.472		38.8	
Diethylphthalate	1.563	1.597		2.2	
4-Chlorophenyl-phenylether	0.820	0.923		12.6	
Fluorene	1.460	1.525		4.5	
4-Nitroaniline	0.293	0.304		3.8	
4,6-Dinitro-2-methylphenol	0.079	0.111		40.5	
n-Nitrosodiphenylamine	0.540	0.569		5.4	20.0
2,4,6-Tribromophenol	0.289	0.381		31.8	
4-Bromophenyl-phenylether	0.237	0.283		19.4	
Hexachlorobenzene	0.270	0.323		19.6	
Atrazine	0.232	0.235		1.3	
Pentachlorophenol	0.169	0.200		18.3	20.0
Phenanthrene	1.094	1.124		2.7	
Anthracene	1.113	1.125		1.1	
Carbazole	0.981	0.854		-12.9	
Di-n-butylphthalate	1.135	1.066		-6.1	
Fluoranthene	1.370	1.198		-12.6	20.0
Pyrene	1.307	1.403		7.3	
Terphenyl-d14	1.060	1.177		11.0	
Butylbenzylphthalate	0.395	0.418		5.8	
3,3-Dichlorobenzidine	0.443	0.478		7.9	
Benzo(a)anthracene	1.326	1.382		4.2	
Chrysene	1.262	1.305		3.4	
Bis(2-ethylhexyl)phthalate	0.590	0.603		2.2	
Di-n-octyl phthalate	0.995	1.058		6.3	20.0
Benzo(b)fluoranthene	1.226	1.275		4.0	
Benzo(k)fluoranthene	1.227	1.271		3.6	
Benzo(a)pyrene	1.127	1.177		4.4	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.532		4.1	
Dibenzo(a,h)anthracene	1.195	1.261		5.5	
Benzo(g,h,i)perylene	1.142	1.198		4.9	
1,2,4,5-Tetrachlorobenzene	0.671	0.752		12.1	
1,4-Dioxane	0.528	0.427		-19.1	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.518		22.2	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Sample Results: **BG064699.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064699.D
Acq On : 6 Nov 2025 12:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 12:52:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli
11/07/2025
Supervised By :Jagrut Upadhyay
11/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.206	152	39621	20.000	ng	-0.02
21) Naphthalene-d8	11.026	136	163730	20.000	ng	#-0.02
39) Acenaphthene-d10	14.822	164	142094	20.000	ng	-0.02
64) Phenanthrene-d10	17.560	188	344911	20.000	ng	-0.02
76) Chrysene-d12	21.831	240	295235	20.000	ng	#-0.03
86) Perylene-d12	25.157	264	328268	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.733	112	177981	75.399	ng	-0.02
7) Phenol-d6	7.342	99	248692	76.778	ng	-0.01
23) Nitrobenzene-d5	9.369	82	273650	100.386	ng	-0.02
42) 2,4,6-Tribromophenol	16.303	330	216535	105.583	ng	-0.02
45) 2-Fluorobiphenyl	13.453	172	788528	84.114	ng	-0.02
79) Terphenyl-d14	20.151	244	1389648	88.827	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.570	88	33829	32.370	ng	97
3) Pyridine	3.982	79	104156	33.188	ng	99
4) n-Nitrosodimethylamine	3.888	42	54394	32.320	ng	99
6) Aniline	7.513	93	164731	37.375	ng	96
8) 2-Chlorophenol	7.760	128	104170	42.162	ng	94
9) Benzaldehyde	7.325	77	64778	36.632	ng	99
10) Phenol	7.366	94	137895	38.495	ng	96
11) bis(2-Chloroethyl)ether	7.607	93	100435	38.135	ng	96
12) 1,3-Dichlorobenzene	8.089	146	113929	40.063	ng	100
13) 1,4-Dichlorobenzene	8.236	146	117176	40.524	ng	96
14) 1,2-Dichlorobenzene	8.559	146	112868	40.470	ng	95
15) Benzyl Alcohol	8.435	79	109423	40.967	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.717	45	259749	37.599	ng	99
17) 2-Methylphenol	8.635	107	99165	41.695	ng	97
18) Hexachloroethane	9.305	117	42860	42.239	ng	91
19) n-Nitroso-di-n-propyla...	9.011	70	94014	41.998	ng	97
20) 3+4-Methylphenols	8.964	107	140818	42.101	ng	96
22) Acetophenone	9.023	105	182528	40.782	ng #	98
24) Nitrobenzene	9.411	77	140436	47.366	ng	96
25) Isophorone	9.939	82	269466	41.196	ng	98
26) 2-Nitrophenol	10.127	139	63249	54.813	ng #	95
27) 2,4-Dimethylphenol	10.174	122	102321	42.053	ng	99
28) bis(2-Chloroethoxy)met...	10.415	93	149551	40.155	ng	99
29) 2,4-Dichlorophenol	10.662	162	125135	47.789	ng	99
30) 1,2,4-Trichlorobenzene	10.885	180	135173	45.434	ng	99
31) Naphthalene	11.079	128	379089	41.760	ng	99
32) Benzoic acid	10.304	122	81210m	44.329	ng	
33) 4-Chloroaniline	11.173	127	147920	41.923	ng	98
34) Hexachlorobutadiene	11.367	225	111897	48.092	ng	100
35) Caprolactam	11.949	113	39498	39.329	ng	96
36) 4-Chloro-3-methylphenol	12.278	107	143560	45.611	ng	97
37) 2-Methylnaphthalene	12.671	142	291471	43.733	ng	100
38) 1-Methylnaphthalene	12.889	142	286763	43.463	ng	97
40) 1,2,4,5-Tetrachloroben...	13.036	216	213779	44.829	ng	98
41) Hexachlorocyclopentadiene	13.018	237	99872	46.529	ng	97
43) 2,4,6-Trichlorophenol	13.265	196	131813	48.322	ng	97

Quantitation Report (QT Reviewed)

Sample Results: **BG064699.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064699.D
Acq On : 6 Nov 2025 12:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 12:52:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
11/07/2025
Supervised By :Jagrut Upadhyay
11/10/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.335	196	148335	47.123	ng		95
46)	1,1'-Biphenyl	13.664	154	408958	40.483	ng		98
47)	2-Chloronaphthalene	13.711	162	320716	42.060	ng		98
48)	2-Nitroaniline	13.899	65	113536	44.598	ng		98
49)	Acenaphthylene	14.546	152	489100	40.665	ng		99
50)	Dimethylphthalate	14.270	163	451727	41.546	ng		98
51)	2,6-Dinitrotoluene	14.387	165	87822	48.888	ng		94
52)	Acenaphthene	14.887	154	339870	41.360	ng		99
53)	3-Nitroaniline	14.716	138	89505	47.900	ng		98
54)	2,4-Dinitrophenol	14.916	184	39960	39.342	ng	#	51
55)	Dibenzofuran	15.221	168	545035	41.026	ng		96
56)	4-Nitrophenol	15.004	139	55805	32.212	ng		92
57)	2,4-Dinitrotoluene	15.169	165	134036	48.300	ng	#	91
58)	Fluorene	15.868	166	433299	41.763	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.439	232	147168	48.891	ng		98
60)	Diethylphthalate	15.627	149	453974	40.891	ng		99
61)	4-Chlorophenyl-phenyle...	15.856	204	262398	45.067	ng		98
62)	4-Nitroaniline	15.874	138	86364	41.545	ng		93
63)	Azobenzene	16.150	77	389722	38.259	ng		95
65)	4,6-Dinitro-2-methylph...	15.932	198	76879	50.354	ng		94
66)	n-Nitrosodiphenylamine	16.067	169	392619	42.140	ng		98
67)	4-Bromophenyl-phenylether	16.749	248	195293	47.780	ng		95
68)	Hexachlorobenzene	16.872	284	223089	47.843	ng		96
69)	Atrazine	17.008	200	162259	40.469	ng		98
70)	Pentachlorophenol	17.207	266	137754	47.375	ng		89
71)	Phenanthrene	17.607	178	775298	41.104	ng		99
72)	Anthracene	17.695	178	776391	40.465	ng		99
73)	Carbazole	17.954	167	589077	34.817	ng		99
74)	Di-n-butylphthalate	18.512	149	735455	37.590	ng		99
75)	Fluoranthene	19.599	202	826157	34.964	ng		98
77)	Benzidine	19.763	184	264436	39.978	ng		99
78)	Pyrene	19.957	202	828569	42.955	ng		99
80)	Butylbenzylphthalate	20.833	149	246609	42.301	ng		93
81)	Benzo(a)anthracene	21.814	228	816272	41.698	ng		100
82)	3,3'-Dichlorobenzidine	21.714	252	282354	43.193	ng		95
83)	Chrysene	21.878	228	770459	41.363	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.714	149	356015	40.868	ng	#	99
85)	Di-n-octyl phthalate	22.965	149	624789	42.540	ng		95
87)	Indeno(1,2,3-cd)pyrene	28.970	276	1005525	41.639	ng	#	96
88)	Benzo(b)fluoranthene	24.099	252	837036	41.583	ng		98
89)	Benzo(k)fluoranthene	24.170	252	834564	41.432	ng		99
90)	Benzo(a)pyrene	25.004	252	772958	41.774	ng	#	97
91)	Dibenzo(a,h)anthracene	29.041	278	828002	42.204	ng		97
92)	Benzo(g,h,i)perylene	30.151	276	786435	41.962	ng	#	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BG064699.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064699.D
Acq On : 6 Nov 2025 12:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 12:52:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

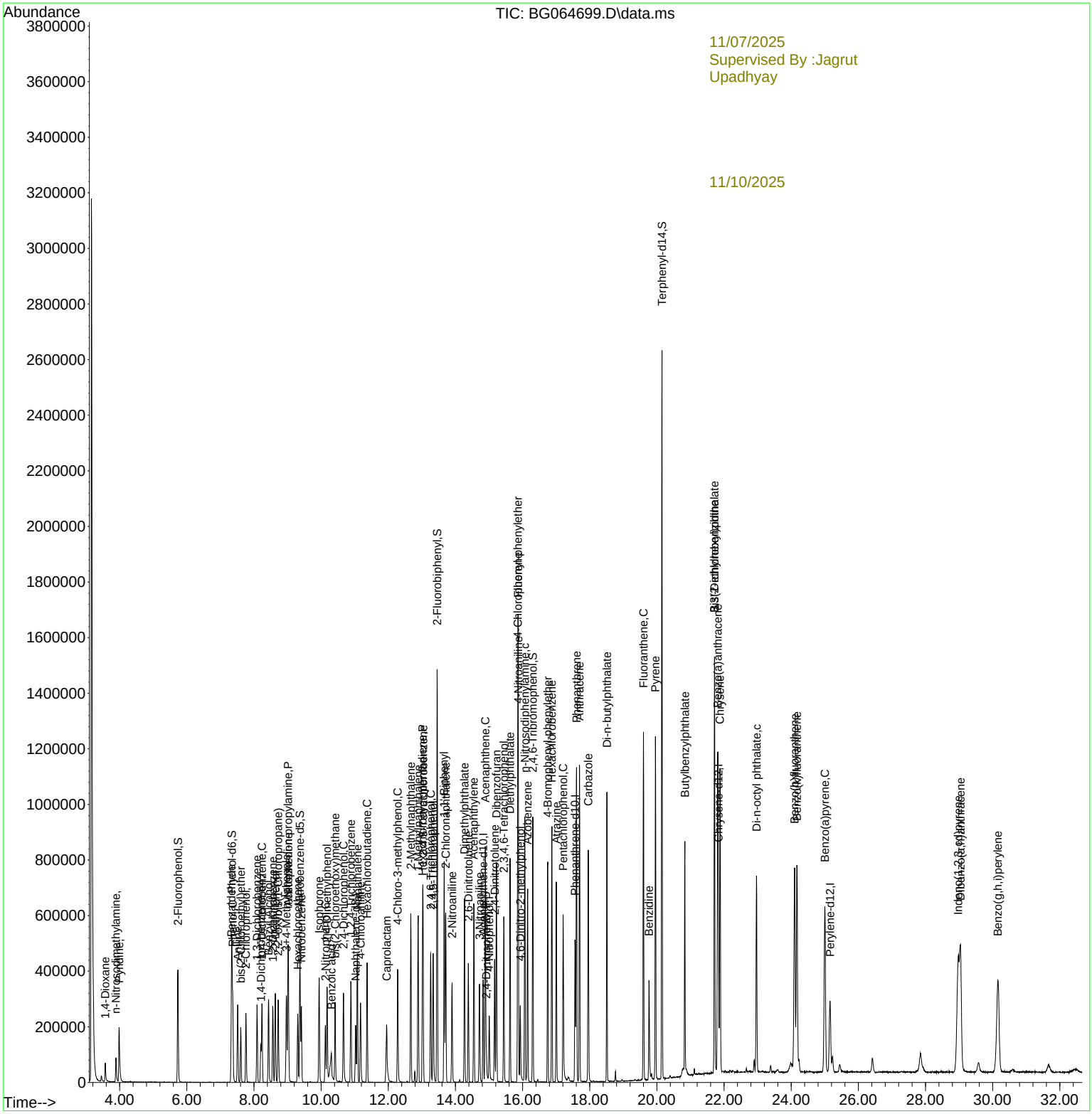
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

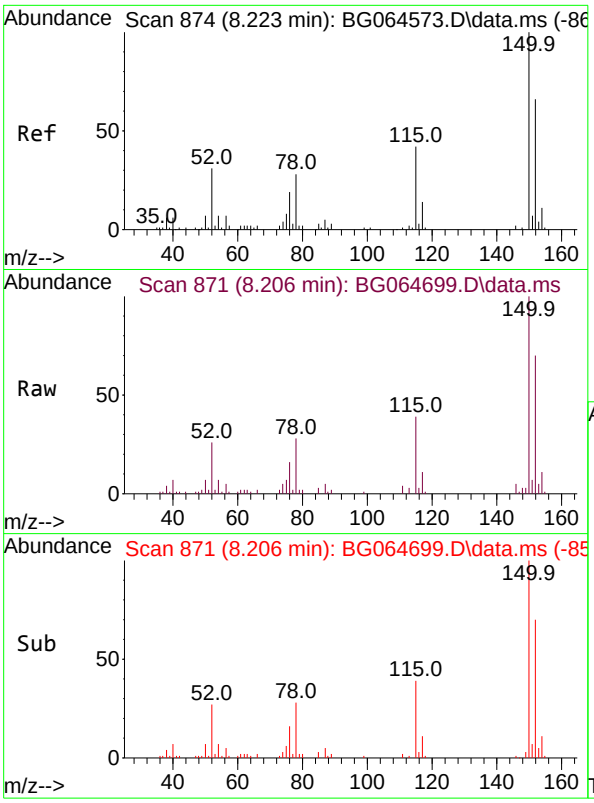
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

11/07/2025
Supervised By :Jagrut Upadhyay

11/10/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.206 min Scan# 8
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:152 Resp: 3962

Ion	Ratio	Lower	Upper
152	100		
150	142.8	122.2	183.4
115	55.2	50.8	76.2

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

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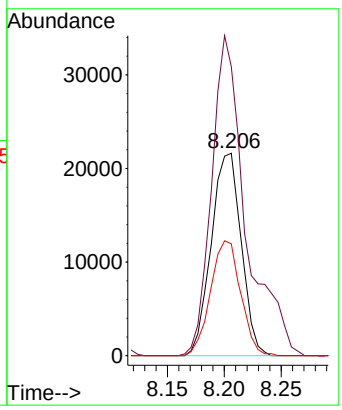
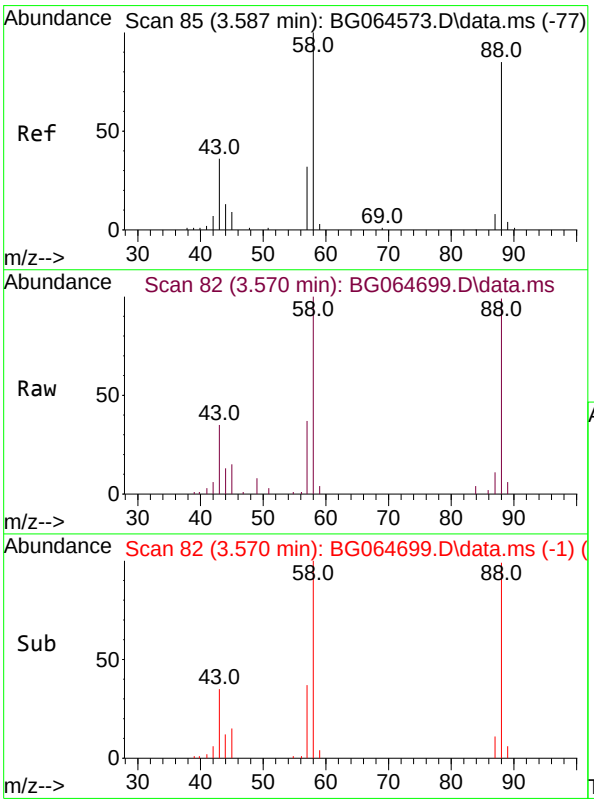
11/10/2025

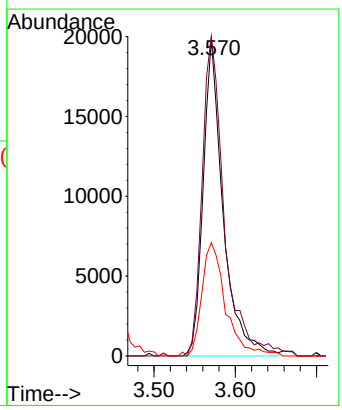


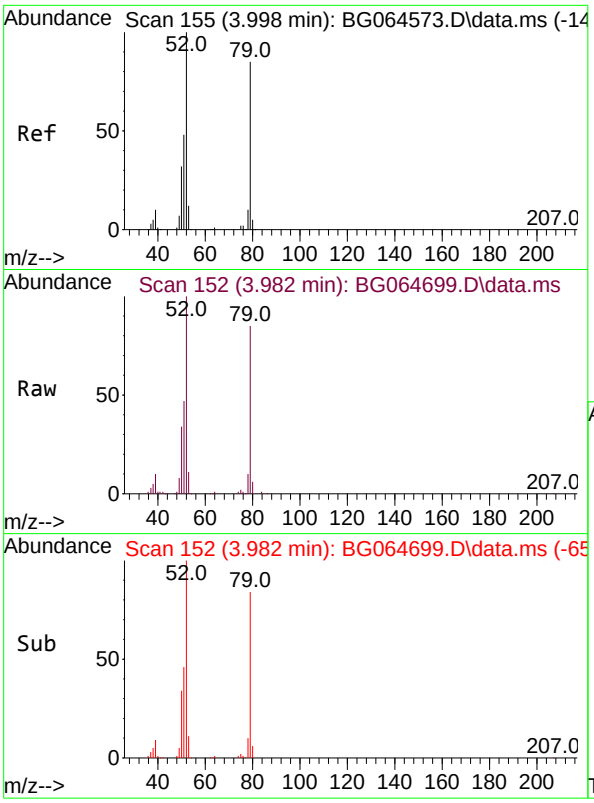


#2
1,4-Dioxane
Concen: 32.370 ng
RT: 3.570 min Scan# 82
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 88 Resp: 33829

Ion	Ratio	Lower	Upper
88	100		
58	111.6	92.4	138.6
43	42.7	33.0	49.6





#3
Pyridine
Concen: 33.188 ng
RT: 3.982 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

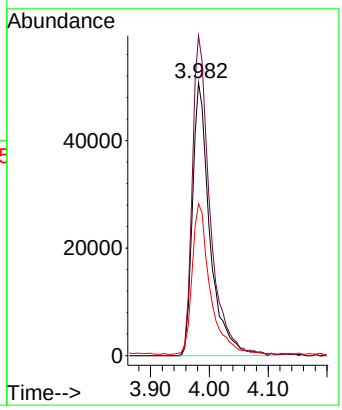
Tgt Ion: 79 Resp: 104156

Ion	Ratio	Lower	Upper
79	100		
52	117.2	94.2	141.2
51	55.6	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli



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Supervised By :Jagrut Upadhyay

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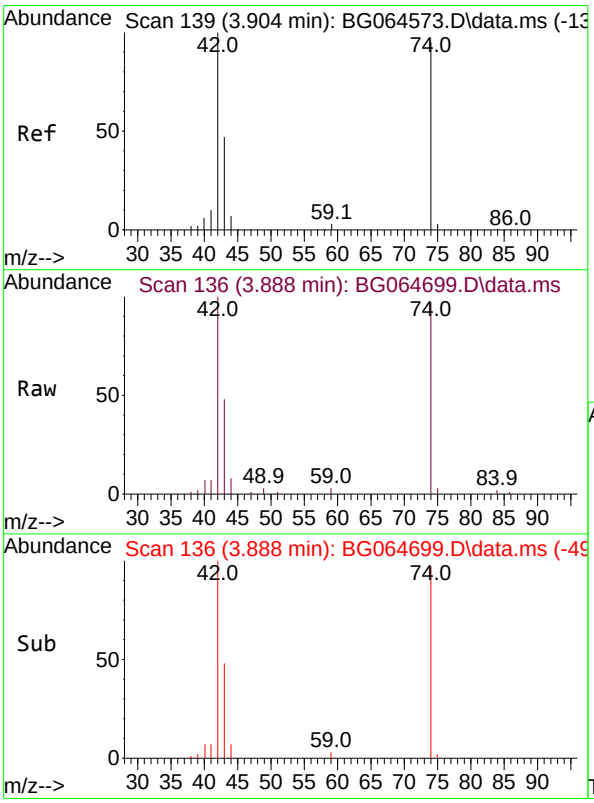
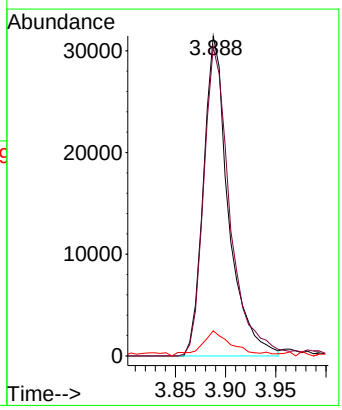
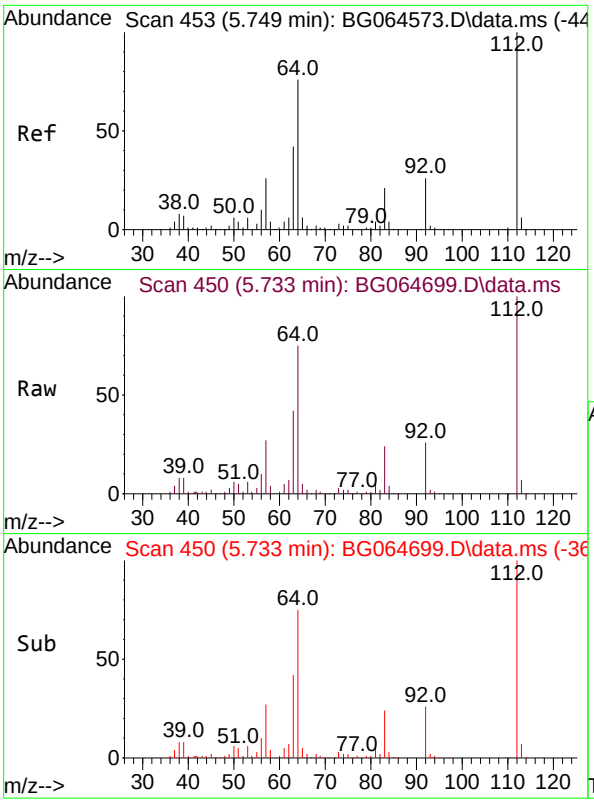


#4
n-Nitrosodimethylamine
Concen: 32.320 ng
RT: 3.888 min Scan# 136
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 42 Resp: 54394

Ion	Ratio	Lower	Upper
42	100		
74	96.5	76.1	114.1
44	7.8	6.3	9.5





#5
2-Fluorophenol
Concen: 75.399 ng
RT: 5.733 min Scan# 4
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

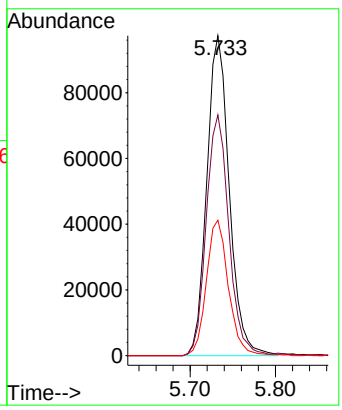
Tgt Ion:112 Resp: 17798

Ion	Ratio	Lower	Upper
112	100		
64	75.2	60.7	91.1
63	42.3	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli



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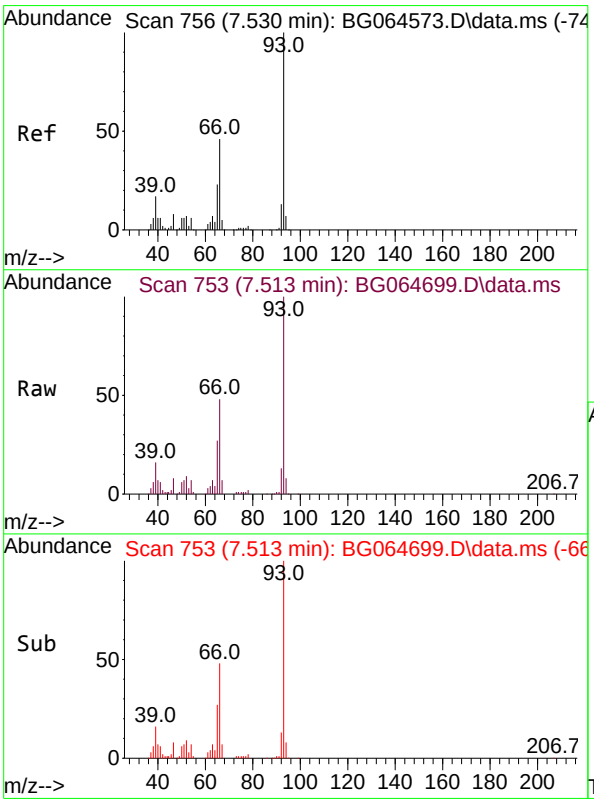
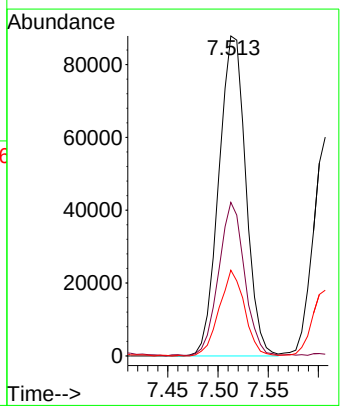
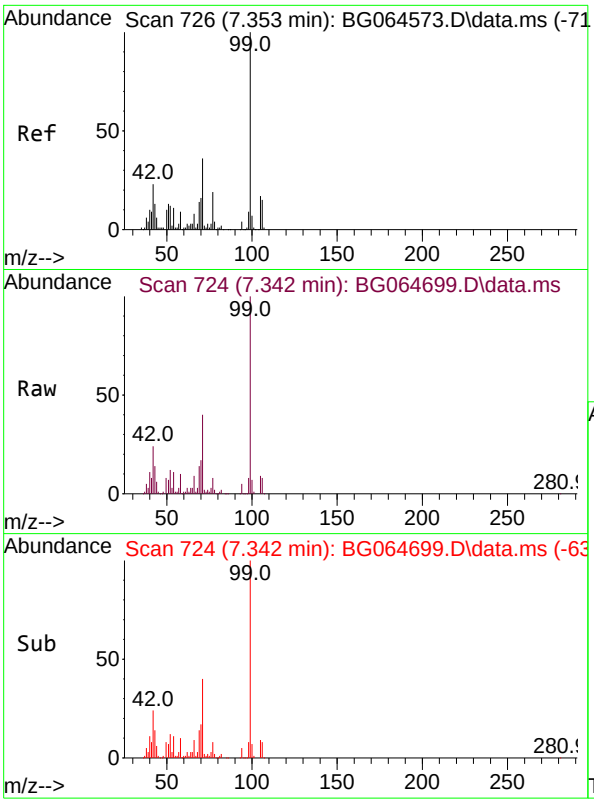


#6
Aniline
Concen: 37.375 ng
RT: 7.513 min Scan# 753
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 93 Resp: 164731

Ion	Ratio	Lower	Upper
93	100		
66	48.0	37.0	55.6
65	26.8	18.3	27.5





#7
Phenol-d6
Concen: 76.778 ng
RT: 7.342 min Scan# 7
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

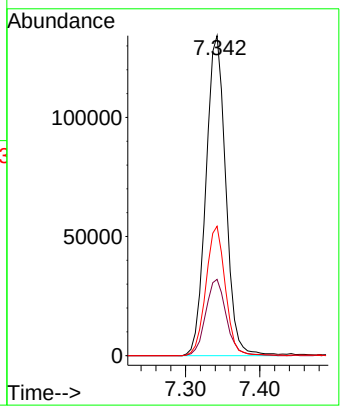
Tgt Ion: 99 Resp: 24869

Ion	Ratio	Lower	Upper
99	100		
42	23.8	18.3	27.5
71	40.5	28.6	43.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli



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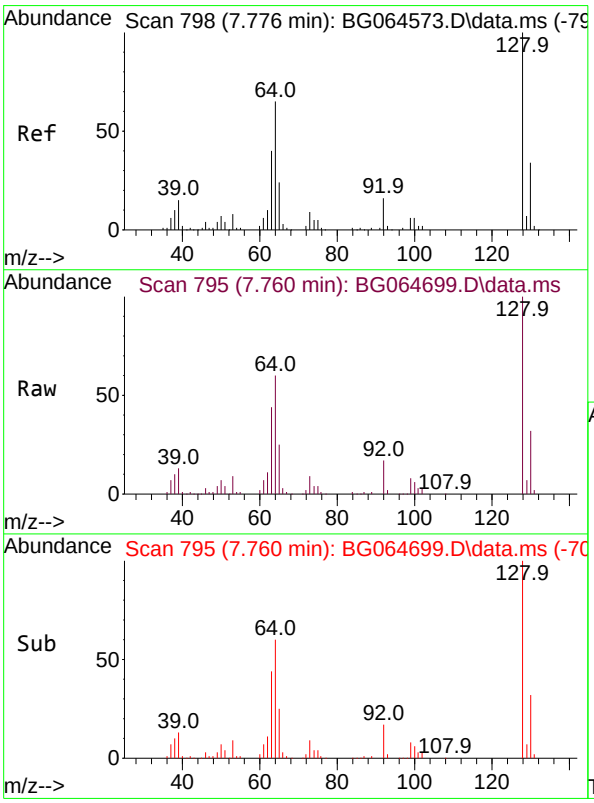
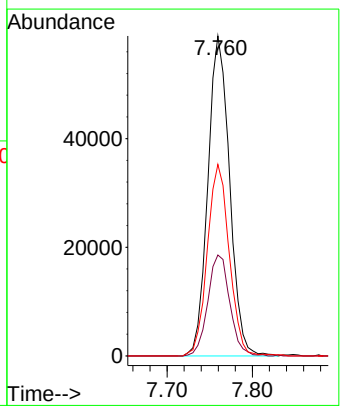
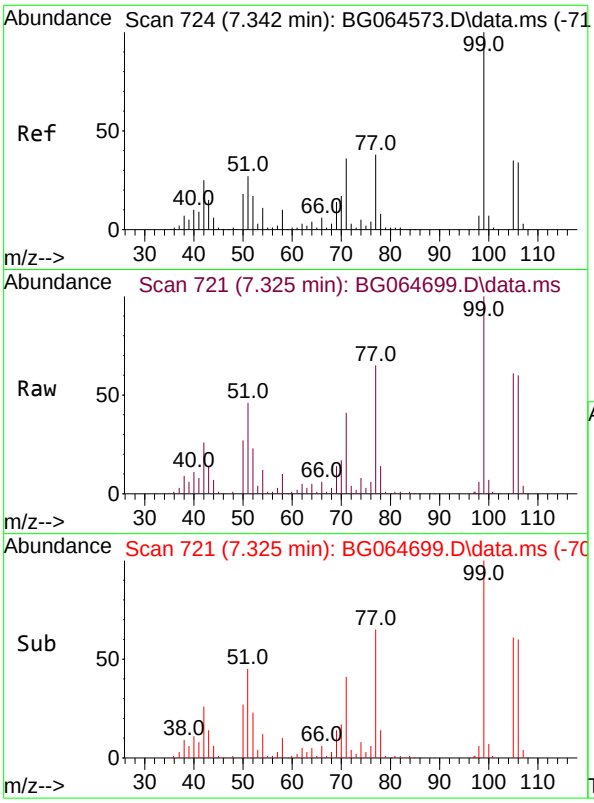


#8
2-Chlorophenol
Concen: 42.162 ng
RT: 7.760 min Scan# 795
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:128 Resp: 104170

Ion	Ratio	Lower	Upper
128	100		
130	31.5	13.5	53.5
64	59.8	45.2	85.2





#9
Benzaldehyde
Concen: 36.632 ng
RT: 7.325 min Scan# 7
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

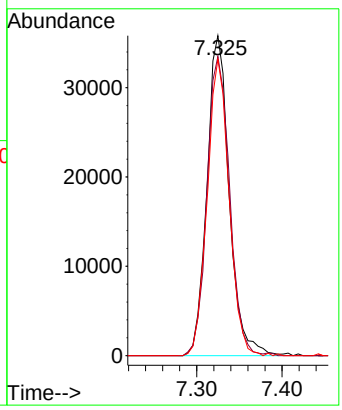
Tgt Ion: 77 Resp: 6477

Ion	Ratio	Lower	Upper
77	100		
105	93.5	72.9	112.9
106	92.7	70.8	110.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli



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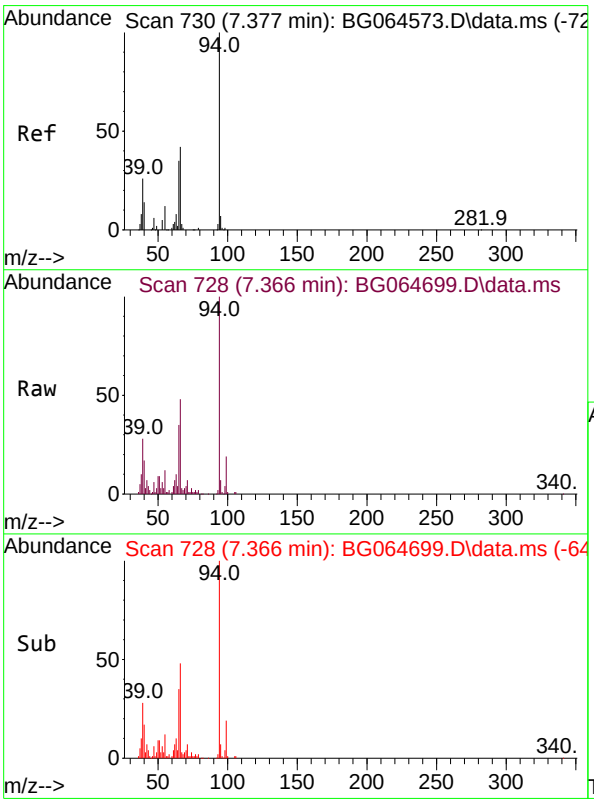
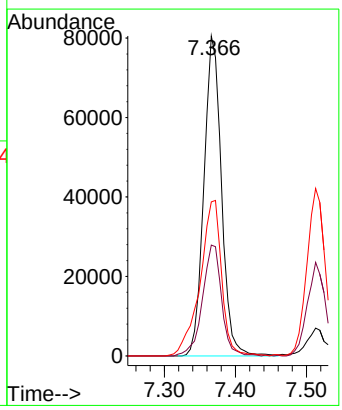
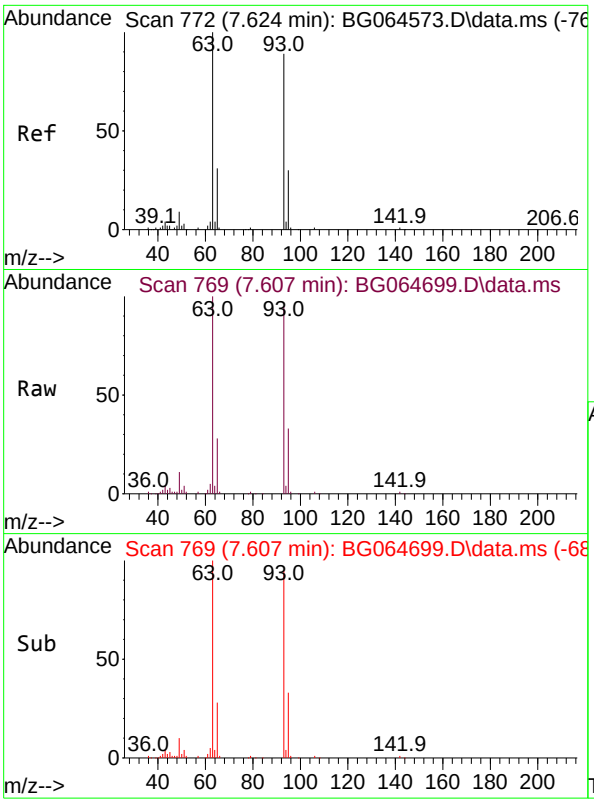


#10
Phenol
Concen: 38.495 ng
RT: 7.366 min Scan# 728
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 94 Resp: 137895

Ion	Ratio	Lower	Upper
94	100		
65	34.6	15.8	55.8
66	48.1	24.0	64.0





#11
bis(2-Chloroethyl)ether
Concen: 38.135 ng
RT: 7.607 min Scan# 7
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

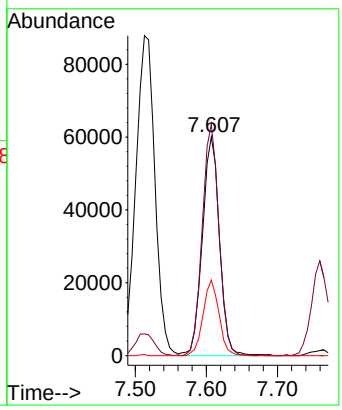
Tgt Ion: 93 Resp: 10043

Ion	Ratio	Lower	Upper
93	100		
63	105.8	91.3	131.3
95	34.5	13.3	53.3

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli



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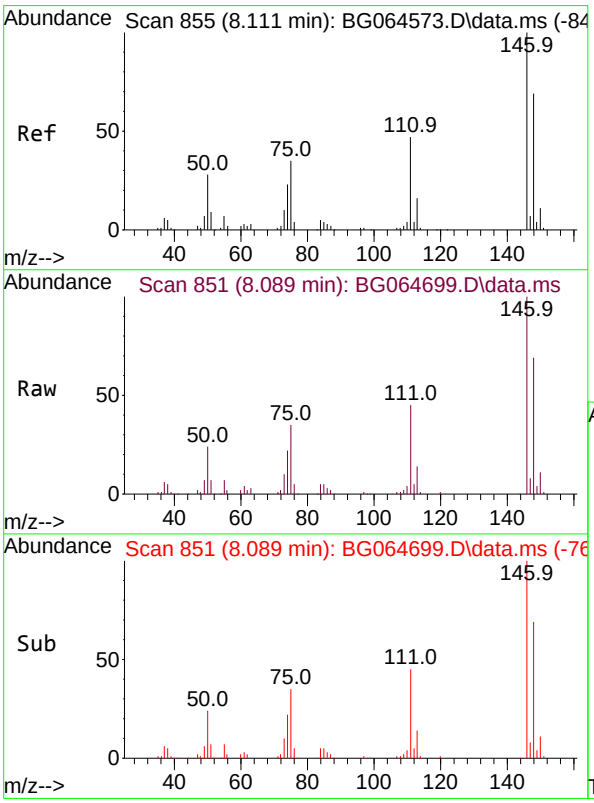
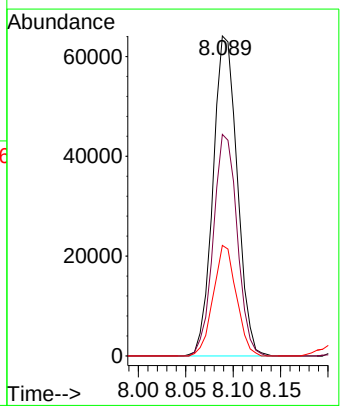
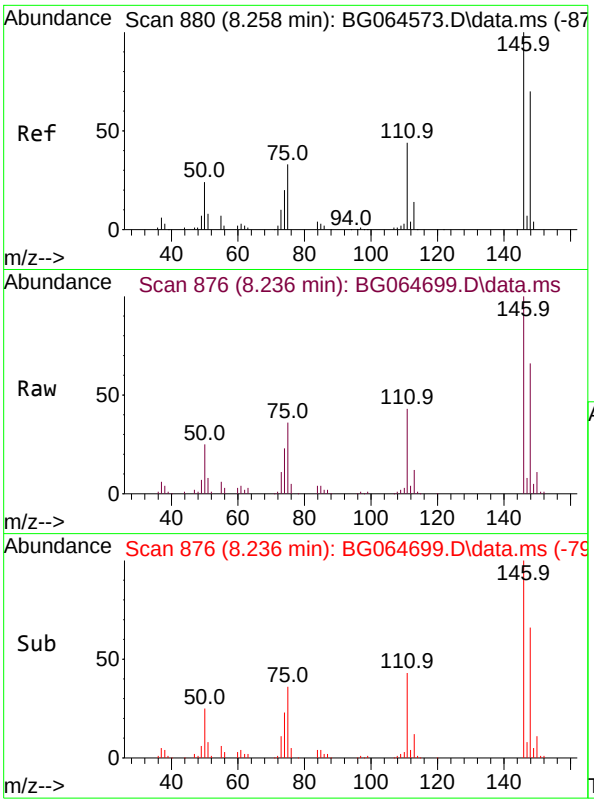


#12
1,3-Dichlorobenzene
Concen: 40.063 ng
RT: 8.089 min Scan# 851
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:146 Resp: 113929

Ion	Ratio	Lower	Upper
146	100		
148	69.2	55.3	82.9
75	34.5	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 40.524 ng
RT: 8.236 min Scan# 8
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:146 Resp: 11717

Ion	Ratio	Lower	Upper
146	100		
148	66.2	56.2	84.4
111	43.0	35.4	53.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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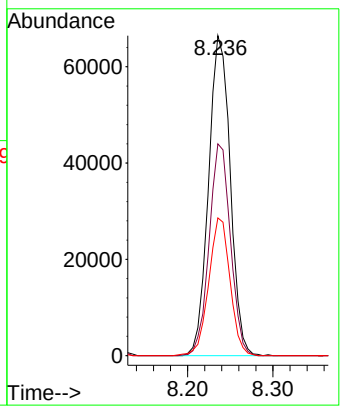

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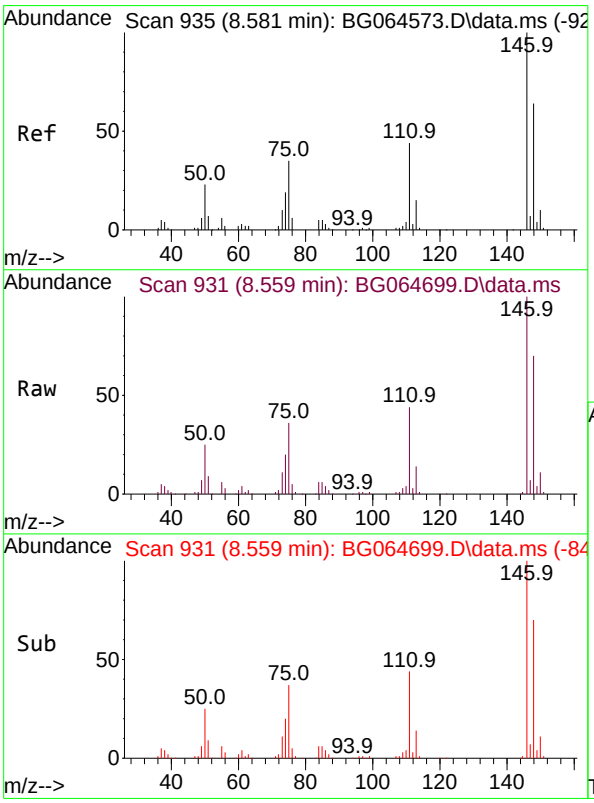
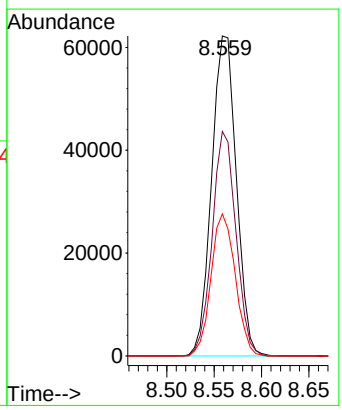
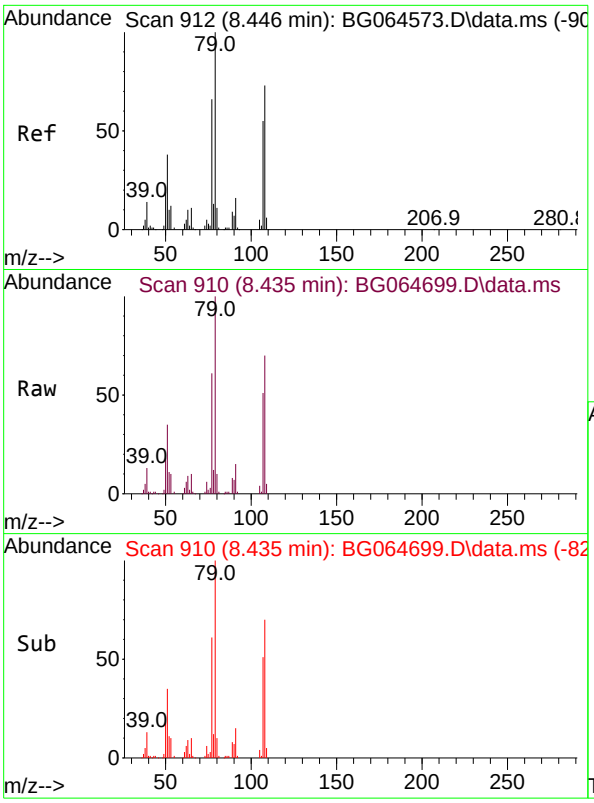


#14
1,2-Dichlorobenzene
Concen: 40.470 ng
RT: 8.559 min Scan# 931
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:146 Resp: 112868

Ion	Ratio	Lower	Upper
146	100		
148	70.1	51.5	77.3
111	44.4	35.0	52.6





#15
Benzyl Alcohol
Concen: 40.967 ng
RT: 8.435 min Scan# 91
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 79 Resp: 10942

Ion	Ratio	Lower	Upper
79	100		
108	69.7	58.1	87.1
77	60.7	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
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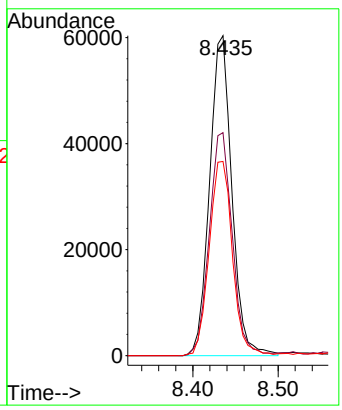

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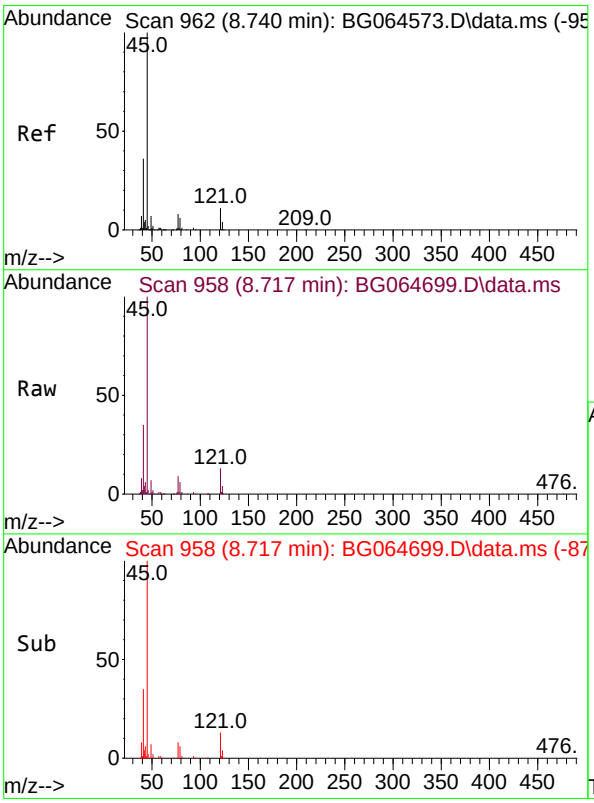
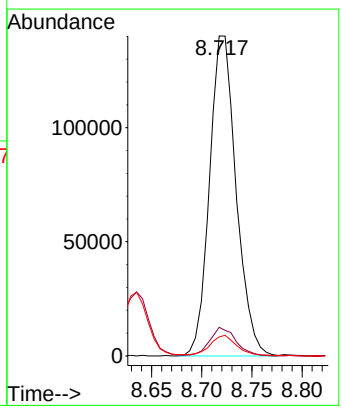
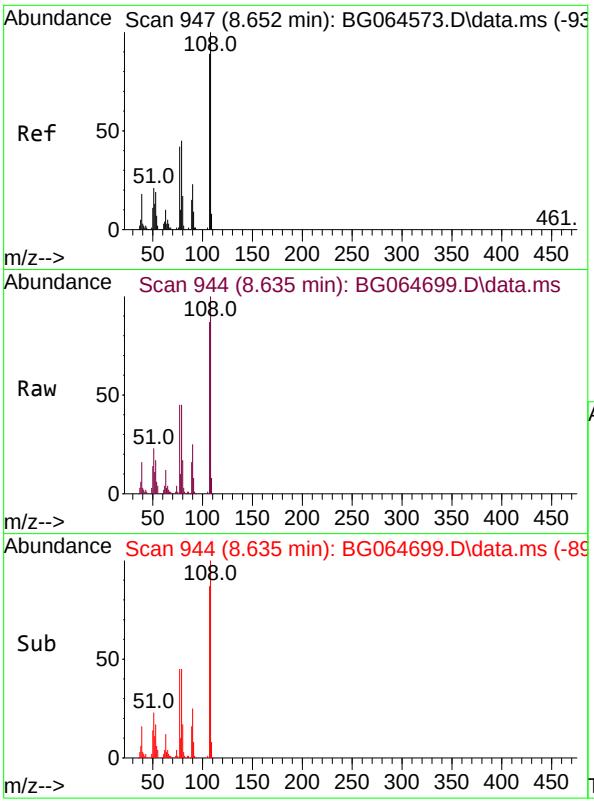


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.599 ng
RT: 8.717 min Scan# 958
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 45 Resp: 259749

Ion	Ratio	Lower	Upper
45	100		
77	8.9	0.0	28.5
79	6.0	0.0	25.6

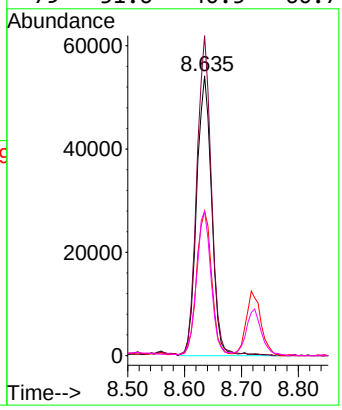




#17
2-Methylphenol
Concen: 41.695 ng
RT: 8.635 min Scan# 94
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:107 Resp: 9916

Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.0	135.0
77	51.7	37.8	56.8
79	51.6	40.5	60.7



Instrument :
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ClientSampleId :
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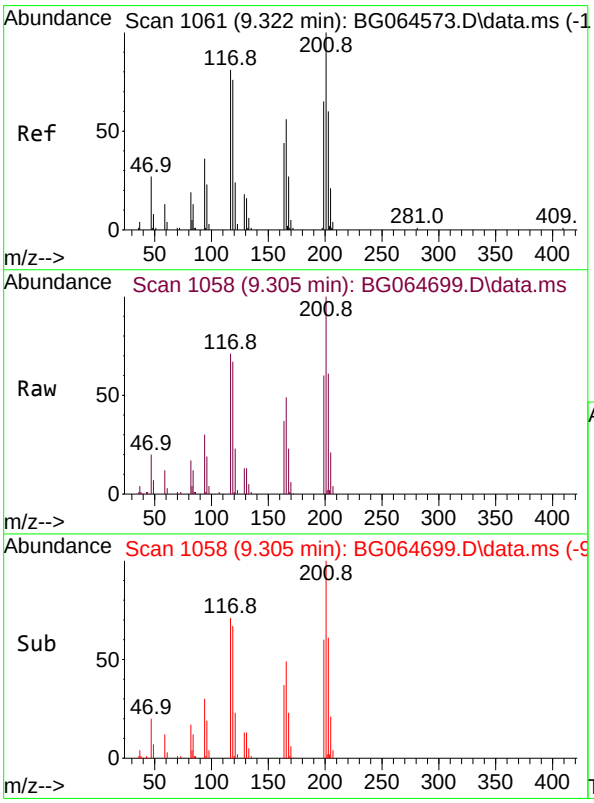
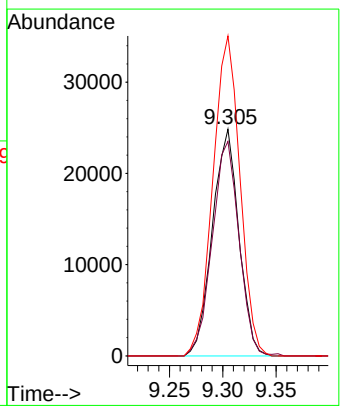
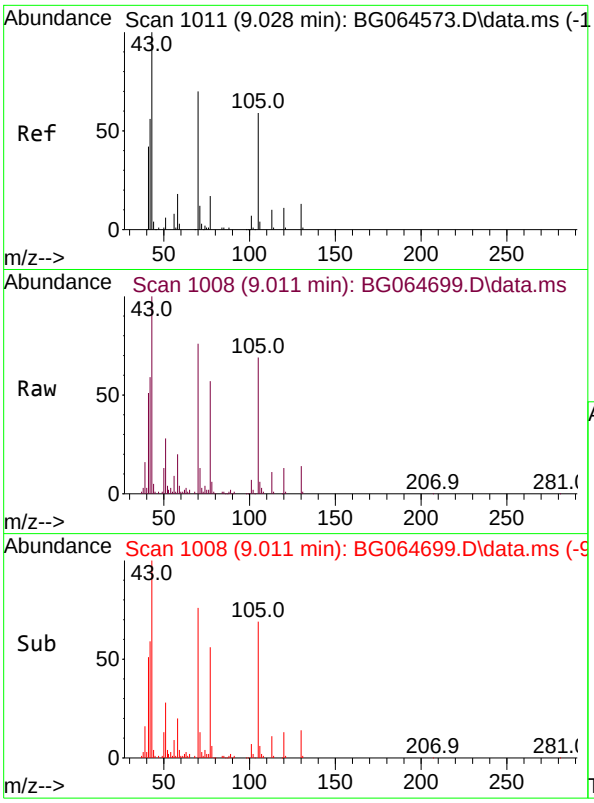


#18
Hexachloroethane
Concen: 42.239 ng
RT: 9.305 min Scan# 1058
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:117 Resp: 42860

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.4	113.2
201	141.2	99.2	148.8





#19
n-Nitroso-di-n-propylamine
Concen: 41.998 ng
RT: 9.011 min Scan# 1(
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 70 Resp: 9401

Ion	Ratio	Lower	Upper
70	100		
42	78.4	65.2	97.8
101	9.3	7.9	11.9
130	19.1	14.3	21.5

Instrument :
BNA_G
ClientSampleId :
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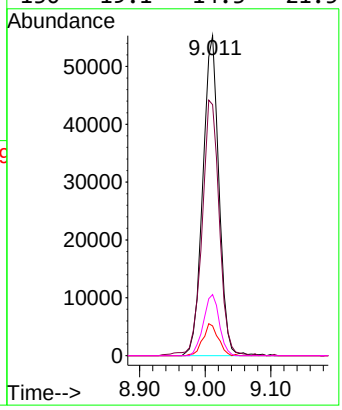
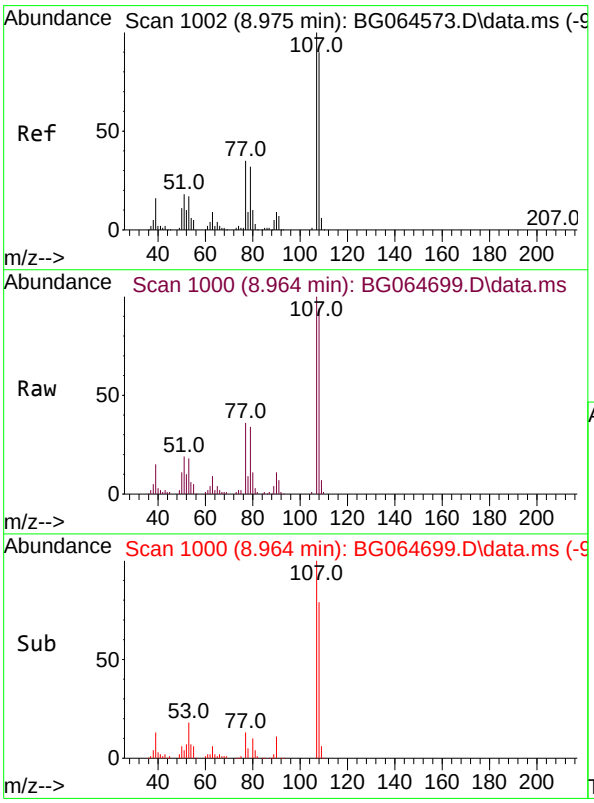
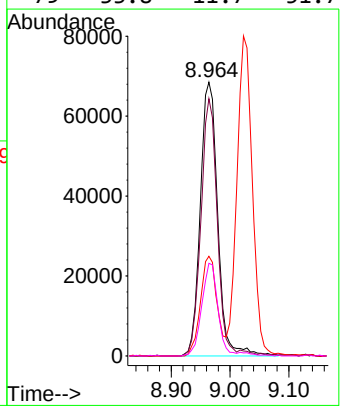


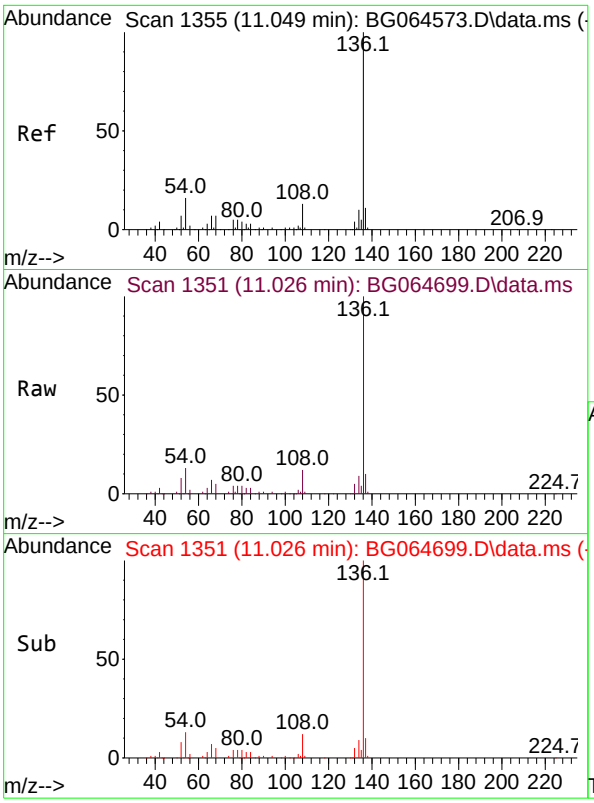


#20
3+4-Methylphenols
Concen: 42.101 ng
RT: 8.964 min Scan# 1000
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:107 Resp: 140818

Ion	Ratio	Lower	Upper
107	100		
108	94.0	70.3	110.3
77	36.4	14.6	54.6
79	33.8	11.7	51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.026 min Scan# 1
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:136 Resp: 16373

Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	13.1	12.6	19.0
68	5.4	5.7	8.5#

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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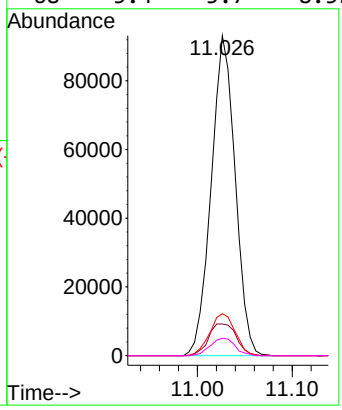

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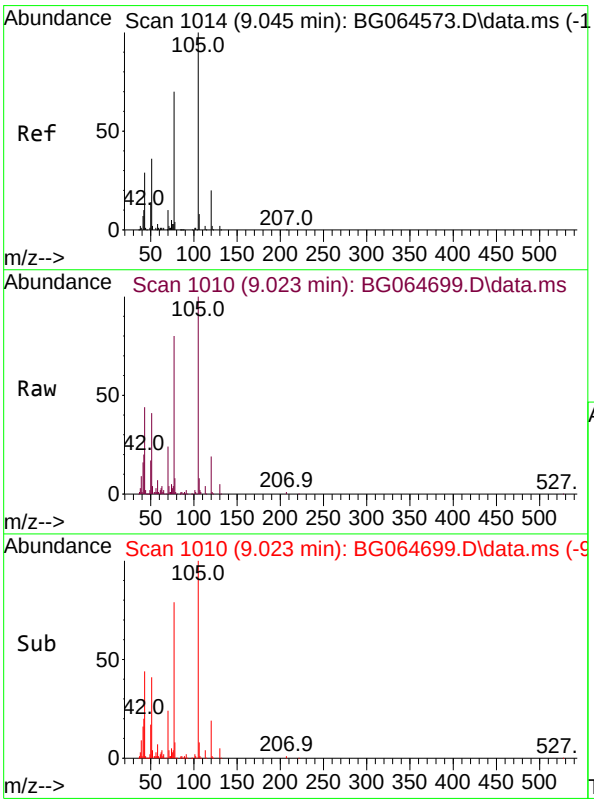
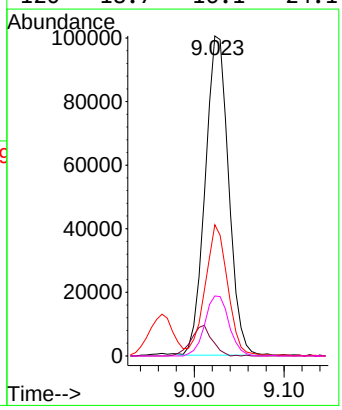
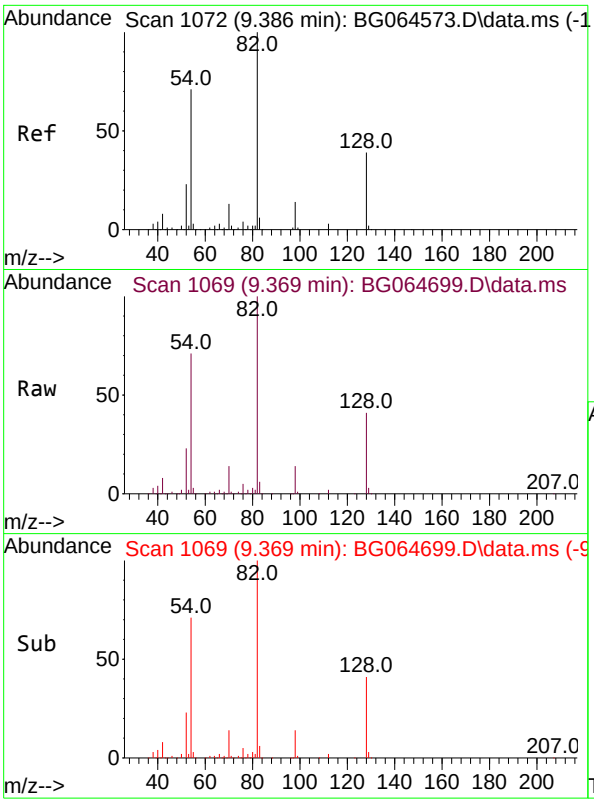


#22
Acetophenone
Concen: 40.782 ng
RT: 9.023 min Scan# 1010
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:105 Resp: 182528

Ion	Ratio	Lower	Upper
105	100		
71	3.9	1.5	2.3#
51	41.0	33.7	50.5
120	18.7	16.1	24.1





#23
Nitrobenzene-d5
Concen: 100.386 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 82 Resp: 273650

Ion	Ratio	Lower	Upper
82	100		
128	41.2	31.3	46.9
54	71.1	56.6	84.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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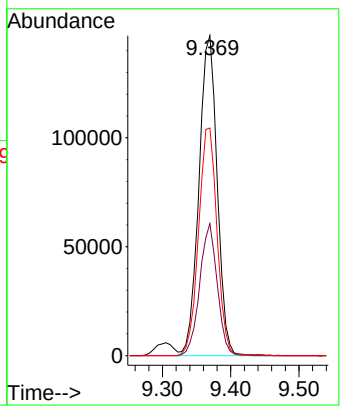

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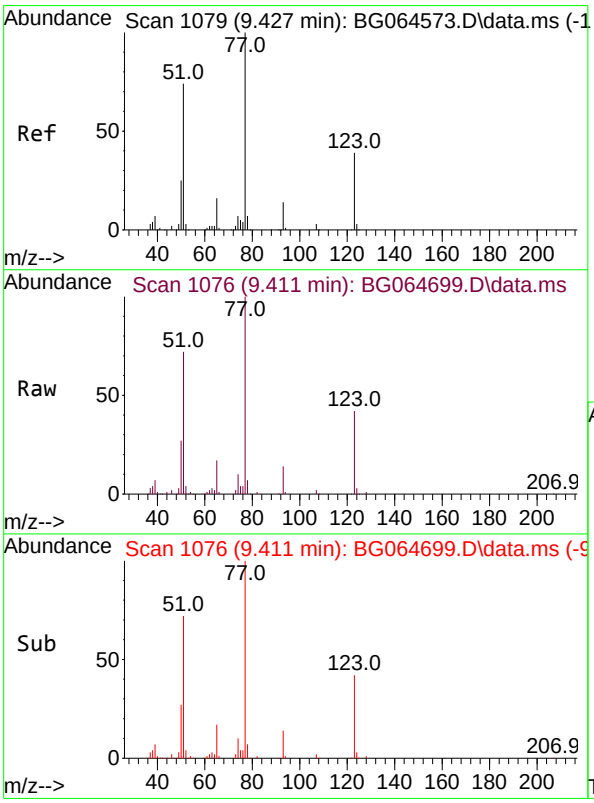
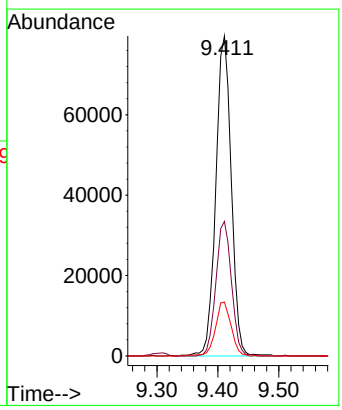
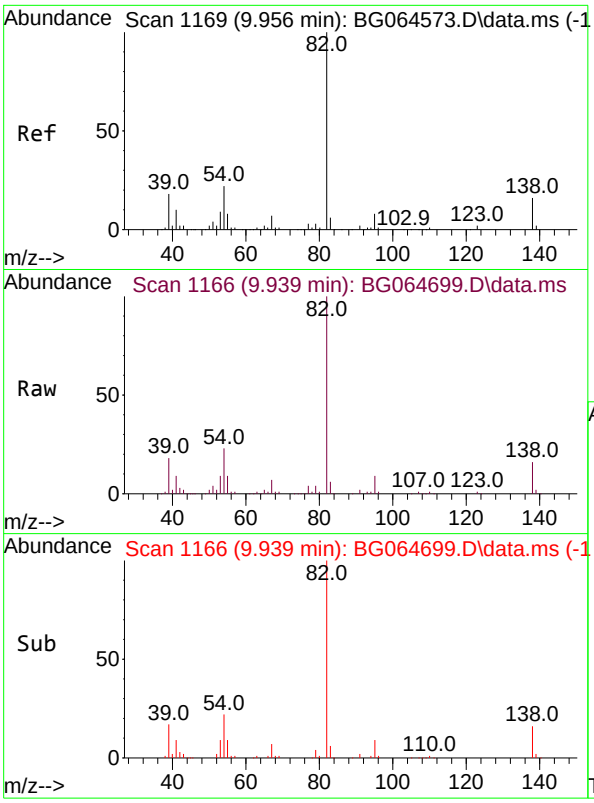


#24
Nitrobenzene
Concen: 47.366 ng
RT: 9.411 min Scan# 1076
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 77 Resp: 140436

Ion	Ratio	Lower	Upper
77	100		
123	42.0	31.0	46.6
65	16.8	12.7	19.1





#25
Isophorone
Concen: 41.196 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 82 Resp: 269466

Ion	Ratio	Lower	Upper
82	100		
95	8.9	6.1	9.1
138	15.6	13.0	19.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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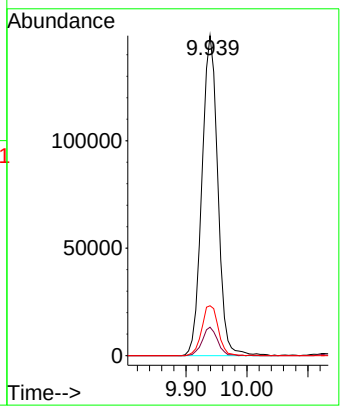

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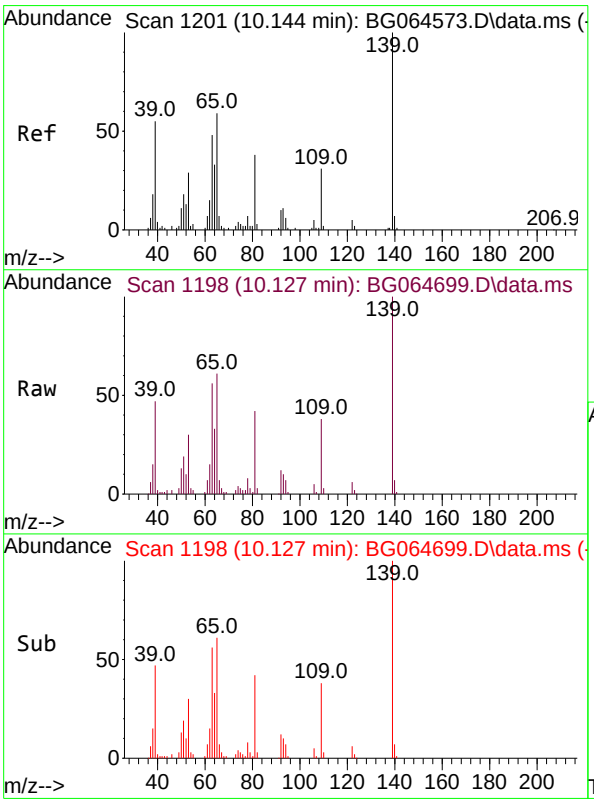
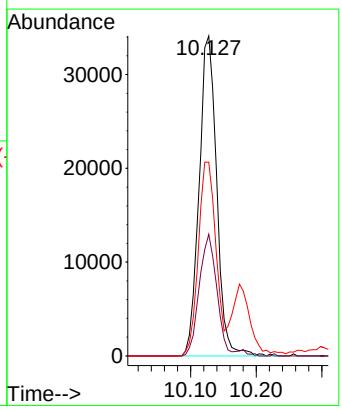
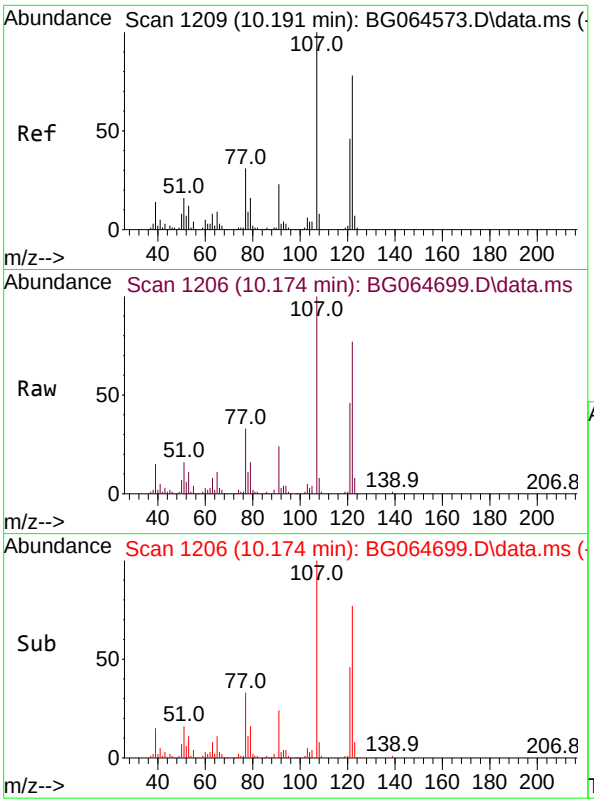


#26
2-Nitrophenol
Concen: 54.813 ng
RT: 10.127 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:139 Resp: 63249

Ion	Ratio	Lower	Upper
139	100		
109	38.0	24.6	37.0#
65	60.5	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 42.053 ng
RT: 10.174 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:122 Resp: 10232

Ion	Ratio	Lower	Upper
122	100		
107	129.5	103.0	154.4
121	59.5	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
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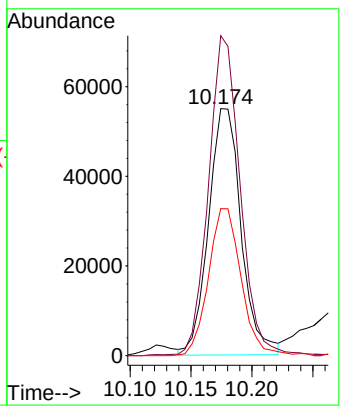

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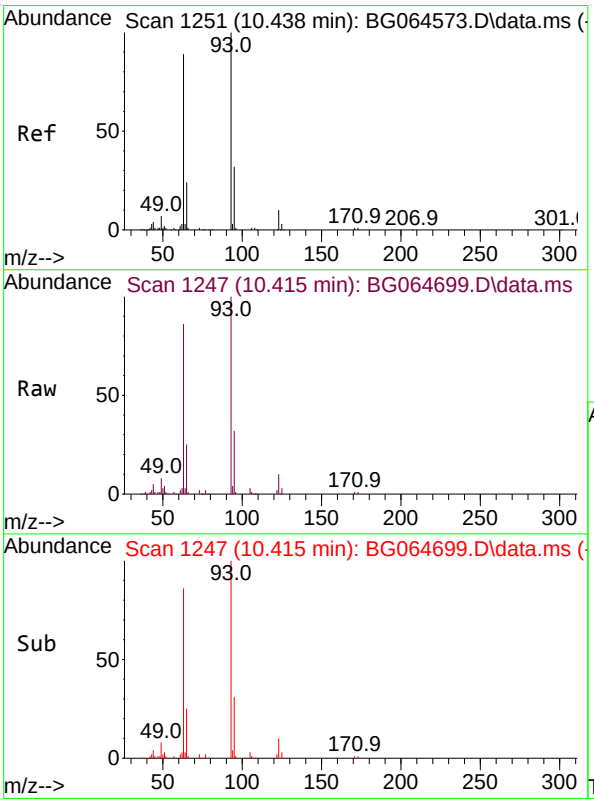
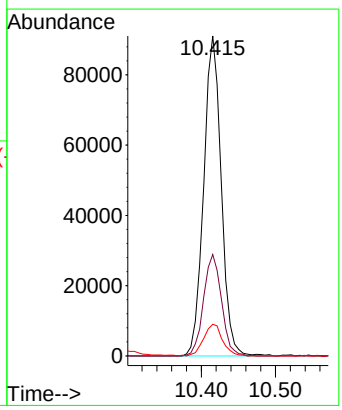
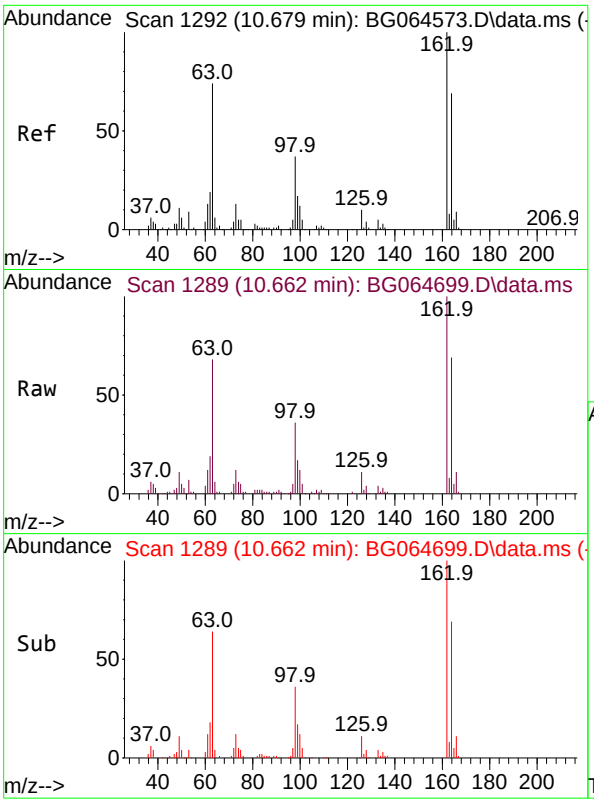


#28
bis(2-Chloroethoxy)methane
Concen: 40.155 ng
RT: 10.415 min Scan# 1247
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 93 Resp: 149551

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.2
123	9.9	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 47.789 ng
RT: 10.662 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:162 Resp: 12513

Ion	Ratio	Lower	Upper
162	100		
164	68.9	48.7	88.7
98	35.9	16.9	56.9

Instrument :
BNA_G
ClientSampleId :
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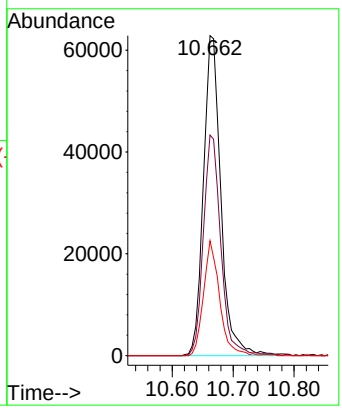

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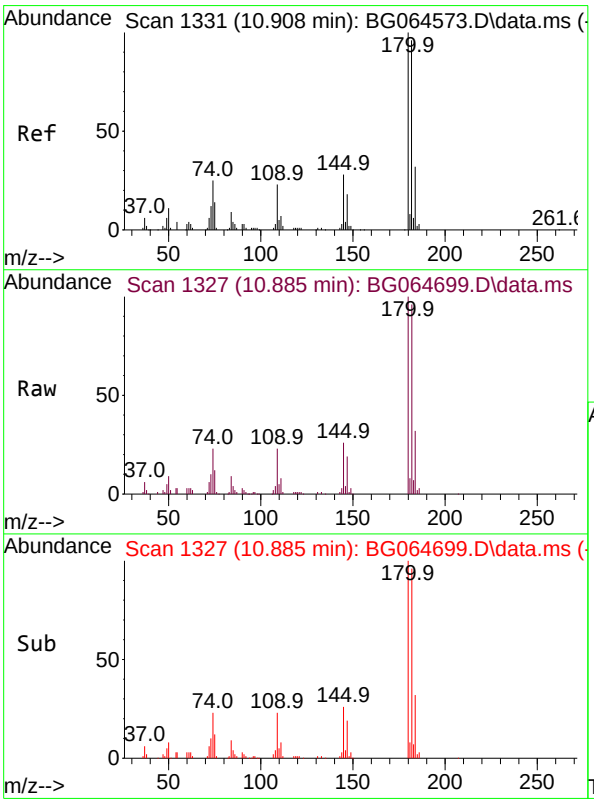
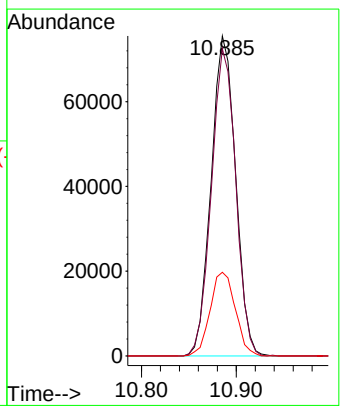
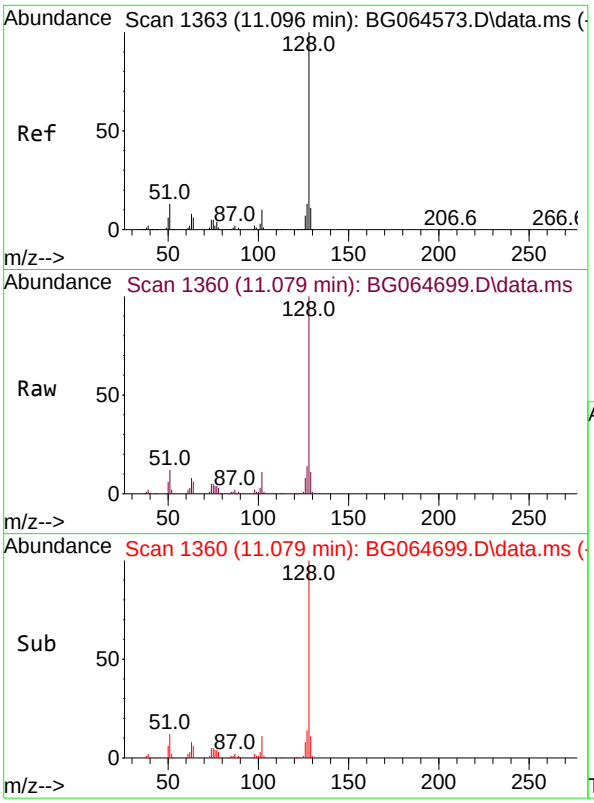


#30
1,2,4-Trichlorobenzene
Concen: 45.434 ng
RT: 10.885 min Scan# 1327
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:180 Resp: 135173

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.9	115.3
145	26.1	22.1	33.1





#31
Naphthalene
Concen: 41.760 ng
RT: 11.079 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:128 Resp: 379089

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.7	10.6	15.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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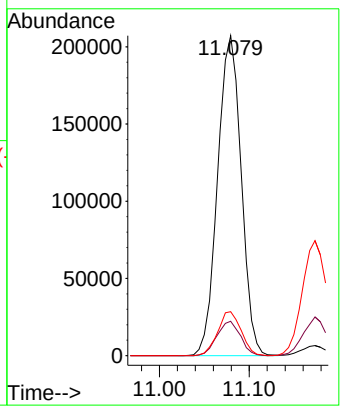

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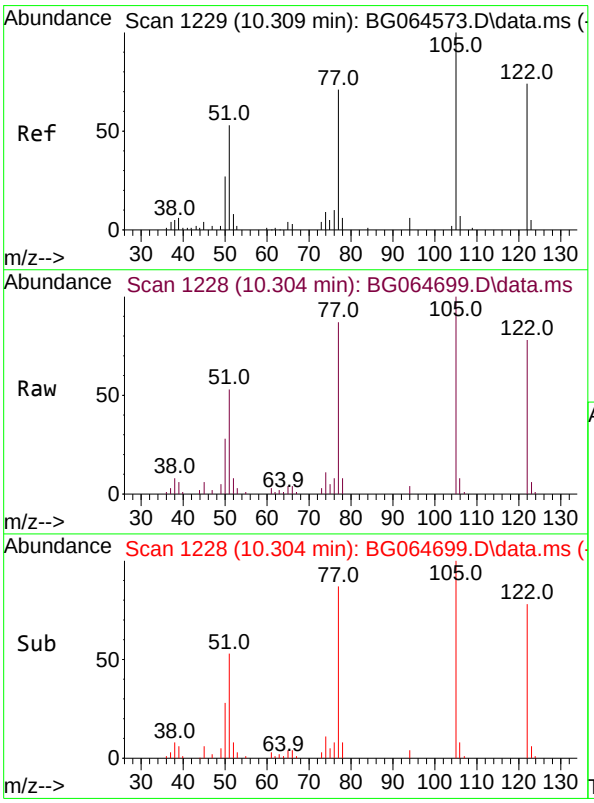
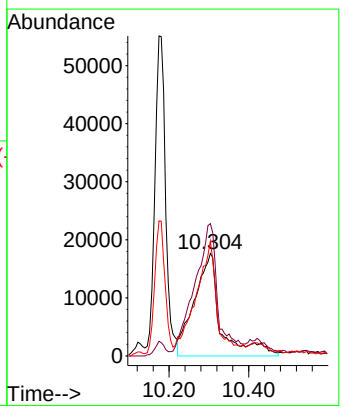
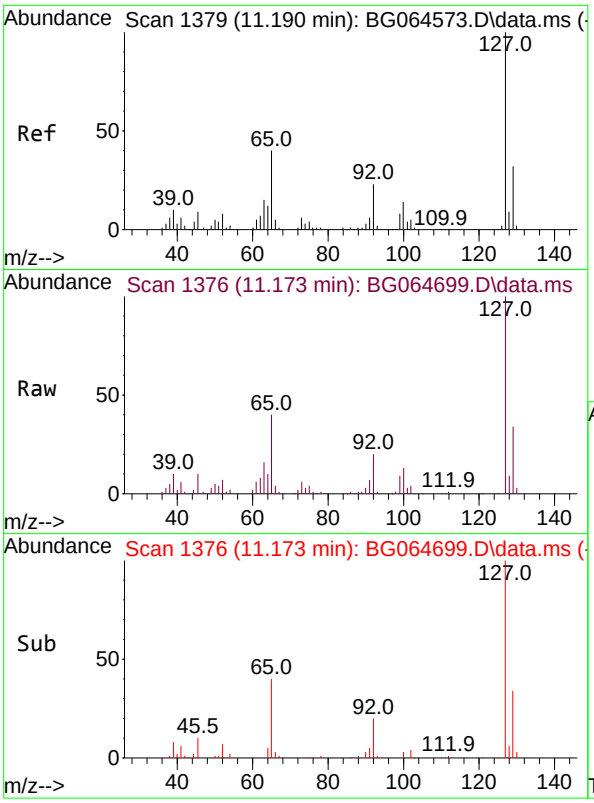


#32
Benzoic acid
Concen: 44.329 ng m
RT: 10.304 min Scan# 1228
Delta R.T. -0.005 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:122 Resp: 81210

Ion	Ratio	Lower	Upper
122	100		
105	129.0	104.2	144.2
77	112.0	70.2	110.2#

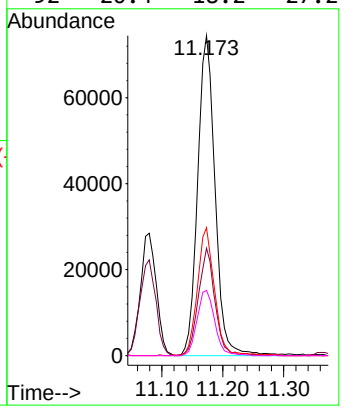




#33
4-Chloroaniline
Concen: 41.923 ng
RT: 11.173 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:127 Resp: 14792

Ion	Ratio	Lower	Upper
127	100		
129	33.6	25.5	38.3
65	40.0	32.2	48.4
92	20.4	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
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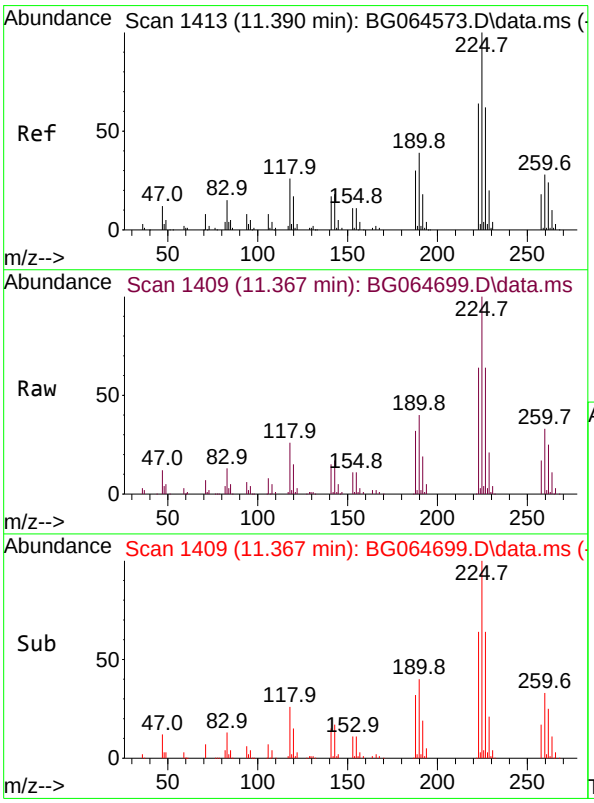
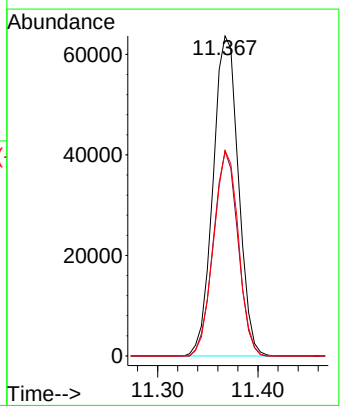
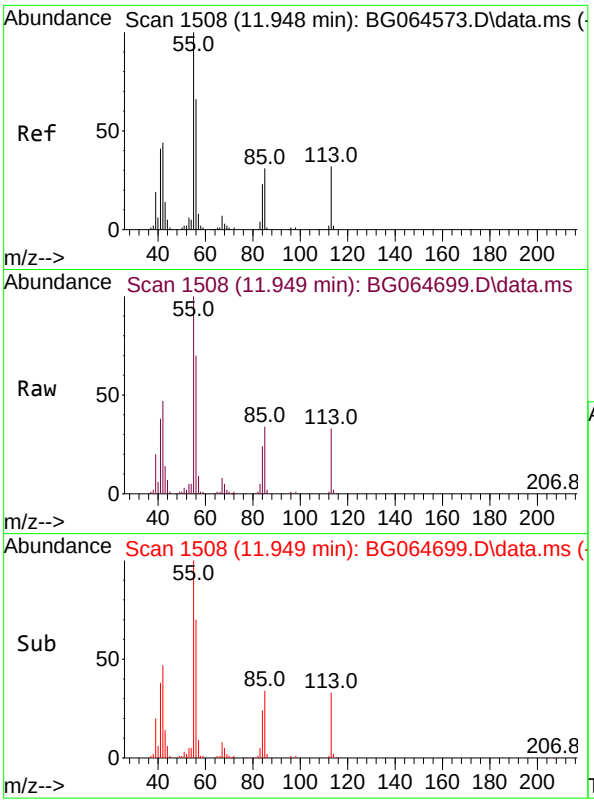


#34
Hexachlorobutadiene
Concen: 48.092 ng
RT: 11.367 min Scan# 1409
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:225 Resp: 111897

Ion	Ratio	Lower	Upper
225	100		
223	61.3	48.8	73.2
227	61.5	49.5	74.3





#35
Caprolactam
Concen: 39.329 ng
RT: 11.949 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:113 Resp: 39498

Ion	Ratio	Lower	Upper
113	100		
55	307.6	290.1	330.1
56	216.4	183.8	223.8

Instrument :
BNA_G
ClientSampleId :
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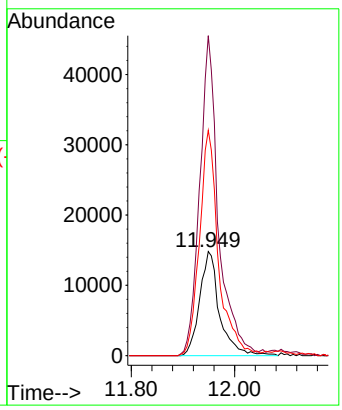

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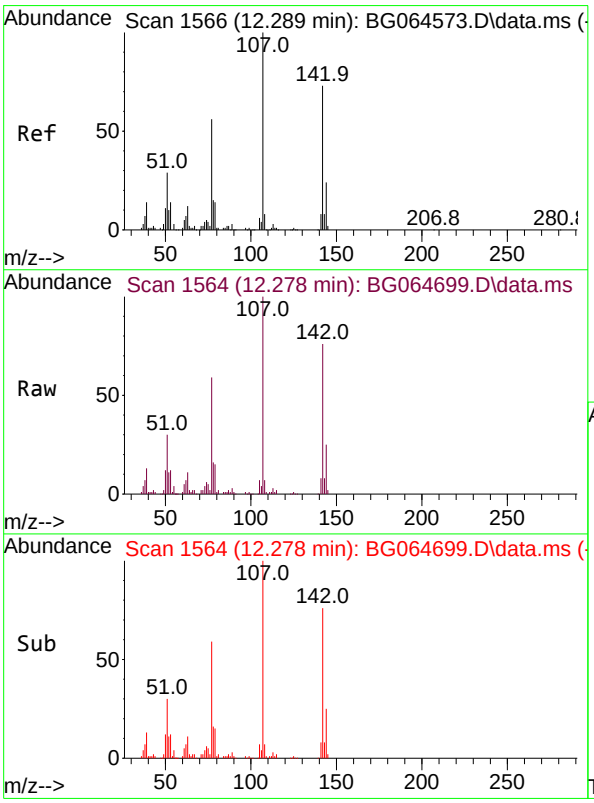
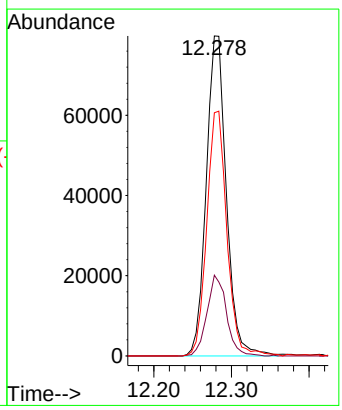
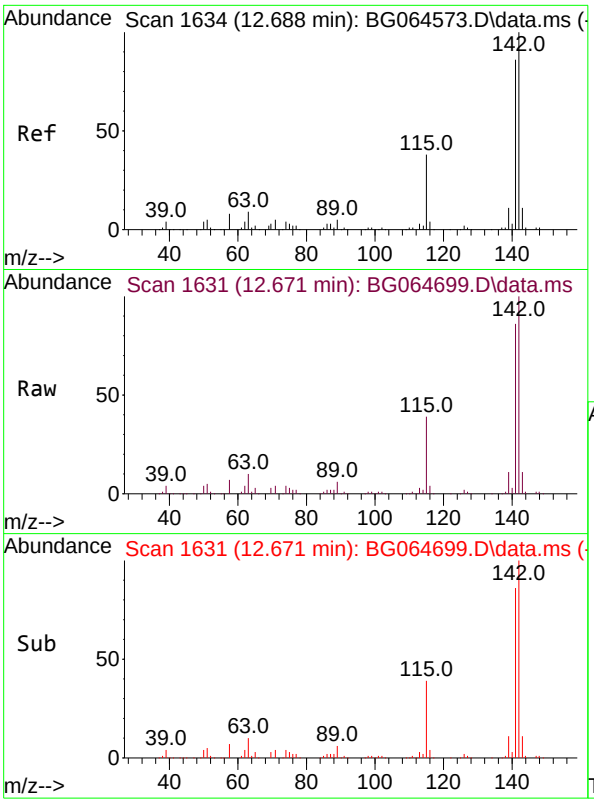


#36
4-Chloro-3-methylphenol
Concen: 45.611 ng
RT: 12.278 min Scan# 1564
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:107 Resp: 143560

Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.1	28.7
142	76.0	58.6	87.8





#37
2-Methylnaphthalene
Concen: 43.733 ng
RT: 12.671 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:142 Resp: 29147

Ion	Ratio	Lower	Upper
142	100		
141	85.9	68.9	103.3
115	39.0	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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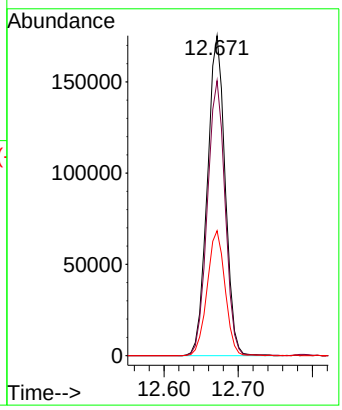

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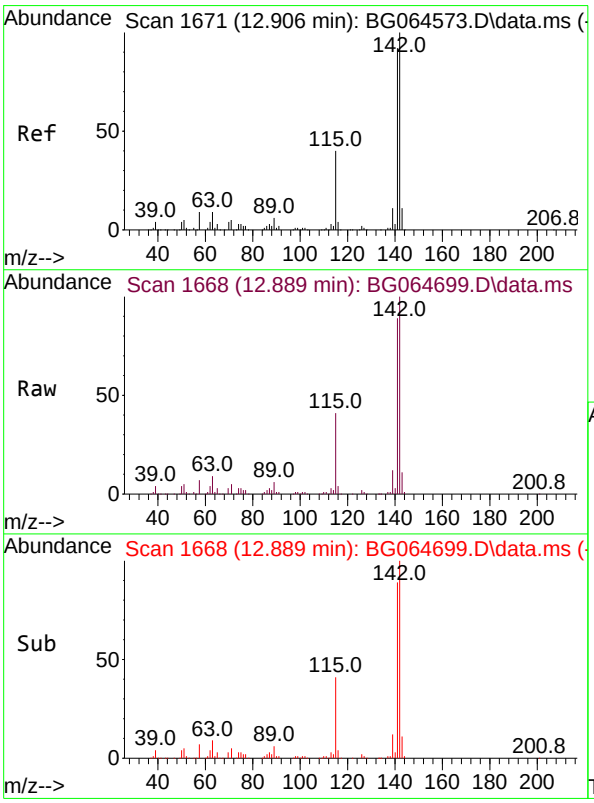
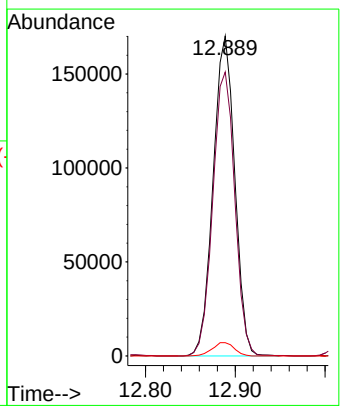
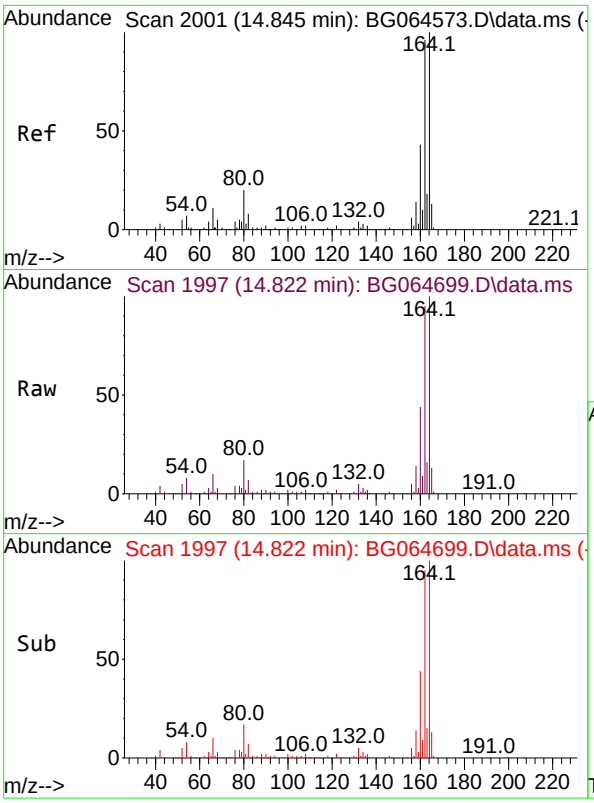


#38
1-Methylnaphthalene
Concen: 43.463 ng
RT: 12.889 min Scan# 1668
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:142 Resp: 286763

Ion	Ratio	Lower	Upper
142	100		
141	88.7	73.3	109.9
116	4.1	3.1	4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.822 min Scan# 1
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:164 Resp: 14209

Ion	Ratio	Lower	Upper
164	100		
162	95.3	77.0	115.6
160	43.9	34.4	51.6

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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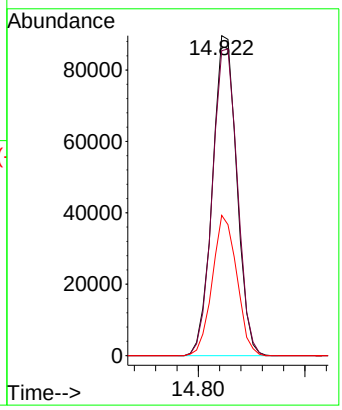

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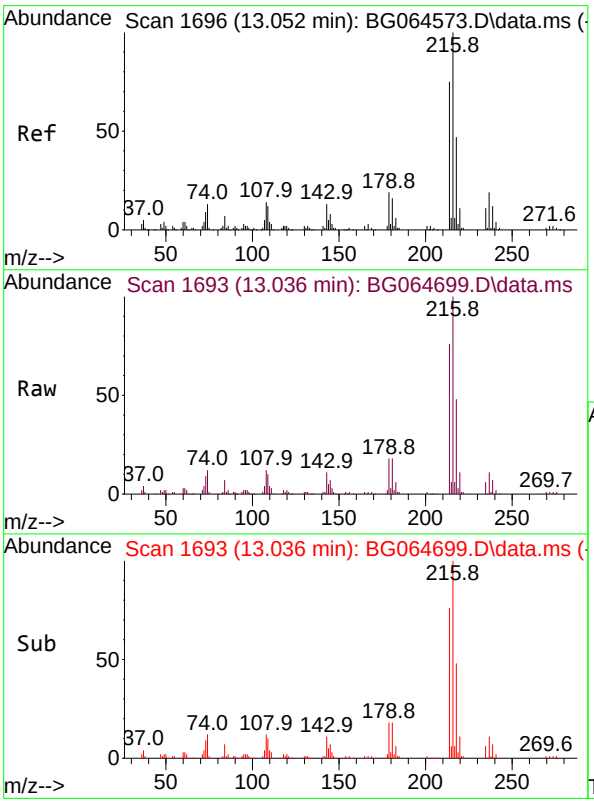
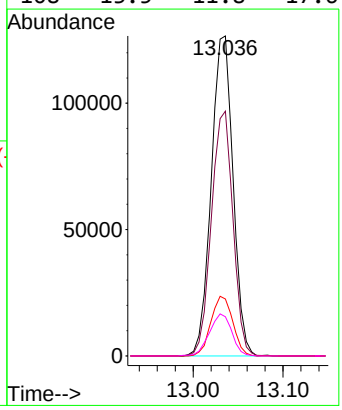
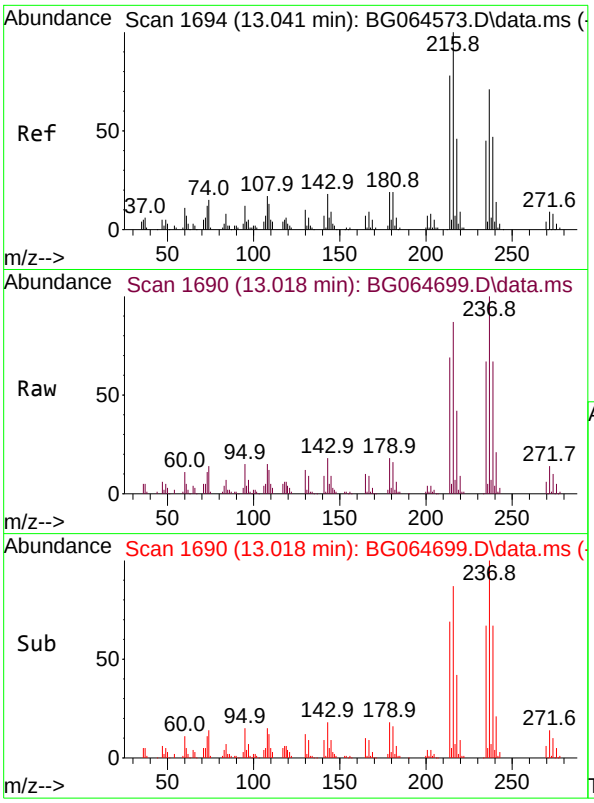


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.829 ng
RT: 13.036 min Scan# 1693
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:216 Resp: 213779

Ion	Ratio	Lower	Upper
216	100		
214	75.7	61.4	92.2
179	18.7	15.4	23.0
108	13.5	11.8	17.6





#41
Hexachlorocyclopentadiene
Concen: 46.529 ng
RT: 13.018 min Scan# 1
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:237 Resp: 9987

Ion	Ratio	Lower	Upper
237	100		
235	66.7	44.1	84.1
272	13.7	0.0	32.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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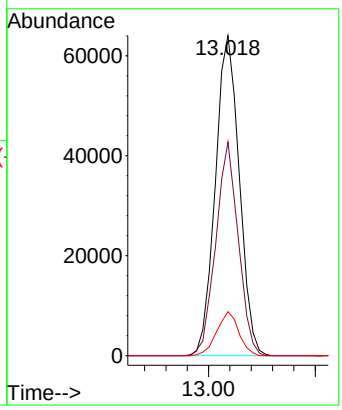

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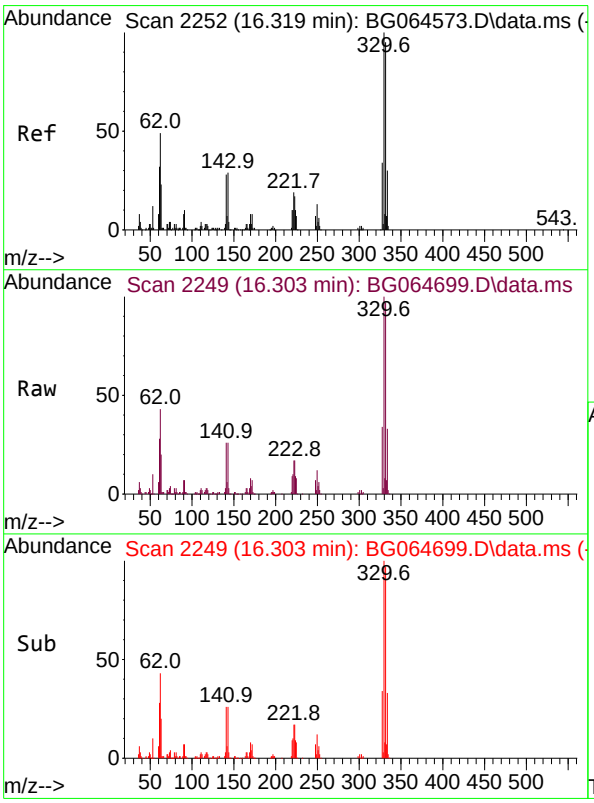
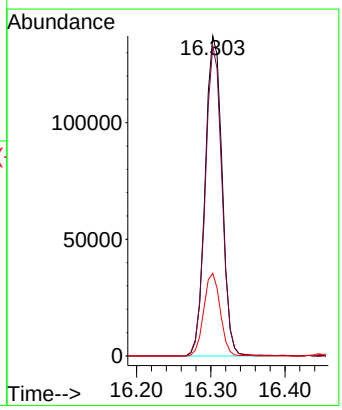
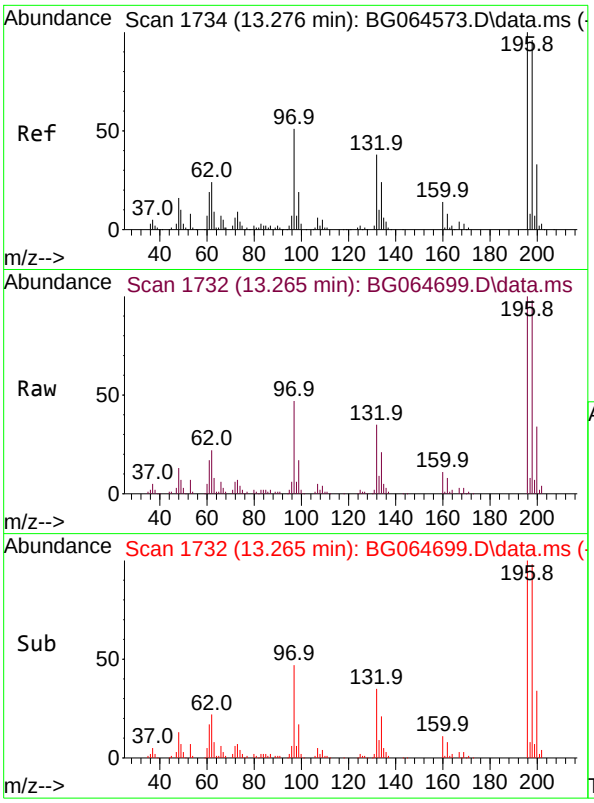


#42
2,4,6-Tribromophenol
Concen: 105.583 ng
RT: 16.303 min Scan# 2249
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:330 Resp: 216535

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.0	117.0
141	25.1	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 48.322 ng
RT: 13.265 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:196 Resp: 13181

Ion	Ratio	Lower	Upper
196	100		
198	98.4	76.6	115.0
200	33.8	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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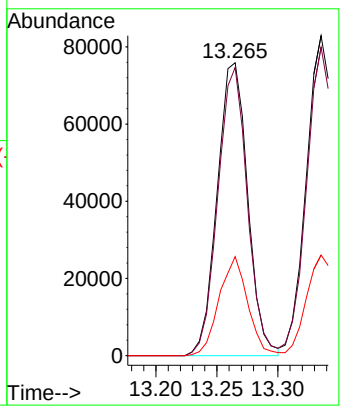

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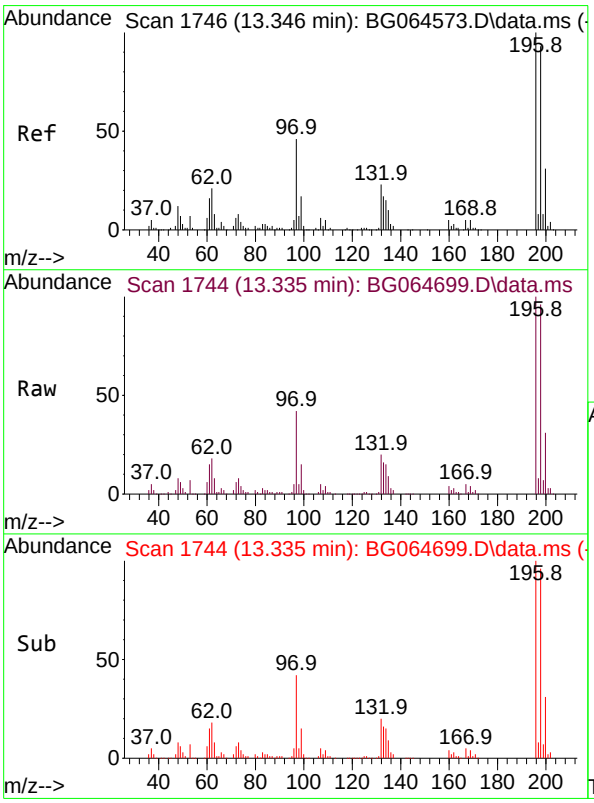
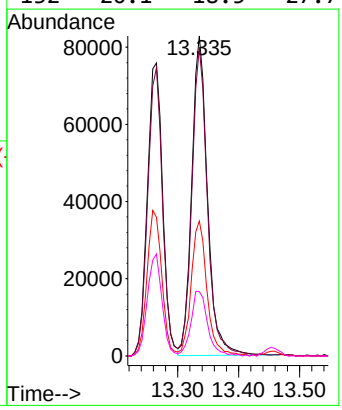
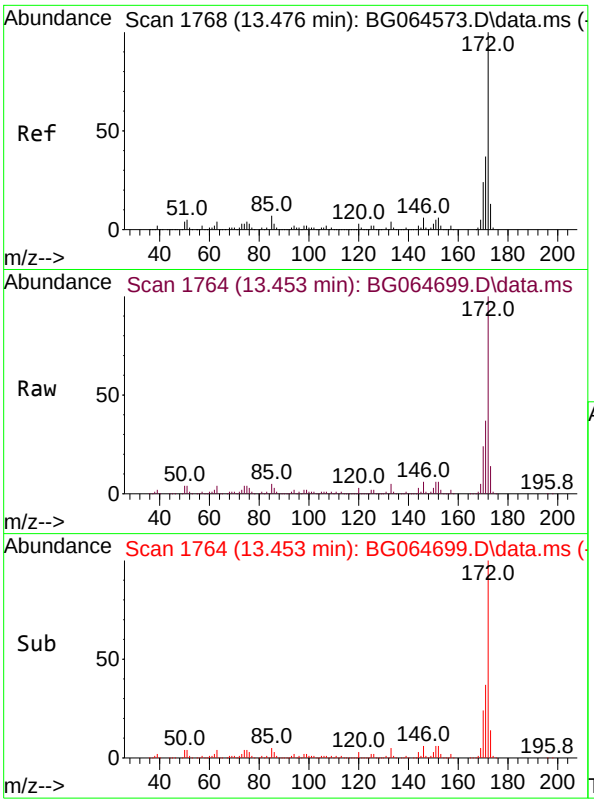


#44
2,4,5-Trichlorophenol
Concen: 47.123 ng
RT: 13.335 min Scan# 1744
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:196 Resp: 148335

Ion	Ratio	Lower	Upper
196	100		
198	96.4	74.2	111.4
97	42.1	37.0	55.6
132	20.1	18.5	27.7





#45
2-Fluorobiphenyl
Concen: 84.114 ng
RT: 13.453 min Scan# 1
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:172 Resp: 788528

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.4	19.1	28.7

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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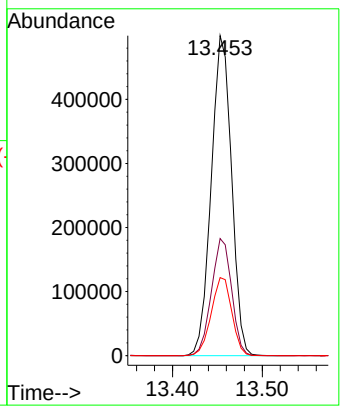

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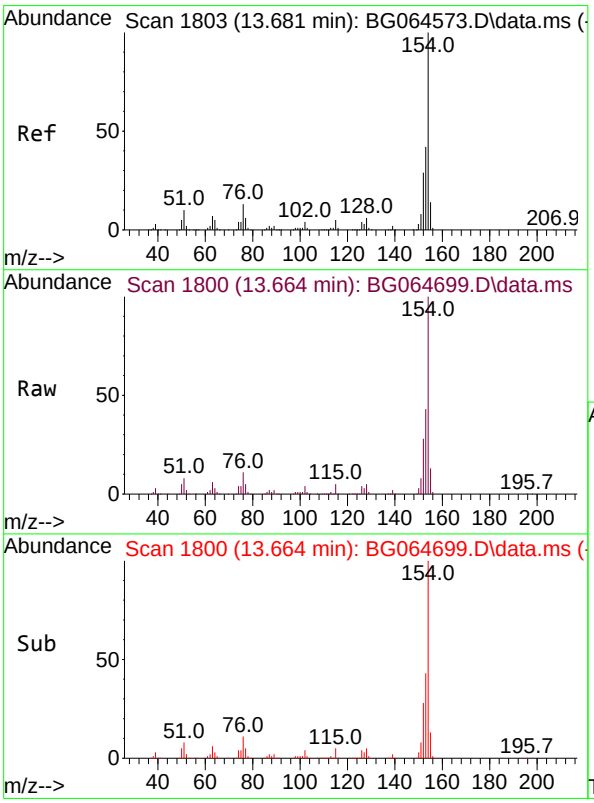
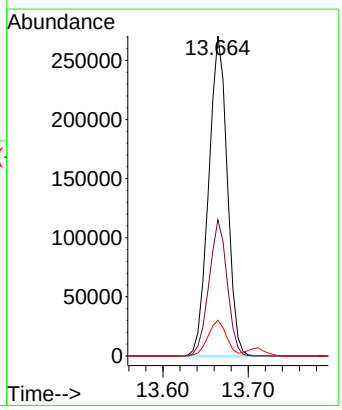
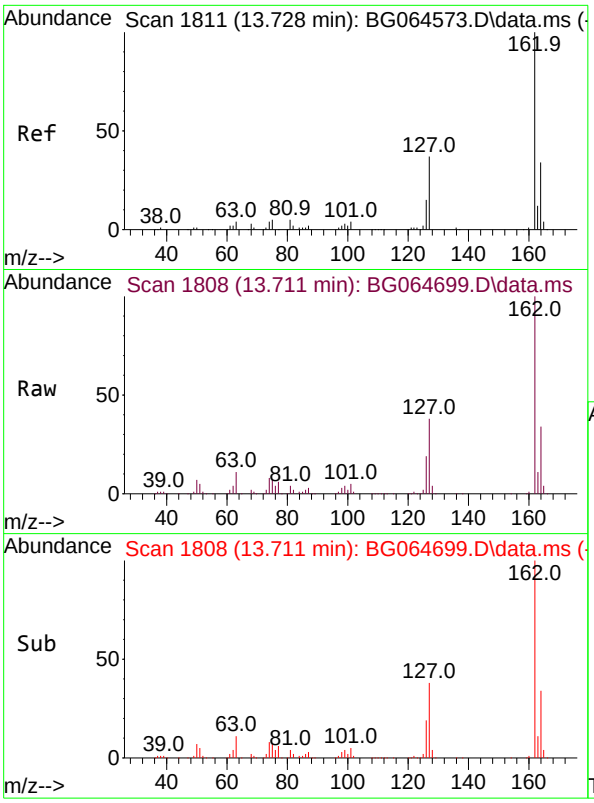


#46
1,1'-Biphenyl
Concen: 40.483 ng
RT: 13.664 min Scan# 1800
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:154 Resp: 408958

Ion	Ratio	Lower	Upper
154	100		
153	42.5	22.4	62.4
76	11.1	0.0	33.5





#47
2-Chloronaphthalene
Concen: 42.060 ng
RT: 13.711 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:162 Resp: 32071

Ion	Ratio	Lower	Upper
162	100		
127	38.0	32.2	48.2
164	34.1	27.5	41.3

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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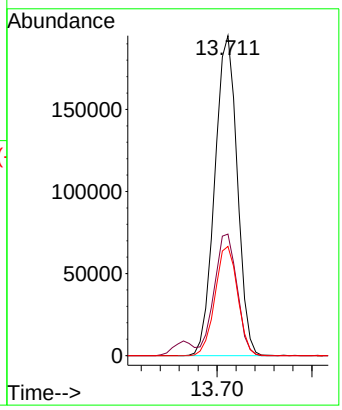

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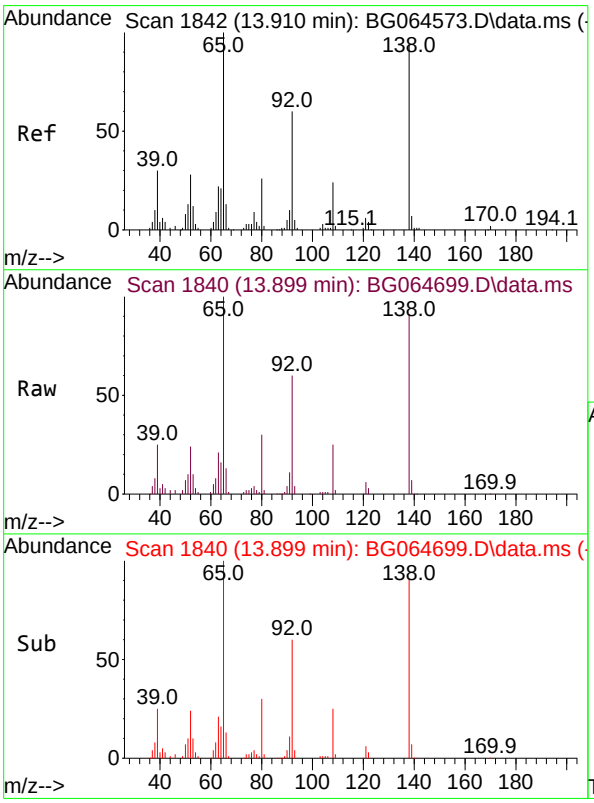
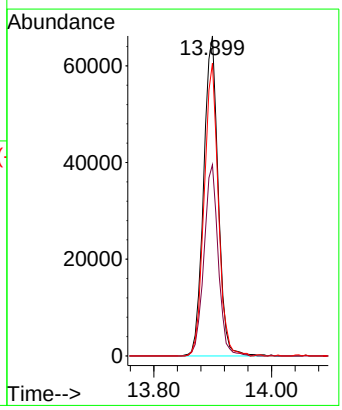
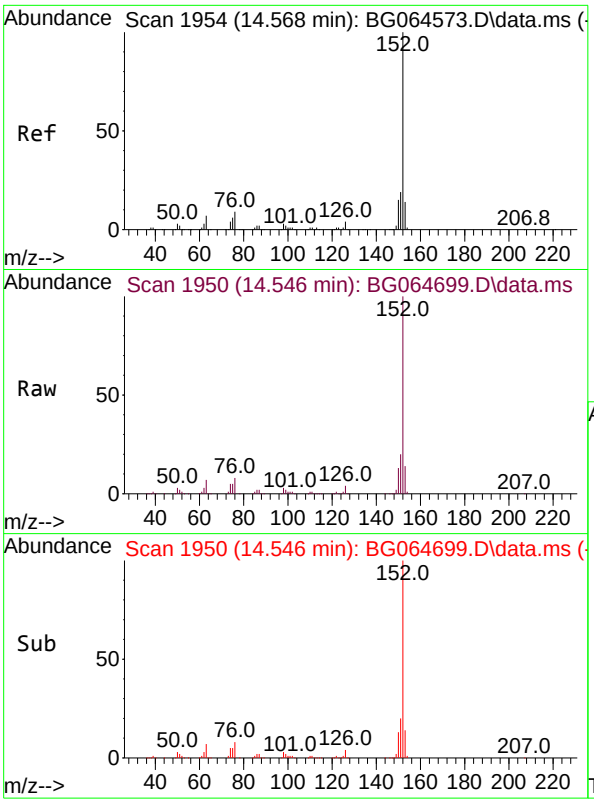


#48
2-Nitroaniline
Concen: 44.598 ng
RT: 13.899 min Scan# 1840
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 65 Resp: 113536

Ion	Ratio	Lower	Upper
65	100		
92	59.7	48.3	72.5
138	91.5	74.9	112.3





#49
Acenaphthylene
Concen: 40.665 ng
RT: 14.546 min Scan# 19
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:152 Resp: 489100

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.4	23.2
153	13.6	11.0	16.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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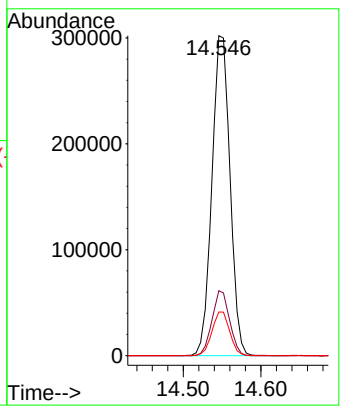

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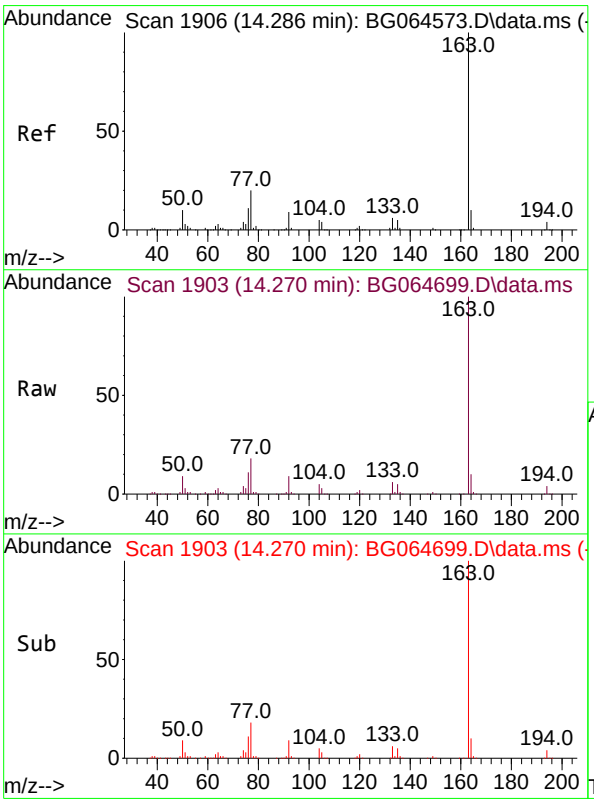
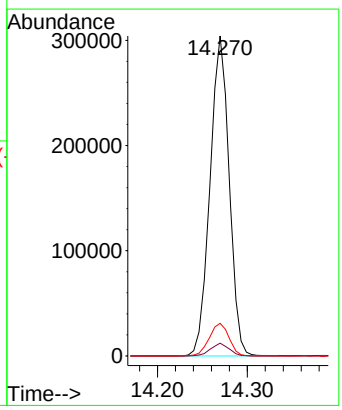
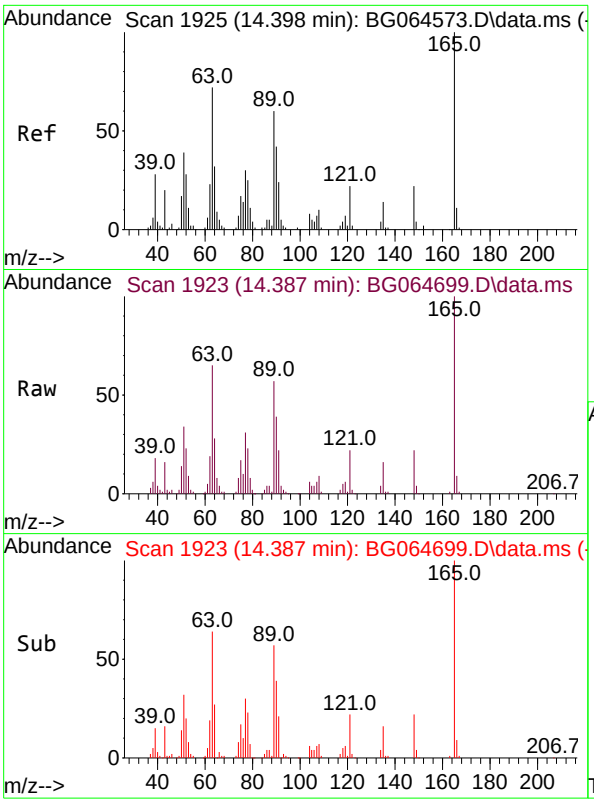


#50
Dimethylphthalate
Concen: 41.546 ng
RT: 14.270 min Scan# 1903
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:163 Resp: 451727

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.8	4.2
164	10.2	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 48.888 ng
RT: 14.387 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:165 Resp: 8782

Ion	Ratio	Lower	Upper
165	100		
63	65.3	57.4	86.0
89	57.4	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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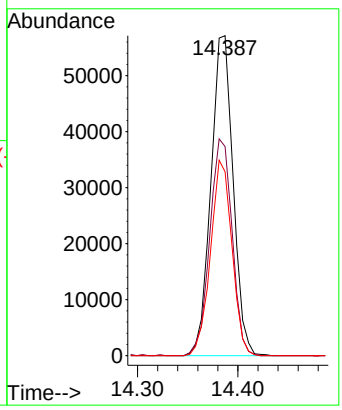

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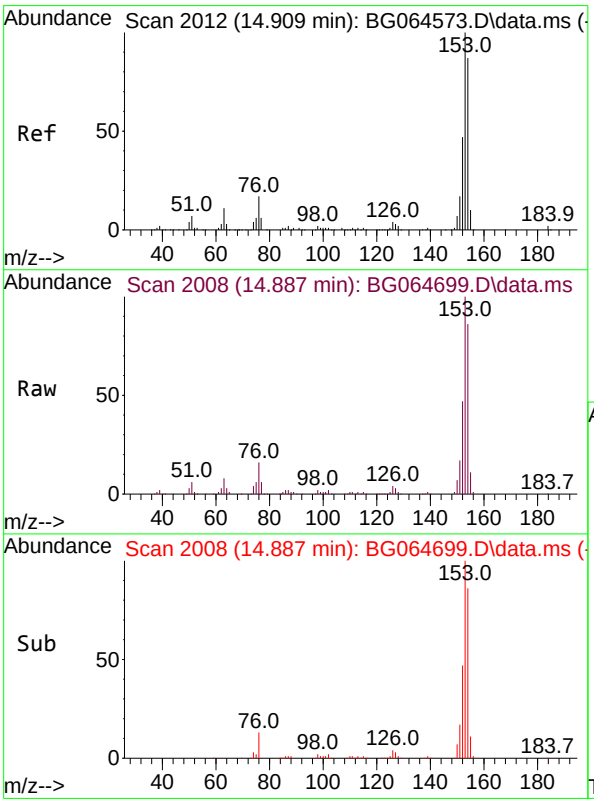
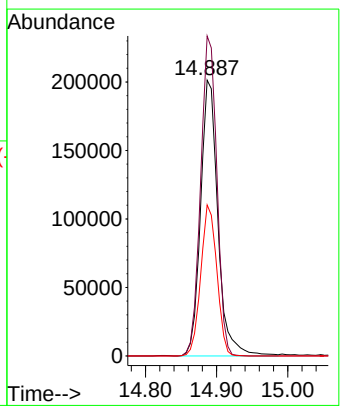
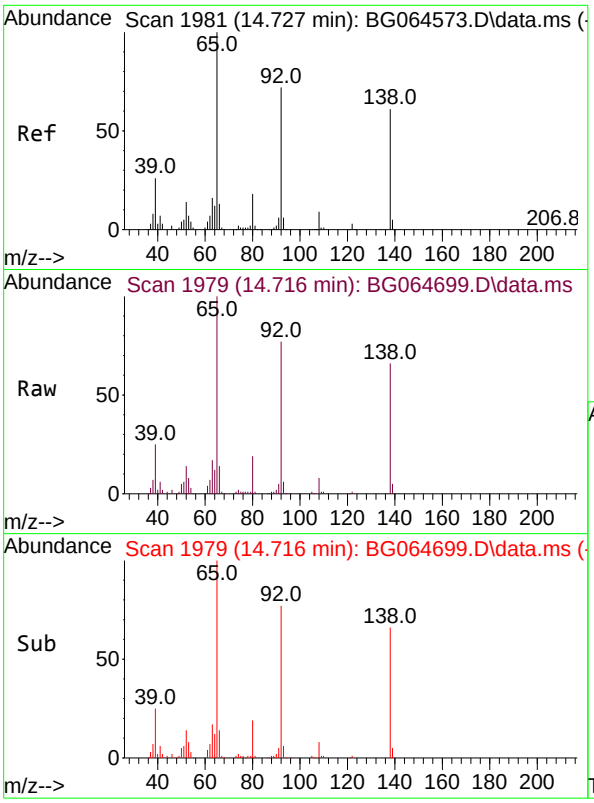


#52
Acenaphthene
Concen: 41.360 ng
RT: 14.887 min Scan# 2008
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:154 Resp: 339870

Ion	Ratio	Lower	Upper
154	100		
153	116.1	92.2	138.4
152	54.8	43.2	64.8





#53
3-Nitroaniline
Concen: 47.900 ng
RT: 14.716 min Scan# 19
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:138 Resp: 8950

Ion	Ratio	Lower	Upper
138	100		
108	11.7	11.4	17.0
92	117.3	95.3	142.9

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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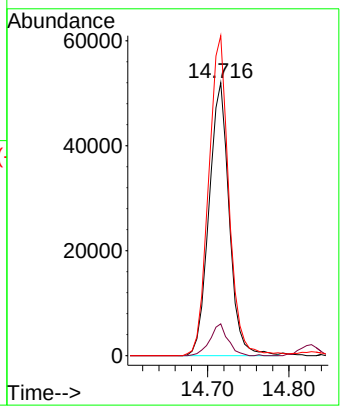

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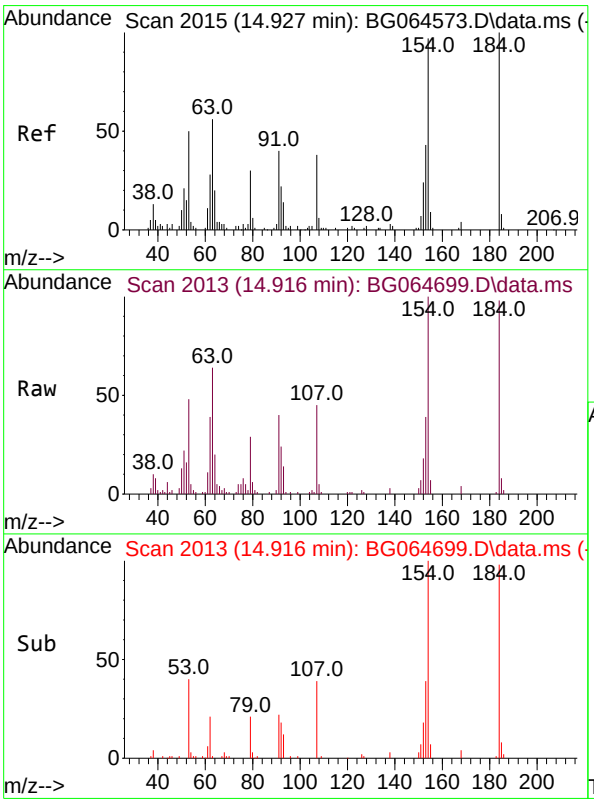
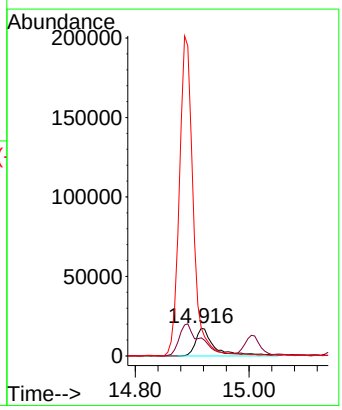
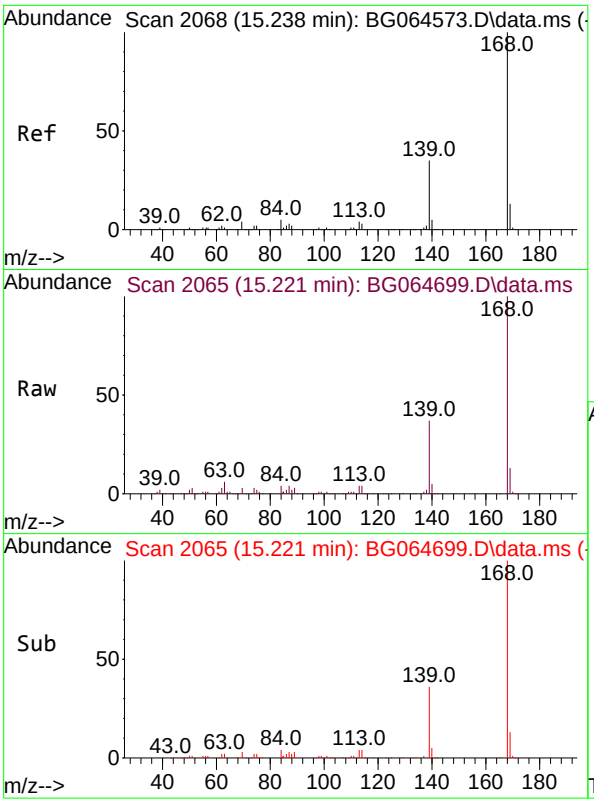


#54
2,4-Dinitrophenol
Concen: 39.342 ng
RT: 14.916 min Scan# 2013
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:184 Resp: 39960

Ion	Ratio	Lower	Upper
184	100		
63	65.4	56.6	85.0
154	101.7	158.6	238.0#





#55
Dibenzofuran
Concen: 41.026 ng
RT: 15.221 min Scan# 2(
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:168 Resp: 54503

Ion	Ratio	Lower	Upper
168	100		
139	37.5	27.8	41.8
169	13.2	10.3	15.5

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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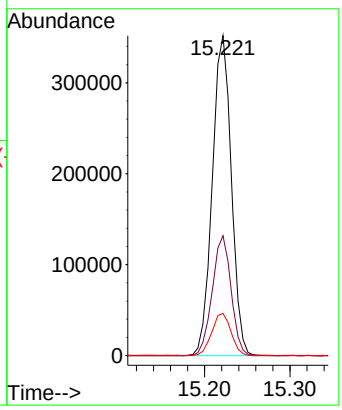

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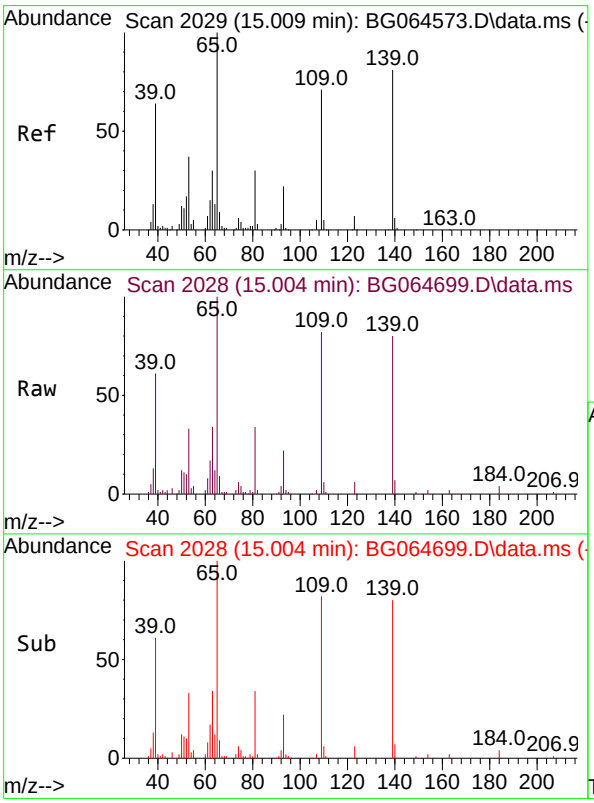
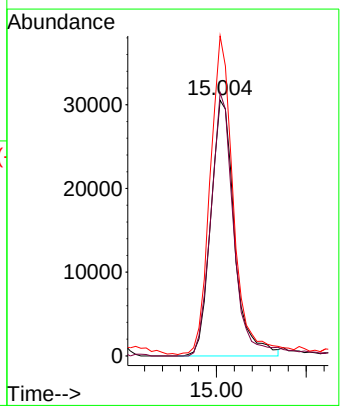
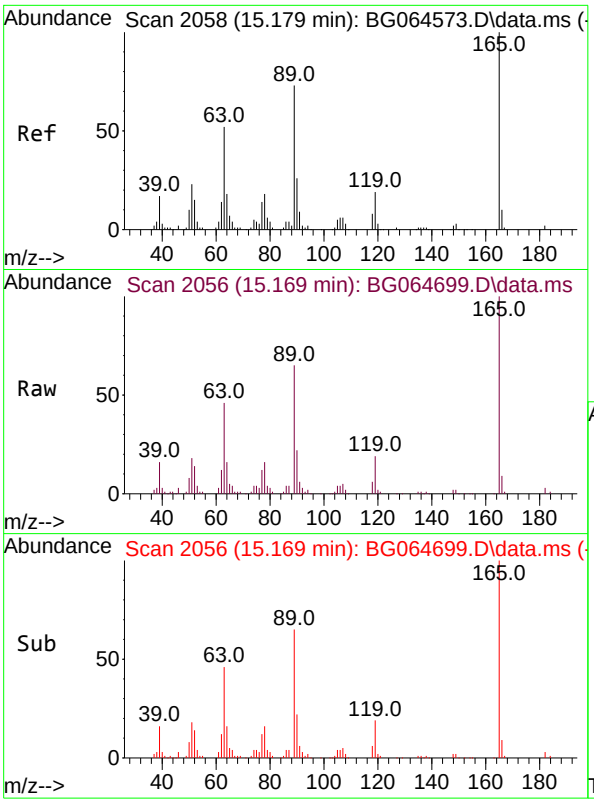


#56
4-Nitrophenol
Concen: 32.212 ng
RT: 15.004 min Scan# 2028
Delta R.T. -0.005 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:139 Resp: 55805

Ion	Ratio	Lower	Upper
139	100		
109	102.9	67.8	107.8
65	125.2	103.7	143.7





#57
2,4-Dinitrotoluene
Concen: 48.300 ng
RT: 15.169 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:165 Resp: 13403

Ion	Ratio	Lower	Upper
165	100		
63	45.7	41.8	62.8
89	64.7	58.1	87.1
182	2.6	1.4	2.0#

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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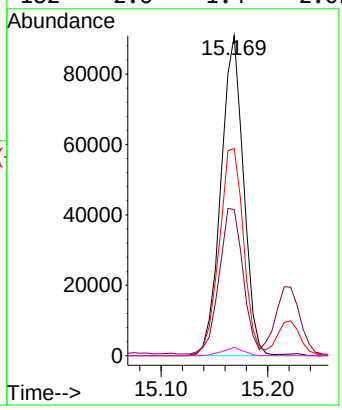

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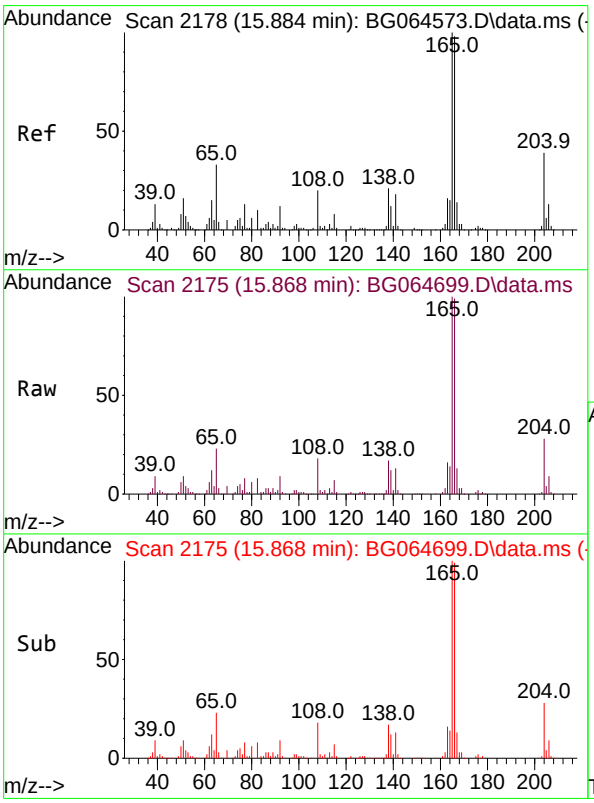
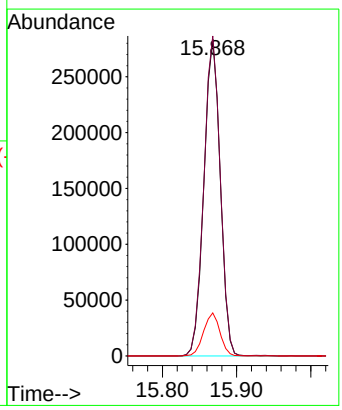
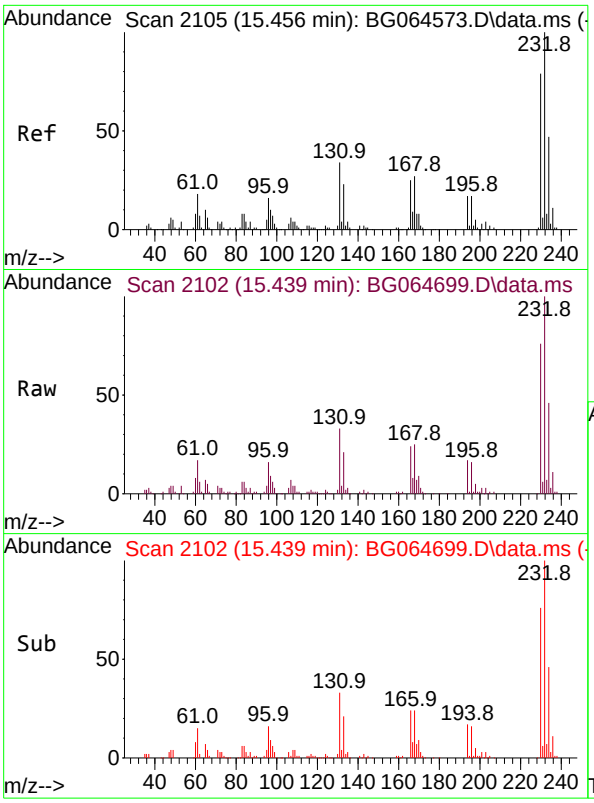


#58
Fluorene
Concen: 41.763 ng
RT: 15.868 min Scan# 2175
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:166 Resp: 433299

Ion	Ratio	Lower	Upper
166	100		
165	101.0	81.5	122.3
167	13.6	11.4	17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.891 ng
RT: 15.439 min Scan# 2
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:232 Resp: 147168

Ion	Ratio	Lower	Upper
232	100		
131	32.5	26.7	40.1
130	1.8	1.6	2.4
166	24.7	20.5	30.7

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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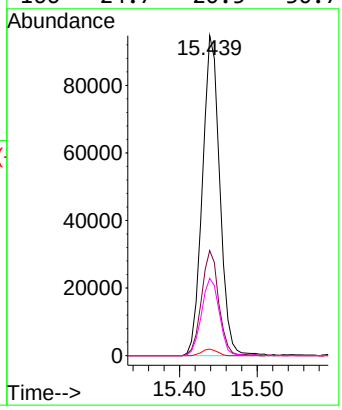

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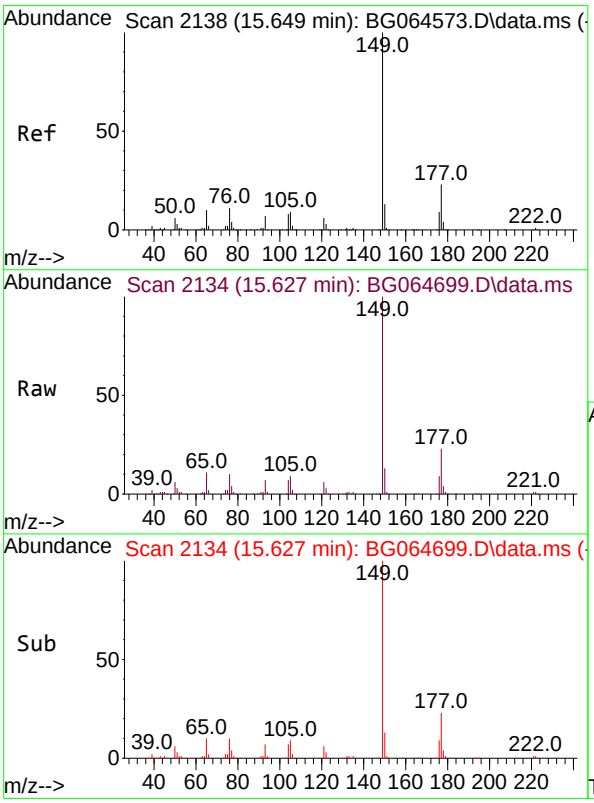
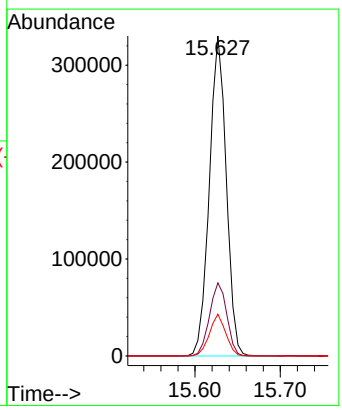
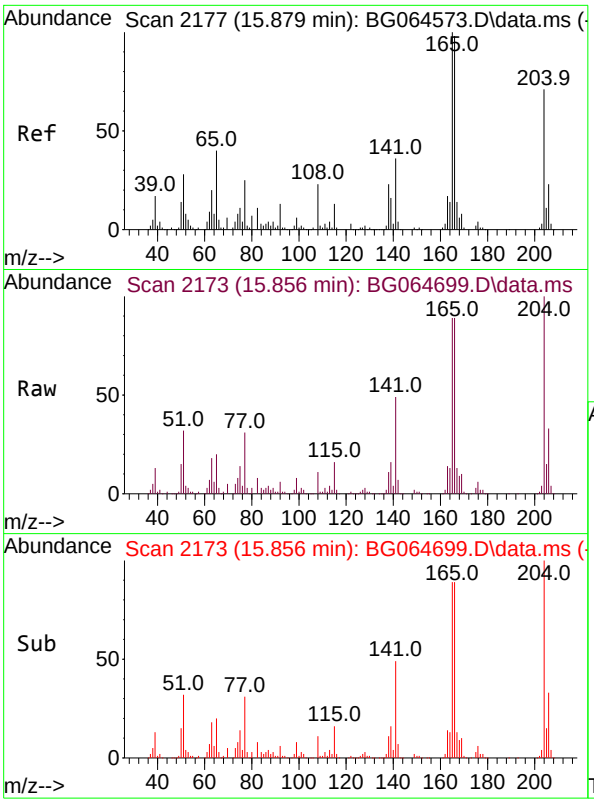


#60
Diethylphthalate
Concen: 40.891 ng
RT: 15.627 min Scan# 2134
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:149 Resp: 453974

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.0	27.0
150	13.0	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 45.067 ng
RT: 15.856 min Scan# 2
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:204 Resp: 262398

Ion	Ratio	Lower	Upper
204	100		
206	33.4	25.6	38.4
141	49.4	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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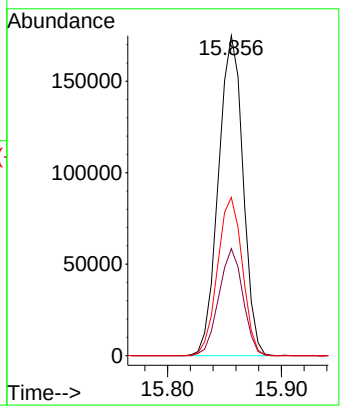

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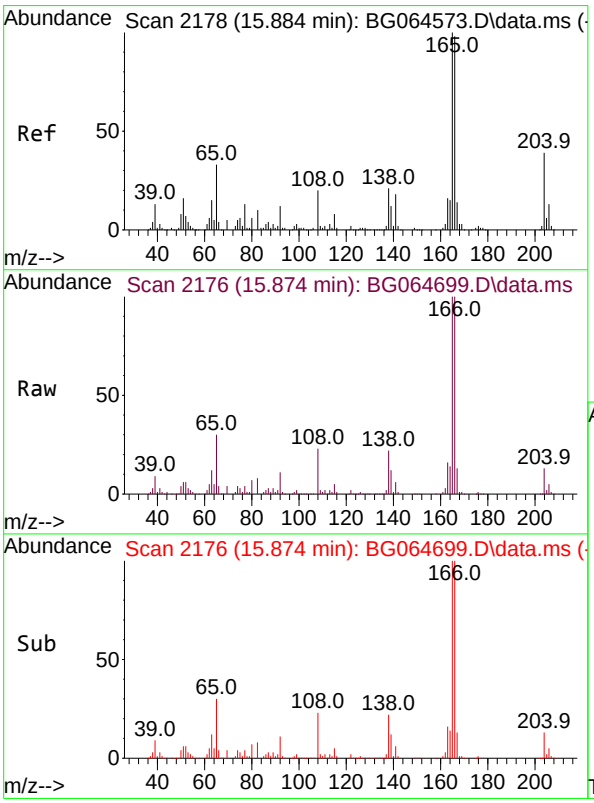
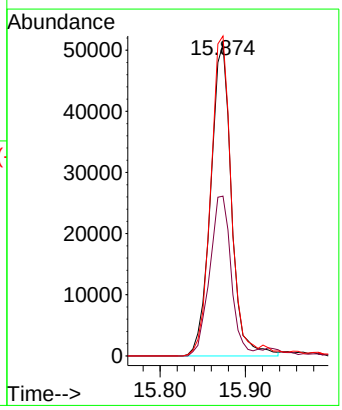
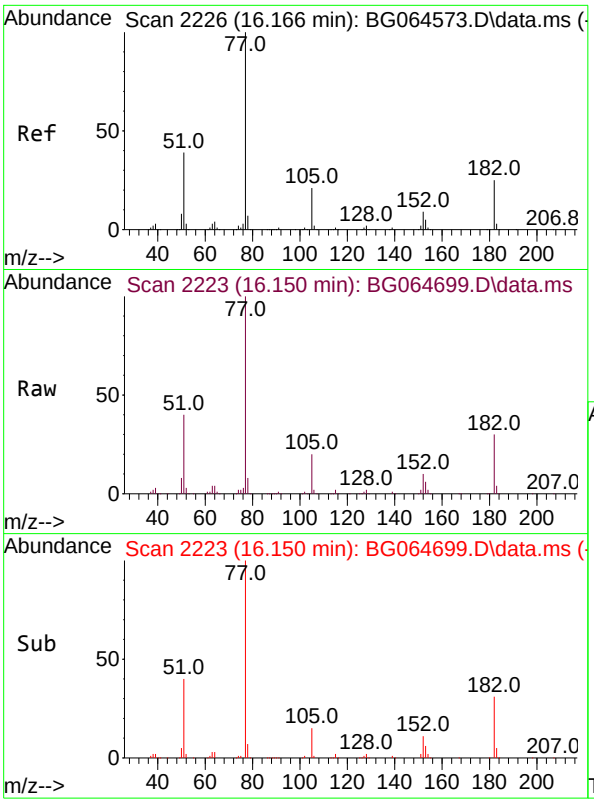


#62
4-Nitroaniline
Concen: 41.545 ng
RT: 15.874 min Scan# 2176
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:138 Resp: 86364

Ion	Ratio	Lower	Upper
138	100		
92	51.3	36.1	76.1
108	102.7	75.6	115.6

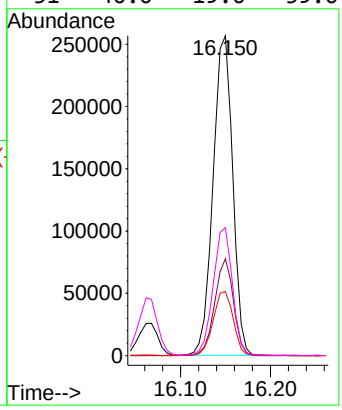




#63
Azobenzene
Concen: 38.259 ng
RT: 16.150 min Scan# 2
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion: 77 Resp: 38972

Ion	Ratio	Lower	Upper
77	100		
182	30.3	4.9	44.9
105	20.0	1.3	41.3
51	40.0	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
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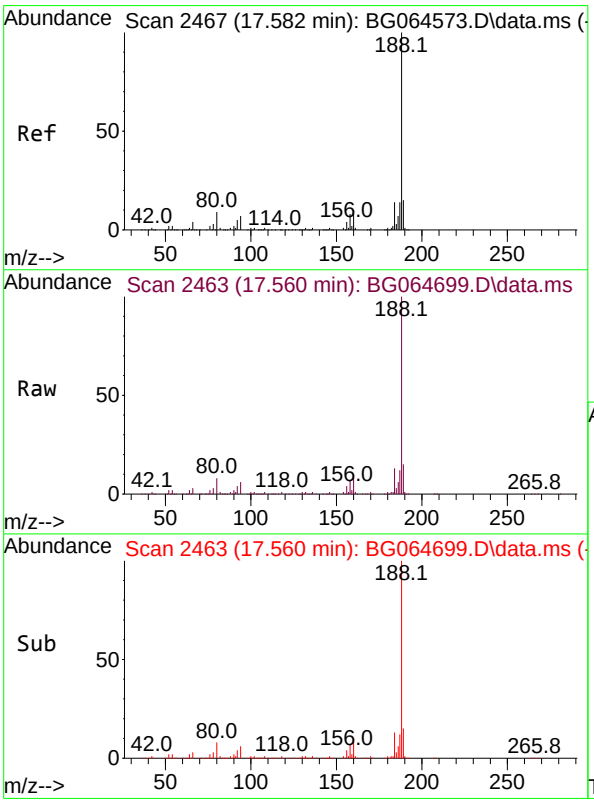
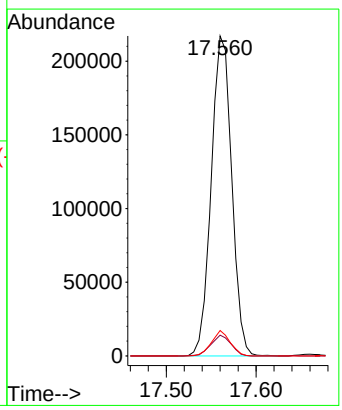
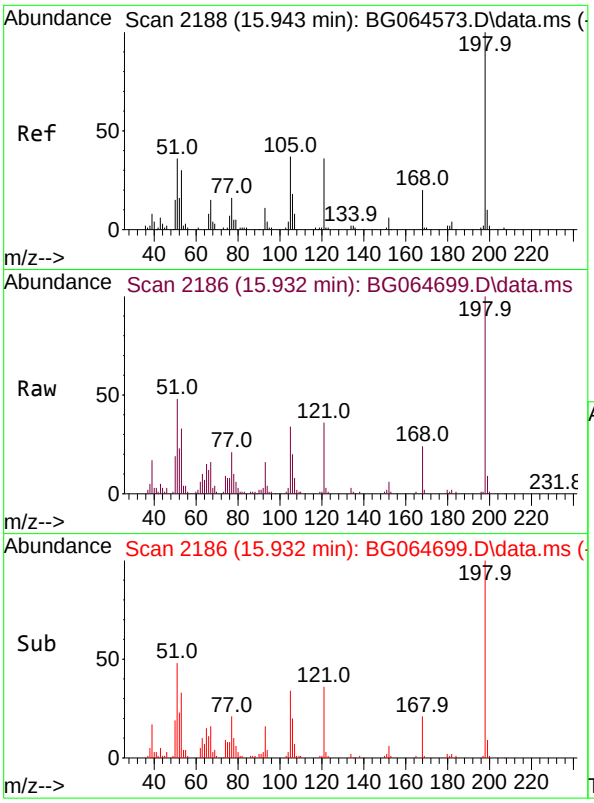


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.560 min Scan# 2463
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:188 Resp: 344911

Ion	Ratio	Lower	Upper
188	100		
94	6.5	5.7	8.5
80	7.9	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 50.354 ng
RT: 15.932 min Scan# 2
Delta R.T. -0.011 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:198 Resp: 76879

Ion	Ratio	Lower	Upper
198	100		
51	48.2	24.7	64.7
105	33.9	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
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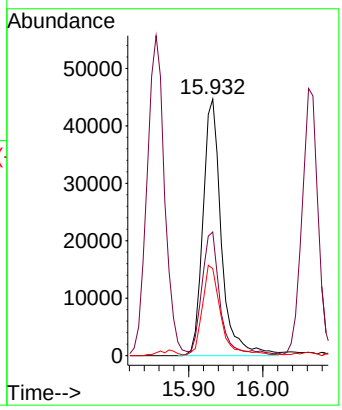

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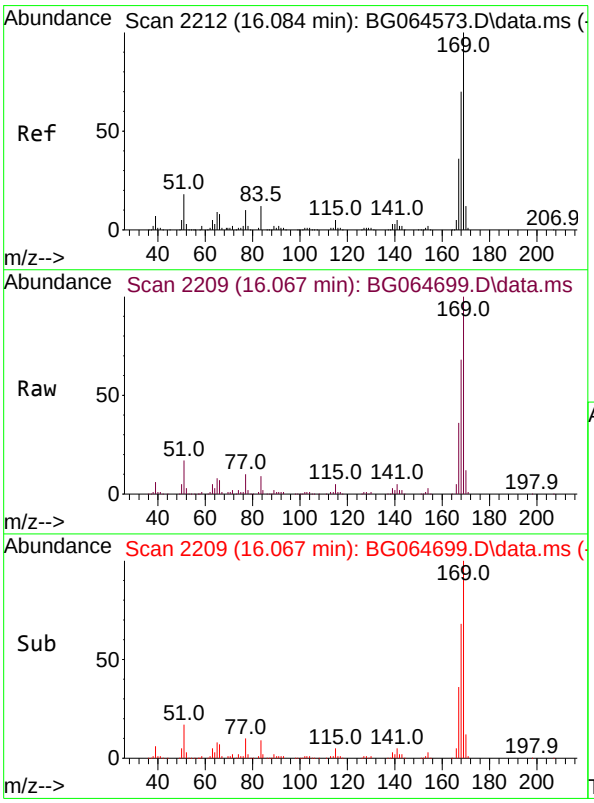
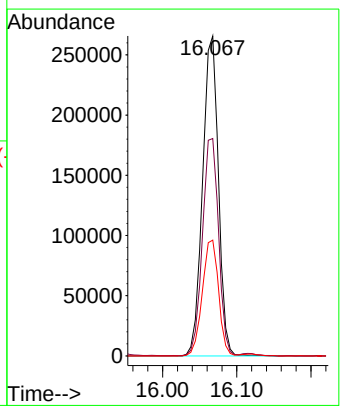
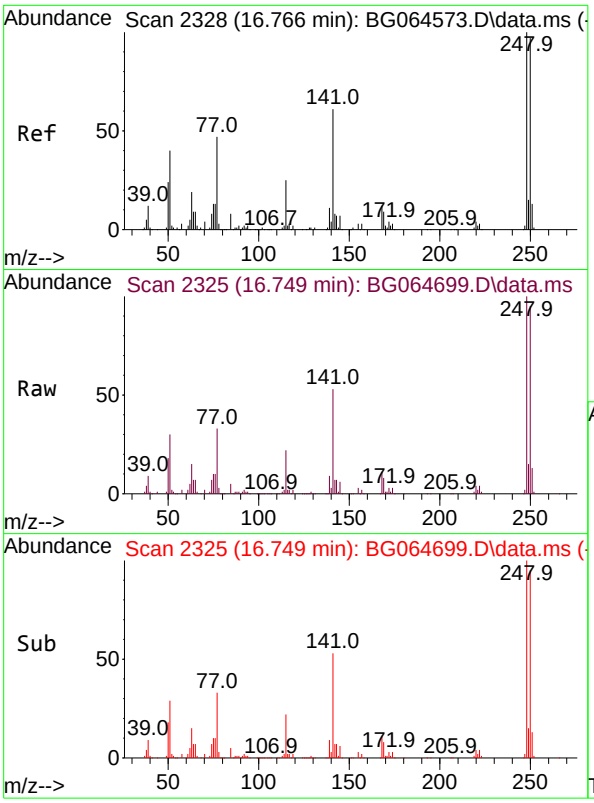


#66
n-Nitrosodiphenylamine
Concen: 42.140 ng
RT: 16.067 min Scan# 2209
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:169 Resp: 392619

Ion	Ratio	Lower	Upper
169	100		
168	68.0	56.3	84.5
167	36.2	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 47.780 ng
RT: 16.749 min Scan# 2
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:248 Resp: 19529

Ion	Ratio	Lower	Upper
248	100		
250	95.1	77.7	116.5
141	52.7	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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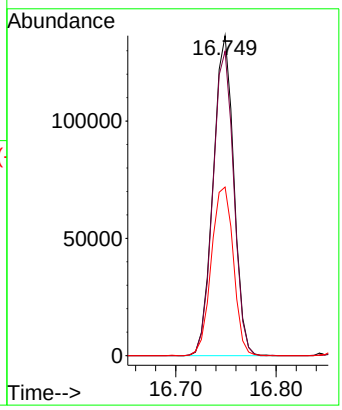

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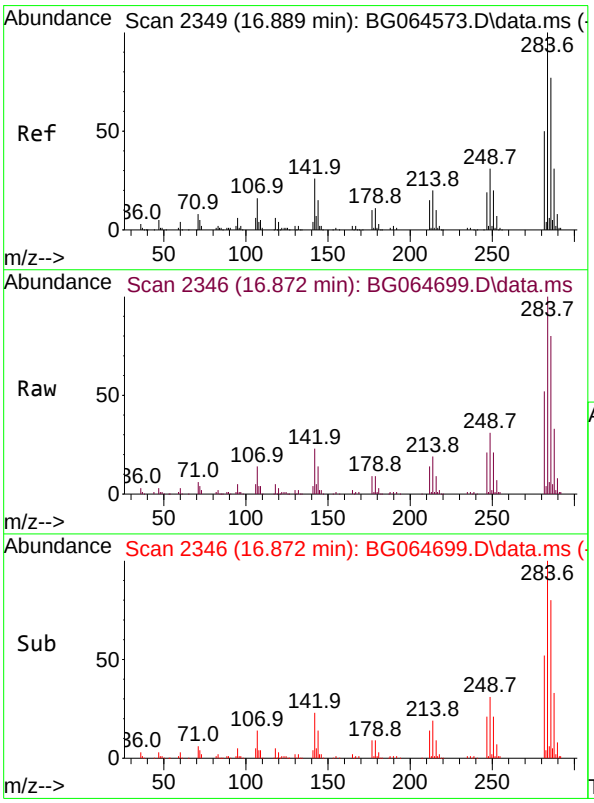
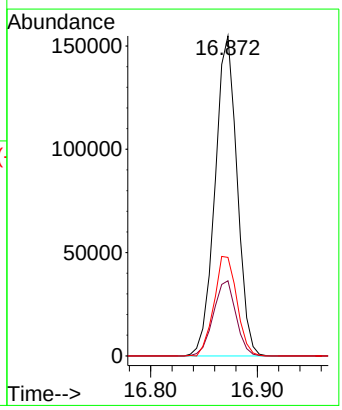
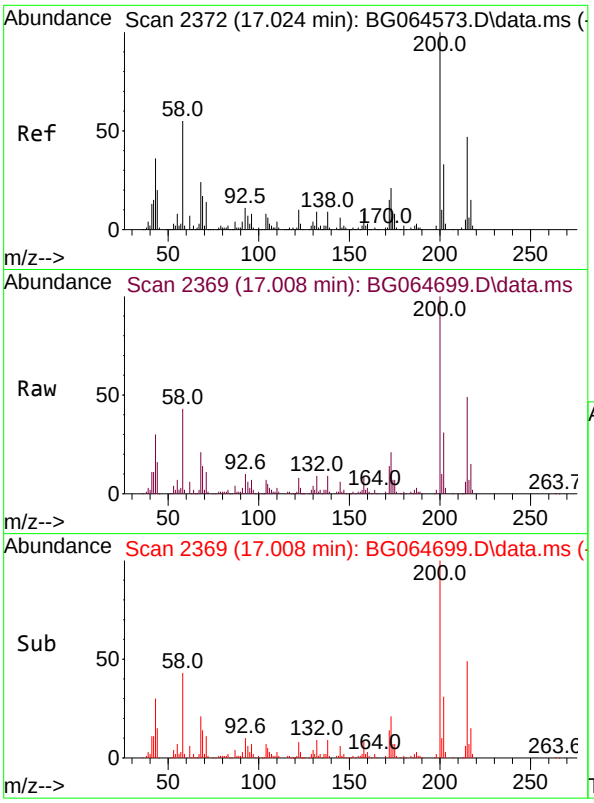


#68
Hexachlorobenzene
Concen: 47.843 ng
RT: 16.872 min Scan# 2346
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:284 Resp: 223089

Ion	Ratio	Lower	Upper
284	100		
142	23.5	21.0	31.6
249	32.9	24.9	37.3





#69
Atrazine
Concen: 40.469 ng
RT: 17.008 min Scan# 2
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:200 Resp: 162259

Ion	Ratio	Lower	Upper
200	100		
173	20.9	0.9	40.9
215	48.8	27.0	67.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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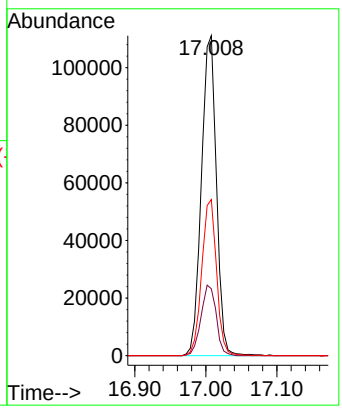

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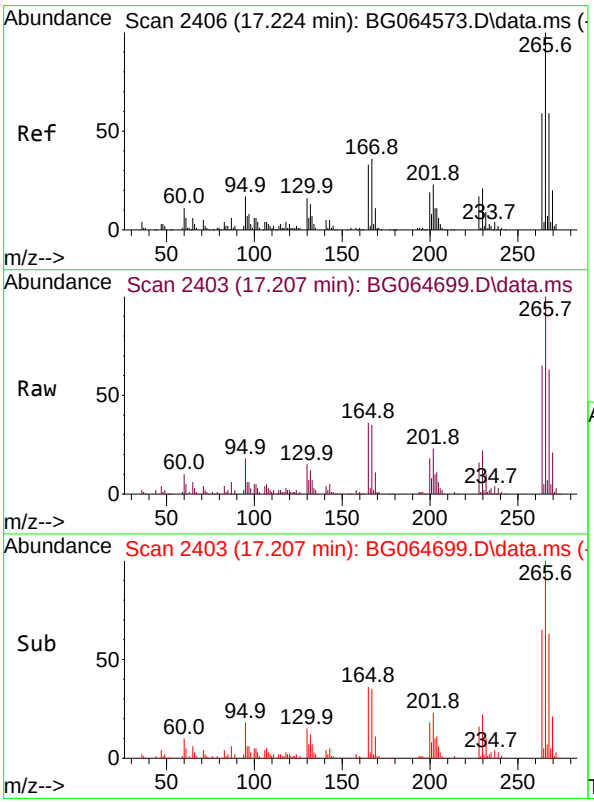
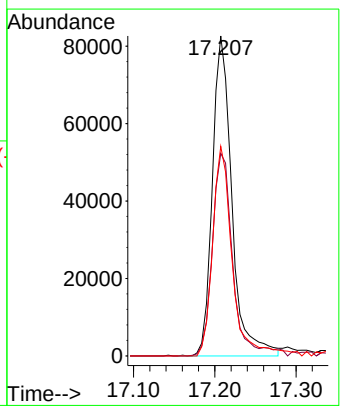
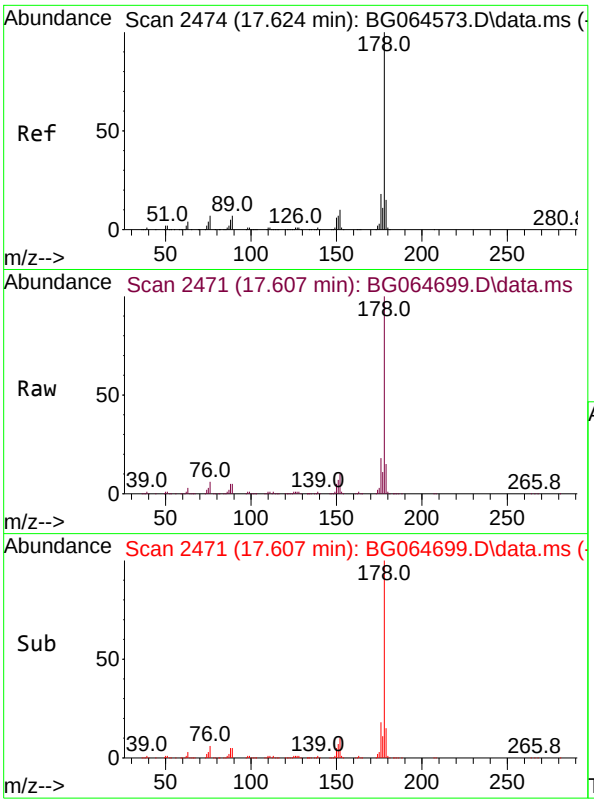


#70
Pentachlorophenol
Concen: 47.375 ng
RT: 17.207 min Scan# 2403
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:266 Resp: 137754

Ion	Ratio	Lower	Upper
266	100		
268	68.3	50.3	75.5
264	70.6	47.3	70.9





#71
Phenanthrene
Concen: 41.104 ng
RT: 17.607 min Scan# 24
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:178 Resp: 775298

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.1	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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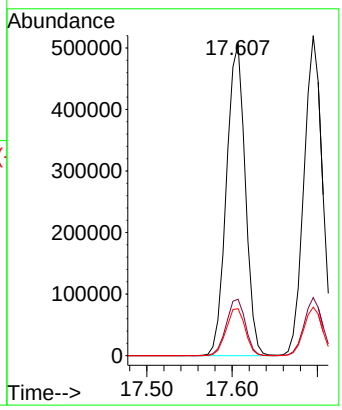

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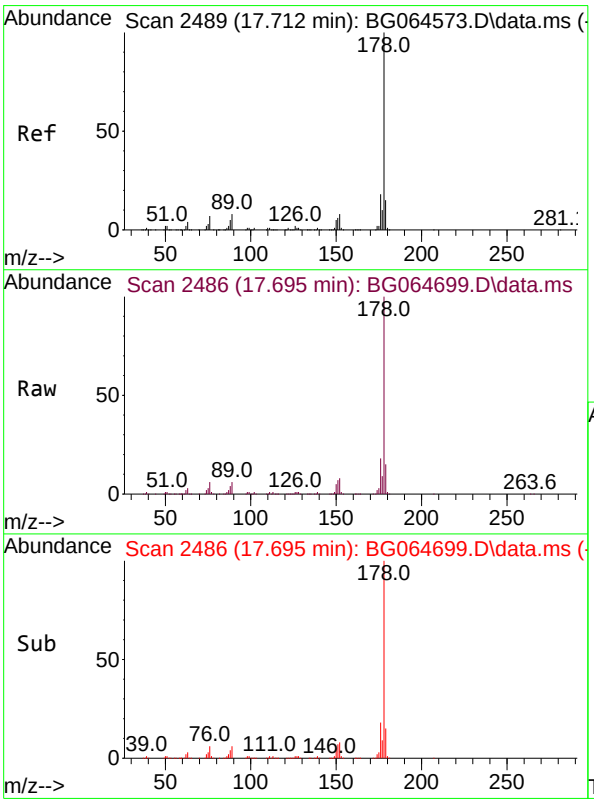
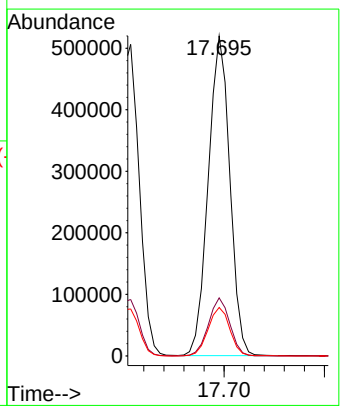
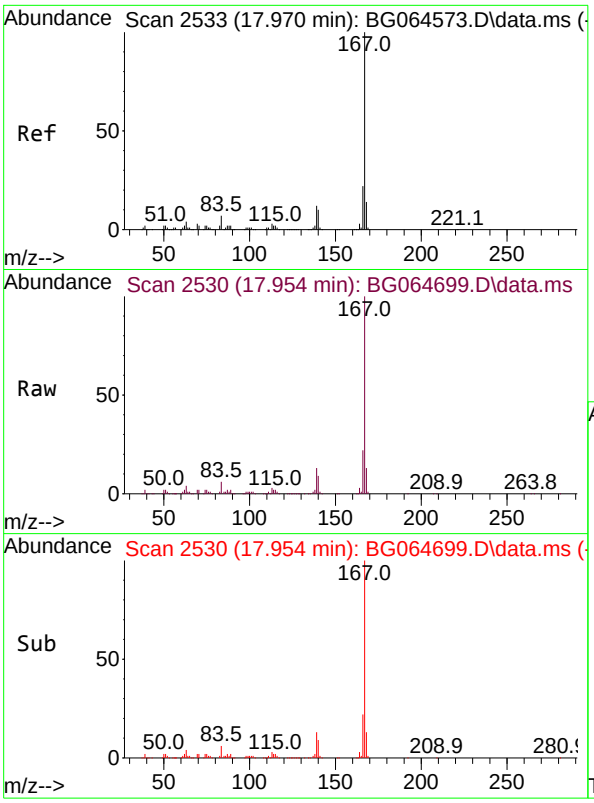


#72
Anthracene
Concen: 40.465 ng
RT: 17.695 min Scan# 2486
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:178 Resp: 776391

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.4	21.6
179	15.1	12.4	18.6





#73
Carbazole
Concen: 34.817 ng
RT: 17.954 min Scan# 2
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:167 Resp: 58907

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.9	26.9
139	12.8	9.7	14.5

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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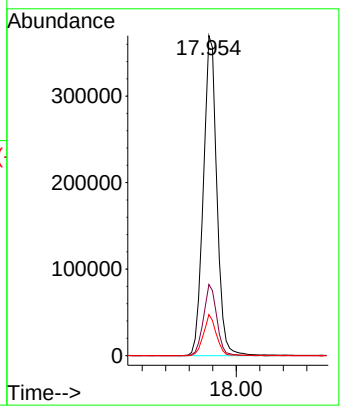

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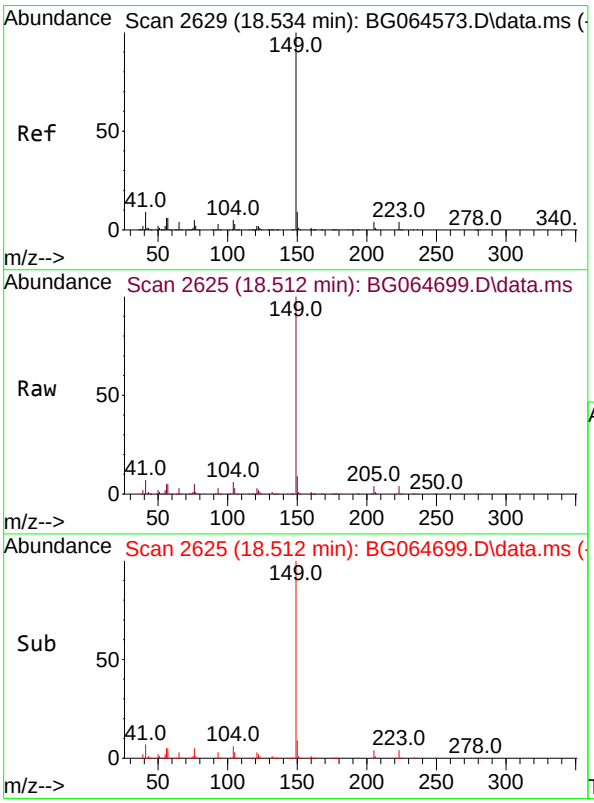
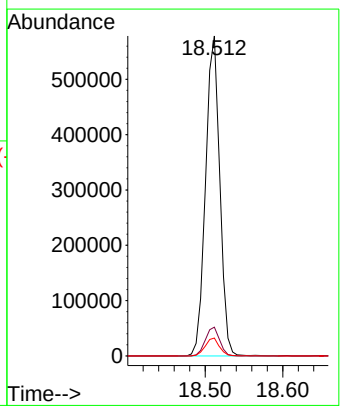
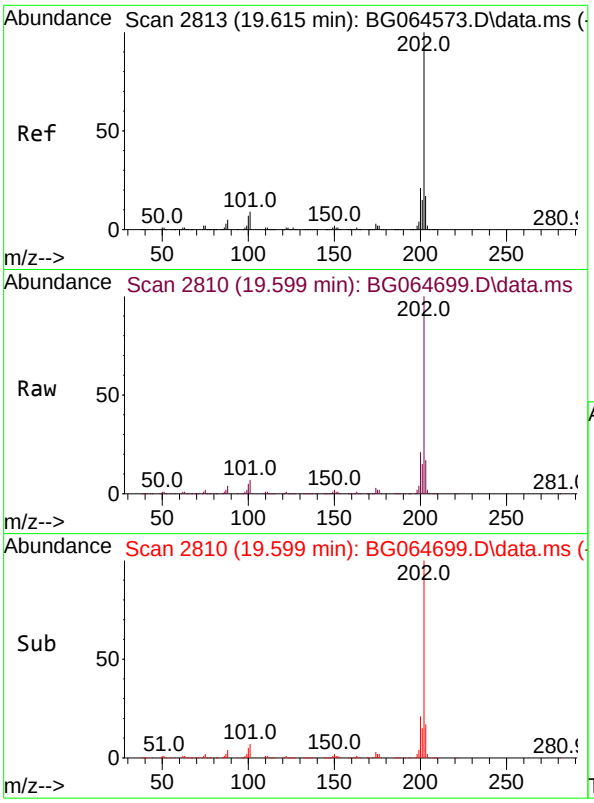


#74
Di-n-butylphthalate
Concen: 37.590 ng
RT: 18.512 min Scan# 2625
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:149 Resp: 735455

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	5.6	4.1	6.1





#75
Fluoranthene
Concen: 34.964 ng
RT: 19.599 min Scan# 2
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:202 Resp: 826157

Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	28.7
203	17.3	0.0	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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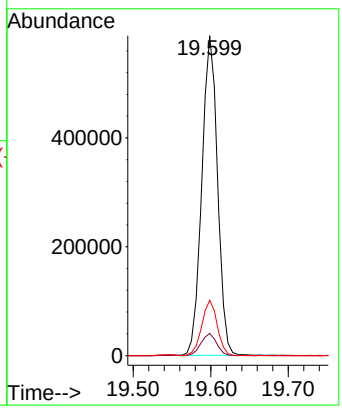

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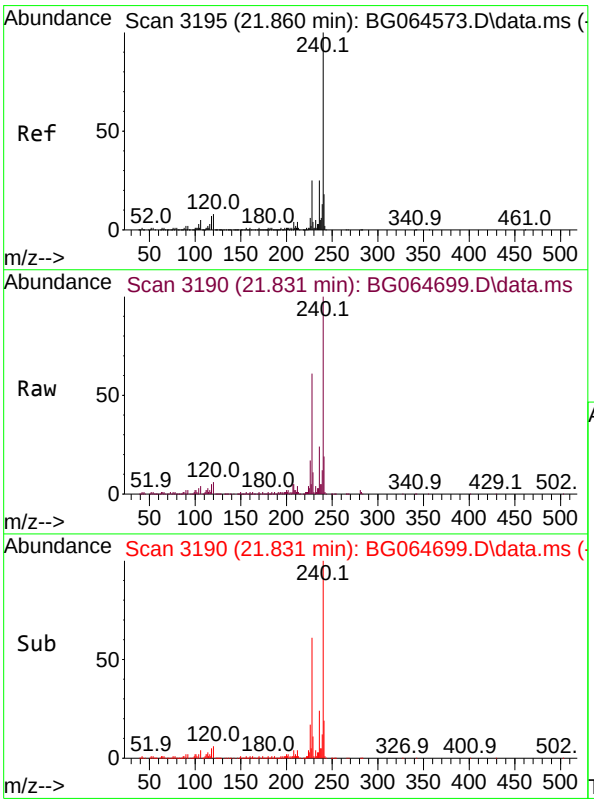
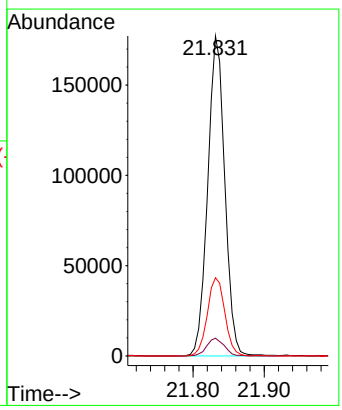
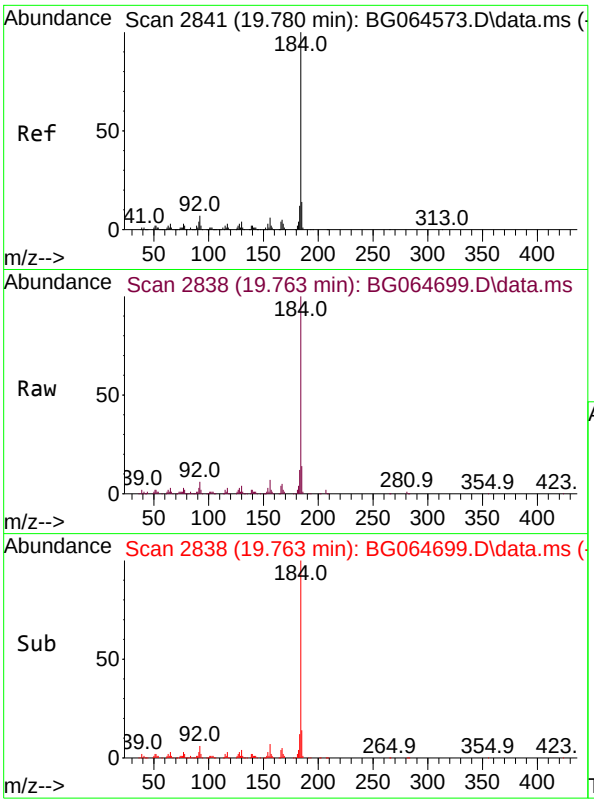


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.831 min Scan# 3190
Delta R.T. -0.028 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:240 Resp: 295235

Ion	Ratio	Lower	Upper
240	100		
120	5.5	6.5	9.7#
236	24.4	20.2	30.2





#77
Benzidine
Concen: 39.978 ng
RT: 19.763 min Scan# 2
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:184 Resp: 26443

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.4	17.2
183	11.6	9.4	14.2

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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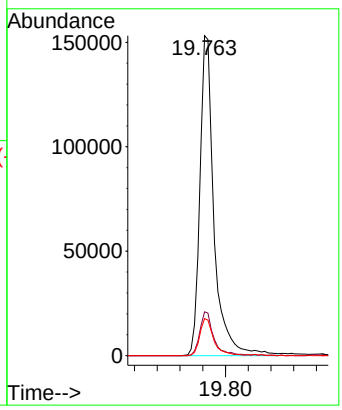

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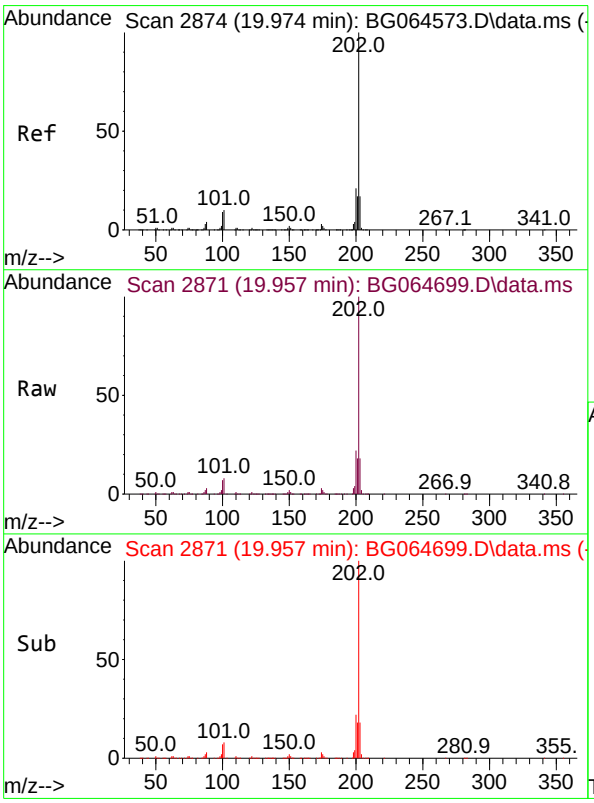
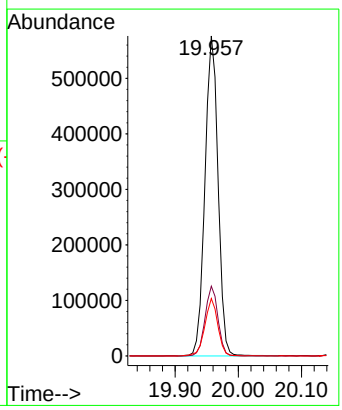
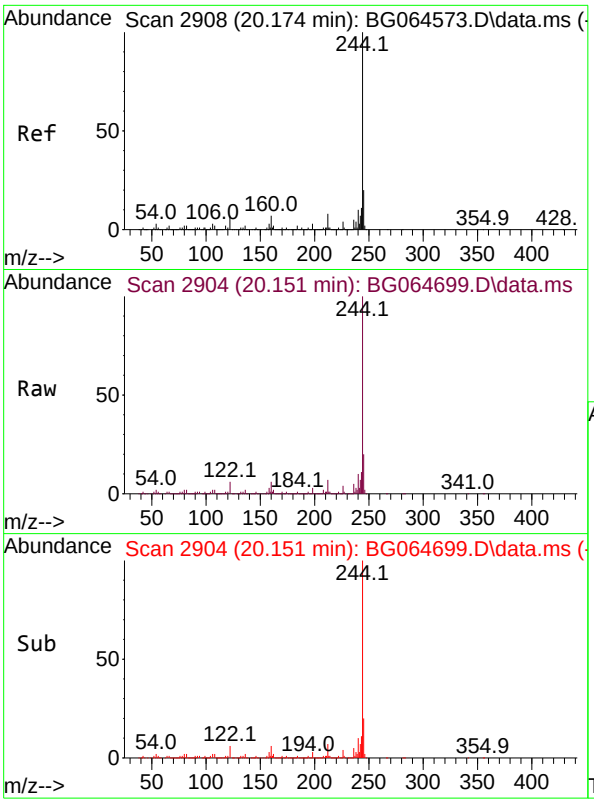


#78
Pyrene
Concen: 42.955 ng
RT: 19.957 min Scan# 2871
Delta R.T. -0.017 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:202 Resp: 828569

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.0	25.4
203	17.9	13.8	20.6





#79
Terphenyl-d14
Concen: 88.827 ng
RT: 20.151 min Scan# 29
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:244 Resp: 1389648

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	5.8	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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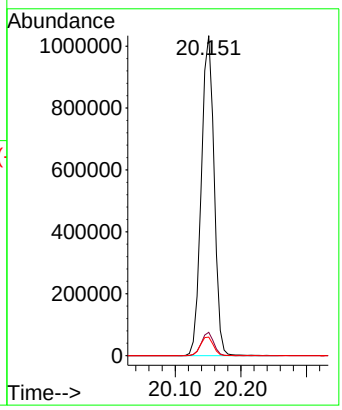

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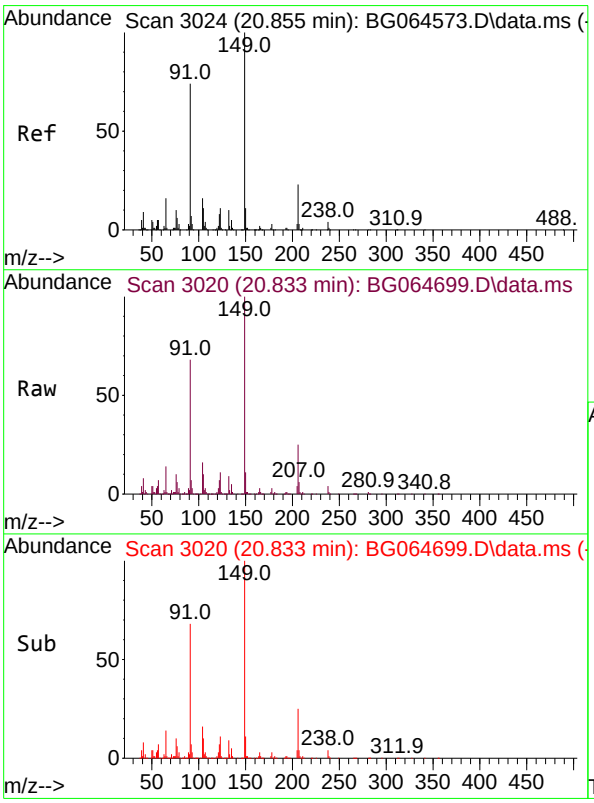
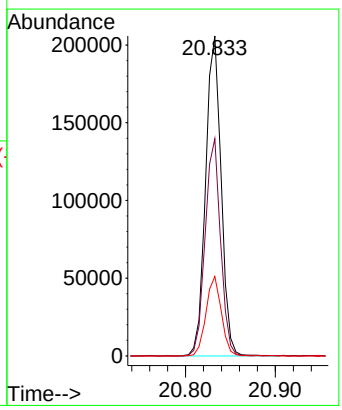
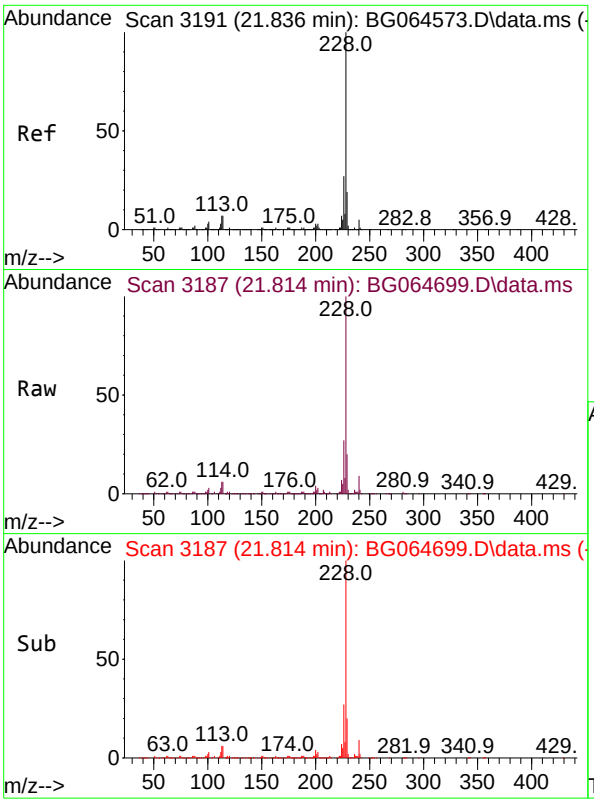


#80
Butylbenzylphthalate
Concen: 42.301 ng
RT: 20.833 min Scan# 3020
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:149 Resp: 246609

Ion	Ratio	Lower	Upper
149	100		
91	67.9	59.2	88.8
206	24.8	18.1	27.1





#81
Benzo(a)anthracene
Concen: 41.698 ng
RT: 21.814 min Scan# 3
Delta R.T. -0.023 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:228 Resp: 81627

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.8	15.6	23.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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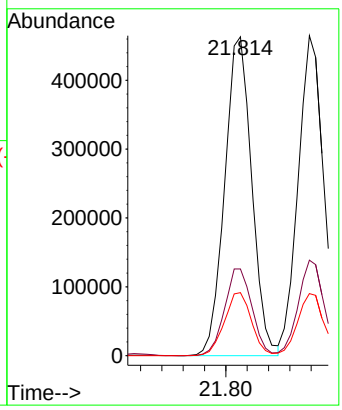

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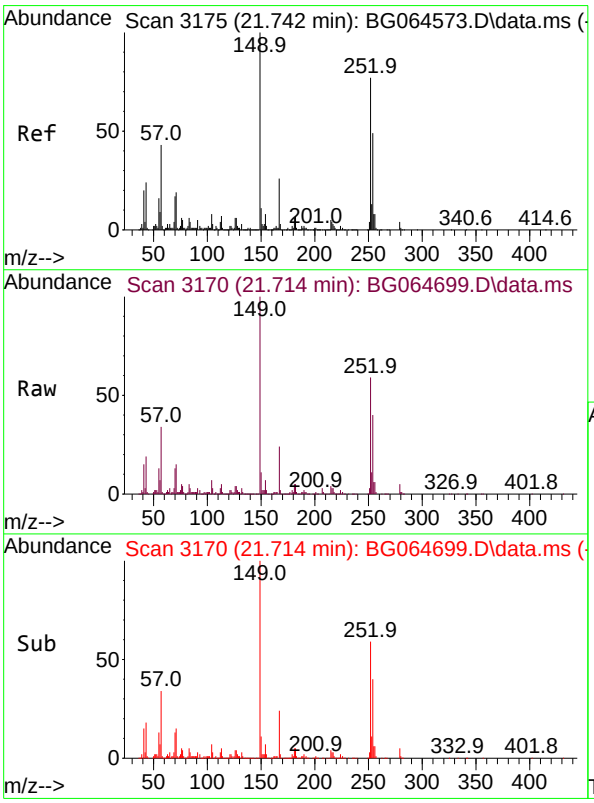
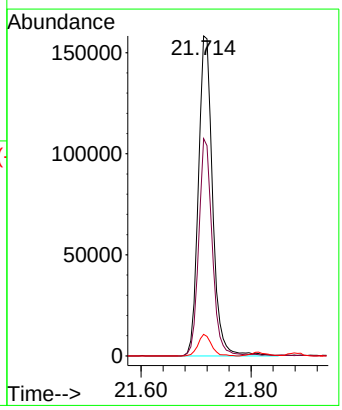
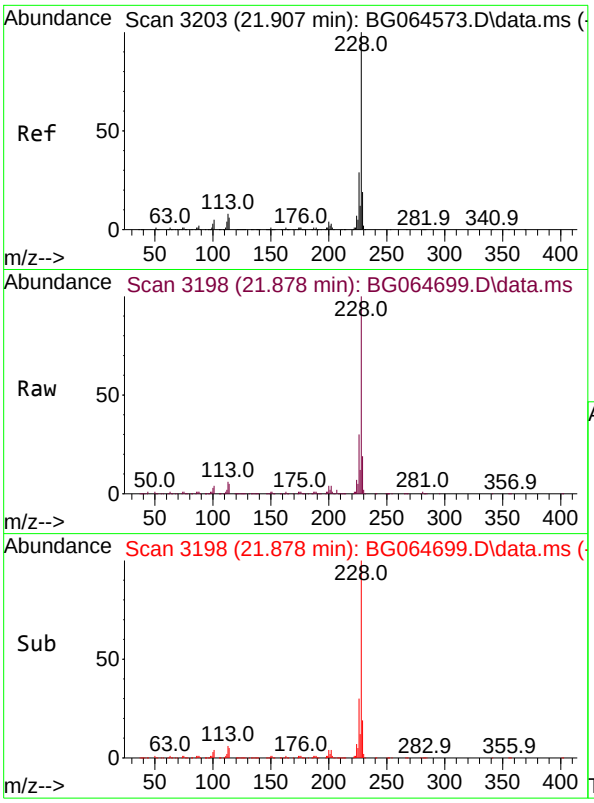


#82
3,3'-Dichlorobenzidine
Concen: 43.193 ng
RT: 21.714 min Scan# 3170
Delta R.T. -0.028 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:252 Resp: 282354

Ion	Ratio	Lower	Upper
252	100		
254	67.9	50.8	76.2
126	6.7	5.8	8.6





#83
Chrysene
Concen: 41.363 ng
RT: 21.878 min Scan# 3
Delta R.T. -0.028 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:228 Resp: 770459

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.3	34.9
229	19.4	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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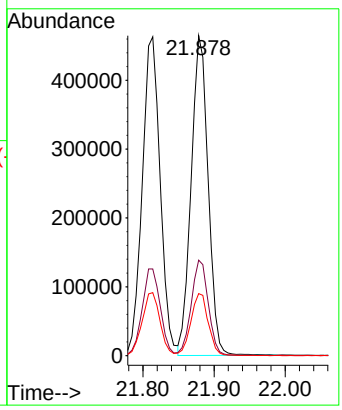

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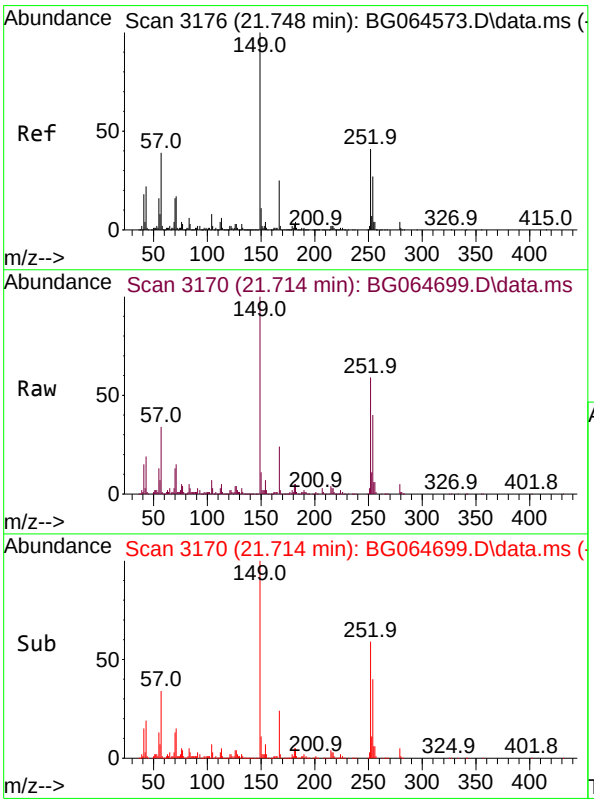
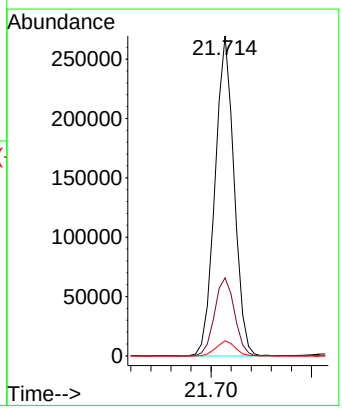
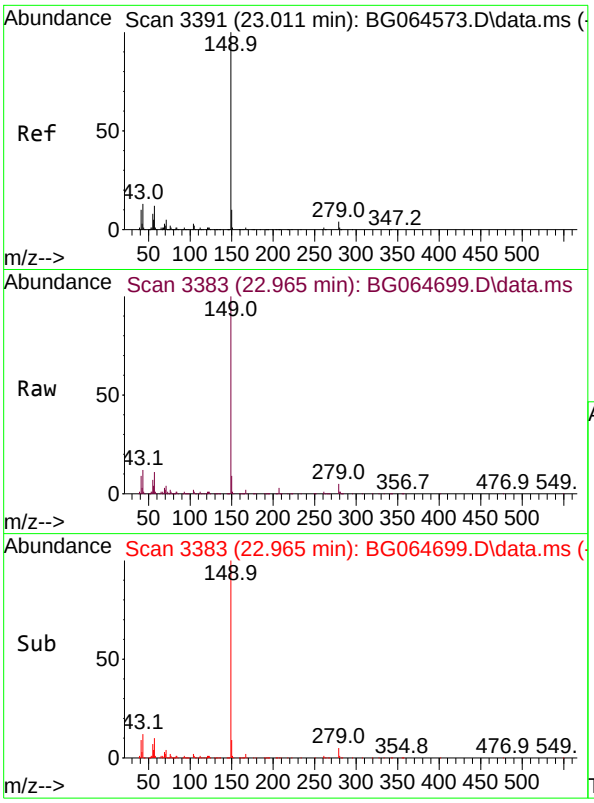


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.868 ng
RT: 21.714 min Scan# 3170
Delta R.T. -0.034 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:149 Resp: 356015

Ion	Ratio	Lower	Upper
149	100		
167	24.4	20.0	30.0
279	4.7	3.1	4.7#





#85
Di-n-octyl phthalate
Concen: 42.540 ng
RT: 22.965 min Scan# 3
Delta R.T. -0.046 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:149 Resp: 624789

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.2	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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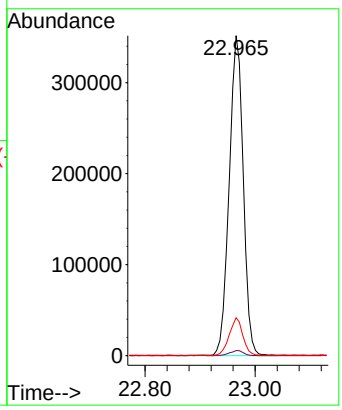

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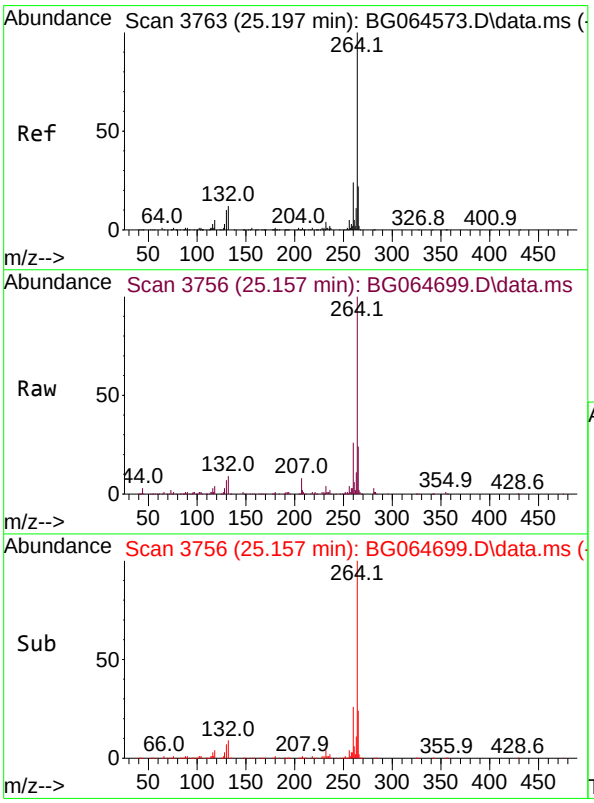
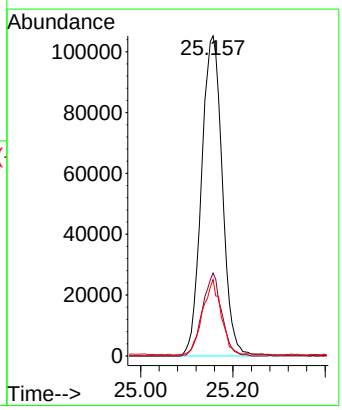
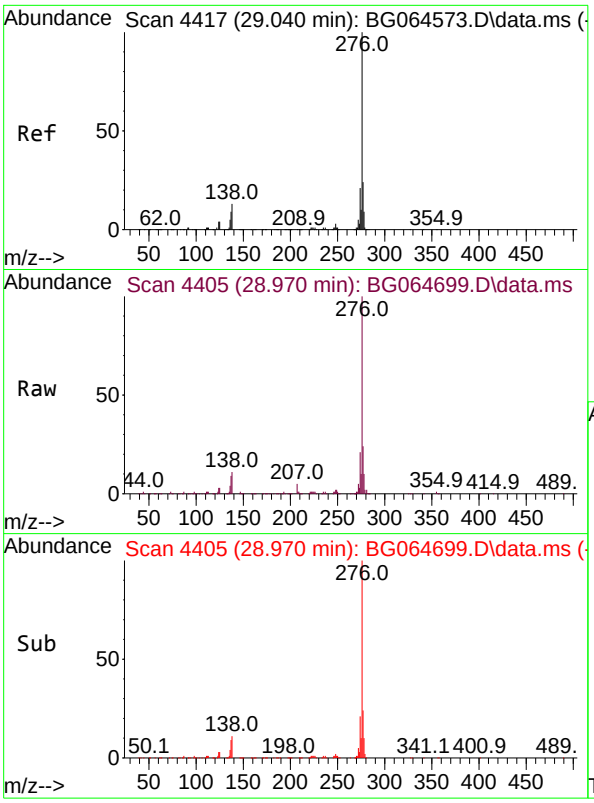


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.157 min Scan# 3756
Delta R.T. -0.040 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:264 Resp: 328268

Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.0	28.4
265	23.8	17.6	26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 41.639 ng
RT: 28.970 min Scan# 44
Delta R.T. -0.070 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:276 Resp: 100552

Ion	Ratio	Lower	Upper
276	100		
138	8.7	10.8	16.2#
277	25.2	20.1	30.1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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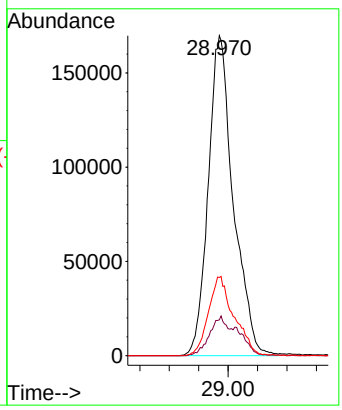

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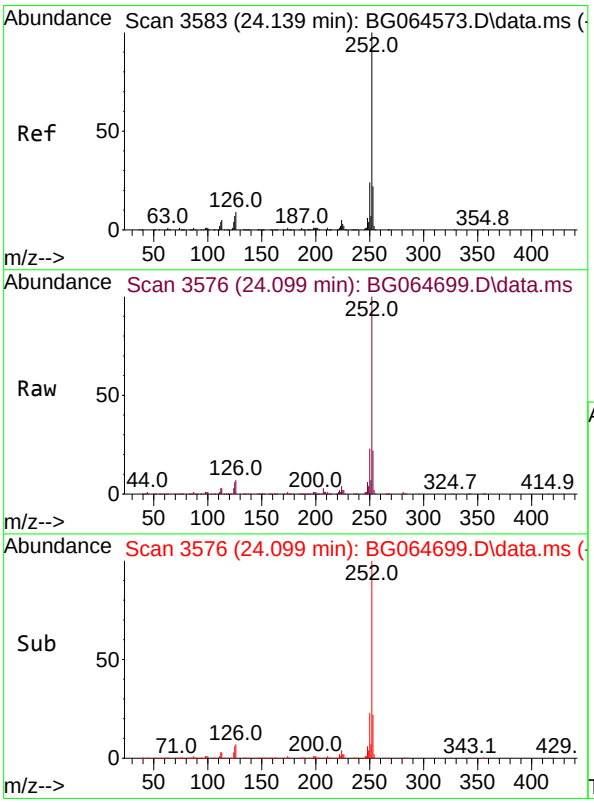
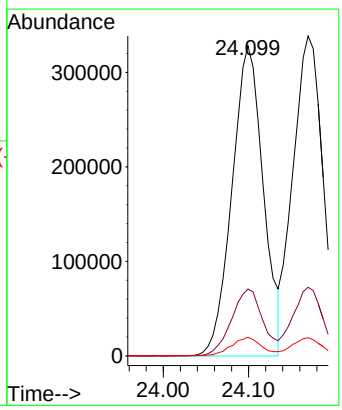
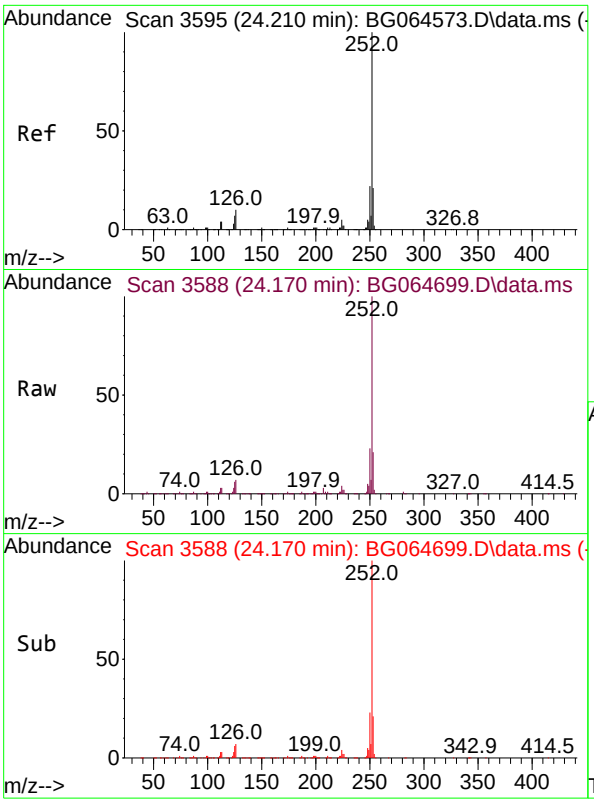


#88
Benzo(b)fluoranthene
Concen: 41.583 ng
RT: 24.099 min Scan# 3576
Delta R.T. -0.040 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:252 Resp: 837036

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	6.0	5.6	8.4





#89
Benzo(k)fluoranthene
Concen: 41.432 ng
RT: 24.170 min Scan# 3
Delta R.T. -0.040 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:252 Resp: 834564

Ion	Ratio	Lower	Upper
252	100		
253	21.4	16.8	25.2
125	5.7	5.4	8.0

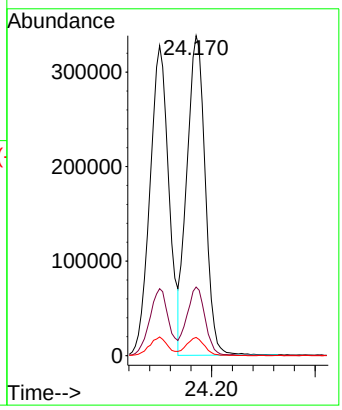
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

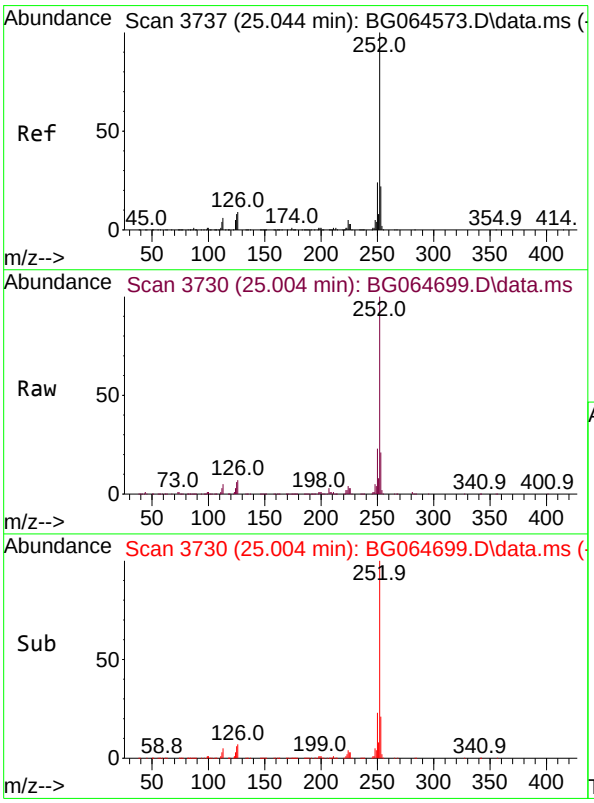
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

11/07/2025
Supervised By :Jagrut Upadhyay

11/10/2025

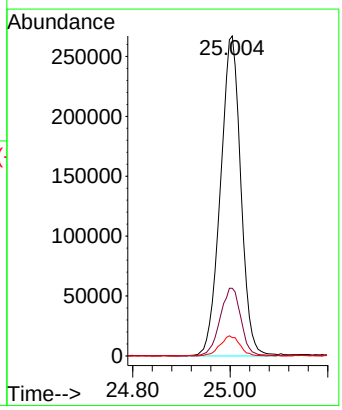


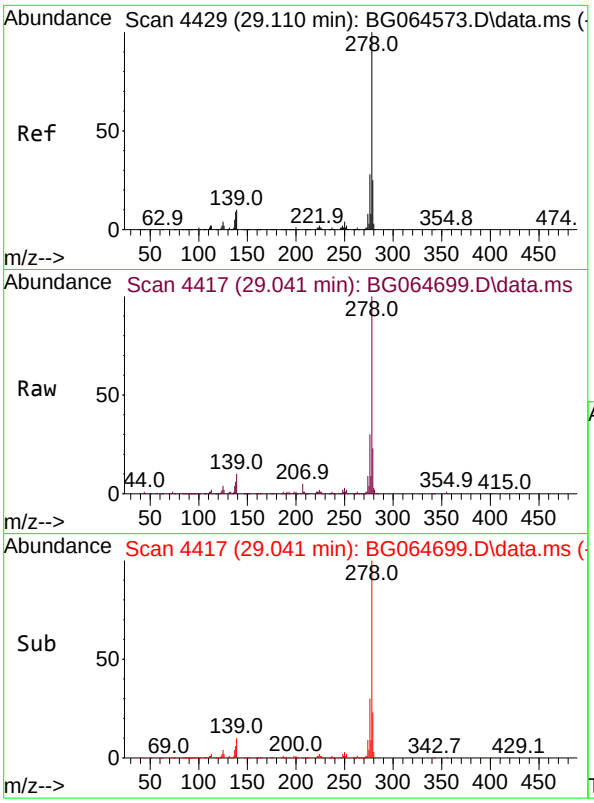


#90
Benzo(a)pyrene
Concen: 41.774 ng
RT: 25.004 min Scan# 3730
Delta R.T. -0.040 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:252 Resp: 772958

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	5.7	6.1	9.1#





#91
Dibenzo(a,h)anthracene
Concen: 42.204 ng
RT: 29.041 min Scan# 44
Delta R.T. -0.070 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

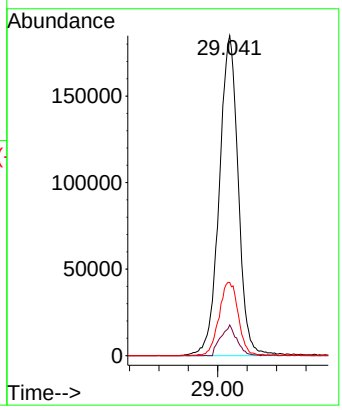
Tgt Ion:278 Resp: 82800

Ion	Ratio	Lower	Upper
278	100		
139	9.6	8.0	12.0
279	22.9	19.8	29.6

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

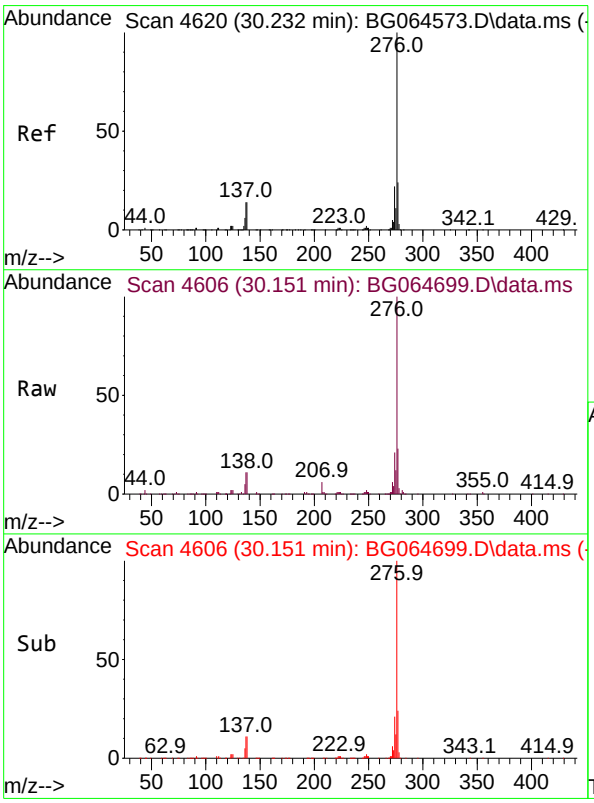
Manual Integrations APPROVED

Reviewed By :Rahul Chavli



11/07/2025
Supervised By :Jagrut Upadhyay

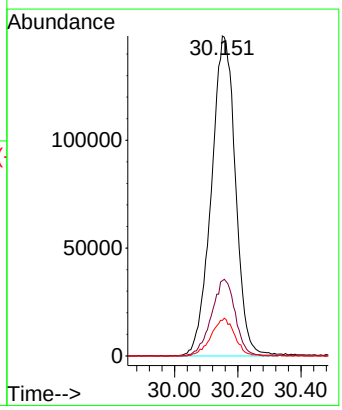
11/10/2025



#92
Benzo(g,h,i)perylene
Concen: 41.962 ng
RT: 30.151 min Scan# 4606
Delta R.T. -0.081 min
Lab File: BG064699.D
Acq: 6 Nov 2025 12:13

Tgt Ion:276 Resp: 786435

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.1	28.7
138	11.1	11.3	16.9#



Sample Results: **BG064699.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064699.D
Acq On : 6 Nov 2025 12:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:52:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	-0.02
2		1,4-Dioxane	0.528	0.427	19.1	80	-0.02
3		Pyridine	1.584	1.314	17.0	78	-0.02
4		n-Nitrosodimethylamine	0.850	0.686	19.3	75	-0.02
5	S	2-Fluorophenol	1.192	1.123	5.8	86	-0.02
6		Aniline	2.225	2.079	6.6	86	-0.02
7	S	Phenol-d6	1.635	1.569	4.0	87	-0.01
8		2-Chlorophenol	1.247	1.315	-5.5	94	-0.02
9		Benzaldehyde	0.893	0.817	8.5	86	-0.02
10	C	Phenol	1.808	1.740	3.8	88	-0.01
11		bis(2-Chloroethyl)ether	1.329	1.267	4.7	90	-0.02
12		1,3-Dichlorobenzene	1.435	1.438	-0.2	93	-0.02
13	C	1,4-Dichlorobenzene	1.460	1.479	-1.3	95	-0.02
14		1,2-Dichlorobenzene	1.408	1.424	-1.1	95	-0.02
15		Benzyl Alcohol	1.348	1.381	-2.4	96	-0.01
16		2,2'-oxybis(1-Chloropropane	3.487	3.278	6.0	87	-0.02
17		2-Methylphenol	1.201	1.251	-4.2	97	-0.02
18		Hexachloroethane	0.512	0.541	-5.7	99	-0.02
19	P	n-Nitroso-di-n-propylamine	1.130	1.186	-5.0	95	-0.02
20		3+4-Methylphenols	1.688	1.777	-5.3	96	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	99	-0.02
22		Acetophenone	0.547	0.557	-1.8	95	-0.02
23	S	Nitrobenzene-d5	0.333	0.418	-25.5#	110	-0.02
24		Nitrobenzene	0.362	0.429	-18.5	104	-0.02
25		Isophorone	0.799	0.823	-3.0	94	-0.02
26	C	2-Nitrophenol	0.121	0.193	-59.5#	140	-0.02
27		2,4-Dimethylphenol	0.297	0.312	-5.1	93	-0.02
28		bis(2-Chloroethoxy)methane	0.455	0.457	-0.4	93	-0.02
29	C	2,4-Dichlorophenol	0.320	0.382	-19.4	105	-0.02
30		1,2,4-Trichlorobenzene	0.363	0.413	-13.8	105	-0.02
31		Naphthalene	1.109	1.158	-4.4	98	-0.02
32		Benzoic acid	0.207	0.248	-19.8	110	0.00
33		4-Chloroaniline	0.431	0.452	-4.9	98	-0.02
34	C	Hexachlorobutadiene	0.284	0.342	-20.4#	113	-0.02
35		Caprolactam	0.123	0.121	1.6	89	0.00
36	C	4-Chloro-3-methylphenol	0.384	0.438	-14.1	102	-0.01
37		2-Methylnaphthalene	0.814	0.890	-9.3	102	-0.02
38		1-Methylnaphthalene	0.806	0.876	-8.7	102	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	109	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.671	0.752	-12.1	117	-0.02
41	P	Hexachlorocyclopentadiene	0.302	0.351	-16.2	118	-0.02
42	S	2,4,6-Tribromophenol	0.289	0.381	-31.8#	130	-0.02
43	C	2,4,6-Trichlorophenol	0.384	0.464	-20.8#	119	-0.01
44		2,4,5-Trichlorophenol	0.443	0.522	-17.8	117	-0.01
45	S	2-Fluorobiphenyl	1.319	1.387	-5.2	109	-0.02
46		1,1'-Biphenyl	1.422	1.439	-1.2	105	-0.02
47		2-Chloronaphthalene	1.073	1.129	-5.2	109	-0.02

Sample Results: **BG064699.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064699.D
Acq On : 6 Nov 2025 12:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:52:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.311	0.400	-28.6#	125	-0.01
49		Acenaphthylene	1.693	1.721	-1.7	105	-0.02
50		Dimethylphthalate	1.530	1.590	-3.9	105	-0.02
51		2,6-Dinitrotoluene	0.218	0.309	-41.7#	136	-0.01
52	C	Acenaphthene	1.157	1.196	-3.4	106	-0.02
53		3-Nitroaniline	0.263	0.315	-19.8	116	-0.01
54	P	2,4-Dinitrophenol	0.132	0.141	-6.8	112	-0.01
55		Dibenzofuran	1.870	1.918	-2.6	106	-0.02
56	P	4-Nitrophenol	0.244	0.196	19.7	82	0.00
57		2,4-Dinitrotoluene	0.340	0.472	-38.8#	133	-0.01
58		Fluorene	1.460	1.525	-4.5	108	-0.02
59		2,3,4,6-Tetrachlorophenol	0.424	0.518	-22.2	121	-0.02
60		Diethylphthalate	1.563	1.597	-2.2	105	-0.02
61		4-Chlorophenyl-phenylether	0.820	0.923	-12.6	116	-0.02
62		4-Nitroaniline	0.293	0.304	-3.8	101	-0.01
63		Azobenzene	1.434	1.371	4.4	97	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	110	-0.02
65		4,6-Dinitro-2-methylphenol	0.079	0.111	-40.5#	148	-0.01
66	c	n-Nitrosodiphenylamine	0.540	0.569	-5.4	107	-0.02
67		4-Bromophenyl-phenylether	0.237	0.283	-19.4	121	-0.02
68		Hexachlorobenzene	0.270	0.323	-19.6	122	-0.02
69		Atrazine	0.232	0.235	-1.3	106	-0.02
70	C	Pentachlorophenol	0.169	0.200	-18.3	122	-0.02
71		Phenanthrene	1.094	1.124	-2.7	106	-0.02
72		Anthracene	1.113	1.125	-1.1	104	-0.02
73		Carbazole	0.981	0.854	12.9	91	-0.02
74		Di-n-butylphthalate	1.134	1.066	6.0	95	-0.02
75	C	Fluoranthene	1.370	1.198	12.6	92	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	89	-0.03
77		Benzidine	0.448	0.448	0.0	81	-0.02
78		Pyrene	1.307	1.403	-7.3	88	-0.02
79	S	Terphenyl-d14	1.060	1.177	-11.0	91	-0.02
80		Butylbenzylphthalate	0.395	0.418	-5.8	82	-0.02
81		Benzo(a)anthracene	1.326	1.382	-4.2	87	-0.02
82		3,3'-Dichlorobenzidine	0.443	0.478	-7.9	89	-0.03
83		Chrysene	1.262	1.305	-3.4	86	-0.03
84		Bis(2-ethylhexyl)phthalate	0.590	0.603	-2.2	80	-0.03
85	c	Di-n-octyl phthalate	0.995	1.058	-6.3	86	-0.05
86	I	Perylene-d12	1.000	1.000	0.0	94	-0.04
87		Indeno(1,2,3-cd)pyrene	1.471	1.532	-4.1	91	-0.07
88		Benzo(b)fluoranthene	1.226	1.275	-4.0	90	-0.04
89		Benzo(k)fluoranthene	1.227	1.271	-3.6	93	-0.04
90	C	Benzo(a)pyrene	1.127	1.177	-4.4	92	-0.04
91		Dibenzo(a,h)anthracene	1.195	1.261	-5.5	93	-0.07
92		Benzo(g,h,i)perylene	1.142	1.198	-4.9	92	-0.08

Sample Results: **BG064699.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064699.D
Acq On : 6 Nov 2025 12:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:52:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 3

Sample Results: **BG064699.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064699.D
Acq On : 6 Nov 2025 12:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:52:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	99	-0.02
2		1,4-Dioxane	40.000	32.370	19.1	80	-0.02
3		Pyridine	40.000	33.188	17.0	78	-0.02
4		n-Nitrosodimethylamine	40.000	32.320	19.2	75	-0.02
5	S	2-Fluorophenol	80.000	75.399	5.8	86	-0.02
6		Aniline	40.000	37.375	6.6	86	-0.02
7	S	Phenol-d6	80.000	76.778	4.0	87	-0.01
8		2-Chlorophenol	40.000	42.162	-5.4	94	-0.02
9		Benzaldehyde	40.000	36.632	8.4	86	-0.02
10	C	Phenol	40.000	38.495	3.8	88	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.135	4.7	90	-0.02
12		1,3-Dichlorobenzene	40.000	40.063	-0.2	93	-0.02
13	C	1,4-Dichlorobenzene	40.000	40.524	-1.3	95	-0.02
14		1,2-Dichlorobenzene	40.000	40.470	-1.2	95	-0.02
15		Benzyl Alcohol	40.000	40.967	-2.4	96	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	37.599	6.0	87	-0.02
17		2-Methylphenol	40.000	41.695	-4.2	97	-0.02
18		Hexachloroethane	40.000	42.239	-5.6	99	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	41.998	-5.0	95	-0.02
20		3+4-Methylphenols	40.000	42.101	-5.3	96	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	99	-0.02
22		Acetophenone	40.000	40.782	-2.0	95	-0.02
23	S	Nitrobenzene-d5	80.000	100.386	-25.5#	110	-0.02
24		Nitrobenzene	40.000	47.366	-18.4	104	-0.02
25		Isophorone	40.000	41.196	-3.0	94	-0.02
26	C	2-Nitrophenol	40.000	54.813	-37.0#	140	-0.02
27		2,4-Dimethylphenol	40.000	42.053	-5.1	93	-0.02
28		bis(2-Chloroethoxy)methane	40.000	40.155	-0.4	93	-0.02
29	C	2,4-Dichlorophenol	40.000	47.789	-19.5	105	-0.02
30		1,2,4-Trichlorobenzene	40.000	45.434	-13.6	105	-0.02
31		Naphthalene	40.000	41.760	-4.4	98	-0.02
32		Benzoic acid	40.000	44.329	-10.8	110	0.00
33		4-Chloroaniline	40.000	41.923	-4.8	98	-0.02
34	C	Hexachlorobutadiene	40.000	48.092	-20.2#	113	-0.02
35		Caprolactam	40.000	39.329	1.7	89	0.00
36	C	4-Chloro-3-methylphenol	40.000	45.611	-14.0	102	-0.01
37		2-Methylnaphthalene	40.000	43.733	-9.3	102	-0.02
38		1-Methylnaphthalene	40.000	43.463	-8.7	102	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	109	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	44.829	-12.1	117	-0.02
41	P	Hexachlorocyclopentadiene	40.000	46.529	-16.3	118	-0.02
42	S	2,4,6-Tribromophenol	80.000	105.583	-32.0#	130	-0.02
43	C	2,4,6-Trichlorophenol	40.000	48.322	-20.8#	119	-0.01
44		2,4,5-Trichlorophenol	40.000	47.123	-17.8	117	-0.01
45	S	2-Fluorobiphenyl	80.000	84.114	-5.1	109	-0.02
46		1,1'-Biphenyl	40.000	40.483	-1.2	105	-0.02
47		2-Chloronaphthalene	40.000	42.060	-5.2	109	-0.02

Sample Results: **BG064699.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064699.D
Acq On : 6 Nov 2025 12:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:52:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.598	-11.5	125	-0.01
49		Acenaphthylene	40.000	40.665	-1.7	105	-0.02
50		Dimethylphthalate	40.000	41.546	-3.9	105	-0.02
51		2,6-Dinitrotoluene	40.000	48.888	-22.2	136	-0.01
52	C	Acenaphthene	40.000	41.360	-3.4	106	-0.02
53		3-Nitroaniline	40.000	47.900	-19.7	116	-0.01
54	P	2,4-Dinitrophenol	40.000	39.342	1.6	112	-0.01
55		Dibenzofuran	40.000	41.026	-2.6	106	-0.02
56	P	4-Nitrophenol	40.000	32.212	19.5	82	0.00
57		2,4-Dinitrotoluene	40.000	48.300	-20.7	133	-0.01
58		Fluorene	40.000	41.763	-4.4	108	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	48.891	-22.2	121	-0.02
60		Diethylphthalate	40.000	40.891	-2.2	105	-0.02
61		4-Chlorophenyl-phenylether	40.000	45.067	-12.7	116	-0.02
62		4-Nitroaniline	40.000	41.545	-3.9	101	-0.01
63		Azobenzene	40.000	38.259	4.4	97	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	110	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	50.354	-25.9#	148	-0.01
66	c	n-Nitrosodiphenylamine	40.000	42.140	-5.4	107	-0.02
67		4-Bromophenyl-phenylether	40.000	47.780	-19.5	121	-0.02
68		Hexachlorobenzene	40.000	47.843	-19.6	122	-0.02
69		Atrazine	40.000	40.469	-1.2	106	-0.02
70	C	Pentachlorophenol	40.000	47.375	-18.4	122	-0.02
71		Phenanthrene	40.000	41.104	-2.8	106	-0.02
72		Anthracene	40.000	40.465	-1.2	104	-0.02
73		Carbazole	40.000	34.817	13.0	91	-0.02
74		Di-n-butylphthalate	40.000	37.590	6.0	95	-0.02
75	C	Fluoranthene	40.000	34.964	12.6	92	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	89	-0.03
77		Benzidine	40.000	39.978	0.1	81	-0.02
78		Pyrene	40.000	42.955	-7.4	88	-0.02
79	S	Terphenyl-d14	80.000	88.827	-11.0	91	-0.02
80		Butylbenzylphthalate	40.000	42.301	-5.8	82	-0.02
81		Benzo(a)anthracene	40.000	41.698	-4.2	87	-0.02
82		3,3'-Dichlorobenzidine	40.000	43.193	-8.0	89	-0.03
83		Chrysene	40.000	41.363	-3.4	86	-0.03
84		Bis(2-ethylhexyl)phthalate	40.000	40.868	-2.2	80	-0.03
85	c	Di-n-octyl phthalate	40.000	42.540	-6.3	86	-0.05
86	I	Perylene-d12	20.000	20.000	0.0	94	-0.04
87		Indeno(1,2,3-cd)pyrene	40.000	41.639	-4.1	91	-0.07
88		Benzo(b)fluoranthene	40.000	41.583	-4.0	90	-0.04
89		Benzo(k)fluoranthene	40.000	41.432	-3.6	93	-0.04
90	C	Benzo(a)pyrene	40.000	41.774	-4.4	92	-0.04
91		Dibenzo(a,h)anthracene	40.000	42.204	-5.5	93	-0.07
92		Benzo(g,h,i)perylene	40.000	41.962	-4.9	92	-0.08

Sample Results: **BG064699.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064699.D
Acq On : 6 Nov 2025 12:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:52:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 3

Raw Data: **BP026076.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG No.: Q3534

Instrument ID: BNA_P | Calibration Date/Time: 11/06/2025 13:25

Lab File ID: BP026076.D | Init. Calib. Date(s): 10/29/2025 10/29/2025

EPA Sample No.: SSTDCCC040 | Init. Calib. Time(s): 09:26 14:13

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.212	1.267		4.5	
Benzaldehyde	0.802	0.809		0.9	
Phenol-d6	1.543	1.653		7.1	
Phenol	1.713	1.798		5.0	20.0
bis(2-Chloroethyl)ether	1.352	1.366		1.0	
2-Chlorophenol	1.342	1.480		10.3	
2-Methylphenol	1.121	1.196		6.7	
2,2-oxybis(1-Chloropropane)	2.043	1.948		-4.7	
Acetophenone	0.506	0.509		0.6	
3+4-Methylphenols	1.560	1.687		8.1	
n-Nitroso-di-n-propylamine	0.958	1.040	0.050	8.6	
Nitrobenzene-d5	0.321	0.353		10.0	
Hexachloroethane	0.533	0.569		6.8	
Nitrobenzene	0.339	0.360		6.2	
Isophorone	0.687	0.733		6.7	
2-Nitrophenol	0.104	0.180		73.1	20.0
2,4-Dimethylphenol	0.289	0.297		2.8	
bis(2-Chloroethoxy)methane	0.433	0.446		3.0	
2,4-Dichlorophenol	0.305	0.339		11.1	20.0
Naphthalene	1.091	1.091		0.0	
4-Chloroaniline	0.419	0.439		4.8	
Hexachlorobutadiene	0.211	0.215		1.9	20.0
Caprolactam	0.107	0.126		17.8	
4-Chloro-3-methylphenol	0.320	0.367		14.7	20.0
2-Methylnaphthalene	0.763	0.799		4.7	
Hexachlorocyclopentadiene	0.227	0.280	0.050	23.3	
2,4,6-Trichlorophenol	0.367	0.431		17.4	20.0
2-Fluorobiphenyl	1.392	1.347		-3.2	
2,4,5-Trichlorophenol	0.419	0.475		13.4	
1,1-Biphenyl	1.531	1.512		-1.2	
2-Chloronaphthalene	1.205	1.197		-0.7	
2-Nitroaniline	0.272	0.345		26.8	
Dimethylphthalate	1.455	1.553		6.7	
Acenaphthylene	1.756	1.771		0.9	
2,6-Dinitrotoluene	0.237	0.308		30.0	
3-Nitroaniline	0.291	0.362		24.4	
Acenaphthene	1.206	1.165		-3.4	20.0
2,4-Dinitrophenol	0.100	0.163	0.050	63.0	
4-Nitrophenol	0.290	0.320	0.050	10.3	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG No.: Q3534
Instrument ID: BNA_P
Calibration Date/Time: 11/06/2025 13:25
Lab File ID: BP026076.D
Init. Calib. Date(s): 10/29/2025 10/29/2025
EPA Sample No.: SSTDCCC040
Init. Calib. Time(s): 09:26 14:13
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.822	1.807		-0.8	
2,4-Dinitrotoluene	0.347	0.457		31.7	
Diethylphthalate	1.463	1.583		8.2	
4-Chlorophenyl-phenylether	0.713	0.715		0.3	
Fluorene	1.427	1.426		-0.1	
4-Nitroaniline	0.311	0.370		19.0	
4,6-Dinitro-2-methylphenol	0.077	0.118		53.2	
n-Nitrosodiphenylamine	0.625	0.630		0.8	20.0
2,4,6-Tribromophenol	0.216	0.269		24.5	
4-Bromophenyl-phenylether	0.222	0.234		5.4	
Hexachlorobenzene	0.253	0.263		4.0	
Atrazine	0.211	0.225		6.6	
Pentachlorophenol	0.154	0.279		81.2	20.0
Phenanthrene	1.164	1.150		-1.2	
Anthracene	1.154	1.161		0.6	
Carbazole	1.092	1.111		1.7	
Di-n-butylphthalate	1.222	1.385		13.3	
Fluoranthene	1.358	1.381		1.7	20.0
Pyrene	1.353	1.393		3.0	
Terphenyl-d14	0.984	1.000		1.6	
Butylbenzylphthalate	0.432	0.602		39.4	
3,3-Dichlorobenzidine	0.443	0.501		13.1	
Benzo(a)anthracene	1.374	1.388		1.0	
Chrysene	1.302	1.300		-0.2	
Bis(2-ethylhexyl)phthalate	0.718	0.917		27.7	
Di-n-octyl phthalate	1.191	1.618		35.9	20.0
Benzo(b)fluoranthene	1.242	1.252		0.8	
Benzo(k)fluoranthene	1.268	1.227		-3.2	
Benzo(a)pyrene	1.141	1.157		1.4	20.0
Indeno(1,2,3-cd)pyrene	1.476	1.509		2.2	
Dibenzo(a,h)anthracene	1.202	1.237		2.9	
Benzo(g,h,i)perylene	1.156	1.168		1.0	
1,2,4,5-Tetrachlorobenzene	0.621	0.622		0.2	
1,4-Dioxane	0.511	0.507		-0.8	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.411		24.5	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Sample Results: **BP026076.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026076.D
Acq On : 06 Nov 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 14:05:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	311598	20.000	ng		0.00
21) Naphthalene-d8	10.454	136	1312781	20.000	ng		0.00
39) Acenaphthene-d10	14.325	164	873597	20.000	ng		0.00
64) Phenanthrene-d10	17.142	188	1797854	20.000	ng		0.02
76) Chrysene-d12	21.583	240	1874908	20.000	ng		0.02
86) Perylene-d12	24.918	264	2125998	20.000	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	1578999	83.617	ng		0.00
7) Phenol-d6	6.855	99	2060116	85.713	ng		0.00
23) Nitrobenzene-d5	8.819	82	1854380	88.059	ng		0.00
42) 2,4,6-Tribromophenol	15.836	330	939137	99.438	ng		0.00
45) 2-Fluorobiphenyl	12.931	172	4707010	77.423	ng		0.00
79) Terphenyl-d14	19.866	244	7498778	81.258	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.231	88	315831	39.674	ng		96
3) Pyridine	3.619	79	914435	40.407	ng		97
4) n-Nitrosodimethylamine	3.531	42	347575	38.321	ng		91
6) Aniline	7.013	93	1320790	41.175	ng		99
8) 2-Chlorophenol	7.255	128	922434	44.113	ng		98
9) Benzaldehyde	6.825	77	504106	40.347	ng		96
10) Phenol	6.878	94	1120533	41.994	ng		100
11) bis(2-Chloroethyl)ether	7.108	93	851047	40.414	ng		99
12) 1,3-Dichlorobenzene	7.572	146	976603	40.667	ng		98
13) 1,4-Dichlorobenzene	7.719	146	980811	40.395	ng		99
14) 1,2-Dichlorobenzene	8.031	146	938689	40.515	ng		99
15) Benzyl Alcohol	7.913	79	763539	44.066	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.196	45	1214098	38.148	ng		98
17) 2-Methylphenol	8.113	107	745375	42.660	ng		99
18) Hexachloroethane	8.755	117	354631	42.683	ng		99
19) n-Nitroso-di-n-propyla...	8.478	70	648418	43.460	ng		96
20) 3+4-Methylphenols	8.437	107	1051061	43.241	ng		98
22) Acetophenone	8.490	105	1337216	40.276	ng	#	97
24) Nitrobenzene	8.860	77	944717	42.489	ng		97
25) Isophorone	9.390	82	1924747	42.702	ng		99
26) 2-Nitrophenol	9.560	139	473336	57.288	ng		98
27) 2,4-Dimethylphenol	9.631	122	780509	41.178	ng		98
28) bis(2-Chloroethoxy)met...	9.866	93	1170121	41.192	ng		100
29) 2,4-Dichlorophenol	10.107	162	891026	44.521	ng		99
30) 1,2,4-Trichlorobenzene	10.319	180	886448	40.751	ng		99
31) Naphthalene	10.507	128	2864494	40.013	ng		100
32) Benzoic acid	9.766	122	695488m	56.811	ng		
33) 4-Chloroaniline	10.601	127	1152089	41.880	ng		99
34) Hexachlorobutadiene	10.801	225	564331	40.824	ng		99
35) Caprolactam	11.372	113	331015	47.099	ng		92
36) 4-Chloro-3-methylphenol	11.737	107	964629	45.979	ng		97
37) 2-Methylnaphthalene	12.125	142	2096803	41.848	ng		98
38) 1-Methylnaphthalene	12.337	142	2023436	41.569	ng		98
40) 1,2,4,5-Tetrachloroben...	12.501	216	1087205	40.053	ng		99
41) Hexachlorocyclopentadiene	12.484	237	488914	49.229	ng		97
43) 2,4,6-Trichlorophenol	12.737	196	752822	46.922	ng		99

Sample Results: **BP026076.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026076.D
Acq On : 06 Nov 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

Quant Time: Nov 06 14:05:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.813	196	830001	45.337 ng	99
46) 1,1'-Biphenyl	13.148	154	2642130	39.499 ng	100
47) 2-Chloronaphthalene	13.184	162	2091211	39.734 ng	99
48) 2-Nitroaniline	13.372	65	603262	44.750 ng	99
49) Acenaphthylene	14.037	152	3093728	40.331 ng	100
50) Dimethylphthalate	13.772	163	2713959	42.710 ng	99
51) 2,6-Dinitrotoluene	13.890	165	538902	45.582 ng	97
52) Acenaphthene	14.384	154	2036201	38.666 ng	99
53) 3-Nitroaniline	14.219	138	632150	44.369 ng	98
54) 2,4-Dinitrophenol	14.431	184	285649	58.251 ng	95
55) Dibenzofuran	14.725	168	3157740	39.688 ng	99
56) 4-Nitrophenol	14.531	139	559018	44.118 ng	98
57) 2,4-Dinitrotoluene	14.695	165	798216	45.938 ng	88
58) Fluorene	15.395	166	2491275	39.967 ng	99
59) 2,3,4,6-Tetrachlorophenol	14.960	232	717565	49.851 ng	99
60) Diethylphthalate	15.166	149	2766137	43.300 ng	100
61) 4-Chlorophenyl-phenyle...	15.389	204	1249593	40.144 ng	97
62) 4-Nitroaniline	15.395	138	646745	47.630 ng	96
63) Azobenzene	15.689	77	2306111	39.832 ng	97
65) 4,6-Dinitro-2-methylph...	15.472	198	423210	55.466 ng	93
66) n-Nitrosodiphenylamine	15.607	169	2265581	40.304 ng	99
67) 4-Bromophenyl-phenylether	16.307	248	840472	42.144 ng	97
68) Hexachlorobenzene	16.425	284	944341	41.596 ng	100
69) Atrazine	16.589	200	809917	42.711 ng	99
70) Pentachlorophenol	16.778	266	1002391	72.285 ng	99
71) Phenanthrene	17.183	178	4133609	39.502 ng	100
72) Anthracene	17.272	178	4175469	40.254 ng	99
73) Carbazole	17.548	167	3994788	40.684 ng	100
74) Di-n-butylphthalate	18.166	149	4981360	45.338 ng	100
75) Fluoranthene	19.272	202	4965550	40.678 ng	99
77) Benzidine	19.466	184	2165515	45.504 ng	99
78) Pyrene	19.648	202	5223256	41.190 ng	99
80) Butylbenzylphthalate	20.607	149	2256439	47.684 ng	100
81) Benzo(a)anthracene	21.566	228	5205313	40.402 ng	100
82) 3,3'-Dichlorobenzidine	21.489	252	1877270	45.223 ng	100
83) Chrysene	21.636	228	4874494	39.940 ng	100
84) Bis(2-ethylhexyl)phtha...	21.524	149	3440370	45.664 ng	99
85) Di-n-octyl phthalate	22.813	149	6066347	54.353 ng	97
87) Indeno(1,2,3-cd)pyrene	28.706	276	6415730	40.876 ng	99
88) Benzo(b)fluoranthene	23.877	252	5321865	40.323 ng	100
89) Benzo(k)fluoranthene	23.936	252	5218308	38.719 ng	99
90) Benzo(a)pyrene	24.765	252	4918962	40.569 ng	99
91) Dibenzo(a,h)anthracene	28.801	278	5260623	41.186 ng	99
92) Benzo(g,h,i)perylene	29.889	276	4966212	40.404 ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BP026076.D**

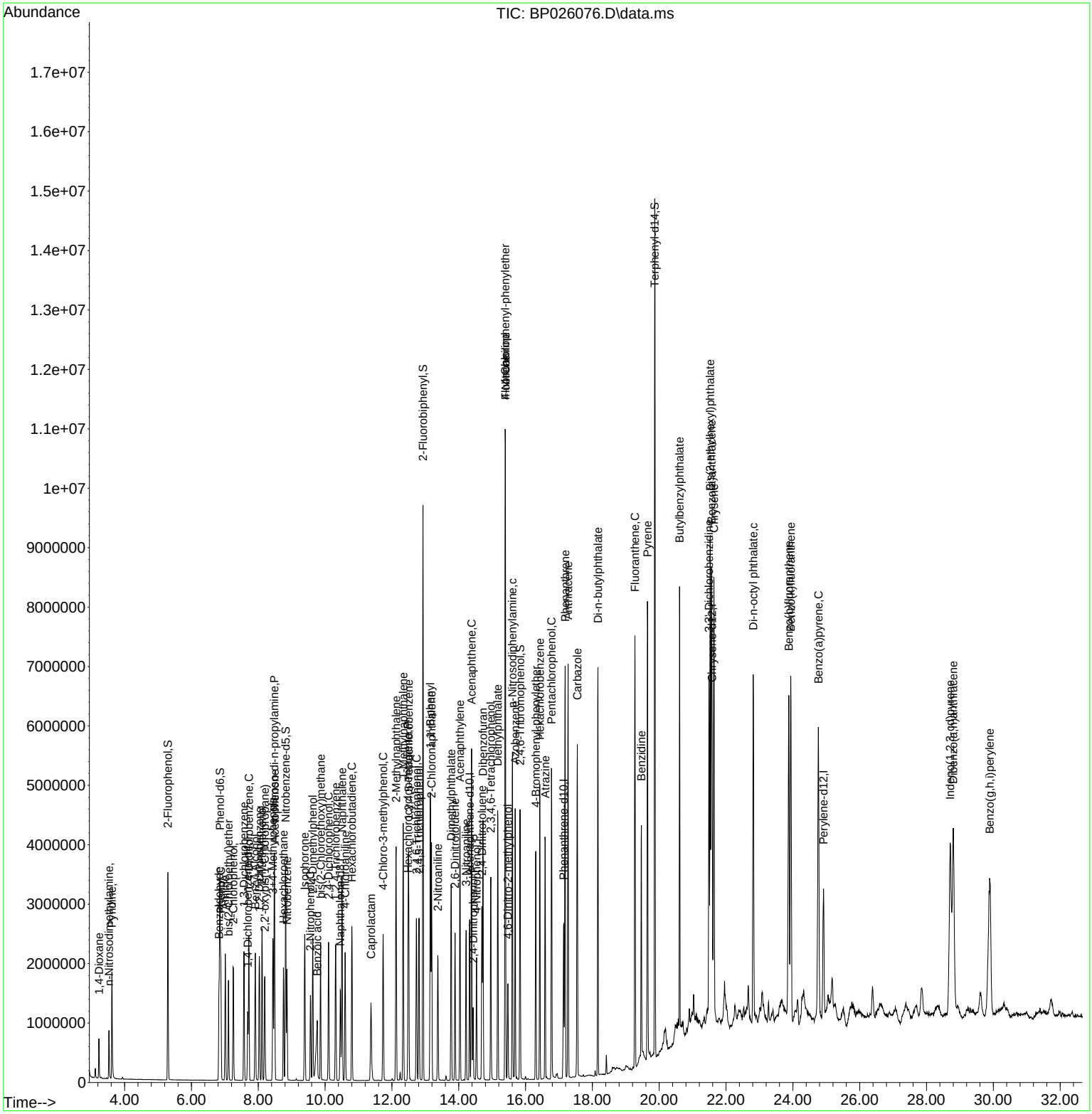
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026076.D
Acq On : 06 Nov 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

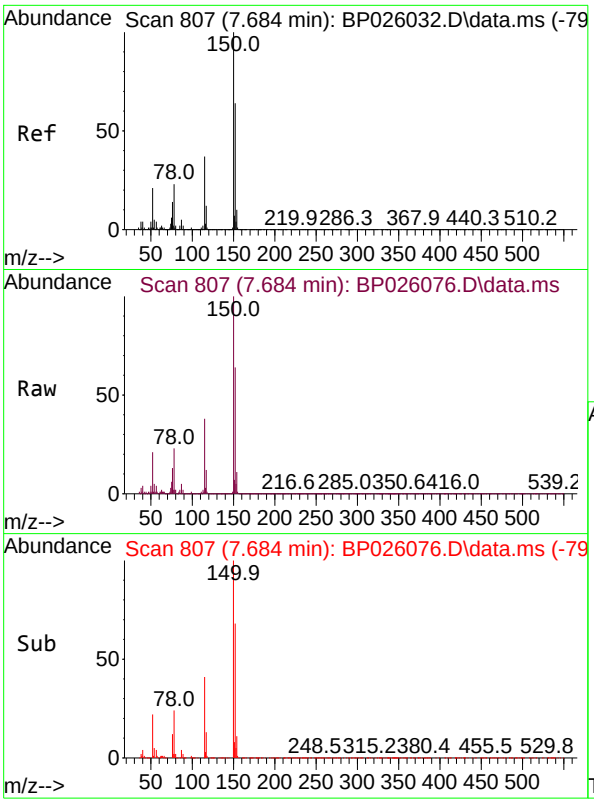
Quant Time: Nov 06 14:05:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

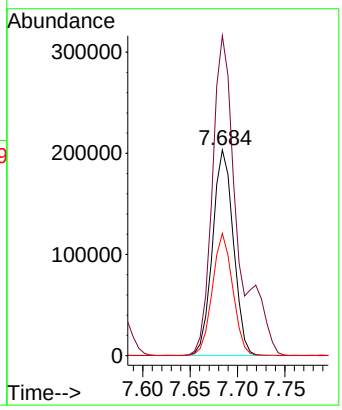
Tgt Ion:152 Resp: 311598

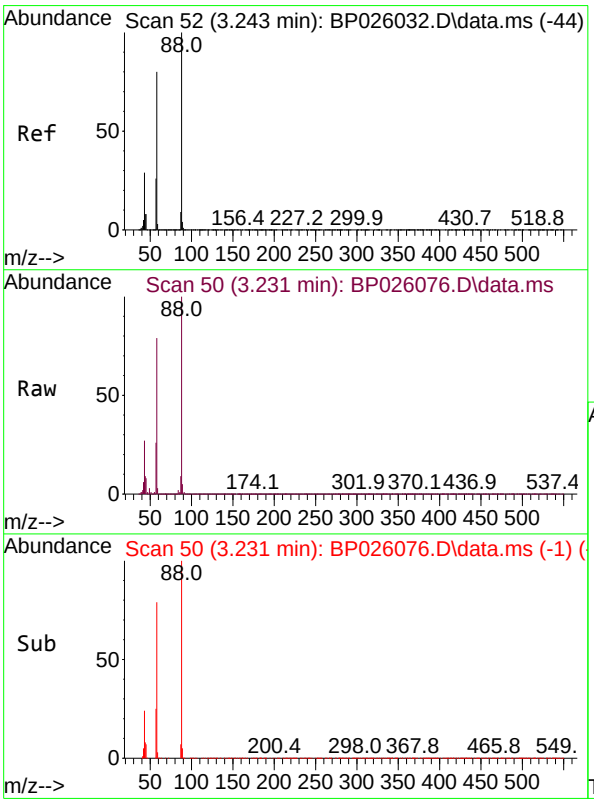
Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.7	188.5
115	59.5	46.4	69.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

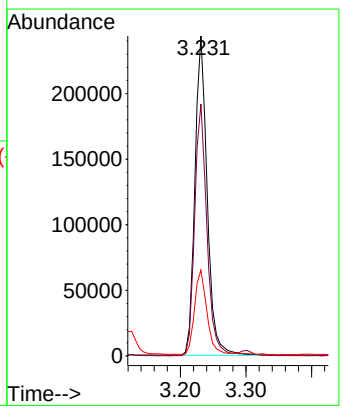


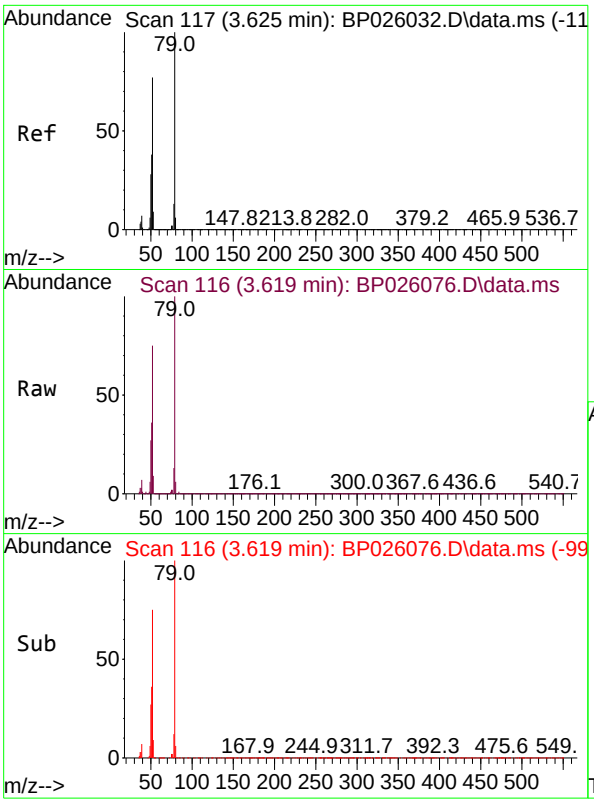


#2
1,4-Dioxane
Concen: 39.674 ng
RT: 3.231 min Scan# 50
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 88 Resp: 315831

Ion	Ratio	Lower	Upper
88	100		
58	78.6	65.4	98.0
43	26.8	23.1	34.7





#3
Pyridine
Concen: 40.407 ng
RT: 3.619 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

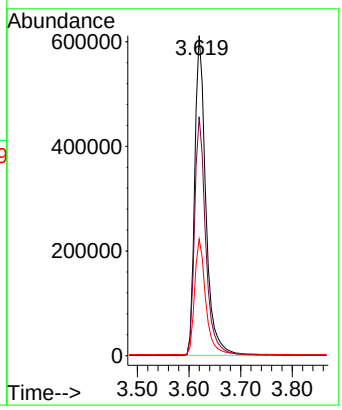
Tgt Ion: 79 Resp: 91443

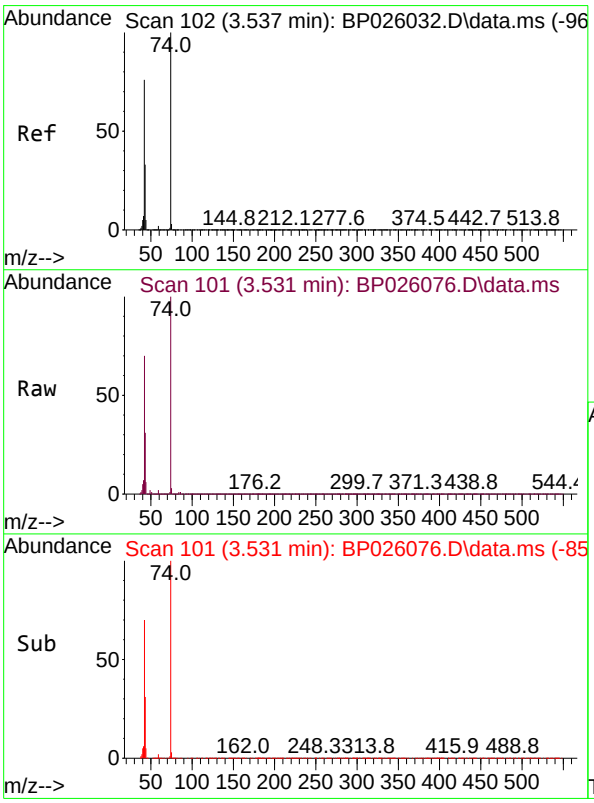
Ion	Ratio	Lower	Upper
79	100		
52	74.6	62.0	93.0
51	36.4	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

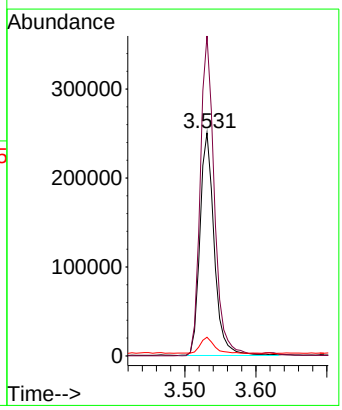


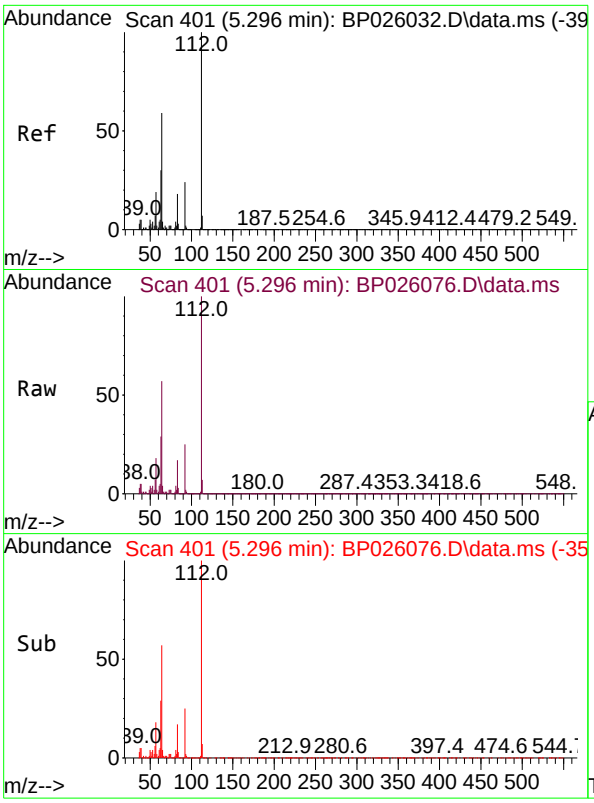


#4
n-Nitrosodimethylamine
Concen: 38.321 ng
RT: 3.531 min Scan# 101
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 42 Resp: 347575

Ion	Ratio	Lower	Upper
42	100		
74	143.5	105.7	158.5
44	8.3	6.6	9.8





#5
2-Fluorophenol
Concen: 83.617 ng
RT: 5.296 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:112 Resp: 1578999

Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.4	71.2
63	29.0	24.2	36.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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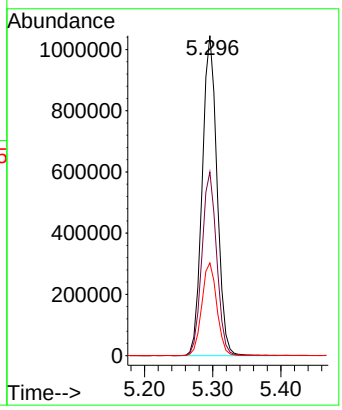
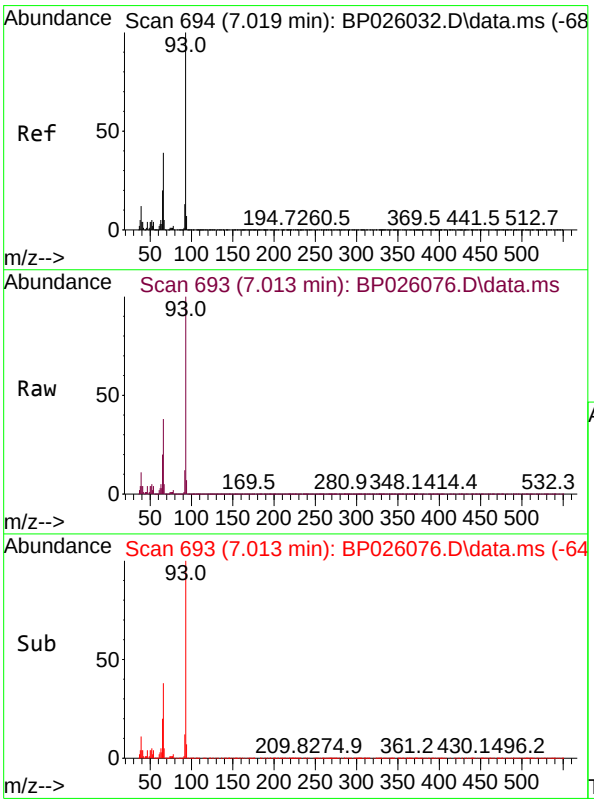
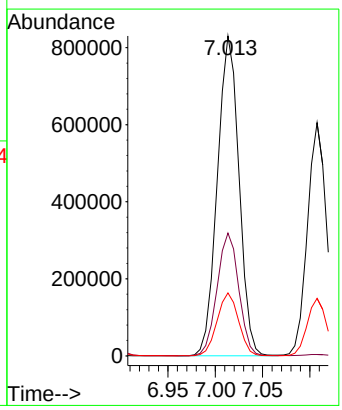


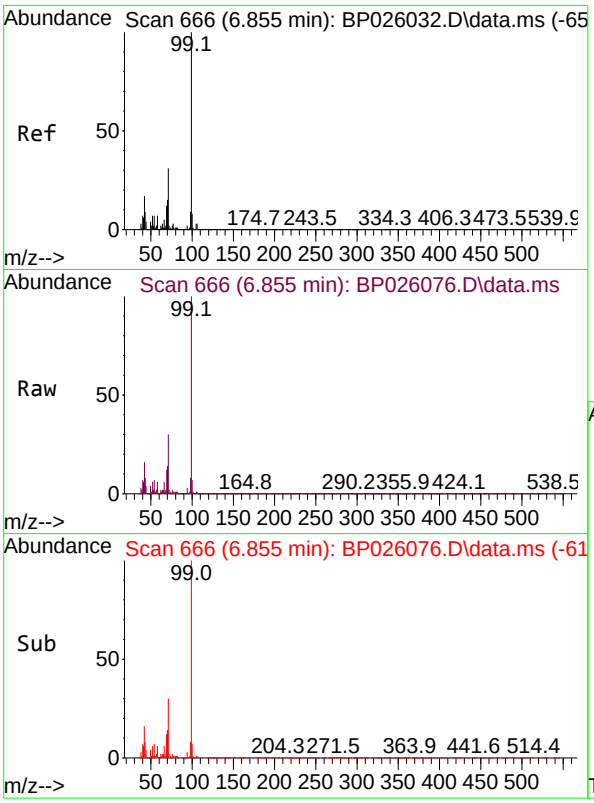


#6
Aniline
Concen: 41.175 ng
RT: 7.013 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 93 Resp: 1320790

Ion	Ratio	Lower	Upper
93	100		
66	38.4	31.2	46.8
65	19.7	16.1	24.1





#7
Phenol-d6
Concen: 85.713 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 99 Resp: 206011

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.7	20.5
71	30.3	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
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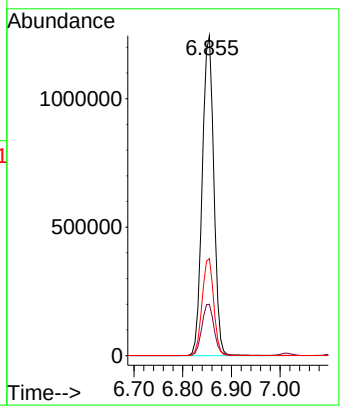
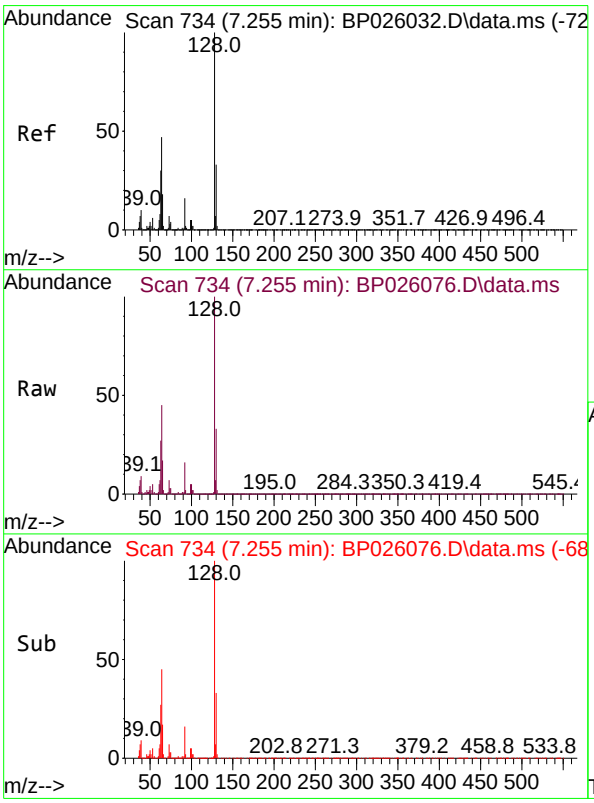
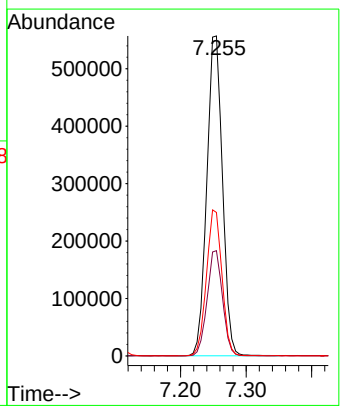


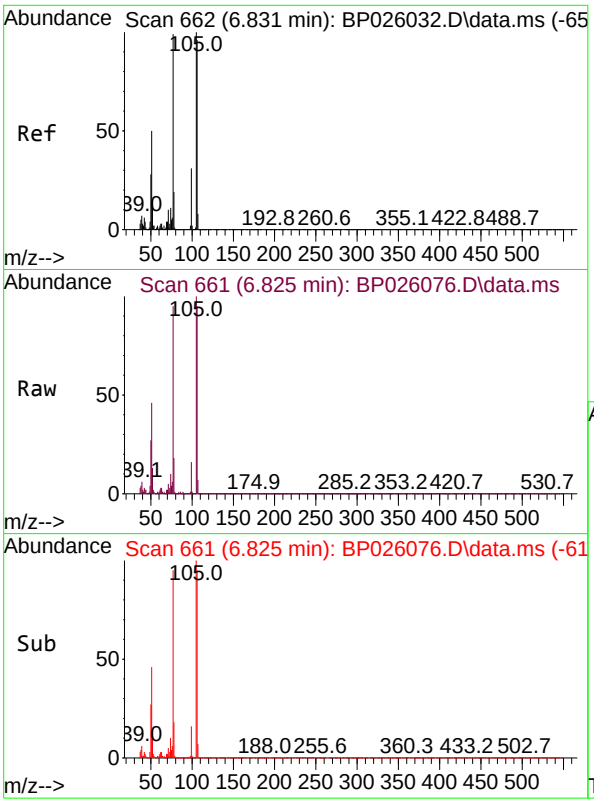


#8
2-Chlorophenol
Concen: 44.113 ng
RT: 7.255 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:128 Resp: 922434

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.7	52.7
64	44.8	27.4	67.4





#9
Benzaldehyde
Concen: 40.347 ng
RT: 6.825 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 77 Resp: 504106

Ion	Ratio	Lower	Upper
77	100		
105	105.7	80.7	120.7
106	100.0	76.5	116.5

Instrument :
BNA_P
ClientSampleId :
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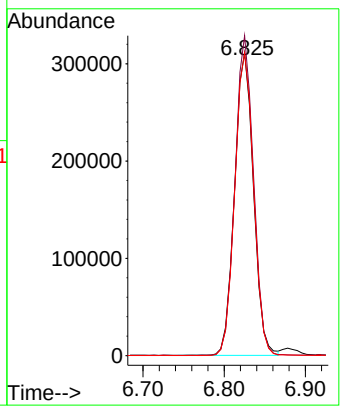
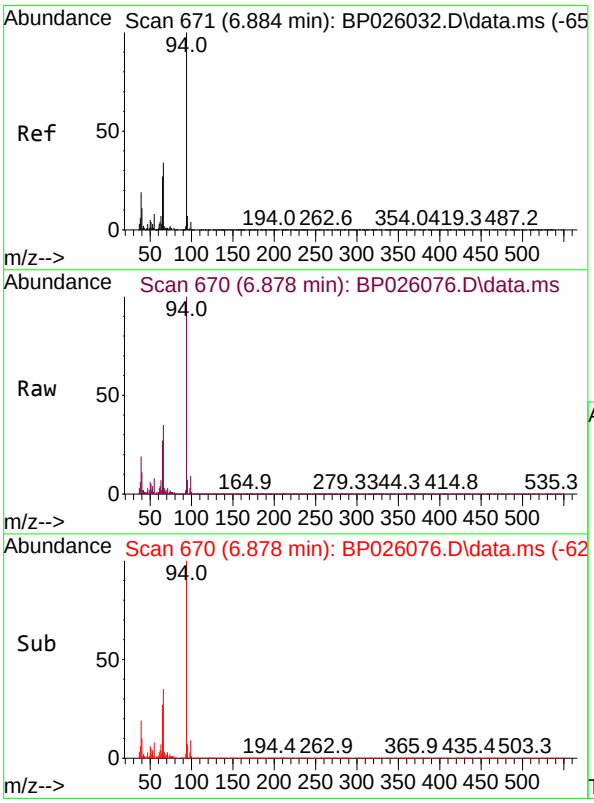
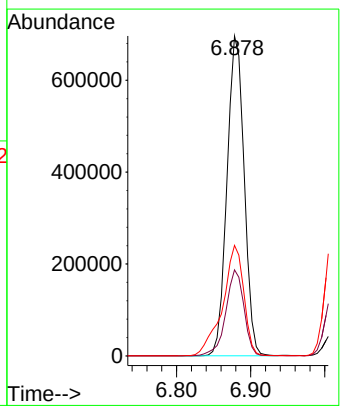


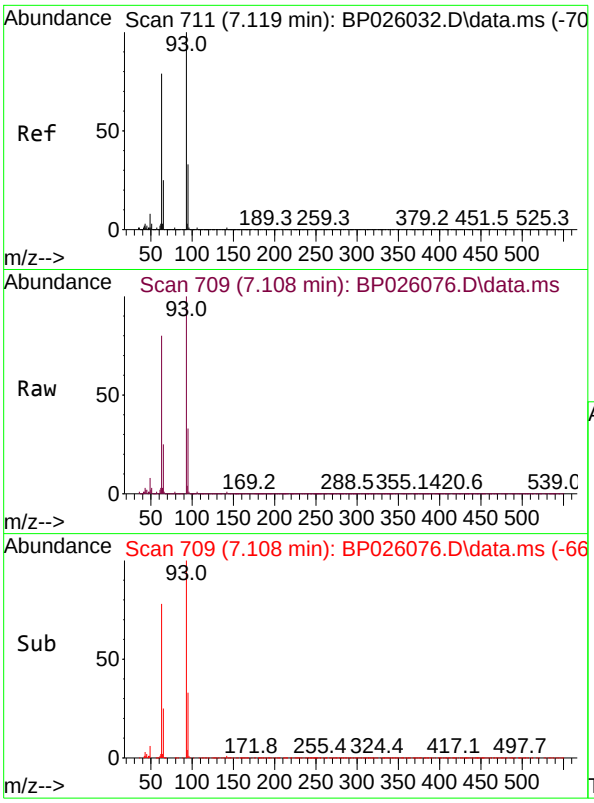


#10
Phenol
Concen: 41.994 ng
RT: 6.878 min Scan# 670
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 94 Resp: 1120533

Ion	Ratio	Lower	Upper
94	100		
65	26.9	7.1	47.1
66	34.5	14.4	54.4





#11
bis(2-Chloroethyl)ether
Concen: 40.414 ng
RT: 7.108 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 93 Resp: 85104

Ion	Ratio	Lower	Upper
93	100		
63	79.7	59.1	99.1
95	32.6	12.6	52.6

Instrument :
BNA_P
ClientSampleId :
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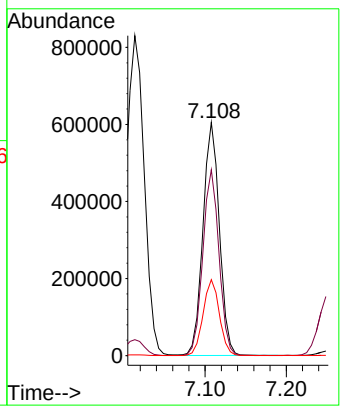
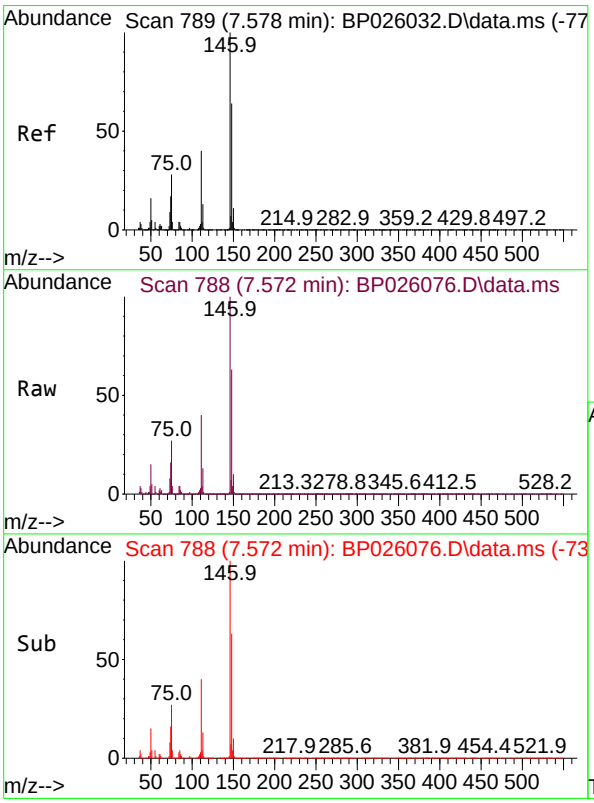
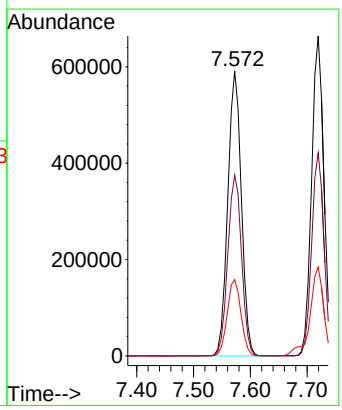


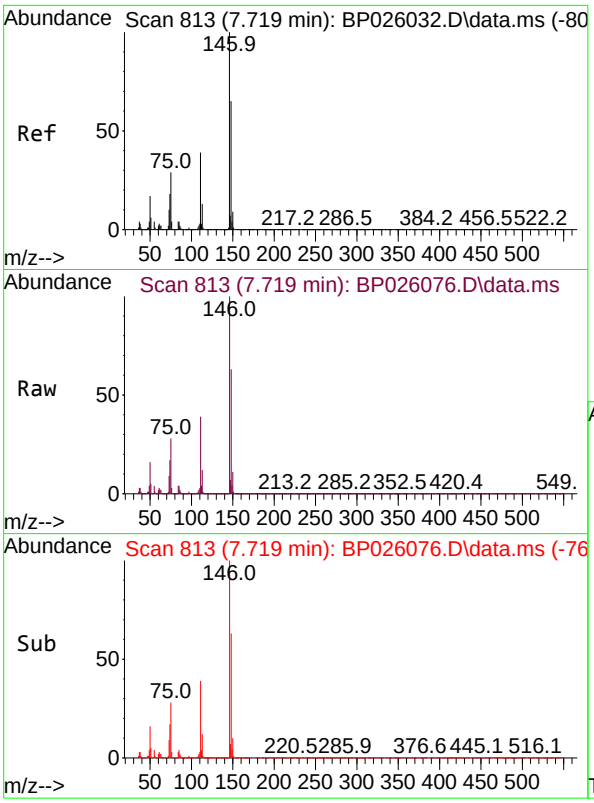


#12
1,3-Dichlorobenzene
Concen: 40.667 ng
RT: 7.572 min Scan# 788
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:146 Resp: 976603

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.6	77.4
75	26.8	22.6	33.8





#13
1,4-Dichlorobenzene
Concen: 40.395 ng
RT: 7.719 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:146 Resp: 98081

Ion	Ratio	Lower	Upper
146	100		
148	63.5	52.2	78.2
111	39.3	31.3	46.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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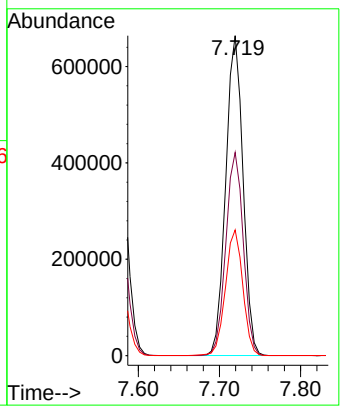
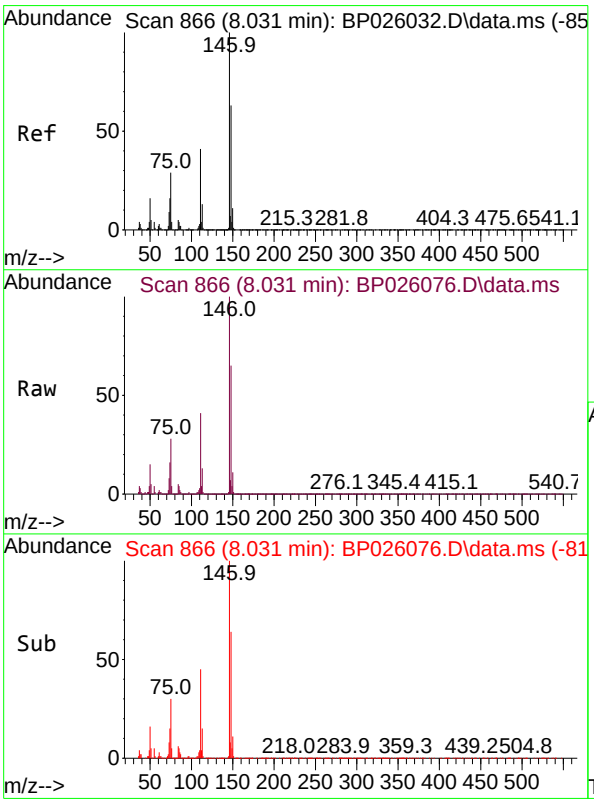
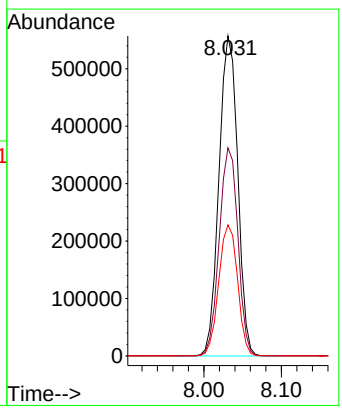


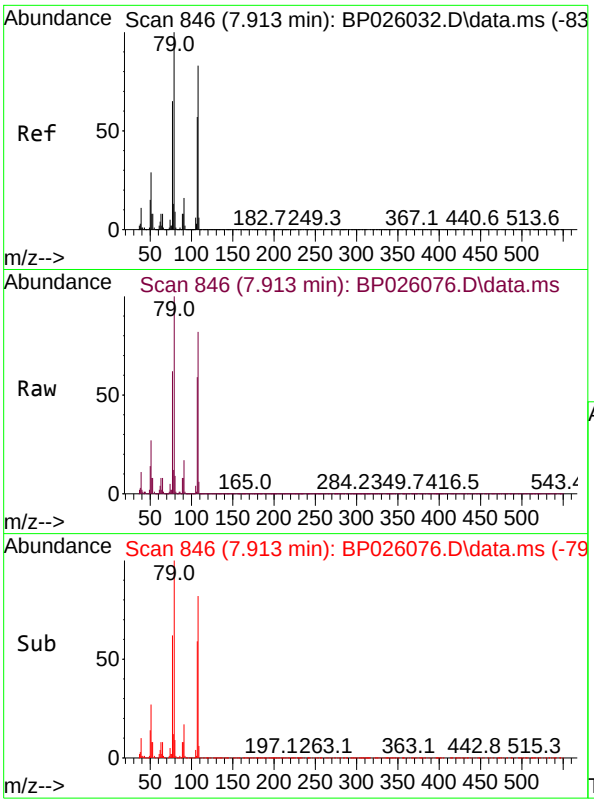


#14
1,2-Dichlorobenzene
Concen: 40.515 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:146 Resp: 938689

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.8	76.2
111	40.9	33.0	49.4





#15
Benzyl Alcohol
Concen: 44.066 ng
RT: 7.913 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 79 Resp: 763539

Ion	Ratio	Lower	Upper
79	100		
108	82.3	66.0	99.0
77	62.5	52.3	78.5

Instrument :
BNA_P
ClientSampleId :
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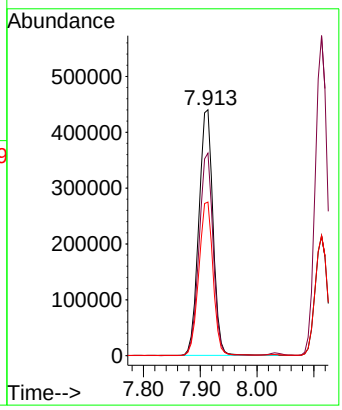
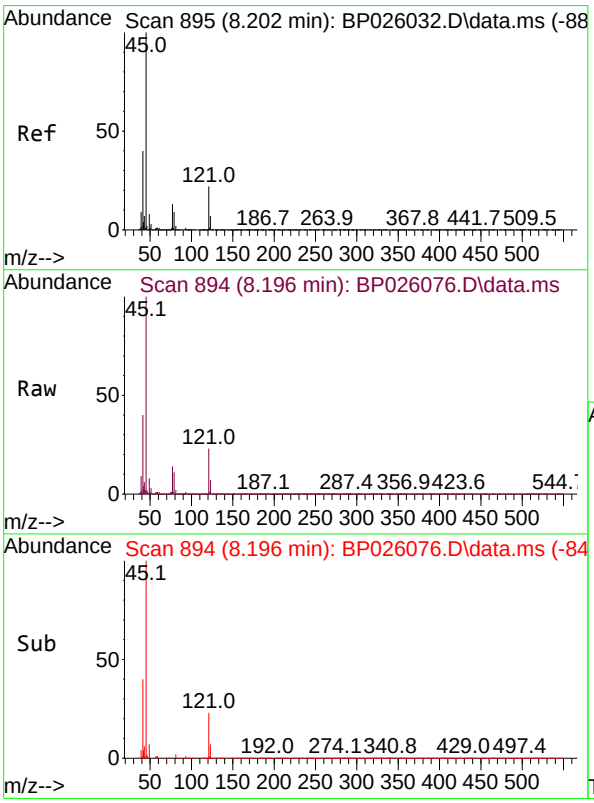
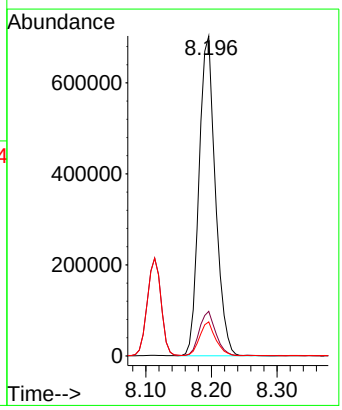


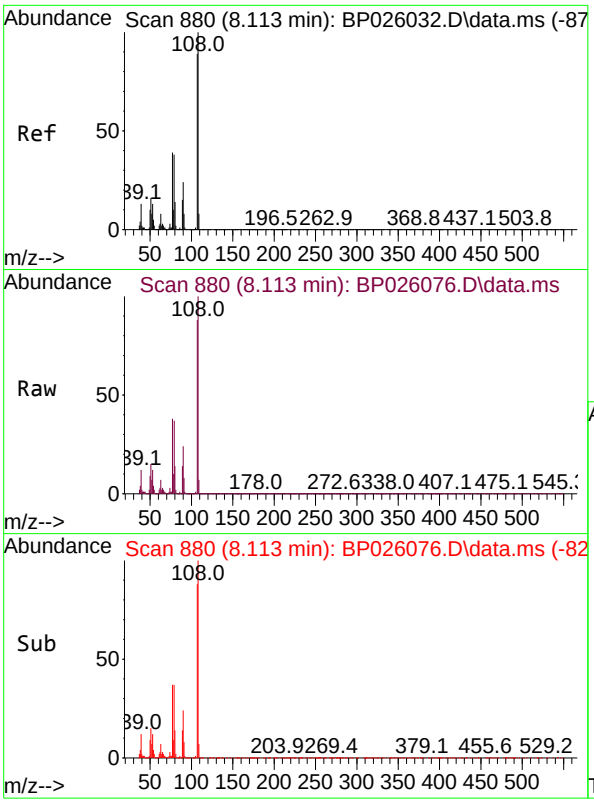


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.148 ng
RT: 8.196 min Scan# 894
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 45 Resp: 1214098

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.2
79	10.6	0.0	29.5

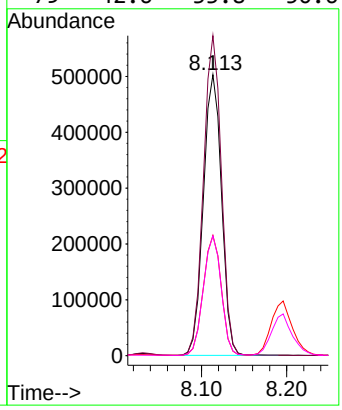




#17
2-Methylphenol
Concen: 42.660 ng
RT: 8.113 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:107 Resp: 74537

Ion	Ratio	Lower	Upper
107	100		
108	113.9	89.8	134.8
77	42.8	34.8	52.2
79	42.6	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
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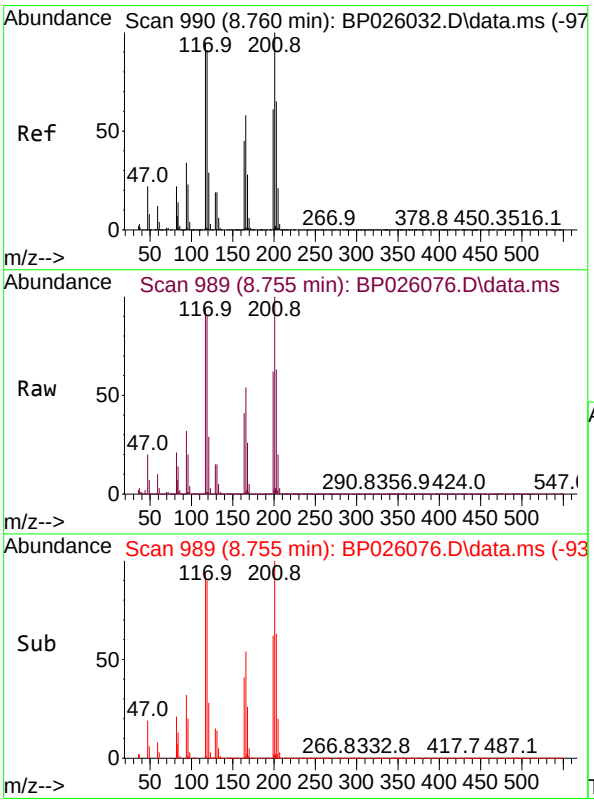
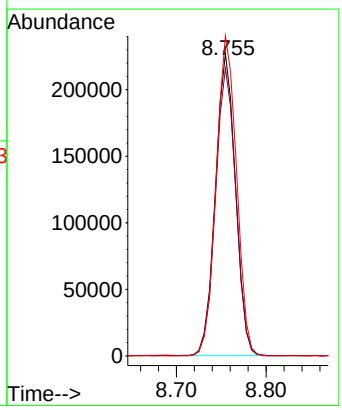
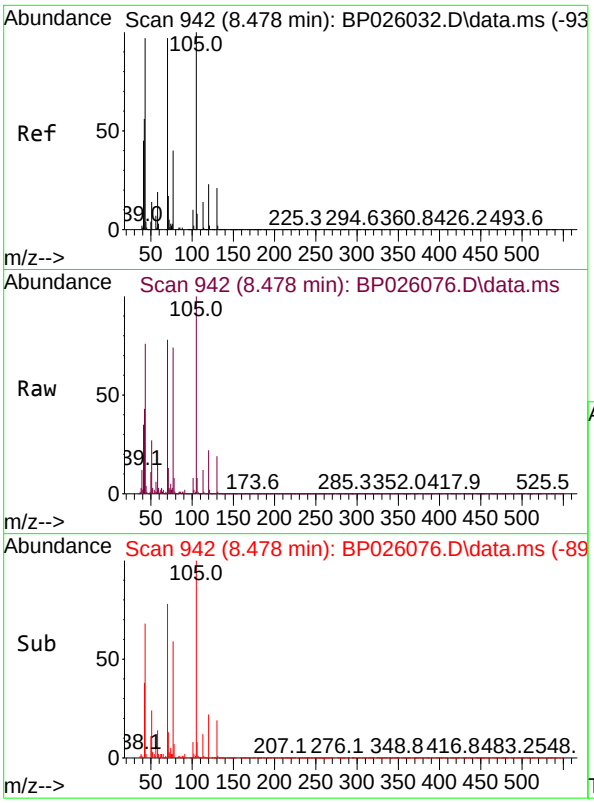


#18
Hexachloroethane
Concen: 42.683 ng
RT: 8.755 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:117 Resp: 354631

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.5	114.7
201	105.9	84.2	126.4





#19
n-Nitroso-di-n-propylamine
Concen: 43.460 ng
RT: 8.478 min Scan# 94
Delta R.T. -0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 70 Resp: 648418

Ion	Ratio	Lower	Upper
70	100		
42	55.2	47.2	70.8
101	10.3	8.2	12.2
130	23.9	17.7	26.5

Instrument :
BNA_P
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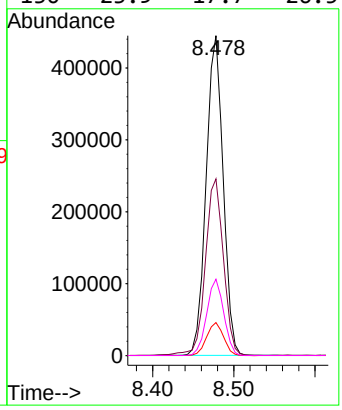
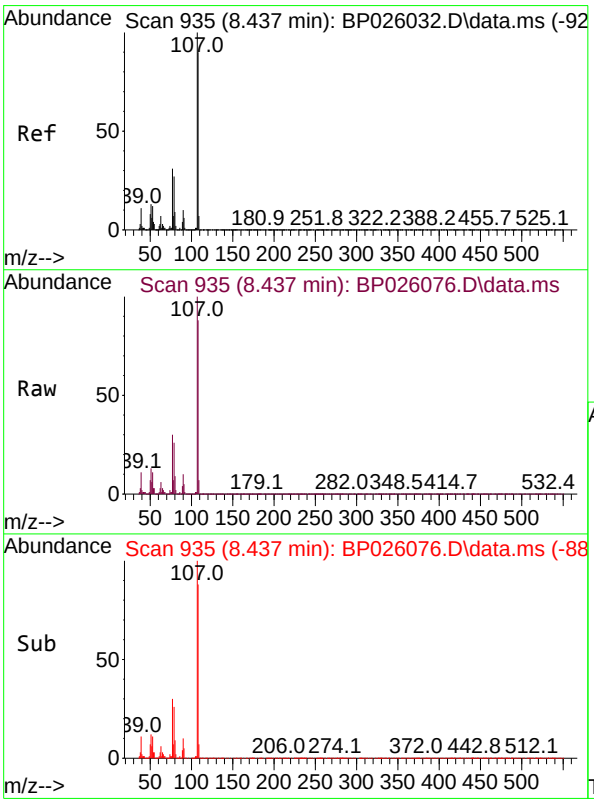
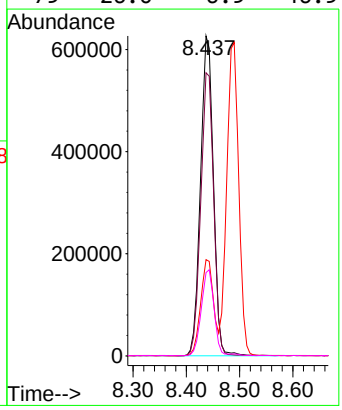


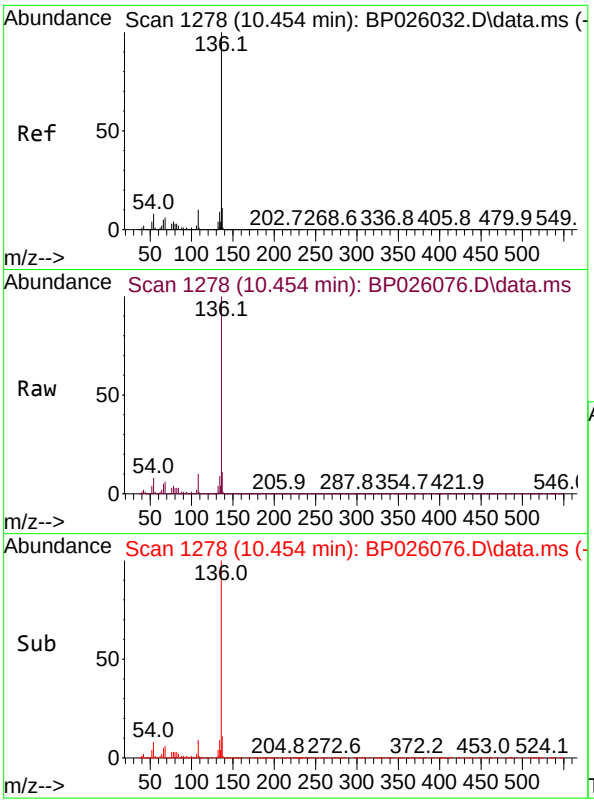


#20
3+4-Methylphenols
Concen: 43.241 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:107 Resp: 1051061

Ion	Ratio	Lower	Upper
107	100		
108	88.5	70.1	110.1
77	30.1	10.7	50.7
79	26.0	6.9	46.9

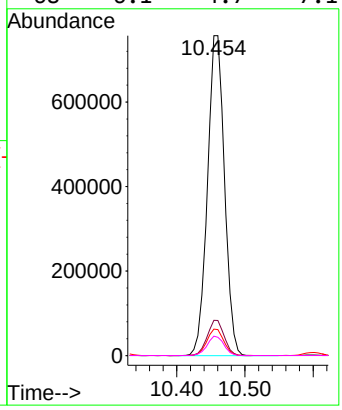




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:136 Resp: 131278

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.3	6.6	10.0
68	6.1	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
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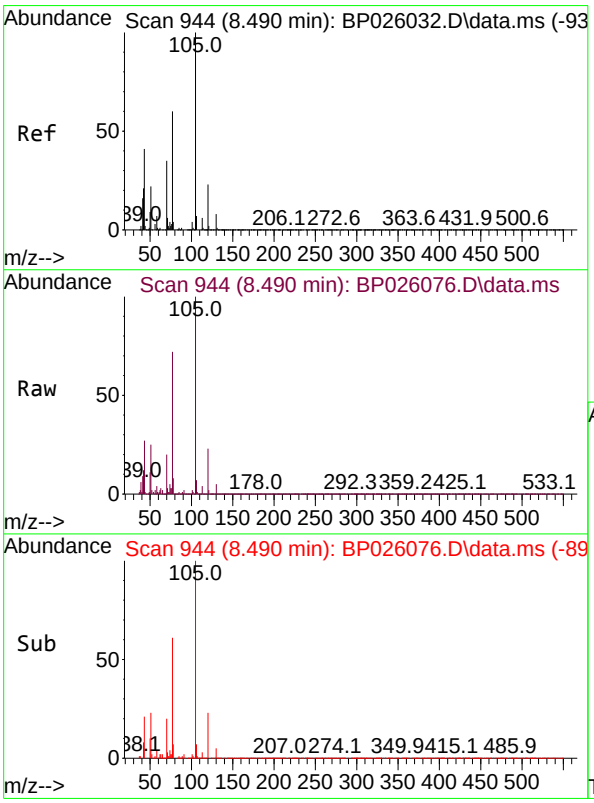
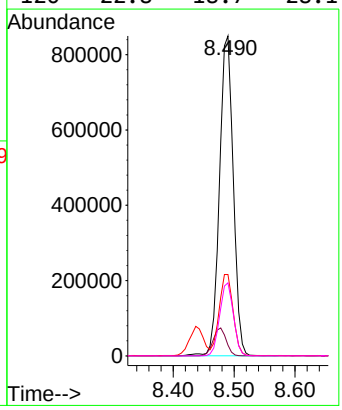
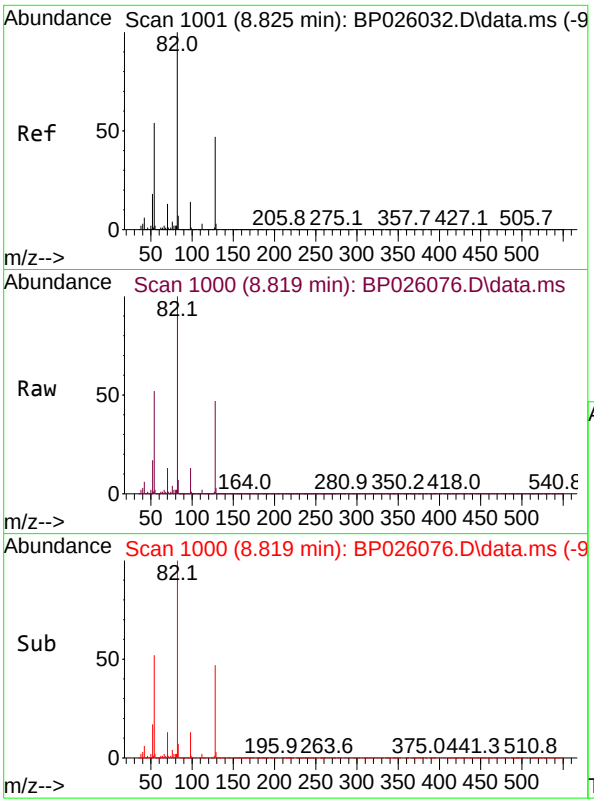


#22
Acetophenone
Concen: 40.276 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:105 Resp: 1337216

Ion	Ratio	Lower	Upper
105	100		
71	3.4	4.7	7.1#
51	25.4	21.8	32.8
120	22.8	18.7	28.1





#23
Nitrobenzene-d5
Concen: 88.059 ng
RT: 8.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 82 Resp: 185438

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.4	56.0
54	51.8	42.7	64.1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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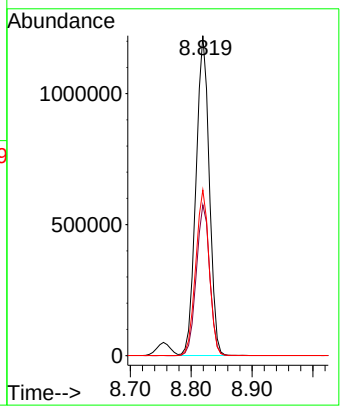
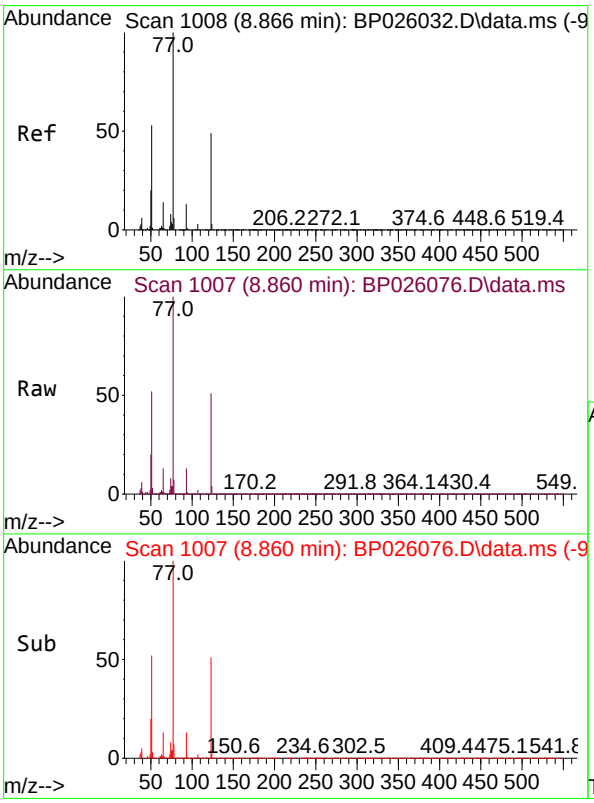
Supervised By :Jagrut Upadhyay 11/10/2025

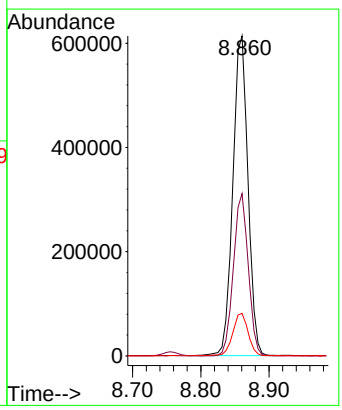


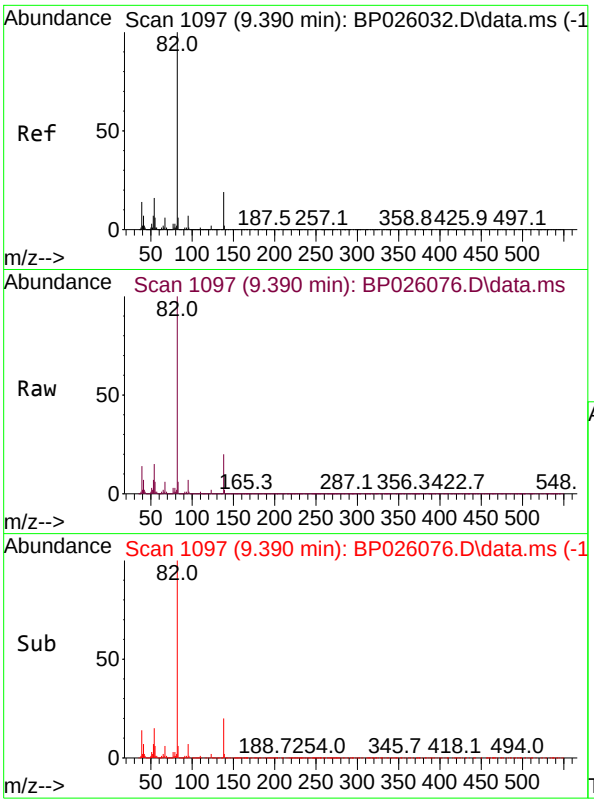


#24
Nitrobenzene
Concen: 42.489 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 77 Resp: 944717

Ion	Ratio	Lower	Upper
77	100		
123	50.7	39.0	58.4
65	13.3	10.9	16.3





#25
Isophorone
Concen: 42.702 ng
RT: 9.390 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 82 Resp: 192474

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.6
138	19.6	15.0	22.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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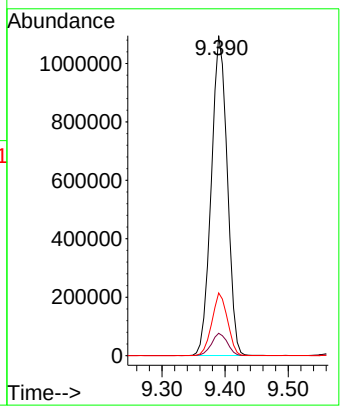
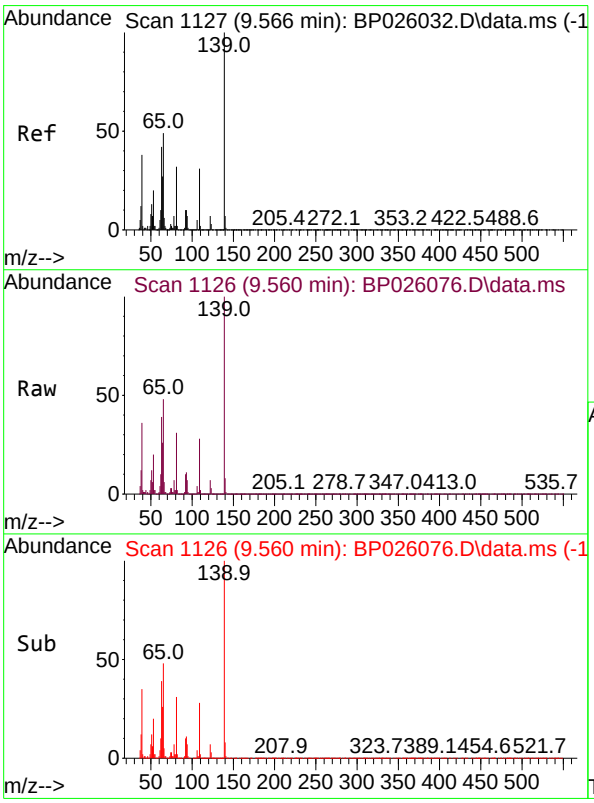
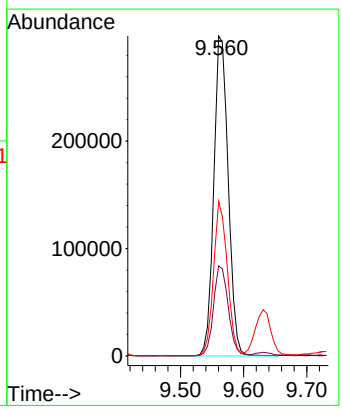


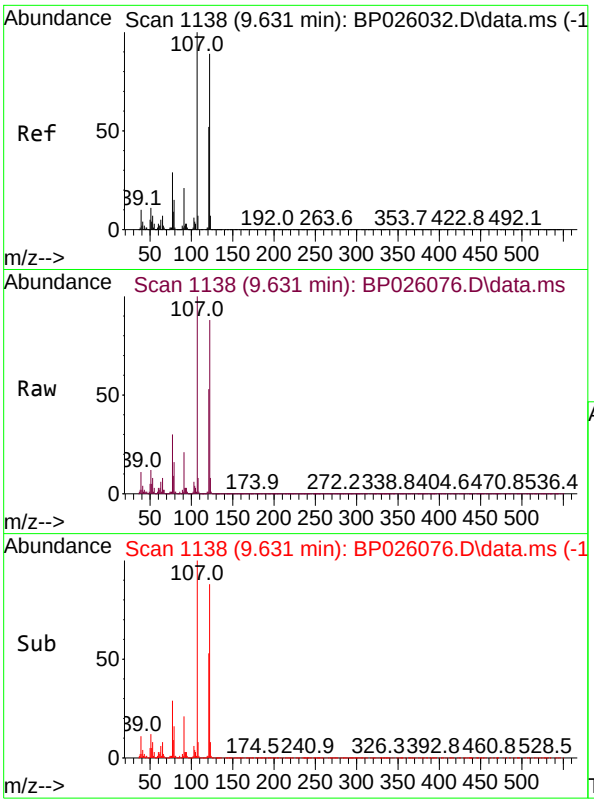


#26
2-Nitrophenol
Concen: 57.288 ng
RT: 9.560 min Scan# 1126
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:139 Resp: 473336

Ion	Ratio	Lower	Upper
139	100		
109	28.1	24.8	37.2
65	48.3	39.0	58.4





#27
2,4-Dimethylphenol
Concen: 41.178 ng
RT: 9.631 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:122 Resp: 780509

Ion	Ratio	Lower	Upper
122	100		
107	113.2	89.2	133.8
121	59.8	46.3	69.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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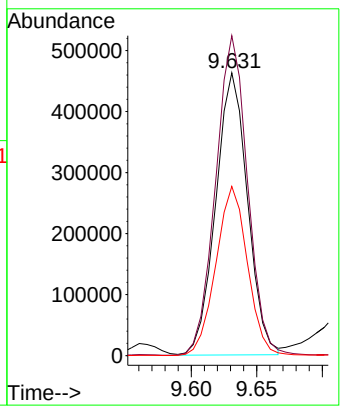
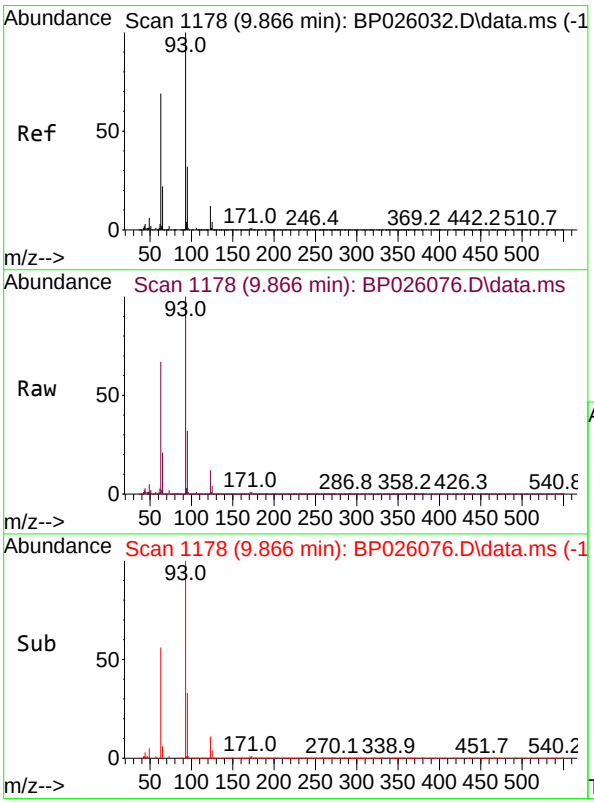
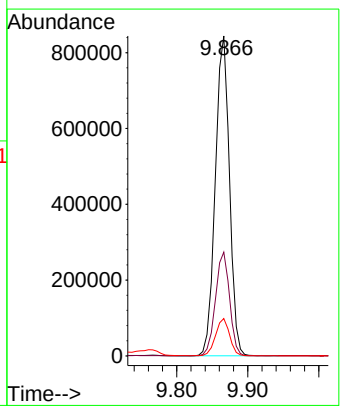


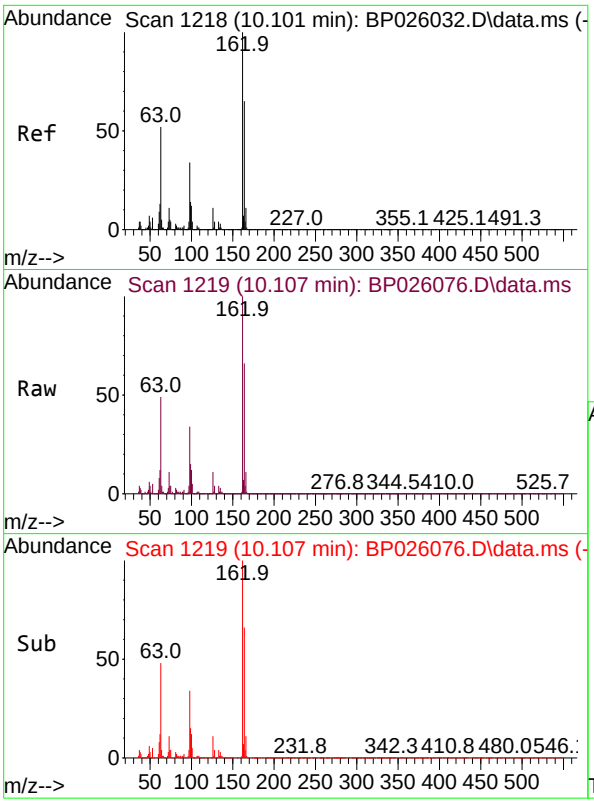


#28
bis(2-Chloroethoxy)methane
Concen: 41.192 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 93 Resp: 1170121

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.8	38.6
123	11.7	9.3	13.9





#29
2,4-Dichlorophenol
Concen: 44.521 ng
RT: 10.107 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:162 Resp: 89102

Ion	Ratio	Lower	Upper
162	100		
164	65.7	44.6	84.6
98	33.7	14.0	54.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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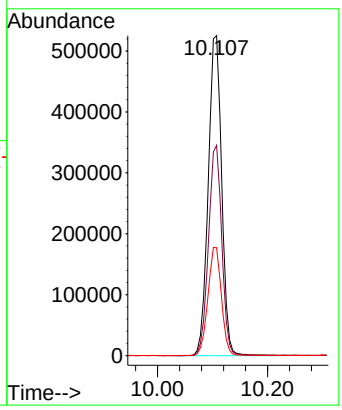
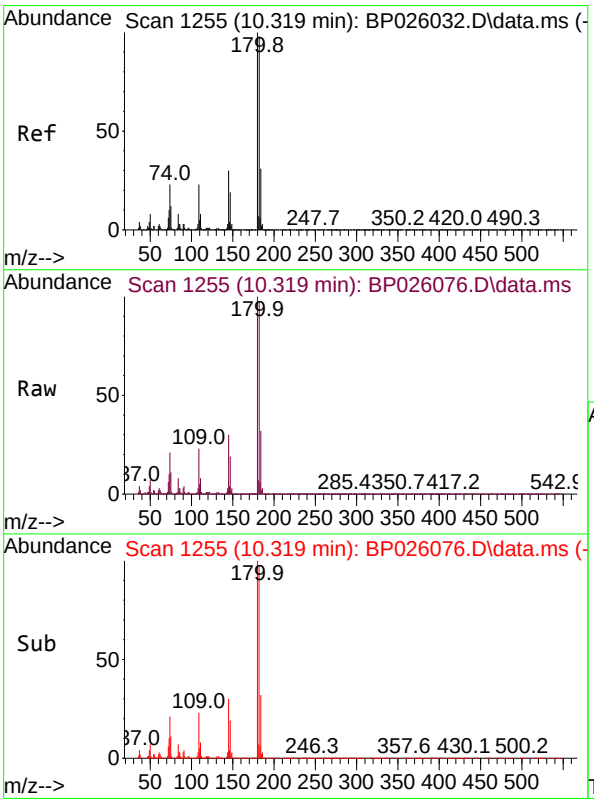
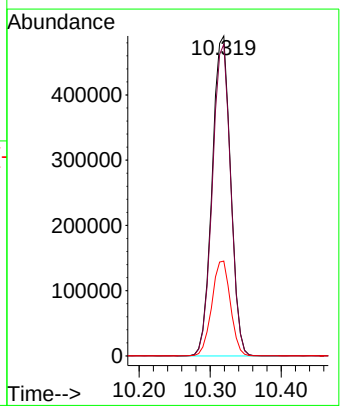


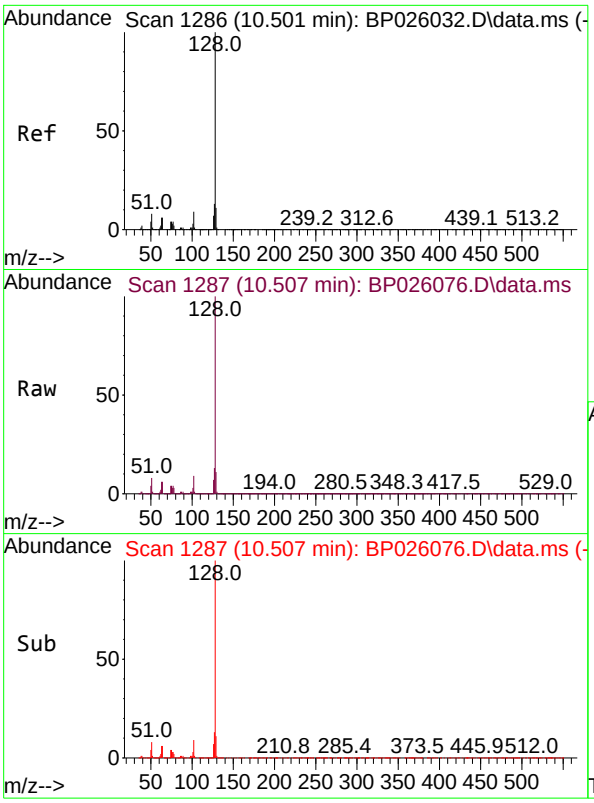


#30
1,2,4-Trichlorobenzene
Concen: 40.751 ng
RT: 10.319 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:180 Resp: 886448

Ion	Ratio	Lower	Upper
180	100		
182	97.4	78.6	117.8
145	29.6	24.2	36.4





#31
Naphthalene
Concen: 40.013 ng
RT: 10.507 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:128 Resp: 286449

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.3	10.5	15.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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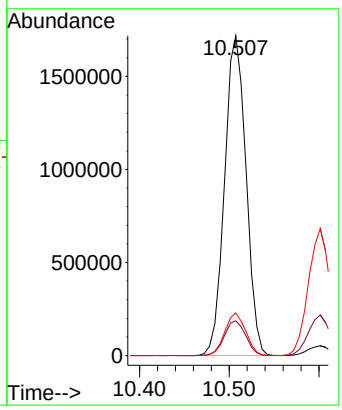
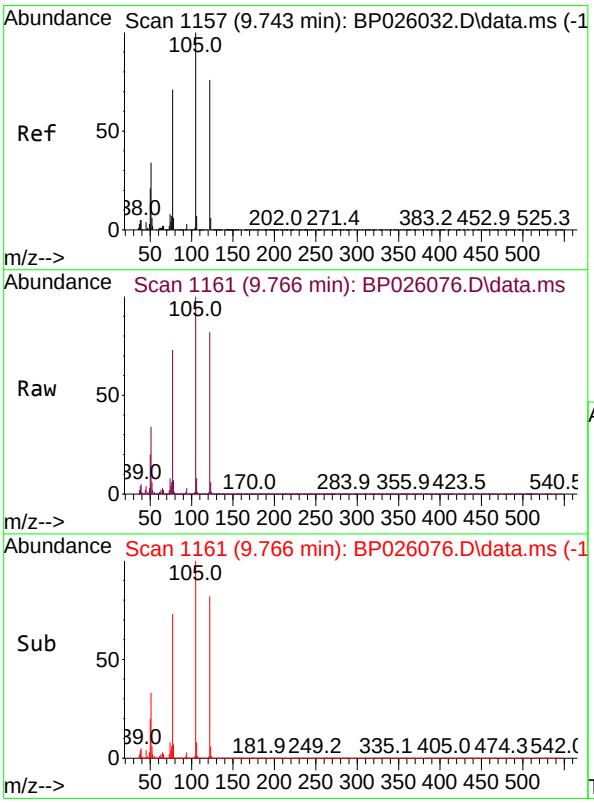
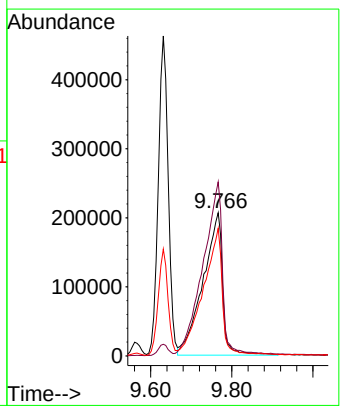


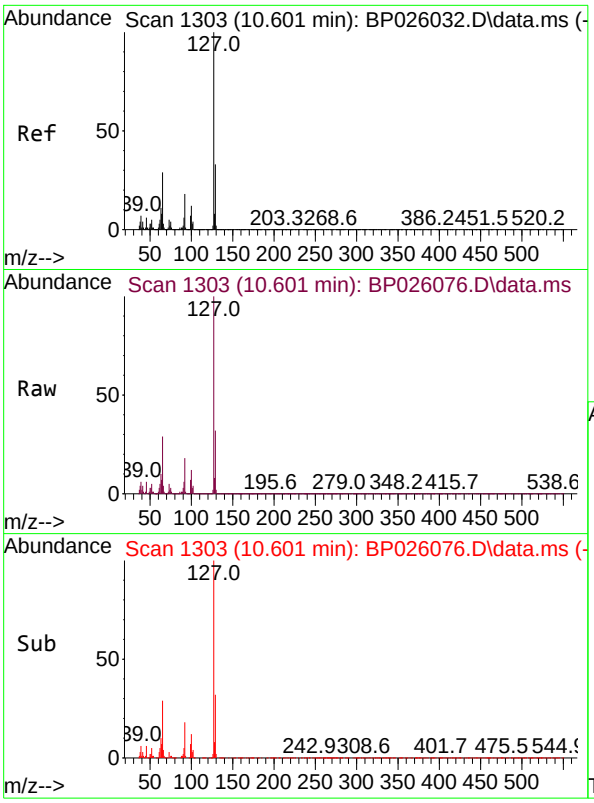


#32
Benzoic acid
Concen: 56.811 ng m
RT: 9.766 min Scan# 1161
Delta R.T. -0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:122 Resp: 695488

Ion	Ratio	Lower	Upper
122	100		
105	121.5	104.8	144.8
77	89.1	70.9	110.9





#33
4-Chloroaniline
Concen: 41.880 ng
RT: 10.601 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:127 Resp: 115208

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	28.8	23.2	34.8
92	17.7	14.5	21.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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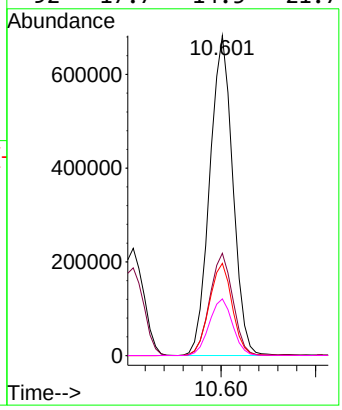
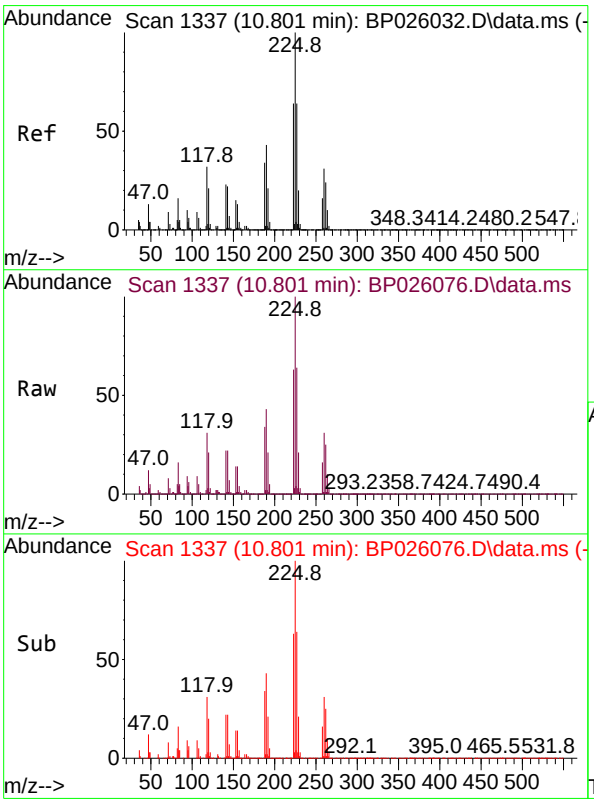
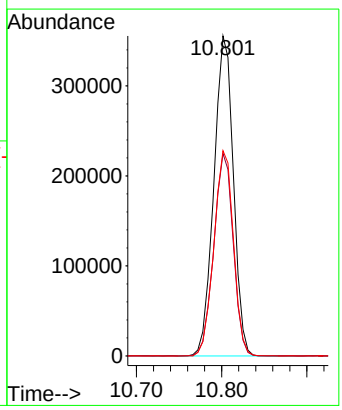


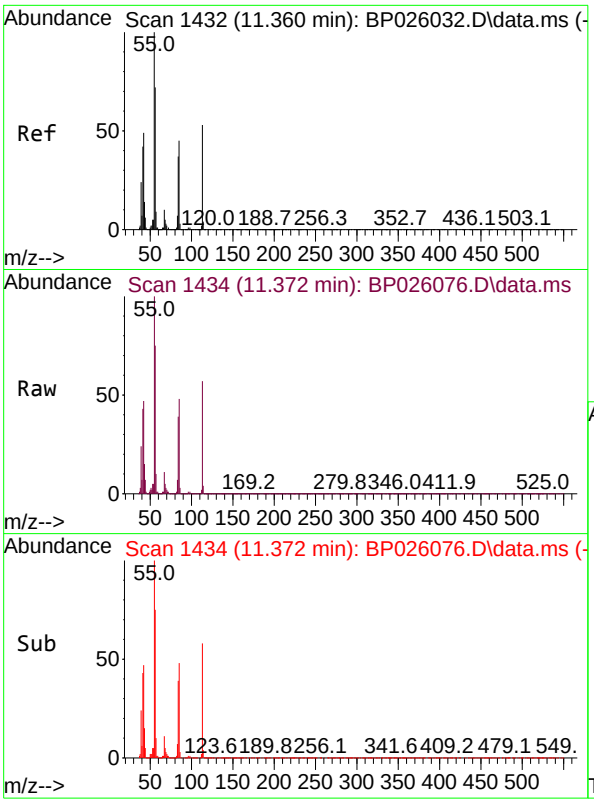


#34
Hexachlorobutadiene
Concen: 40.824 ng
RT: 10.801 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:225 Resp: 564331

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.9	76.3
227	64.1	51.0	76.4





#35
Caprolactam
Concen: 47.099 ng
RT: 11.372 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:113 Resp: 331015

Ion	Ratio	Lower	Upper
113	100		
55	173.9	169.9	209.9
56	131.0	116.7	156.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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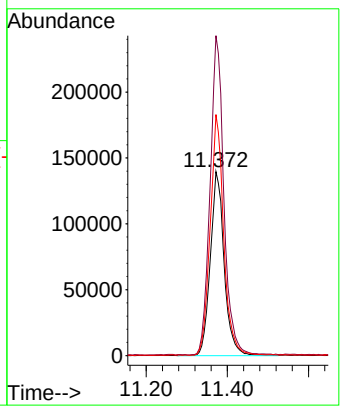
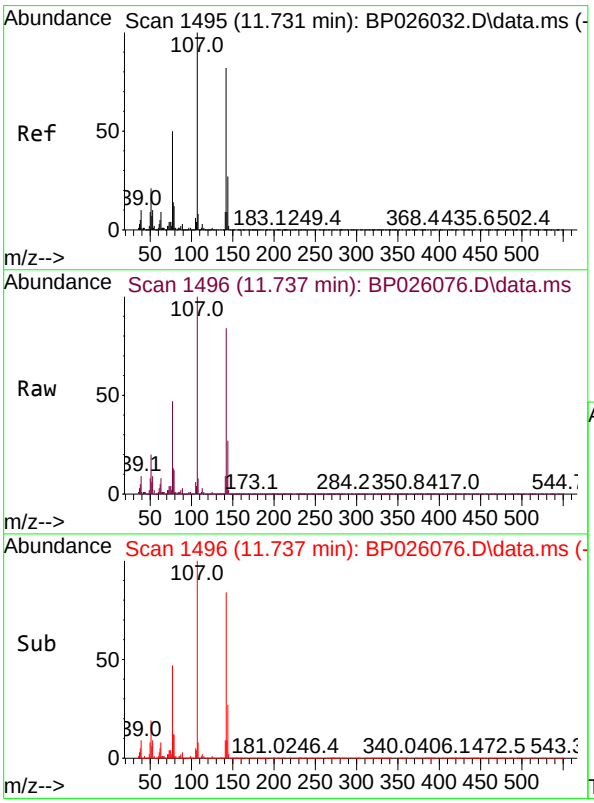
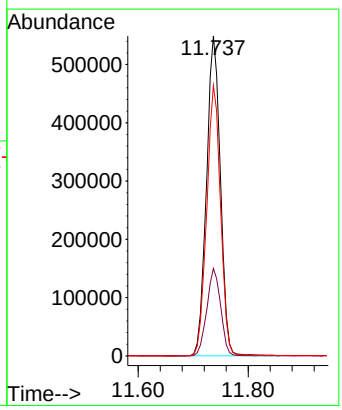


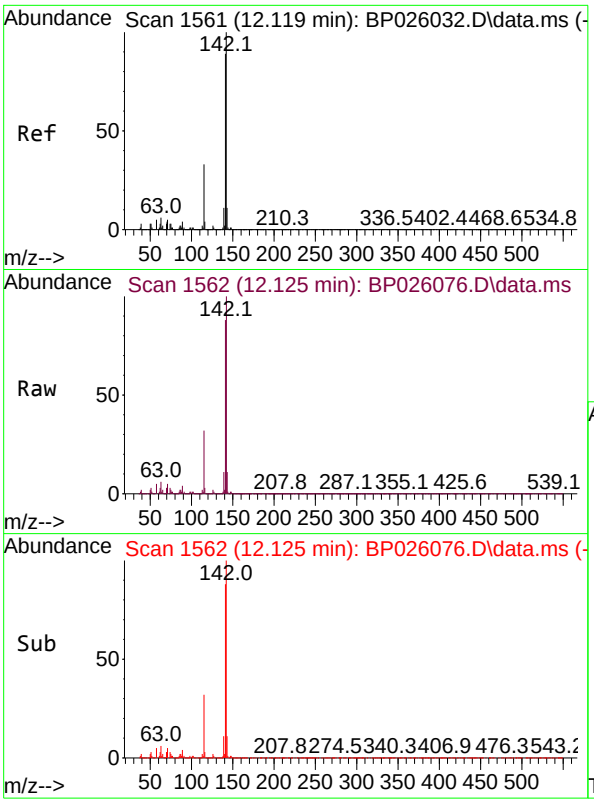


#36
4-Chloro-3-methylphenol
Concen: 45.979 ng
RT: 11.737 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:107 Resp: 964629

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.3	31.9
142	84.5	65.2	97.8





#37
2-Methylnaphthalene
Concen: 41.848 ng
RT: 12.125 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:142 Resp: 209680

Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.6	107.4
115	31.8	26.6	39.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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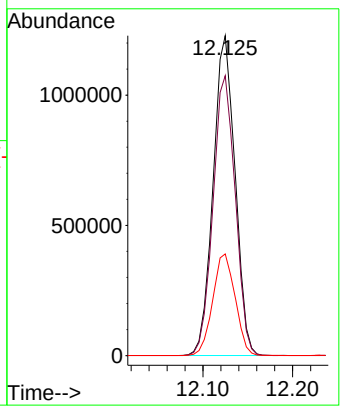
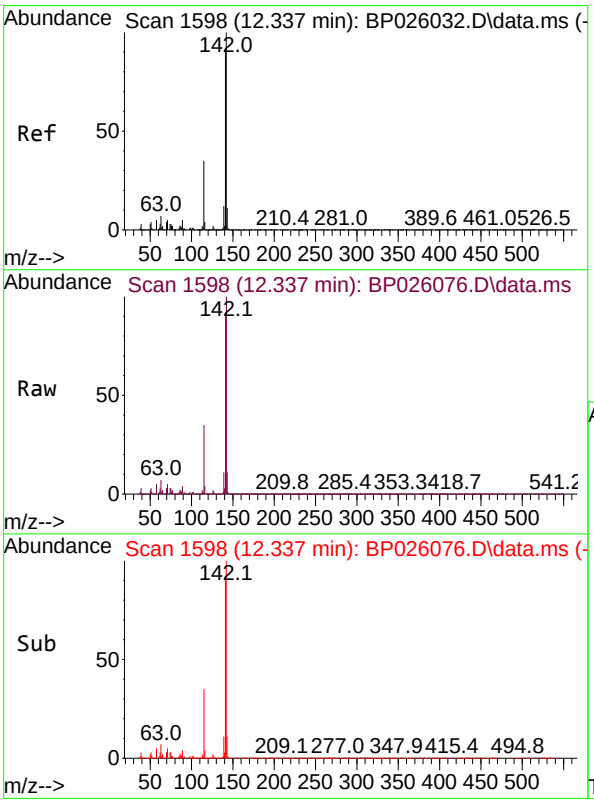
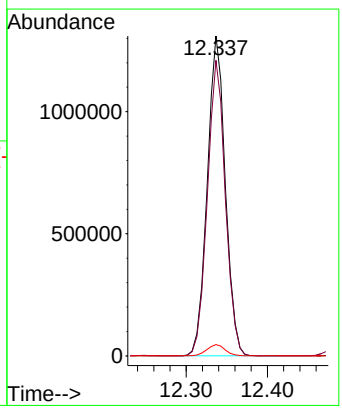


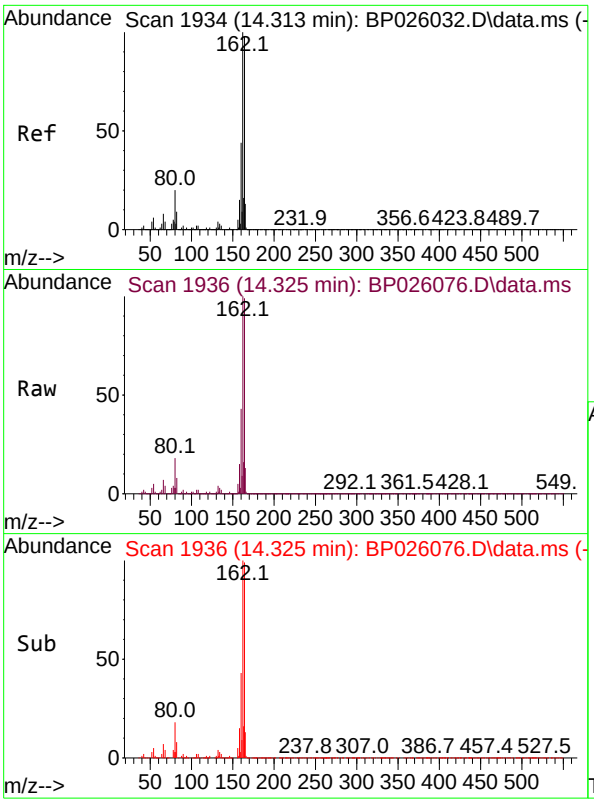


#38
1-Methylnaphthalene
Concen: 41.569 ng
RT: 12.337 min Scan# 1598
Delta R.T. 0.001 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:142 Resp: 2023436

Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.7	109.1
116	3.5	2.9	4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.325 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:164 Resp: 87359

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.5	122.3
160	43.9	36.2	54.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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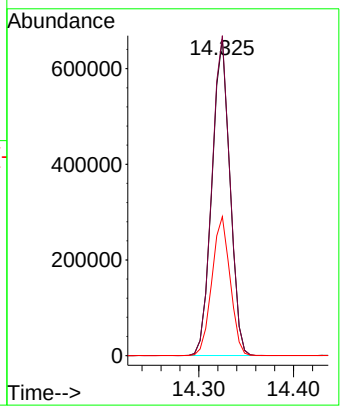
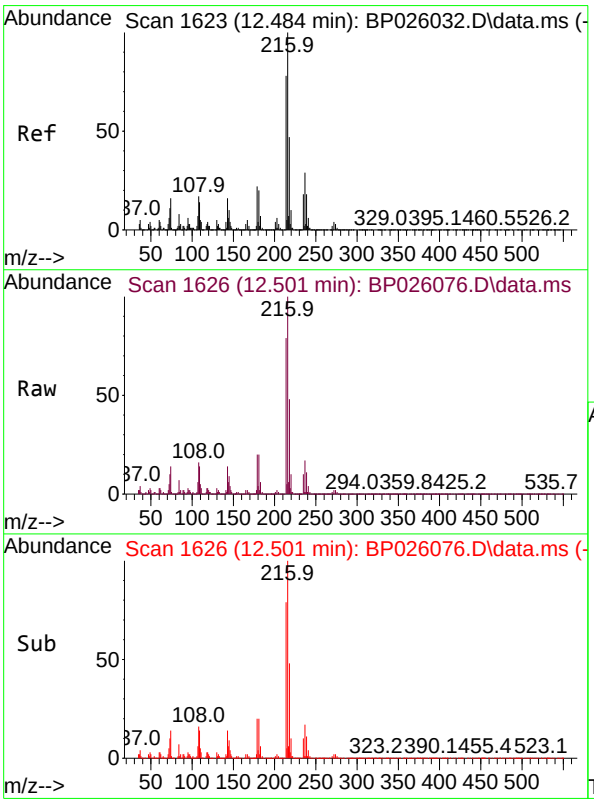
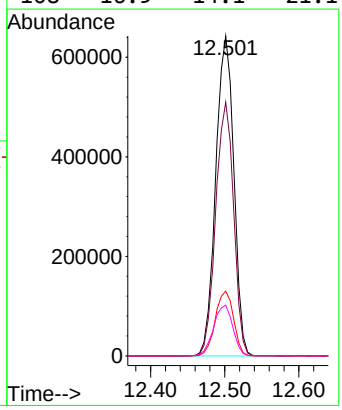


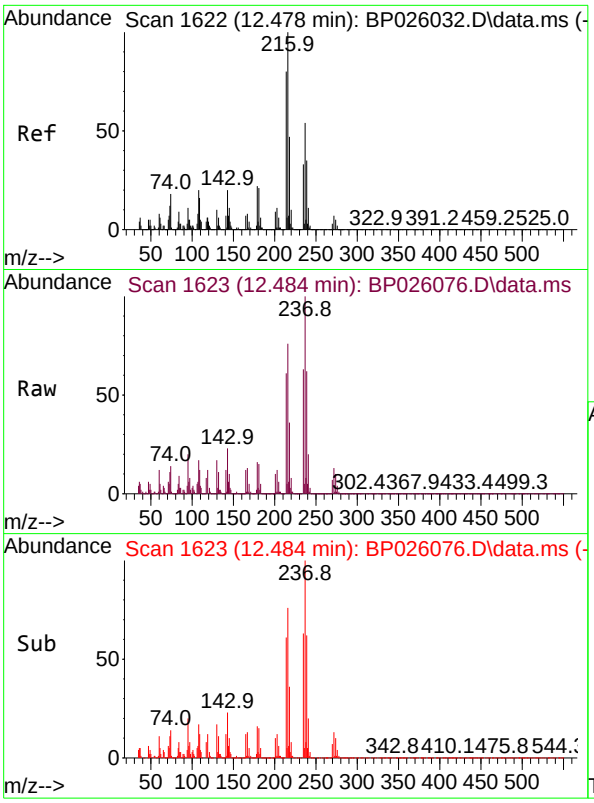


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.053 ng
RT: 12.501 min Scan# 1626
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:216 Resp: 1087205

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.9	94.3
179	20.4	16.9	25.3
108	16.9	14.1	21.1





#41
Hexachlorocyclopentadiene
Concen: 49.229 ng
RT: 12.484 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 488914

Ion	Ratio	Lower	Upper
237	100		
235	63.1	40.4	80.4
272	12.7	0.0	32.2

Manual Integrations
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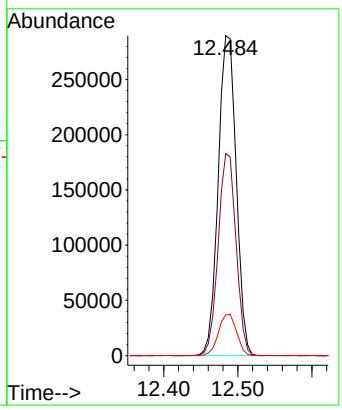
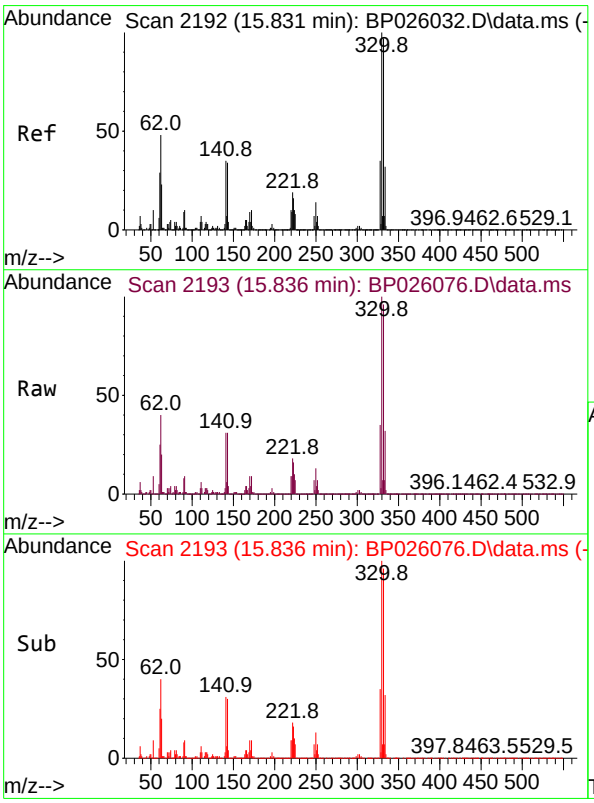
Supervised By :Jagrut Upadhyay 11/10/2025

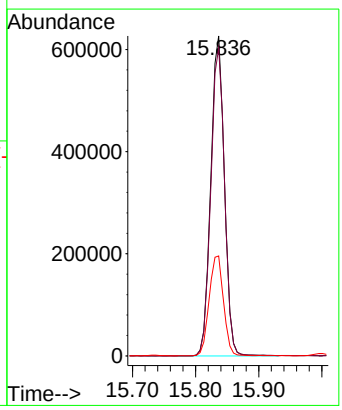


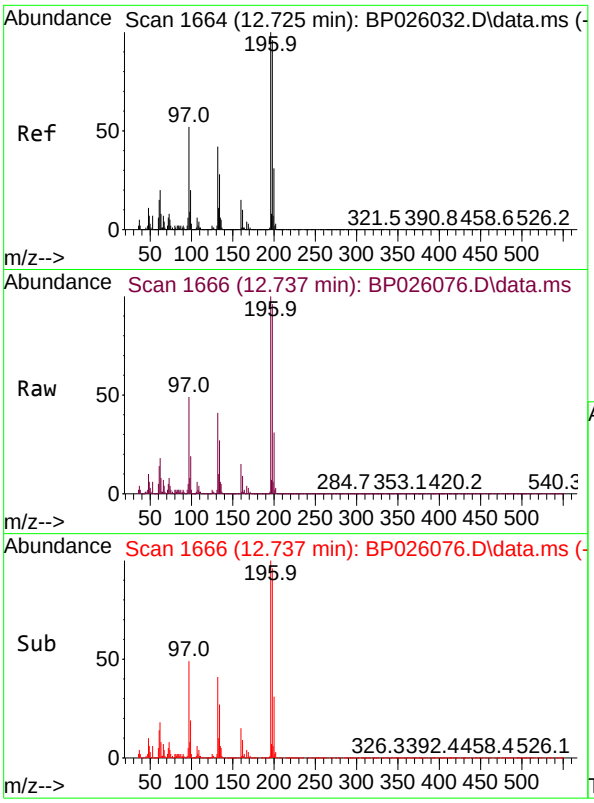


#42
2,4,6-Tribromophenol
Concen: 99.438 ng
RT: 15.836 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:330 Resp: 939137

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.3	115.9
141	32.9	28.6	42.8





#43
2,4,6-Trichlorophenol
Concen: 46.922 ng
RT: 12.737 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:196 Resp: 75282

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.5	114.7
200	31.3	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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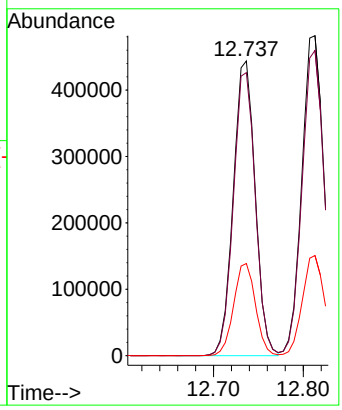
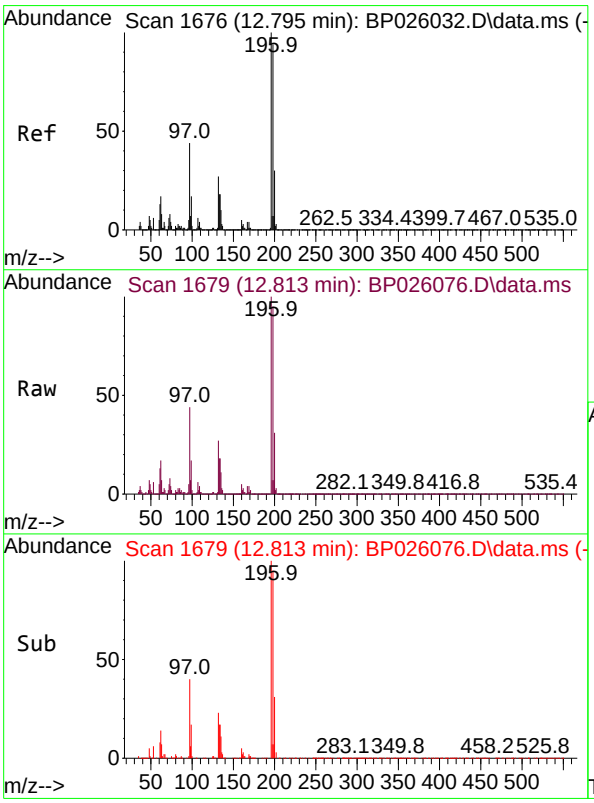
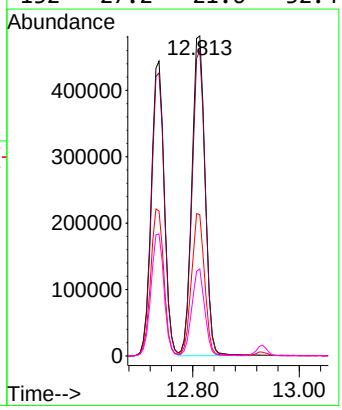


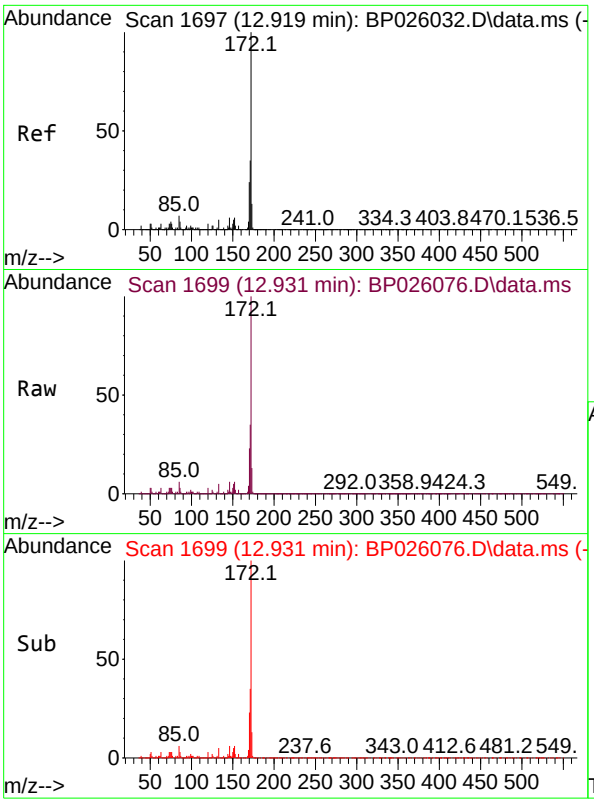


#44
2,4,5-Trichlorophenol
Concen: 45.337 ng
RT: 12.813 min Scan# 1679
Delta R.T. 0.018 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:196 Resp: 830001

Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.1	112.7
97	44.1	35.5	53.3
132	27.2	21.6	32.4





#45
2-Fluorobiphenyl
Concen: 77.423 ng
RT: 12.931 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:172 Resp: 470701

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.9	41.9
170	23.2	19.0	28.4

Instrument :
BNA_P
ClientSampleId :
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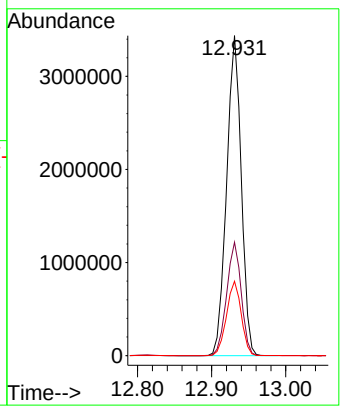
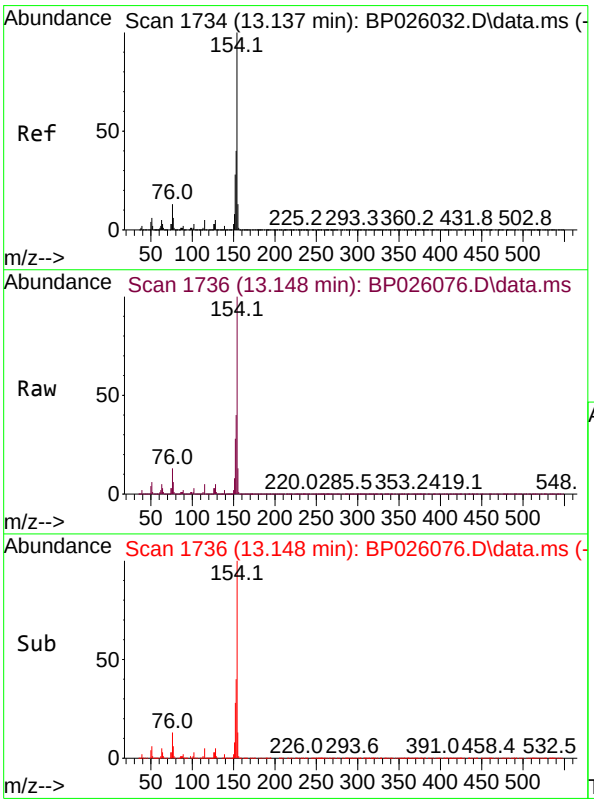
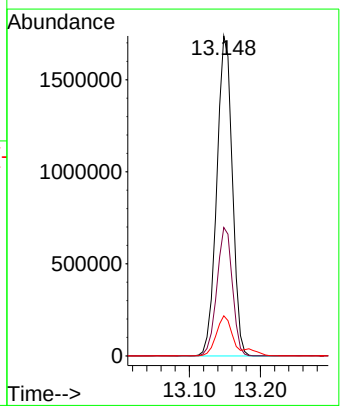


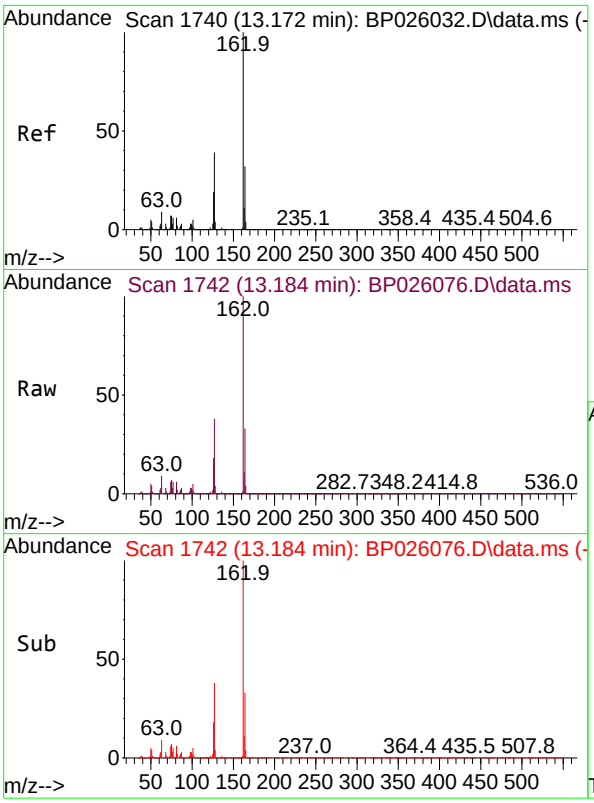


#46
1,1'-Biphenyl
Concen: 39.499 ng
RT: 13.148 min Scan# 1736
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:154 Resp: 2642130

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.2	60.2
76	12.5	0.0	32.8





#47
2-Chloronaphthalene
Concen: 39.734 ng
RT: 13.184 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:162 Resp: 209121

Ion	Ratio	Lower	Upper
162	100		
127	38.4	31.4	47.2
164	32.6	25.9	38.9

Instrument :
BNA_P
ClientSampleId :
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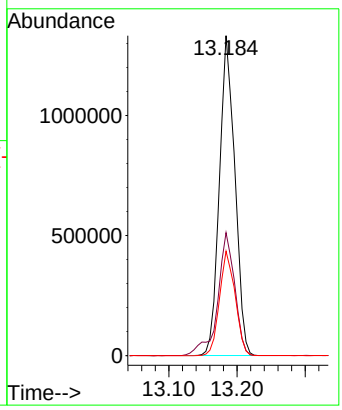
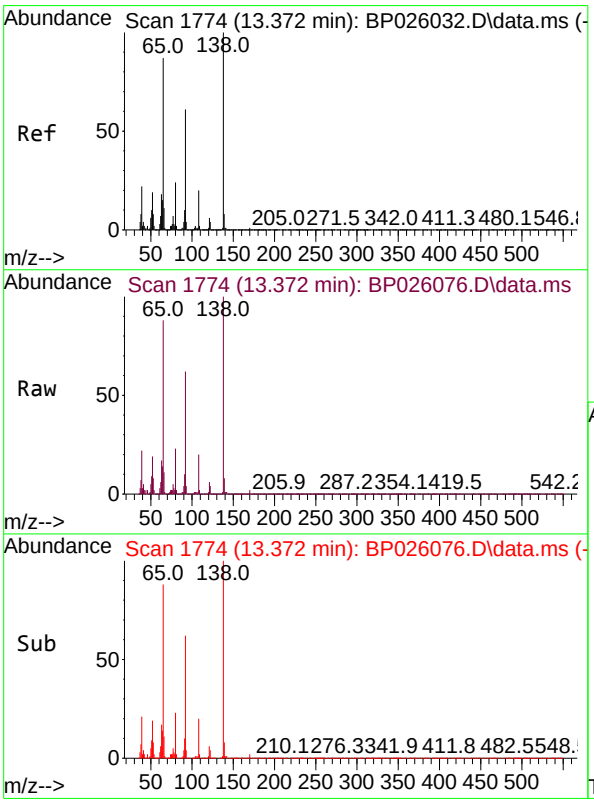
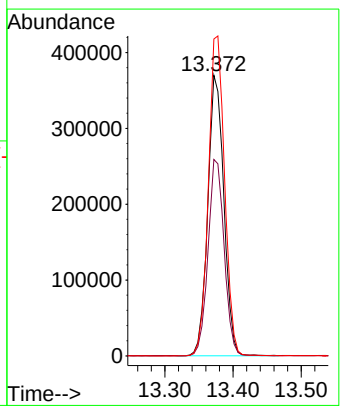


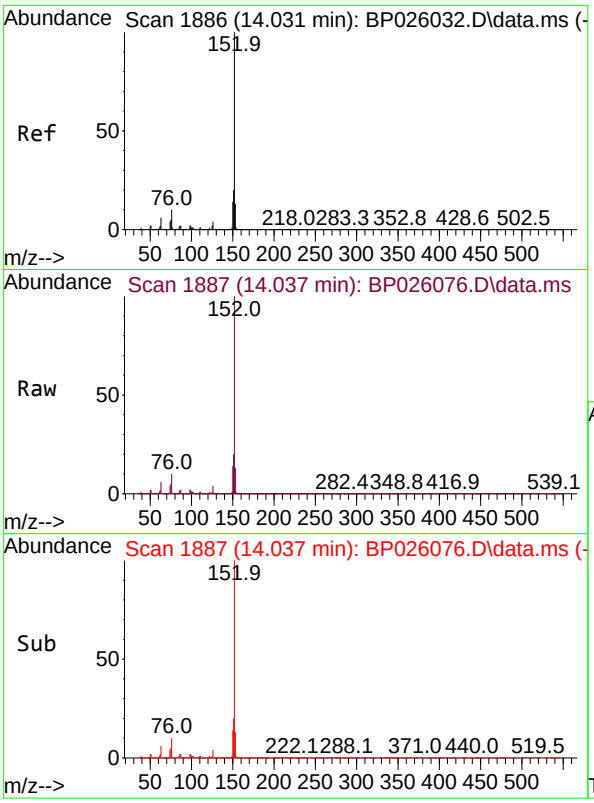


#48
2-Nitroaniline
Concen: 44.750 ng
RT: 13.372 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 65 Resp: 603262

Ion	Ratio	Lower	Upper
65	100		
92	70.0	55.5	83.3
138	113.0	91.7	137.5





#49
Acenaphthylene
Concen: 40.331 ng
RT: 14.037 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:152 Resp: 309372

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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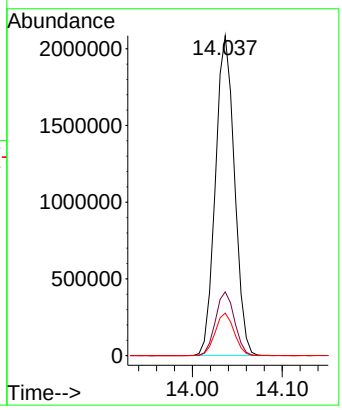
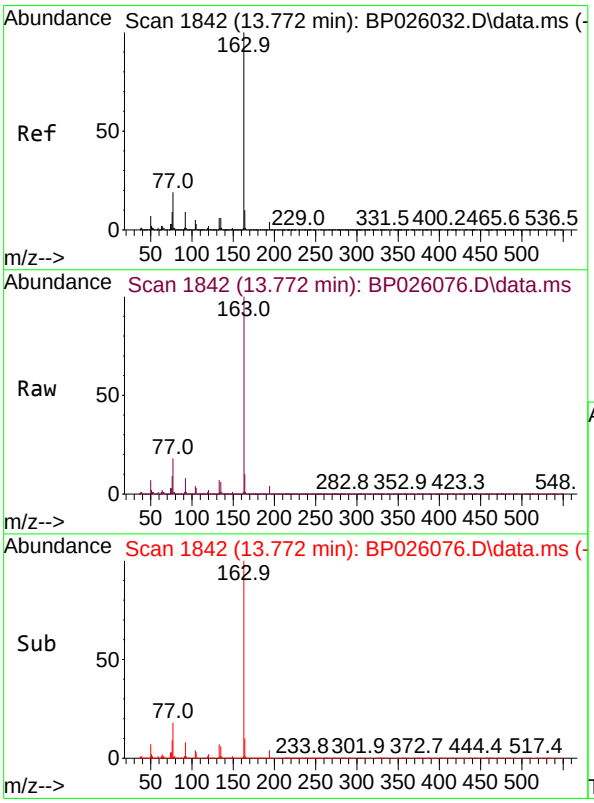
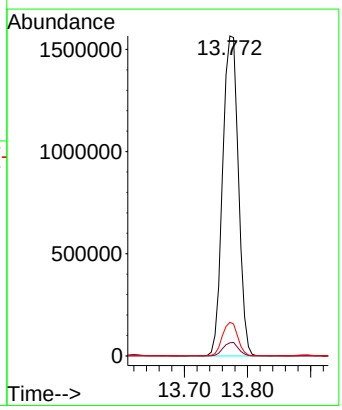


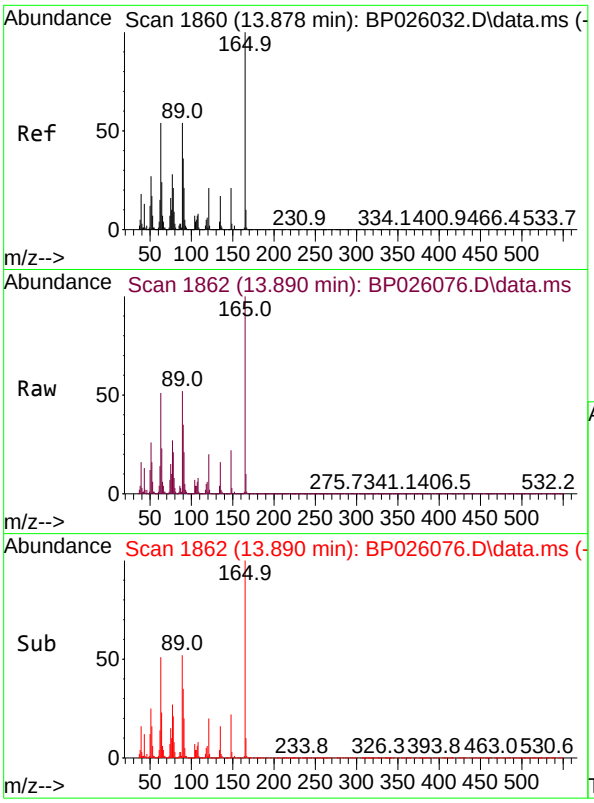


#50
Dimethylphthalate
Concen: 42.710 ng
RT: 13.772 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:163 Resp: 2713959

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.5	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 45.582 ng
RT: 13.890 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:165 Resp: 53890

Ion	Ratio	Lower	Upper
165	100		
63	51.2	43.0	64.4
89	51.9	43.0	64.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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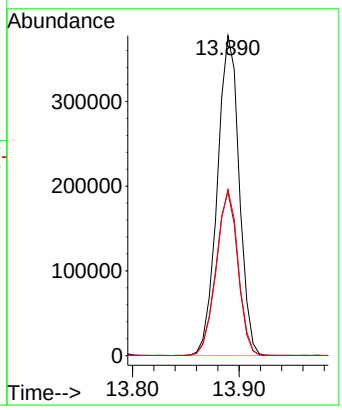
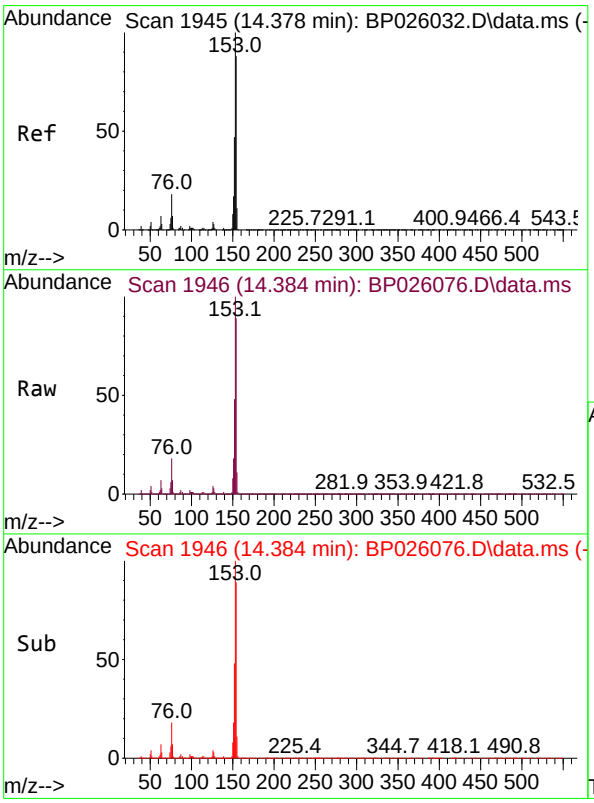
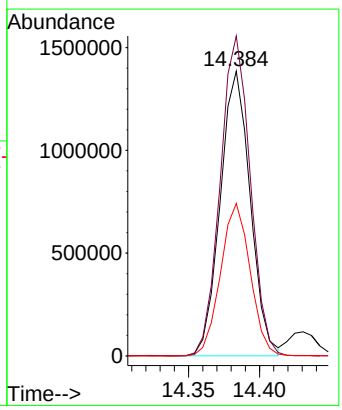


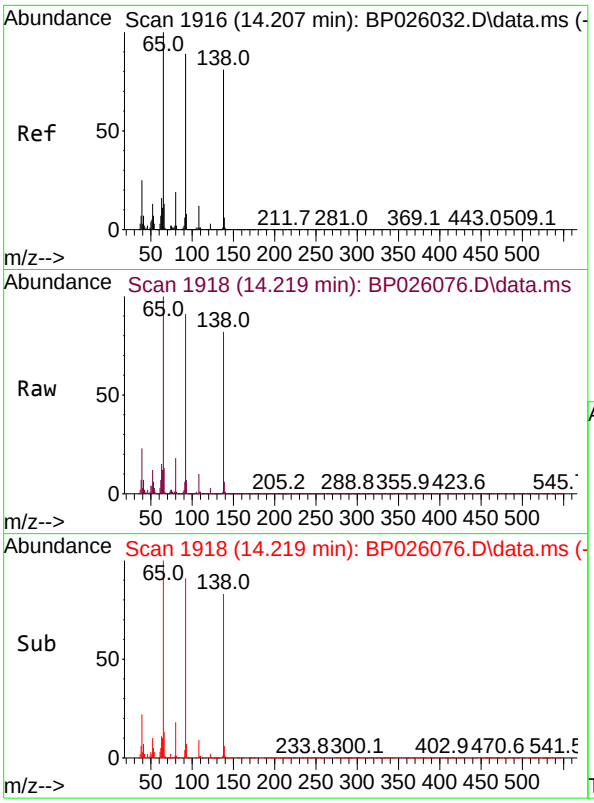


#52
Acenaphthene
Concen: 38.666 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.001 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:154 Resp: 2036201

Ion	Ratio	Lower	Upper
154	100		
153	112.4	91.0	136.4
152	53.5	42.7	64.1





#53
3-Nitroaniline
Concen: 44.369 ng
RT: 14.219 min Scan# 19
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:138 Resp: 632150

Ion	Ratio	Lower	Upper
138	100		
108	11.8	11.4	17.0
92	110.5	87.1	130.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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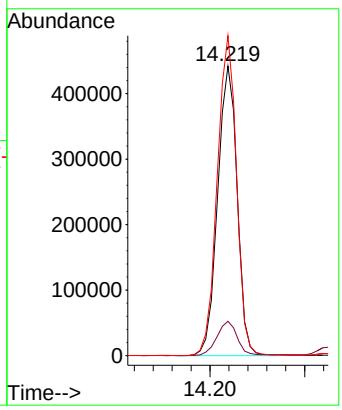
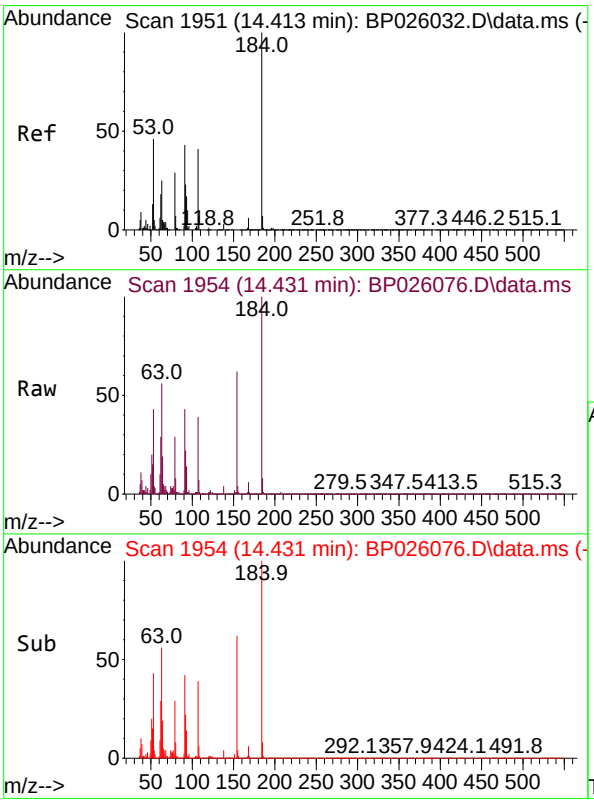
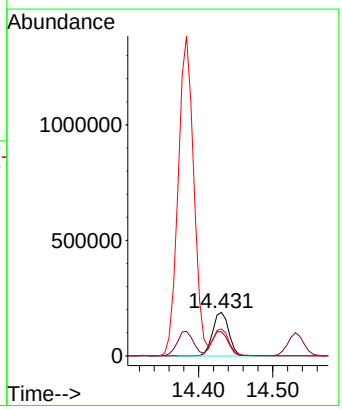


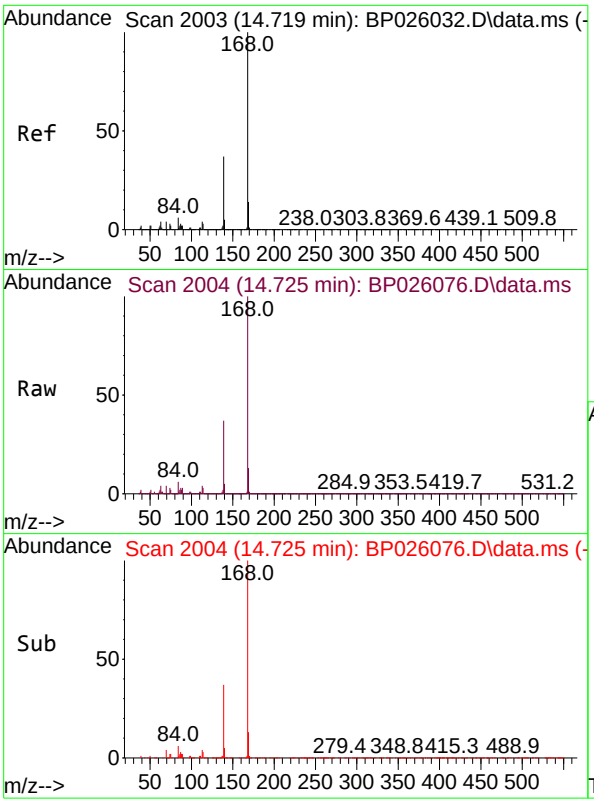


#54
2,4-Dinitrophenol
Concen: 58.251 ng
RT: 14.431 min Scan# 1954
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:184 Resp: 285649

Ion	Ratio	Lower	Upper
184	100		
63	55.6	49.0	73.4
154	62.2	51.0	76.6





#55
Dibenzofuran
Concen: 39.688 ng
RT: 14.725 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:168 Resp: 3157740

Ion	Ratio	Lower	Upper
168	100		
139	36.6	29.7	44.5
169	13.2	11.0	16.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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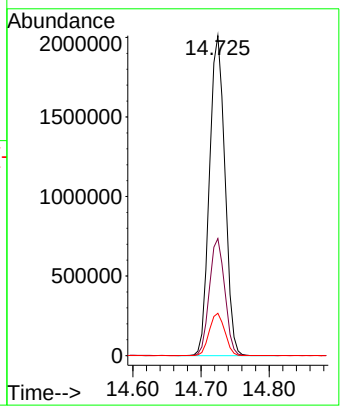
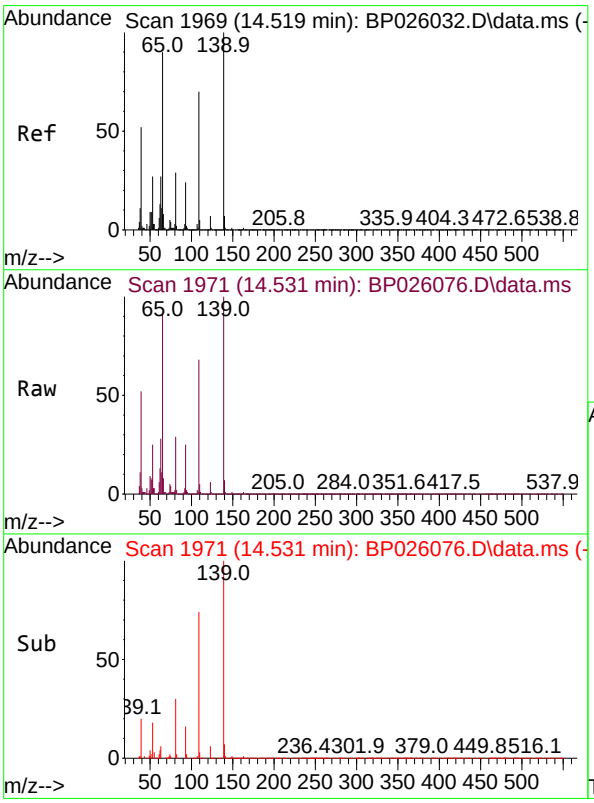
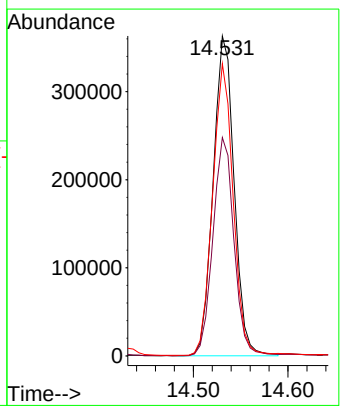


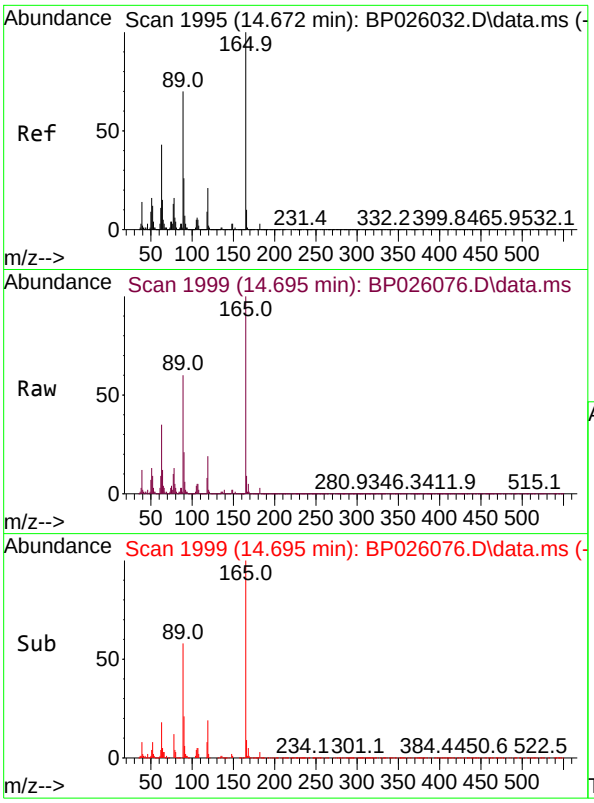


#56
4-Nitrophenol
Concen: 44.118 ng
RT: 14.531 min Scan# 1971
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:139 Resp: 559018

Ion	Ratio	Lower	Upper
139	100		
109	68.2	50.0	90.0
65	91.3	69.6	109.6





#57
2,4-Dinitrotoluene
Concen: 45.938 ng
RT: 14.695 min Scan# 1
Delta R.T. 0.017 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:165 Resp: 79821

Ion	Ratio	Lower	Upper
165	100		
63	35.4	34.2	51.2
89	59.6	56.0	84.0
182	2.8	2.2	3.2

Instrument :
BNA_P
ClientSampleId :
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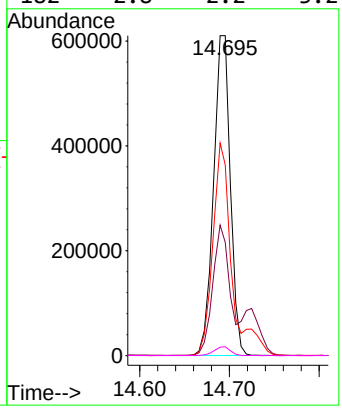
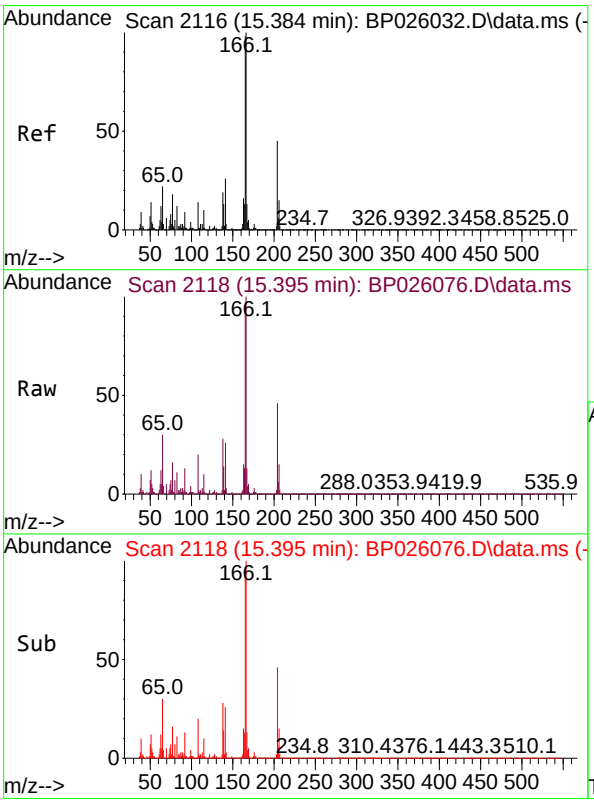
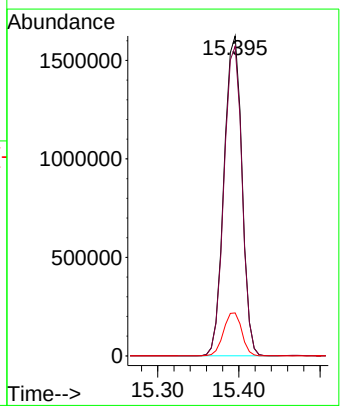


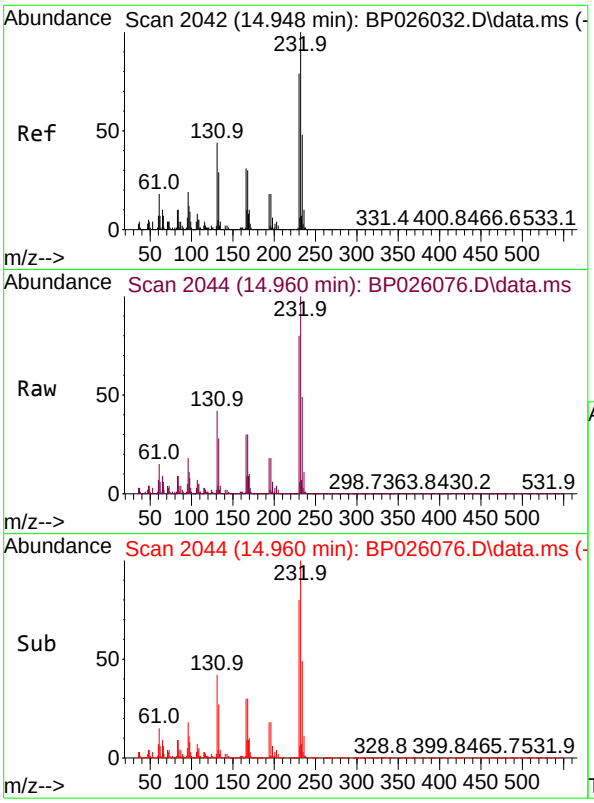


#58
Fluorene
Concen: 39.967 ng
RT: 15.395 min Scan# 2118
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:166 Resp: 2491275

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.1	117.1
167	13.4	10.6	16.0

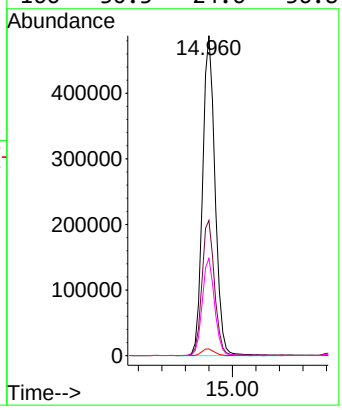




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.851 ng
RT: 14.960 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:232 Resp: 71756

Ion	Ratio	Lower	Upper
232	100		
131	42.7	35.2	52.8
130	2.1	1.7	2.5
166	30.3	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
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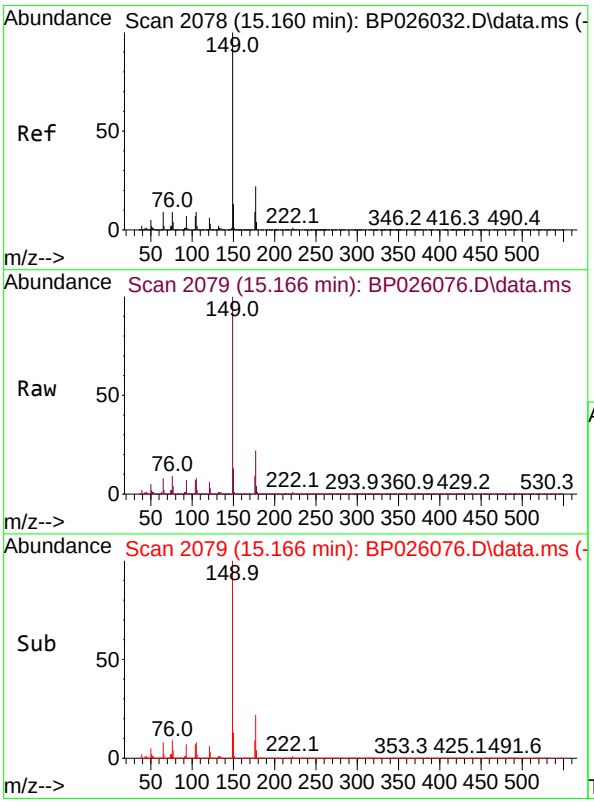
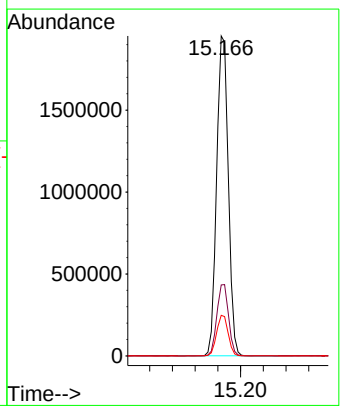
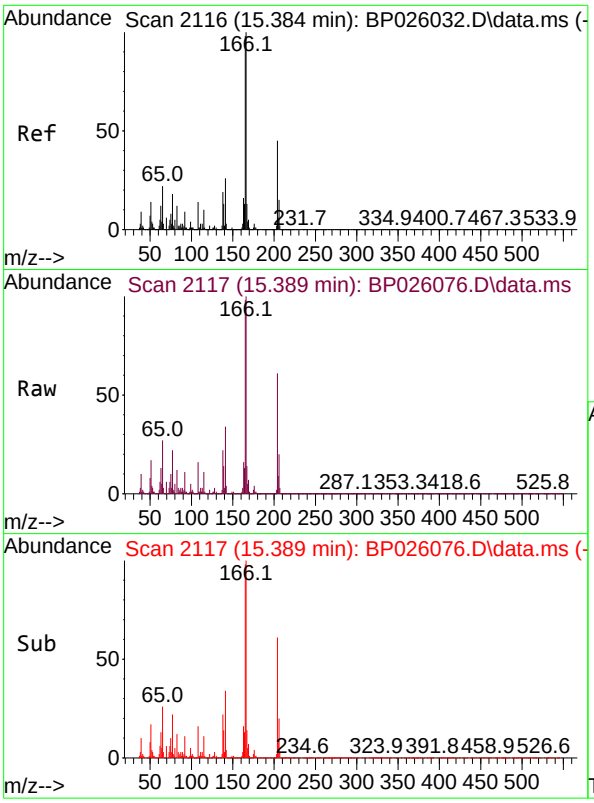


#60
Diethylphthalate
Concen: 43.300 ng
RT: 15.166 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:149 Resp: 2766137

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.7	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.144 ng
RT: 15.389 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:204 Resp: 124959

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.2	39.2
141	56.0	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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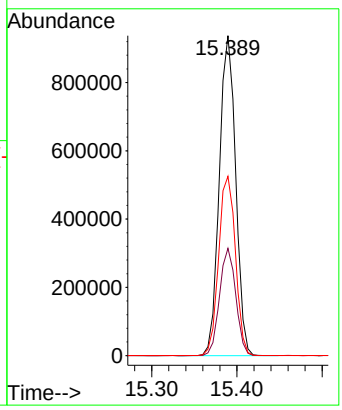
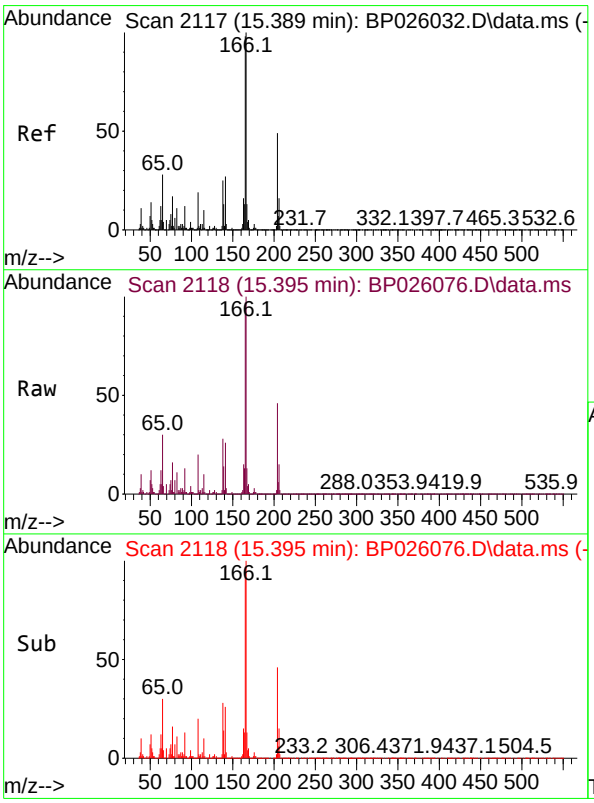
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

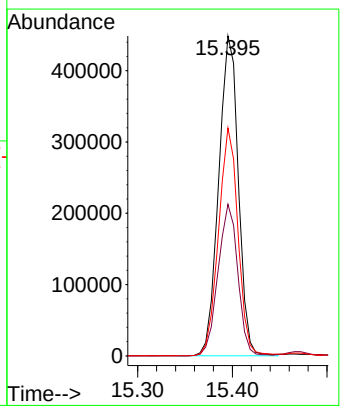


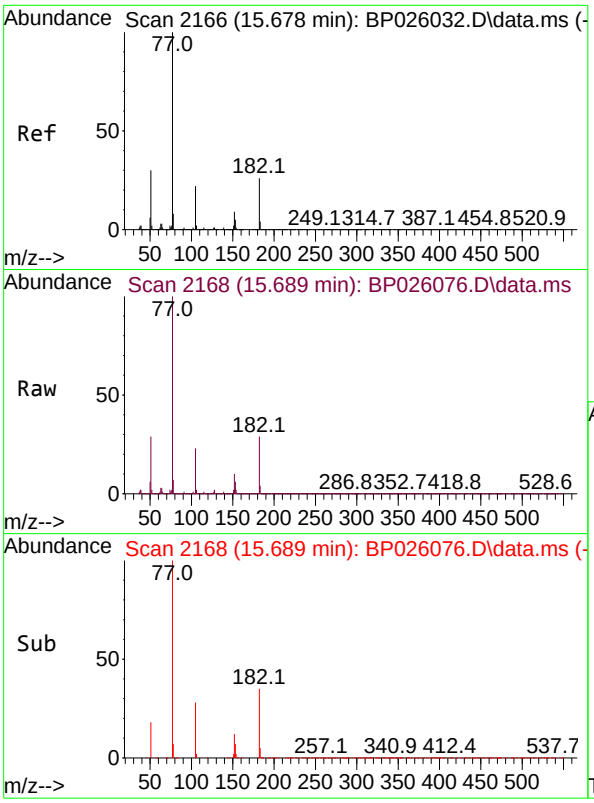


#62
4-Nitroaniline
Concen: 47.630 ng
RT: 15.395 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:138 Resp: 646745

Ion	Ratio	Lower	Upper
138	100		
92	47.4	28.2	68.2
108	71.2	56.0	96.0





#63
Azobenzene
Concen: 39.832 ng
RT: 15.689 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion: 77 Resp: 230611

Ion	Ratio	Lower	Upper
77	100		
182	28.7	6.4	46.4
105	23.0	2.2	42.2
51	28.9	10.3	50.3

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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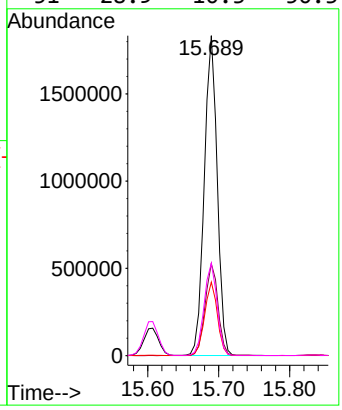
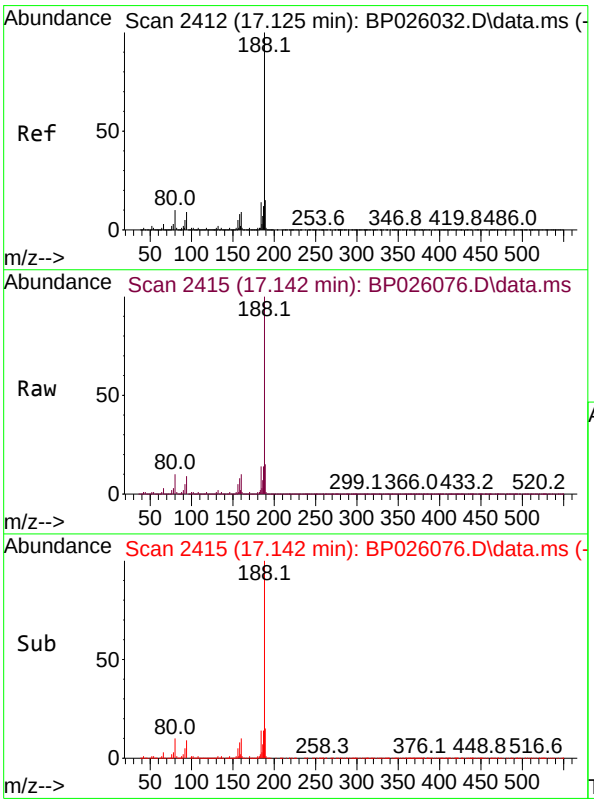
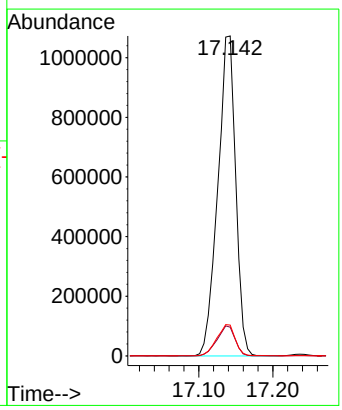


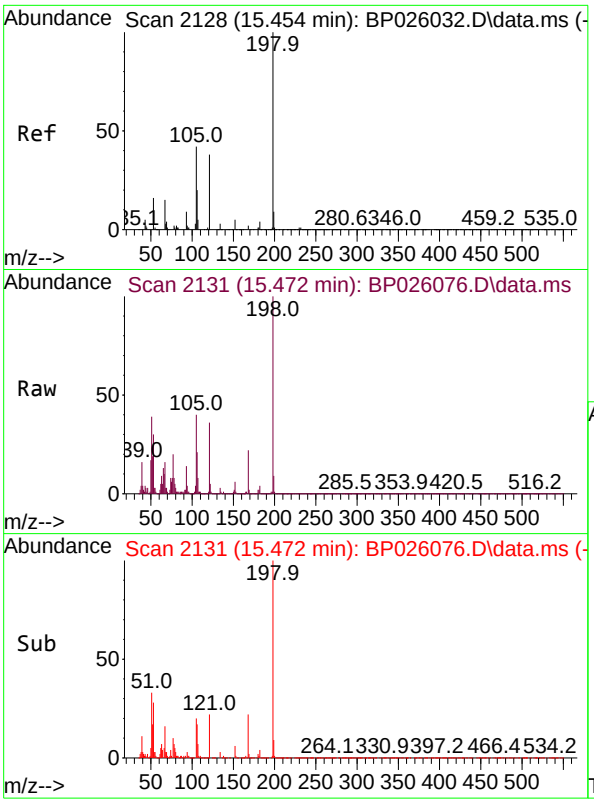


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.142 min Scan# 2415
Delta R.T. 0.018 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:188 Resp: 1797854

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.1	10.7
80	9.6	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 55.466 ng
RT: 15.472 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:198 Resp: 42321

Ion	Ratio	Lower	Upper
198	100		
51	38.8	25.2	65.2
105	40.4	23.7	63.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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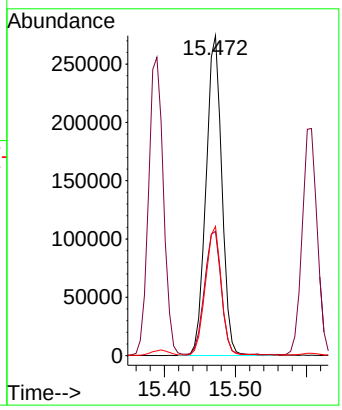
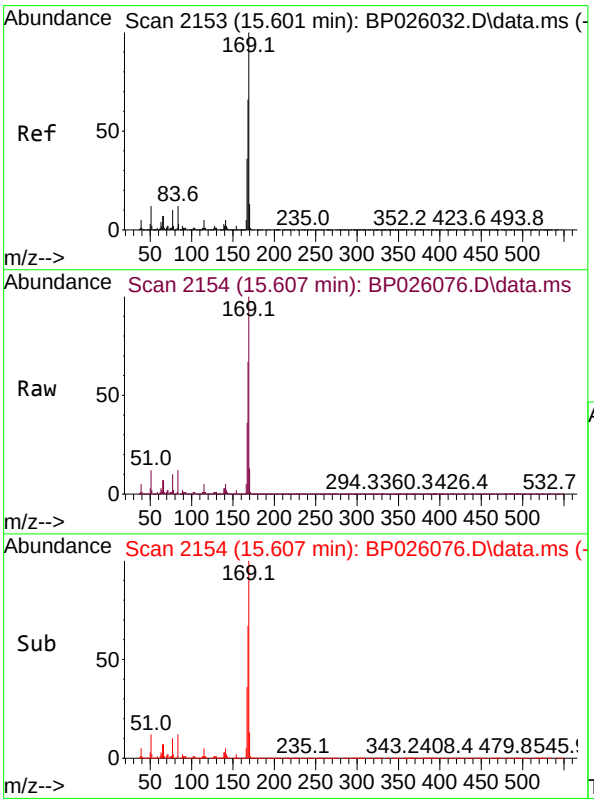
Supervised By :Jagrut Upadhyay 11/10/2025

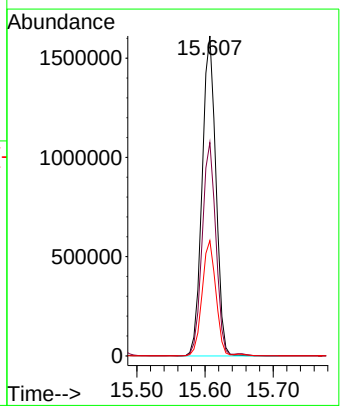


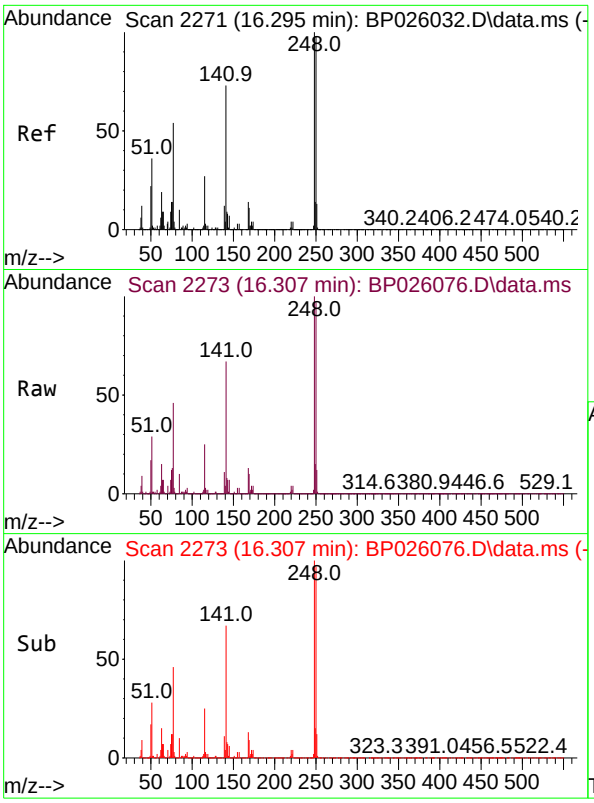


#66
n-Nitrosodiphenylamine
Concen: 40.304 ng
RT: 15.607 min Scan# 2154
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:169 Resp: 2265581

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.9	79.3
167	36.0	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 42.144 ng
RT: 16.307 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:248 Resp: 84047

Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.4	117.6
141	67.3	58.3	87.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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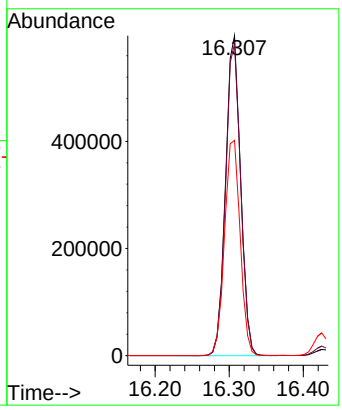
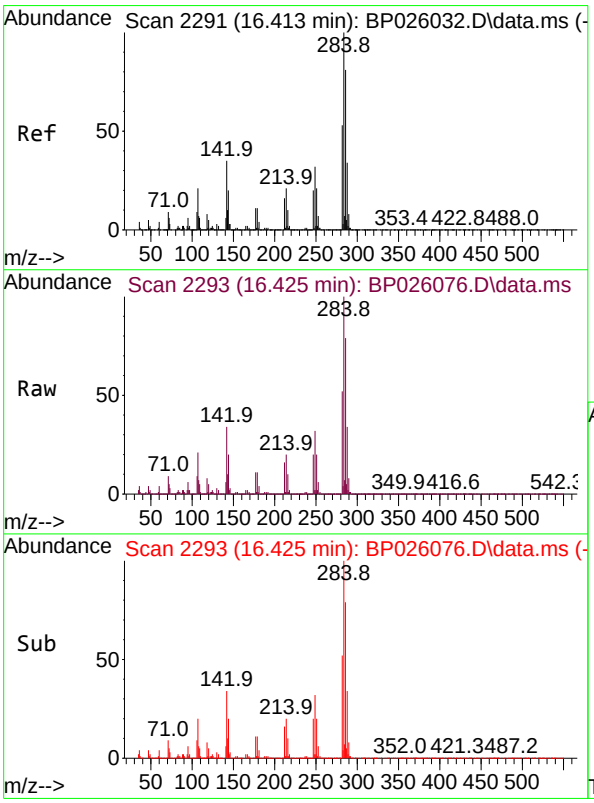
Supervised By :Jagrut Upadhyay 11/10/2025

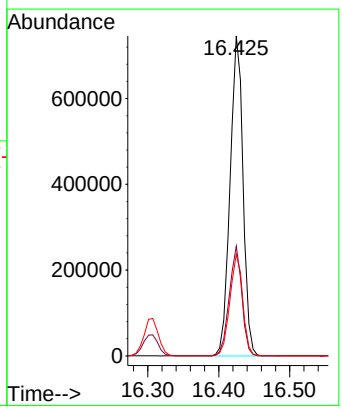


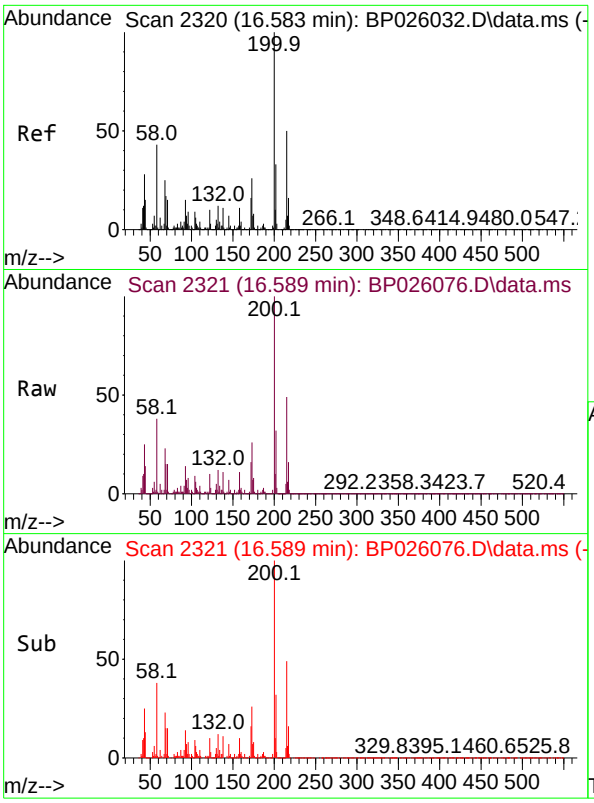


#68
Hexachlorobenzene
Concen: 41.596 ng
RT: 16.425 min Scan# 2293
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:284 Resp: 944341

Ion	Ratio	Lower	Upper
284	100		
142	34.3	27.7	41.5
249	31.8	25.5	38.3





#69
Atrazine
Concen: 42.711 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:200 Resp: 80991

Ion	Ratio	Lower	Upper
200	100		
173	25.8	6.2	46.2
215	48.8	29.8	69.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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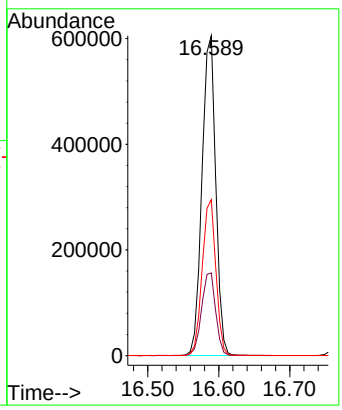
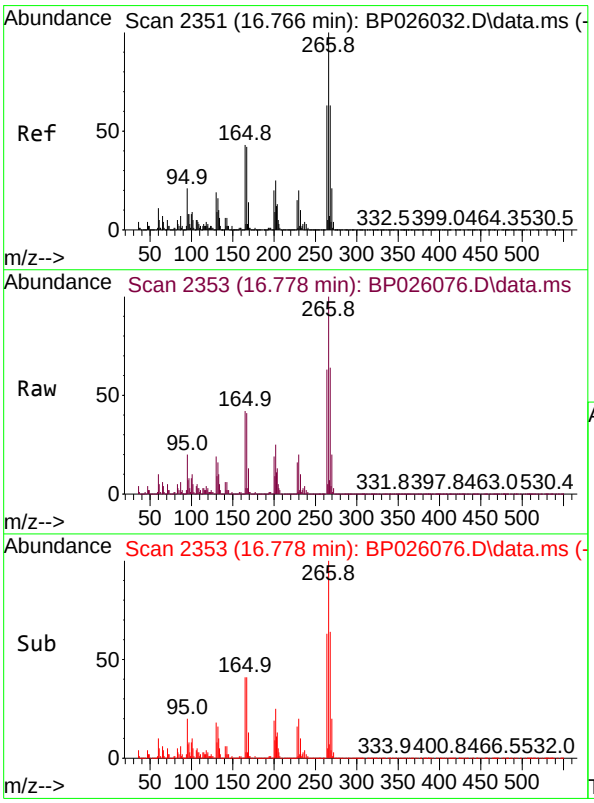
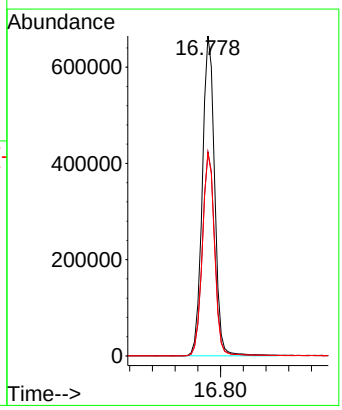


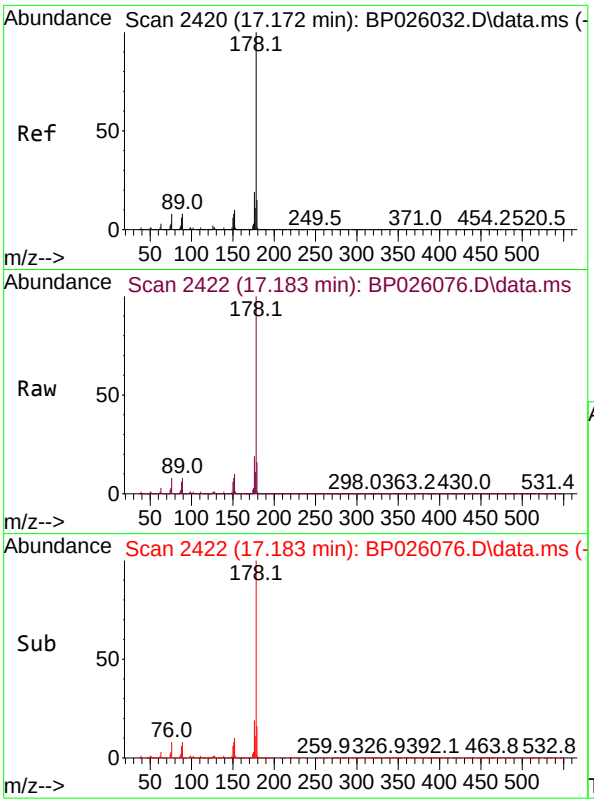


#70
Pentachlorophenol
Concen: 72.285 ng
RT: 16.778 min Scan# 2353
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:266 Resp: 1002391

Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.6	76.0
264	63.3	50.2	75.4





#71
Phenanthrene
Concen: 39.502 ng
RT: 17.183 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:178 Resp: 4133609

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.3	18.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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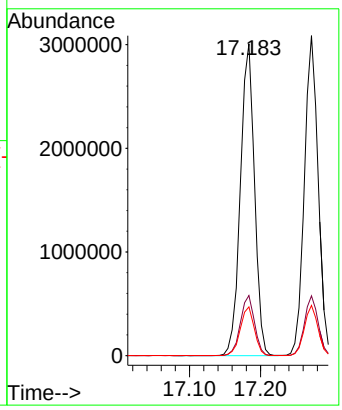
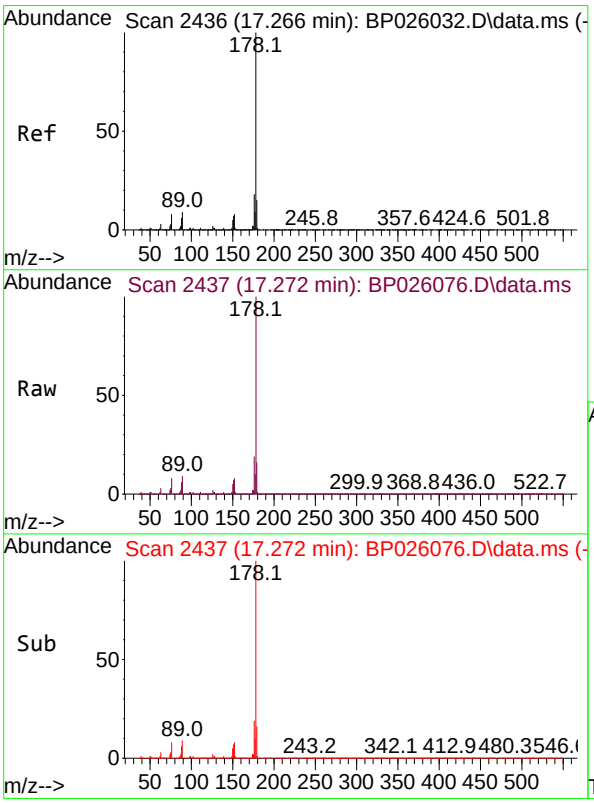
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

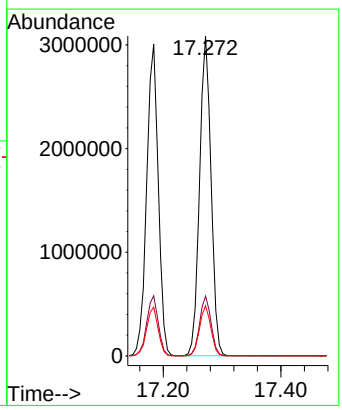


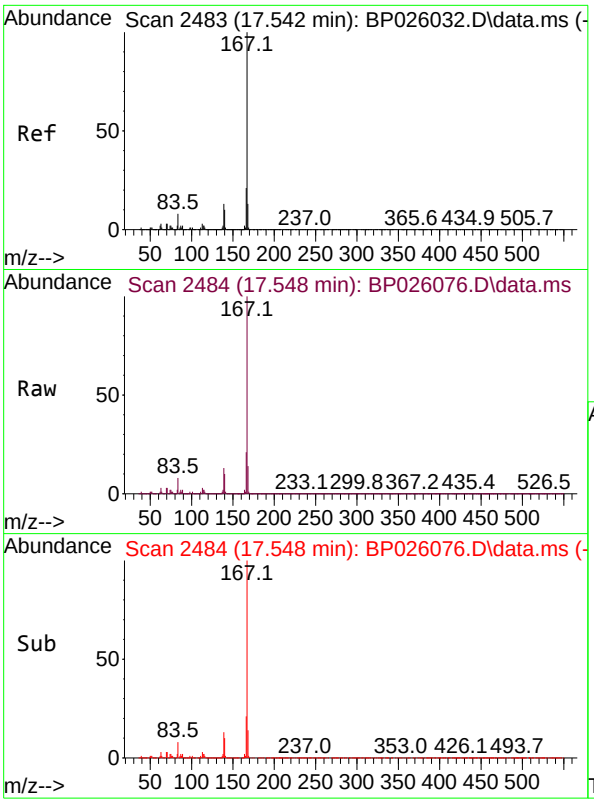


#72
Anthracene
Concen: 40.254 ng
RT: 17.272 min Scan# 2437
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:178 Resp: 4175469

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.7	12.2	18.4





#73
Carbazole
Concen: 40.684 ng
RT: 17.548 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:167 Resp: 3994788

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.8	10.2	15.2

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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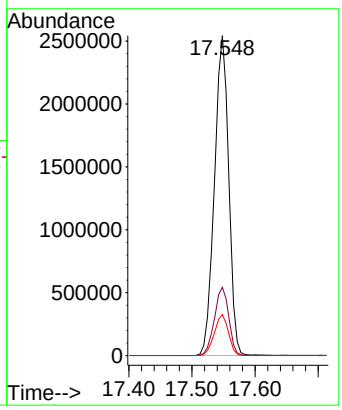
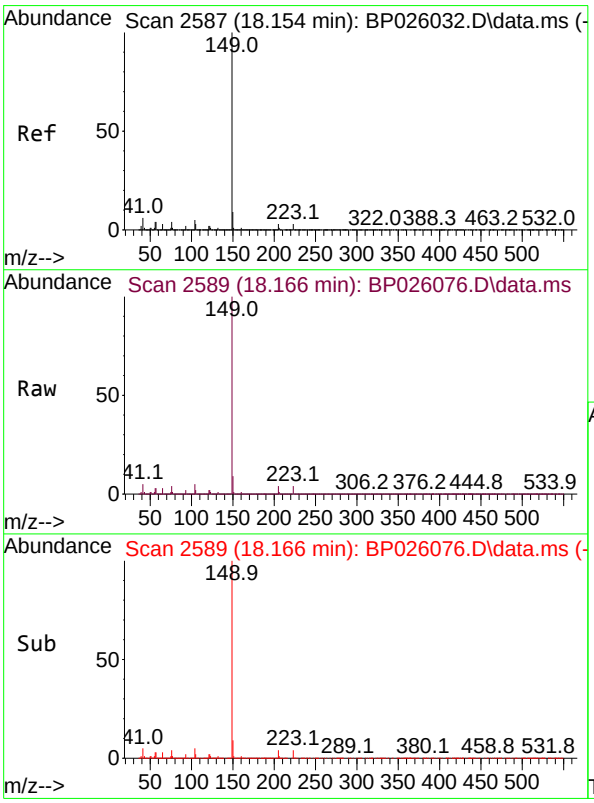
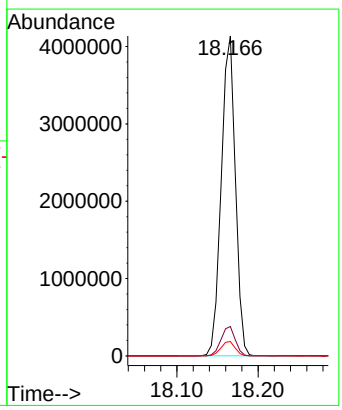


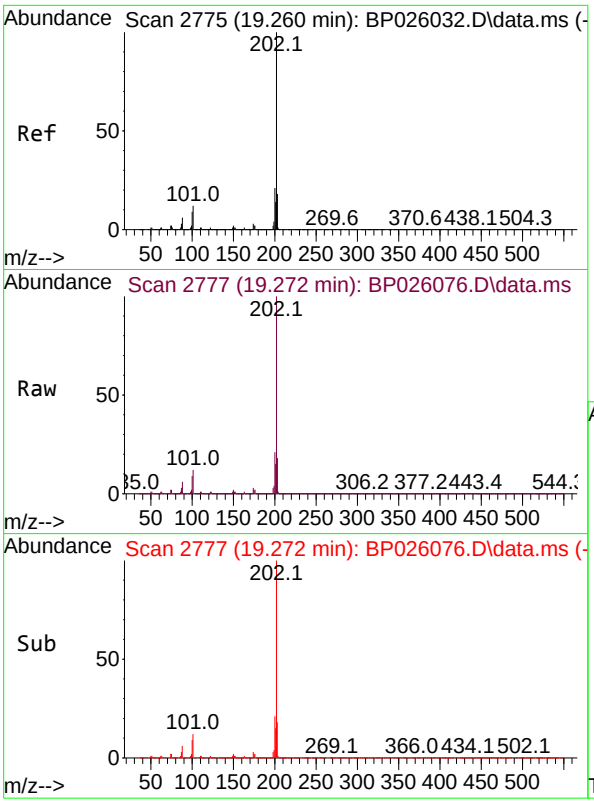


#74
Di-n-butylphthalate
Concen: 45.338 ng
RT: 18.166 min Scan# 2589
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:149 Resp: 4981360

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.5	3.8	5.6





#75
Fluoranthene
Concen: 40.678 ng
RT: 19.272 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:202 Resp: 496555

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.1
203	17.8	0.0	37.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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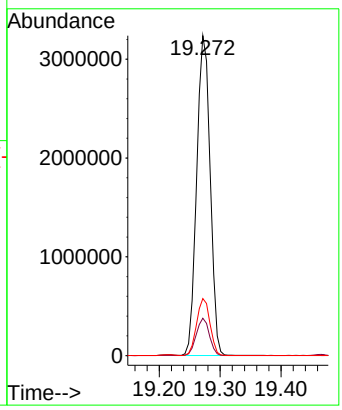
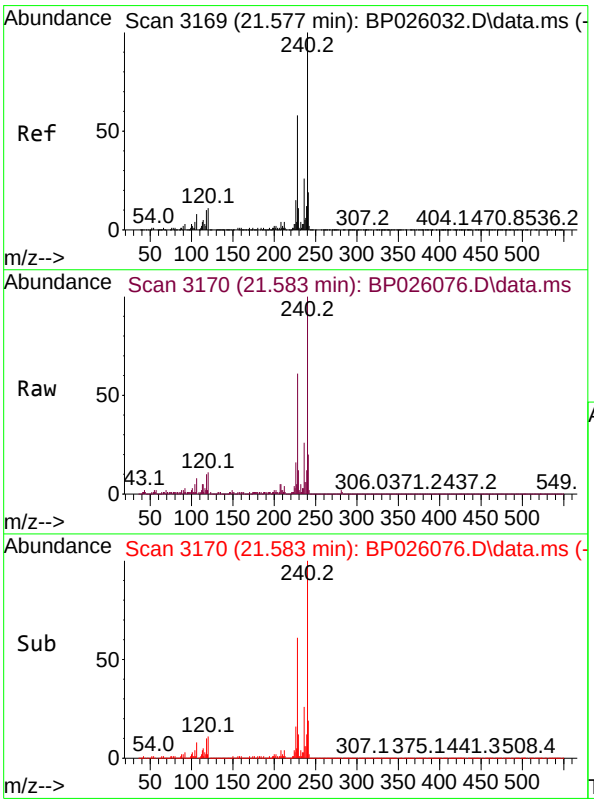
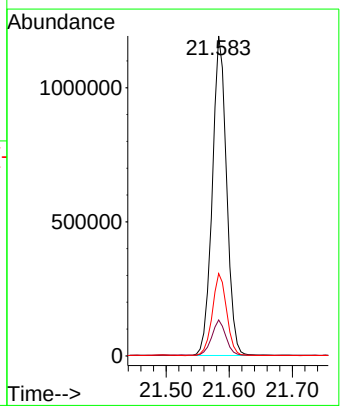


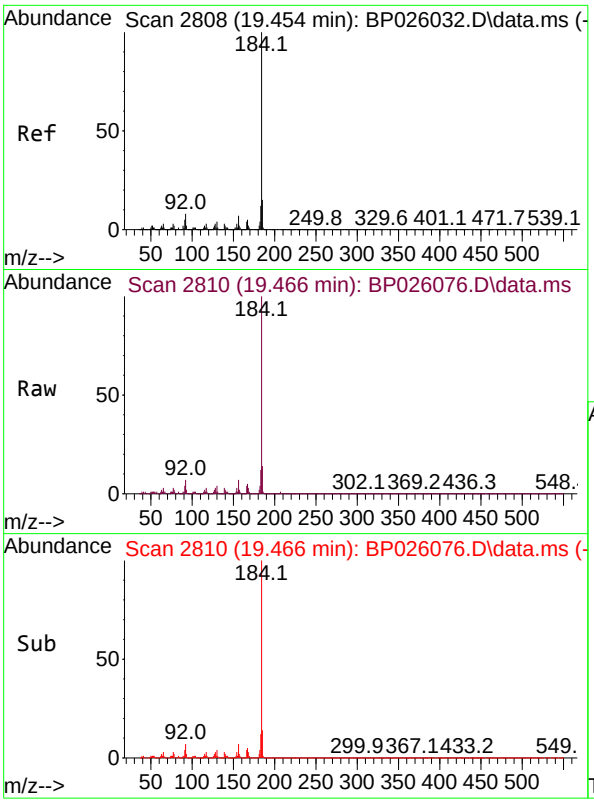


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.018 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:240 Resp: 1874908

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	25.7	20.6	31.0





#77
Benzidine
Concen: 45.504 ng
RT: 19.466 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:184 Resp: 216551

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.9	17.9
183	11.7	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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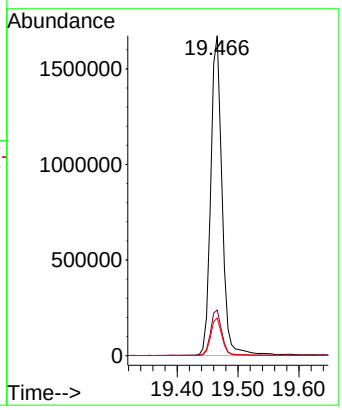
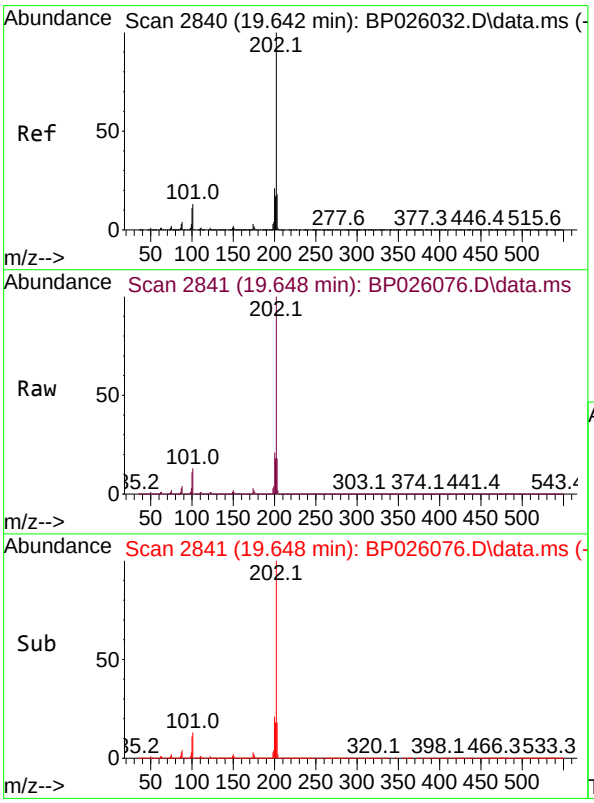
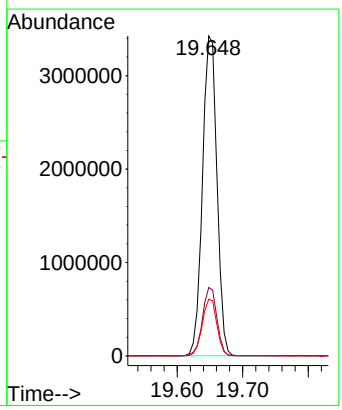


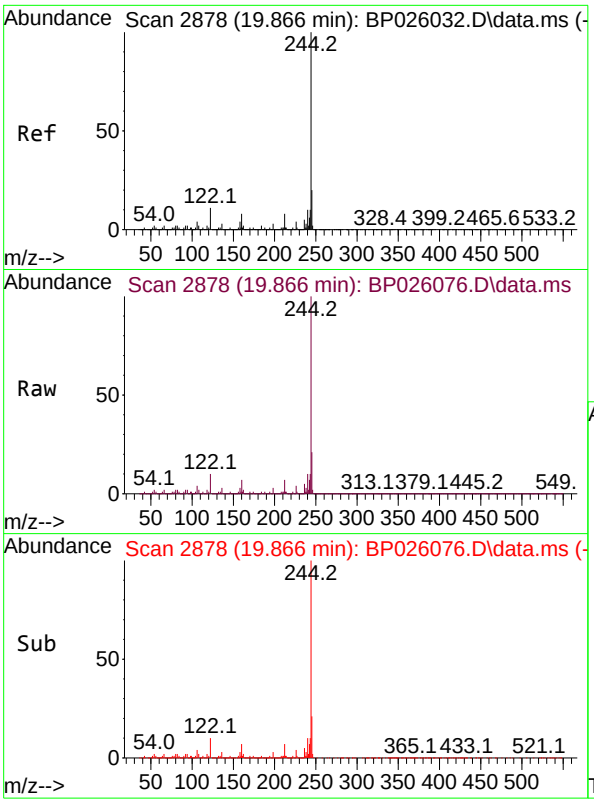


#78
Pyrene
Concen: 41.190 ng
RT: 19.648 min Scan# 2841
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:202 Resp: 5223256

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.6	25.0
203	17.7	14.0	21.0





#79
Terphenyl-d14
Concen: 81.258 ng
RT: 19.866 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:244 Resp: 749877

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	10.5	9.0	13.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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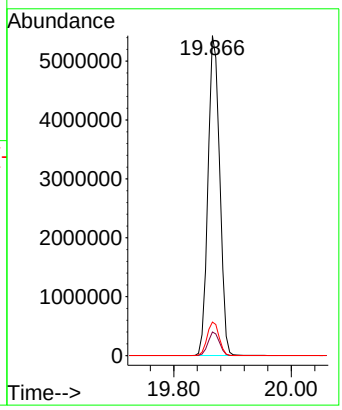
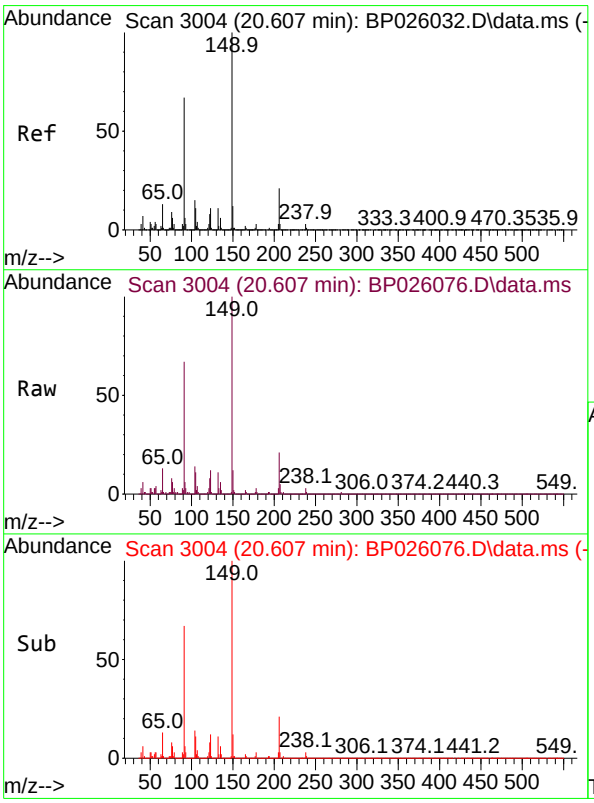
Supervised By :Jagrut Upadhyay 11/10/2025

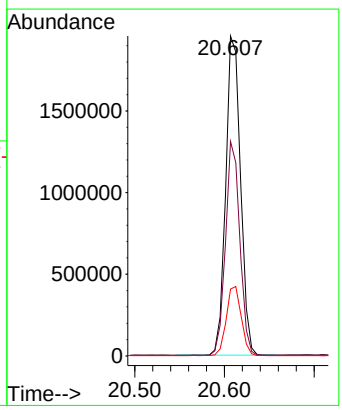


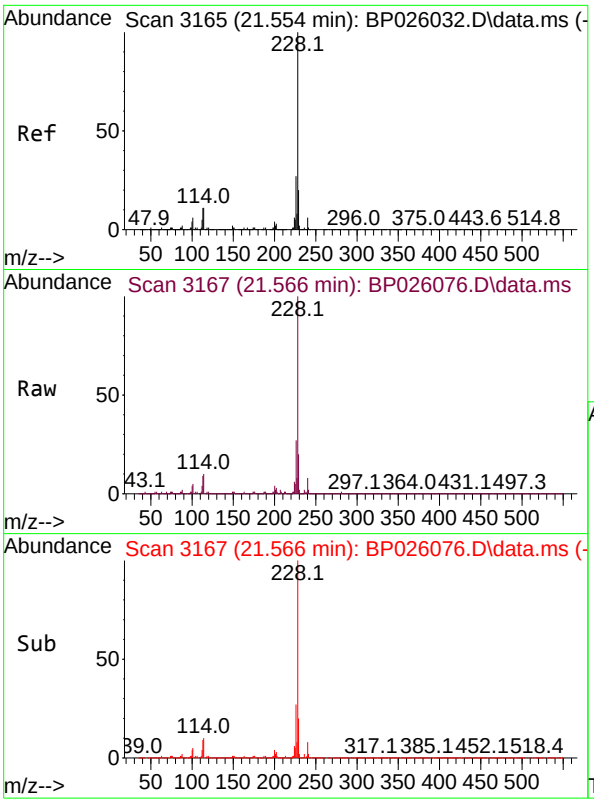


#80
Butylbenzylphthalate
Concen: 47.684 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:149 Resp: 2256439

Ion	Ratio	Lower	Upper
149	100		
91	67.0	53.5	80.3
206	20.9	16.6	25.0





#81
Benzo(a)anthracene
Concen: 40.402 ng
RT: 21.566 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

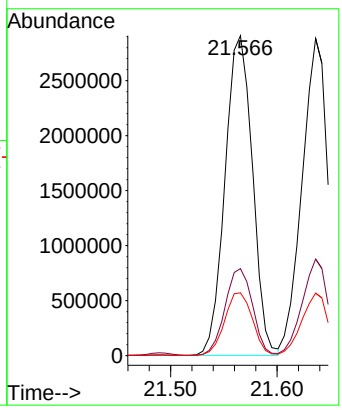
Tgt Ion:228 Resp: 520531

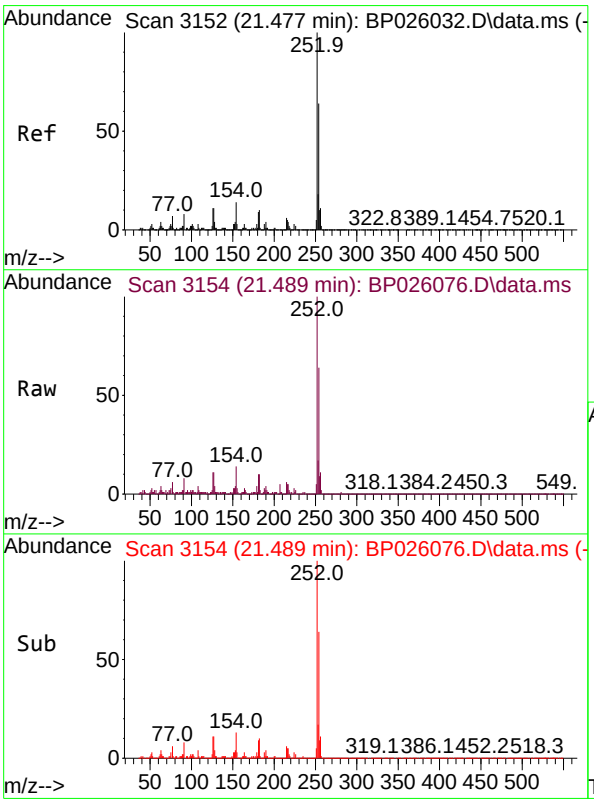
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	19.6	15.8	23.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

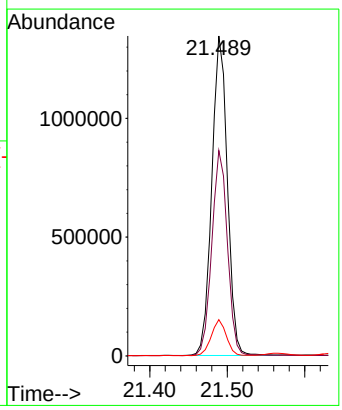


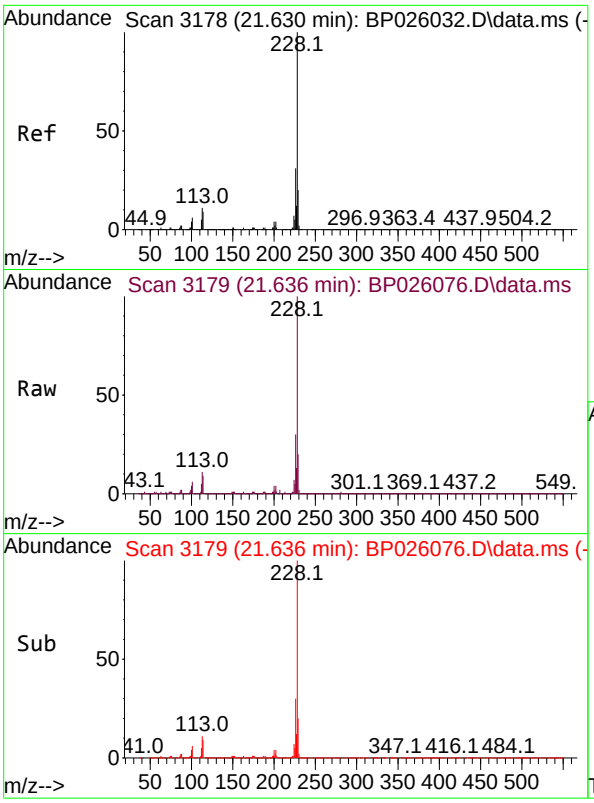


#82
3,3'-Dichlorobenzidine
Concen: 45.223 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:252 Resp: 1877270

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.3	76.9
126	11.3	9.1	13.7





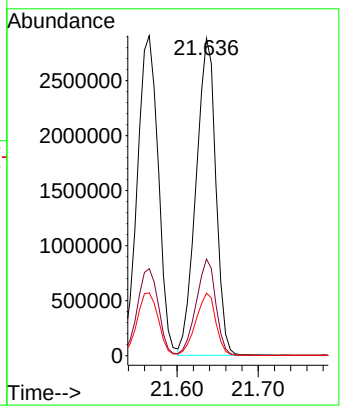
#83
Chrysene
Concen: 39.940 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

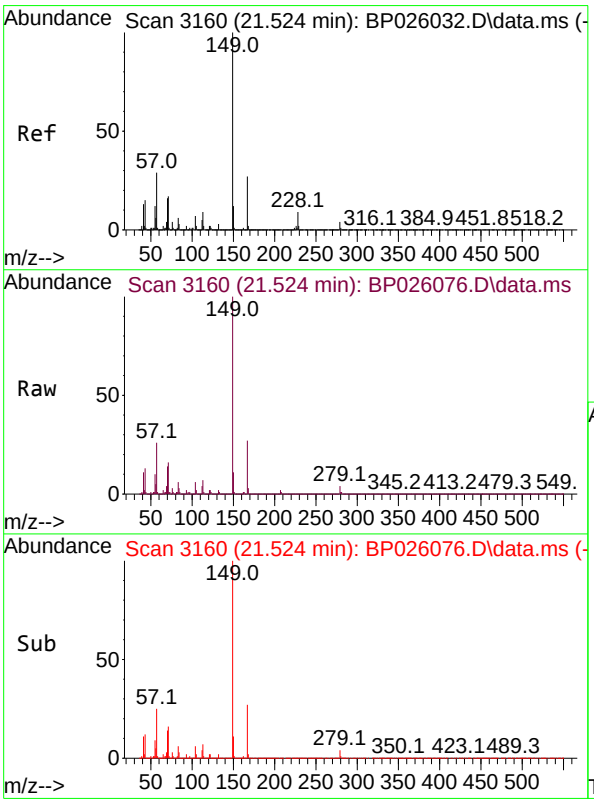
Tgt Ion:228 Resp: 487449

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	19.7	16.0	24.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

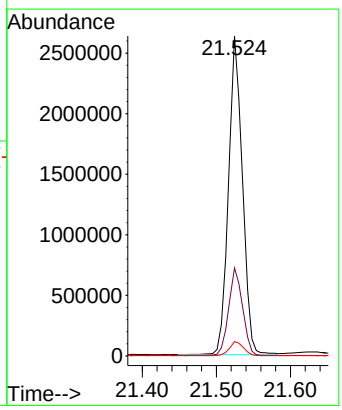


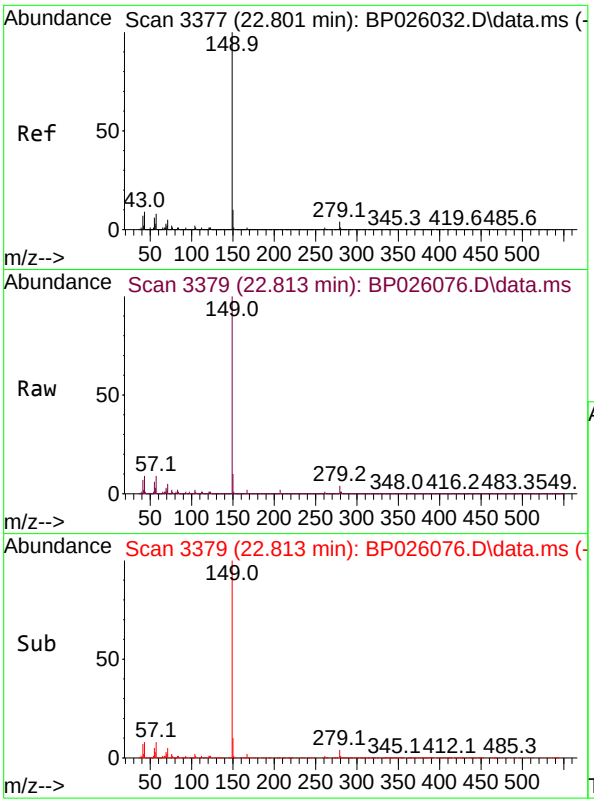


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.664 ng
RT: 21.524 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:149 Resp: 3440370

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.5	32.3
279	4.5	3.0	4.6





#85
Di-n-octyl phthalate
Concen: 54.353 ng
RT: 22.813 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

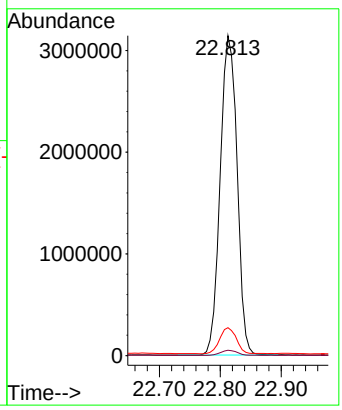
Tgt Ion:149 Resp: 606634

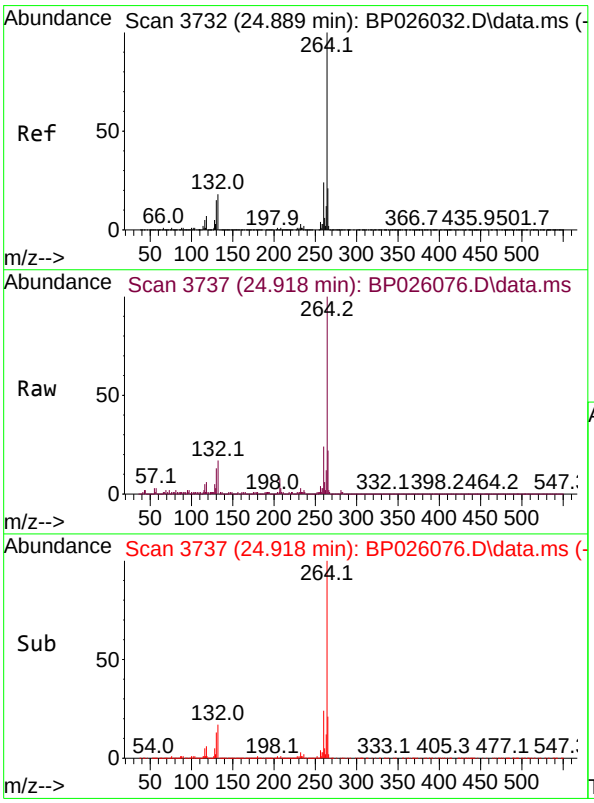
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.1	7.6	11.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

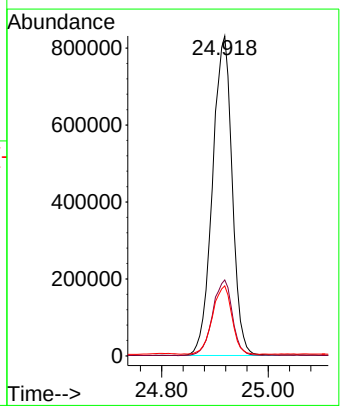


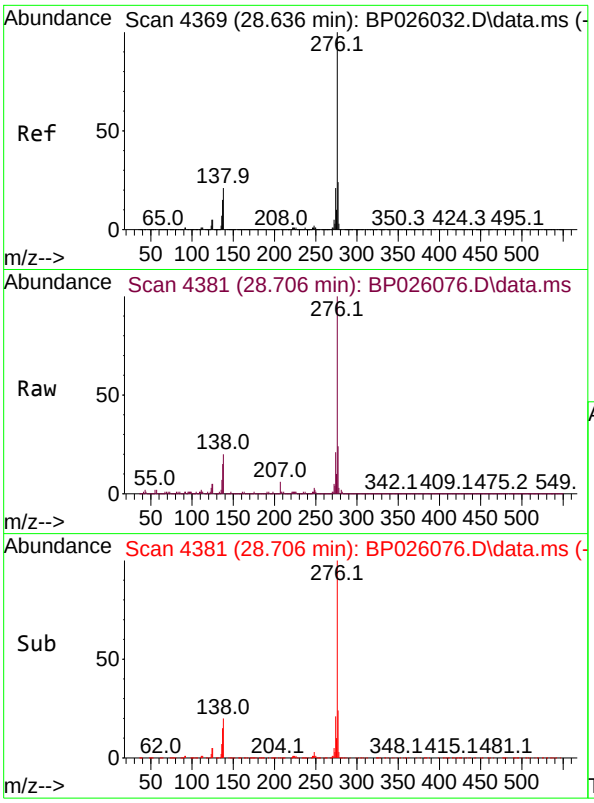


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 3737
Delta R.T. 0.036 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:264 Resp: 2125998

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.9	17.2	25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.876 ng
RT: 28.706 min Scan# 4
Delta R.T. 0.047 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

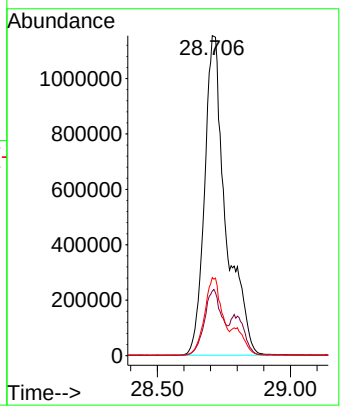
Tgt Ion:276 Resp: 641573

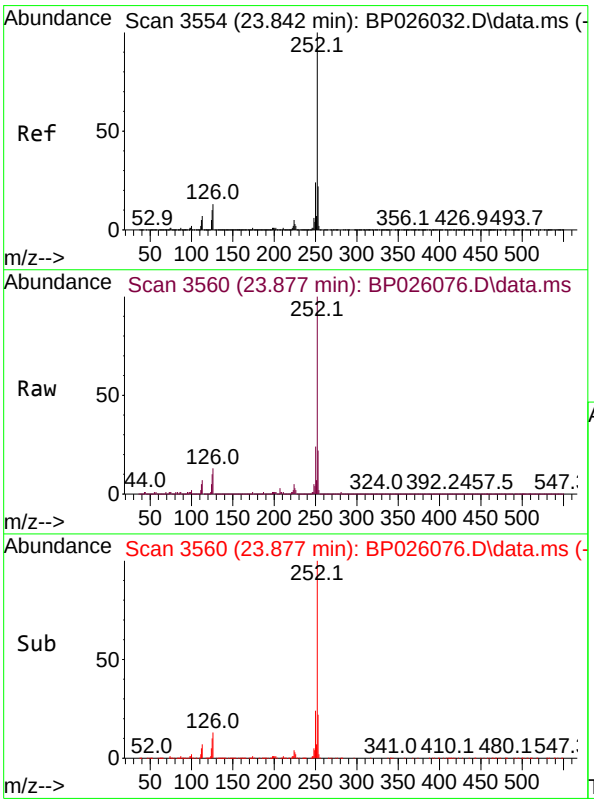
Ion	Ratio	Lower	Upper
276	100		
138	17.1	13.2	19.8
277	20.0	16.3	24.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

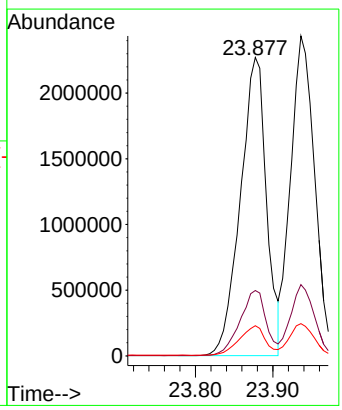


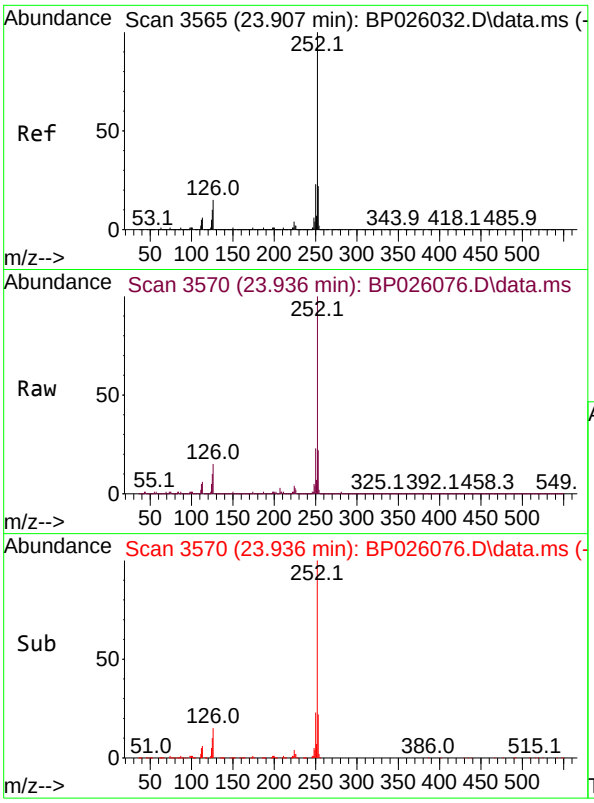


#88
Benzo(b)fluoranthene
Concen: 40.323 ng
RT: 23.877 min Scan# 3560
Delta R.T. 0.030 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:252 Resp: 5321865

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.1	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 38.719 ng
RT: 23.936 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

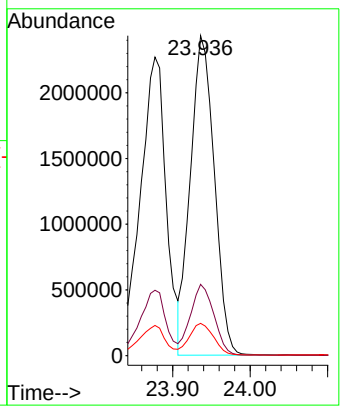
Tgt Ion:252 Resp: 5218308

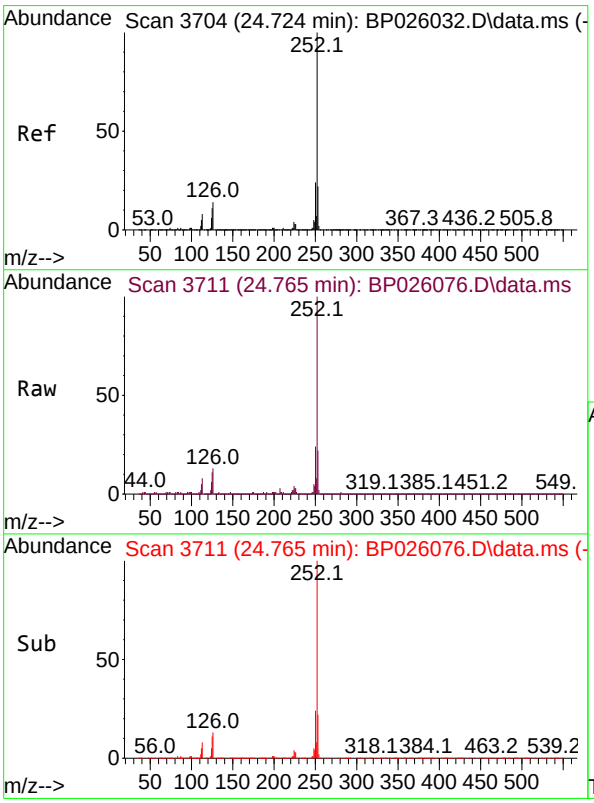
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.1	8.1	12.1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

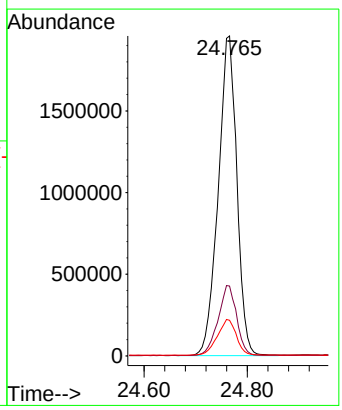


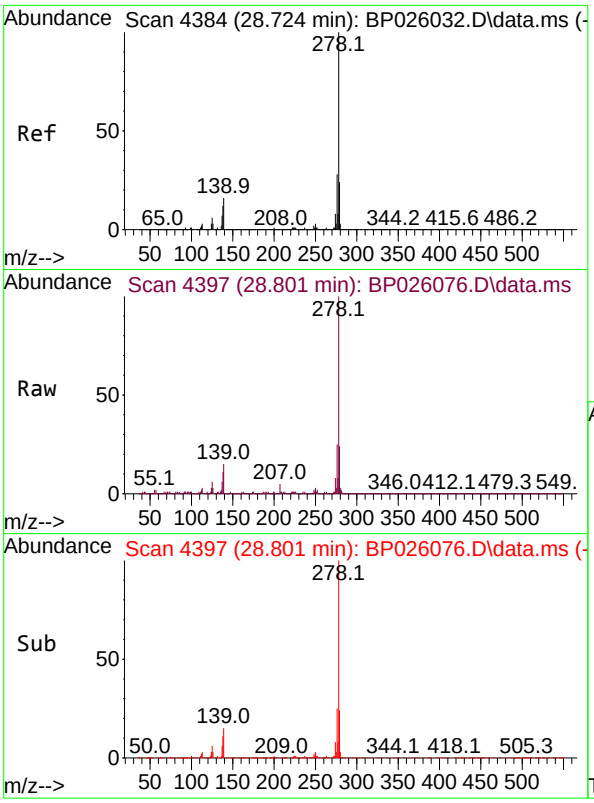


#90
Benzo(a)pyrene
Concen: 40.569 ng
RT: 24.765 min Scan# 3711
Delta R.T. 0.024 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:252 Resp: 4918962

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.1	9.1	13.7





#91
Dibenzo(a,h)anthracene
Concen: 41.186 ng
RT: 28.801 min Scan# 4
Delta R.T. 0.053 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

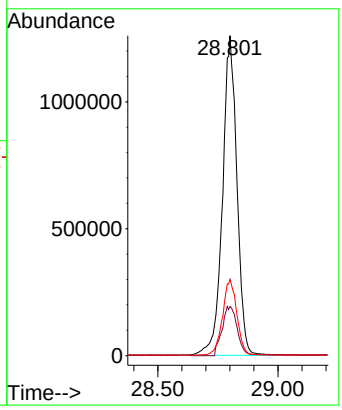
Tgt Ion:278 Resp: 526062

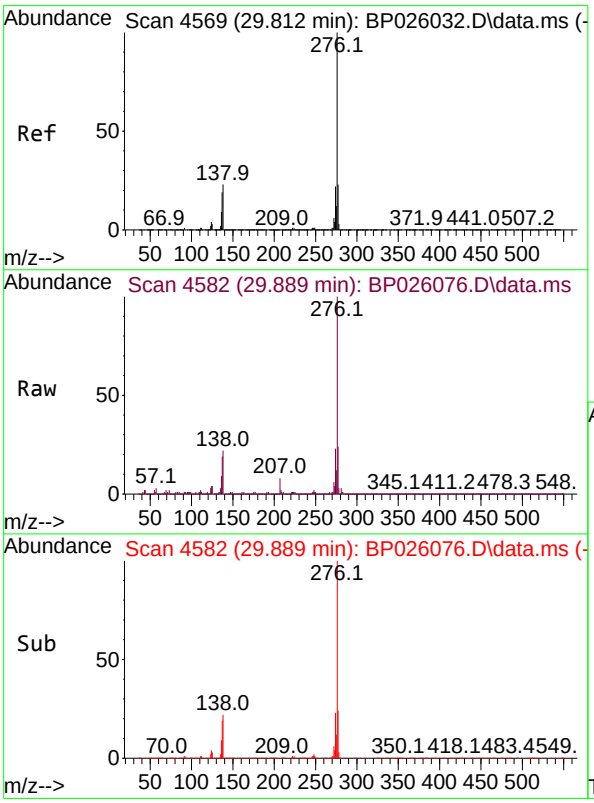
Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.6
279	23.8	18.9	28.3

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

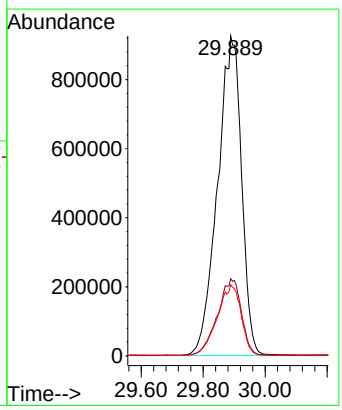




#92
Benzo(g,h,i)perylene
Concen: 40.404 ng
RT: 29.889 min Scan# 4582
Delta R.T. 0.059 min
Lab File: BP026076.D
Acq: 06 Nov 2025 13:25

Tgt Ion:276 Resp: 4966212

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.5	27.7
138	22.2	18.1	27.1



Sample Results: **BP026076.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026076.D
Acq On : 06 Nov 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 14:05:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	106	0.00
2		1,4-Dioxane	40.000	39.674	0.8	105	0.00
3		Pyridine	40.000	40.407	-1.0	105	0.00
4		n-Nitrosodimethylamine	40.000	38.321	4.2	101	0.00
5	S	2-Fluorophenol	80.000	83.617	-4.5	108	0.00
6		Aniline	40.000	41.175	-2.9	107	0.00
7	S	Phenol-d6	80.000	85.713	-7.1	109	0.00
8		2-Chlorophenol	40.000	44.113	-10.3	112	0.00
9		Benzaldehyde	40.000	40.347	-0.9	106	0.00
10	C	Phenol	40.000	41.994	-5.0	108	0.00
11		bis(2-Chloroethyl)ether	40.000	40.414	-1.0	106	-0.01
12		1,3-Dichlorobenzene	40.000	40.667	-1.7	106	0.00
13	C	1,4-Dichlorobenzene	40.000	40.395	-1.0	106	0.00
14		1,2-Dichlorobenzene	40.000	40.515	-1.3	106	0.00
15		Benzyl Alcohol	40.000	44.066	-10.2	114	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.148	4.6	99	0.00
17		2-Methylphenol	40.000	42.660	-6.6	108	0.00
18		Hexachloroethane	40.000	42.683	-6.7	110	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	43.460	-8.7	108	-0.01
20		3+4-Methylphenols	40.000	43.241	-8.1	111	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	109	0.00
22		Acetophenone	40.000	40.276	-0.7	107	0.00
23	S	Nitrobenzene-d5	80.000	88.059	-10.1	114	0.00
24		Nitrobenzene	40.000	42.489	-6.2	110	0.00
25		Isophorone	40.000	42.702	-6.8	111	0.00
26	C	2-Nitrophenol	40.000	57.288	-43.2#	154	0.00
27		2,4-Dimethylphenol	40.000	41.178	-2.9	107	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.192	-3.0	109	0.00
29	C	2,4-Dichlorophenol	40.000	44.521	-11.3	113	0.01
30		1,2,4-Trichlorobenzene	40.000	40.751	-1.9	108	0.00
31		Naphthalene	40.000	40.013	-0.0	107	0.00
32		Benzoic acid	40.000	56.811	-42.0#	172	-0.01
33		4-Chloroaniline	40.000	41.880	-4.7	109	0.00
34	C	Hexachlorobutadiene	40.000	40.824	-2.1	108	0.00
35		Caprolactam	40.000	47.099	-17.7	122	-0.01
36	C	4-Chloro-3-methylphenol	40.000	45.979	-14.9	116	0.00
37		2-Methylnaphthalene	40.000	41.848	-4.6	109	0.01
38		1-Methylnaphthalene	40.000	41.569	-3.9	109	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.053	-0.1	112	0.01
41	P	Hexachlorocyclopentadiene	40.000	49.229	-23.1	135	0.00
42	S	2,4,6-Tribromophenol	80.000	99.438	-24.3	130	0.00
43	C	2,4,6-Trichlorophenol	40.000	46.922	-17.3	123	0.01
44		2,4,5-Trichlorophenol	40.000	45.337	-13.3	119	0.02
45	S	2-Fluorobiphenyl	80.000	77.423	3.2	108	0.00
46		1,1'-Biphenyl	40.000	39.499	1.3	111	0.01
47		2-Chloronaphthalene	40.000	39.734	0.7	111	0.01

Sample Results: **BP026076.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026076.D
Acq On : 06 Nov 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 14:05:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.750	-11.9	130	0.00
49		Acenaphthylene	40.000	40.331	-0.8	110	0.00
50		Dimethylphthalate	40.000	42.710	-6.8	117	0.00
51		2,6-Dinitrotoluene	40.000	45.582	-14.0	134	0.01
52	C	Acenaphthene	40.000	38.666	3.3	107	0.00
53		3-Nitroaniline	40.000	44.369	-10.9	128	0.01
54	P	2,4-Dinitrophenol	40.000	58.251	-45.6#	186	0.01
55		Dibenzofuran	40.000	39.688	0.8	111	0.00
56	P	4-Nitrophenol	40.000	44.118	-10.3	128	0.01
57		2,4-Dinitrotoluene	40.000	45.938	-14.8	133	0.02
58		Fluorene	40.000	39.967	0.1	112	0.01
59		2,3,4,6-Tetrachlorophenol	40.000	49.851	-24.6	129	0.00
60		Diethylphthalate	40.000	43.300	-8.2	117	0.00
61		4-Chlorophenyl-phenylether	40.000	40.144	-0.4	112	0.00
62		4-Nitroaniline	40.000	47.630	-19.1	124	0.00
63		Azobenzene	40.000	39.832	0.4	109	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	116	0.02
65		4,6-Dinitro-2-methylphenol	40.000	55.466	-38.7#	178	0.02
66	c	n-Nitrosodiphenylamine	40.000	40.304	-0.8	113	0.00
67		4-Bromophenyl-phenylether	40.000	42.144	-5.4	118	0.00
68		Hexachlorobenzene	40.000	41.596	-4.0	118	0.00
69		Atrazine	40.000	42.711	-6.8	119	0.00
70	C	Pentachlorophenol	40.000	72.285	-80.7#	201	0.01
71		Phenanthrene	40.000	39.502	1.2	112	0.01
72		Anthracene	40.000	40.254	-0.6	114	0.01
73		Carbazole	40.000	40.684	-1.7	114	0.01
74		Di-n-butylphthalate	40.000	45.338	-13.3	120	0.01
75	C	Fluoranthene	40.000	40.678	-1.7	113	0.01
76	I	Chrysene-d12	20.000	20.000	0.0	114	0.02
77		Benzidine	40.000	45.504	-13.8	127	0.01
78		Pyrene	40.000	41.190	-3.0	111	0.01
79	S	Terphenyl-d14	80.000	81.258	-1.6	112	0.00
80		Butylbenzylphthalate	40.000	47.684	-19.2	138	0.00
81		Benzo(a)anthracene	40.000	40.402	-1.0	111	0.02
82		3,3'-Dichlorobenzidine	40.000	45.223	-13.1	123	0.01
83		Chrysene	40.000	39.940	0.2	110	0.02
84		Bis(2-ethylhexyl)phthalate	40.000	45.664	-14.2	126	0.00
85	c	Di-n-octyl phthalate	40.000	54.353	-35.9#	143	0.01
86	I	Perylene-d12	20.000	20.000	0.0	121	0.04
87		Indeno(1,2,3-cd)pyrene	40.000	40.876	-2.2	117	0.05
88		Benzo(b)fluoranthene	40.000	40.323	-0.8	116	0.03
89		Benzo(k)fluoranthene	40.000	38.719	3.2	111	0.01
90	C	Benzo(a)pyrene	40.000	40.569	-1.4	115	0.02
91		Dibenzo(a,h)anthracene	40.000	41.186	-3.0	117	0.05
92		Benzo(g,h,i)perylene	40.000	40.404	-1.0	116	0.06

Sample Results: **BP026076.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026076.D
Acq On : 06 Nov 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 14:05:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 3

Sample Results: **BP026076.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026076.D
Acq On : 06 Nov 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 14:05:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2		1,4-Dioxane	0.511	0.507	0.8	105	0.00
3		Pyridine	1.453	1.467	-1.0	105	0.00
4		n-Nitrosodimethylamine	0.582	0.558	4.1	101	0.00
5	S	2-Fluorophenol	1.212	1.267	-4.5	108	0.00
6		Aniline	2.059	2.119	-2.9	107	0.00
7	S	Phenol-d6	1.543	1.653	-7.1	109	0.00
8		2-Chlorophenol	1.342	1.480	-10.3	112	0.00
9		Benzaldehyde	0.802	0.809	-0.9	106	0.00
10	C	Phenol	1.713	1.798	-5.0	108	0.00
11		bis(2-Chloroethyl)ether	1.352	1.366	-1.0	106	-0.01
12		1,3-Dichlorobenzene	1.541	1.567	-1.7	106	0.00
13	C	1,4-Dichlorobenzene	1.558	1.574	-1.0	106	0.00
14		1,2-Dichlorobenzene	1.487	1.506	-1.3	106	0.00
15		Benzyl Alcohol	1.112	1.225	-10.2	114	0.00
16		2,2'-oxybis(1-Chloropropane	2.043	1.948	4.7	99	0.00
17		2-Methylphenol	1.121	1.196	-6.7	108	0.00
18		Hexachloroethane	0.533	0.569	-6.8	110	0.00
19	P	n-Nitroso-di-n-propylamine	0.958	1.040	-8.6	108	-0.01
20		3+4-Methylphenols	1.560	1.687	-8.1	111	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	109	0.00
22		Acetophenone	0.506	0.509	-0.6	107	0.00
23	S	Nitrobenzene-d5	0.321	0.353	-10.0	114	0.00
24		Nitrobenzene	0.339	0.360	-6.2	110	0.00
25		Isophorone	0.687	0.733	-6.7	111	0.00
26	C	2-Nitrophenol	0.104	0.180	-73.1#	154#	0.00
27		2,4-Dimethylphenol	0.289	0.297	-2.8	107	0.00
28		bis(2-Chloroethoxy)methane	0.433	0.446	-3.0	109	0.00
29	C	2,4-Dichlorophenol	0.305	0.339	-11.1	113	0.01
30		1,2,4-Trichlorobenzene	0.331	0.338	-2.1	108	0.00
31		Naphthalene	1.091	1.091	0.0	107	0.00
32		Benzoic acid	0.163	0.265	-62.6#	172#	-0.01
33		4-Chloroaniline	0.419	0.439	-4.8	109	0.00
34	C	Hexachlorobutadiene	0.211	0.215	-1.9	108	0.00
35		Caprolactam	0.107	0.126	-17.8	122	-0.01
36	C	4-Chloro-3-methylphenol	0.320	0.367	-14.7	116	0.00
37		2-Methylnaphthalene	0.763	0.799	-4.7	109	0.01
38		1-Methylnaphthalene	0.742	0.771	-3.9	109	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	0.621	0.622	-0.2	112	0.01
41	P	Hexachlorocyclopentadiene	0.227	0.280	-23.3	135	0.00
42	S	2,4,6-Tribromophenol	0.216	0.269	-24.5	130	0.00
43	C	2,4,6-Trichlorophenol	0.367	0.431	-17.4	123	0.01
44		2,4,5-Trichlorophenol	0.419	0.475	-13.4	119	0.02
45	S	2-Fluorobiphenyl	1.392	1.347	3.2	108	0.00
46		1,1'-Biphenyl	1.531	1.512	1.2	111	0.01
47		2-Chloronaphthalene	1.205	1.197	0.7	111	0.01

Sample Results: **BP026076.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026076.D
Acq On : 06 Nov 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 14:05:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.272	0.345	-26.8#	130	0.00
49		Acenaphthylene	1.756	1.771	-0.9	110	0.00
50		Dimethylphthalate	1.455	1.553	-6.7	117	0.00
51		2,6-Dinitrotoluene	0.237	0.308	-30.0#	134	0.01
52	C	Acenaphthene	1.206	1.165	3.4	107	0.00
53		3-Nitroaniline	0.291	0.362	-24.4	128	0.01
54	P	2,4-Dinitrophenol	0.100	0.163	-63.0#	186#	0.01
55		Dibenzofuran	1.822	1.807	0.8	111	0.00
56	P	4-Nitrophenol	0.290	0.320	-10.3	128	0.01
57		2,4-Dinitrotoluene	0.347	0.457	-31.7#	133	0.02
58		Fluorene	1.427	1.426	0.1	112	0.01
59		2,3,4,6-Tetrachlorophenol	0.330	0.411	-24.5	129	0.00
60		Diethylphthalate	1.463	1.583	-8.2	117	0.00
61		4-Chlorophenyl-phenylether	0.713	0.715	-0.3	112	0.00
62		4-Nitroaniline	0.311	0.370	-19.0	124	0.00
63		Azobenzene	1.325	1.320	0.4	109	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	116	0.02
65		4,6-Dinitro-2-methylphenol	0.077	0.118	-53.2#	178#	0.02
66	c	n-Nitrosodiphenylamine	0.625	0.630	-0.8	113	0.00
67		4-Bromophenyl-phenylether	0.222	0.234	-5.4	118	0.00
68		Hexachlorobenzene	0.253	0.263	-4.0	118	0.00
69		Atrazine	0.211	0.225	-6.6	119	0.00
70	C	Pentachlorophenol	0.154	0.279	-81.2#	201#	0.01
71		Phenanthrene	1.164	1.150	1.2	112	0.01
72		Anthracene	1.154	1.161	-0.6	114	0.01
73		Carbazole	1.092	1.111	-1.7	114	0.01
74		Di-n-butylphthalate	1.222	1.385	-13.3	120	0.01
75	C	Fluoranthene	1.358	1.381	-1.7	113	0.01
76	I	Chrysene-d12	1.000	1.000	0.0	114	0.02
77		Benzidine	0.508	0.577	-13.6	127	0.01
78		Pyrene	1.353	1.393	-3.0	111	0.01
79	S	Terphenyl-d14	0.984	1.000	-1.6	112	0.00
80		Butylbenzylphthalate	0.432	0.602	-39.4#	138	0.00
81		Benzo(a)anthracene	1.374	1.388	-1.0	111	0.02
82		3,3'-Dichlorobenzidine	0.443	0.501	-13.1	123	0.01
83		Chrysene	1.302	1.300	0.2	110	0.02
84		Bis(2-ethylhexyl)phthalate	0.718	0.917	-27.7#	126	0.00
85	c	Di-n-octyl phthalate	1.191	1.618	-35.9#	143	0.01
86	I	Perylene-d12	1.000	1.000	0.0	121	0.04
87		Indeno(1,2,3-cd)pyrene	1.477	1.509	-2.2	117	0.05
88		Benzo(b)fluoranthene	1.242	1.252	-0.8	116	0.03
89		Benzo(k)fluoranthene	1.268	1.227	3.2	111	0.01
90	C	Benzo(a)pyrene	1.141	1.157	-1.4	115	0.02
91		Dibenzo(a,h)anthracene	1.202	1.237	-2.9	117	0.05
92		Benzo(g,h,i)perylene	1.156	1.168	-1.0	116	0.06

Sample Results: **BP026076.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026076.D
Acq On : 06 Nov 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 14:05:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 3

QC SAMPLE DATA

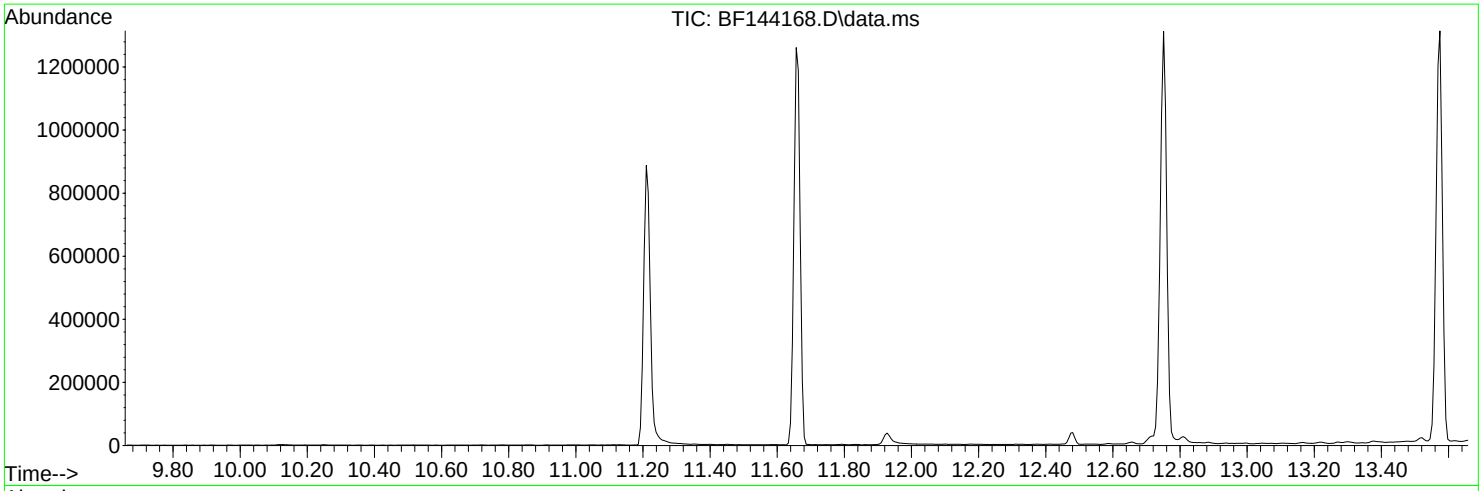
Sample Results: **BF144168.D**

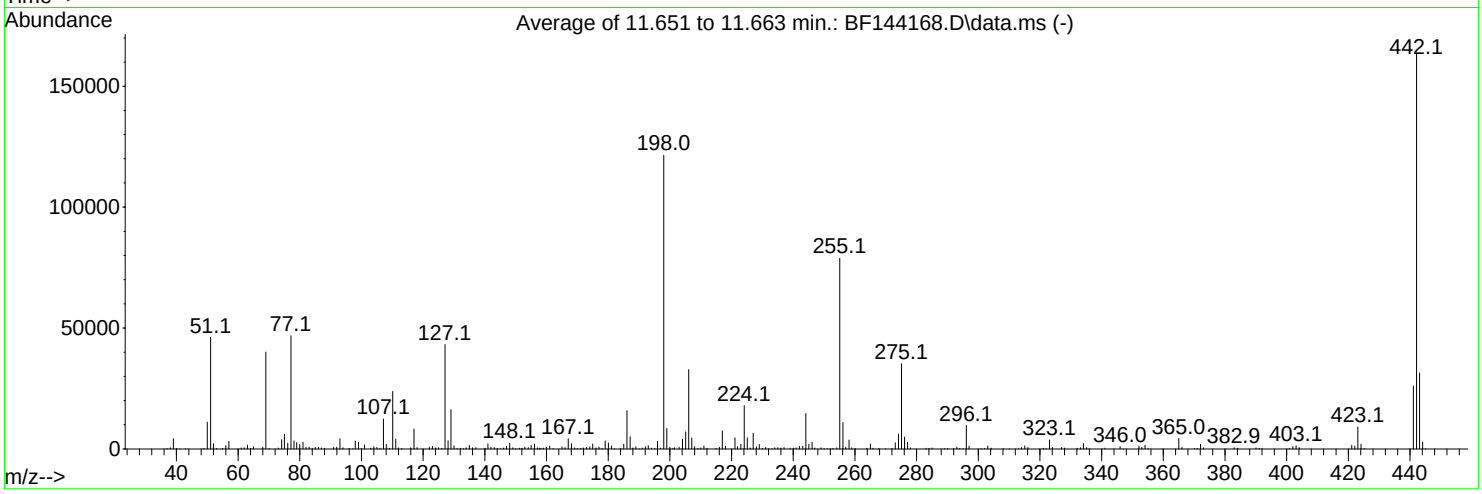
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144168.D
Acq On : 05 Nov 2025 12:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025





AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	709	PASS
69	69	100	100	100.0	40048	PASS
70	69	0.00	2	0.6	222	PASS
197	198	0.00	2	0.3	378	PASS
198	198	100	100	100.0	121493	PASS
199	198	5	9	6.9	8441	PASS
365	198	1	100	3.6	4315	PASS
441	443	0.01	150	82.6	26027	PASS
442	442	100	100	100.0	163299	PASS
443	442	15	24	19.3	31501	PASS

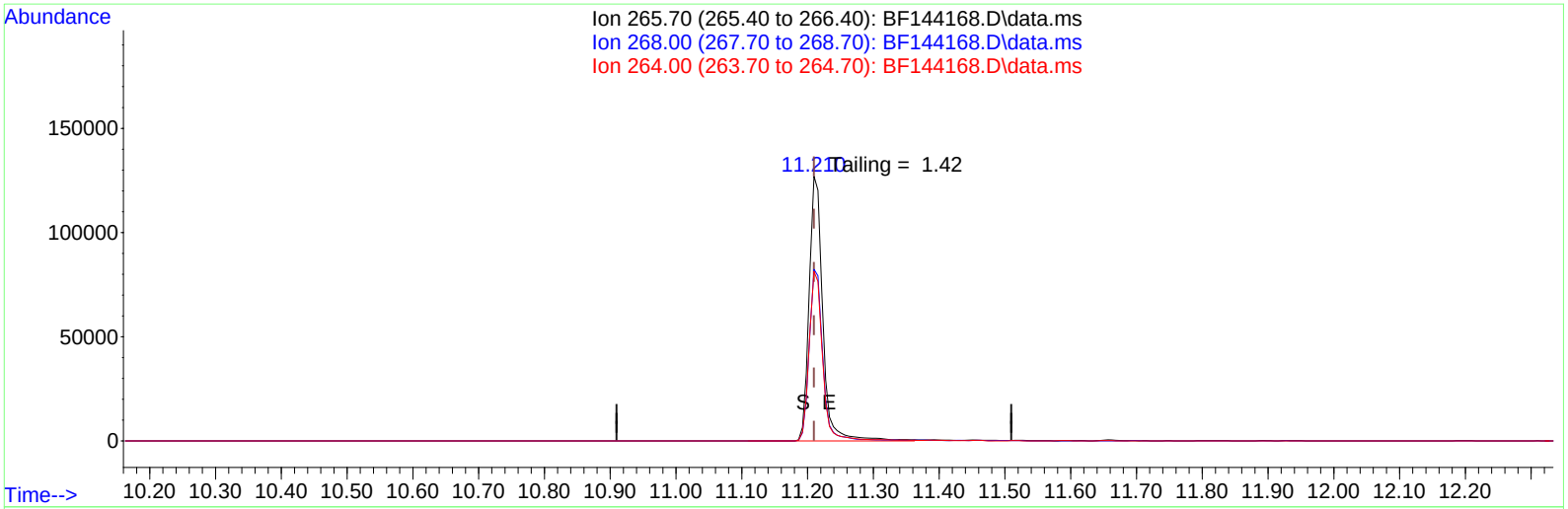
Quantitation Report (Qedit)

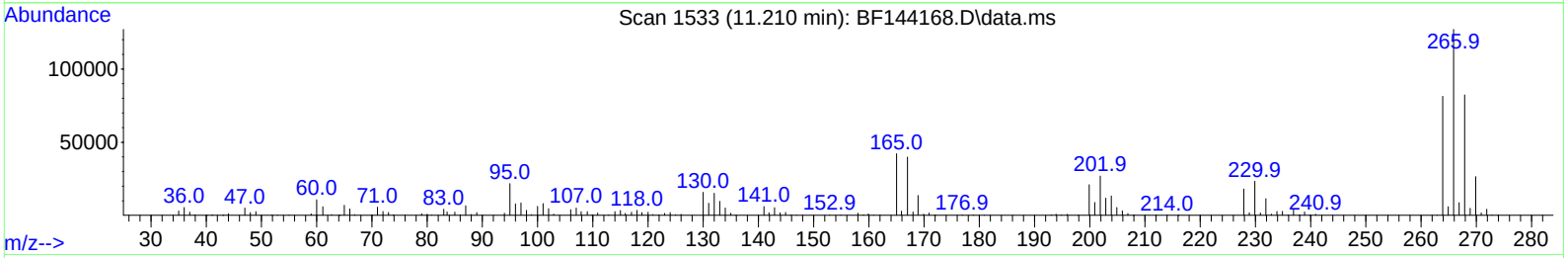
Sample Results: **BF144168.D**

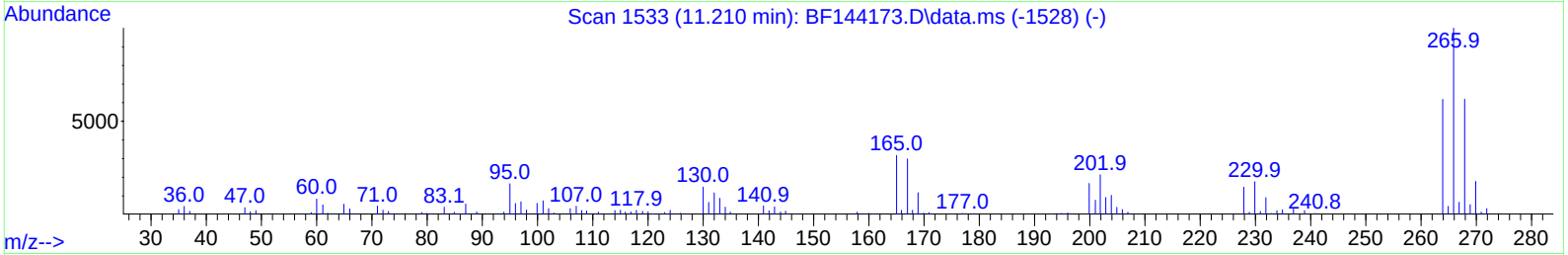
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144168.D
Acq On : 05 Nov 2025 12:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 05 15:24:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 15:17:46 2025
Response via : Initial Calibration







TIC: BF144168.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.000) 39632.00 ng

response 182948

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.90	64.79
264.00	61.80	64.01
0.00	0.00	0.00

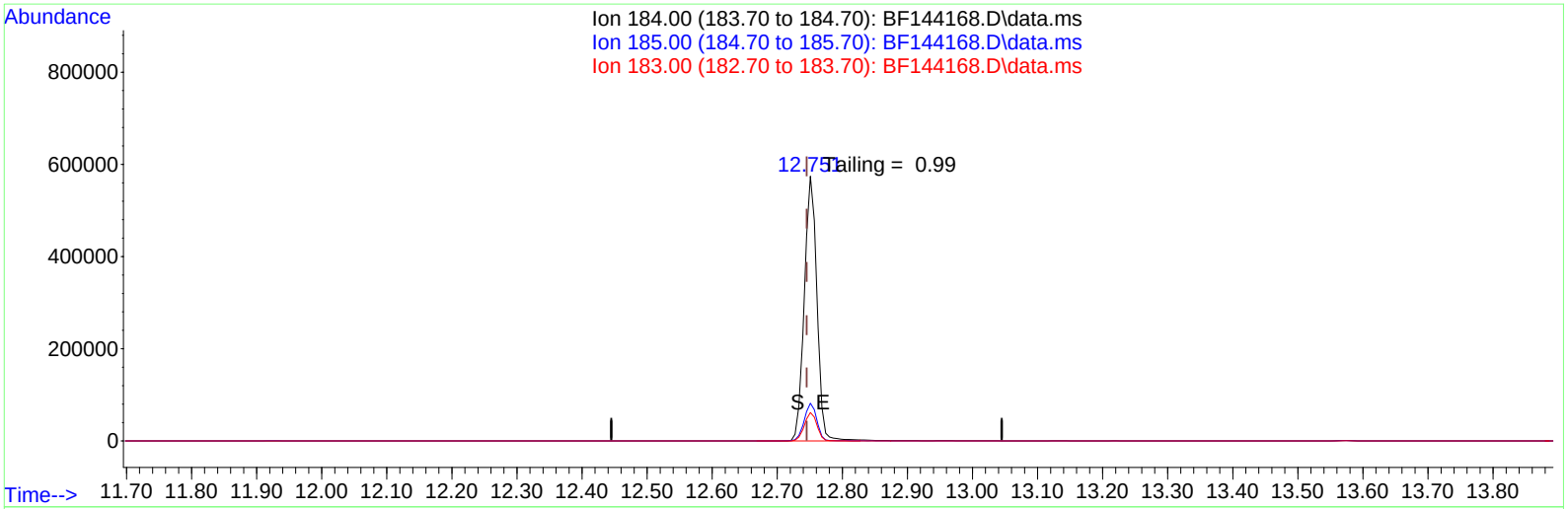
Quantitation Report (Qedit)

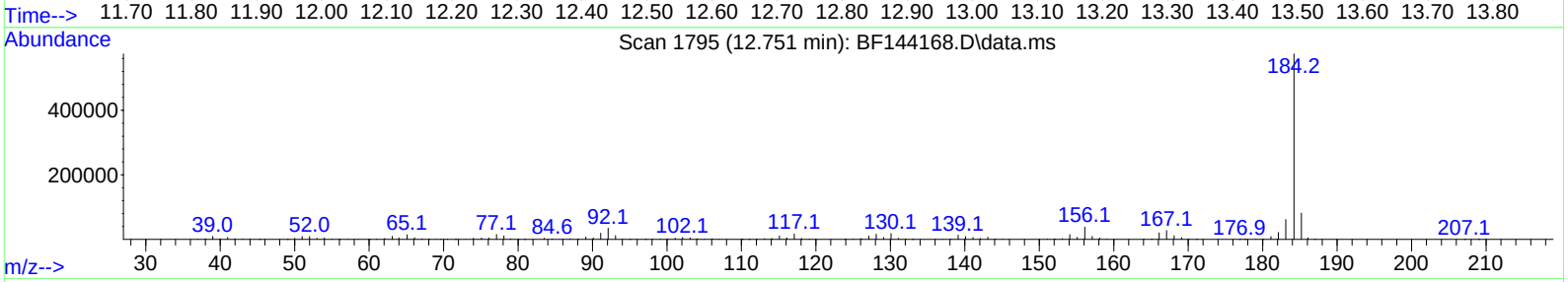
Sample Results: **BF144168.D**

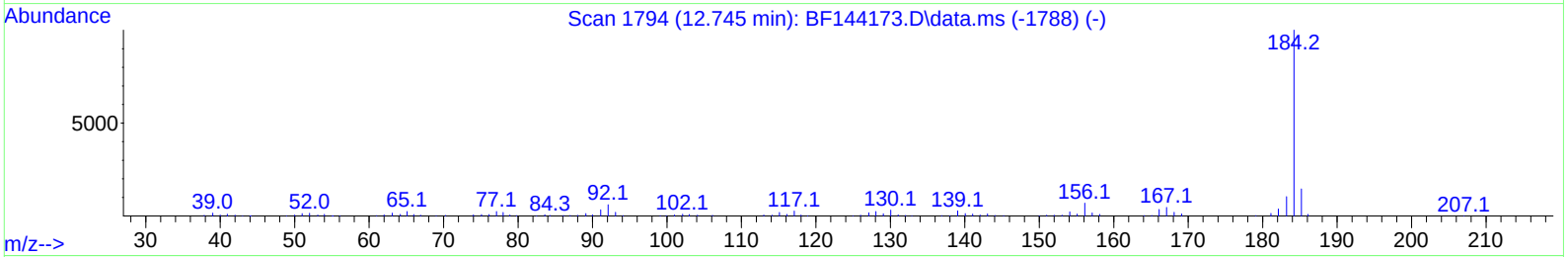
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144168.D
Acq On : 05 Nov 2025 12:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 05 15:24:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 15:17:46 2025
Response via : Initial Calibration







TIC: BF144168.D\data.ms

(77) Benzidine

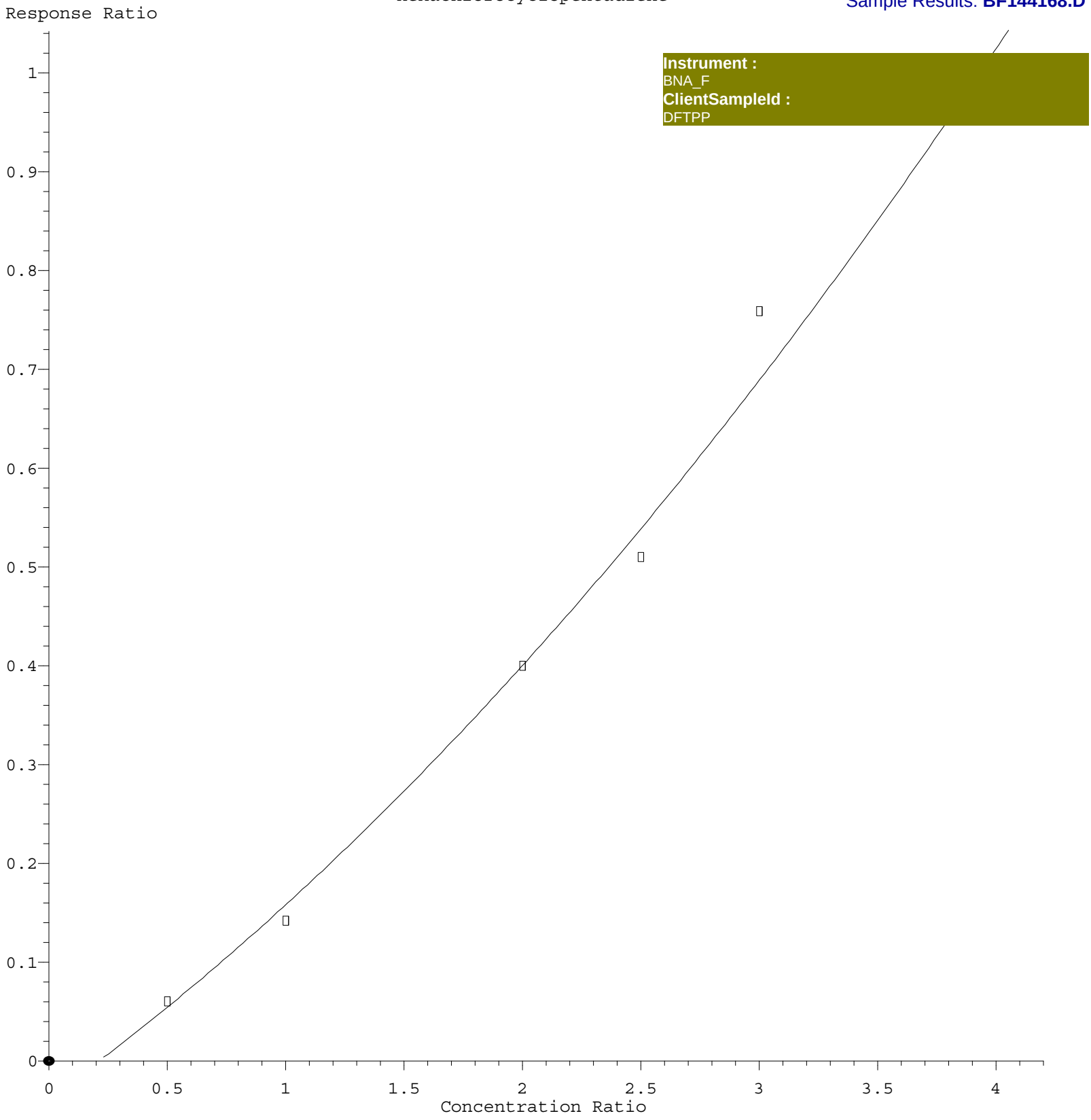
12.751min (+ 0.006) 0.00 ng

response 777212

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.24
183.00	10.40	10.75
0.00	0.00	0.00

Hexachlorocyclopentadiene

Sample Results: **BF144168.D**



R = 2.331e-002 A*A + 1.722e-001 A - 3.751e-002
Coef of Det (r^2) = 0.992660 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110525.M
Calibration Table Last Updated: Wed Nov 05 18:37:33 2025

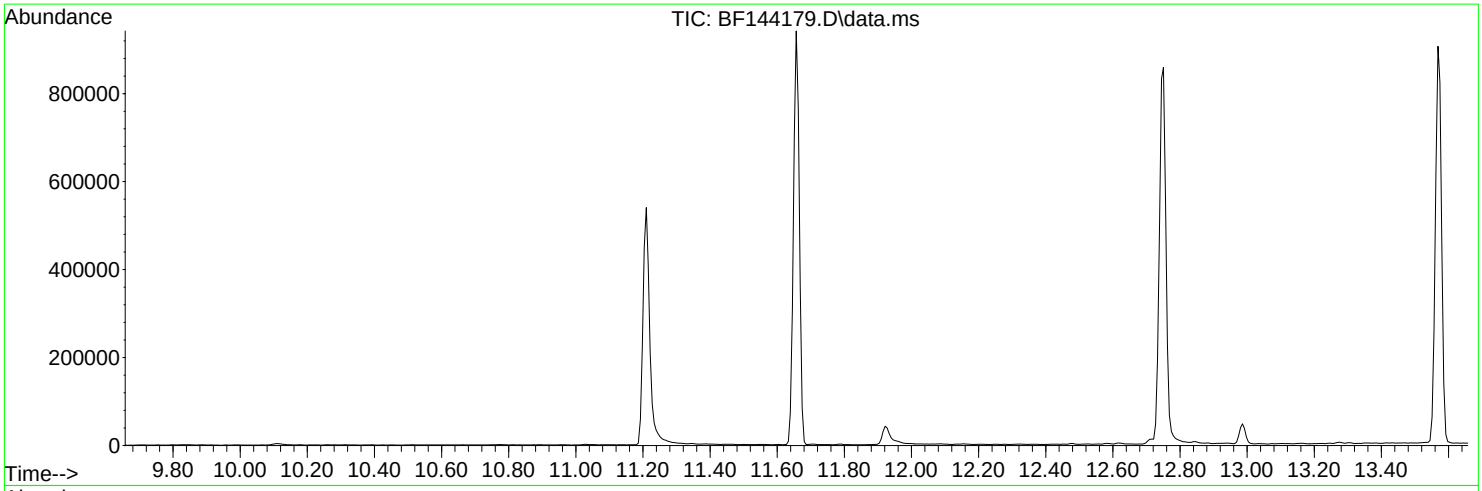
Sample Results: **BF144179.D**

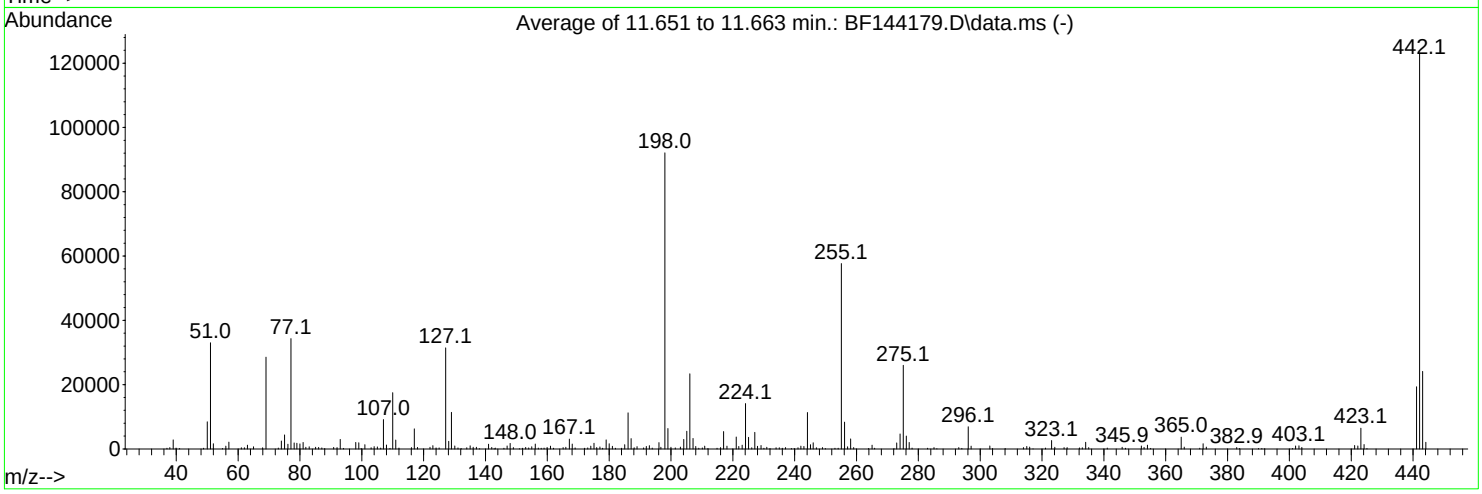
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144179.D
Acq On : 06 Nov 2025 10:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025





AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.4	388	PASS
69	69	100	100	100.0	28549	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.6	527	PASS
198	198	100	100	100.0	92085	PASS
199	198	5	9	6.9	6362	PASS
365	198	1	100	4.0	3685	PASS
441	443	0.01	150	80.1	19318	PASS
442	442	100	100	100.0	122819	PASS
443	442	15	24	19.6	24107	PASS

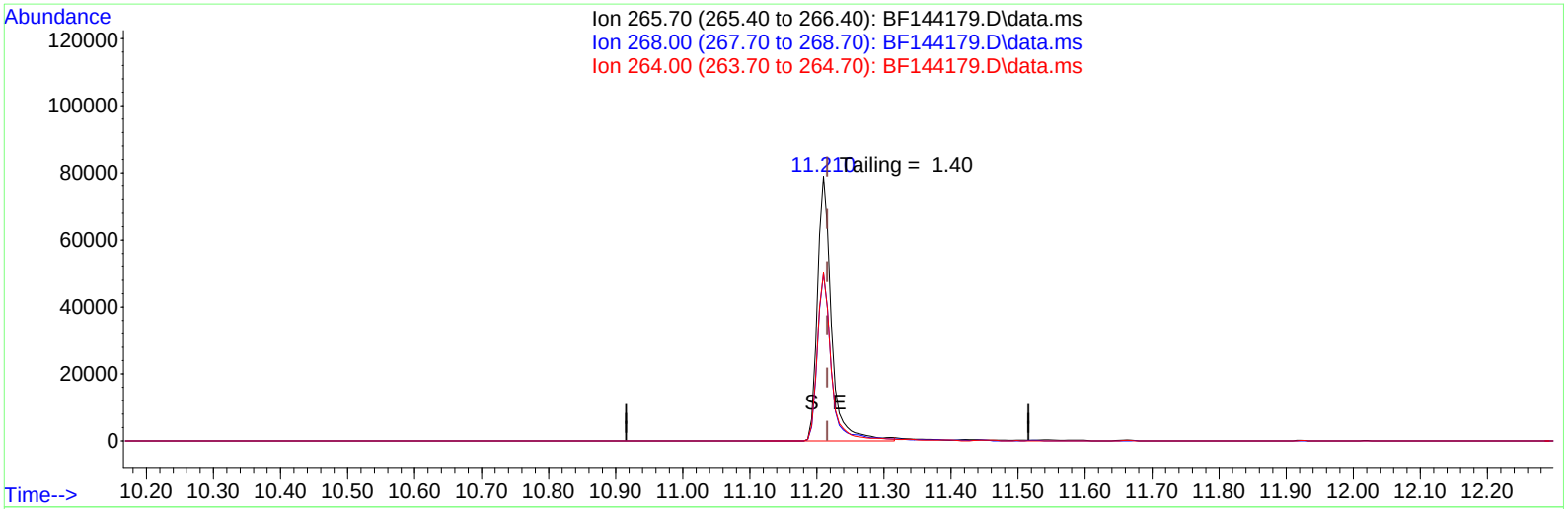
Quantitation Report (Qedit)

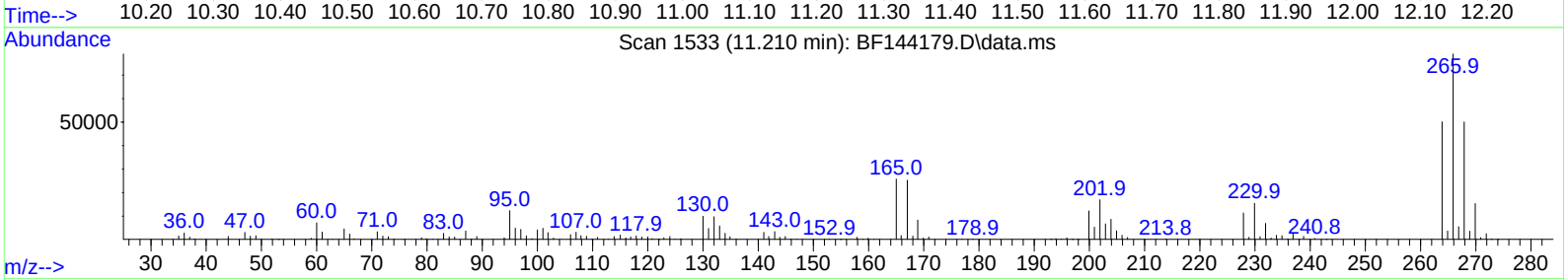
Sample Results: **BF144179.D**

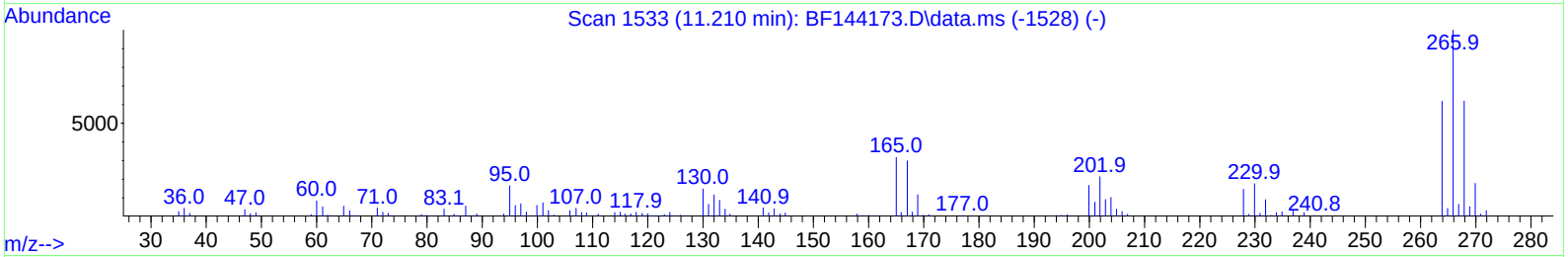
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144179.D
Acq On : 06 Nov 2025 10:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 06 11:08:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration







TIC: BF144179.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 79231.71 ng

response 113889

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.90	63.36
264.00	61.80	63.49
0.00	0.00	0.00

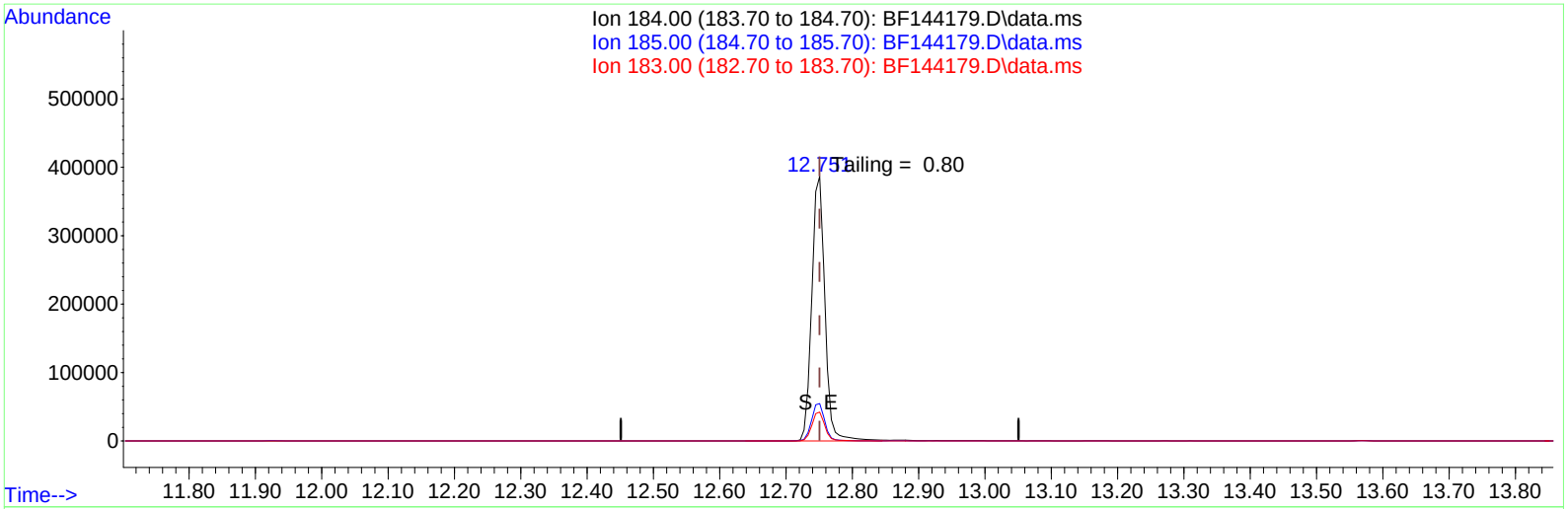
Quantitation Report (Qedit)

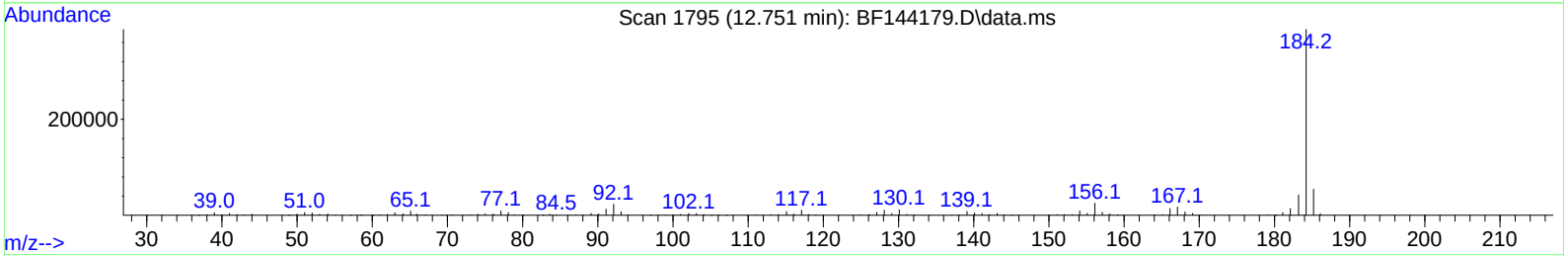
Sample Results: **BF144179.D**

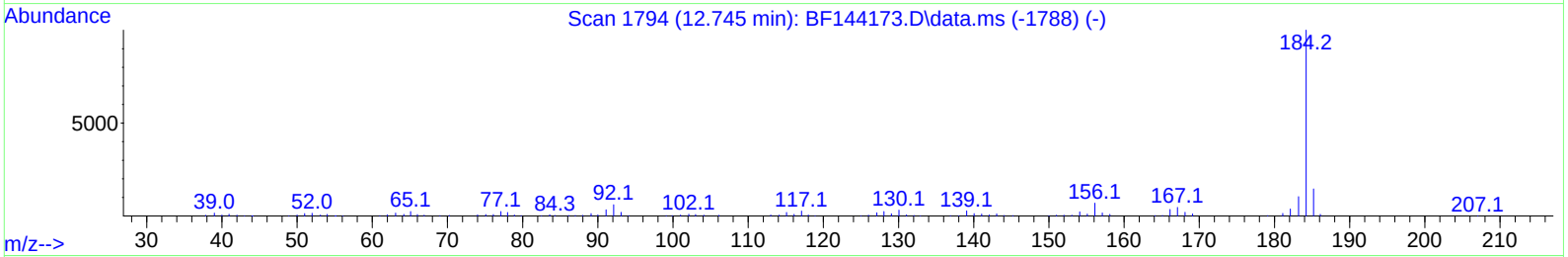
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144179.D
Acq On : 06 Nov 2025 10:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 06 11:08:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration







TIC: BF144179.D\data.ms

(77) Benzidine

12.751min (-0.000) 11408.92 ng

response 534549

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.13
183.00	10.40	10.92
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/6/2025	BNA_F	BF144179.D
Compound Name	**Response**	**Retention Time**
DDT	252393	13.568
DDD	2828	13.274
DDE	499	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
3327	255720	1.30

Instrument :
BNA_F
ClientSampleId :
DFTPP

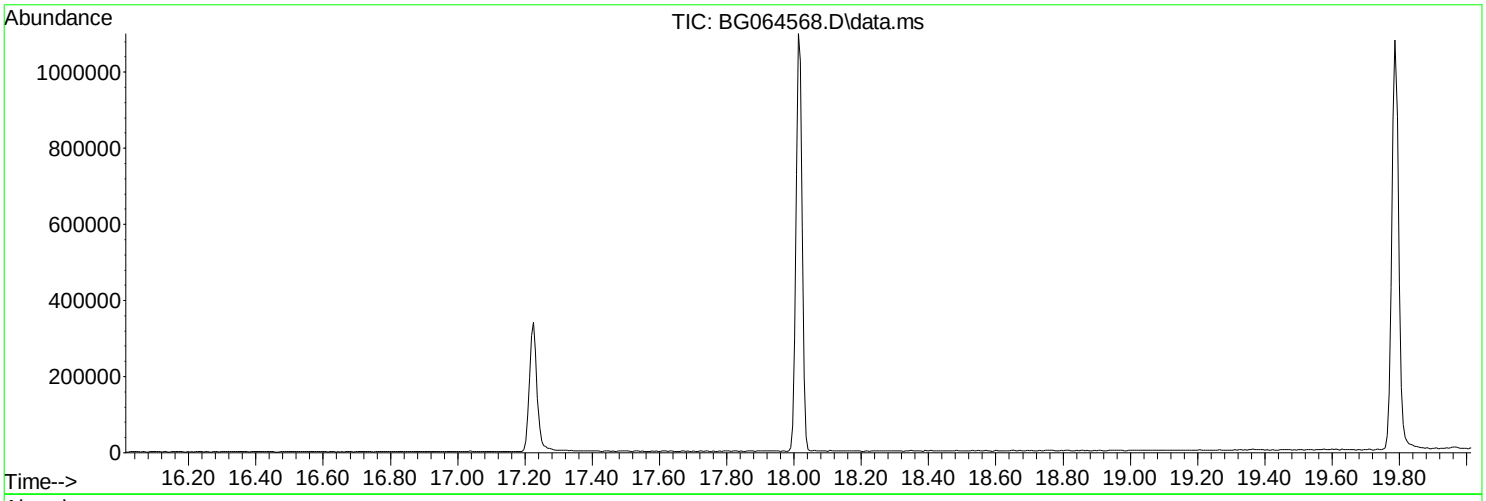
Sample Results: **BG064568.D**

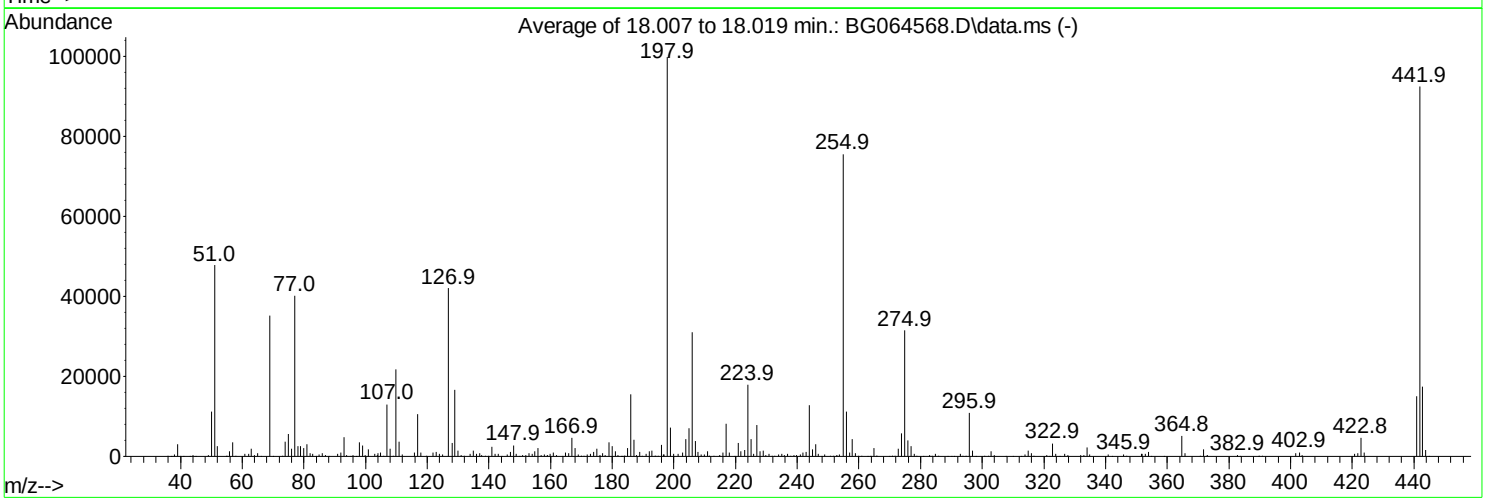
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025





AutoFind: Scans 2539, 2540, 2541; Background Corrected with Scan 2533

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	35203	PASS
70	69	0.00	2	0.2	70	PASS
197	198	0.00	2	0.4	428	PASS
198	198	100	100	100.0	99864	PASS
199	198	5	9	7.2	7222	PASS
365	198	1	100	5.1	5094	PASS
441	443	0.01	150	86.3	15073	PASS
442	442	100	100	100.0	92525	PASS
443	442	15	24	18.9	17468	PASS

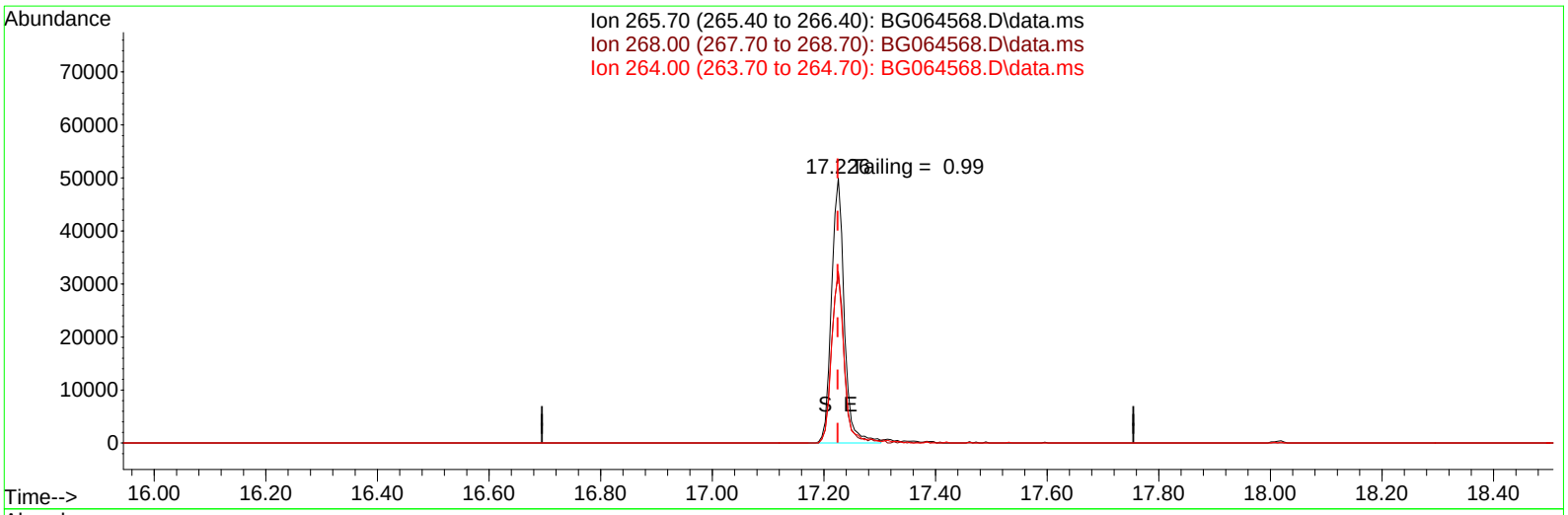
Quantitation Report (Qedit)

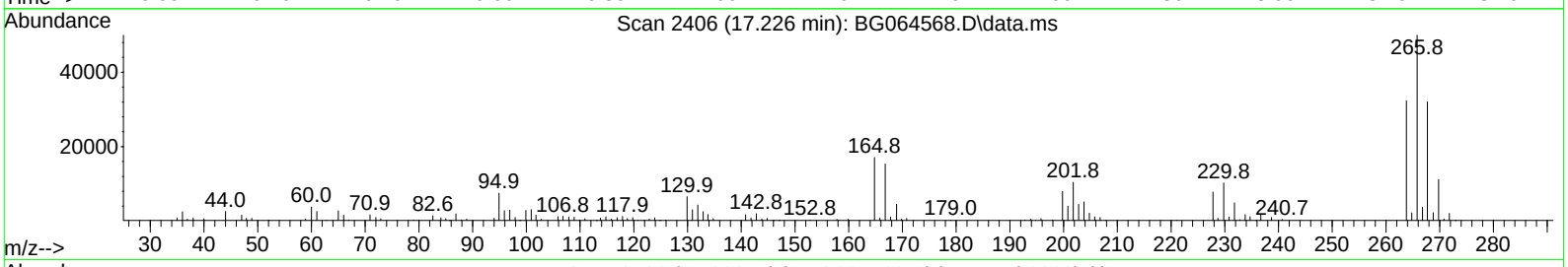
Sample Results: **BG064568.D**

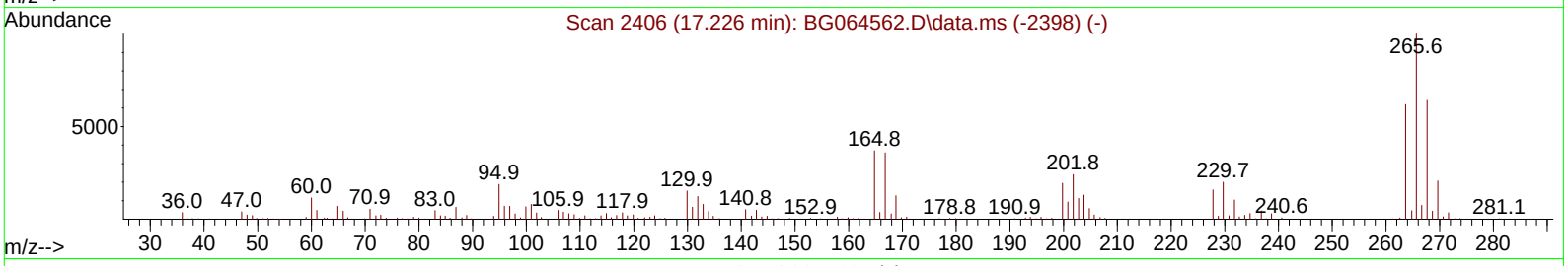
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration







TIC: BG064568.D\data.ms

(70) Pentachlorophenol (C)

17.226min (+ 0.001) 15878.32 ng

response 79720

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	69.10	64.11
264.00	61.90	64.80
0.00	0.00	0.00

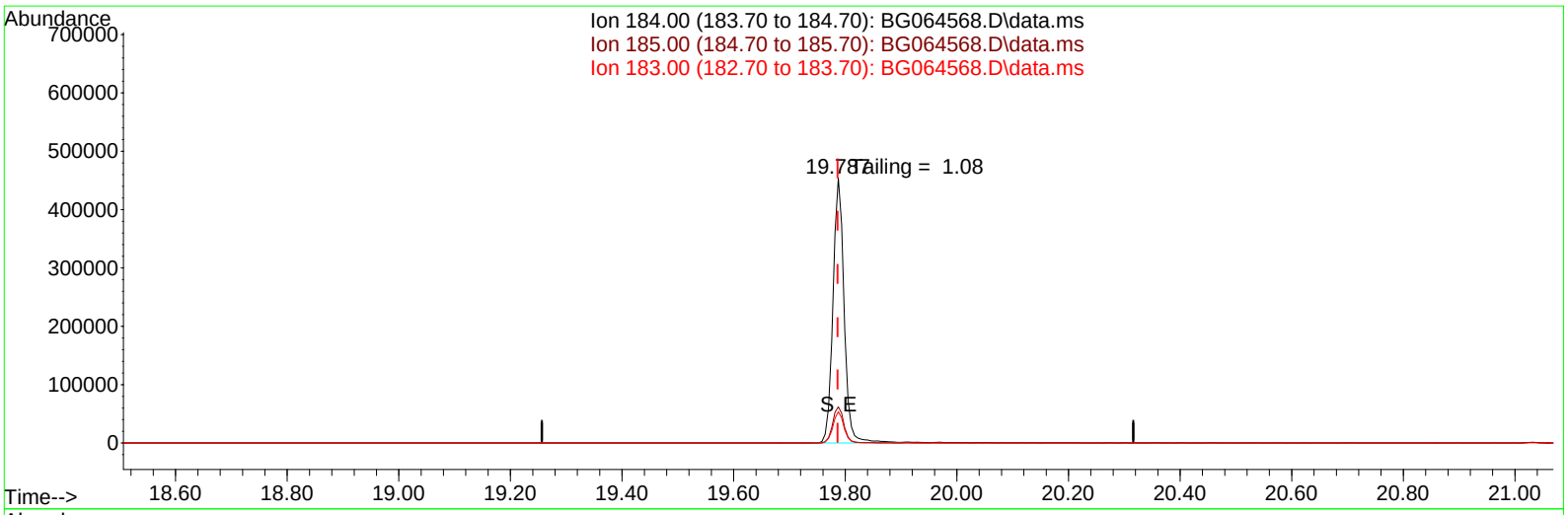
Quantitation Report (Qedit)

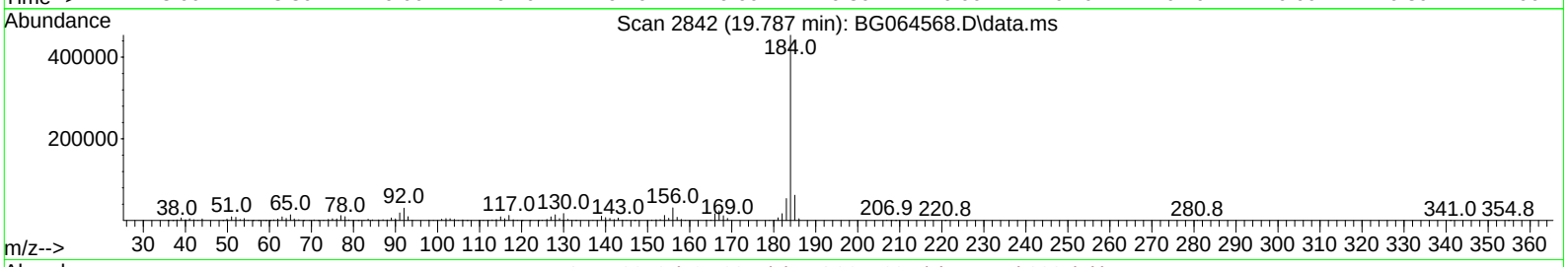
Sample Results: **BG064568.D**

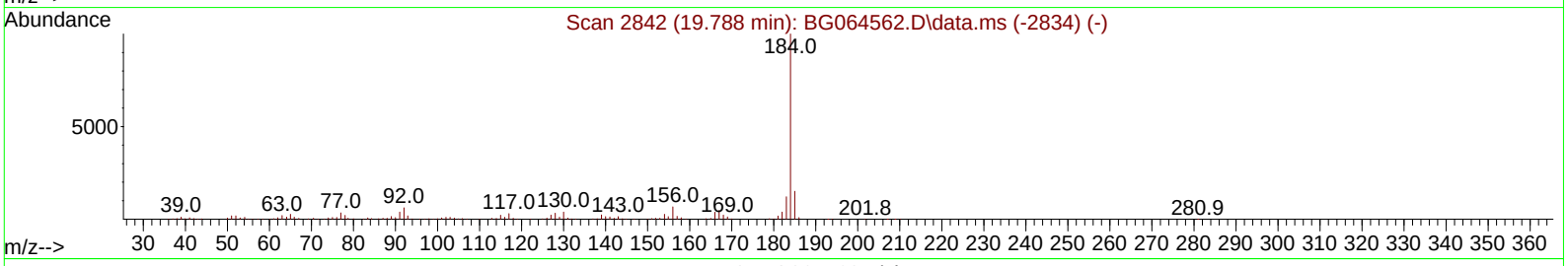
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration







TIC: BG064568.D\data.ms

(77) Benzidine

19.787min (+ 0.001) 0.00 ng

response 632825

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	13.68
183.00	12.10	11.84
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/24/2025	BNA_G	BG064568.D
Compound Name	**Response**	**Retention Time**
DDT	249894	21.033
DDD	4771	20.586
DDE	827	20.087
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5598	255492	2.19

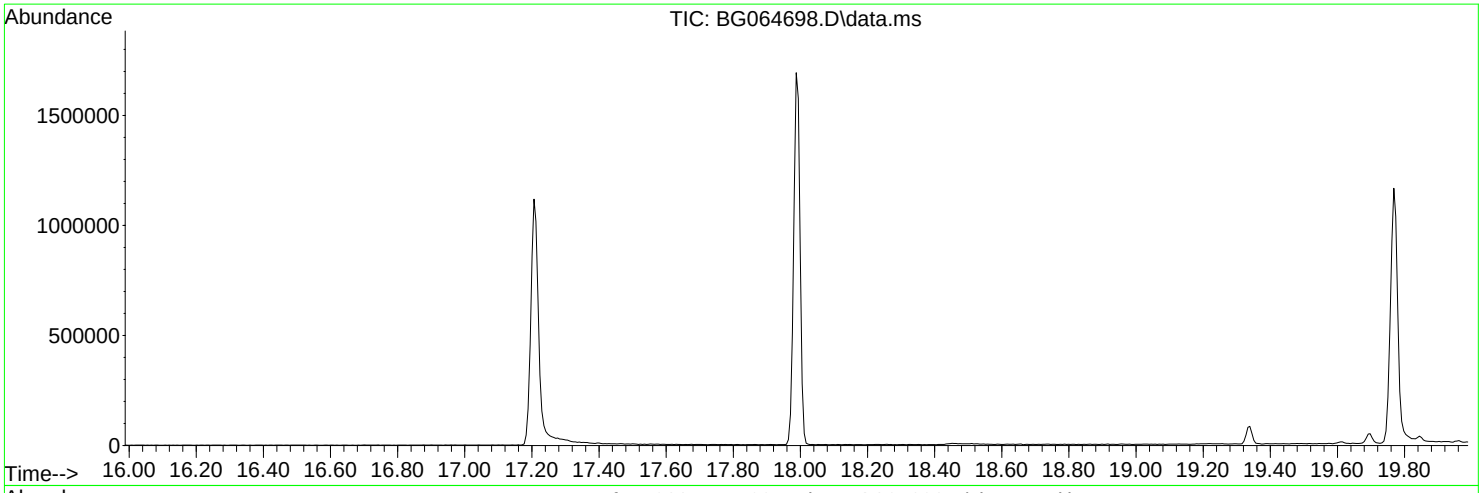
Sample Results: **BG064698.D**

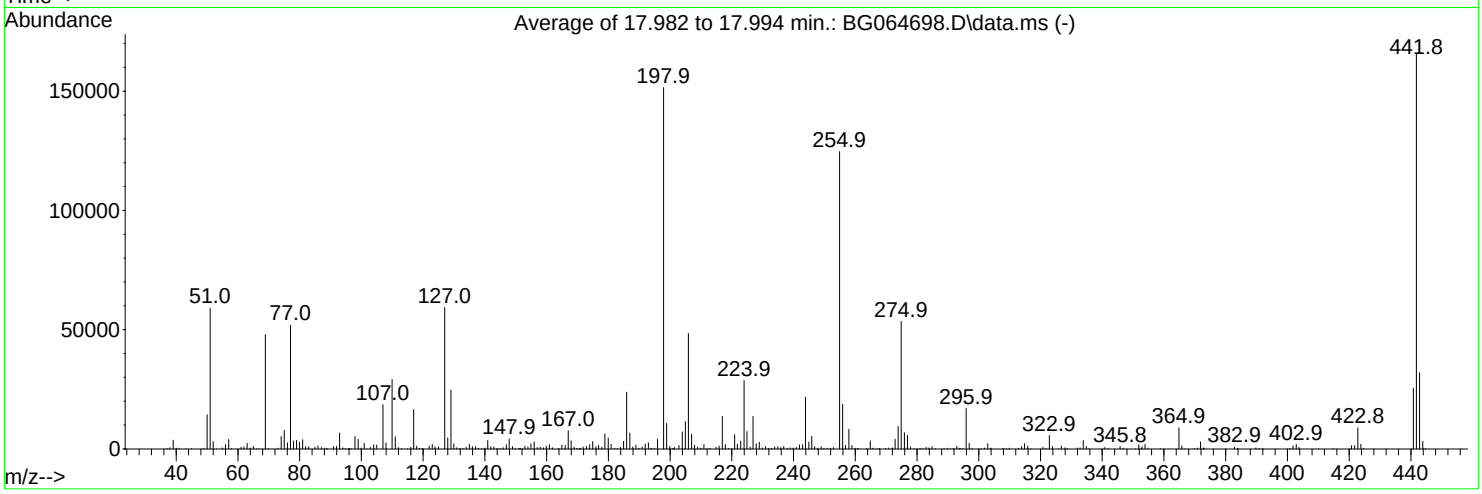
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064698.D
Acq On : 6 Nov 2025 11:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Nov 03 18:16:26 2025





AutoFind: Scans 2535, 2536, 2537; Background Corrected with Scan 2528

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	47968	PASS
70	69	0.00	2	0.3	164	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	151528	PASS
199	198	5	9	7.1	10749	PASS
365	198	1	100	5.8	8816	PASS
441	443	0.01	150	79.9	25541	PASS
442	442	100	100	100.0	165560	PASS
443	442	15	24	19.3	31960	PASS

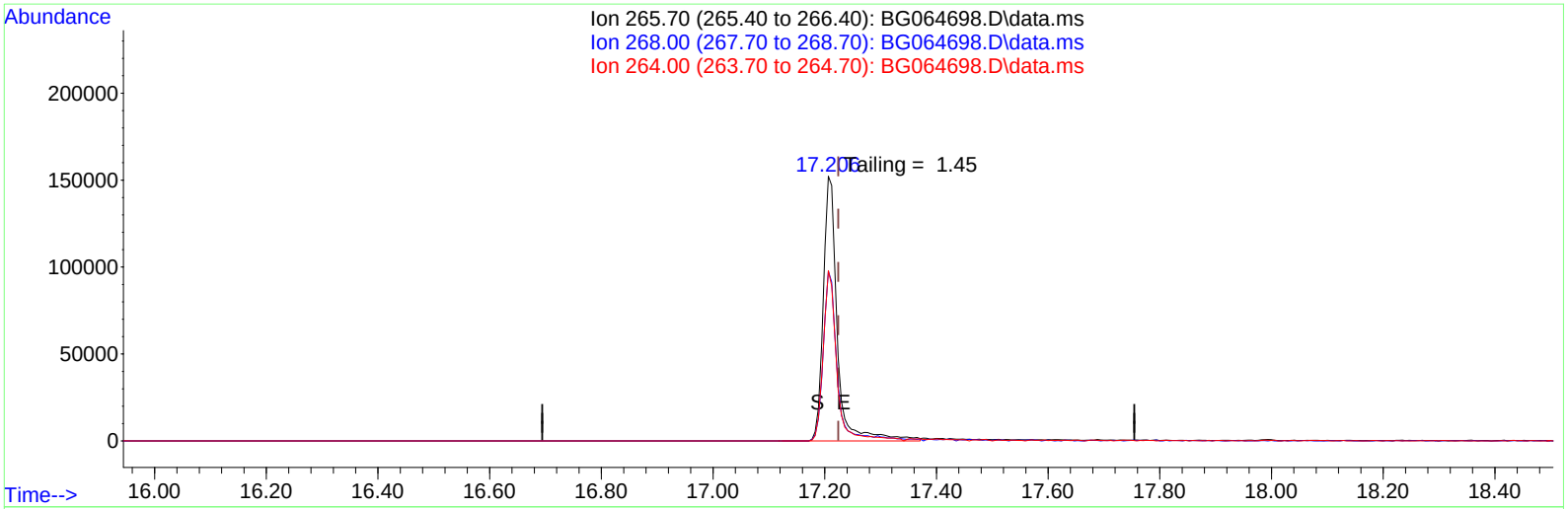
Quantitation Report (Qedit)

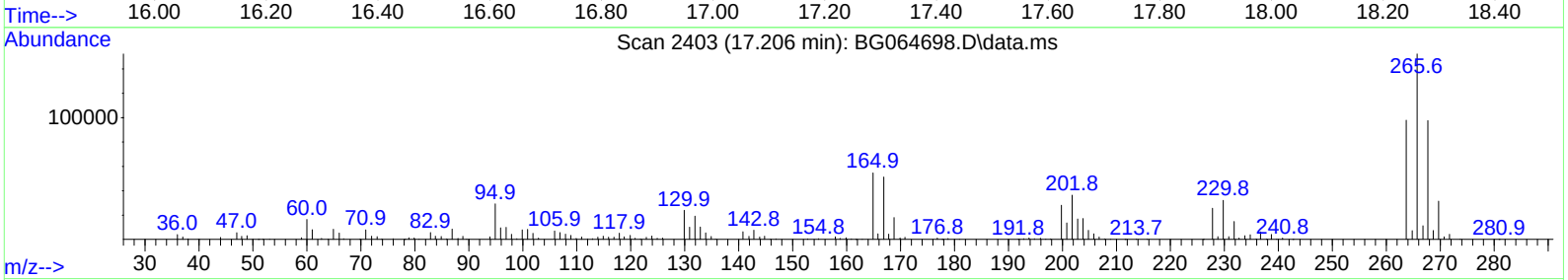
Sample Results: **BG064698.D**

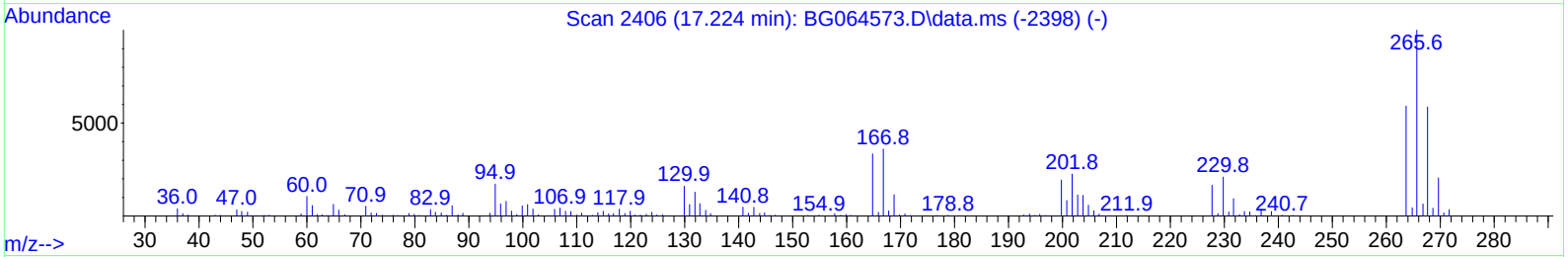
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064698.D
Acq On : 6 Nov 2025 11:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Nov 06 12:08:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration







TIC: BG064698.D\data.ms

(70) Pentachlorophenol (C)

17.206min (-0.018) 138576.30 ng

response 268700

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	69.06
264.00	59.10	64.33
0.00	0.00	0.00

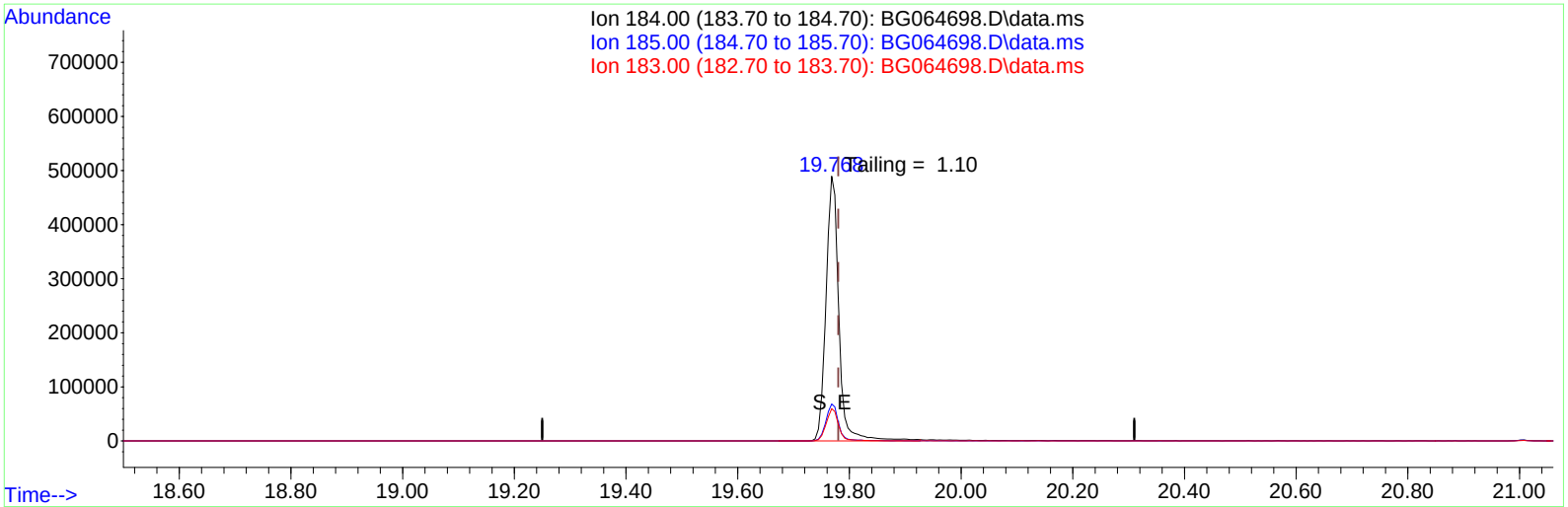
Quantitation Report (Qedit)

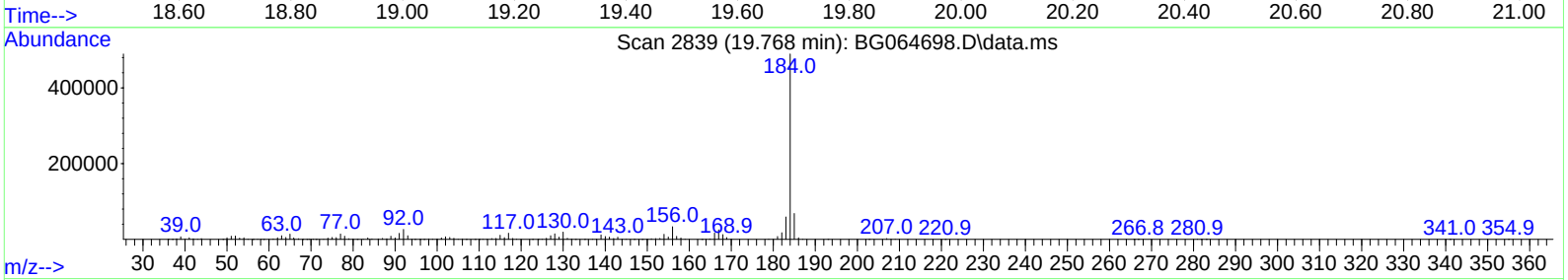
Sample Results: **BG064698.D**

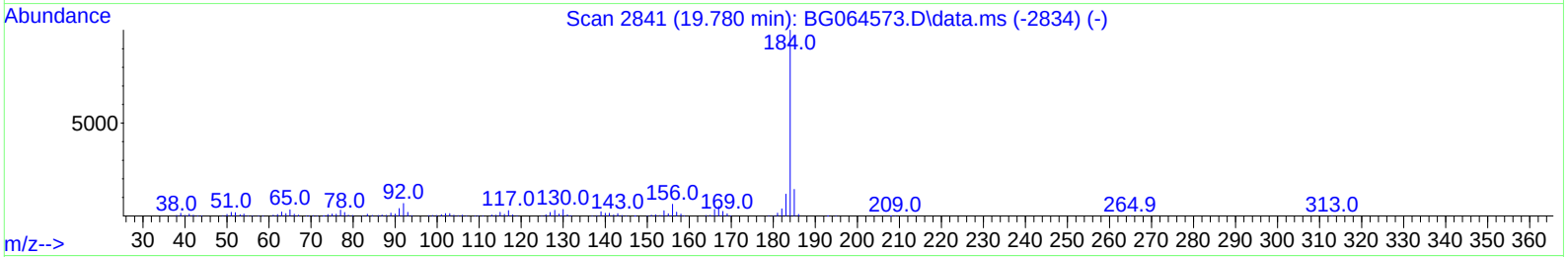
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064698.D
Acq On : 6 Nov 2025 11:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Nov 06 12:08:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration







TIC: BG064698.D\data.ms

(77) Benzidine

19.768min (-0.012) 39040.29 ng

response 778451

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	13.96
183.00	11.80	12.16
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/6/2025	BNA_G	BG064698.D
Compound Name	**Response**	**Retention Time**
DDT	527950	21.008
DDD	16253	20.555
DDE	64	19.709
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
16317	544267	3.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

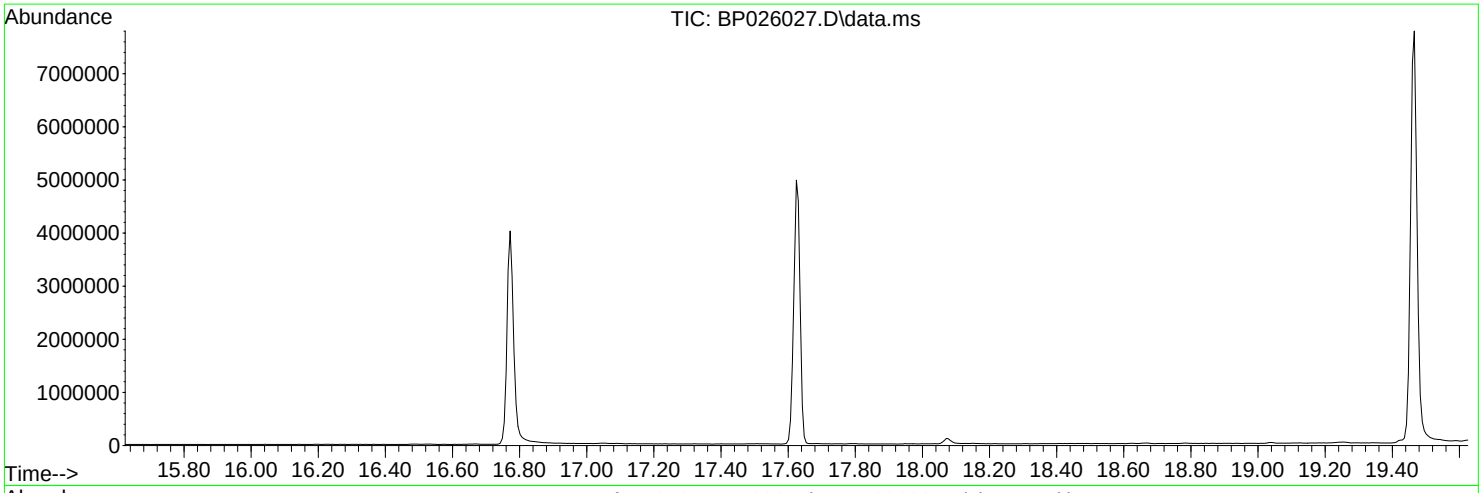
Sample Results: **BP026027.D**

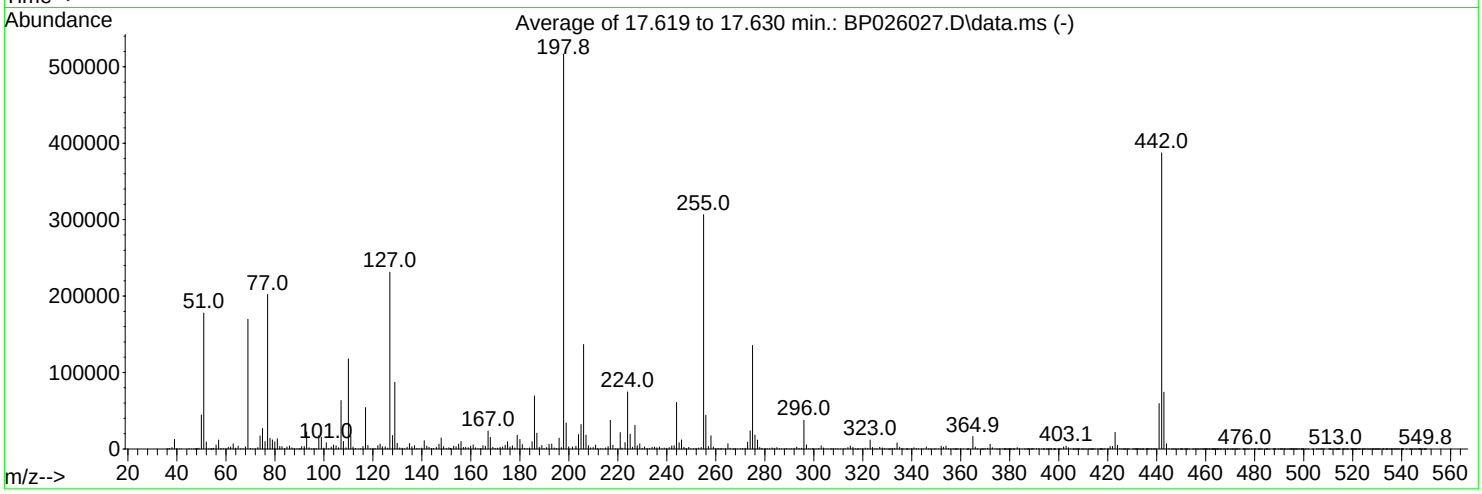
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 30 11:51:34 2025





AutoFind: Scans 2496, 2497, 2498; Background Corrected with Scan 2484

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	2792	PASS
69	69	100	100	100.0	169765	PASS
70	69	0.00	2	0.4	752	PASS
197	198	0.00	2	0.4	1827	PASS
198	198	100	100	100.0	516572	PASS
199	198	5	9	6.6	34035	PASS
365	198	1	100	3.1	16180	PASS
441	443	0.01	150	79.9	59342	PASS
442	442	100	100	100.0	387348	PASS
443	442	15	24	19.2	74271	PASS

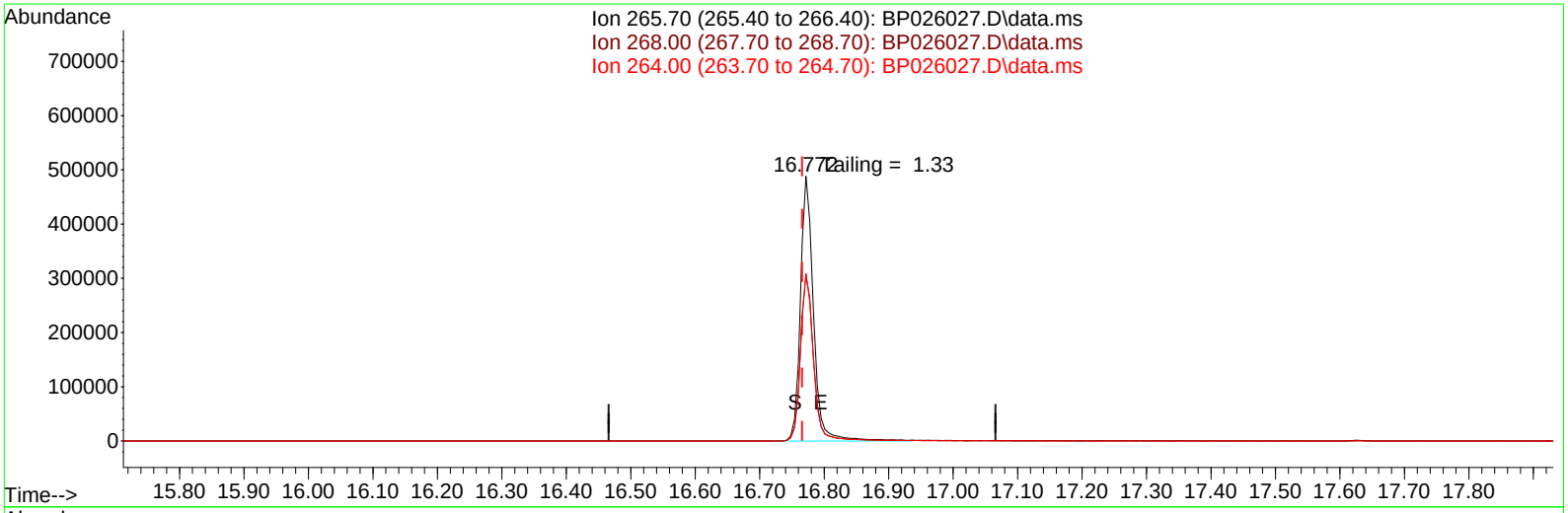
Quantitation Report (Qedit)

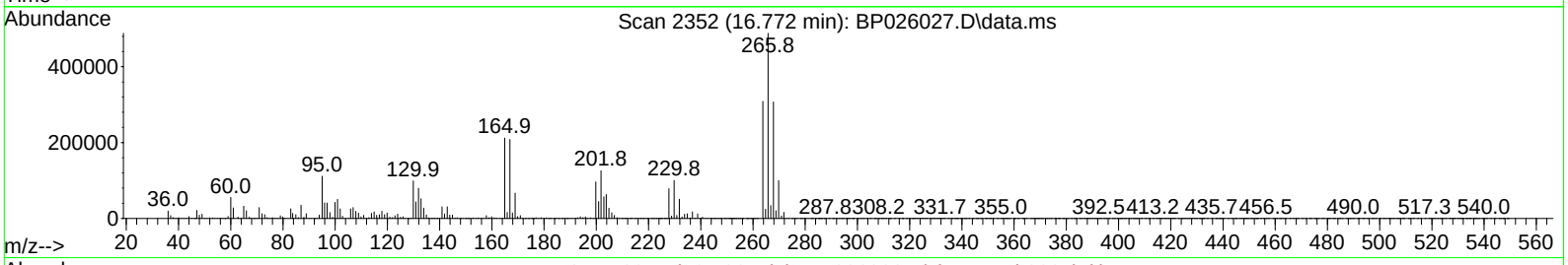
Sample Results: **BP026027.D**

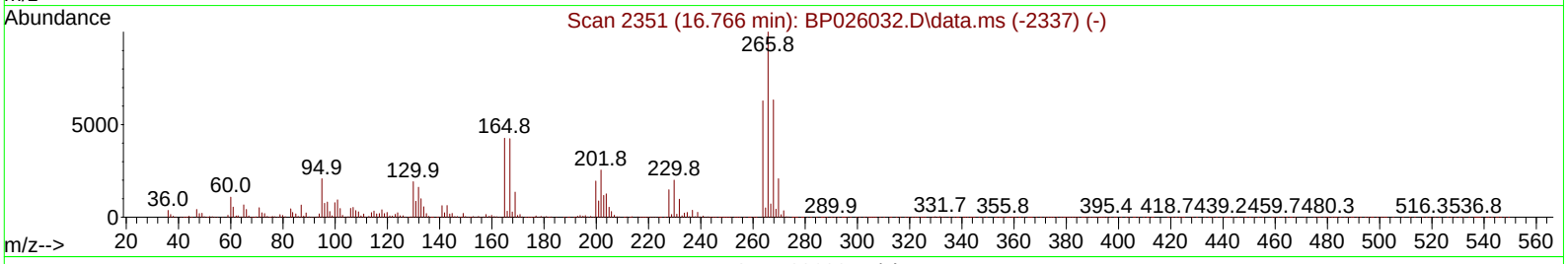
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 29 15:04:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:02:40 2025
Response via : Initial Calibration







TIC: BP026027.D\data.ms

(70) Pentachlorophenol (C)

16.772min (+ 0.006) 52866.47 ng

response 688723

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	62.93
264.00	62.80	63.23
0.00	0.00	0.00

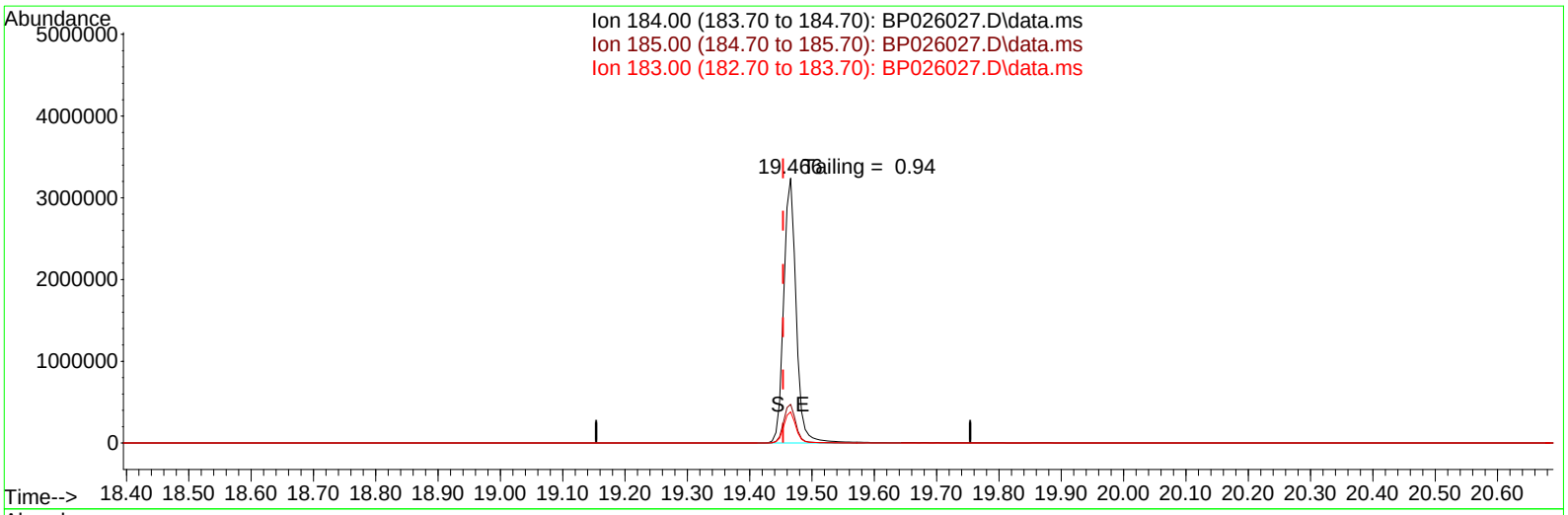
Quantitation Report (Qedit)

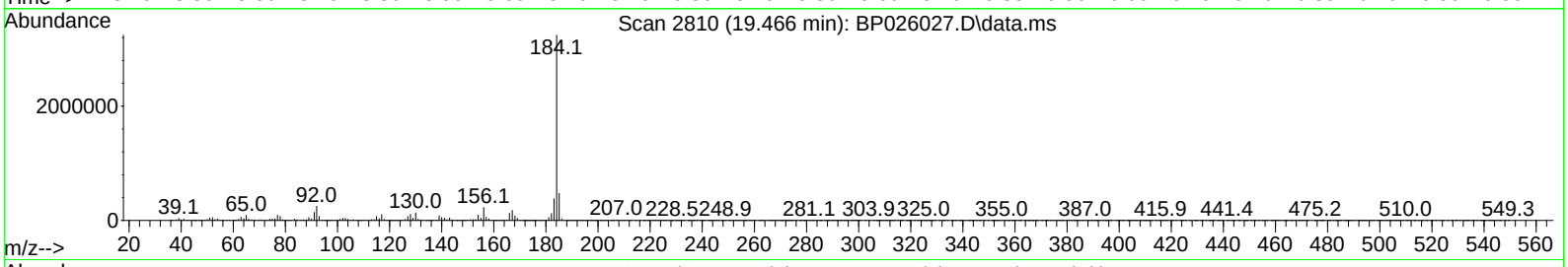
Sample Results: **BP026027.D**

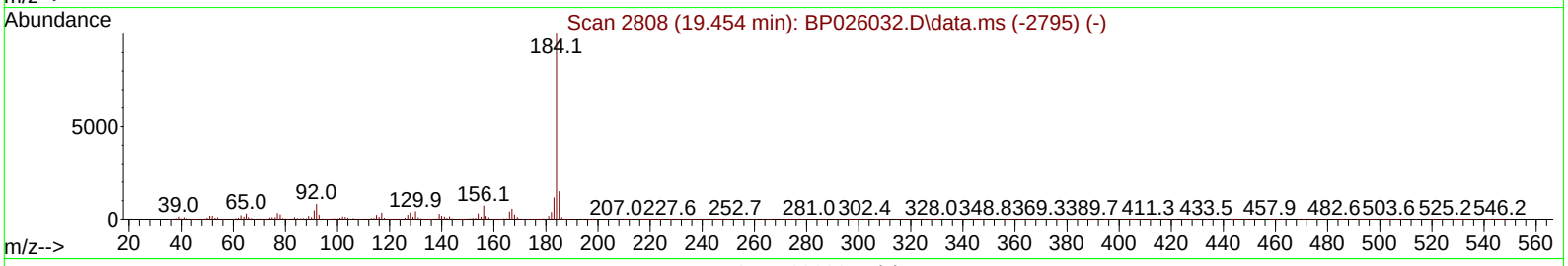
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 29 15:04:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:02:40 2025
Response via : Initial Calibration







TIC: BP026027.D\data.ms

(77) Benzidine

19.466min (+ 0.012) 16317.24 ng

response 4546390

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.62
183.00	11.50	11.75
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/29/2025	BNA_P	BP026027.D
Compound Name	**Response**	**Retention Time**
DDT	1446445	20.766
DDD	18274	20.301
DDE	1074	19.866
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
19348	1465793	1.32

Instrument :
BNA_P
ClientSampleId :
DFTPP

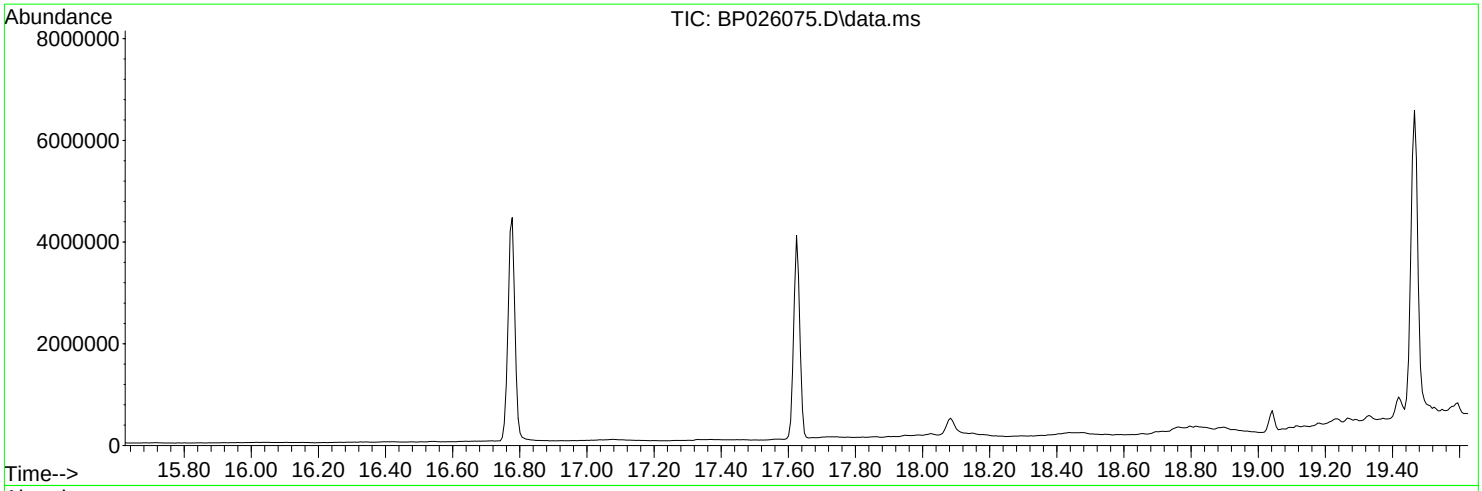
Sample Results: **BP026075.D**

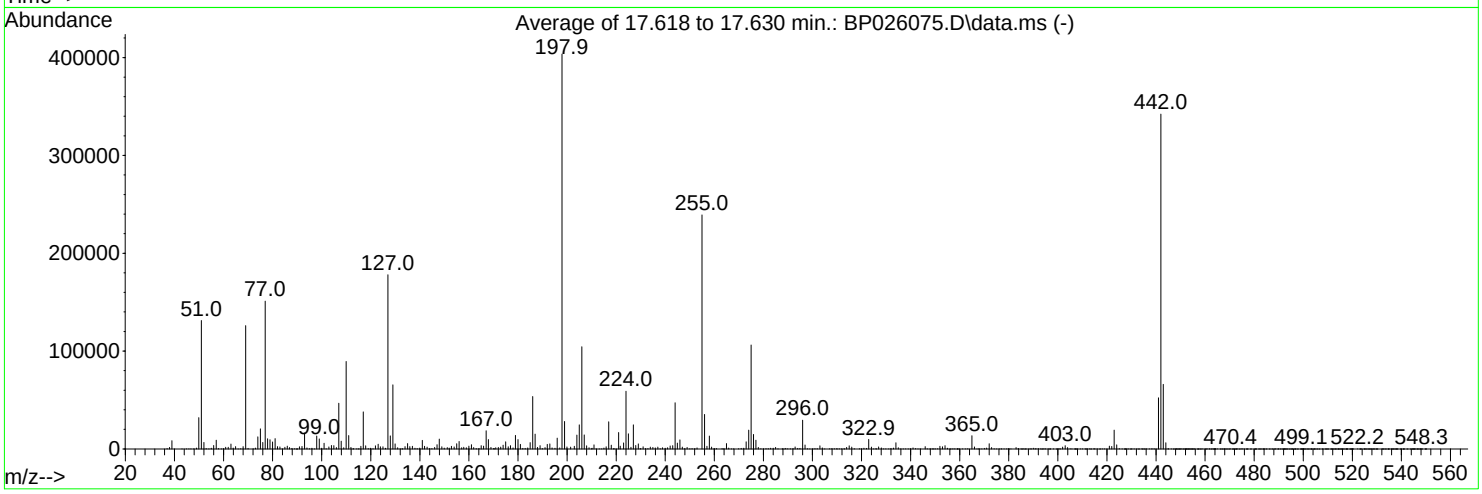
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026075.D
Acq On : 06 Nov 2025 12:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 30 11:51:34 2025





AutoFind: Scans 2496, 2497, 2498; Background Corrected with Scan 2488

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	2308	PASS
69	69	100	100	100.0	126049	PASS
70	69	0.00	2	0.5	614	PASS
197	198	0.00	2	0.3	1149	PASS
198	198	100	100	100.0	403539	PASS
199	198	5	9	7.0	28122	PASS
365	198	1	100	3.4	13536	PASS
441	443	0.01	150	79.1	52220	PASS
442	442	100	100	100.0	342246	PASS
443	442	15	24	19.3	66054	PASS

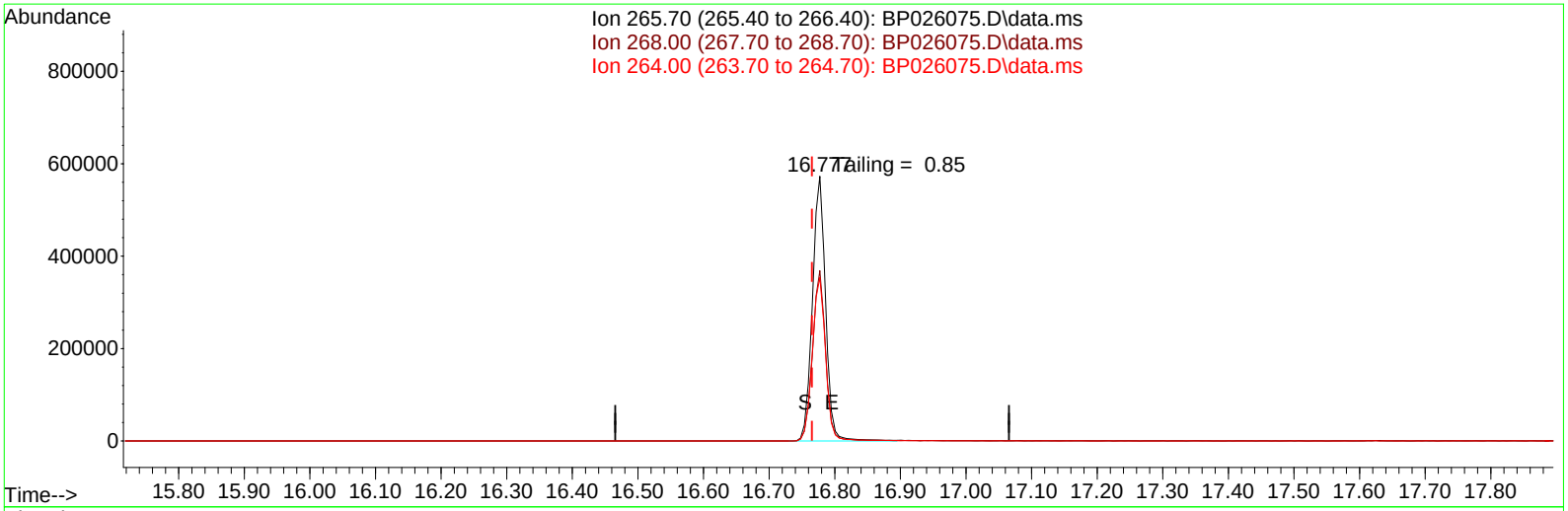
Quantitation Report (Qedit)

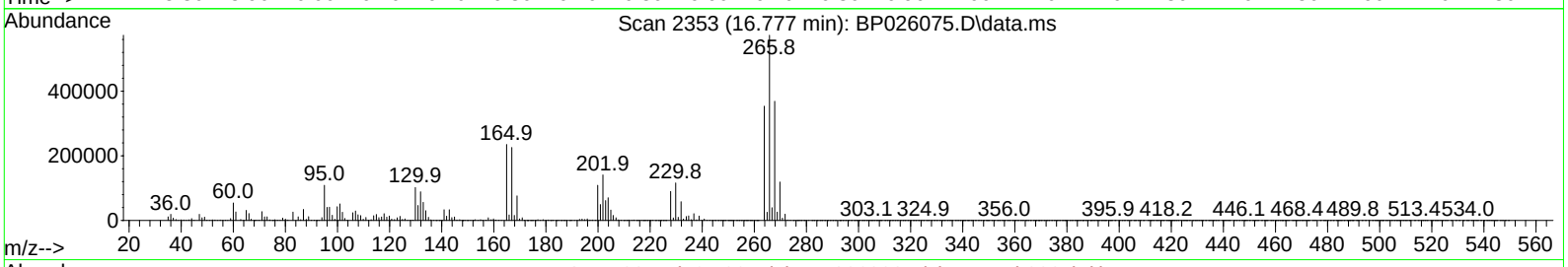
Sample Results: **BP026075.D**

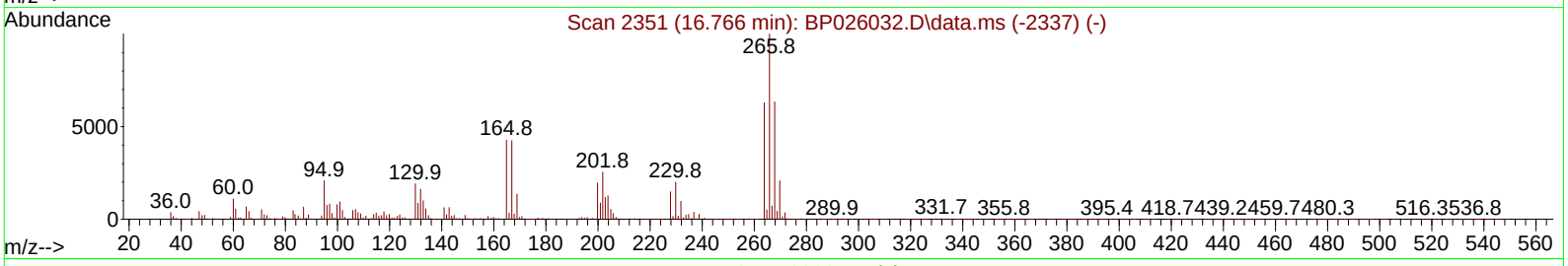
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026075.D
Acq On : 06 Nov 2025 12:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Nov 06 14:04:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration







TIC: BP026075.D\data.ms

(70) Pentachlorophenol (C)

16.777min (+ 0.012) 88742.13 ng

response 797426

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	64.36
264.00	62.80	61.69
0.00	0.00	0.00

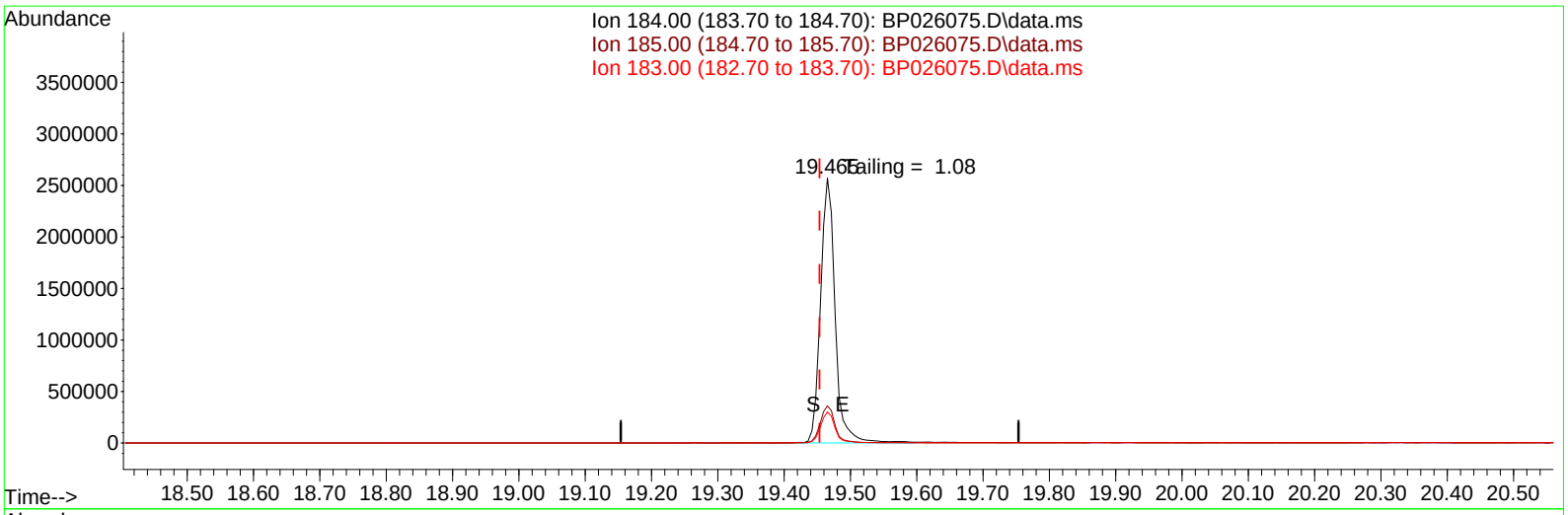
Quantitation Report (Qedit)

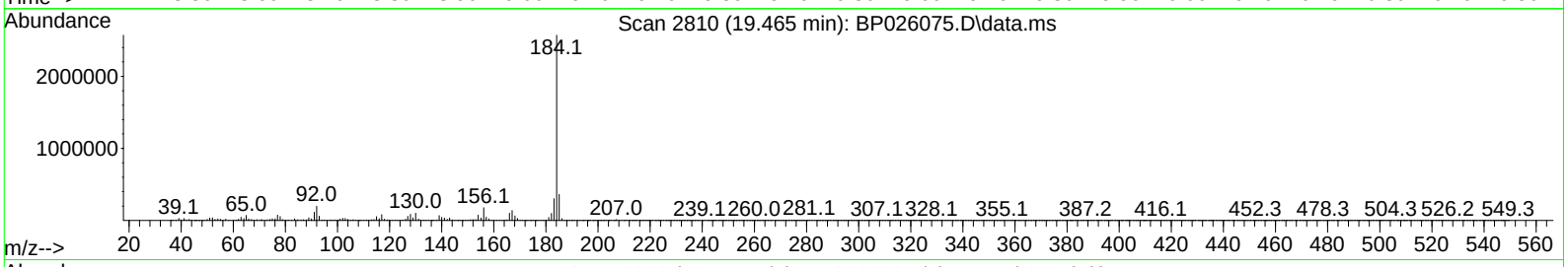
Sample Results: **BP026075.D**

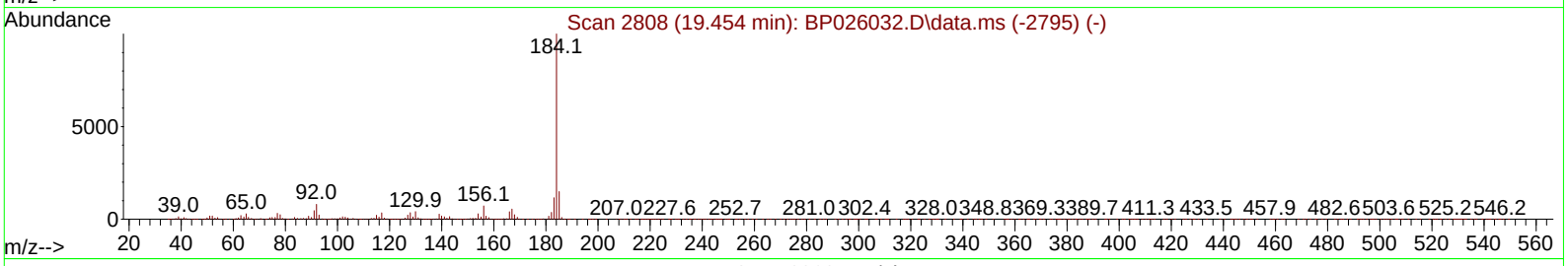
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026075.D
Acq On : 06 Nov 2025 12:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Nov 06 14:04:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration







TIC: BP026075.D\data.ms

(77) Benzidine

19.465min (+ 0.012) 35734.65 ng

response 3913872

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.04
183.00	11.50	11.78
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/6/2025	BNA_P	BP026075.D
Compound Name	**Response**	**Retention Time**
DDT	1775922	20.765
DDD	39010	20.307
DDE	3948	19.777
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
42958	1818880	2.36

Instrument :
BNA_P
ClientSampleId :
DFTPP

Raw Data: **BP026077.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	PB170424BL	SDG No.:	Q3534
Lab Sample ID:	PB170424BL	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	3.90	U	1	3.90	10.0	ug/L	11/06/25 14:13	PB170424
108-95-2	Phenol	0.91	U	1	0.91	5.00	ug/L	11/06/25 14:13	PB170424
111-44-4	bis(2-Chloroethyl)ether	0.81	U	1	0.81	5.00	ug/L	11/06/25 14:13	PB170424
95-57-8	2-Chlorophenol	0.58	U	1	0.58	5.00	ug/L	11/06/25 14:13	PB170424
95-48-7	2-Methylphenol	1.10	U	1	1.10	5.00	ug/L	11/06/25 14:13	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.00	ug/L	11/06/25 14:13	PB170424
98-86-2	Acetophenone	0.74	U	1	0.74	5.00	ug/L	11/06/25 14:13	PB170424
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.0	ug/L	11/06/25 14:13	PB170424
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1	1.40	2.50	ug/L	11/06/25 14:13	PB170424
67-72-1	Hexachloroethane	0.65	U	1	0.65	5.00	ug/L	11/06/25 14:13	PB170424
98-95-3	Nitrobenzene	0.76	U	1	0.76	5.00	ug/L	11/06/25 14:13	PB170424
78-59-1	Isophorone	0.75	U	1	0.75	5.00	ug/L	11/06/25 14:13	PB170424
88-75-5	2-Nitrophenol	1.80	U	1	1.80	5.00	ug/L	11/06/25 14:13	PB170424
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.00	ug/L	11/06/25 14:13	PB170424
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	1	0.68	5.00	ug/L	11/06/25 14:13	PB170424
120-83-2	2,4-Dichlorophenol	0.52	U	1	0.52	5.00	ug/L	11/06/25 14:13	PB170424
91-20-3	Naphthalene	0.50	U	1	0.50	5.00	ug/L	11/06/25 14:13	PB170424
106-47-8	4-Chloroaniline	0.84	U	1	0.84	5.00	ug/L	11/06/25 14:13	PB170424
87-68-3	Hexachlorobutadiene	0.54	U	1	0.54	5.00	ug/L	11/06/25 14:13	PB170424
105-60-2	Caprolactam	1.10	U	1	1.10	10.0	ug/L	11/06/25 14:13	PB170424
59-50-7	4-Chloro-3-methylphenol	0.59	U	1	0.59	5.00	ug/L	11/06/25 14:13	PB170424
91-57-6	2-Methylnaphthalene	0.56	U	1	0.56	5.00	ug/L	11/06/25 14:13	PB170424
77-47-4	Hexachlorocyclopentadiene	3.60	U	1	3.60	10.0	ug/L	11/06/25 14:13	PB170424
88-06-2	2,4,6-Trichlorophenol	0.51	U	1	0.51	5.00	ug/L	11/06/25 14:13	PB170424
95-95-4	2,4,5-Trichlorophenol	0.62	U	1	0.62	5.00	ug/L	11/06/25 14:13	PB170424
92-52-4	1,1-Biphenyl	0.53	U	1	0.53	5.00	ug/L	11/06/25 14:13	PB170424
91-58-7	2-Chloronaphthalene	0.61	U	1	0.61	5.00	ug/L	11/06/25 14:13	PB170424
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.00	ug/L	11/06/25 14:13	PB170424
131-11-3	Dimethylphthalate	0.61	U	1	0.61	5.00	ug/L	11/06/25 14:13	PB170424
208-96-8	Acenaphthylene	0.75	U	1	0.75	5.00	ug/L	11/06/25 14:13	PB170424
606-20-2	2,6-Dinitrotoluene	0.92	U	1	0.92	5.00	ug/L	11/06/25 14:13	PB170424
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.00	ug/L	11/06/25 14:13	PB170424
83-32-9	Acenaphthene	0.55	U	1	0.55	5.00	ug/L	11/06/25 14:13	PB170424
51-28-5	2,4-Dinitrophenol	6.00	U	1	6.00	10.0	ug/L	11/06/25 14:13	PB170424
100-02-7	4-Nitrophenol	2.40	U	1	2.40	10.0	ug/L	11/06/25 14:13	PB170424
132-64-9	Dibenzofuran	0.61	U	1	0.61	5.00	ug/L	11/06/25 14:13	PB170424
121-14-2	2,4-Dinitrotoluene	1.20	U	1	1.20	5.00	ug/L	11/06/25 14:13	PB170424
84-66-2	Diethylphthalate	0.69	U	1	0.69	5.00	ug/L	11/06/25 14:13	PB170424
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	1	0.68	5.00	ug/L	11/06/25 14:13	PB170424
86-73-7	Fluorene	0.63	U	1	0.63	5.00	ug/L	11/06/25 14:13	PB170424
100-01-6	4-Nitroaniline	1.50	U	1	1.50	5.00	ug/L	11/06/25 14:13	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	1	2.90	10.0	ug/L	11/06/25 14:13	PB170424

Raw Data: **BP026077.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	PB170424BL	SDG No.:	Q3534
Lab Sample ID:	PB170424BL	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.58	U	1	0.58	5.00	ug/L	11/06/25 14:13	PB170424
101-55-3	4-Bromophenyl-phenylether	0.40	U	1	0.40	5.00	ug/L	11/06/25 14:13	PB170424
118-74-1	Hexachlorobenzene	0.52	U	1	0.52	5.00	ug/L	11/06/25 14:13	PB170424
1912-24-9	Atrazine	1.00	U	1	1.00	5.00	ug/L	11/06/25 14:13	PB170424
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.0	ug/L	11/06/25 14:13	PB170424
85-01-8	Phenanthrene	0.50	U	1	0.50	5.00	ug/L	11/06/25 14:13	PB170424
120-12-7	Anthracene	0.61	U	1	0.61	5.00	ug/L	11/06/25 14:13	PB170424
86-74-8	Carbazole	0.72	U	1	0.72	5.00	ug/L	11/06/25 14:13	PB170424
84-74-2	Di-n-butylphthalate	1.20	U	1	1.20	5.00	ug/L	11/06/25 14:13	PB170424
206-44-0	Fluoranthene	0.82	U	1	0.82	5.00	ug/L	11/06/25 14:13	PB170424
129-00-0	Pyrene	0.50	U	1	0.50	5.00	ug/L	11/06/25 14:13	PB170424
85-68-7	Butylbenzylphthalate	1.90	U	1	1.90	5.00	ug/L	11/06/25 14:13	PB170424
91-94-1	3,3-Dichlorobenzidine	0.93	U	1	0.93	10.0	ug/L	11/06/25 14:13	PB170424
56-55-3	Benzo(a)anthracene	0.45	U	1	0.45	5.00	ug/L	11/06/25 14:13	PB170424
218-01-9	Chrysene	0.44	U	1	0.44	5.00	ug/L	11/06/25 14:13	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1	1.60	5.00	ug/L	11/06/25 14:13	PB170424
117-84-0	Di-n-octyl phthalate	2.30	U	1	2.30	10.0	ug/L	11/06/25 14:13	PB170424
205-99-2	Benzo(b)fluoranthene	0.49	U	1	0.49	5.00	ug/L	11/06/25 14:13	PB170424
207-08-9	Benzo(k)fluoranthene	0.48	U	1	0.48	5.00	ug/L	11/06/25 14:13	PB170424
50-32-8	Benzo(a)pyrene	0.55	U	1	0.55	5.00	ug/L	11/06/25 14:13	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	1	0.59	5.00	ug/L	11/06/25 14:13	PB170424
53-70-3	Dibenzo(a,h)anthracene	0.67	U	1	0.67	5.00	ug/L	11/06/25 14:13	PB170424
191-24-2	Benzo(g,h,i)perylene	0.69	U	1	0.69	5.00	ug/L	11/06/25 14:13	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	1	0.52	5.00	ug/L	11/06/25 14:13	PB170424
123-91-1	1,4-Dioxane	1.00	U	1	1.00	5.00	ug/L	11/06/25 14:13	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	1	0.72	5.00	ug/L	11/06/25 14:13	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	138			15 (23) - 110 (138)	92%	SPK: 150		
13127-88-3	Phenol-d6	133			15 (10) - 110 (134)	89%	SPK: 150		
4165-60-0	Nitrobenzene-d5	93.5			30 (67) - 130 (132)	94%	SPK: 100		
321-60-8	2-Fluorobiphenyl	83.6			30 (52) - 130 (132)	84%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	169	*		15 (44) - 110 (137)	113%	SPK: 150		
1718-51-0	Terphenyl-d14	89.5			30 (42) - 130 (152)	90%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	281000							
1146-65-2	Naphthalene-d8	1090000							
15067-26-2	Acenaphthene-d10	700000							
1517-22-2	Phenanthrene-d10	1530000							
1719-03-5	Chrysene-d12	1750000							
1520-96-3	Perylene-d12	1980000							

Raw Data: **BP026077.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	PB170424BL			SDG No.:	Q3534
Lab Sample ID:	PB170424BL			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date:	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **BP026077.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026077.D
Acq On : 06 Nov 2025 14:13
Operator : RC/JU
Sample : PB170424BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170424BL

Quant Time: Nov 06 14:45:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.660	152	281412	20.000	ng	-0.03
21) Naphthalene-d8	10.437	136	1090241	20.000	ng	-0.02
39) Acenaphthene-d10	14.307	164	699934	20.000	ng	-0.01
64) Phenanthrene-d10	17.136	188	1528535	20.000	ng	0.01
76) Chrysene-d12	21.589	240	1747812	20.000	ng	0.02
86) Perylene-d12	24.936	264	1979388	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	2353394	137.994	ng	-0.02
7) Phenol-d6	6.831	99	2888806	133.083	ng	-0.02
23) Nitrobenzene-d5	8.795	82	1635887	93.540	ng	-0.03
42) 2,4,6-Tribromophenol	15.836	330	1281072	169.298	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	4073635	83.629	ng	-0.01
79) Terphenyl-d14	19.877	244	7701953	89.529	ng	0.01

Target Compounds Qvalue

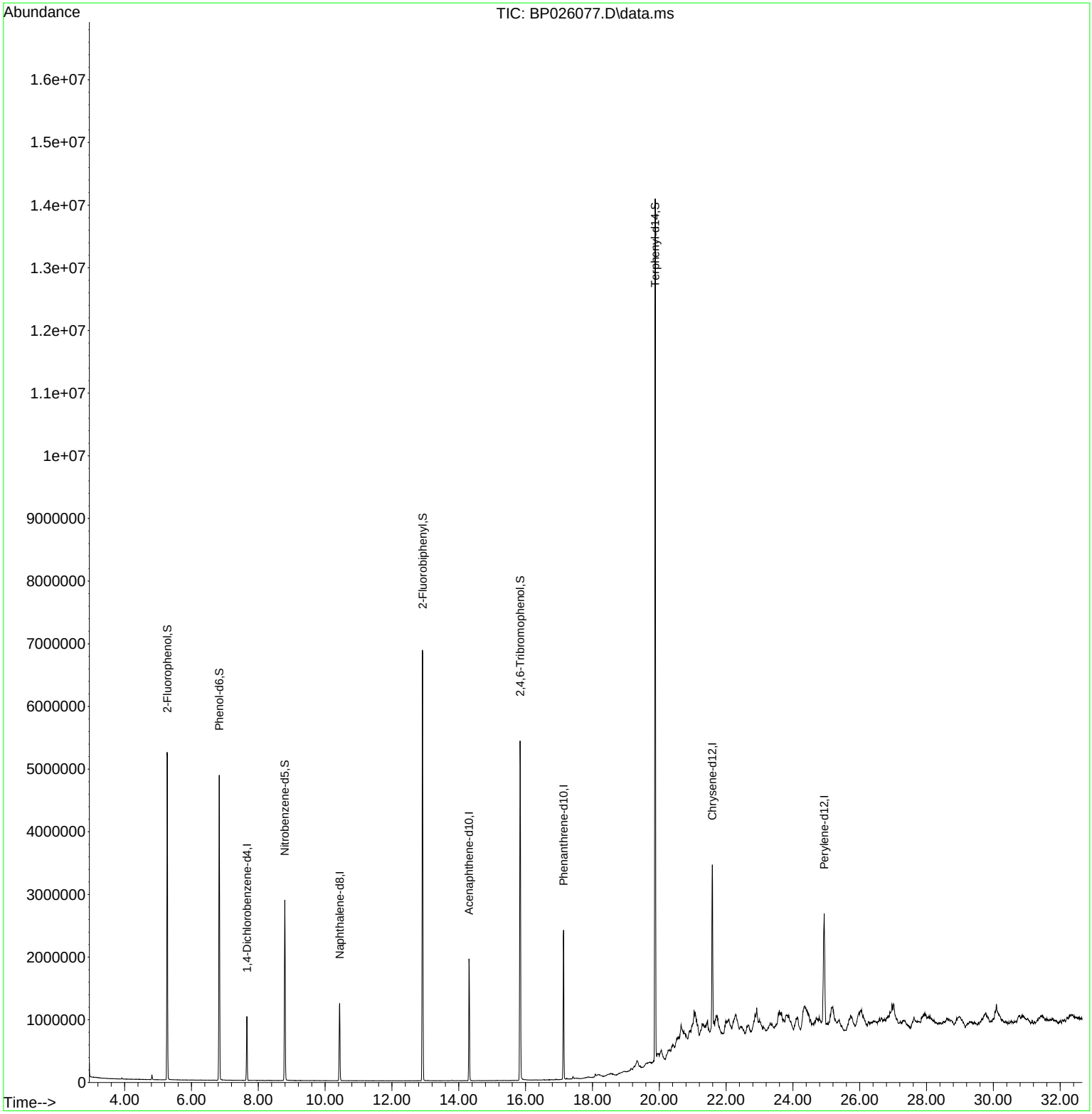
(#) = qualifier out of range (m) = manual integration (+) = signals summed

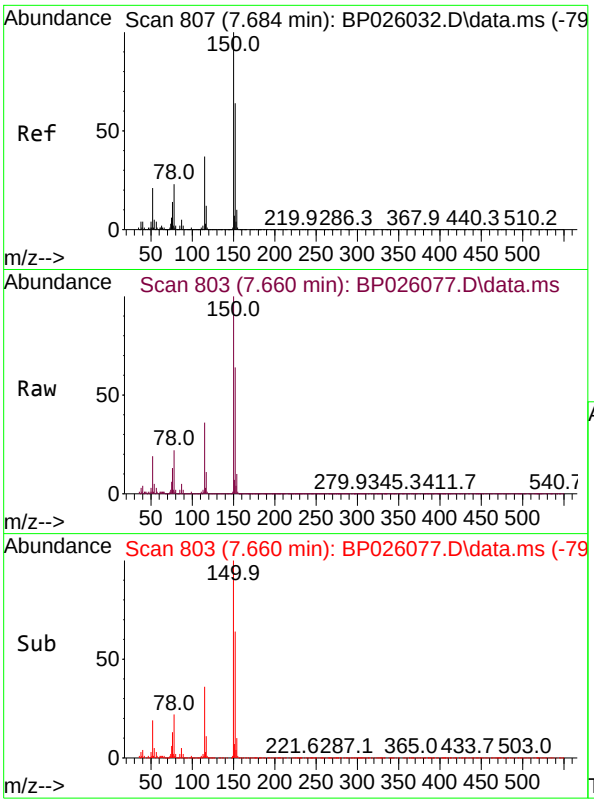
Sample Results: **BP026077.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026077.D
Acq On : 06 Nov 2025 14:13
Operator : RC/JU
Sample : PB170424BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170424BL

Quant Time: Nov 06 14:45:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



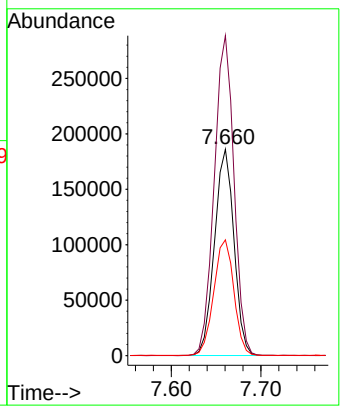


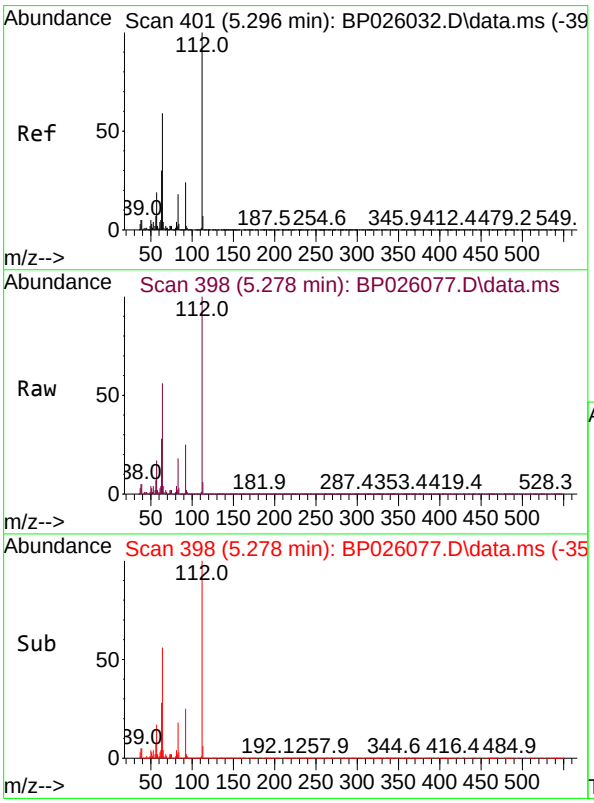
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.660 min Scan# 8
Delta R.T. -0.030 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Instrument :
BNA_P
ClientSampleId :
PB170424BL

Tgt Ion:152 Resp: 281412

Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.7	188.5
115	56.1	46.4	69.6

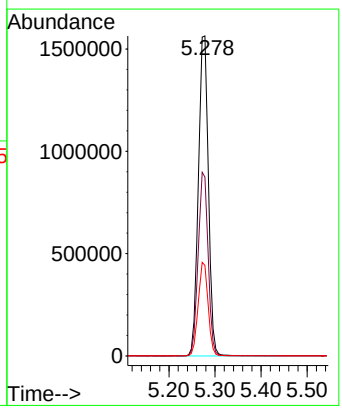


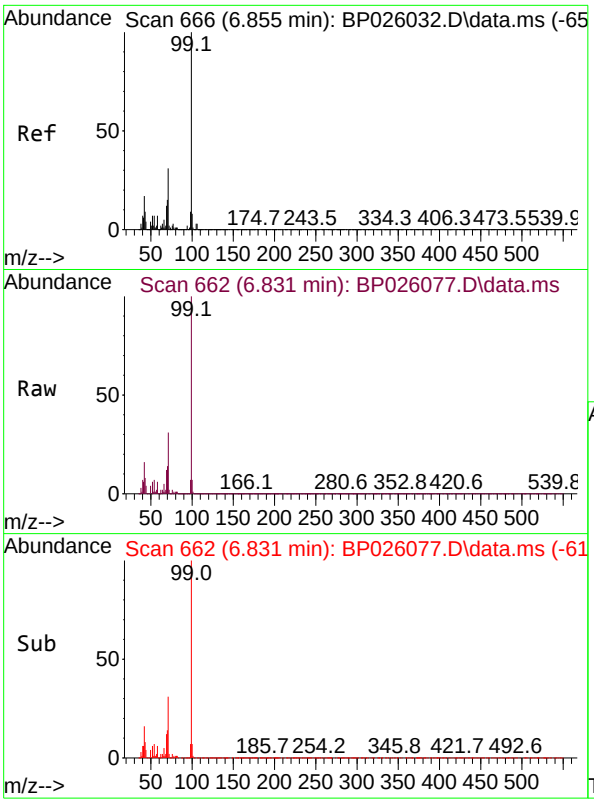


#5
2-Fluorophenol
Concen: 137.994 ng
RT: 5.278 min Scan# 398
Delta R.T. -0.018 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Tgt Ion:112 Resp: 2353394

Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.4	71.2
63	28.3	24.2	36.4



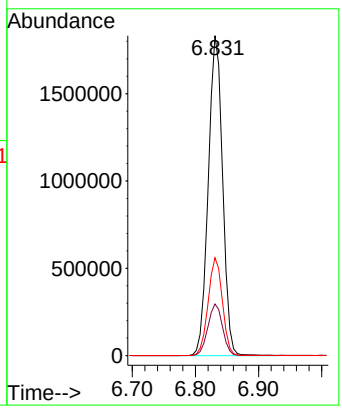


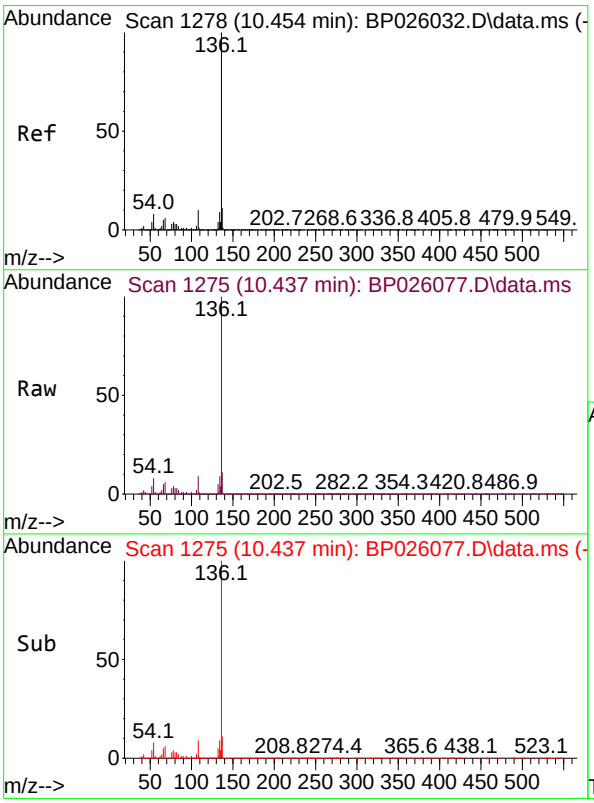
#7
Phenol-d6
Concen: 133.083 ng
RT: 6.831 min Scan# 6
Delta R.T. -0.024 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Instrument :
BNA_P
ClientSampleId :
PB170424BL

Tgt Ion: 99 Resp: 2888806

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.7	20.5
71	30.6	24.4	36.6

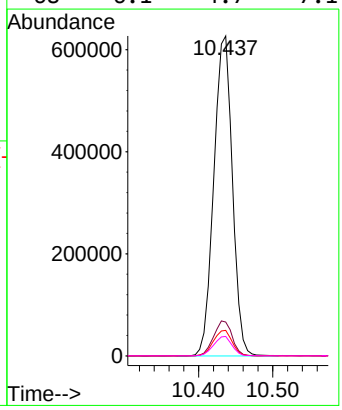


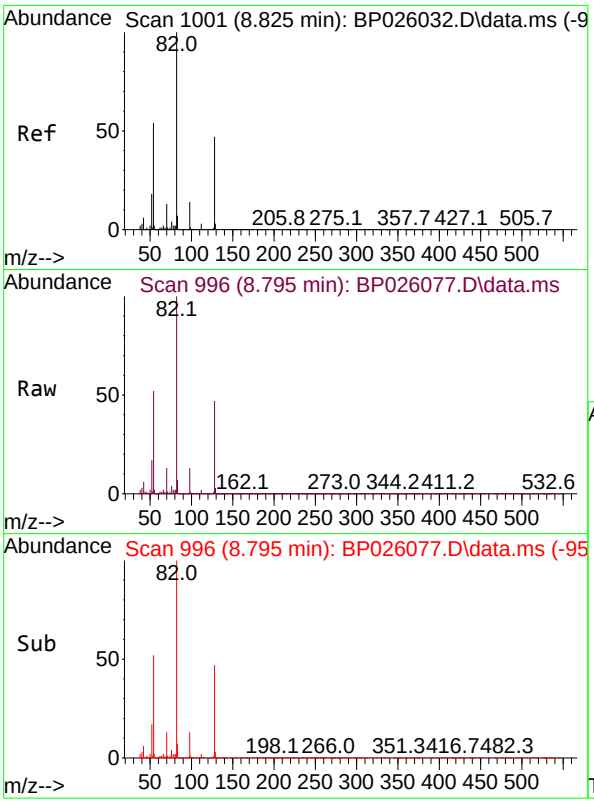


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.017 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Tgt Ion:136 Resp: 1090241

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	8.0	6.6	10.0
68	6.1	4.7	7.1



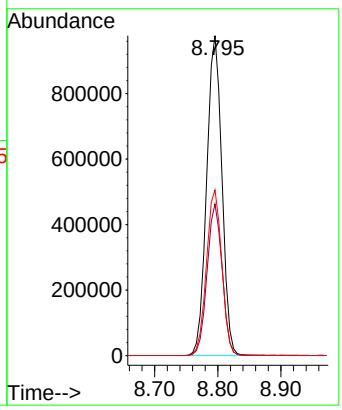


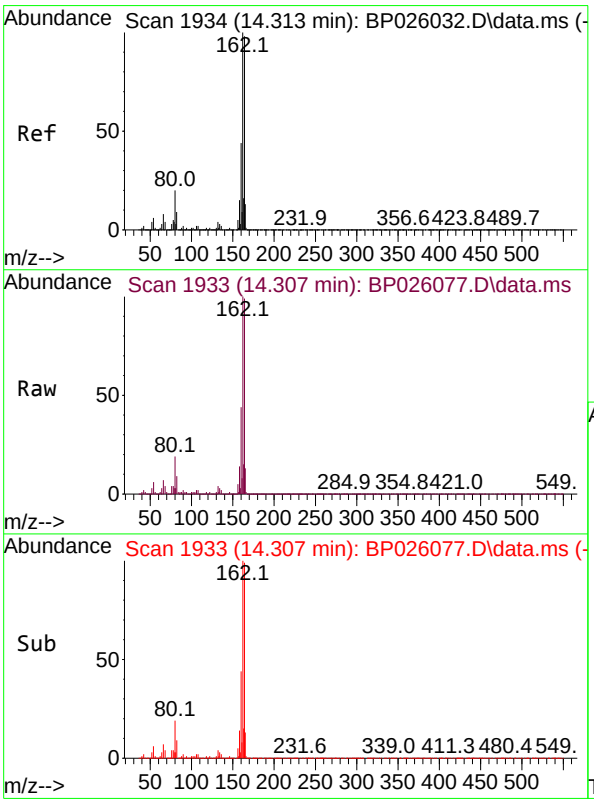
#23
Nitrobenzene-d5
Concen: 93.540 ng
RT: 8.795 min Scan# 9
Delta R.T. -0.029 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Instrument :
BNA_P
ClientSampleId :
PB170424BL

Tgt Ion: 82 Resp: 1635887

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.4	56.0
54	51.8	42.7	64.1

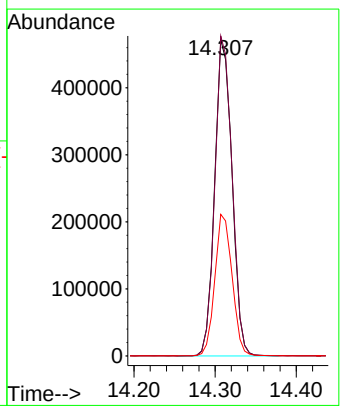


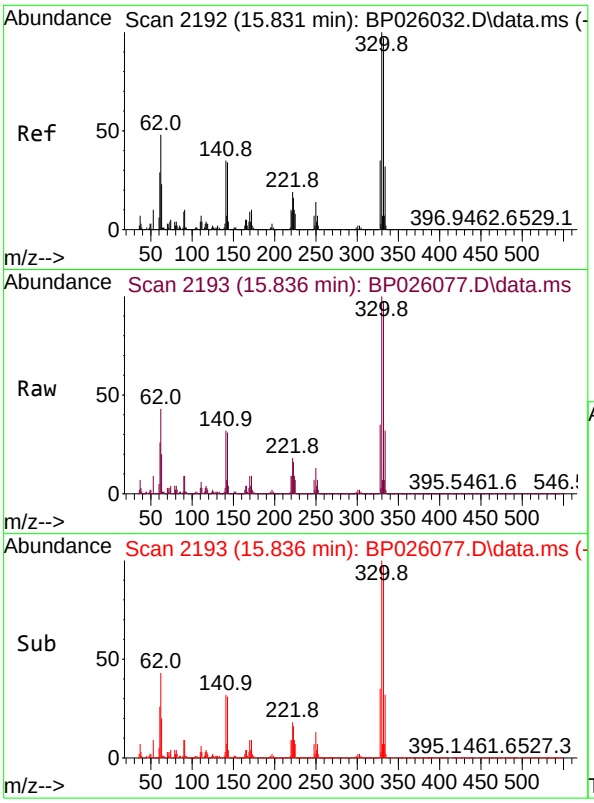


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.307 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Tgt Ion:164 Resp: 699934

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.5	122.3
160	44.8	36.2	54.4



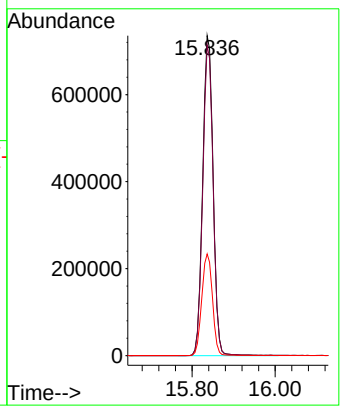


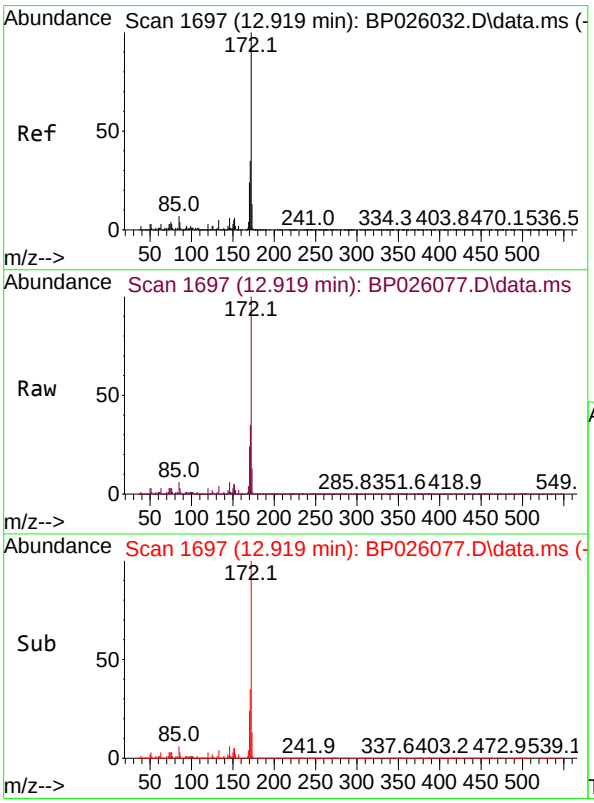
#42
2,4,6-Tribromophenol
Concen: 169.298 ng
RT: 15.836 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Instrument :
BNA_P
ClientSampleId :
PB170424BL

Tgt Ion:330 Resp: 1281072

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	32.5	28.6	42.8

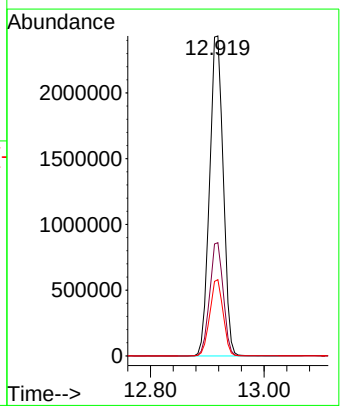


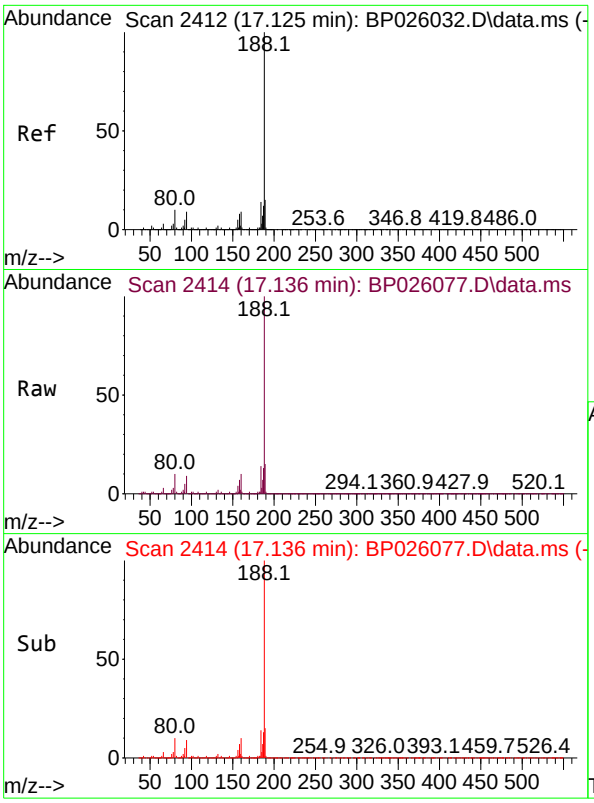


#45
2-Fluorobiphenyl
Concen: 83.629 ng
RT: 12.919 min Scan# 1697
Delta R.T. -0.012 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Tgt Ion:172 Resp: 4073635

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.9	41.9
170	23.8	19.0	28.4



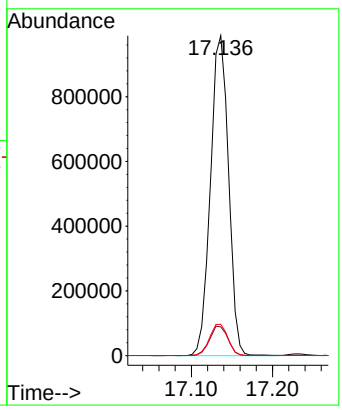


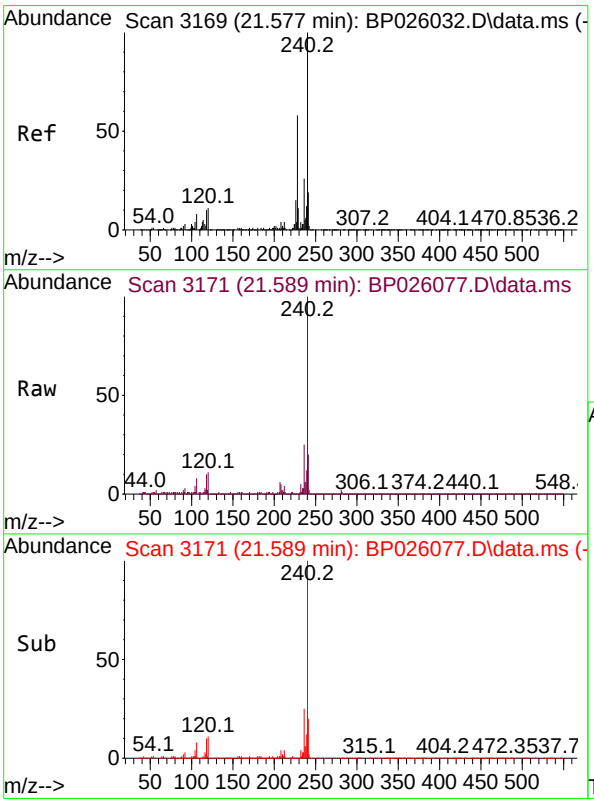
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.136 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Instrument :
BNA_P
ClientSampleId :
PB170424BL

Tgt Ion:188 Resp: 1528535

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.1	10.7
80	9.8	7.9	11.9

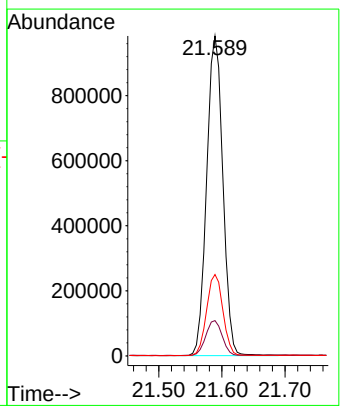


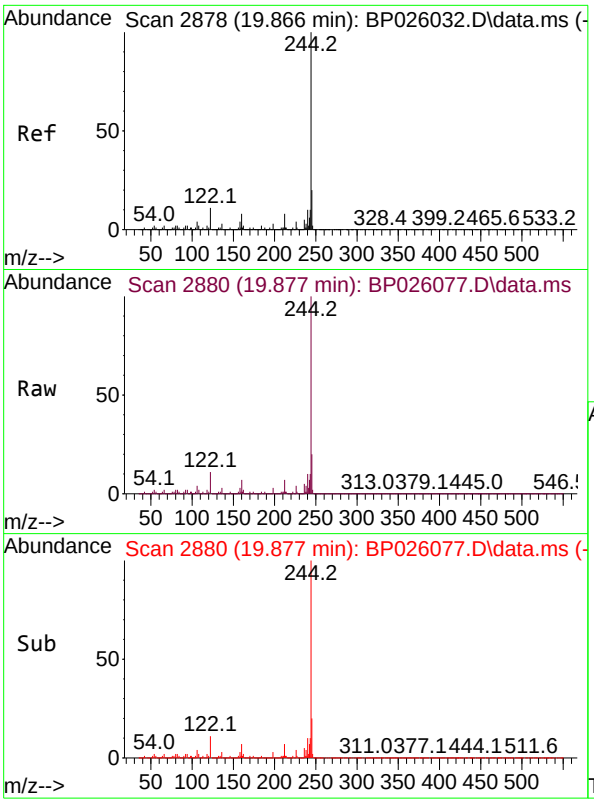


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. 0.024 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Tgt Ion:240 Resp: 1747812

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.9	13.3
236	25.4	20.6	31.0



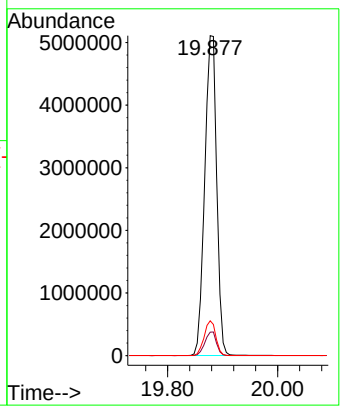


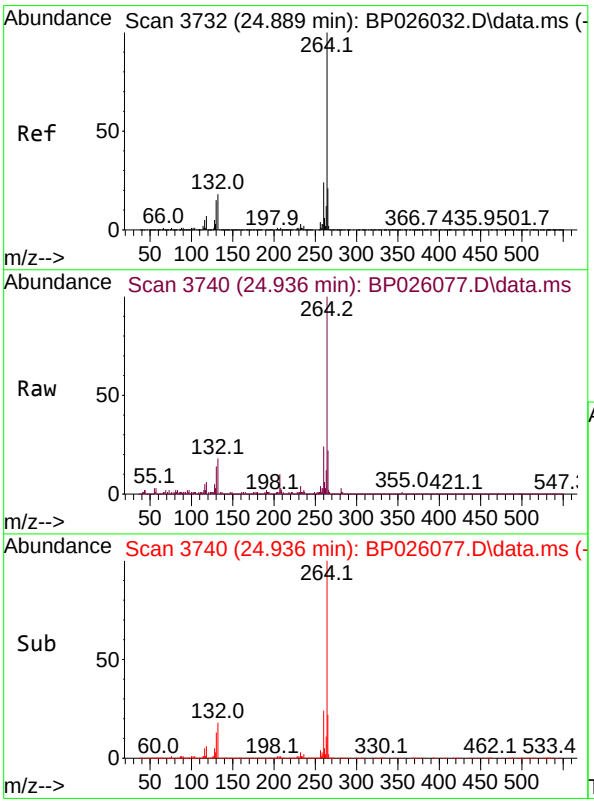
#79
Terphenyl-d14
Concen: 89.529 ng
RT: 19.877 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Instrument :
BNA_P
ClientSampleId :
PB170424BL

Tgt Ion:244 Resp: 7701953

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	10.9	9.0	13.6

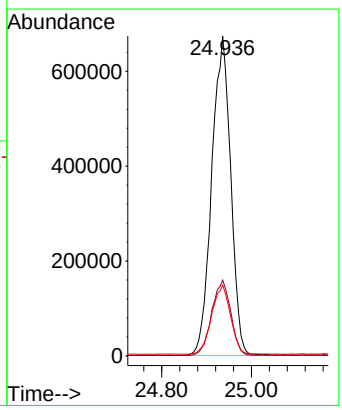




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.936 min Scan# 3740
Delta R.T. 0.053 min
Lab File: BP026077.D
Acq: 06 Nov 2025 14:13

Tgt Ion:264 Resp: 1979388

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	22.1	17.2	25.8



Sample Results: **BP026077.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026077.D
Acq On : 06 Nov 2025 14:13
Operator : RC/JU
Sample : PB170424BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170424BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026077.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.272	390	397	411	rBV	5225583	7813506	37.86%	9.495%
2	6.831	654	662	676	rBV	4868587	7797066	37.78%	9.475%
3	7.660	795	803	811	rVB	1022746	1591887	7.71%	1.935%
4	8.795	987	996	1006	rBV	2880051	4866773	23.58%	5.914%
5	10.437	1266	1275	1287	rVB	1235166	2153237	10.43%	2.617%
6	12.913	1688	1696	1709	rBV	6875094	11469039	55.57%	13.938%
7	14.307	1927	1933	1943	rBV	1945595	2908102	14.09%	3.534%
8	15.836	2185	2193	2208	rBV	5417814	9565685	46.35%	11.625%
9	17.136	2406	2414	2425	rBV2	2381214	3736978	18.11%	4.541%
10	19.877	2874	2880	2888	rBV	13758790	20637705	100.00%	25.080%
11	21.589	3165	3171	3178	rBV2	2600389	4672550	22.64%	5.678%
12	24.936	3731	3740	3749	rVB	1761078	5076248	24.60%	6.169%

Sum of corrected areas: 82288776

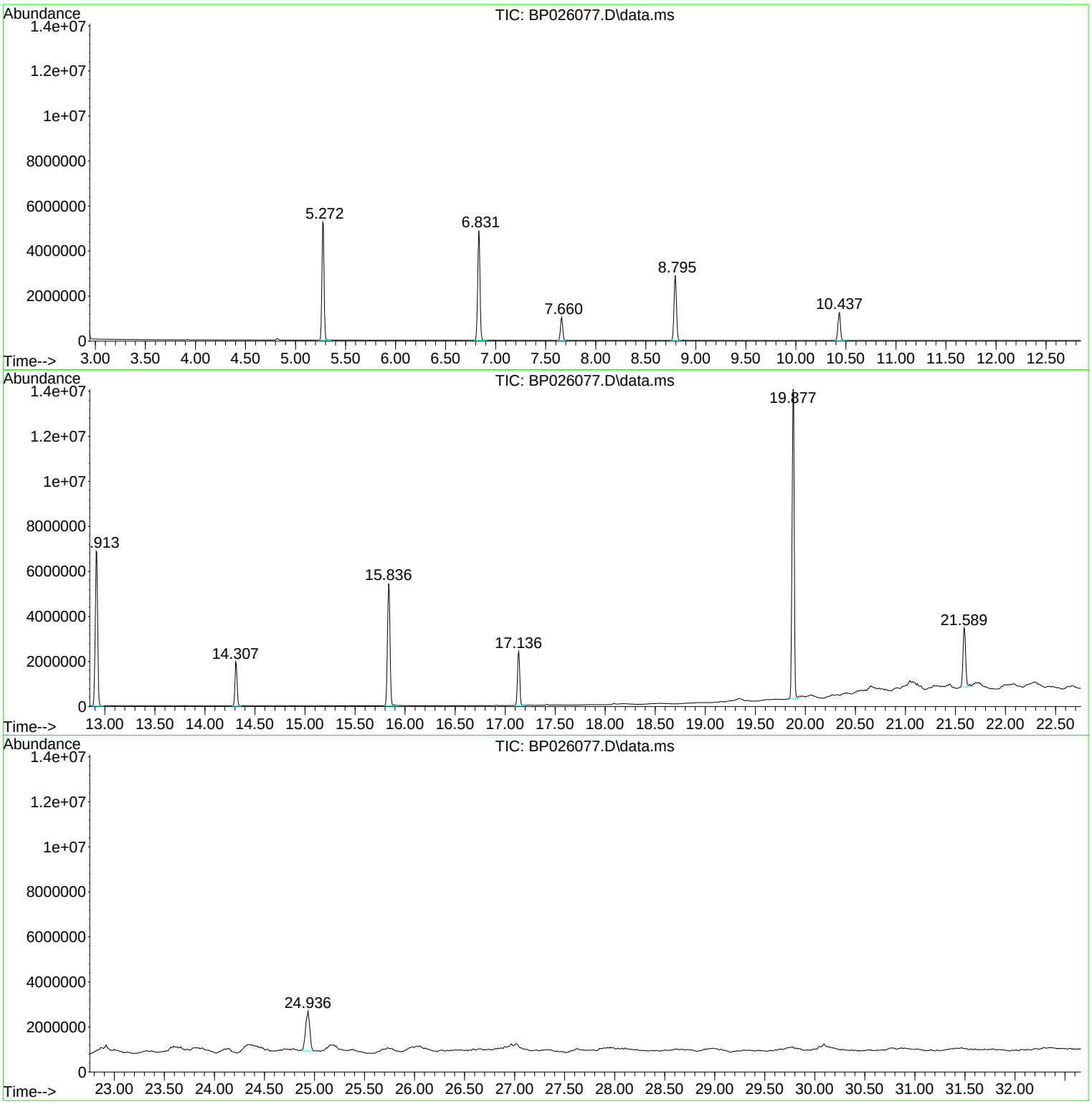
Sample Results: **BP026077.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026077.D
Acq On : 06 Nov 2025 14:13
Operator : RC/JU
Sample : PB170424BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170424BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **BP026077.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026077.D
Acq On : 06 Nov 2025 14:13
Operator : RC/JU
Sample : PB170424BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170424BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Sample Results: **BP026077.D**

```
  Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
  Data File : BP026077.D
  Acq On    : 06 Nov 2025  14:13
  Operator  : RC/JU
  Sample    : PB170424BL
  Misc      :
  ALS Vial  : 3   Sample Multiplier: 1

  Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
  Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

  TIC Library    : C:\Database\NIST20.L
  TIC Integration Parameters: LSCINT.P
```

Instrument :
BNA_P
ClientSampleId :
PB170424BL

```
                                                |--Internal Standard---|
  TIC Top Hit name      RT  EstConc Units Response |#    RT     Resp  Conc|
-------------------------------------------------------------------------------
```

Raw Data: **BP026078.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	PB170424BS	SDG No.:	Q3534
Lab Sample ID:	PB170424BS	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	32.3		1	3.90	10.0	ug/L	11/06/25 14:54	PB170424
108-95-2	Phenol	46.6		1	0.91	5.00	ug/L	11/06/25 14:54	PB170424
111-44-4	bis(2-Chloroethyl)ether	41.7		1	0.81	5.00	ug/L	11/06/25 14:54	PB170424
95-57-8	2-Chlorophenol	47.9		1	0.58	5.00	ug/L	11/06/25 14:54	PB170424
95-48-7	2-Methylphenol	48.1		1	1.10	5.00	ug/L	11/06/25 14:54	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	38.4		1	1.30	5.00	ug/L	11/06/25 14:54	PB170424
98-86-2	Acetophenone	47.6		1	0.74	5.00	ug/L	11/06/25 14:54	PB170424
65794-96-9	3+4-Methylphenols	47.9		1	1.10	10.0	ug/L	11/06/25 14:54	PB170424
621-64-7	n-Nitroso-di-n-propylamine	44.5		1	1.40	2.50	ug/L	11/06/25 14:54	PB170424
67-72-1	Hexachloroethane	43.4		1	0.65	5.00	ug/L	11/06/25 14:54	PB170424
98-95-3	Nitrobenzene	44.6		1	0.76	5.00	ug/L	11/06/25 14:54	PB170424
78-59-1	Isophorone	44.2		1	0.75	5.00	ug/L	11/06/25 14:54	PB170424
88-75-5	2-Nitrophenol	59.5		1	1.80	5.00	ug/L	11/06/25 14:54	PB170424
105-67-9	2,4-Dimethylphenol	52.0		1	1.90	5.00	ug/L	11/06/25 14:54	PB170424
111-91-1	bis(2-Chloroethoxy)methane	43.4		1	0.68	5.00	ug/L	11/06/25 14:54	PB170424
120-83-2	2,4-Dichlorophenol	50.0		1	0.52	5.00	ug/L	11/06/25 14:54	PB170424
91-20-3	Naphthalene	41.9		1	0.50	5.00	ug/L	11/06/25 14:54	PB170424
106-47-8	4-Chloroaniline	29.8		1	0.84	5.00	ug/L	11/06/25 14:54	PB170424
87-68-3	Hexachlorobutadiene	42.1		1	0.54	5.00	ug/L	11/06/25 14:54	PB170424
105-60-2	Caprolactam	54.1		1	1.10	10.0	ug/L	11/06/25 14:54	PB170424
59-50-7	4-Chloro-3-methylphenol	52.4		1	0.59	5.00	ug/L	11/06/25 14:54	PB170424
91-57-6	2-Methylnaphthalene	39.6		1	0.56	5.00	ug/L	11/06/25 14:54	PB170424
77-47-4	Hexachlorocyclopentadiene	120	E	1	3.60	10.0	ug/L	11/06/25 14:54	PB170424
88-06-2	2,4,6-Trichlorophenol	51.4		1	0.51	5.00	ug/L	11/06/25 14:54	PB170424
95-95-4	2,4,5-Trichlorophenol	50.4		1	0.62	5.00	ug/L	11/06/25 14:54	PB170424
92-52-4	1,1-Biphenyl	46.8		1	0.53	5.00	ug/L	11/06/25 14:54	PB170424
91-58-7	2-Chloronaphthalene	41.3		1	0.61	5.00	ug/L	11/06/25 14:54	PB170424
88-74-4	2-Nitroaniline	49.0		1	1.30	5.00	ug/L	11/06/25 14:54	PB170424
131-11-3	Dimethylphthalate	46.9		1	0.61	5.00	ug/L	11/06/25 14:54	PB170424
208-96-8	Acenaphthylene	50.0		1	0.75	5.00	ug/L	11/06/25 14:54	PB170424
606-20-2	2,6-Dinitrotoluene	53.2		1	0.92	5.00	ug/L	11/06/25 14:54	PB170424
99-09-2	3-Nitroaniline	38.2		1	1.10	5.00	ug/L	11/06/25 14:54	PB170424
83-32-9	Acenaphthene	40.5		1	0.55	5.00	ug/L	11/06/25 14:54	PB170424
51-28-5	2,4-Dinitrophenol	110	E	1	6.00	10.0	ug/L	11/06/25 14:54	PB170424
100-02-7	4-Nitrophenol	110	E	1	2.40	10.0	ug/L	11/06/25 14:54	PB170424
132-64-9	Dibenzofuran	43.9		1	0.61	5.00	ug/L	11/06/25 14:54	PB170424
121-14-2	2,4-Dinitrotoluene	53.2		1	1.20	5.00	ug/L	11/06/25 14:54	PB170424
84-66-2	Diethylphthalate	47.7		1	0.69	5.00	ug/L	11/06/25 14:54	PB170424
7005-72-3	4-Chlorophenyl-phenylether	44.2		1	0.68	5.00	ug/L	11/06/25 14:54	PB170424
86-73-7	Fluorene	45.1		1	0.63	5.00	ug/L	11/06/25 14:54	PB170424
100-01-6	4-Nitroaniline	53.1		1	1.50	5.00	ug/L	11/06/25 14:54	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	57.8		1	2.90	10.0	ug/L	11/06/25 14:54	PB170424

Raw Data: **BP026078.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	PB170424BS			SDG No.:	Q3534
Lab Sample ID:	PB170424BS			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date:	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	43.7		1	0.58	5.00	ug/L	11/06/25 14:54	PB170424
101-55-3	4-Bromophenyl-phenylether	43.3		1	0.40	5.00	ug/L	11/06/25 14:54	PB170424
118-74-1	Hexachlorobenzene	44.3		1	0.52	5.00	ug/L	11/06/25 14:54	PB170424
1912-24-9	Atrazine	50.8		1	1.00	5.00	ug/L	11/06/25 14:54	PB170424
87-86-5	Pentachlorophenol	120	E	1	1.60	10.0	ug/L	11/06/25 14:54	PB170424
85-01-8	Phenanthrene	43.1		1	0.50	5.00	ug/L	11/06/25 14:54	PB170424
120-12-7	Anthracene	44.3		1	0.61	5.00	ug/L	11/06/25 14:54	PB170424
86-74-8	Carbazole	45.9		1	0.72	5.00	ug/L	11/06/25 14:54	PB170424
84-74-2	Di-n-butylphthalate	49.2		1	1.20	5.00	ug/L	11/06/25 14:54	PB170424
206-44-0	Fluoranthene	46.3		1	0.82	5.00	ug/L	11/06/25 14:54	PB170424
129-00-0	Pyrene	43.7		1	0.50	5.00	ug/L	11/06/25 14:54	PB170424
85-68-7	Butylbenzylphthalate	52.6		1	1.90	5.00	ug/L	11/06/25 14:54	PB170424
91-94-1	3,3-Dichlorobenzidine	39.4		1	0.93	10.0	ug/L	11/06/25 14:54	PB170424
56-55-3	Benzo(a)anthracene	44.1		1	0.45	5.00	ug/L	11/06/25 14:54	PB170424
218-01-9	Chrysene	42.8		1	0.44	5.00	ug/L	11/06/25 14:54	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	48.9		1	1.60	5.00	ug/L	11/06/25 14:54	PB170424
117-84-0	Di-n-octyl phthalate	58.0		1	2.30	10.0	ug/L	11/06/25 14:54	PB170424
205-99-2	Benzo(b)fluoranthene	47.0		1	0.49	5.00	ug/L	11/06/25 14:54	PB170424
207-08-9	Benzo(k)fluoranthene	45.4		1	0.48	5.00	ug/L	11/06/25 14:54	PB170424
50-32-8	Benzo(a)pyrene	48.9		1	0.55	5.00	ug/L	11/06/25 14:54	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	47.5		1	0.59	5.00	ug/L	11/06/25 14:54	PB170424
53-70-3	Dibenzo(a,h)anthracene	48.3		1	0.67	5.00	ug/L	11/06/25 14:54	PB170424
191-24-2	Benzo(g,h,i)perylene	49.0		1	0.69	5.00	ug/L	11/06/25 14:54	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	44.7		1	0.52	5.00	ug/L	11/06/25 14:54	PB170424
123-91-1	1,4-Dioxane	33.5		1	1.00	5.00	ug/L	11/06/25 14:54	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	57.8		1	0.72	5.00	ug/L	11/06/25 14:54	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	132			15 (23) - 110 (138)	88%	SPK: 150		
13127-88-3	Phenol-d6	133			15 (10) - 110 (134)	89%	SPK: 150		
4165-60-0	Nitrobenzene-d5	85.8			30 (67) - 130 (132)	86%	SPK: 100		
321-60-8	2-Fluorobiphenyl	77.1			30 (52) - 130 (132)	77%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	157			15 (44) - 110 (137)	105%	SPK: 150		
1718-51-0	Terphenyl-d14	83.6			30 (42) - 130 (152)	84%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	267000							
1146-65-2	Naphthalene-d8	1100000							
15067-26-2	Acenaphthene-d10	743000							
1517-22-2	Phenanthrene-d10	1610000							
1719-03-5	Chrysene-d12	1770000							
1520-96-3	Perylene-d12	1900000							

Raw Data: **BP026078.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	PB170424BS			SDG No.:	Q3534
Lab Sample ID:	PB170424BS			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date:	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BP026078.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026078.D
Acq On : 06 Nov 2025 14:54
Operator : RC/JU
Sample : PB170424BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 15:21:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.678	152	267481	20.000	ng		-0.01
21) Naphthalene-d8	10.449	136	1101025	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	743151	20.000	ng		0.00
64) Phenanthrene-d10	17.137	188	1605700	20.000	ng		0.01
76) Chrysene-d12	21.589	240	1768366	20.000	ng		0.02
86) Perylene-d12	24.918	264	1900235	20.000	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	2134431	131.674	ng		0.00
7) Phenol-d6	6.855	99	2739608	132.783	ng		0.00
23) Nitrobenzene-d5	8.819	82	1516048	85.838	ng		0.00
42) 2,4,6-Tribromophenol	15.848	330	1259976	156.827	ng		0.02
45) 2-Fluorobiphenyl	12.925	172	3989141	77.132	ng		0.00
79) Terphenyl-d14	19.878	244	7274300	83.575	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.231	88	228695	33.466	ng		98
3) Pyridine	3.614	79	625068	32.176	ng		98
4) n-Nitrosodimethylamine	3.525	42	319759	41.069	ng		94
6) Aniline	7.008	93	958128	34.796	ng		100
8) 2-Chlorophenol	7.249	128	858954	47.852	ng		99
9) Benzaldehyde	6.825	77	345997	32.260	ng		95
10) Phenol	6.884	94	1066604	46.566	ng		99
11) bis(2-Chloroethyl)ether	7.108	93	753091	41.661	ng		100
12) 1,3-Dichlorobenzene	7.572	146	868572	42.134	ng		99
13) 1,4-Dichlorobenzene	7.713	146	892245	42.809	ng		99
14) 1,2-Dichlorobenzene	8.025	146	856556	43.068	ng		98
15) Benzyl Alcohol	7.908	79	710449	47.765	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.208	45	1049272	38.407	ng		98
17) 2-Methylphenol	8.113	107	721030	48.073	ng		99
18) Hexachloroethane	8.755	117	309247	43.360	ng		99
19) n-Nitroso-di-n-propyla...	8.478	70	569930	44.500	ng		98
20) 3+4-Methylphenols	8.437	107	999019	47.878	ng		99
22) Acetophenone	8.490	105	1324713	47.574	ng	#	97
24) Nitrobenzene	8.860	77	831145	44.571	ng		98
25) Isophorone	9.384	82	1671080	44.205	ng		99
26) 2-Nitrophenol	9.560	139	412794	59.463	ng		97
27) 2,4-Dimethylphenol	9.631	122	827301	52.041	ng		99
28) bis(2-Chloroethoxy)met...	9.860	93	1035151	43.449	ng		99
29) 2,4-Dichlorophenol	10.102	162	839860	50.036	ng		100
30) 1,2,4-Trichlorobenzene	10.313	180	821961	45.054	ng		98
31) Naphthalene	10.496	128	2518184	41.941	ng		100
32) Benzoic acid	9.766	122	733850	66.851	ng		96
33) 4-Chloroaniline	10.596	127	687819	29.812	ng		100
34) Hexachlorobutadiene	10.796	225	487756	42.071	ng		98
35) Caprolactam	11.372	113	318793	54.084	ng	#	85
36) 4-Chloro-3-methylphenol	11.737	107	921338	52.361	ng		97
37) 2-Methylnaphthalene	12.119	142	1662385	39.559	ng		99
38) 1-Methylnaphthalene	12.337	142	1745234	42.749	ng		99
40) 1,2,4,5-Tetrachloroben...	12.490	216	1031085	44.654	ng		99
41) Hexachlorocyclopentadiene	12.472	237	1038818	122.960	ng		98
43) 2,4,6-Trichlorophenol	12.731	196	701691	51.412	ng		99

Sample Results: **BP026078.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026078.D
Acq On : 06 Nov 2025 14:54
Operator : RC/JU
Sample : PB170424BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

Quant Time: Nov 06 15:21:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.801	196	784179	50.353 ng	97
46) 1,1'-Biphenyl	13.137	154	2661227	46.767 ng	99
47) 2-Chloronaphthalene	13.178	162	1849030	41.299 ng	98
48) 2-Nitroaniline	13.378	65	565071	48.980 ng	95
49) Acenaphthylene	14.037	152	3262480	49.996 ng	99
50) Dimethylphthalate	13.778	163	2532955	46.858 ng	100
51) 2,6-Dinitrotoluene	13.884	165	540117	53.171 ng	94
52) Acenaphthene	14.390	154	1816312	40.545 ng	99
53) 3-Nitroaniline	14.213	138	458416	38.212 ng	94
54) 2,4-Dinitrophenol	14.431	184	585957	107.212 ng	98
55) Dibenzofuran	14.731	168	2969657	43.876 ng	99
56) 4-Nitrophenol	14.537	139	1146432	106.358 ng	96
57) 2,4-Dinitrotoluene	14.690	165	794705	53.238 ng	90
58) Fluorene	15.390	166	2393222	45.133 ng	99
59) 2,3,4,6-Tetrachlorophenol	14.954	232	707680	57.794 ng	99
60) Diethylphthalate	15.172	149	2591597	47.689 ng	100
61) 4-Chlorophenyl-phenyle...	15.390	204	1171602	44.245 ng	99
62) 4-Nitroaniline	15.401	138	613474	53.110 ng	95
63) Azobenzene	15.690	77	2223930	45.155 ng	97
65) 4,6-Dinitro-2-methylph...	15.472	198	399647	57.808 ng	95
66) n-Nitrosodiphenylamine	15.601	169	2194244	43.706 ng	99
67) 4-Bromophenyl-phenylether	16.301	248	772035	43.345 ng	99
68) Hexachlorobenzene	16.419	284	897305	44.254 ng	98
69) Atrazine	16.595	200	860965	50.836 ng	99
70) Pentachlorophenol	16.772	266	1435012	115.866 ng	100
71) Phenanthrene	17.178	178	4032543	43.147 ng	100
72) Anthracene	17.266	178	4104031	44.300 ng	99
73) Carbazole	17.548	167	4027600	45.927 ng	99
74) Di-n-butylphthalate	18.148	149	4830149	49.223 ng	99
75) Fluoranthene	19.272	202	5051062	46.331 ng	99
77) Benzidine	19.460	184	1695764	37.780 ng	99
78) Pyrene	19.648	202	5228032	43.712 ng	99
80) Butylbenzylphthalate	20.613	149	2362622	52.562 ng	98
81) Benzo(a)anthracene	21.566	228	5354112	44.060 ng	99
82) 3,3'-Dichlorobenzidine	21.483	252	1541201	39.364 ng	99
83) Chrysene	21.636	228	4930677	42.834 ng	100
84) Bis(2-ethylhexyl)phtha...	21.530	149	3492262	48.947 ng	98
85) Di-n-octyl phthalate	22.807	149	6106180	58.006 ng	97
87) Indeno(1,2,3-cd)pyrene	28.689	276	6667852m	47.529 ng	
88) Benzo(b)fluoranthene	23.854	252	5544570	47.002 ng	99
89) Benzo(k)fluoranthene	23.936	252	5471101	45.417 ng	100
90) Benzo(a)pyrene	24.754	252	5303300	48.935 ng	99
91) Dibenzo(a,h)anthracene	28.789	278	5511788	48.279 ng	99
92) Benzo(g,h,i)perylene	29.865	276	5388220	49.046 ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Sample Results: **BP026078.D**

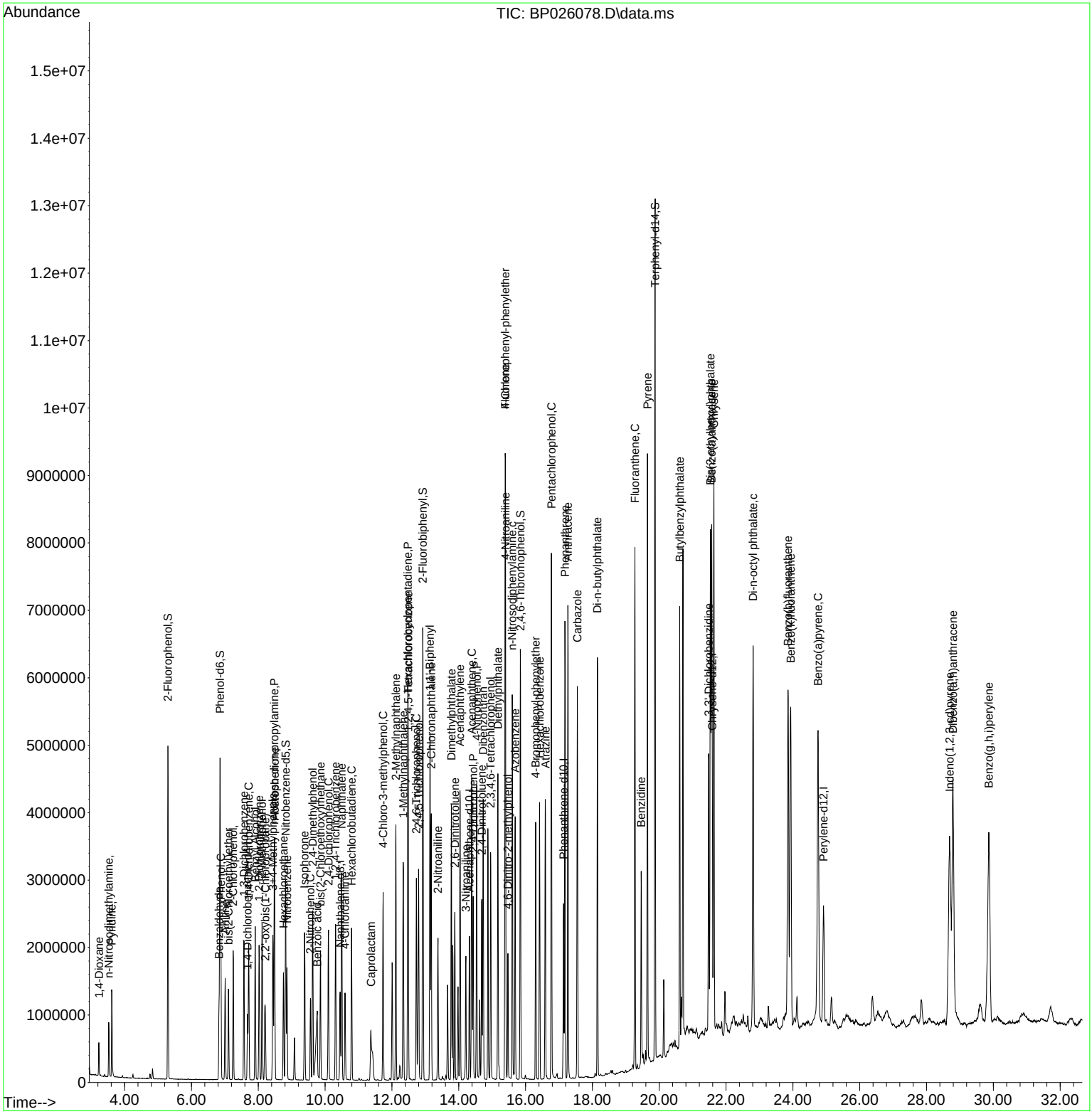
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026078.D
Acq On : 06 Nov 2025 14:54
Operator : RC/JU
Sample : PB170424BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

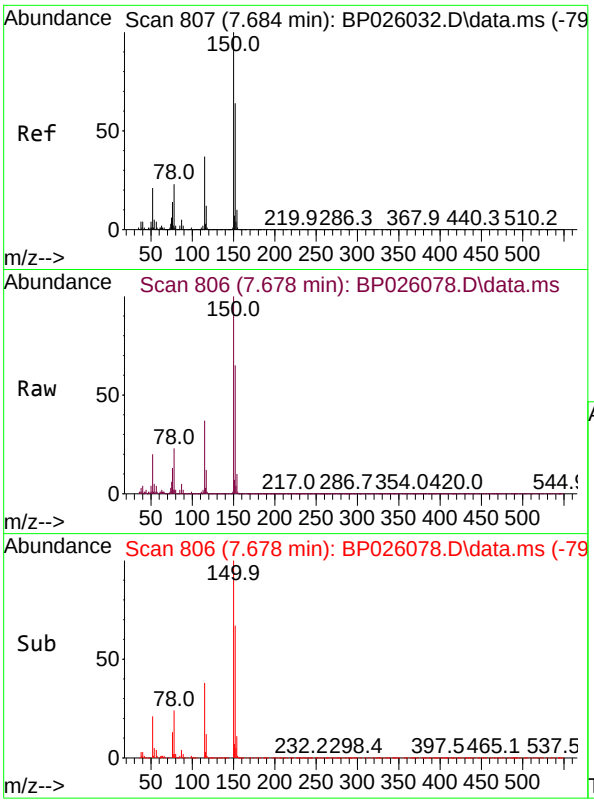
Quant Time: Nov 06 15:21:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

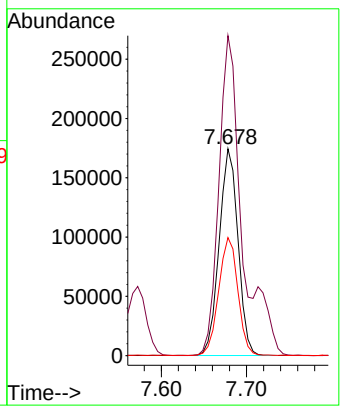
Tgt Ion:152 Resp: 26748

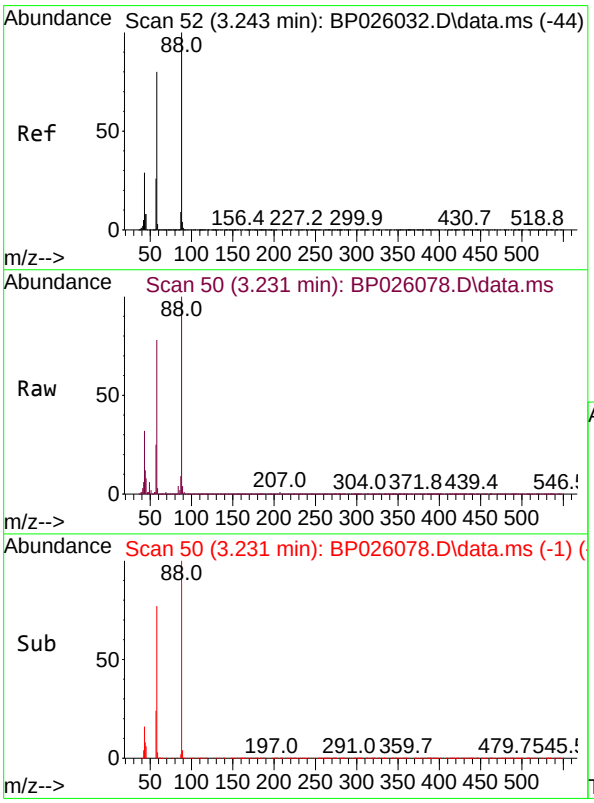
Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.7	188.5
115	57.1	46.4	69.6

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

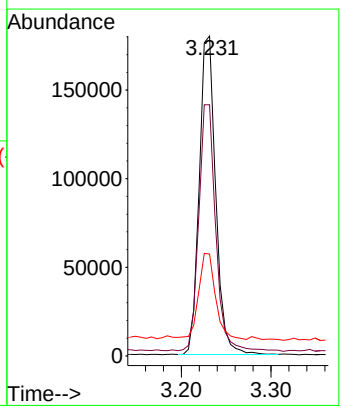


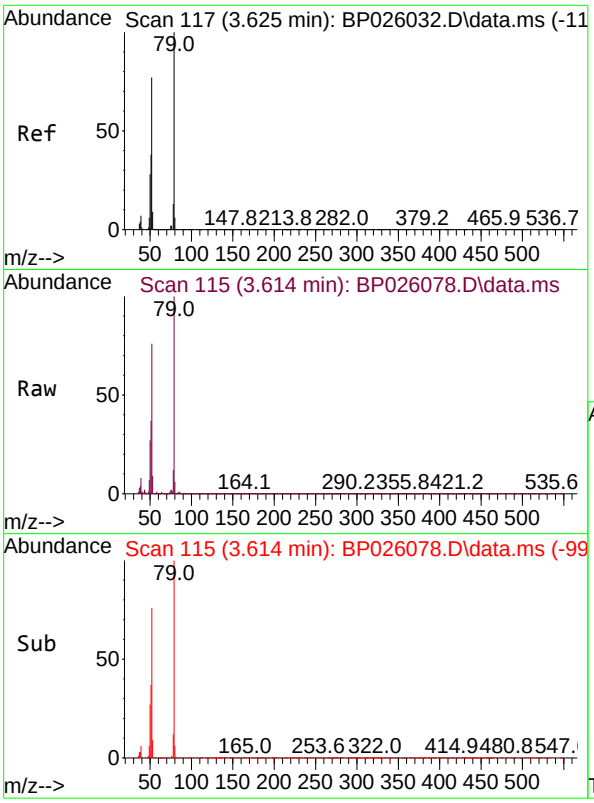


#2
1,4-Dioxane
Concen: 33.466 ng
RT: 3.231 min Scan# 50
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 88 Resp: 228695

Ion	Ratio	Lower	Upper
88	100		
58	80.4	65.4	98.0
43	27.9	23.1	34.7





#3
Pyridine
Concen: 32.176 ng
RT: 3.614 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

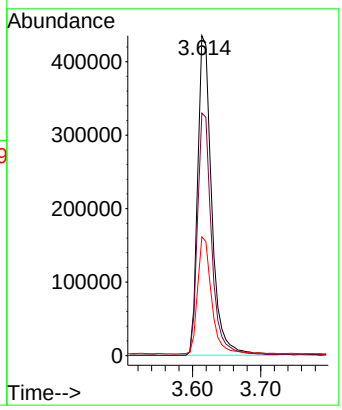
Tgt Ion: 79 Resp: 625068

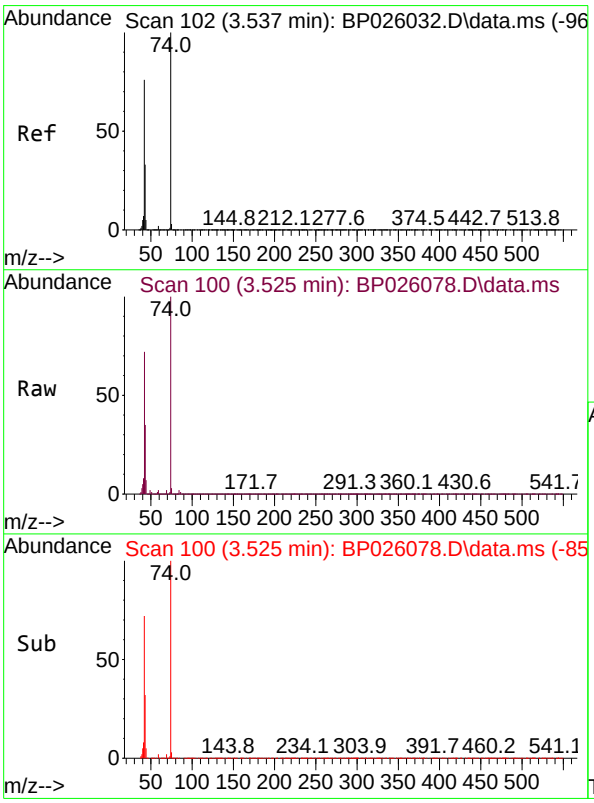
Ion	Ratio	Lower	Upper
79	100		
52	75.8	62.0	93.0
51	37.1	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

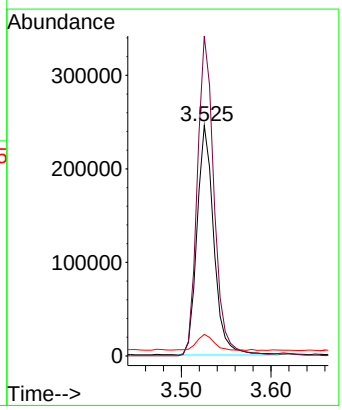


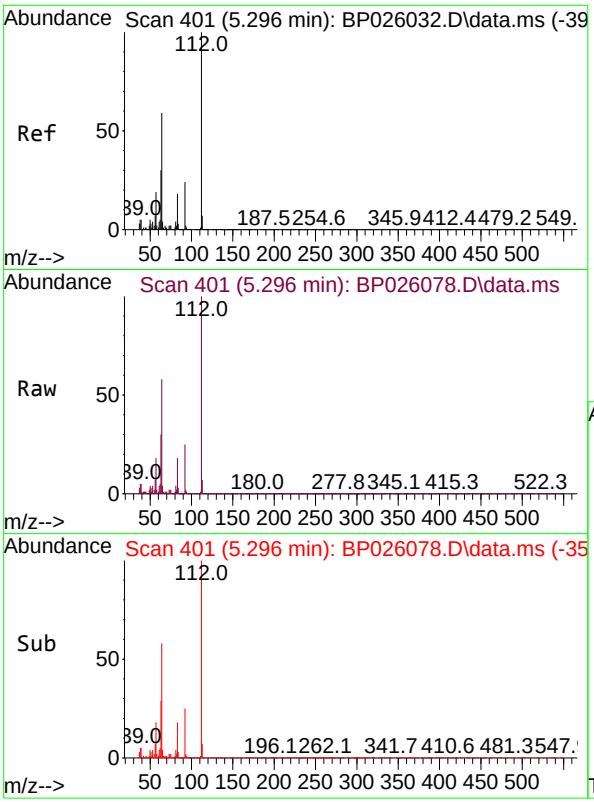


#4
n-Nitrosodimethylamine
Concen: 41.069 ng
RT: 3.525 min Scan# 100
Delta R.T. -0.011 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 42 Resp: 319759

Ion	Ratio	Lower	Upper
42	100		
74	138.8	105.7	158.5
44	9.4	6.6	9.8





#5
2-Fluorophenol
Concen: 131.674 ng
RT: 5.296 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:112 Resp: 213443

Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.4	71.2
63	29.5	24.2	36.4

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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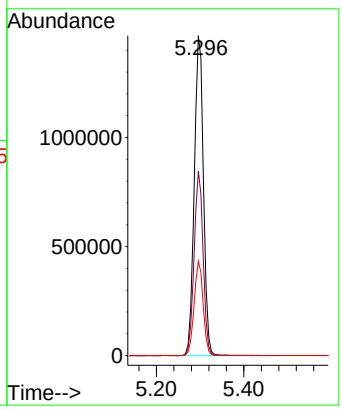
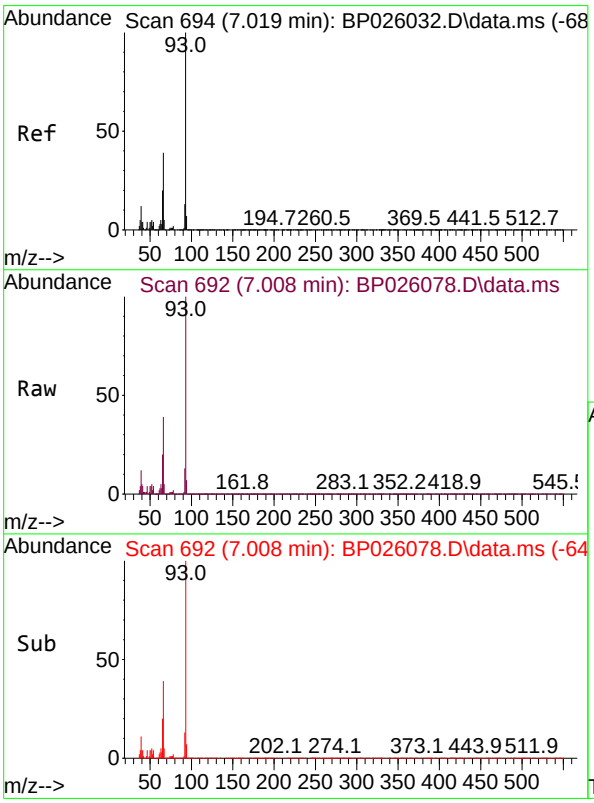
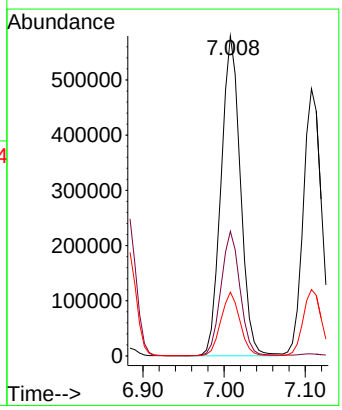


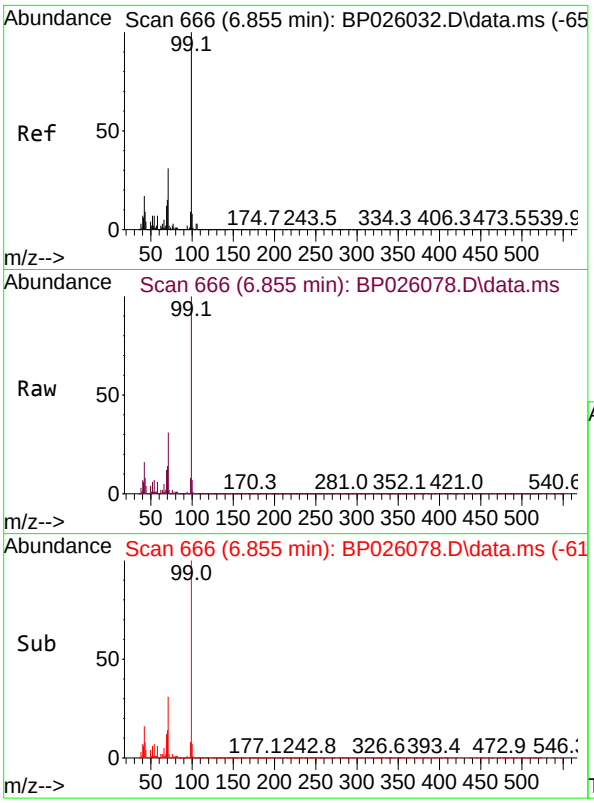


#6
Aniline
Concen: 34.796 ng
RT: 7.008 min Scan# 692
Delta R.T. -0.011 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 93 Resp: 958128

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.2	46.8
65	19.9	16.1	24.1





#7
Phenol-d6
Concen: 132.783 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 99 Resp: 2739608

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.7	20.5
71	30.9	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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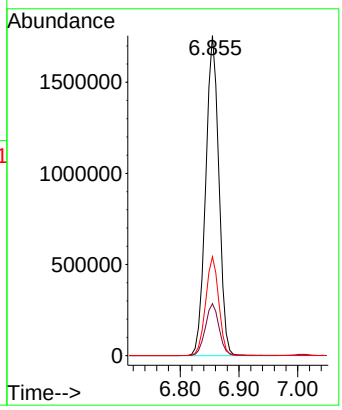
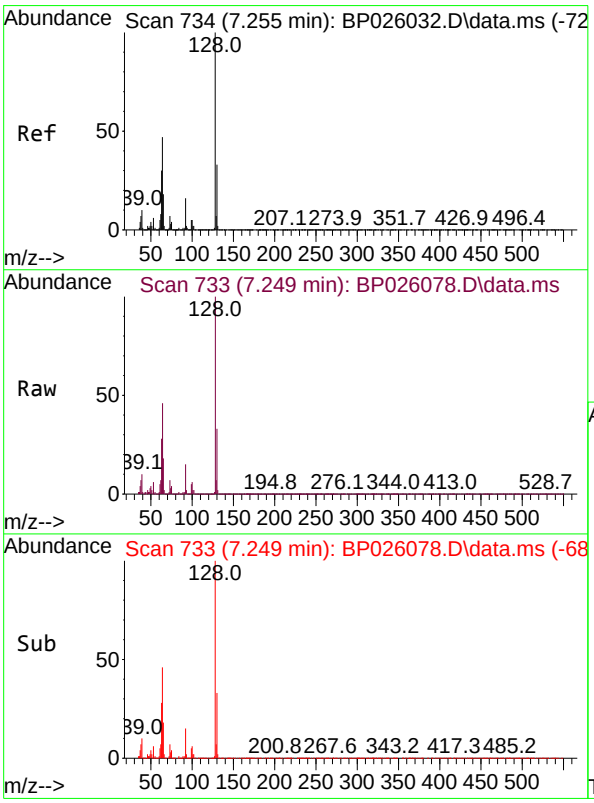
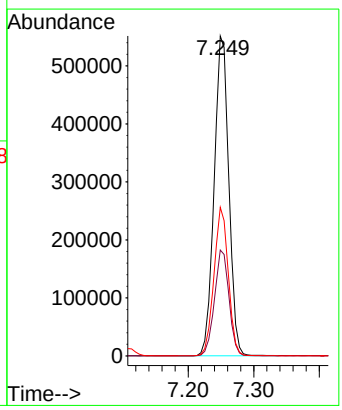


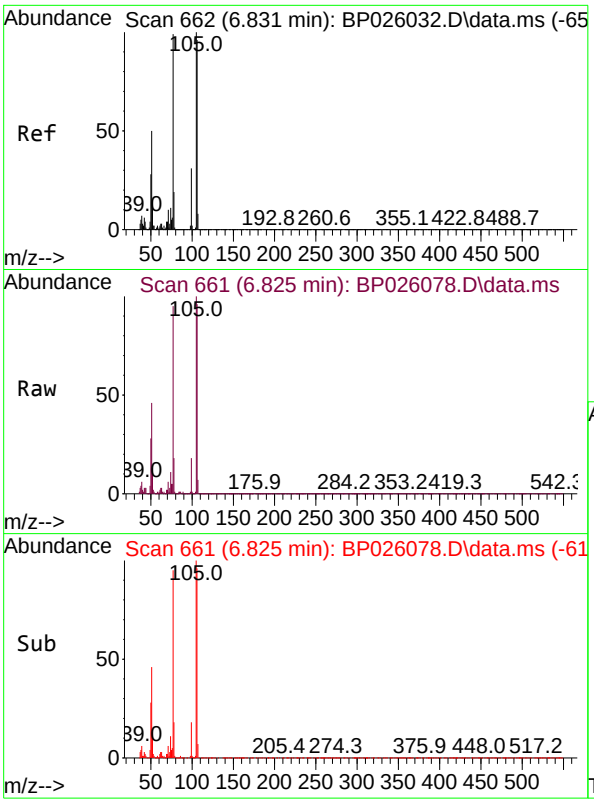


#8
2-Chlorophenol
Concen: 47.852 ng
RT: 7.249 min Scan# 733
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:128 Resp: 858954

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.7	52.7
64	46.4	27.4	67.4





#9
Benzaldehyde
Concen: 32.260 ng
RT: 6.825 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 77 Resp: 34599

Ion	Ratio	Lower	Upper
77	100		
105	105.6	80.7	120.7
106	101.1	76.5	116.5

Instrument :
BNA_P
ClientSampleId :
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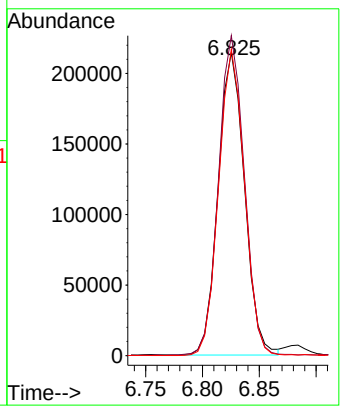
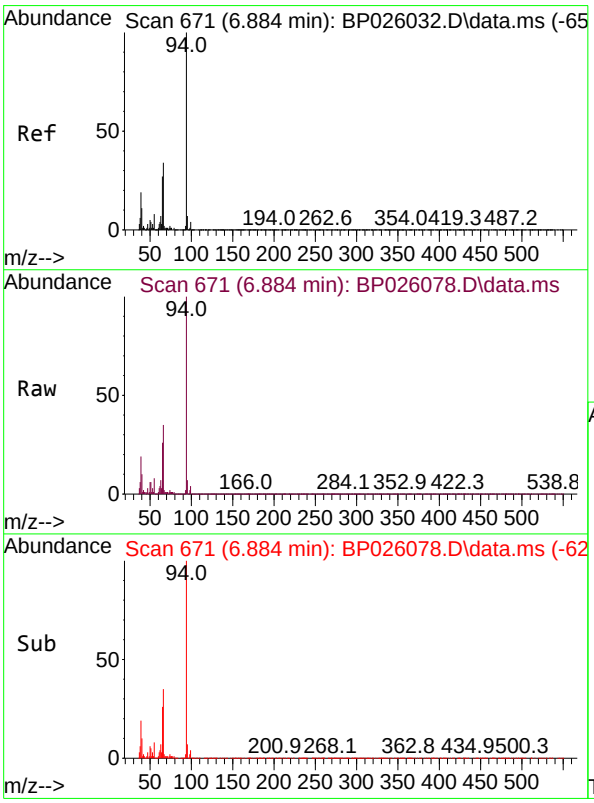
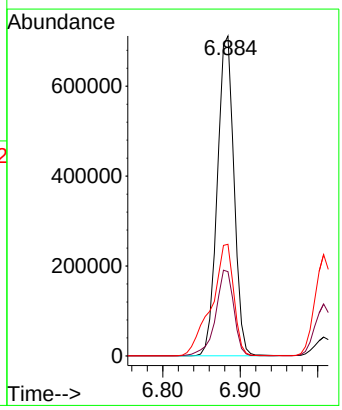


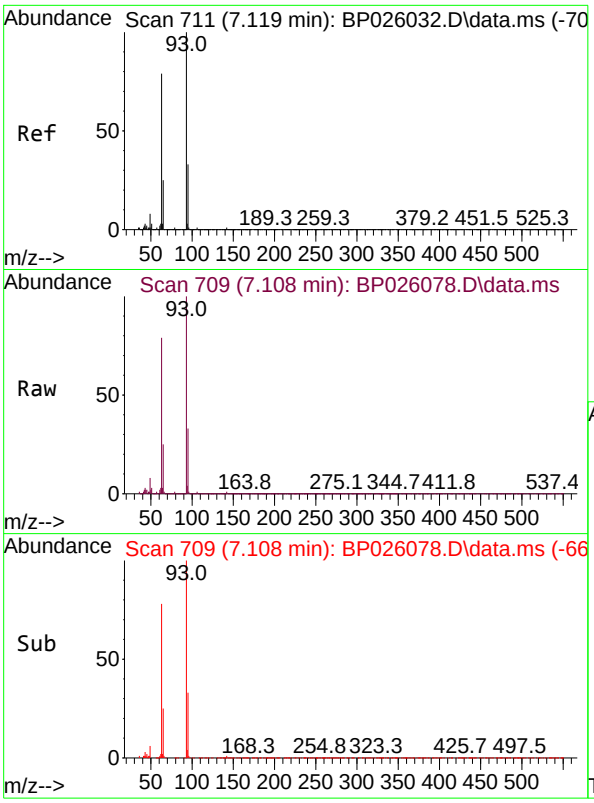


#10
Phenol
Concen: 46.566 ng
RT: 6.884 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 94 Resp: 1066604

Ion	Ratio	Lower	Upper
94	100		
65	26.4	7.1	47.1
66	34.9	14.4	54.4





#11
bis(2-Chloroethyl)ether
Concen: 41.661 ng
RT: 7.108 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 93 Resp: 75309

Ion	Ratio	Lower	Upper
93	100		
63	79.2	59.1	99.1
95	32.6	12.6	52.6

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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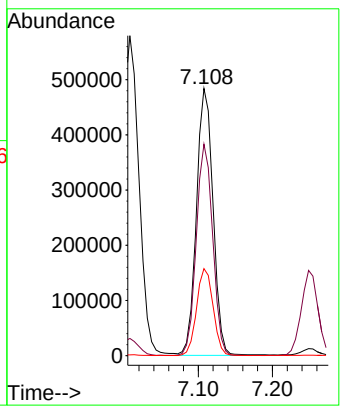
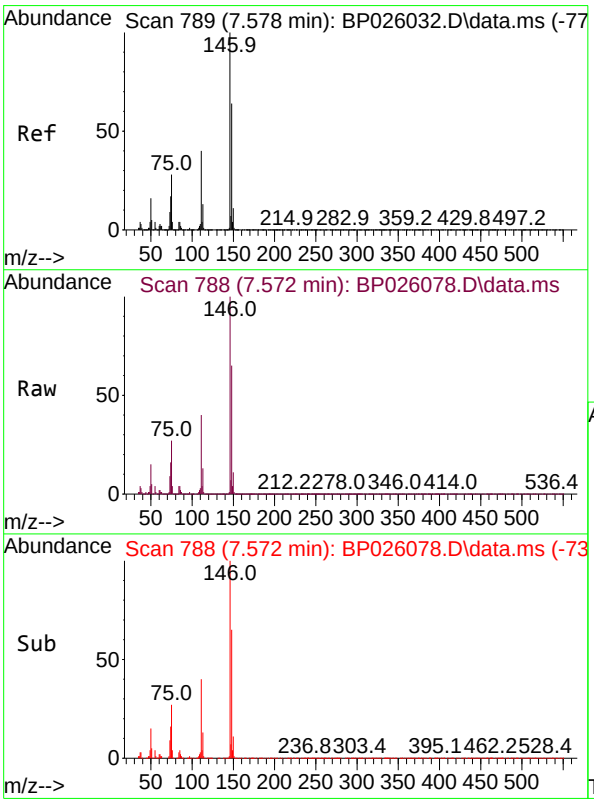
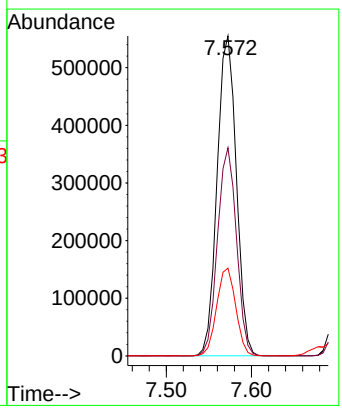


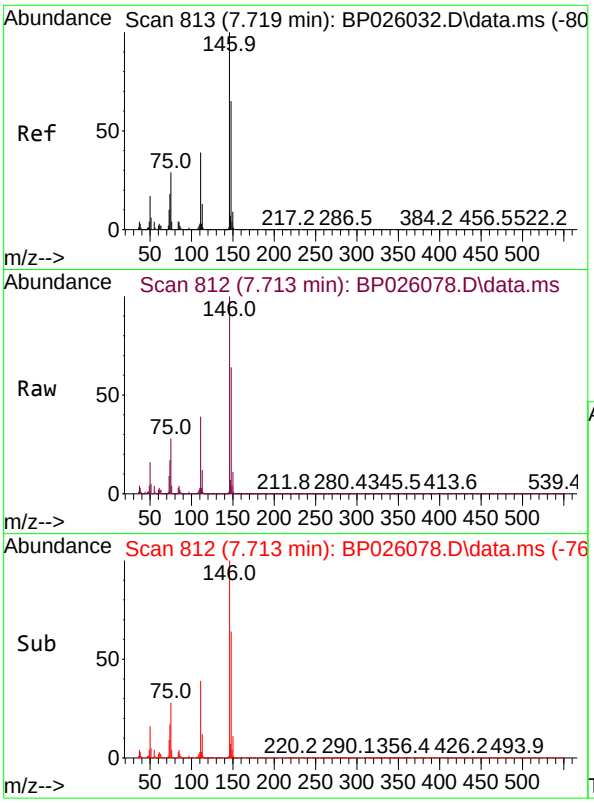


#12
1,3-Dichlorobenzene
Concen: 42.134 ng
RT: 7.572 min Scan# 788
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:146 Resp: 868572

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.6	77.4
75	27.4	22.6	33.8





#13
1,4-Dichlorobenzene
Concen: 42.809 ng
RT: 7.713 min Scan# 8
Delta R.T. -0.011 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:146 Resp: 89224

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.2	78.2
111	39.4	31.3	46.9

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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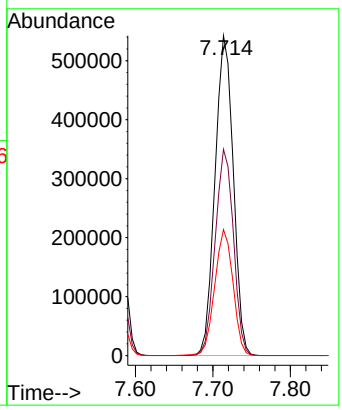
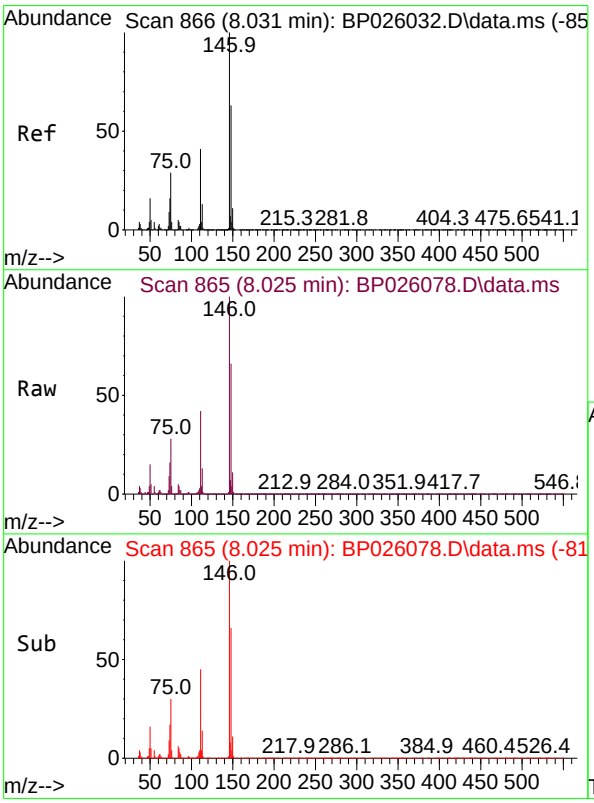
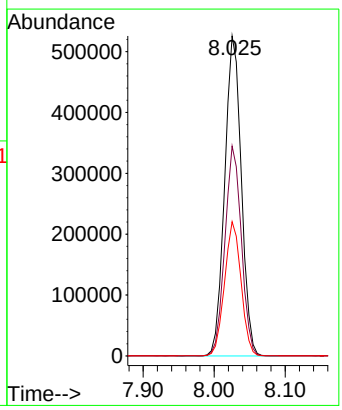


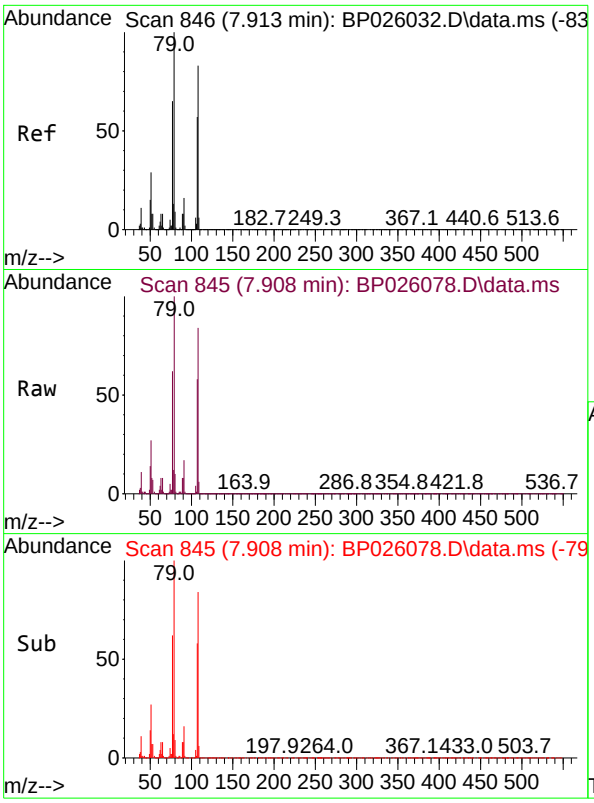


#14
1,2-Dichlorobenzene
Concen: 43.068 ng
RT: 8.025 min Scan# 865
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:146 Resp: 856556

Ion	Ratio	Lower	Upper
146	100		
148	65.6	50.8	76.2
111	41.9	33.0	49.4





#15
Benzyl Alcohol
Concen: 47.765 ng
RT: 7.908 min Scan# 84
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 79 Resp: 710449

Ion	Ratio	Lower	Upper
79	100		
108	83.9	66.0	99.0
77	62.3	52.3	78.5

Instrument :
BNA_P
ClientSampleId :
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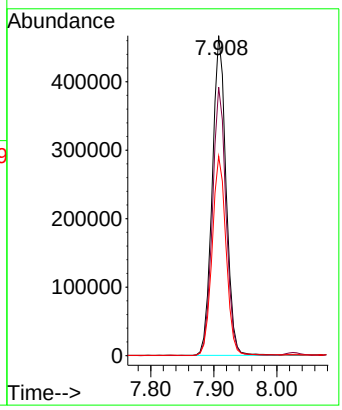
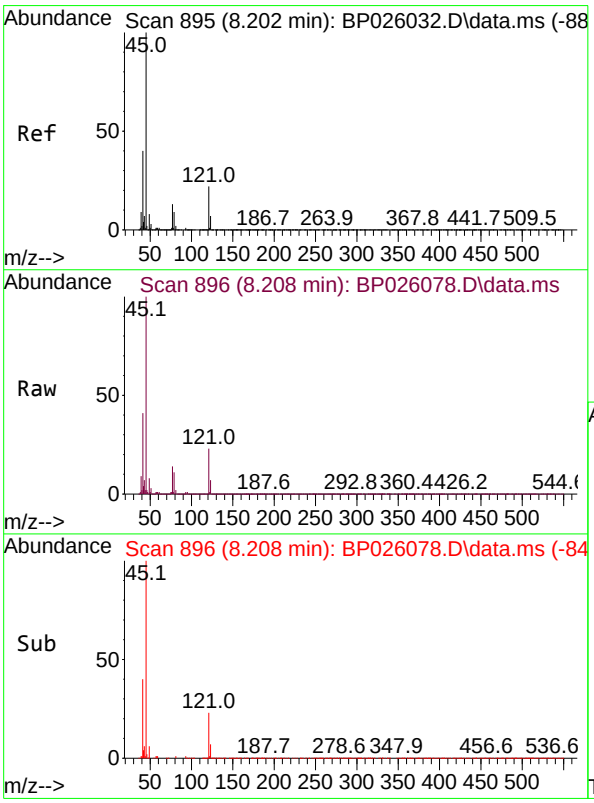
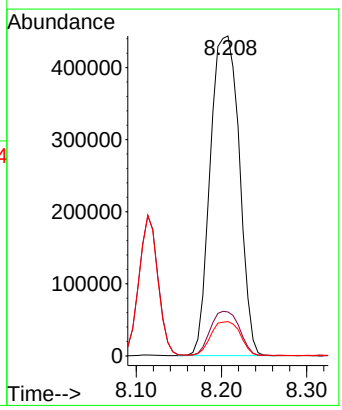


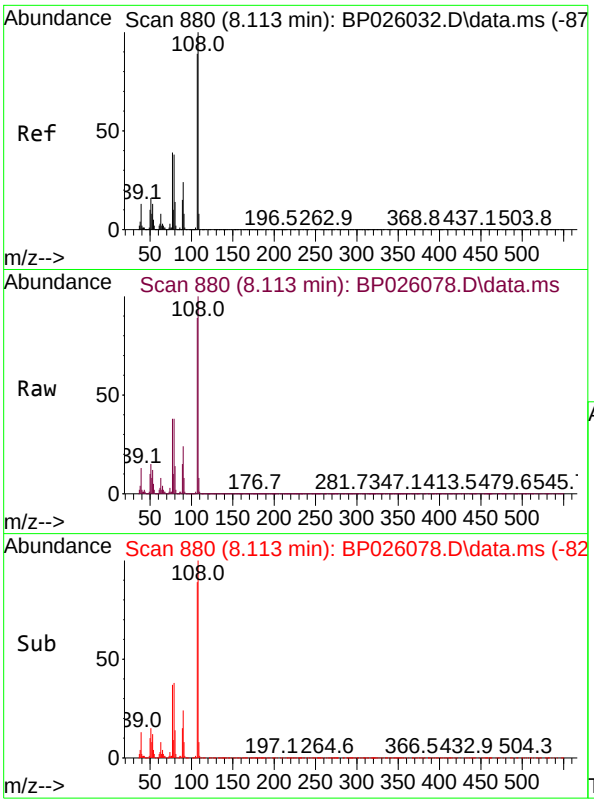


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.407 ng
RT: 8.208 min Scan# 896
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 45 Resp: 1049272

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	33.2
79	10.7	0.0	29.5

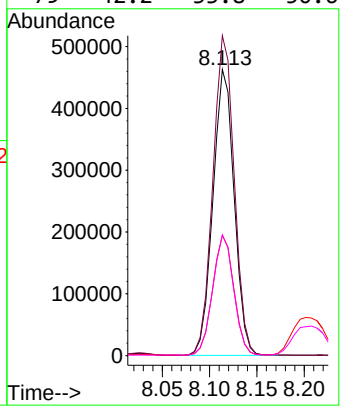




#17
2-Methylphenol
Concen: 48.073 ng
RT: 8.113 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:107 Resp: 721030

Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.8	134.8
77	42.0	34.8	52.2
79	42.2	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
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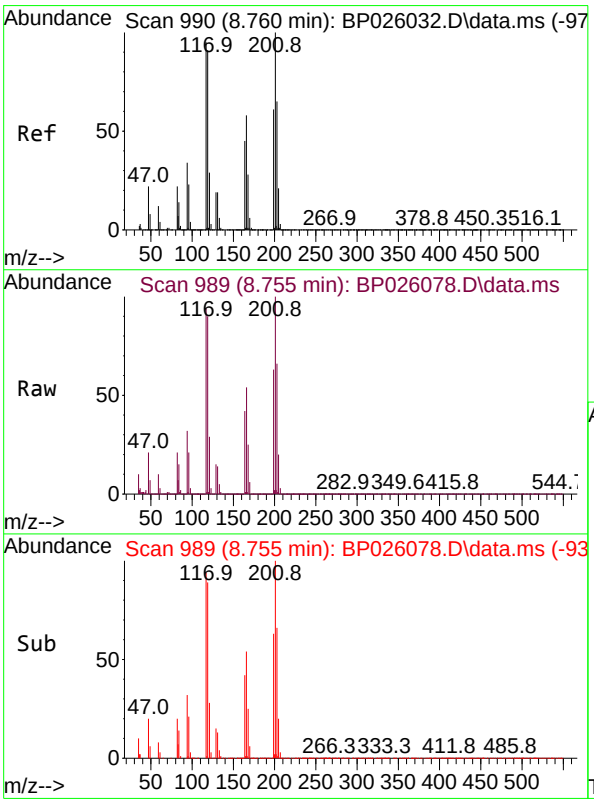
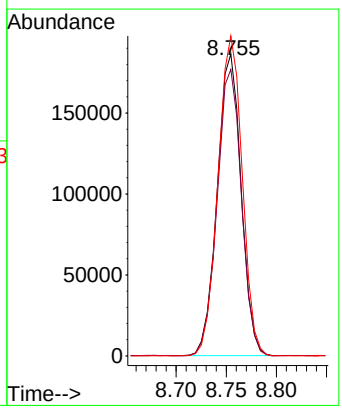
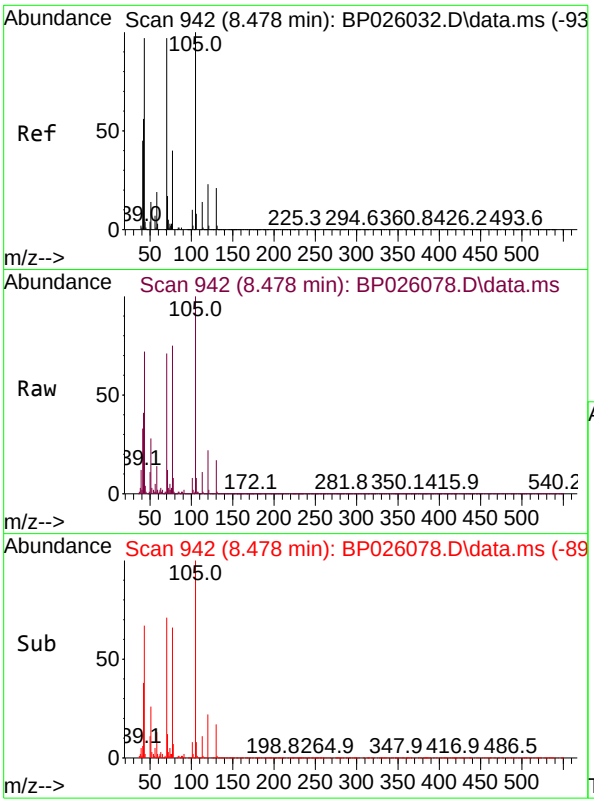


#18
Hexachloroethane
Concen: 43.360 ng
RT: 8.755 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:117 Resp: 309247

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.5	114.7
201	105.9	84.2	126.4





#19
n-Nitroso-di-n-propylamine
Concen: 44.500 ng
RT: 8.478 min Scan# 94
Delta R.T. -0.011 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 70 Resp: 569930

Ion	Ratio	Lower	Upper
70	100		
42	58.1	47.2	70.8
101	10.9	8.2	12.2
130	24.3	17.7	26.5

Instrument :
BNA_P
ClientSampleId :
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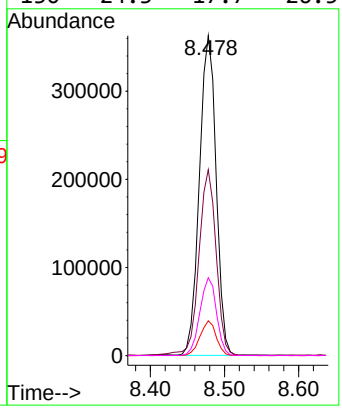
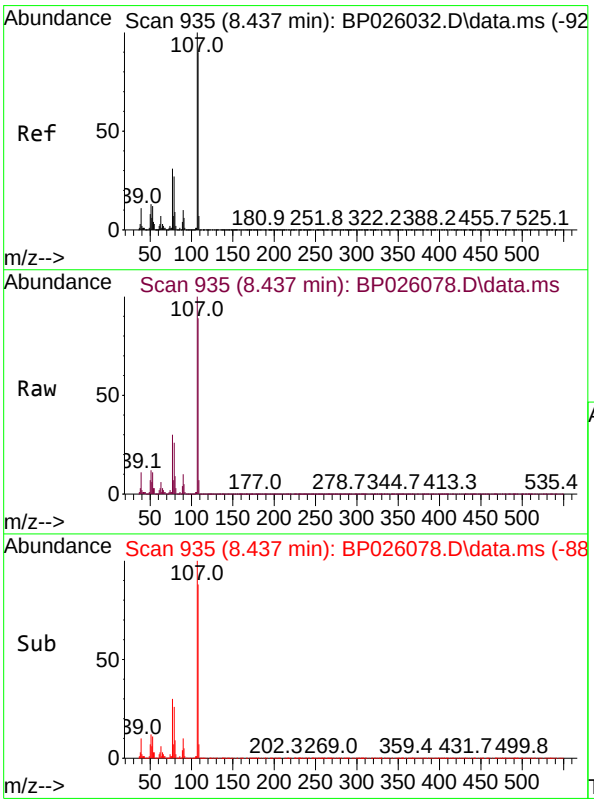
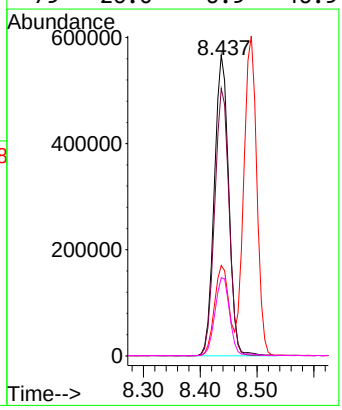


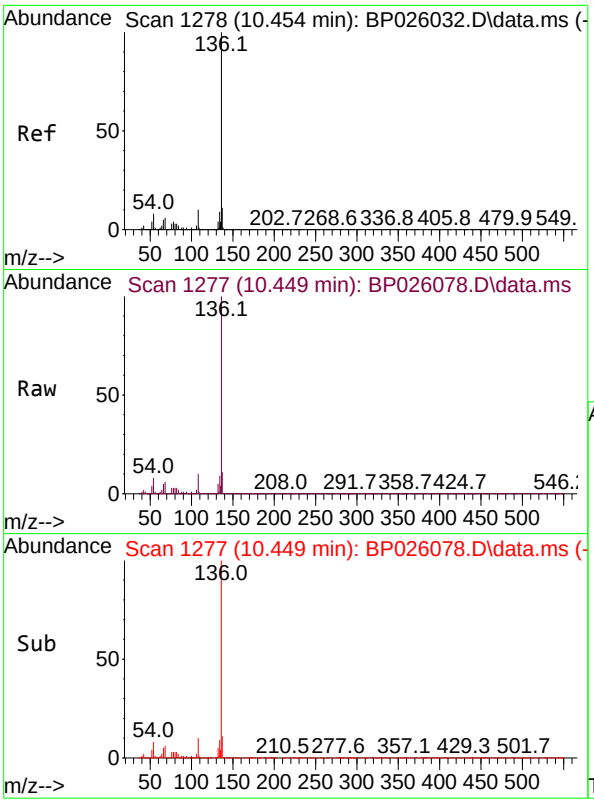


#20
3+4-Methylphenols
Concen: 47.878 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:107 Resp: 999019

Ion	Ratio	Lower	Upper
107	100		
108	88.9	70.1	110.1
77	30.0	10.7	50.7
79	26.0	6.9	46.9

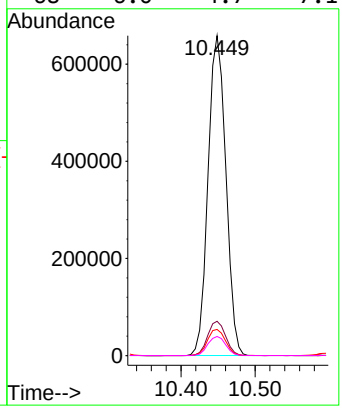




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:136 Resp: 110102

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.2	6.6	10.0
68	6.0	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
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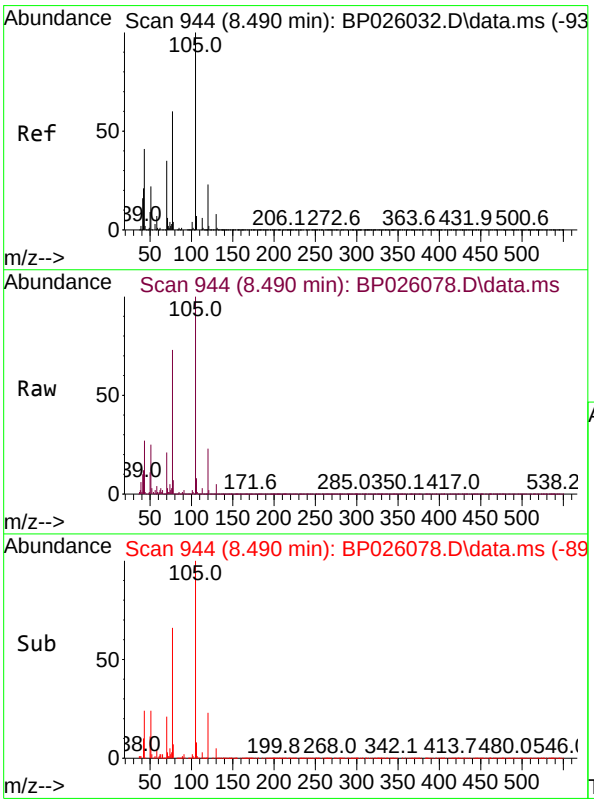
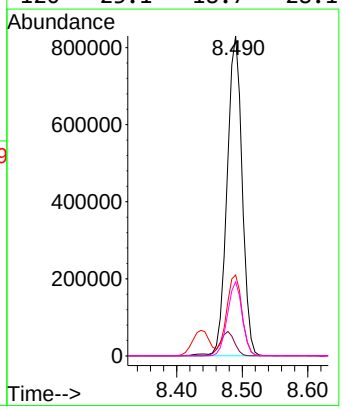
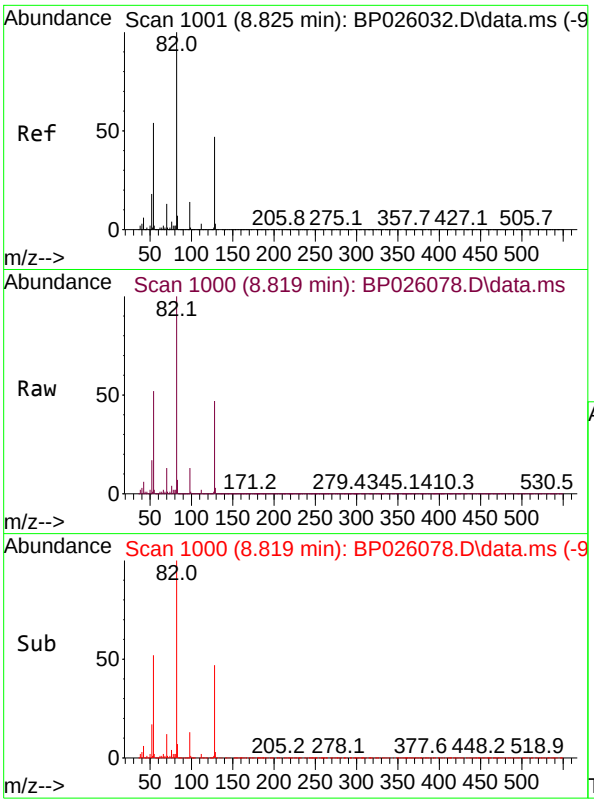


#22
Acetophenone
Concen: 47.574 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:105 Resp: 1324713

Ion	Ratio	Lower	Upper
105	100		
71	3.5	4.7	7.1#
51	25.3	21.8	32.8
120	23.1	18.7	28.1





#23
Nitrobenzene-d5
Concen: 85.838 ng
RT: 8.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 82 Resp: 1516048

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.4	56.0
54	51.9	42.7	64.1

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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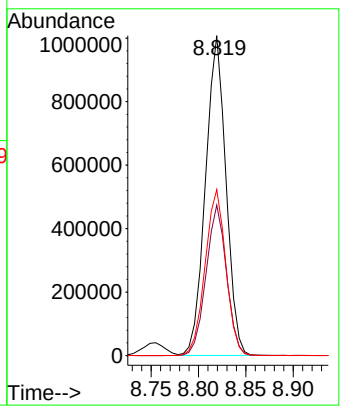
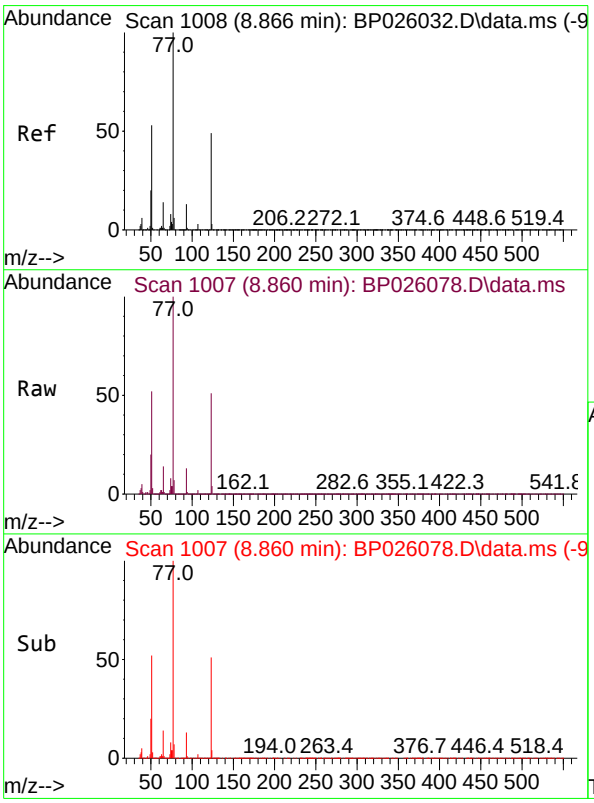
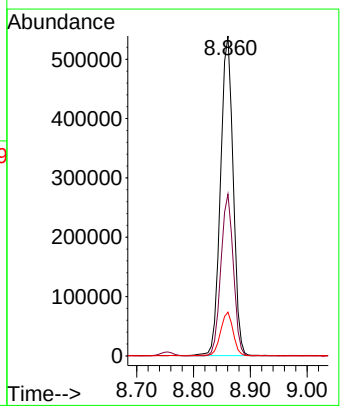


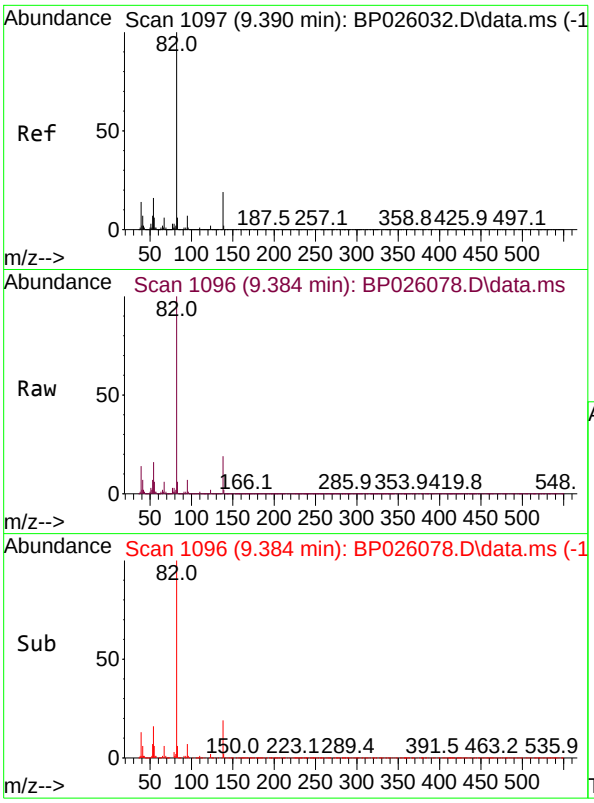


#24
Nitrobenzene
Concen: 44.571 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 77 Resp: 831145

Ion	Ratio	Lower	Upper
77	100		
123	50.5	39.0	58.4
65	13.7	10.9	16.3





#25
Isophorone
Concen: 44.205 ng
RT: 9.384 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 82 Resp: 167108

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.6
138	18.5	15.0	22.6

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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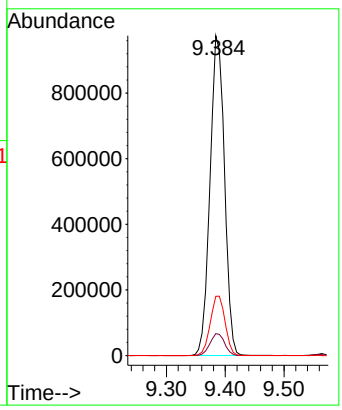
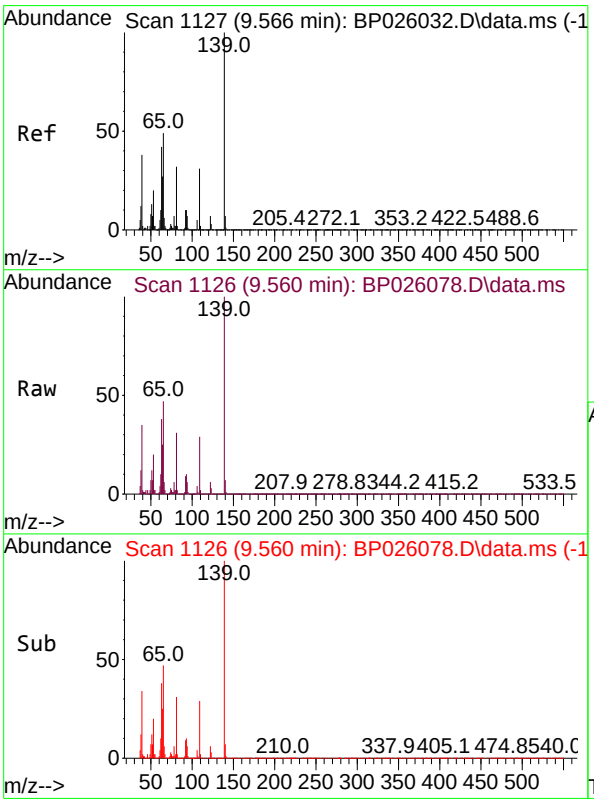
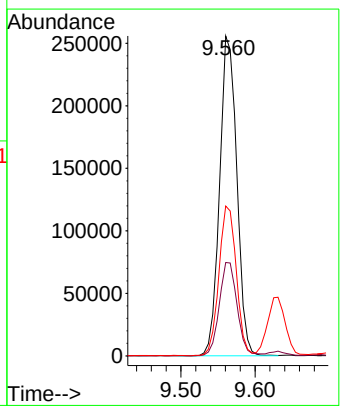


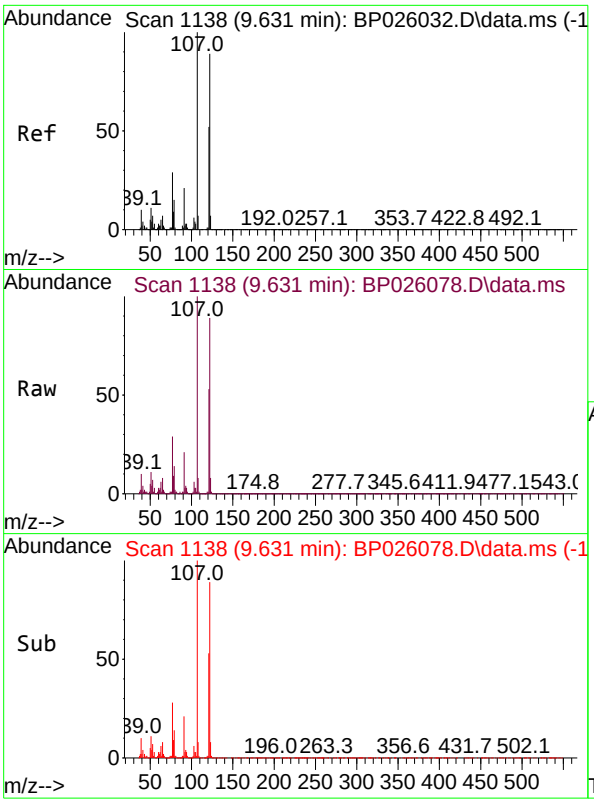


#26
2-Nitrophenol
Concen: 59.463 ng
RT: 9.560 min Scan# 1126
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:139 Resp: 412794

Ion	Ratio	Lower	Upper
139	100		
109	29.2	24.8	37.2
65	46.8	39.0	58.4





#27
2,4-Dimethylphenol
Concen: 52.041 ng
RT: 9.631 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:122 Resp: 82730

Ion	Ratio	Lower	Upper
122	100		
107	112.3	89.2	133.8
121	59.4	46.3	69.5

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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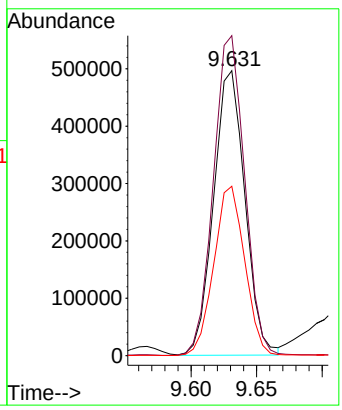
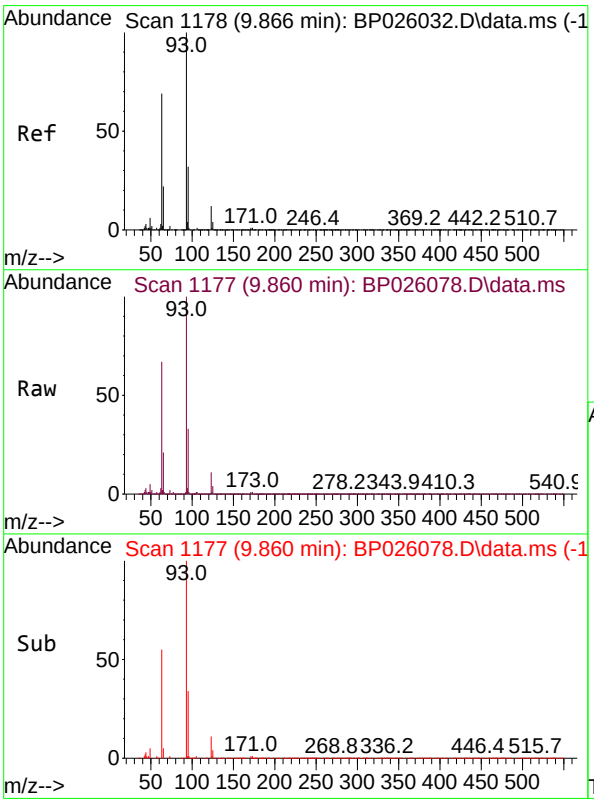
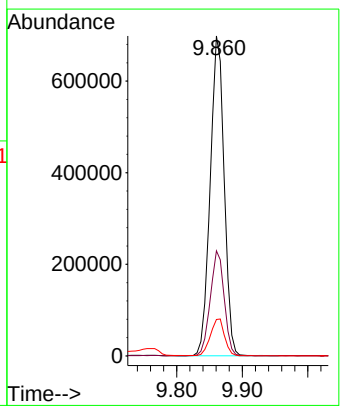


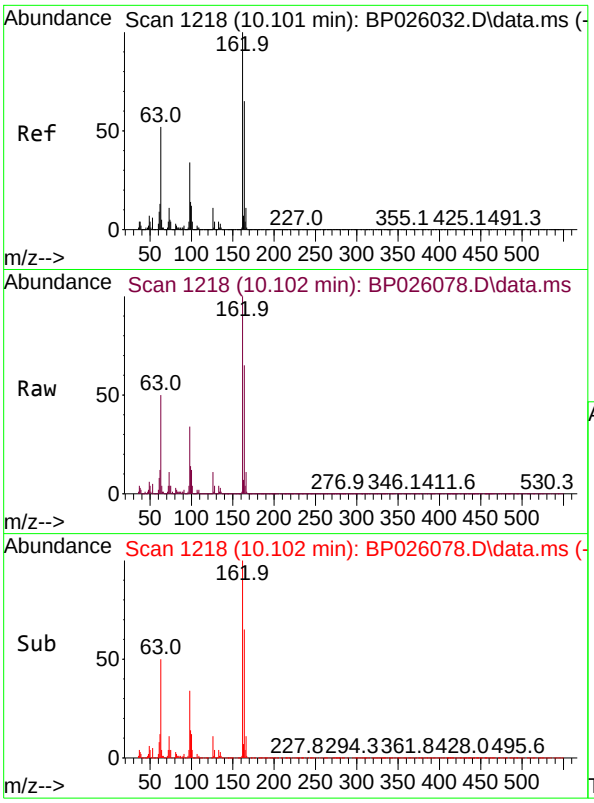


#28
bis(2-Chloroethoxy)methane
Concen: 43.449 ng
RT: 9.860 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 93 Resp: 1035151

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.6
123	11.4	9.3	13.9





#29
2,4-Dichlorophenol
Concen: 50.036 ng
RT: 10.102 min Scan# 1
Delta R.T. 0.007 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:162 Resp: 83986

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.6	84.6
98	33.9	14.0	54.0

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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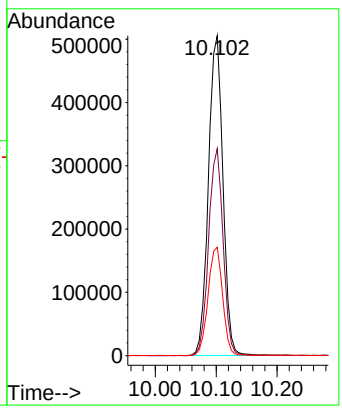
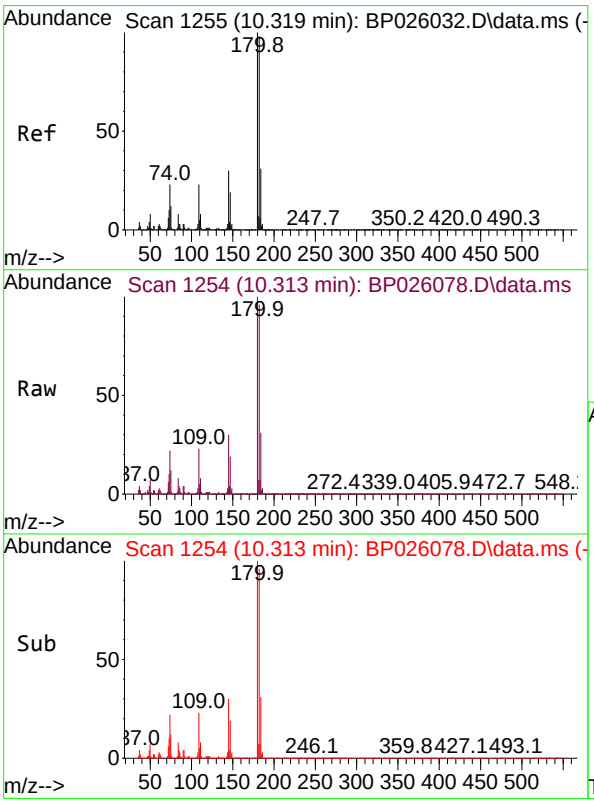
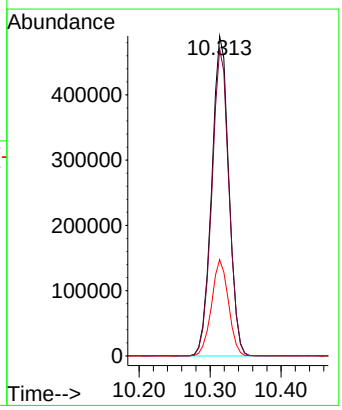


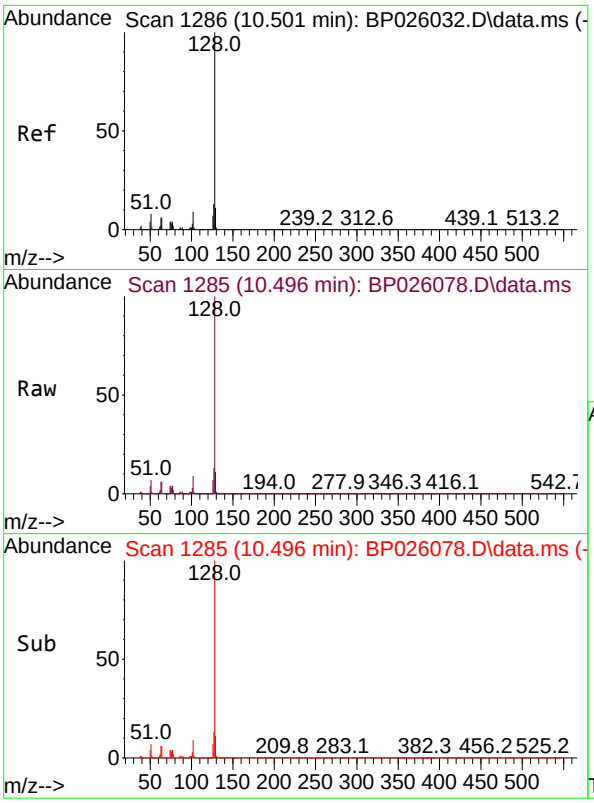


#30
1,2,4-Trichlorobenzene
Concen: 45.054 ng
RT: 10.313 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:180 Resp: 821961

Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.6	117.8
145	30.1	24.2	36.4





#31
Naphthalene
Concen: 41.941 ng
RT: 10.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:128 Resp: 2518184

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.1	10.5	15.7

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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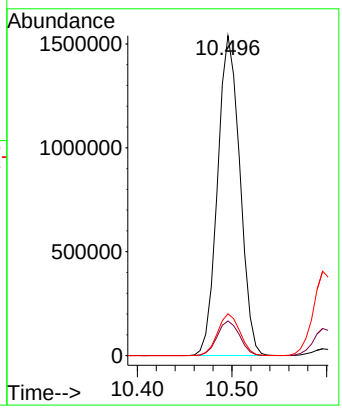
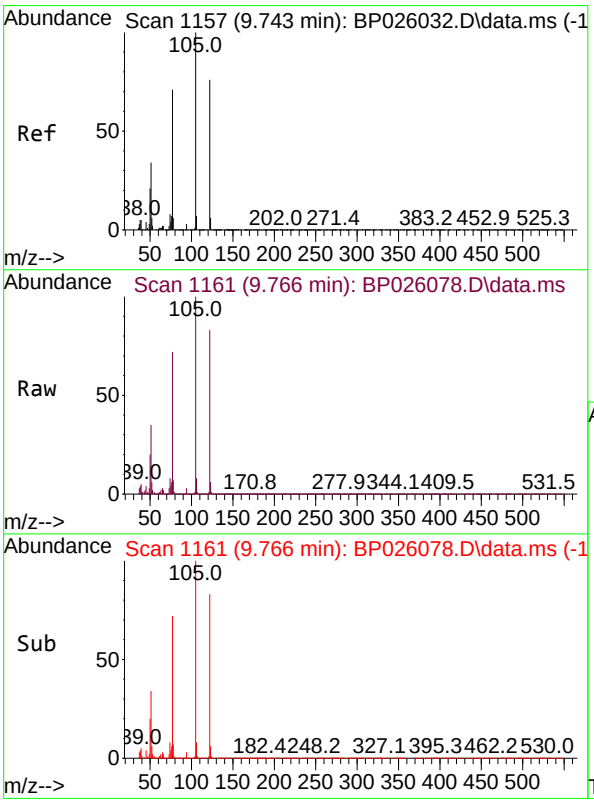
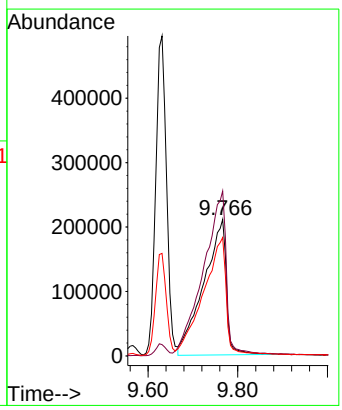


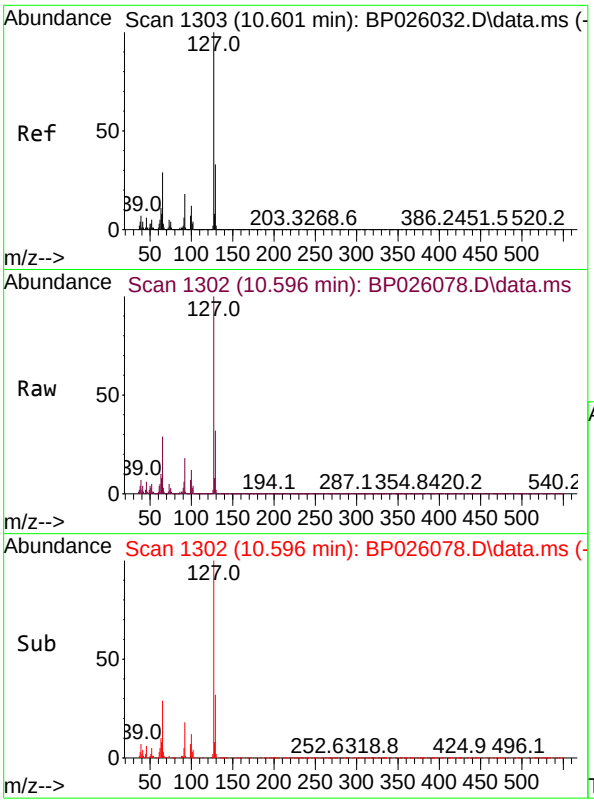


#32
Benzoic acid
Concen: 66.851 ng
RT: 9.766 min Scan# 1161
Delta R.T. -0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:122 Resp: 733850

Ion	Ratio	Lower	Upper
122	100		
105	120.8	104.8	144.8
77	86.7	70.9	110.9





#33
4-Chloroaniline
Concen: 29.812 ng
RT: 10.596 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:127 Resp: 687819

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	29.3	23.2	34.8
92	18.1	14.5	21.7

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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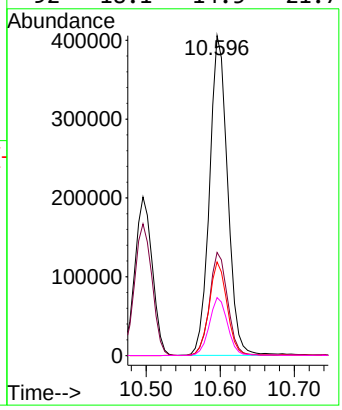
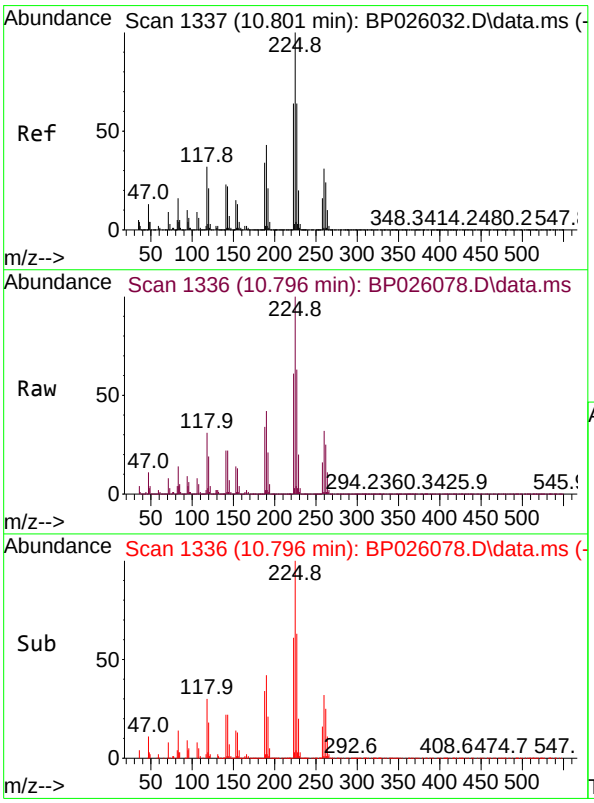
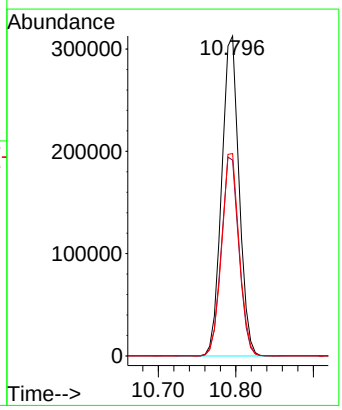


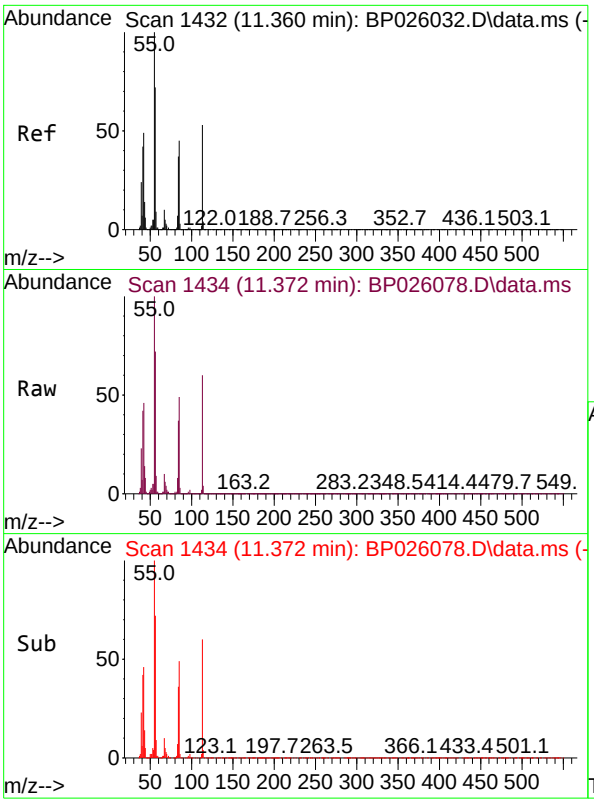


#34
Hexachlorobutadiene
Concen: 42.071 ng
RT: 10.796 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:225 Resp: 487756

Ion	Ratio	Lower	Upper
225	100		
223	61.2	50.9	76.3
227	63.2	51.0	76.4





#35
Caprolactam
Concen: 54.084 ng
RT: 11.372 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:113 Resp: 31879

Ion	Ratio	Lower	Upper
113	100		
55	167.3	169.9	209.9
56	120.8	116.7	156.7

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
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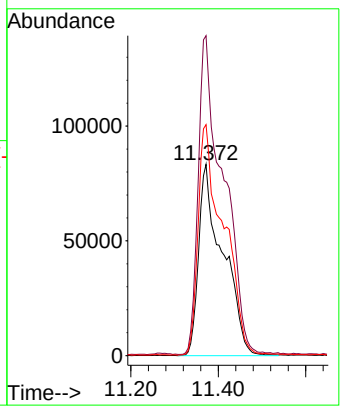
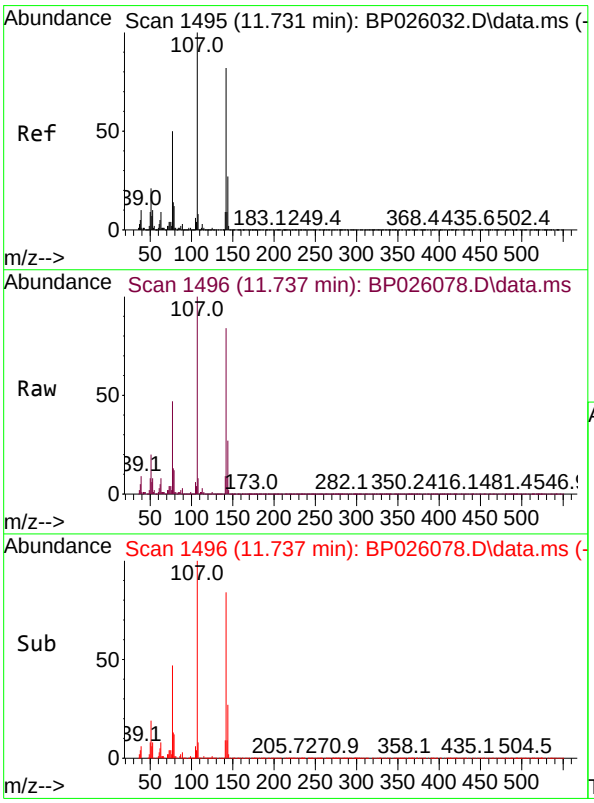
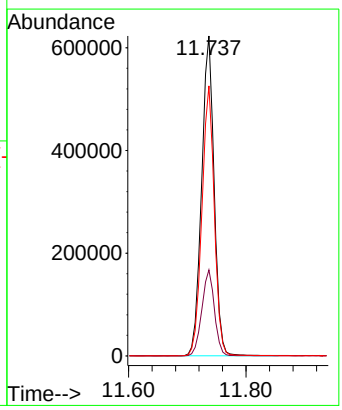


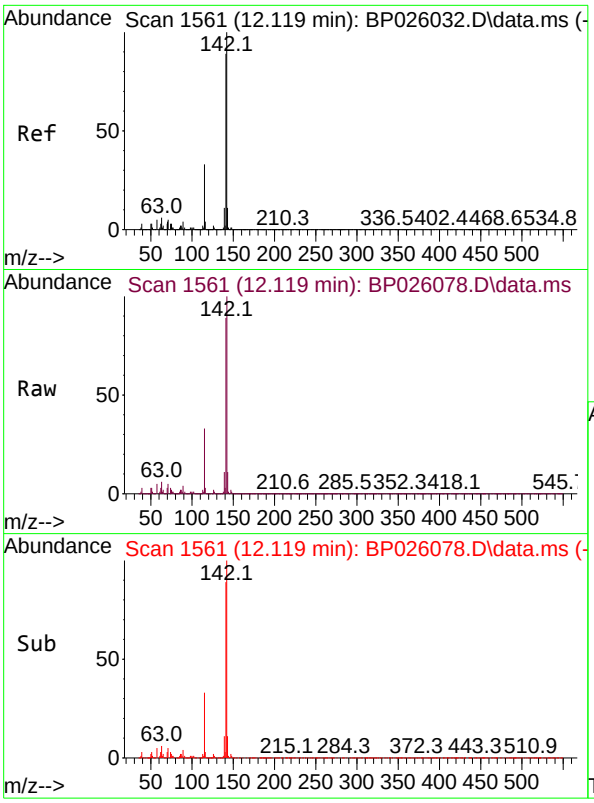


#36
4-Chloro-3-methylphenol
Concen: 52.361 ng
RT: 11.737 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:107 Resp: 921338

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.3	31.9
142	84.4	65.2	97.8





#37
2-Methylnaphthalene
Concen: 39.559 ng
RT: 12.119 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:142 Resp: 166238

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.6	107.4
115	33.0	26.6	39.8

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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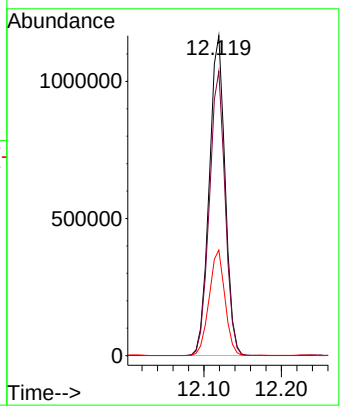
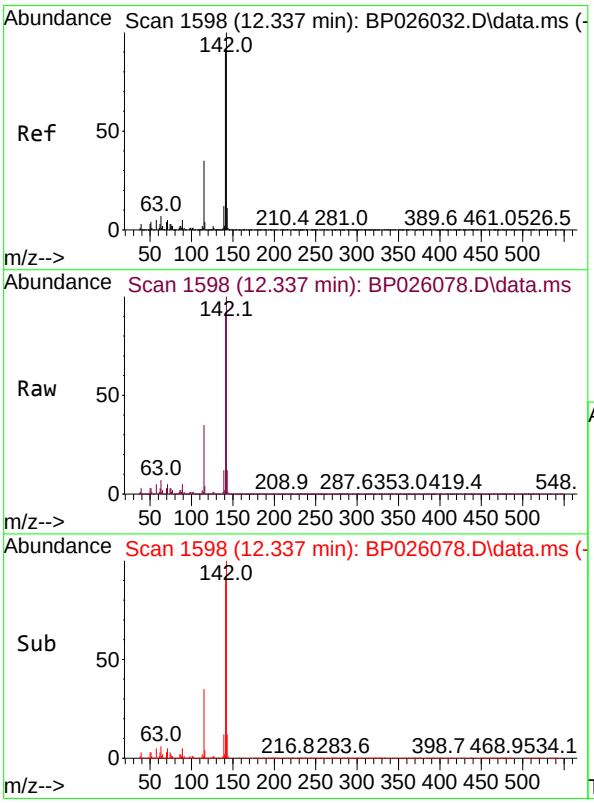
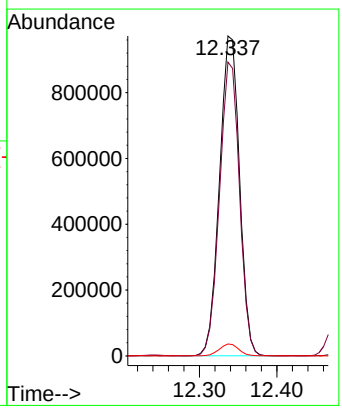


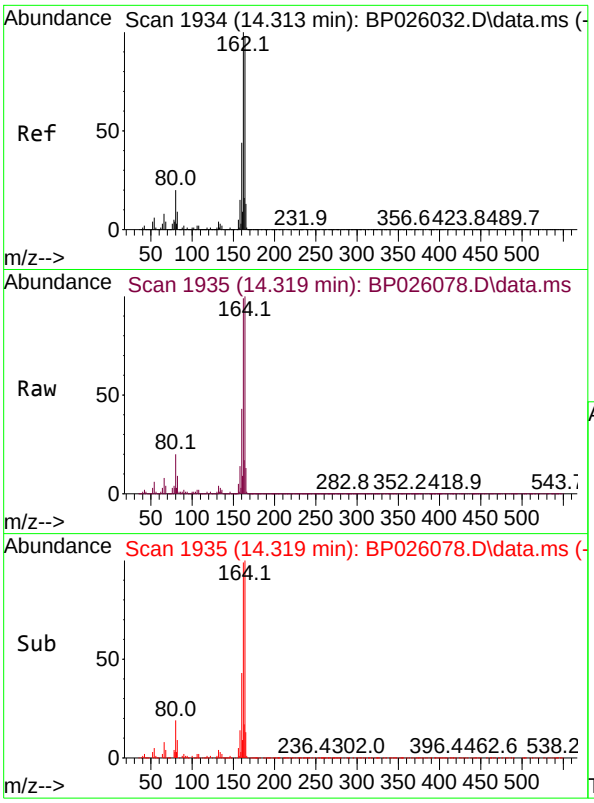


#38
1-Methylnaphthalene
Concen: 42.749 ng
RT: 12.337 min Scan# 1598
Delta R.T. 0.001 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:142 Resp: 1745234

Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.7	109.1
116	3.7	2.9	4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:164 Resp: 743151

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.5	122.3
160	43.4	36.2	54.4

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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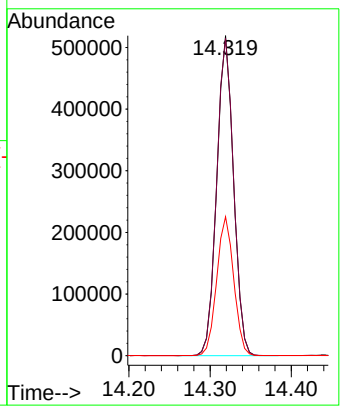
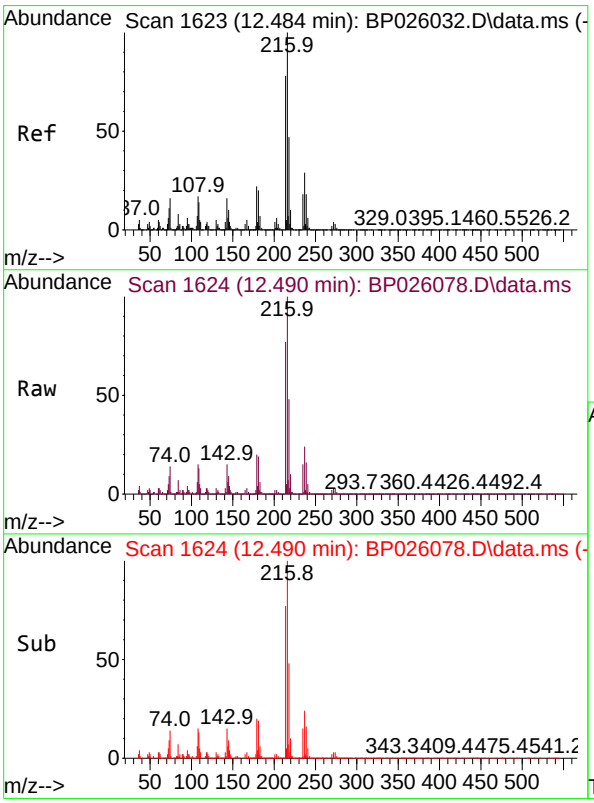
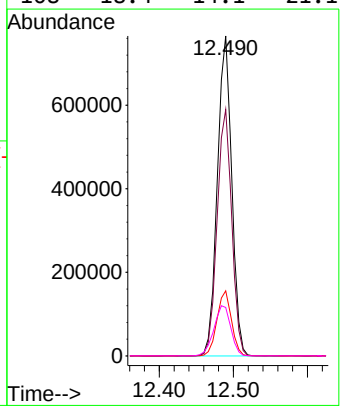


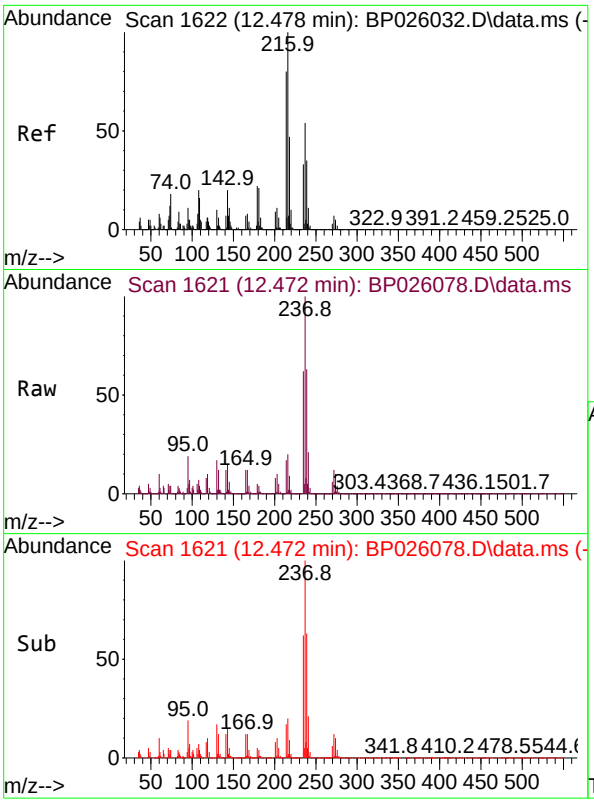


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.654 ng
RT: 12.490 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:216 Resp: 1031085

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.9	94.3
179	20.5	16.9	25.3
108	18.4	14.1	21.1





#41
Hexachlorocyclopentadiene
Concen: 122.960 ng
RT: 12.472 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:237 Resp: 1038818

Ion	Ratio	Lower	Upper
237	100		
235	62.4	40.4	80.4
272	12.3	0.0	32.2

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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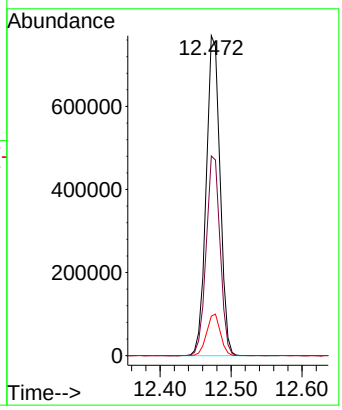
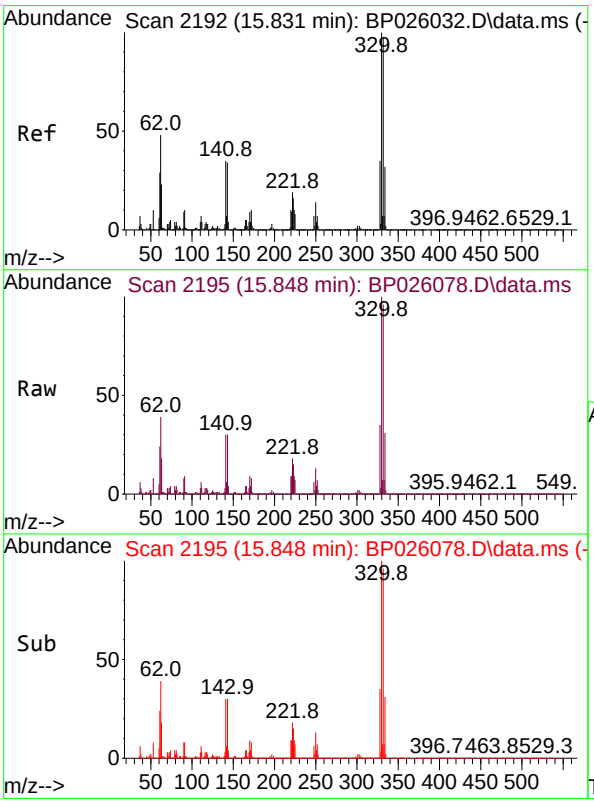
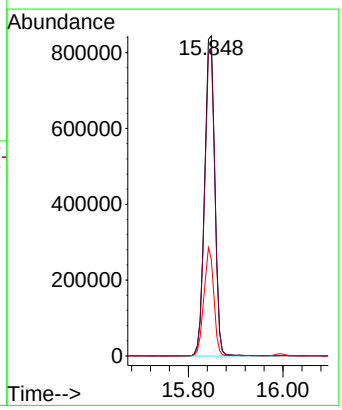


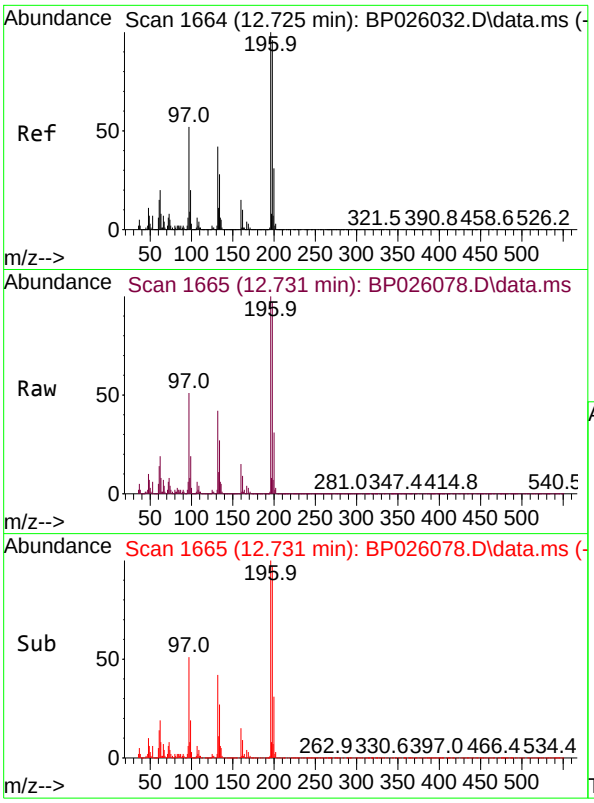


#42
2,4,6-Tribromophenol
Concen: 156.827 ng
RT: 15.848 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:330 Resp: 1259976

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	32.9	28.6	42.8





#43
2,4,6-Trichlorophenol
Concen: 51.412 ng
RT: 12.731 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:196 Resp: 70169

Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.5	114.7
200	30.9	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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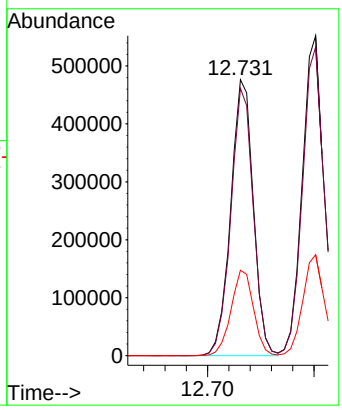
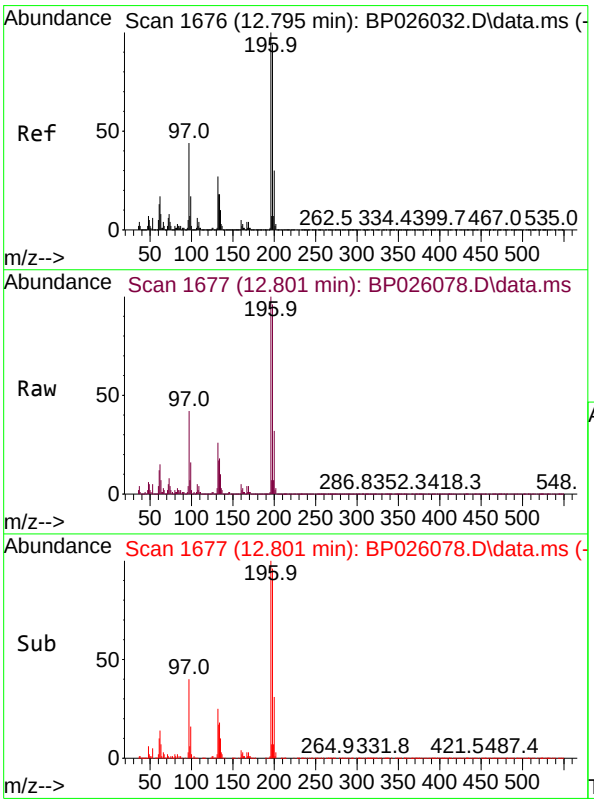
Supervised By :Jagrut Upadhyay 11/10/2025

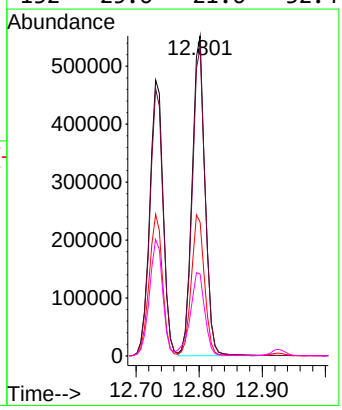


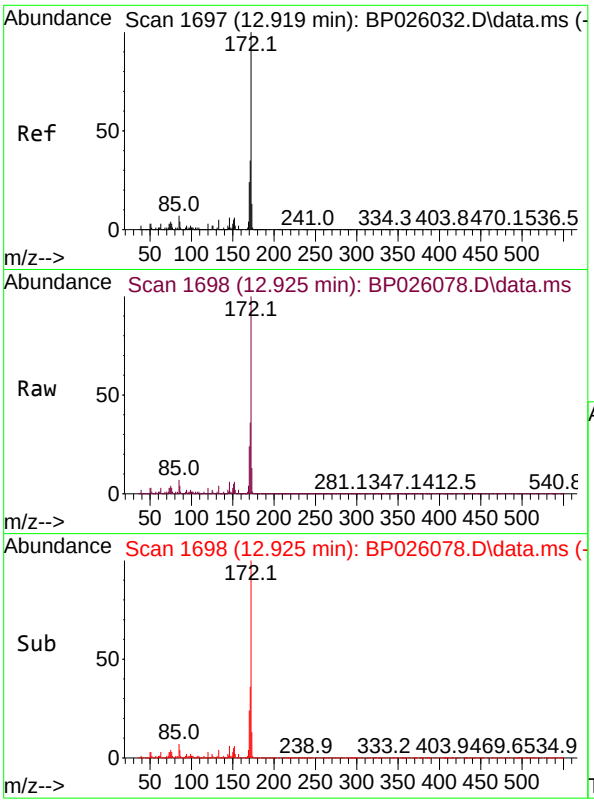


#44
2,4,5-Trichlorophenol
Concen: 50.353 ng
RT: 12.801 min Scan# 1677
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:196 Resp: 784179

Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.1	112.7
97	41.8	35.5	53.3
132	25.6	21.6	32.4





#45
2-Fluorobiphenyl
Concen: 77.132 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:172 Resp: 398914

Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.9	41.9
170	23.6	19.0	28.4

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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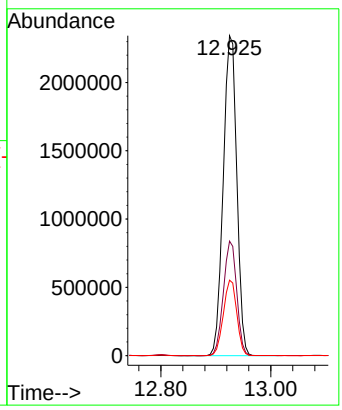
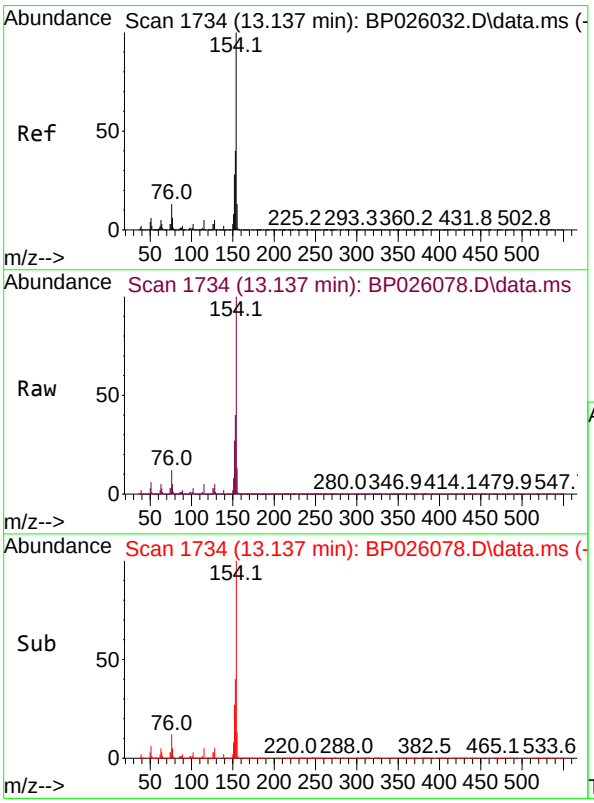
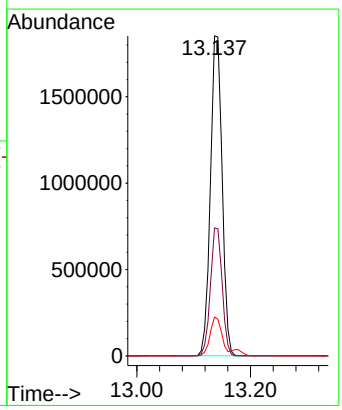


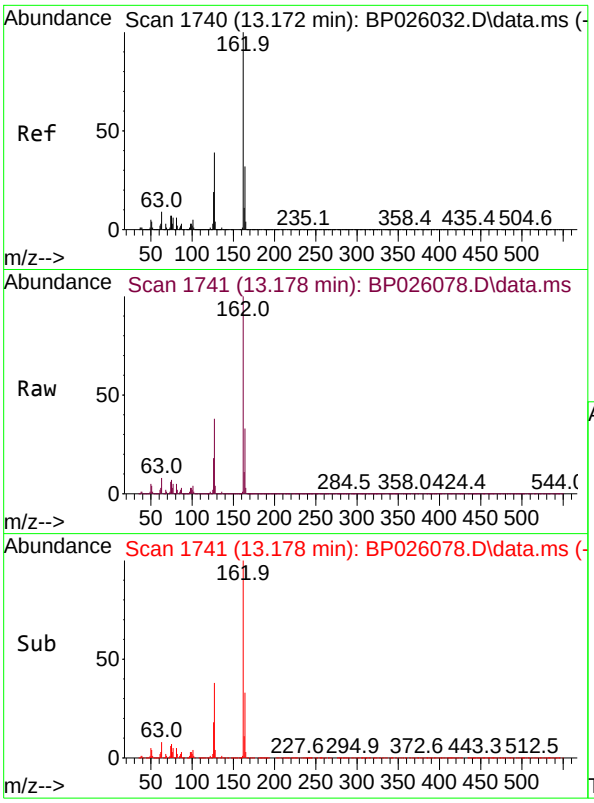


#46
1,1'-Biphenyl
Concen: 46.767 ng
RT: 13.137 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:154 Resp: 2661227

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.2	60.2
76	12.1	0.0	32.8





#47
2-Chloronaphthalene
Concen: 41.299 ng
RT: 13.178 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:162 Resp: 184903

Ion	Ratio	Lower	Upper
162	100		
127	37.6	31.4	47.2
164	33.2	25.9	38.9

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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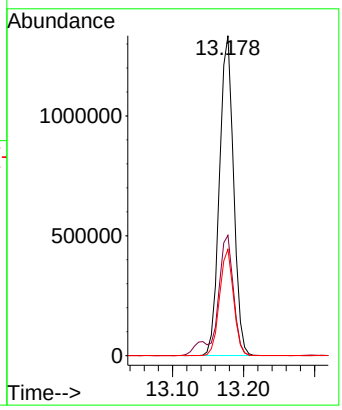
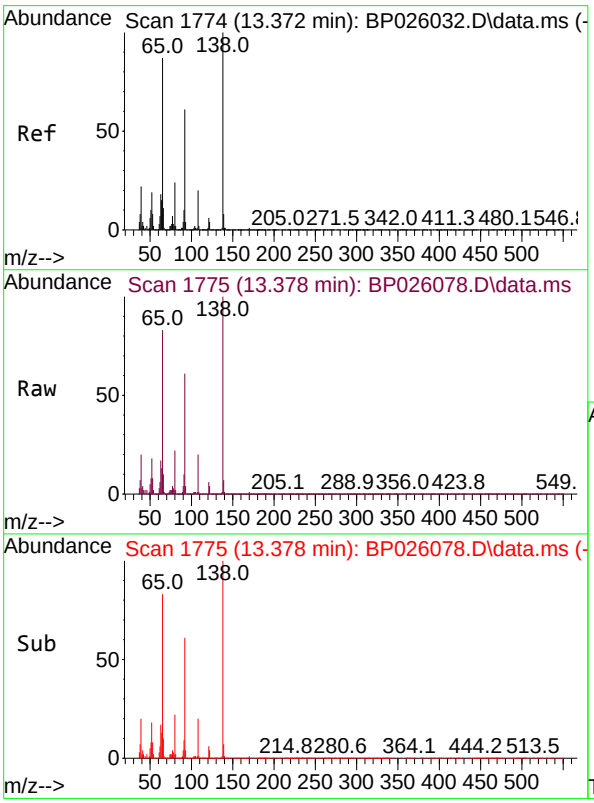
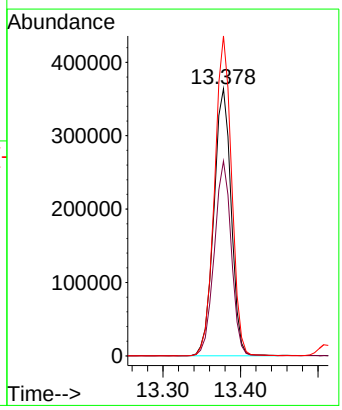


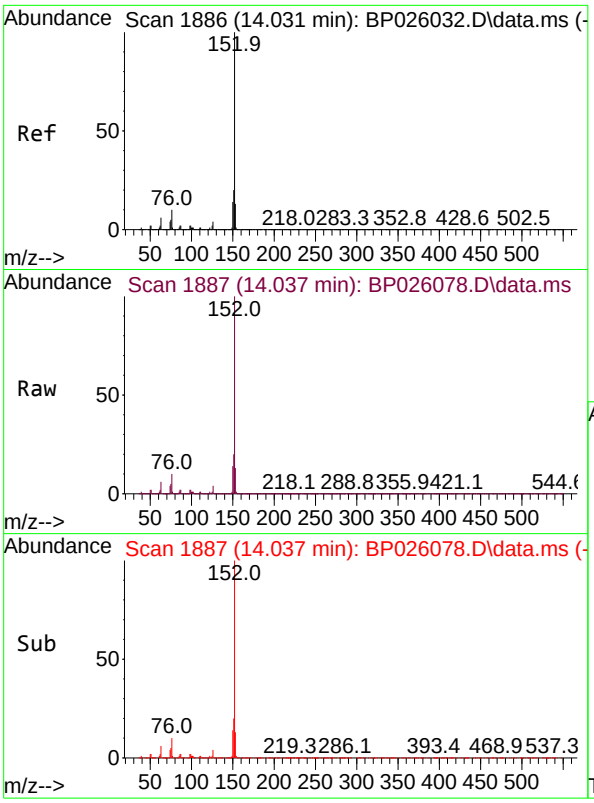


#48
2-Nitroaniline
Concen: 48.980 ng
RT: 13.378 min Scan# 1775
Delta R.T. -0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 65 Resp: 565071

Ion	Ratio	Lower	Upper
65	100		
92	72.9	55.5	83.3
138	119.8	91.7	137.5





#49
Acenaphthylene
Concen: 49.996 ng
RT: 14.037 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:152 Resp: 326248

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	13.4	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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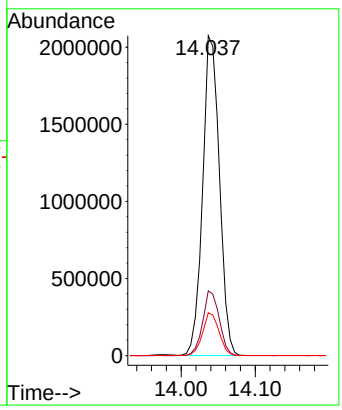
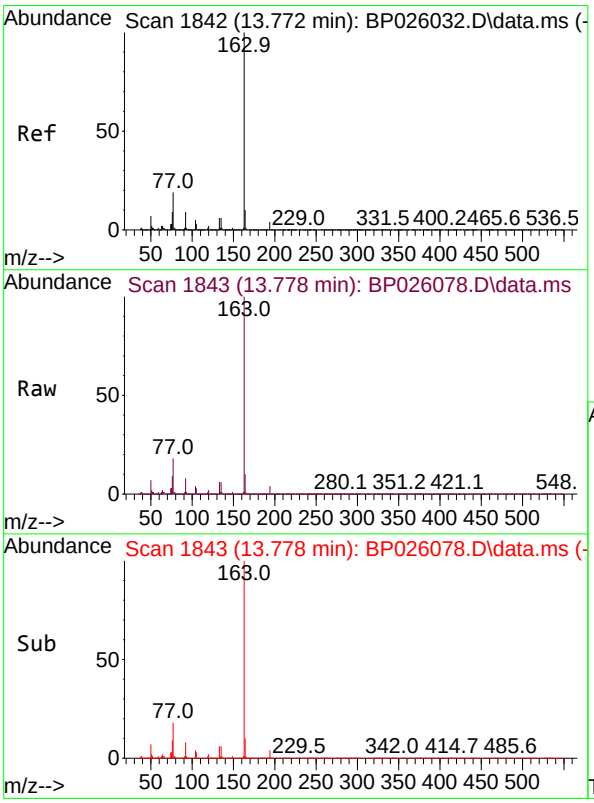
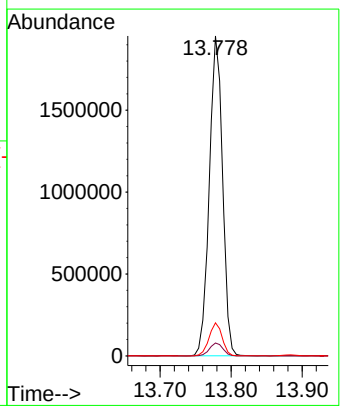


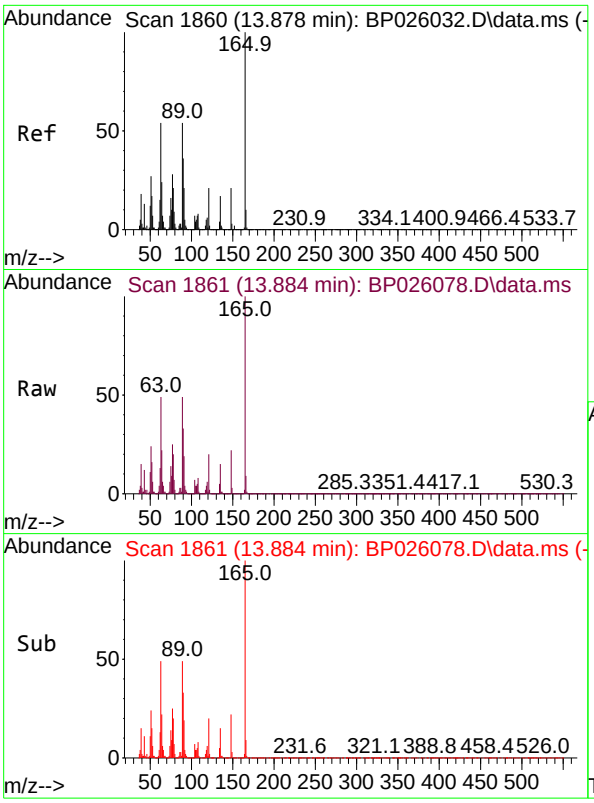


#50
Dimethylphthalate
Concen: 46.858 ng
RT: 13.778 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:163 Resp: 2532955

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.3	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 53.171 ng
RT: 13.884 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:165 Resp: 54011

Ion	Ratio	Lower	Upper
165	100		
63	49.4	43.0	64.4
89	49.5	43.0	64.4

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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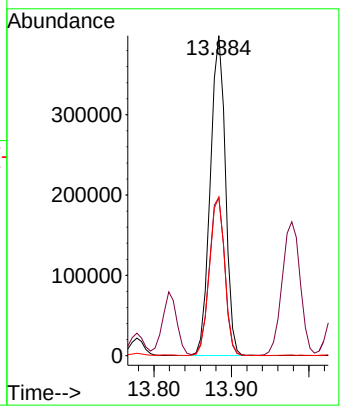
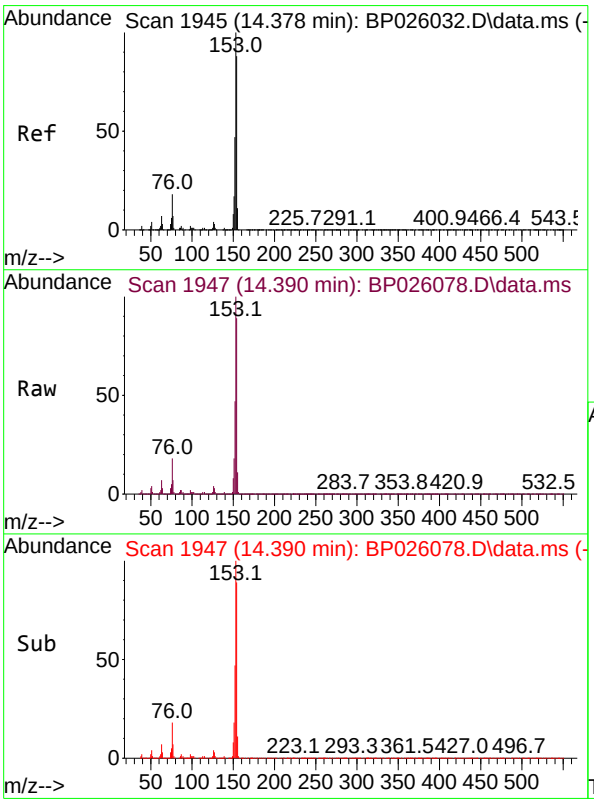
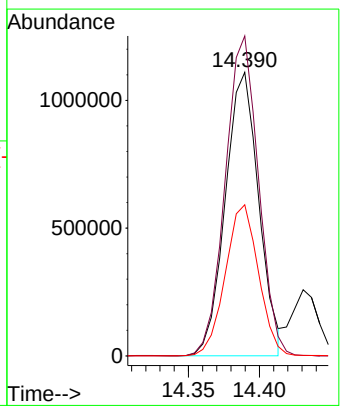


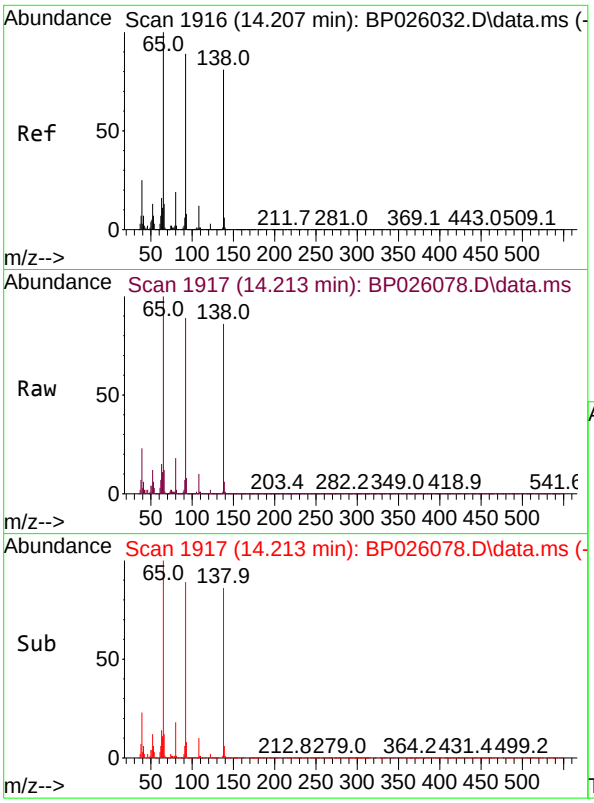


#52
Acenaphthene
Concen: 40.545 ng
RT: 14.390 min Scan# 1947
Delta R.T. 0.007 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:154 Resp: 1816312

Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.0	136.4
152	53.3	42.7	64.1





#53
3-Nitroaniline
Concen: 38.212 ng
RT: 14.213 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:138 Resp: 458416

Ion	Ratio	Lower	Upper
138	100		
108	11.4	11.4	17.0
92	103.3	87.1	130.7

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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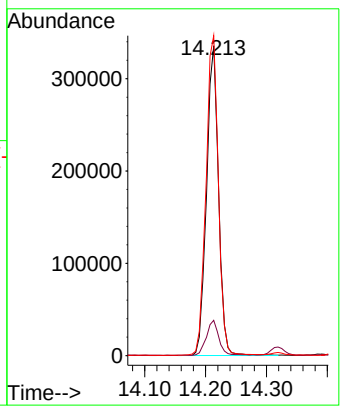
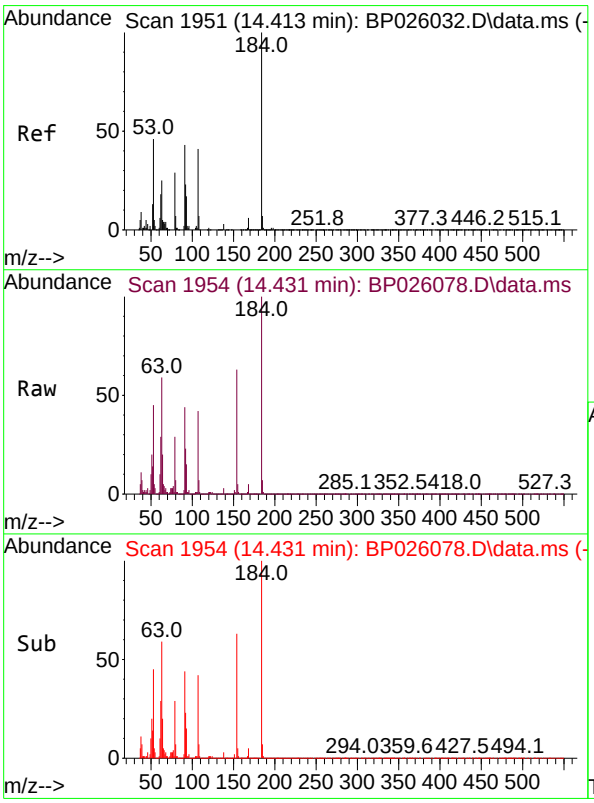
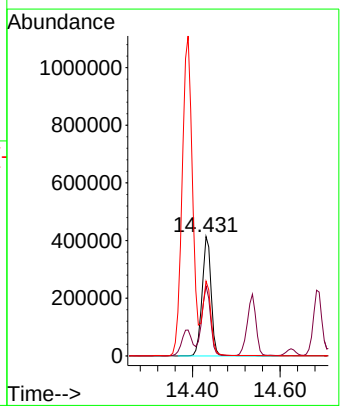


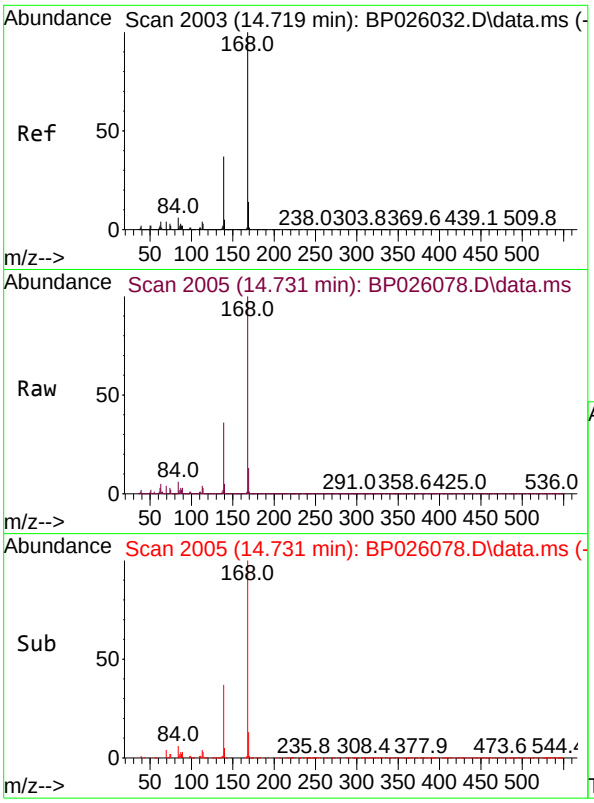


#54
2,4-Dinitrophenol
Concen: 107.212 ng
RT: 14.431 min Scan# 1954
Delta R.T. 0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:184 Resp: 585957

Ion	Ratio	Lower	Upper
184	100		
63	58.6	49.0	73.4
154	62.6	51.0	76.6





#55
Dibenzofuran
Concen: 43.876 ng
RT: 14.731 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:168 Resp: 296965

Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.7	44.5
169	13.3	11.0	16.4

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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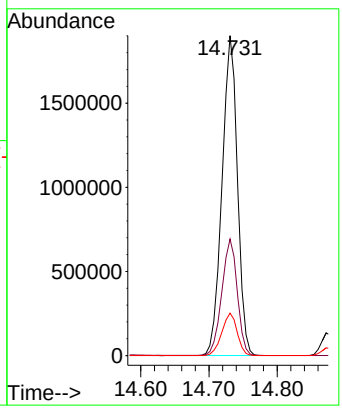
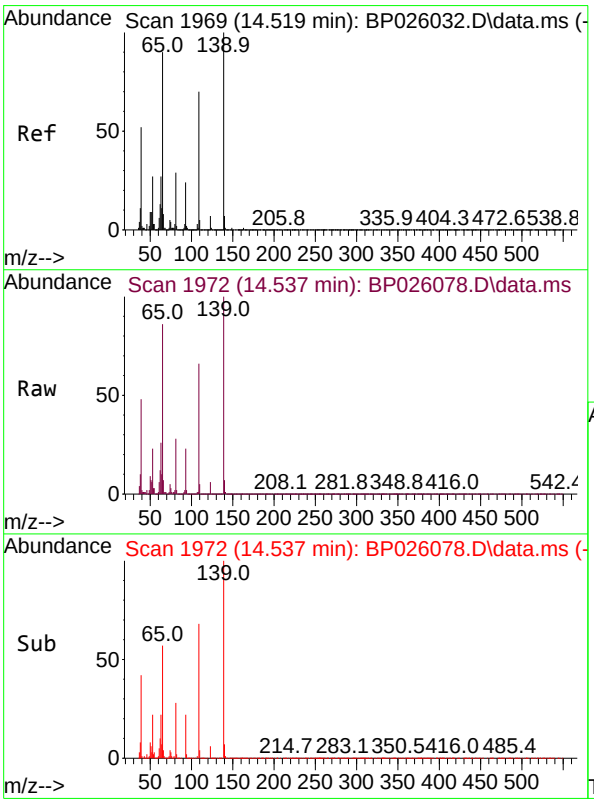
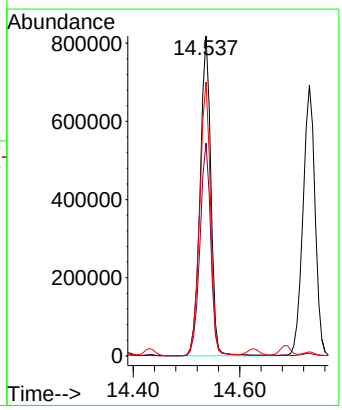


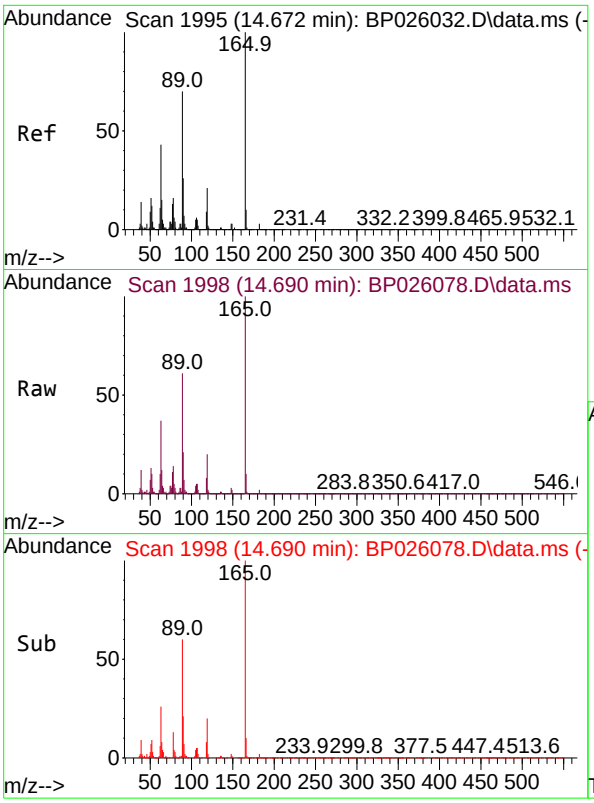


#56
4-Nitrophenol
Concen: 106.358 ng
RT: 14.537 min Scan# 1972
Delta R.T. 0.018 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:139 Resp: 1146432

Ion	Ratio	Lower	Upper
139	100		
109	66.5	50.0	90.0
65	85.6	69.6	109.6

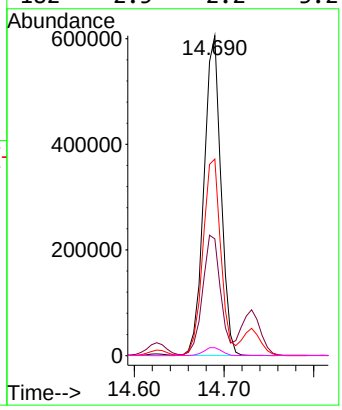




#57
2,4-Dinitrotoluene
Concen: 53.238 ng
RT: 14.690 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:165 Resp: 79470

Ion	Ratio	Lower	Upper
165	100		
63	36.5	34.2	51.2
89	61.4	56.0	84.0
182	2.5	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
PB170424BS

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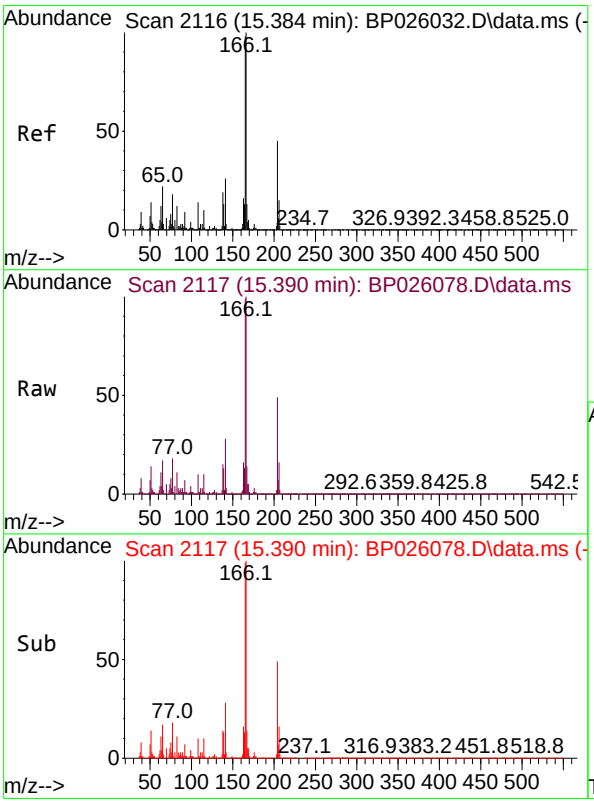
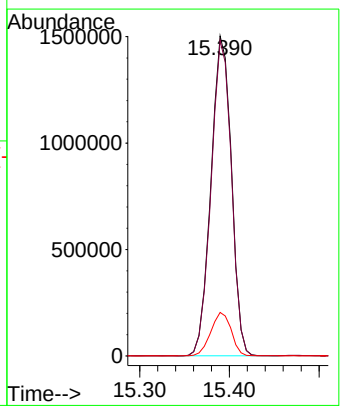
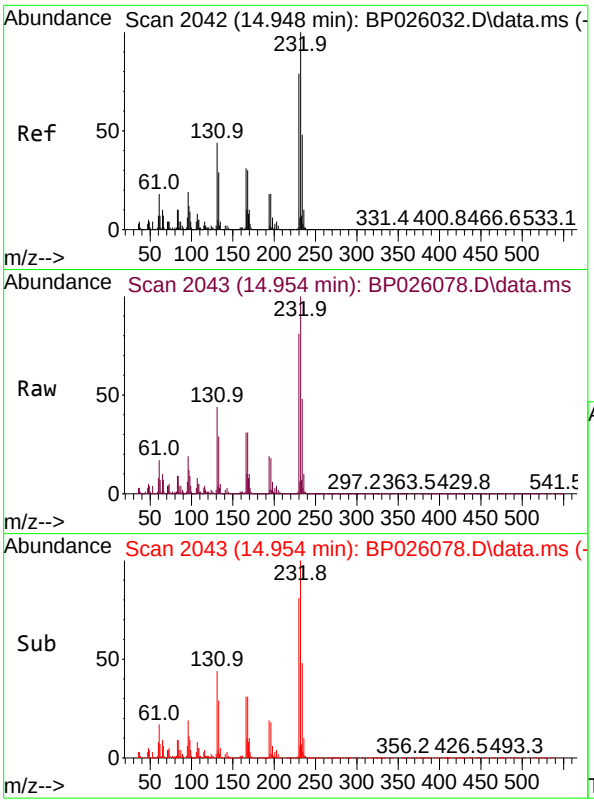


#58
Fluorene
Concen: 45.133 ng
RT: 15.390 min Scan# 2117
Delta R.T. 0.007 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:166 Resp: 2393222

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.1	117.1
167	13.6	10.6	16.0

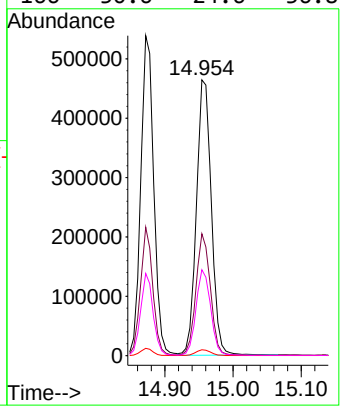




#59
2,3,4,6-Tetrachlorophenol
Concen: 57.794 ng
RT: 14.954 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:232 Resp: 7076

Ion	Ratio	Lower	Upper
232	100		
131	42.9	35.2	52.8
130	2.1	1.7	2.5
166	30.6	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
PB170424BS

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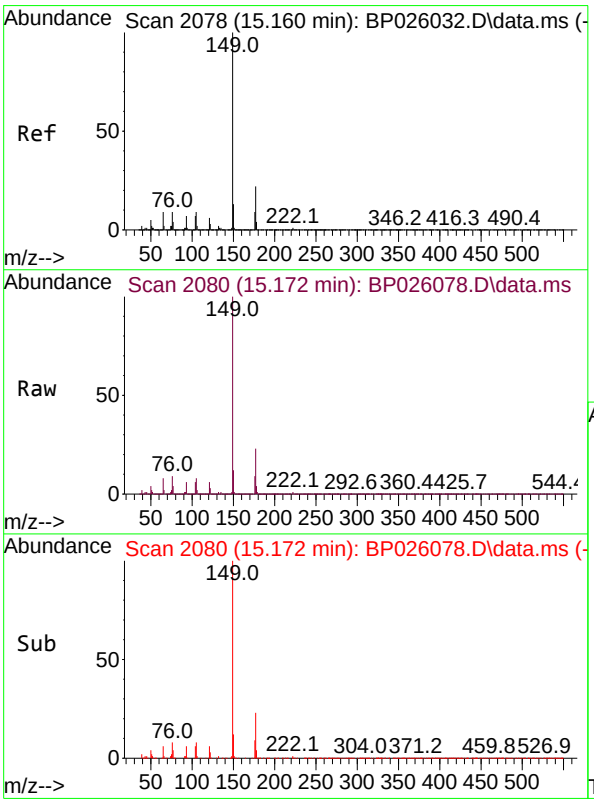
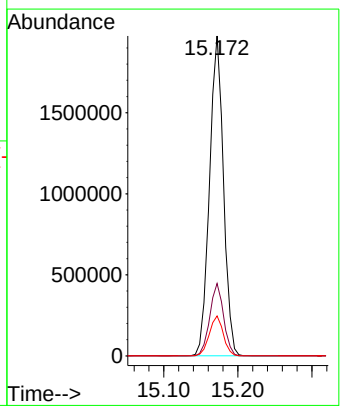
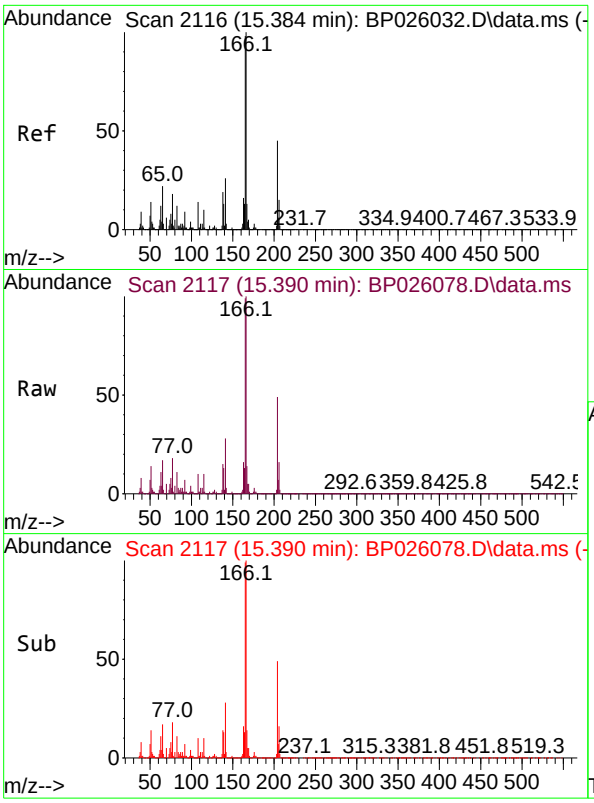


#60
Diethylphthalate
Concen: 47.689 ng
RT: 15.172 min Scan# 2080
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:149 Resp: 2591597

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.9	26.9
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 44.245 ng
RT: 15.390 min Scan# 2
Delta R.T. 0.001 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Tgt Ion:204 Resp: 117160

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.2	39.2
141	57.6	47.0	70.4

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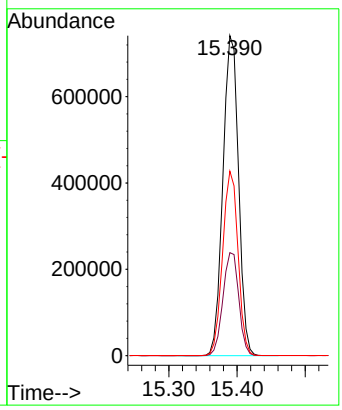
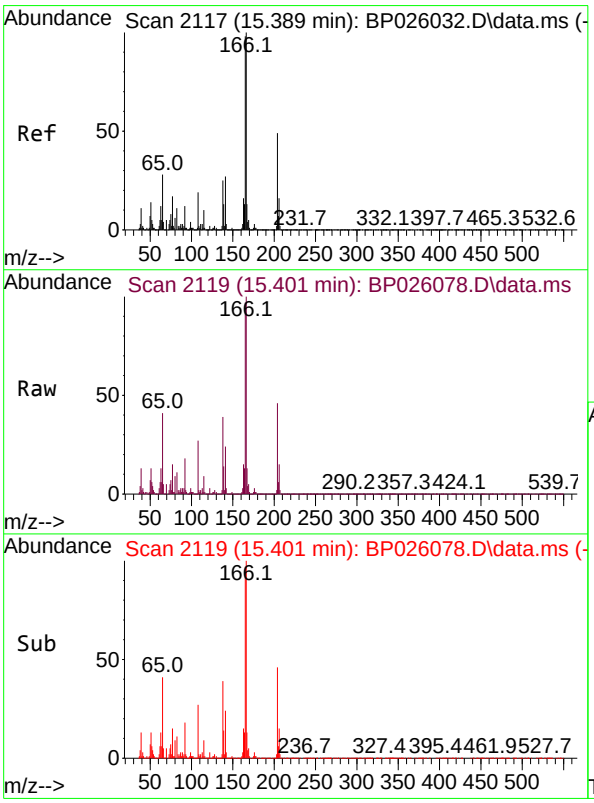
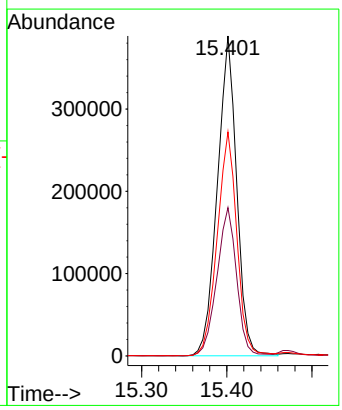


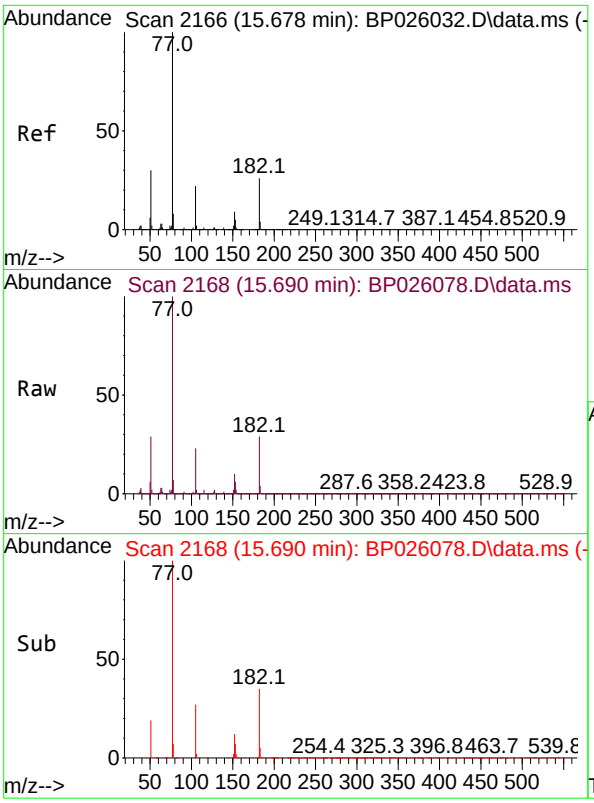


#62
4-Nitroaniline
Concen: 53.110 ng
RT: 15.401 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:138 Resp: 613474

Ion	Ratio	Lower	Upper
138	100		
92	46.3	28.2	68.2
108	70.0	56.0	96.0





#63
Azobenzene
Concen: 45.155 ng
RT: 15.690 min Scan# 2
Delta R.T. 0.001 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 77 Resp: 222393

Ion	Ratio	Lower	Upper
77	100		
182	29.0	6.4	46.4
105	22.7	2.2	42.2
51	29.2	10.3	50.3

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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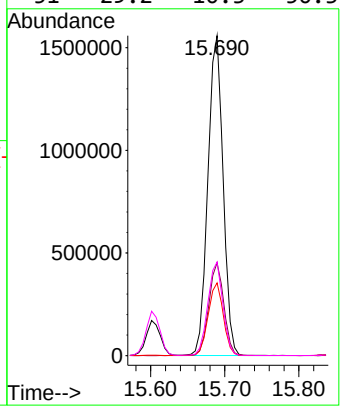
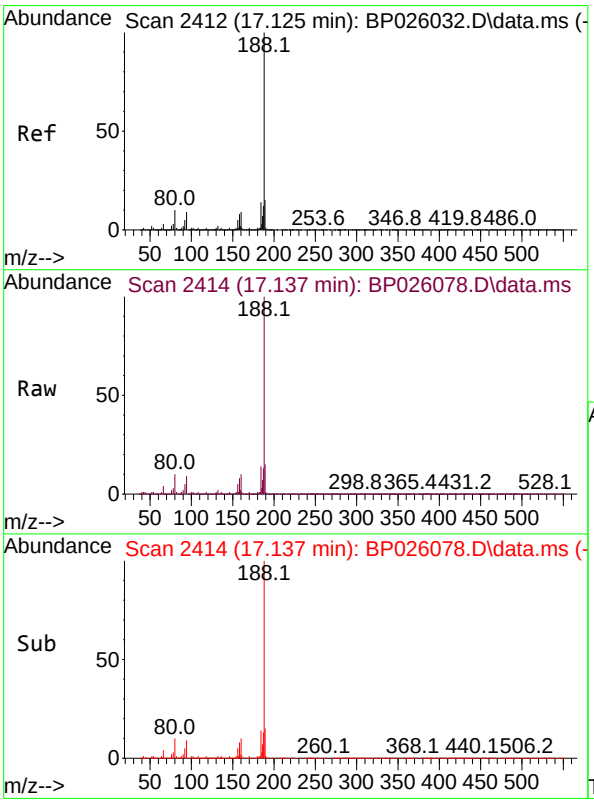
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

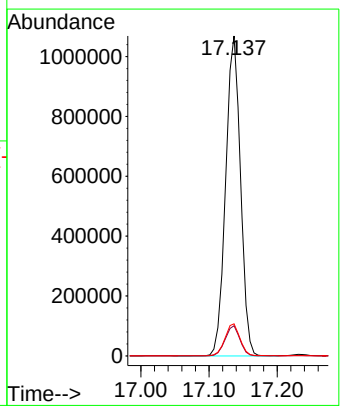


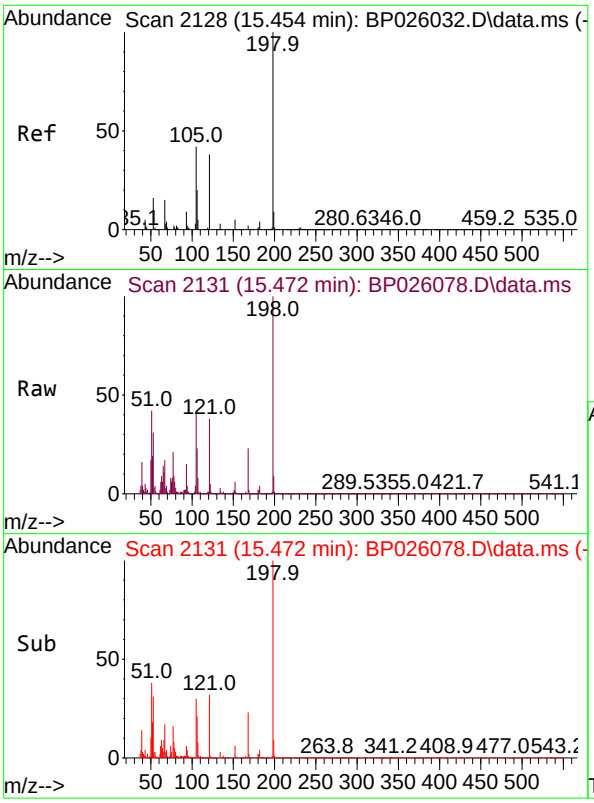


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.137 min Scan# 2414
Delta R.T. 0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:188 Resp: 1605700

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.1	10.7
80	10.0	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 57.808 ng
RT: 15.472 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:198 Resp: 39964

Ion	Ratio	Lower	Upper
198	100		
51	41.5	25.2	65.2
105	40.6	23.7	63.7

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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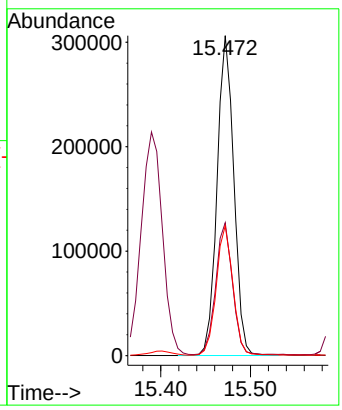
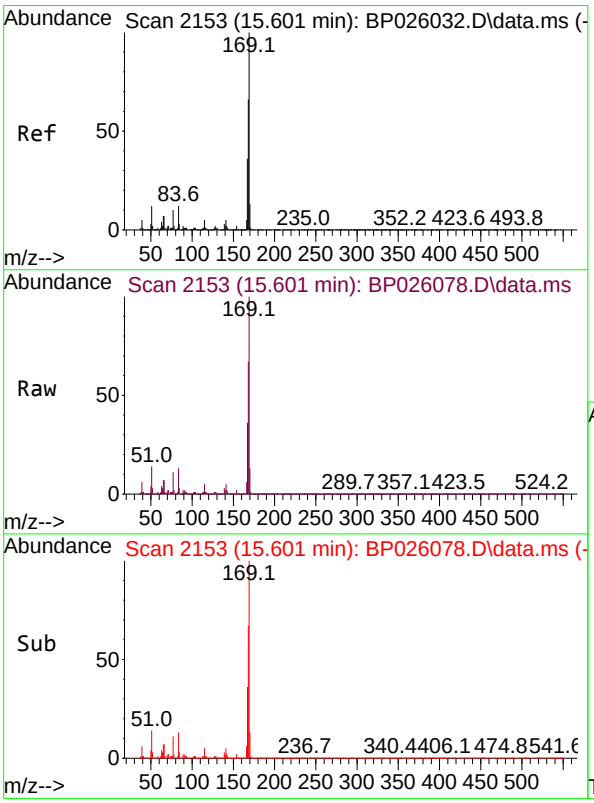
Supervised By :Jagrut Upadhyay 11/10/2025

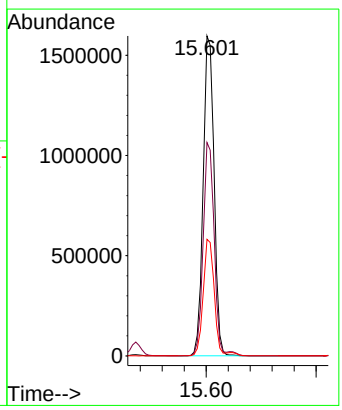


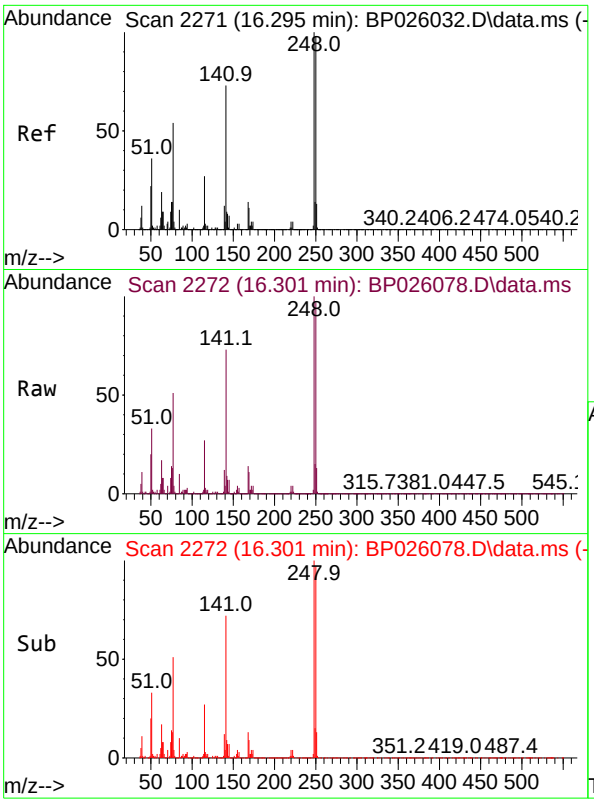


#66
n-Nitrosodiphenylamine
Concen: 43.706 ng
RT: 15.601 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:169 Resp: 2194244

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.9	79.3
167	36.4	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 43.345 ng
RT: 16.301 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:248 Resp: 77203

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.4	117.6
141	72.6	58.3	87.5

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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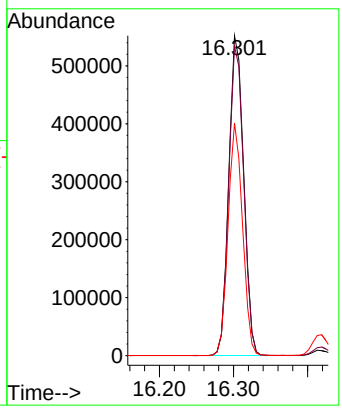
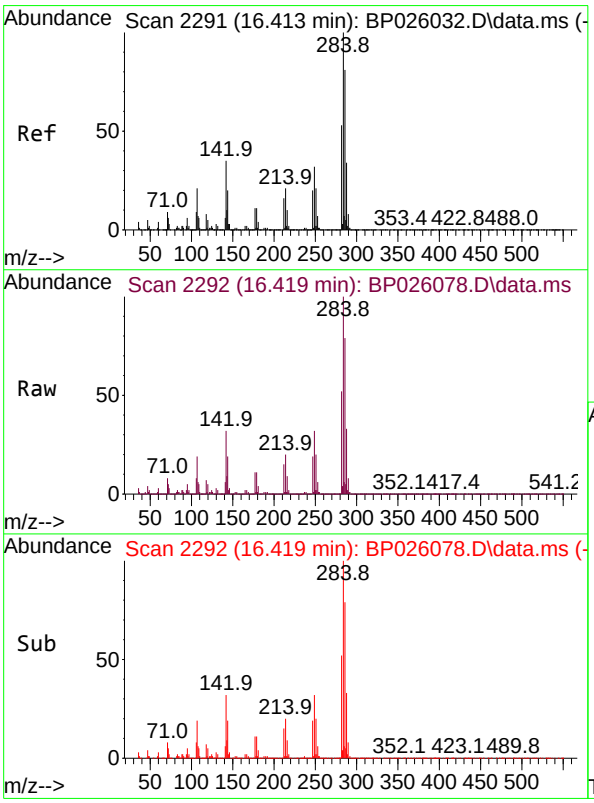
Supervised By :Jagrut Upadhyay 11/10/2025

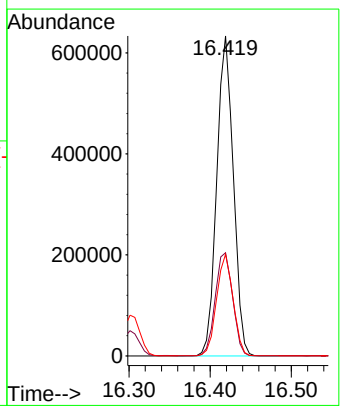


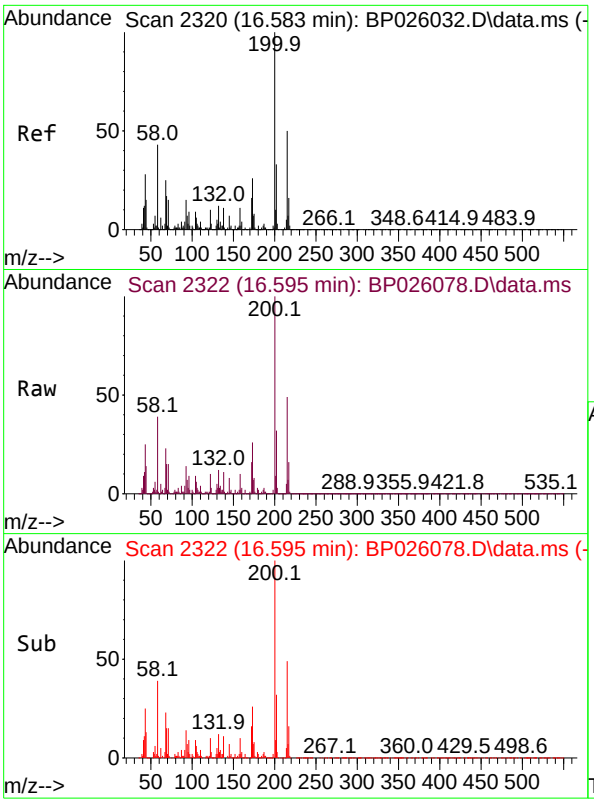


#68
Hexachlorobenzene
Concen: 44.254 ng
RT: 16.419 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:284 Resp: 897305

Ion	Ratio	Lower	Upper
284	100		
142	32.2	27.7	41.5
249	31.8	25.5	38.3





#69
Atrazine
Concen: 50.836 ng
RT: 16.595 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:200 Resp: 86096

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.2	46.2
215	48.9	29.8	69.8

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
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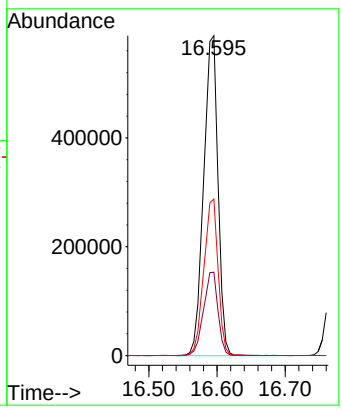
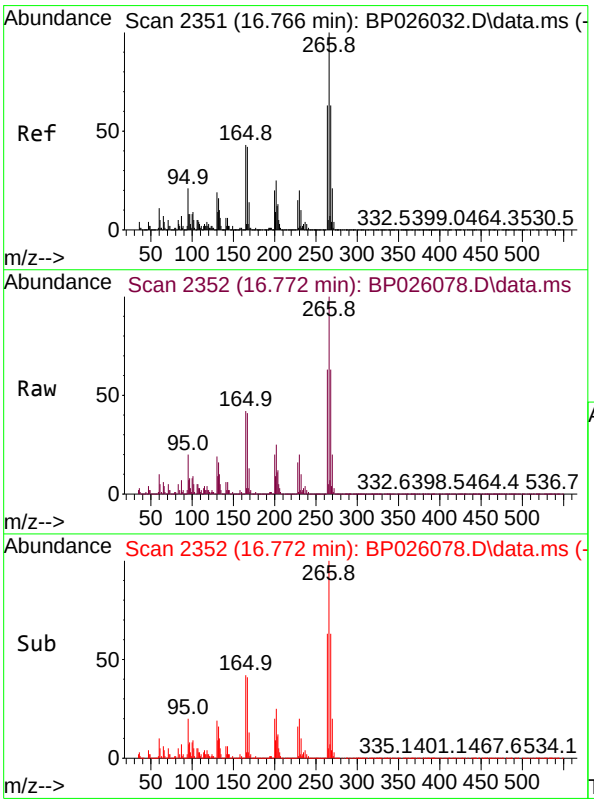
Supervised By :Jagrut Upadhyay 11/10/2025

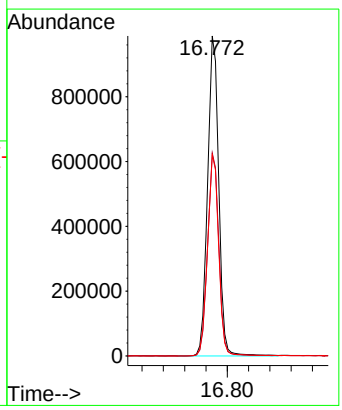


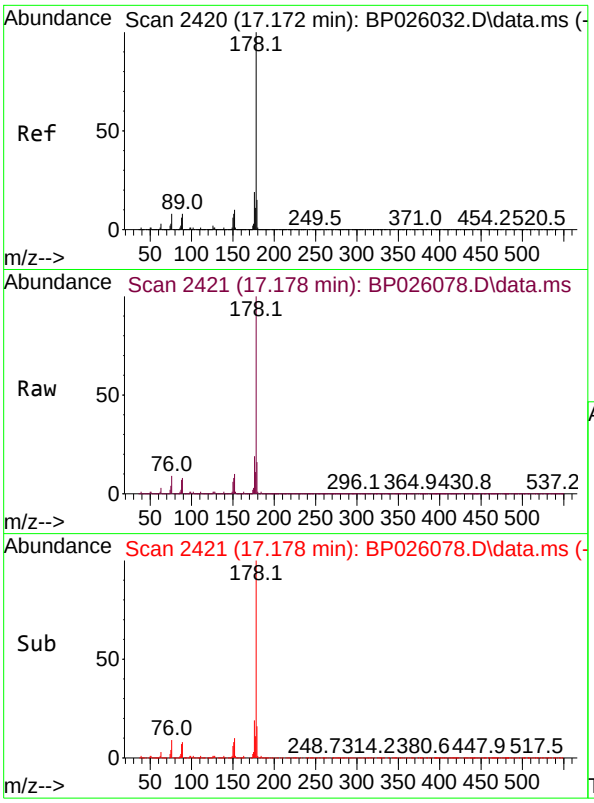


#70
Pentachlorophenol
Concen: 115.866 ng
RT: 16.772 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:266 Resp: 1435012

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.6	76.0
264	62.9	50.2	75.4





#71
Phenanthrene
Concen: 43.147 ng
RT: 17.178 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:178 Resp: 403254

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.3	18.5

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
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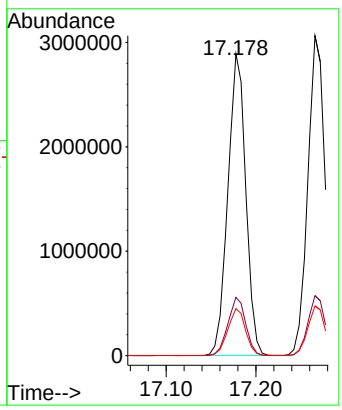
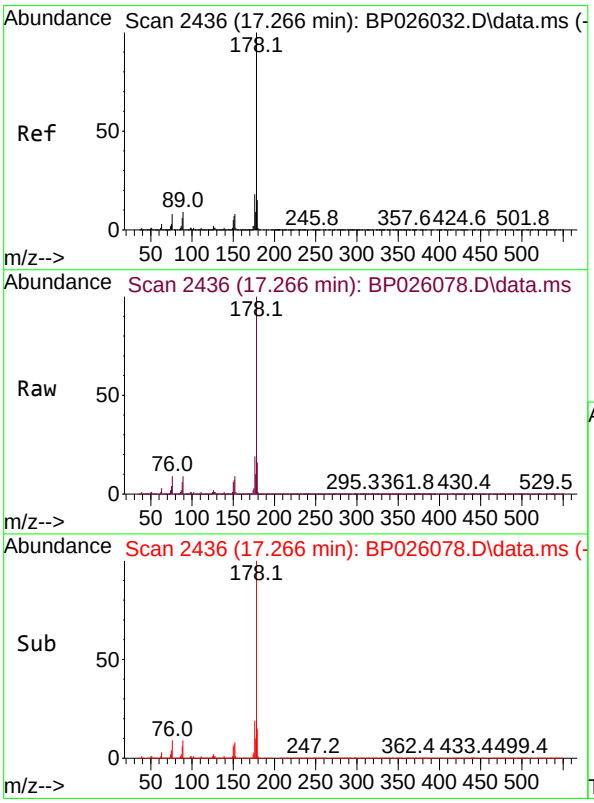
Supervised By :Jagrut Upadhyay 11/10/2025

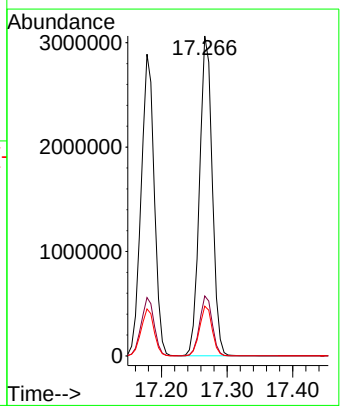


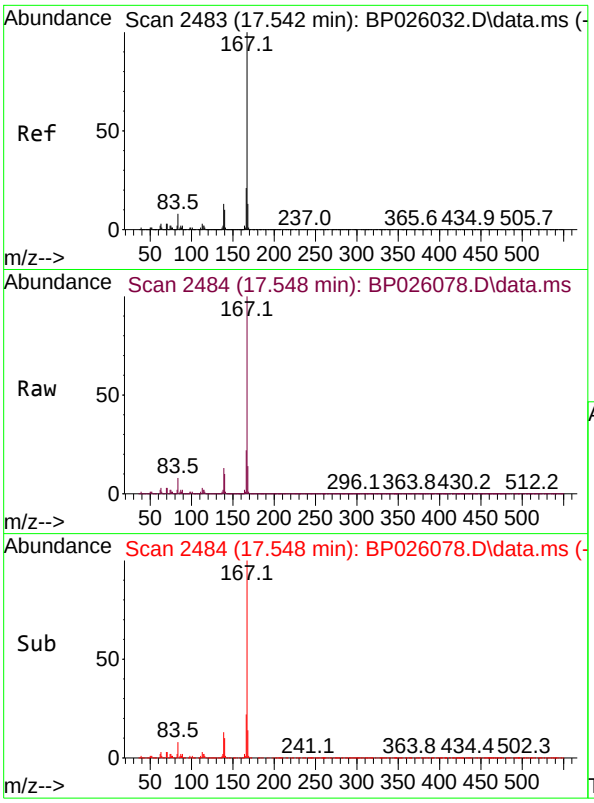


#72
Anthracene
Concen: 44.300 ng
RT: 17.266 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:178 Resp: 4104031

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.5	12.2	18.4





#73
Carbazole
Concen: 45.927 ng
RT: 17.548 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:167 Resp: 402760

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	12.9	10.2	15.2

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
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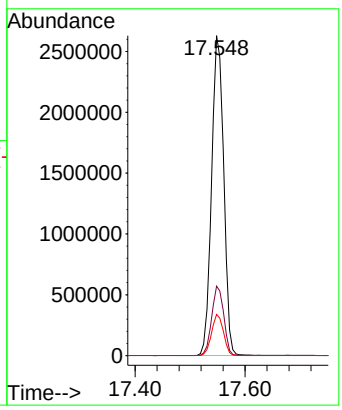
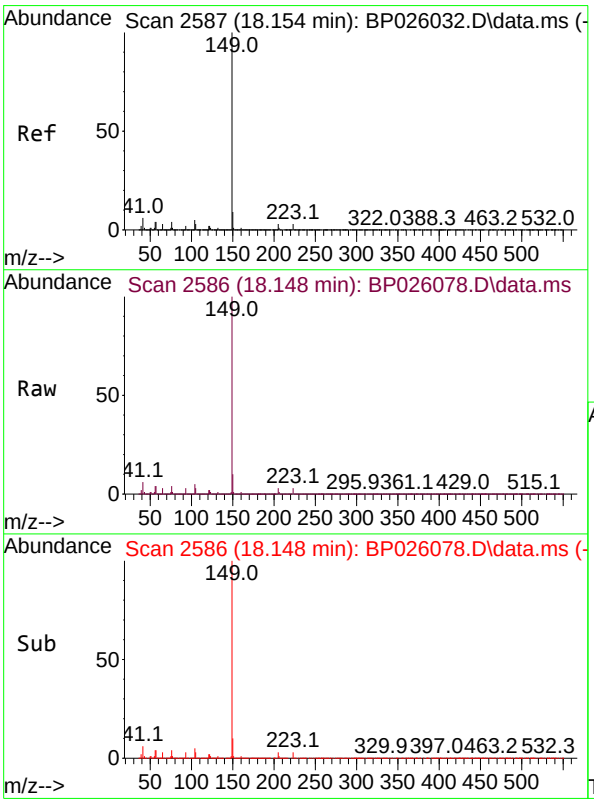
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

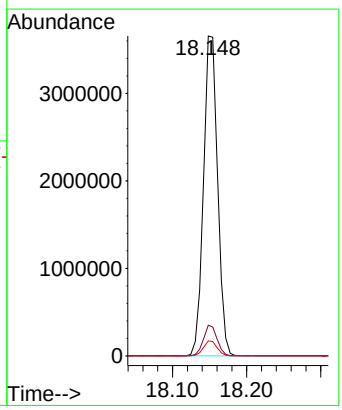


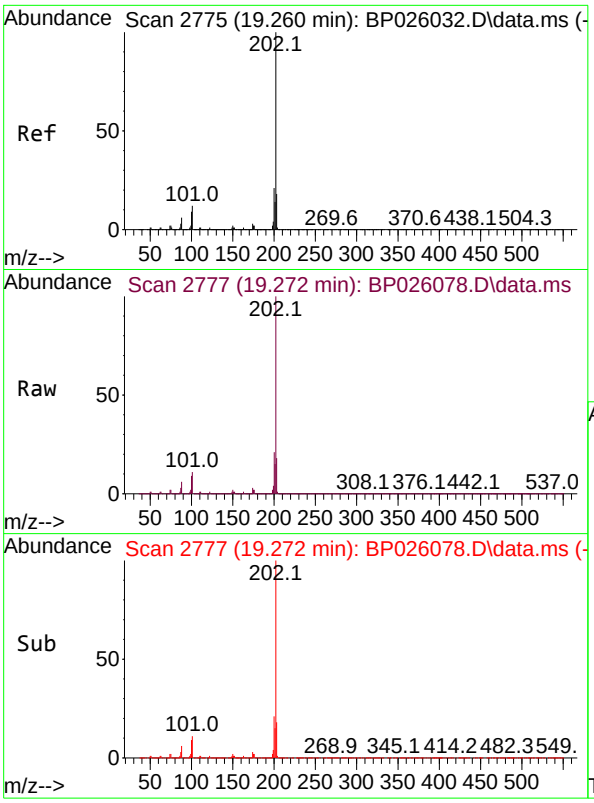


#74
Di-n-butylphthalate
Concen: 49.223 ng
RT: 18.148 min Scan# 2586
Delta R.T. -0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:149 Resp: 4830149

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.3	10.9
104	4.7	3.8	5.6





#75
Fluoranthene
Concen: 46.331 ng
RT: 19.272 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:202 Resp: 505106

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.1
203	17.7	0.0	37.6

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
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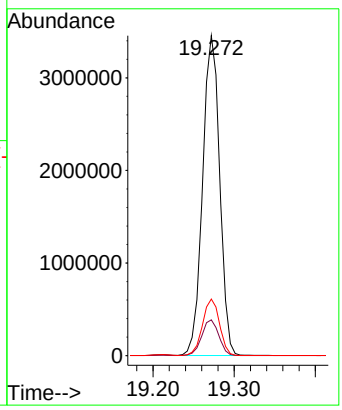
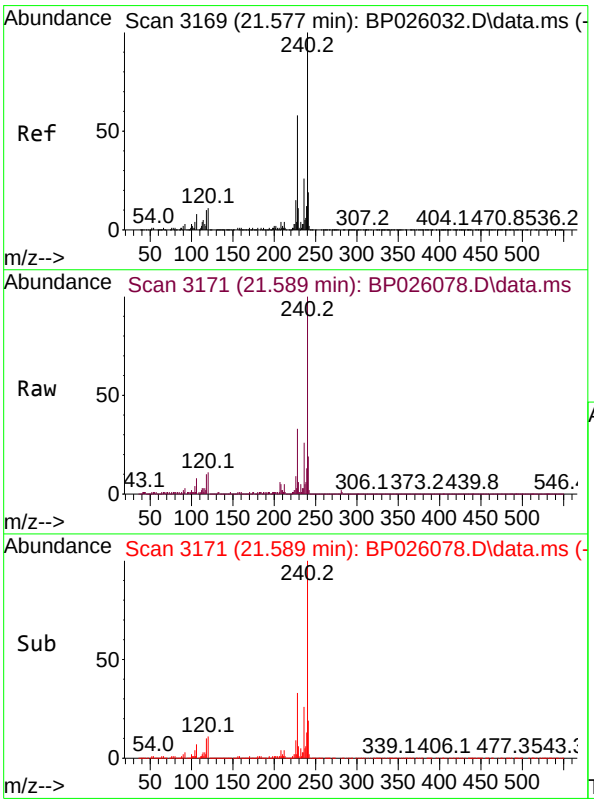
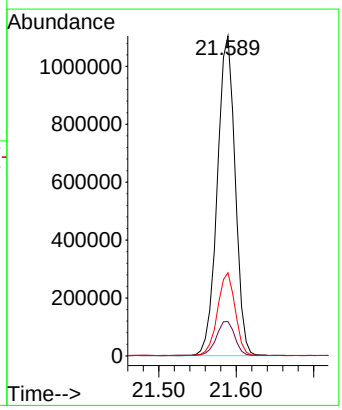


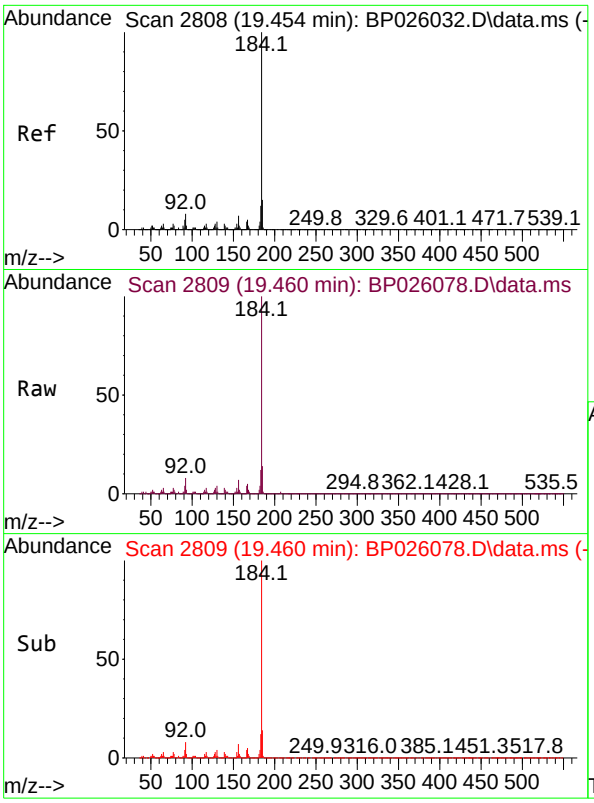


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. 0.024 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:240 Resp: 1768366

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	26.0	20.6	31.0





#77
Benzidine
Concen: 37.780 ng
RT: 19.460 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:184 Resp: 169576

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.9	17.9
183	11.7	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
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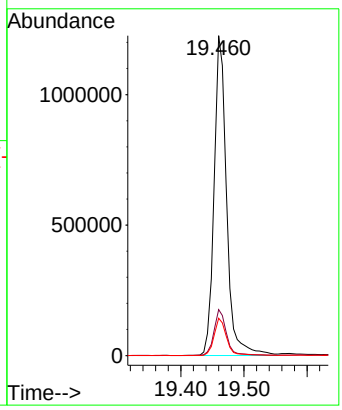
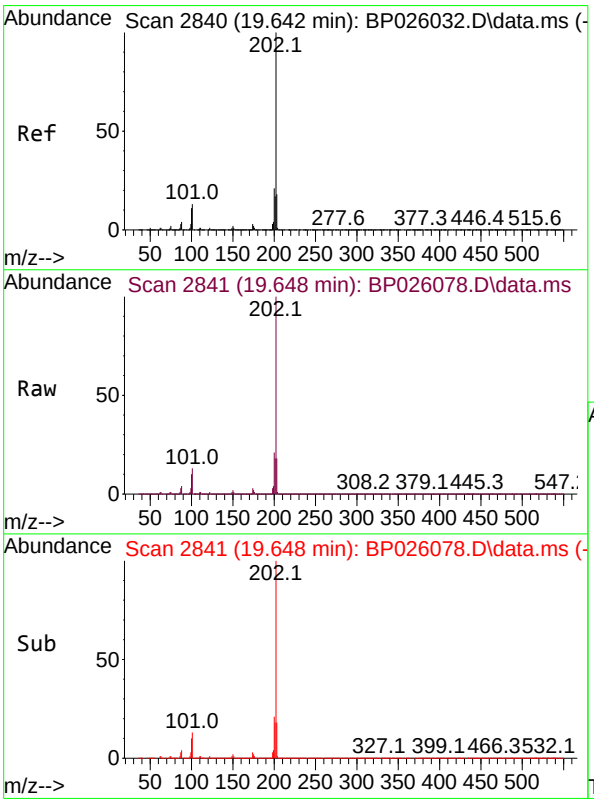
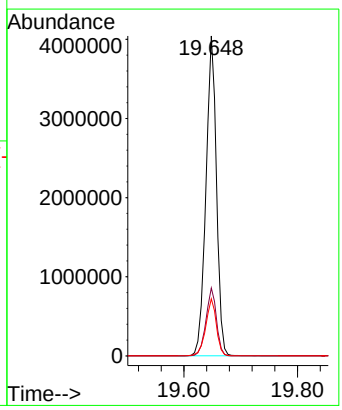


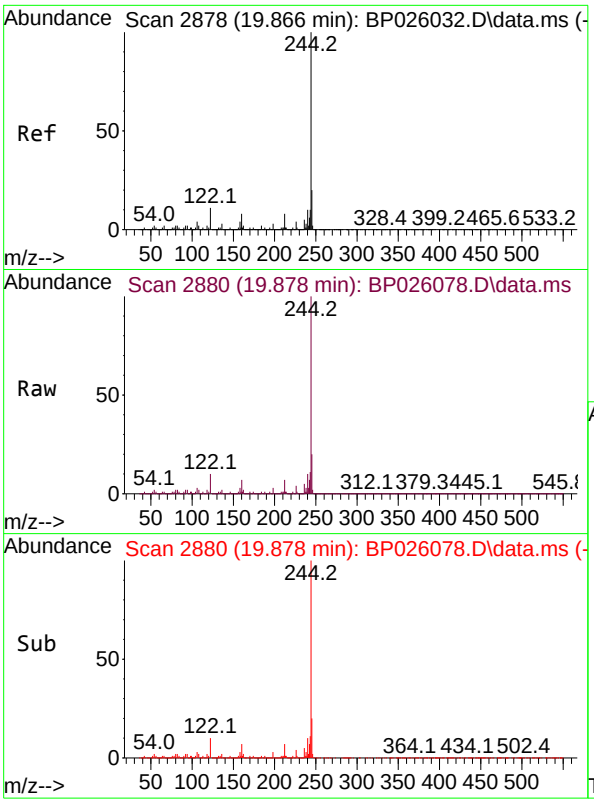


#78
Pyrene
Concen: 43.712 ng
RT: 19.648 min Scan# 2841
Delta R.T. 0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:202 Resp: 5228032

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	17.9	14.0	21.0





#79
Terphenyl-d14
Concen: 83.575 ng
RT: 19.878 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:244 Resp: 7274300

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	10.1	9.0	13.6

Instrument :
BNA_P
ClientSampleId :
PB170424BS

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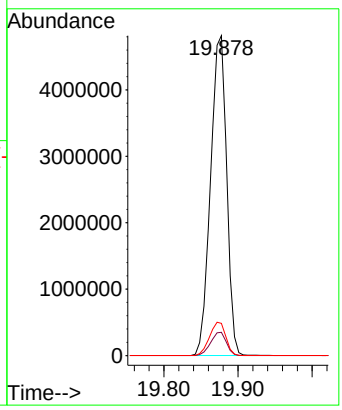
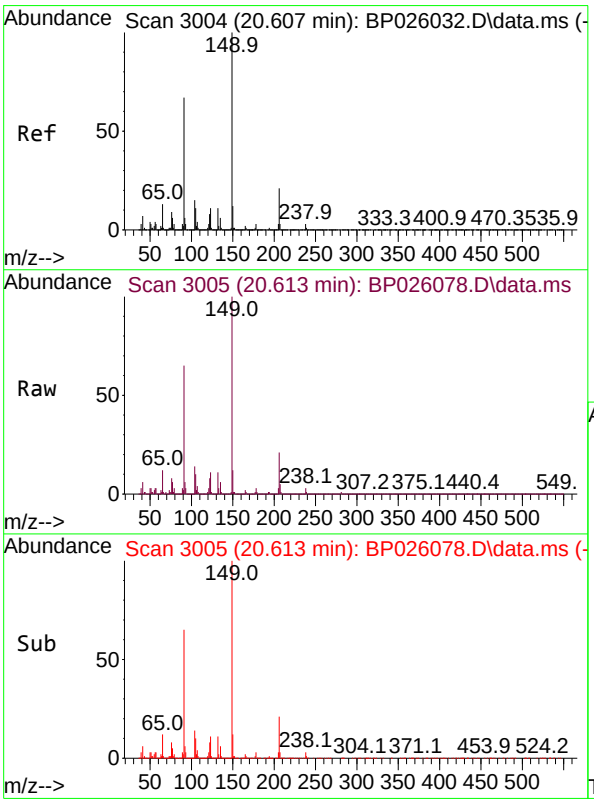
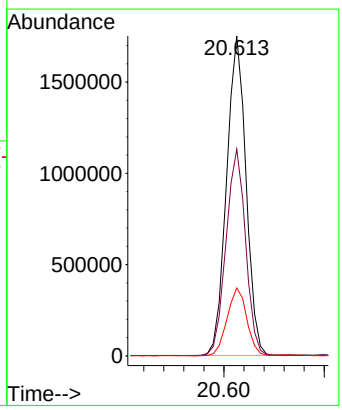


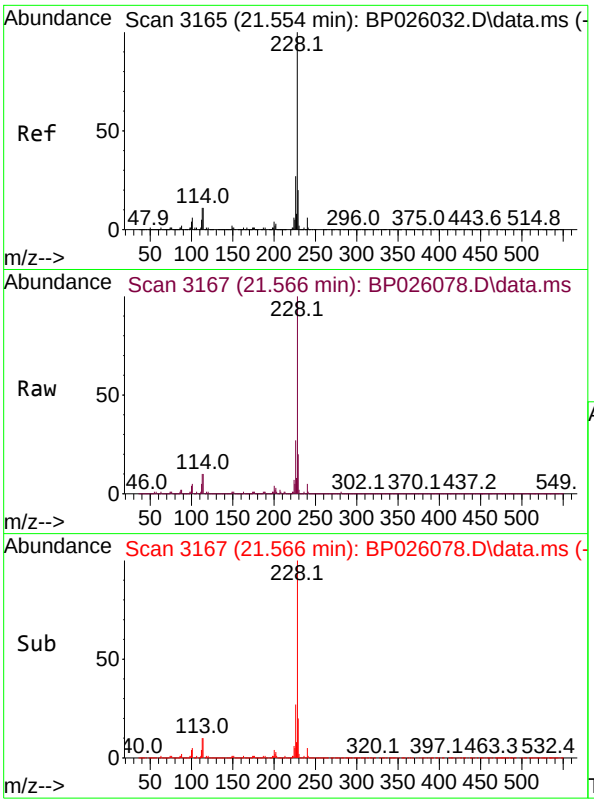


#80
Butylbenzylphthalate
Concen: 52.562 ng
RT: 20.613 min Scan# 3005
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:149 Resp: 2362622

Ion	Ratio	Lower	Upper
149	100		
91	64.6	53.5	80.3
206	21.2	16.6	25.0





#81
Benzo(a)anthracene
Concen: 44.060 ng
RT: 21.566 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:228 Resp: 535411

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	20.1	15.8	23.8

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
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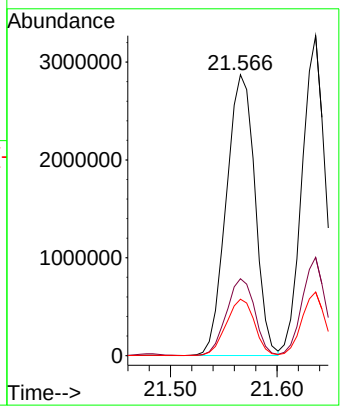
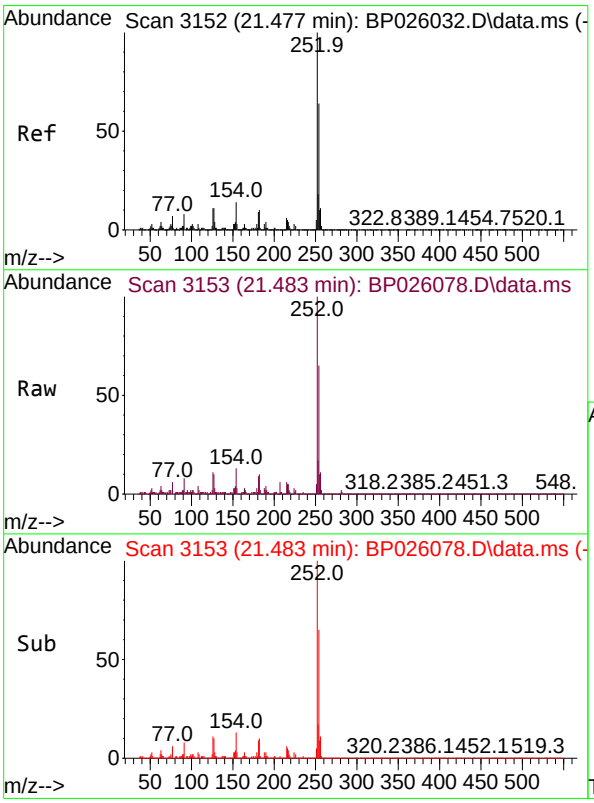
Supervised By :Jagrut Upadhyay 11/10/2025

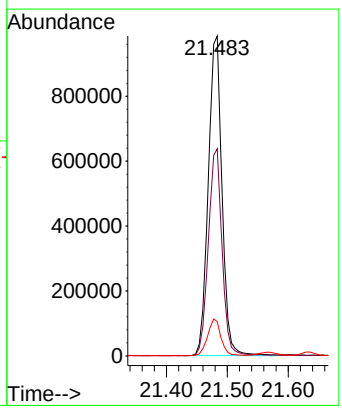


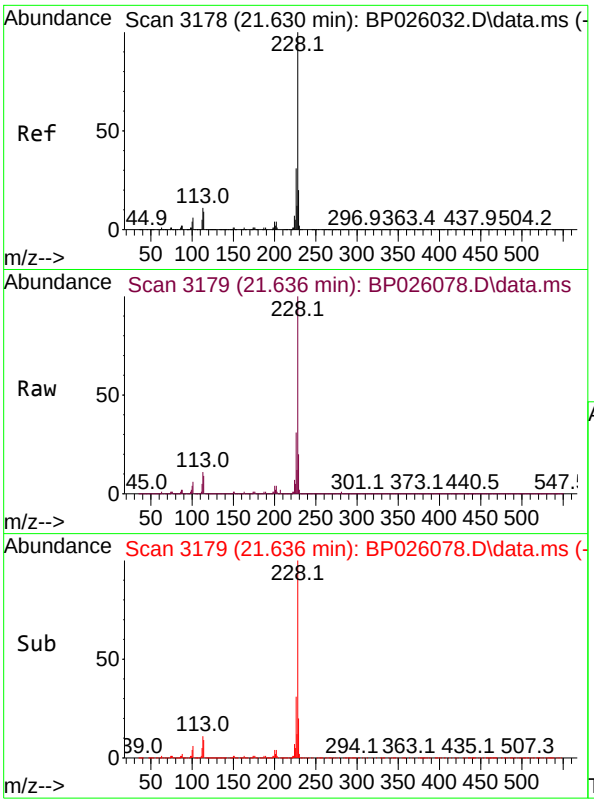


#82
3,3'-Dichlorobenzidine
Concen: 39.364 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:252 Resp: 1541201

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.3	76.9
126	10.7	9.1	13.7





#83
Chrysene
Concen: 42.834 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

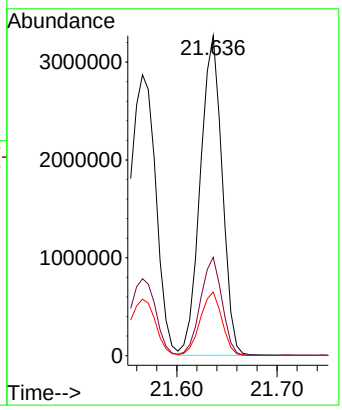
Tgt Ion:228 Resp: 493067

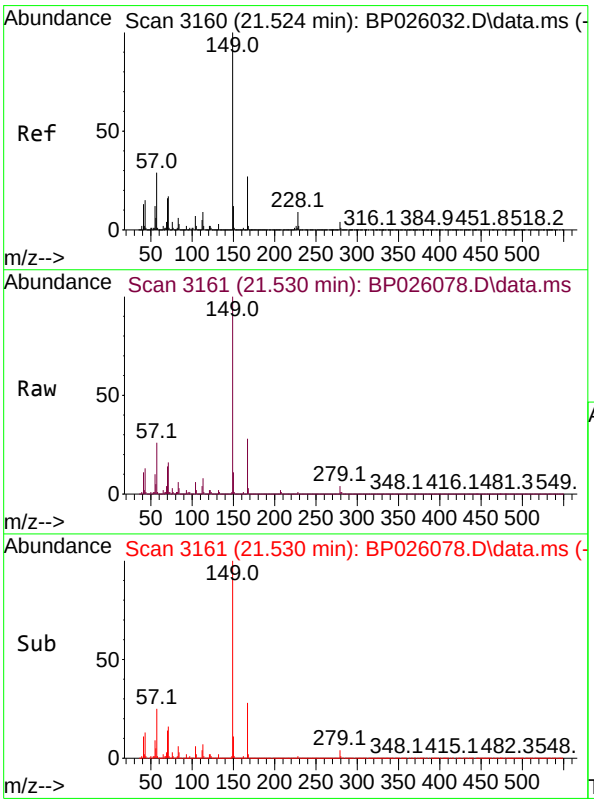
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.4	36.6
229	19.9	16.0	24.0

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

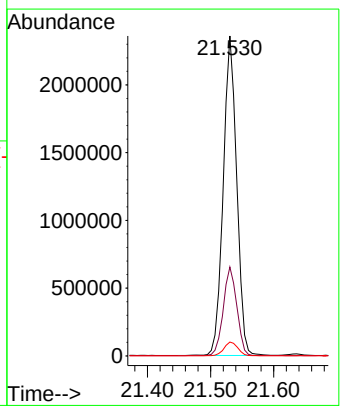


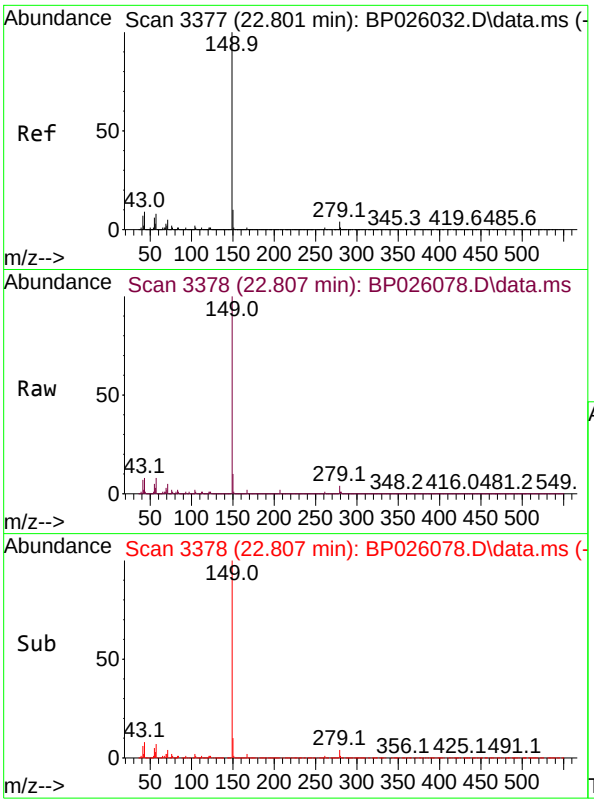


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.947 ng
RT: 21.530 min Scan# 3161
Delta R.T. 0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:149 Resp: 3492262

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.5	32.3
279	4.3	3.0	4.6





#85
Di-n-octyl phthalate
Concen: 58.006 ng
RT: 22.807 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

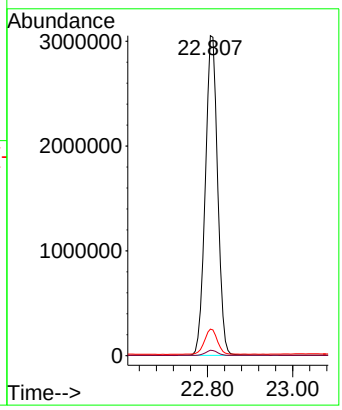
Tgt Ion:149 Resp: 6106180

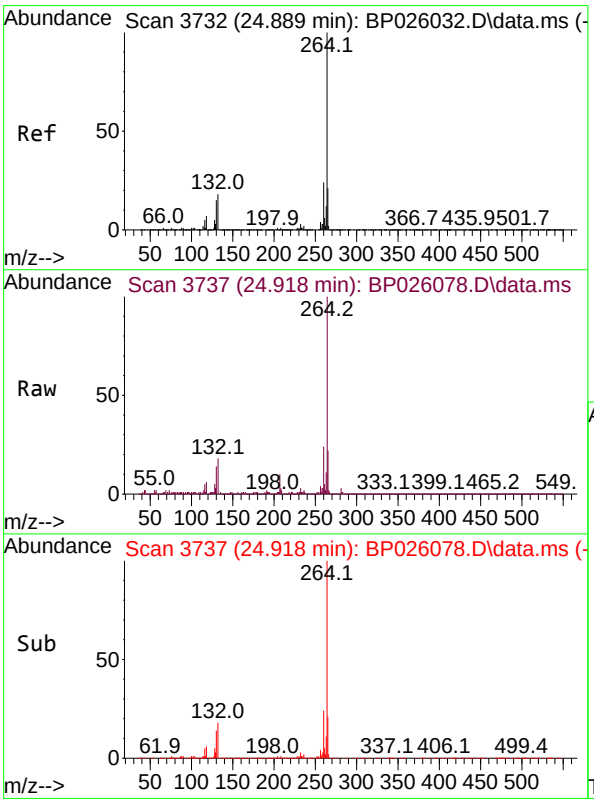
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.4	7.6	11.4

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

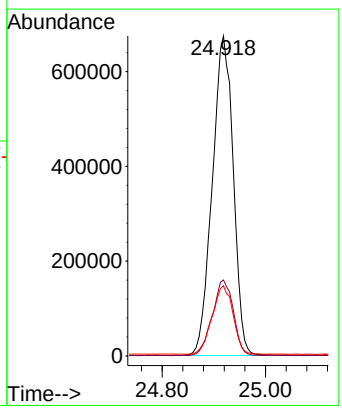


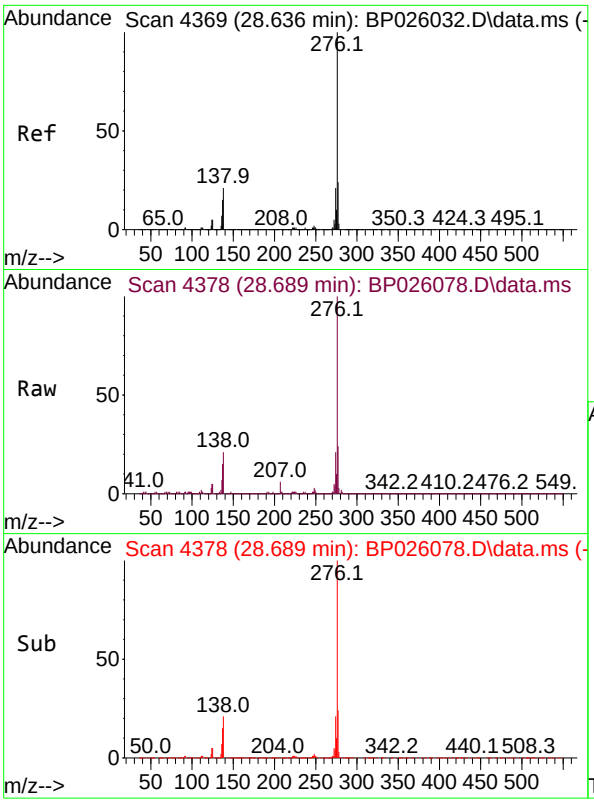


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 3737
Delta R.T. 0.036 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:264 Resp: 1900235

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.9	17.2	25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 47.529 ng m
RT: 28.689 min Scan# 4
Delta R.T. 0.030 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

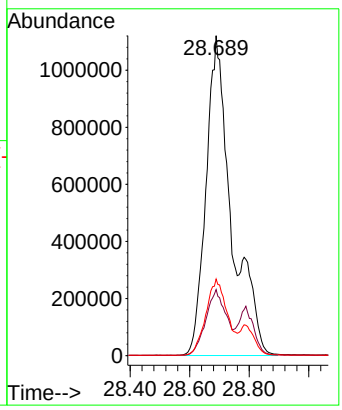
Tgt Ion:276 Resp: 666785

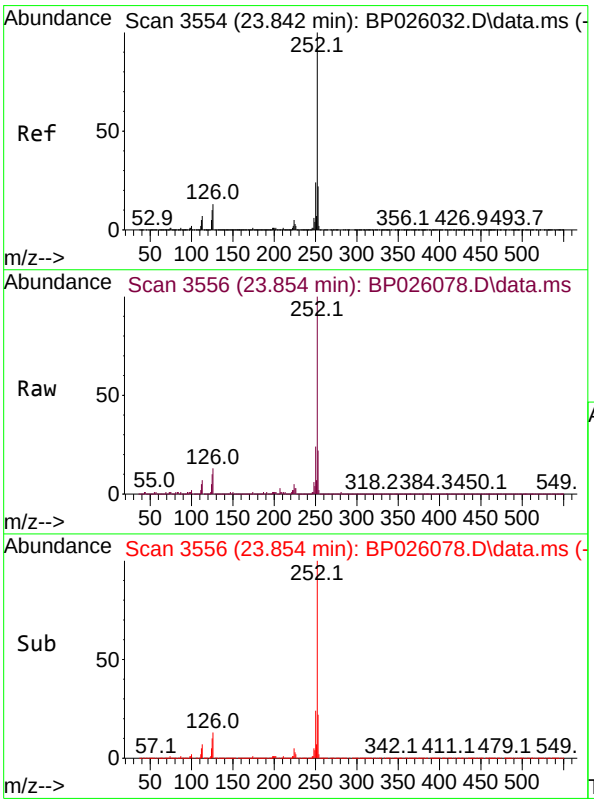
Ion	Ratio	Lower	Upper
276	100		
138	16.6	13.2	19.8
277	19.9	16.3	24.5

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

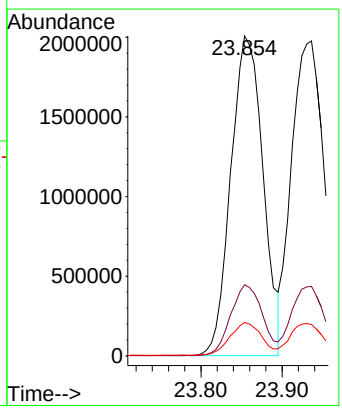


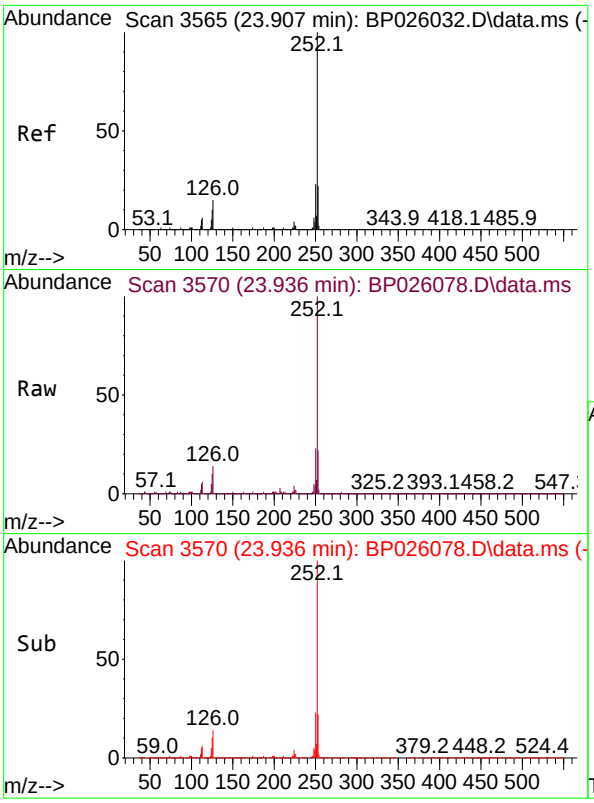


#88
Benzo(b)fluoranthene
Concen: 47.002 ng
RT: 23.854 min Scan# 3556
Delta R.T. 0.006 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:252 Resp: 5544570

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.4	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 45.417 ng
RT: 23.936 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

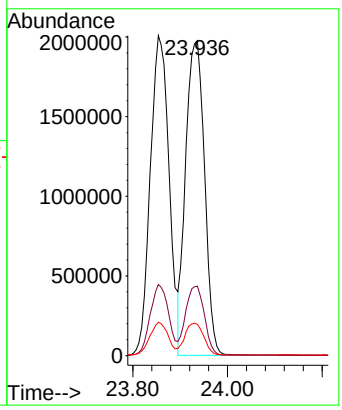
Tgt Ion:252 Resp: 547110

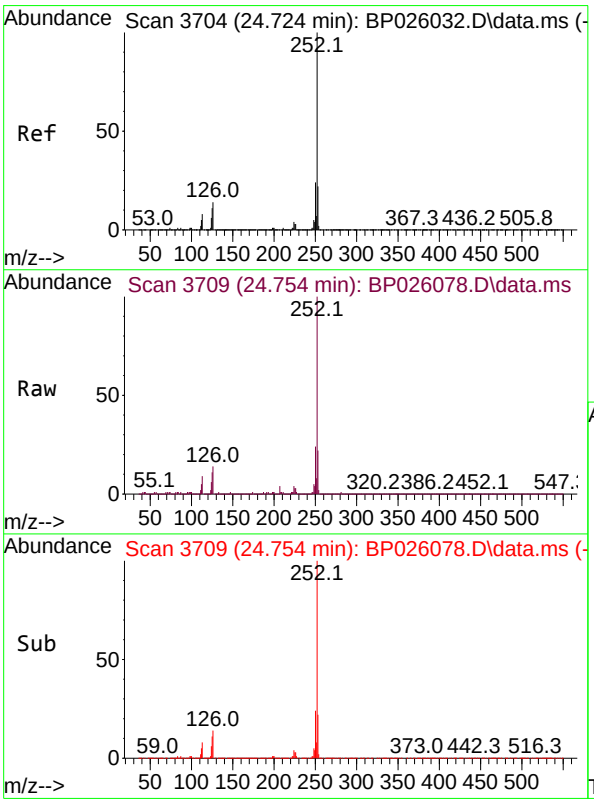
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.9	8.1	12.1

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

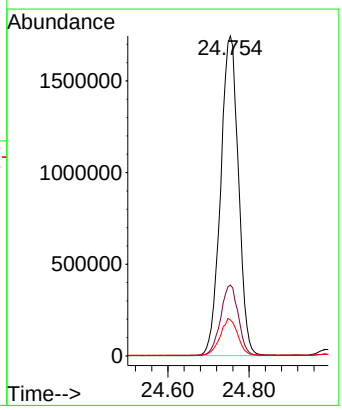


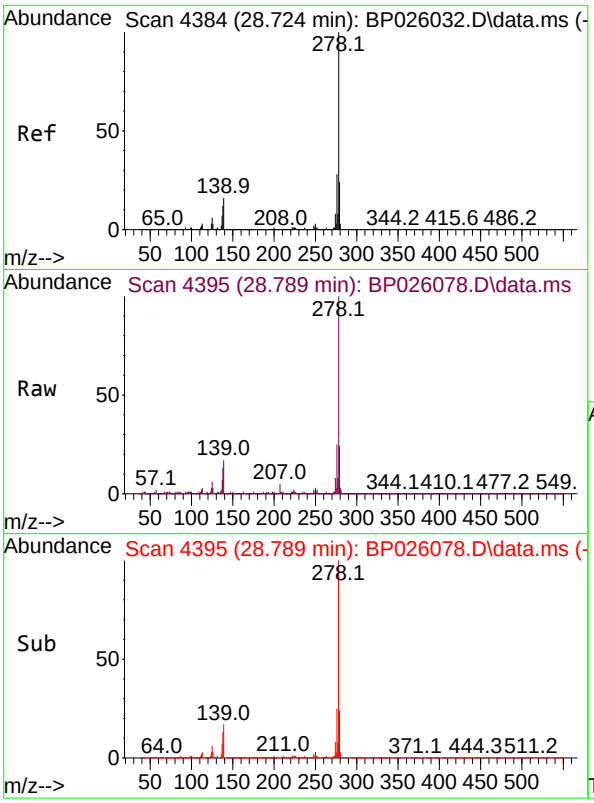


#90
Benzo(a)pyrene
Concen: 48.935 ng
RT: 24.754 min Scan# 3709
Delta R.T. 0.012 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:252 Resp: 5303300

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	11.2	9.1	13.7





#91
Dibenzo(a,h)anthracene
Concen: 48.279 ng
RT: 28.789 min Scan# 4
Delta R.T. 0.041 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

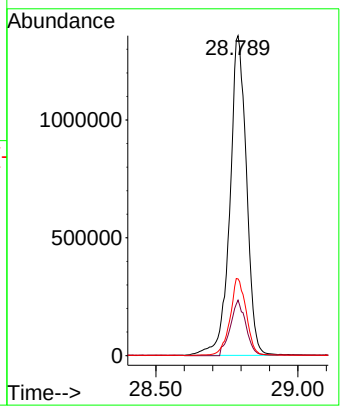
Tgt Ion:278 Resp: 551178

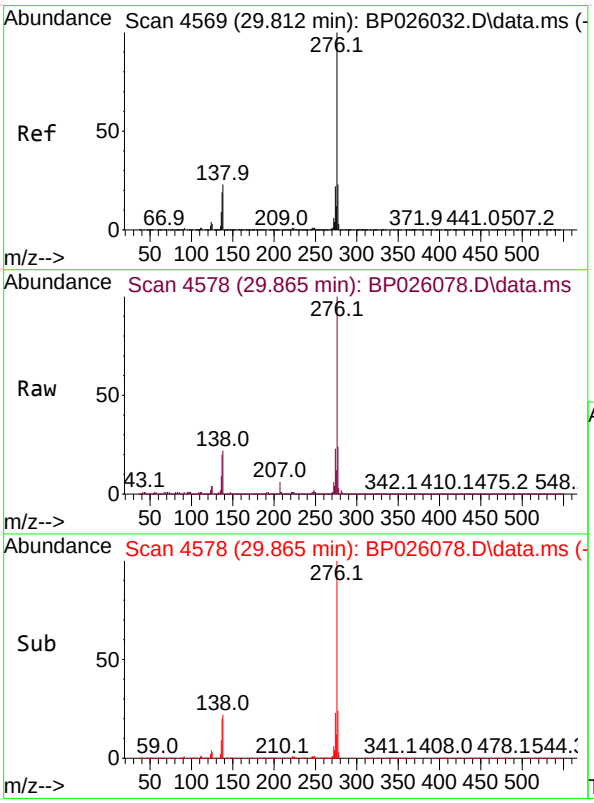
Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.0	19.6
279	24.0	18.9	28.3

Instrument :
BNA_P
ClientSampleId :
PB170424BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

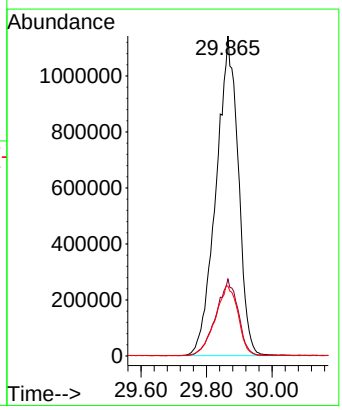




#92
Benzo(g,h,i)perylene
Concen: 49.046 ng
RT: 29.865 min Scan# 4578
Delta R.T. 0.036 min
Lab File: BP026078.D
Acq: 06 Nov 2025 14:54

Tgt Ion:276 Resp: 5388220

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.5	27.7
138	21.8	18.1	27.1



Raw Data: **BP026079.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	PB170424BSD	SDG No.:	Q3534
Lab Sample ID:	PB170424BSD	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	32.9		1	3.90	10.0	ug/L	11/06/25 15:35	PB170424
108-95-2	Phenol	47.0		1	0.91	5.00	ug/L	11/06/25 15:35	PB170424
111-44-4	bis(2-Chloroethyl)ether	41.7		1	0.81	5.00	ug/L	11/06/25 15:35	PB170424
95-57-8	2-Chlorophenol	48.7		1	0.58	5.00	ug/L	11/06/25 15:35	PB170424
95-48-7	2-Methylphenol	49.2		1	1.10	5.00	ug/L	11/06/25 15:35	PB170424
108-60-1	2,2-oxybis(1-Chloropropane)	39.3		1	1.30	5.00	ug/L	11/06/25 15:35	PB170424
98-86-2	Acetophenone	47.3		1	0.74	5.00	ug/L	11/06/25 15:35	PB170424
65794-96-9	3+4-Methylphenols	49.0		1	1.10	10.0	ug/L	11/06/25 15:35	PB170424
621-64-7	n-Nitroso-di-n-propylamine	45.4		1	1.40	2.50	ug/L	11/06/25 15:35	PB170424
67-72-1	Hexachloroethane	43.7		1	0.65	5.00	ug/L	11/06/25 15:35	PB170424
98-95-3	Nitrobenzene	44.5		1	0.76	5.00	ug/L	11/06/25 15:35	PB170424
78-59-1	Isophorone	43.9		1	0.75	5.00	ug/L	11/06/25 15:35	PB170424
88-75-5	2-Nitrophenol	60.8		1	1.80	5.00	ug/L	11/06/25 15:35	PB170424
105-67-9	2,4-Dimethylphenol	51.8		1	1.90	5.00	ug/L	11/06/25 15:35	PB170424
111-91-1	bis(2-Chloroethoxy)methane	43.5		1	0.68	5.00	ug/L	11/06/25 15:35	PB170424
120-83-2	2,4-Dichlorophenol	50.6		1	0.52	5.00	ug/L	11/06/25 15:35	PB170424
91-20-3	Naphthalene	41.9		1	0.50	5.00	ug/L	11/06/25 15:35	PB170424
106-47-8	4-Chloroaniline	29.5		1	0.84	5.00	ug/L	11/06/25 15:35	PB170424
87-68-3	Hexachlorobutadiene	42.0		1	0.54	5.00	ug/L	11/06/25 15:35	PB170424
105-60-2	Caprolactam	53.5		1	1.10	10.0	ug/L	11/06/25 15:35	PB170424
59-50-7	4-Chloro-3-methylphenol	52.7		1	0.59	5.00	ug/L	11/06/25 15:35	PB170424
91-57-6	2-Methylnaphthalene	39.9		1	0.56	5.00	ug/L	11/06/25 15:35	PB170424
77-47-4	Hexachlorocyclopentadiene	120	E	1	3.60	10.0	ug/L	11/06/25 15:35	PB170424
88-06-2	2,4,6-Trichlorophenol	52.0		1	0.51	5.00	ug/L	11/06/25 15:35	PB170424
95-95-4	2,4,5-Trichlorophenol	51.3		1	0.62	5.00	ug/L	11/06/25 15:35	PB170424
92-52-4	1,1-Biphenyl	46.7		1	0.53	5.00	ug/L	11/06/25 15:35	PB170424
91-58-7	2-Chloronaphthalene	41.1		1	0.61	5.00	ug/L	11/06/25 15:35	PB170424
88-74-4	2-Nitroaniline	49.7		1	1.30	5.00	ug/L	11/06/25 15:35	PB170424
131-11-3	Dimethylphthalate	47.1		1	0.61	5.00	ug/L	11/06/25 15:35	PB170424
208-96-8	Acenaphthylene	48.6		1	0.75	5.00	ug/L	11/06/25 15:35	PB170424
606-20-2	2,6-Dinitrotoluene	53.9		1	0.92	5.00	ug/L	11/06/25 15:35	PB170424
99-09-2	3-Nitroaniline	38.7		1	1.10	5.00	ug/L	11/06/25 15:35	PB170424
83-32-9	Acenaphthene	40.9		1	0.55	5.00	ug/L	11/06/25 15:35	PB170424
51-28-5	2,4-Dinitrophenol	110	E	1	6.00	10.0	ug/L	11/06/25 15:35	PB170424
100-02-7	4-Nitrophenol	100	E	1	2.40	10.0	ug/L	11/06/25 15:35	PB170424
132-64-9	Dibenzofuran	43.6		1	0.61	5.00	ug/L	11/06/25 15:35	PB170424
121-14-2	2,4-Dinitrotoluene	52.4		1	1.20	5.00	ug/L	11/06/25 15:35	PB170424
84-66-2	Diethylphthalate	47.6		1	0.69	5.00	ug/L	11/06/25 15:35	PB170424
7005-72-3	4-Chlorophenyl-phenylether	43.7		1	0.68	5.00	ug/L	11/06/25 15:35	PB170424
86-73-7	Fluorene	44.1		1	0.63	5.00	ug/L	11/06/25 15:35	PB170424
100-01-6	4-Nitroaniline	51.9		1	1.50	5.00	ug/L	11/06/25 15:35	PB170424
534-52-1	4,6-Dinitro-2-methylphenol	59.5		1	2.90	10.0	ug/L	11/06/25 15:35	PB170424

Raw Data: **BP026079.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	PB170424BSD	SDG No.:	Q3534
Lab Sample ID:	PB170424BSD	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	43.9		1	0.58	5.00	ug/L	11/06/25 15:35	PB170424
101-55-3	4-Bromophenyl-phenylether	44.1		1	0.40	5.00	ug/L	11/06/25 15:35	PB170424
118-74-1	Hexachlorobenzene	44.4		1	0.52	5.00	ug/L	11/06/25 15:35	PB170424
1912-24-9	Atrazine	50.4		1	1.00	5.00	ug/L	11/06/25 15:35	PB170424
87-86-5	Pentachlorophenol	120	E	1	1.60	10.0	ug/L	11/06/25 15:35	PB170424
85-01-8	Phenanthrene	42.3		1	0.50	5.00	ug/L	11/06/25 15:35	PB170424
120-12-7	Anthracene	44.3		1	0.61	5.00	ug/L	11/06/25 15:35	PB170424
86-74-8	Carbazole	44.5		1	0.72	5.00	ug/L	11/06/25 15:35	PB170424
84-74-2	Di-n-butylphthalate	49.1		1	1.20	5.00	ug/L	11/06/25 15:35	PB170424
206-44-0	Fluoranthene	44.8		1	0.82	5.00	ug/L	11/06/25 15:35	PB170424
129-00-0	Pyrene	45.2		1	0.50	5.00	ug/L	11/06/25 15:35	PB170424
85-68-7	Butylbenzylphthalate	53.9		1	1.90	5.00	ug/L	11/06/25 15:35	PB170424
91-94-1	3,3-Dichlorobenzidine	39.9		1	0.93	10.0	ug/L	11/06/25 15:35	PB170424
56-55-3	Benzo(a)anthracene	43.5		1	0.45	5.00	ug/L	11/06/25 15:35	PB170424
218-01-9	Chrysene	43.8		1	0.44	5.00	ug/L	11/06/25 15:35	PB170424
117-81-7	Bis(2-ethylhexyl)phthalate	50.1		1	1.60	5.00	ug/L	11/06/25 15:35	PB170424
117-84-0	Di-n-octyl phthalate	59.3		1	2.30	10.0	ug/L	11/06/25 15:35	PB170424
205-99-2	Benzo(b)fluoranthene	47.1		1	0.49	5.00	ug/L	11/06/25 15:35	PB170424
207-08-9	Benzo(k)fluoranthene	45.2		1	0.48	5.00	ug/L	11/06/25 15:35	PB170424
50-32-8	Benzo(a)pyrene	48.2		1	0.55	5.00	ug/L	11/06/25 15:35	PB170424
193-39-5	Indeno(1,2,3-cd)pyrene	47.1		1	0.59	5.00	ug/L	11/06/25 15:35	PB170424
53-70-3	Dibenzo(a,h)anthracene	48.0		1	0.67	5.00	ug/L	11/06/25 15:35	PB170424
191-24-2	Benzo(g,h,i)perylene	49.0		1	0.69	5.00	ug/L	11/06/25 15:35	PB170424
95-94-3	1,2,4,5-Tetrachlorobenzene	45.4		1	0.52	5.00	ug/L	11/06/25 15:35	PB170424
123-91-1	1,4-Dioxane	32.9		1	1.00	5.00	ug/L	11/06/25 15:35	PB170424
58-90-2	2,3,4,6-Tetrachlorophenol	57.8		1	0.72	5.00	ug/L	11/06/25 15:35	PB170424
SURROGATES									
367-12-4	2-Fluorophenol	132			15 (23) - 110 (138)	88%	SPK: 150		
13127-88-3	Phenol-d6	134			15 (10) - 110 (134)	90%	SPK: 150		
4165-60-0	Nitrobenzene-d5	86.1			30 (67) - 130 (132)	86%	SPK: 100		
321-60-8	2-Fluorobiphenyl	76.6			30 (52) - 130 (132)	77%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	155			15 (44) - 110 (137)	103%	SPK: 150		
1718-51-0	Terphenyl-d14	85.0			30 (42) - 130 (152)	85%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	300000							
1146-65-2	Naphthalene-d8	1260000							
15067-26-2	Acenaphthene-d10	854000							
1517-22-2	Phenanthrene-d10	1820000							
1719-03-5	Chrysene-d12	1870000							
1520-96-3	Perylene-d12	2000000							

Raw Data: **BP026079.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	PB170424BSD			SDG No.:	Q3534
Lab Sample ID:	PB170424BSD			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date:	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BP026079.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026079.D
Acq On : 06 Nov 2025 15:35
Operator : RC/JU
Sample : PB170424BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 16:12:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	300293	20.000	ng		0.00
21) Naphthalene-d8	10.454	136	1260021	20.000	ng		0.00
39) Acenaphthene-d10	14.325	164	853804	20.000	ng		0.00
64) Phenanthrene-d10	17.130	188	1821988	20.000	ng		0.00
76) Chrysene-d12	21.571	240	1872003	20.000	ng		0.00
86) Perylene-d12	24.895	264	1998604	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.302	112	2407721	132.303	ng		0.00
7) Phenol-d6	6.860	99	3111525	134.331	ng		0.00
23) Nitrobenzene-d5	8.819	82	1740695	86.121	ng		0.00
42) 2,4,6-Tribromophenol	15.836	330	1432494	155.192	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	4550227	76.579	ng		0.00
79) Terphenyl-d14	19.872	244	7828262	84.960	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.231	88	252458	32.907	ng		98
3) Pyridine	3.614	79	695094	31.871	ng		97
4) n-Nitrosodimethylamine	3.525	42	354902	40.602	ng		91
6) Aniline	7.013	93	1091236	35.299	ng		99
8) 2-Chlorophenol	7.249	128	980493	48.655	ng		97
9) Benzaldehyde	6.825	77	396545	32.933	ng		99
10) Phenol	6.884	94	1207329	46.950	ng		99
11) bis(2-Chloroethyl)ether	7.107	93	846976	41.735	ng		100
12) 1,3-Dichlorobenzene	7.572	146	979064	42.305	ng		99
13) 1,4-Dichlorobenzene	7.719	146	1005636	42.977	ng		99
14) 1,2-Dichlorobenzene	8.031	146	973373	43.594	ng		99
15) Benzyl Alcohol	7.913	79	815169	48.817	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.207	45	1205373	39.300	ng		97
17) 2-Methylphenol	8.119	107	828132	49.180	ng		99
18) Hexachloroethane	8.749	117	350060	43.719	ng		98
19) n-Nitroso-di-n-propyla...	8.478	70	652661	45.391	ng		98
20) 3+4-Methylphenols	8.437	107	1147915	49.003	ng		99
22) Acetophenone	8.490	105	1508040	47.323	ng	#	97
24) Nitrobenzene	8.860	77	949232	44.480	ng		98
25) Isophorone	9.390	82	1899192	43.899	ng		100
26) 2-Nitrophenol	9.566	139	483675	60.817	ng		97
27) 2,4-Dimethylphenol	9.631	122	942767	51.821	ng		99
28) bis(2-Chloroethoxy)met...	9.866	93	1186049	43.501	ng		100
29) 2,4-Dichlorophenol	10.101	162	971363	50.568	ng		99
30) 1,2,4-Trichlorobenzene	10.319	180	942195	45.127	ng		97
31) Naphthalene	10.501	128	2877193	41.874	ng		100
32) Benzoic acid	9.772	122	845596	67.173	ng		95
33) 4-Chloroaniline	10.601	127	779125	29.508	ng		100
34) Hexachlorobutadiene	10.796	225	556926	41.975	ng		98
35) Caprolactam	11.372	113	360818m	53.490	ng		
36) 4-Chloro-3-methylphenol	11.731	107	1061481	52.714	ng		99
37) 2-Methylnaphthalene	12.119	142	1919899	39.922	ng		99
38) 1-Methylnaphthalene	12.337	142	1982527	42.433	ng		98
40) 1,2,4,5-Tetrachloroben...	12.495	216	1205103	45.426	ng		99
41) Hexachlorocyclopentadiene	12.484	237	1209033	124.561	ng		97
43) 2,4,6-Trichlorophenol	12.731	196	815265	51.992	ng		100

Sample Results: **BP026079.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026079.D
Acq On : 06 Nov 2025 15:35
Operator : RC/JU
Sample : PB170424BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 16:12:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.807	196	917274	51.266 ng		98
46) 1,1'-Biphenyl	13.142	154	3049794	46.650 ng		99
47) 2-Chloronaphthalene	13.184	162	2112935	41.078 ng		99
48) 2-Nitroaniline	13.378	65	658887	49.667 ng		94
49) Acenaphthylene	14.037	152	3645640	48.628 ng		100
50) Dimethylphthalate	13.778	163	2927654	47.141 ng		100
51) 2,6-Dinitrotoluene	13.889	165	629781	53.919 ng		93
52) Acenaphthene	14.389	154	2107035	40.939 ng		99
53) 3-Nitroaniline	14.219	138	533574	38.678 ng	#	97
54) 2,4-Dinitrophenol	14.425	184	696443	109.641 ng		97
55) Dibenzofuran	14.731	168	3388704	43.579 ng		99
56) 4-Nitrophenol	14.542	139	1292340	104.356 ng		97
57) 2,4-Dinitrotoluene	14.689	165	898072	52.416 ng		91
58) Fluorene	15.389	166	2689532	44.148 ng		100
59) 2,3,4,6-Tetrachlorophenol	14.960	232	813480	57.824 ng		99
60) Diethylphthalate	15.172	149	2969874	47.567 ng		100
61) 4-Chlorophenyl-phenyle...	15.395	204	1330487	43.733 ng		98
62) 4-Nitroaniline	15.401	138	688459	51.877 ng		96
63) Azobenzene	15.695	77	2508347	44.329 ng		96
65) 4,6-Dinitro-2-methylph...	15.466	198	471257	59.474 ng		92
66) n-Nitrosodiphenylamine	15.607	169	2503020	43.938 ng		99
67) 4-Bromophenyl-phenylether	16.307	248	892025	44.137 ng		98
68) Hexachlorobenzene	16.425	284	1021133	44.383 ng		97
69) Atrazine	16.589	200	967981	50.370 ng		99
70) Pentachlorophenol	16.772	266	1628665	115.892 ng		100
71) Phenanthrene	17.172	178	4480675	42.251 ng		99
72) Anthracene	17.272	178	4659290	44.323 ng		99
73) Carbazole	17.548	167	4429412	44.513 ng		99
74) Di-n-butylphthalate	18.166	149	5463574	49.068 ng		99
75) Fluoranthene	19.272	202	5547129	44.841 ng		98
77) Benzidine	19.466	184	1936772	40.760 ng		99
78) Pyrene	19.648	202	5719749	45.175 ng		99
80) Butylbenzylphthalate	20.613	149	2570878	53.934 ng		96
81) Benzo(a)anthracene	21.554	228	5596910	43.509 ng		99
82) 3,3'-Dichlorobenzidine	21.483	252	1654362	39.915 ng		100
83) Chrysene	21.624	228	5341240	43.832 ng		99
84) Bis(2-ethylhexyl)phtha...	21.524	149	3787769	50.086 ng	#	98
85) Di-n-octyl phthalate	22.801	149	6607119	59.290 ng		98
87) Indeno(1,2,3-cd)pyrene	28.689	276	6952210	47.117 ng		99
88) Benzo(b)fluoranthene	23.860	252	5846575	47.122 ng		99
89) Benzo(k)fluoranthene	23.930	252	5721823	45.161 ng		99
90) Benzo(a)pyrene	24.759	252	5490590	48.170 ng		99
91) Dibenzo(a,h)anthracene	28.765	278	5761092	47.979 ng		99
92) Benzo(g,h,i)perylene	29.865	276	5657726	48.965 ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BP026079.D**

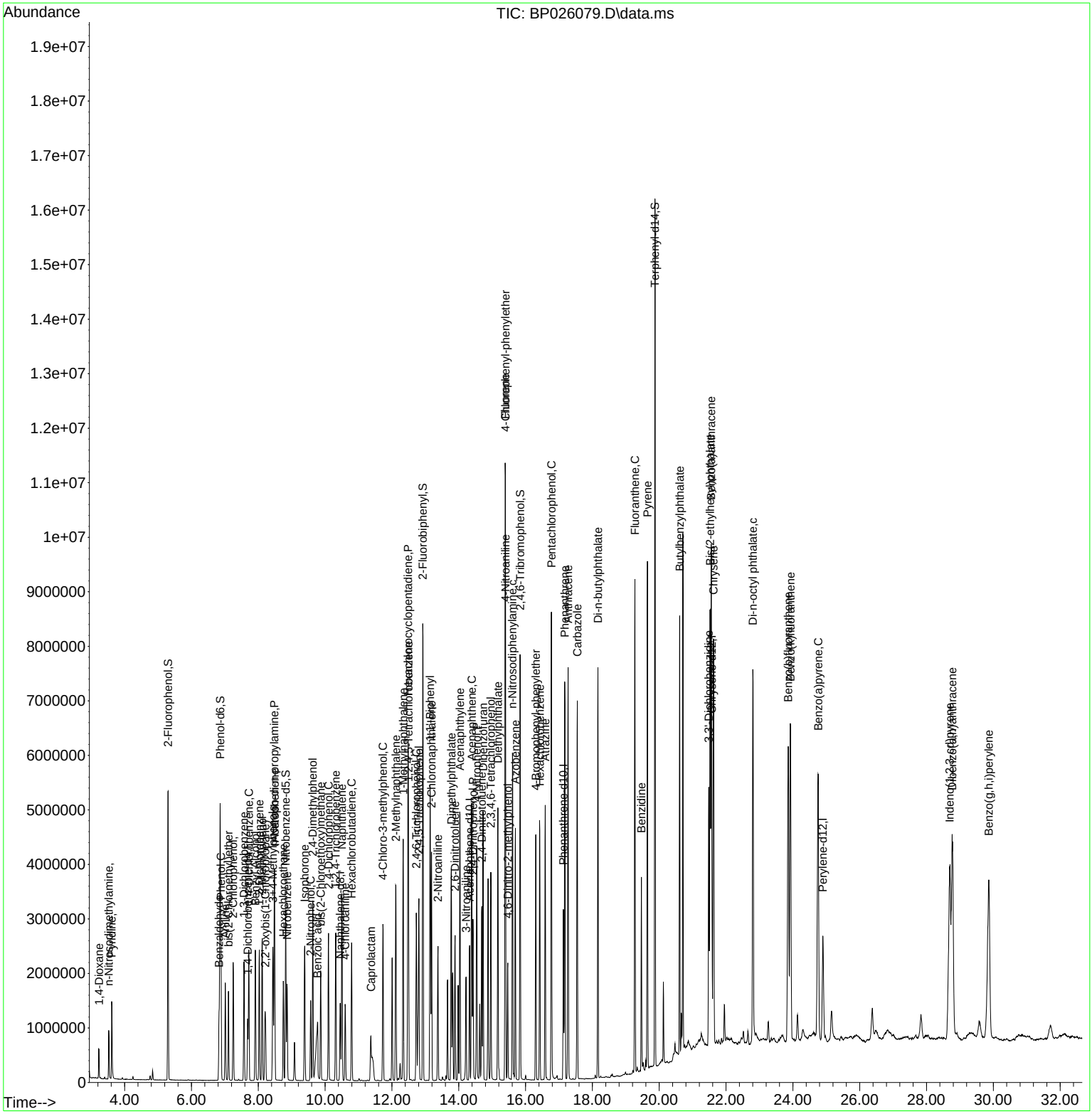
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
Data File : BP026079.D
Acq On : 06 Nov 2025 15:35
Operator : RC/JU
Sample : PB170424BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

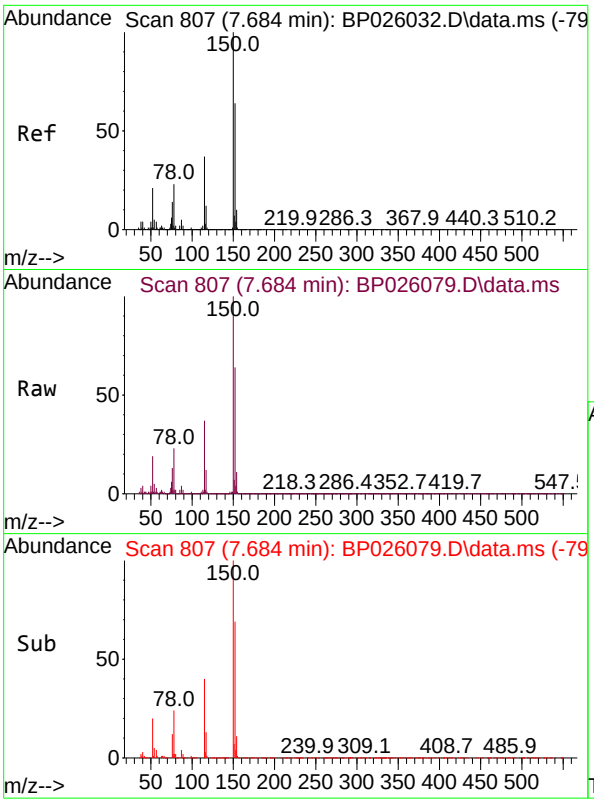
Quant Time: Nov 06 16:12:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:152 Resp: 30029

Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.7	188.5
115	58.3	46.4	69.6

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

Manual Integrations
APPROVED

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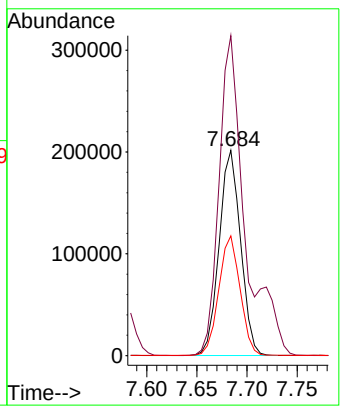
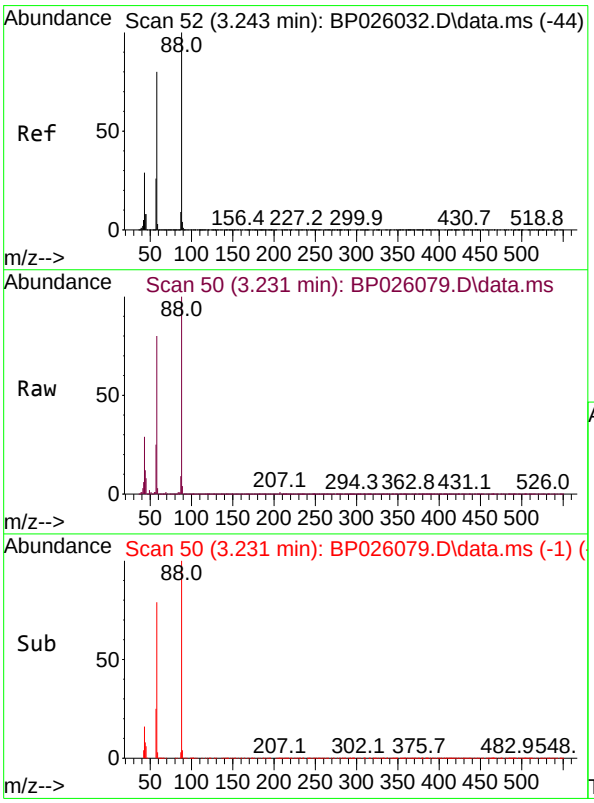
Supervised By :Jagrut Upadhyay 11/10/2025

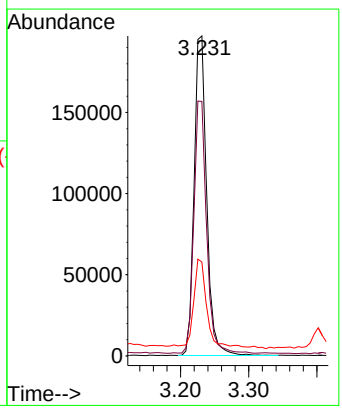


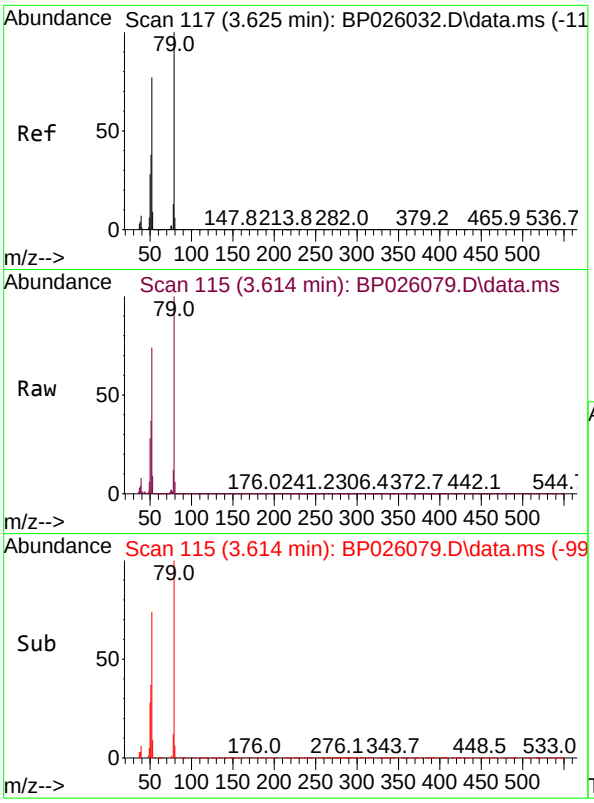


#2
1,4-Dioxane
Concen: 32.907 ng
RT: 3.231 min Scan# 50
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 88 Resp: 252458

Ion	Ratio	Lower	Upper
88	100		
58	79.9	65.4	98.0
43	27.6	23.1	34.7





#3
Pyridine
Concen: 31.871 ng
RT: 3.614 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 79 Resp: 695094

Ion	Ratio	Lower	Upper
79	100		
52	74.2	62.0	93.0
51	36.8	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

Manual Integrations
APPROVED

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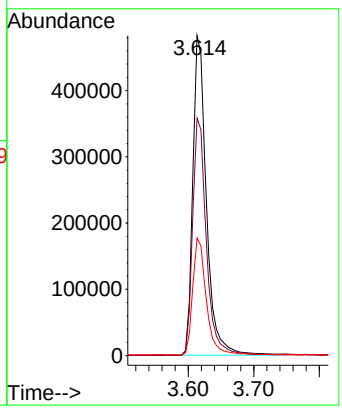
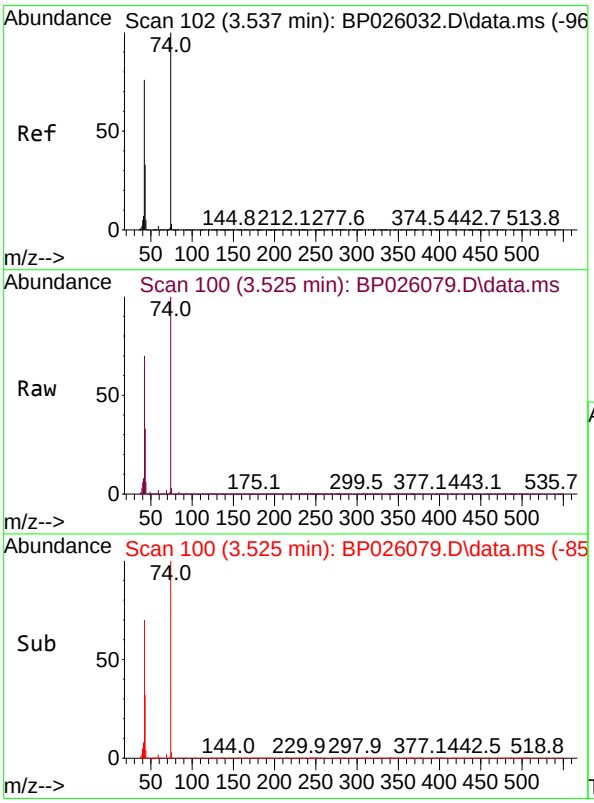
Supervised By :Jagrut Upadhyay 11/10/2025

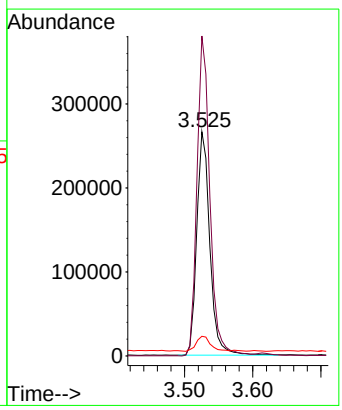


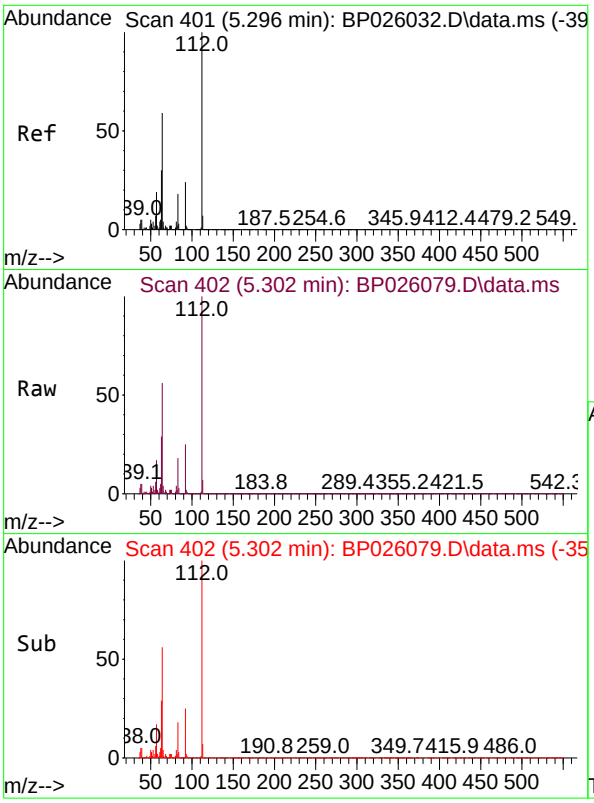


#4
n-Nitrosodimethylamine
Concen: 40.602 ng
RT: 3.525 min Scan# 100
Delta R.T. -0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 42 Resp: 354902

Ion	Ratio	Lower	Upper
42	100		
74	142.8	105.7	158.5
44	8.8	6.6	9.8





#5
2-Fluorophenol
Concen: 132.303 ng
RT: 5.302 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

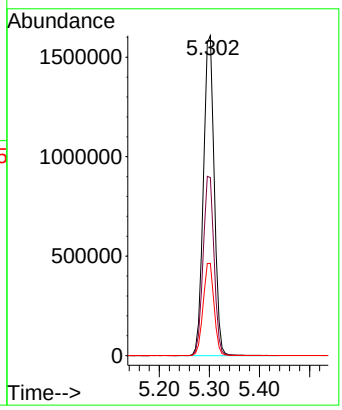
Tgt Ion:112 Resp: 240772

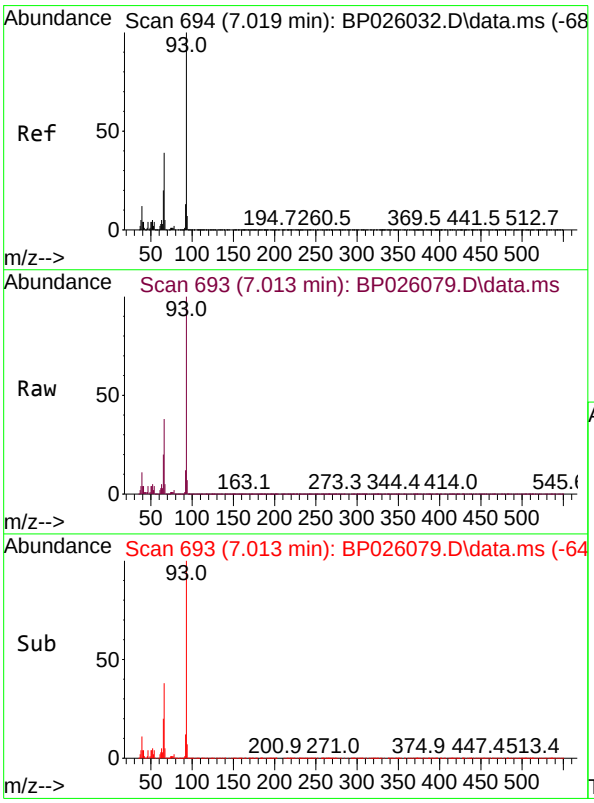
Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.4	71.2
63	28.8	24.2	36.4

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

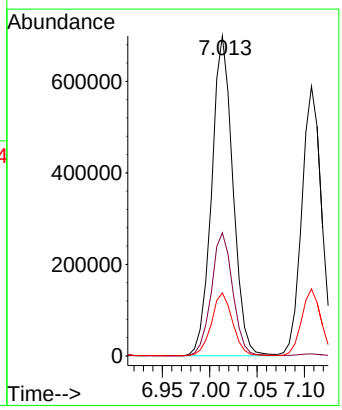


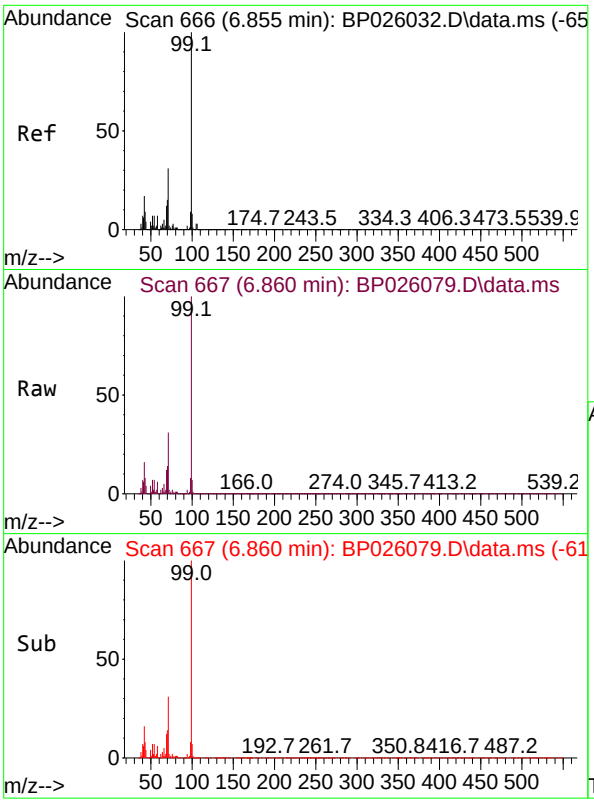


#6
Aniline
Concen: 35.299 ng
RT: 7.013 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 93 Resp: 1091236

Ion	Ratio	Lower	Upper
93	100		
66	38.5	31.2	46.8
65	19.7	16.1	24.1





#7
Phenol-d6
Concen: 134.331 ng
RT: 6.860 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

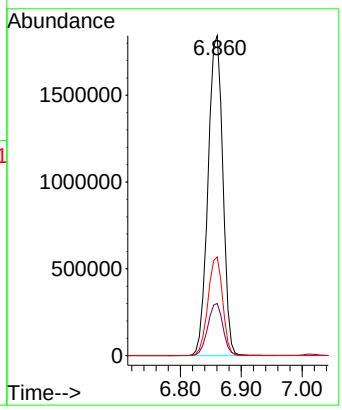
Tgt Ion: 99 Resp: 311152

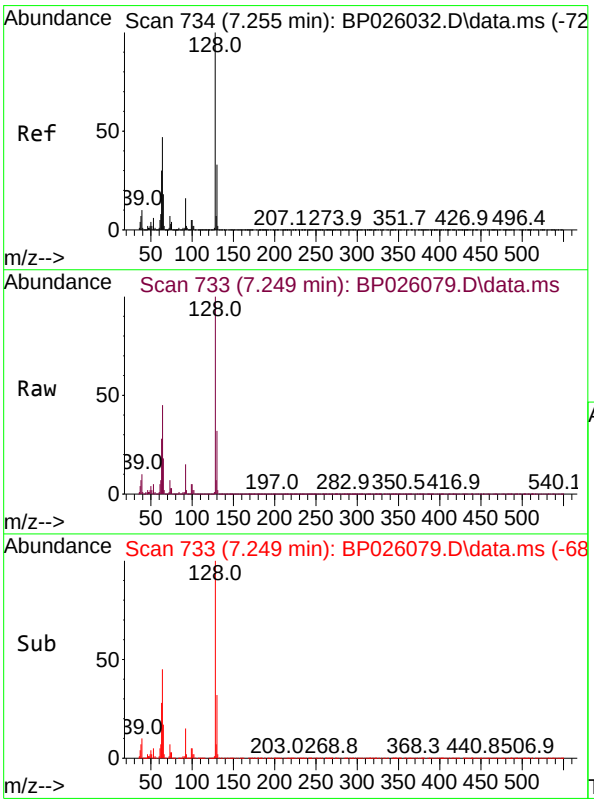
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.7	20.5
71	30.8	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

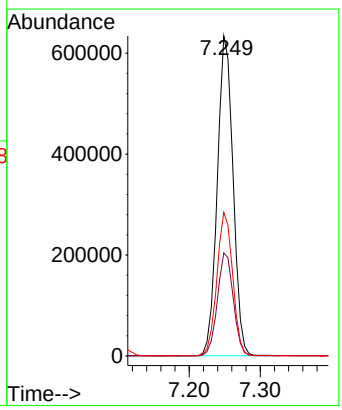


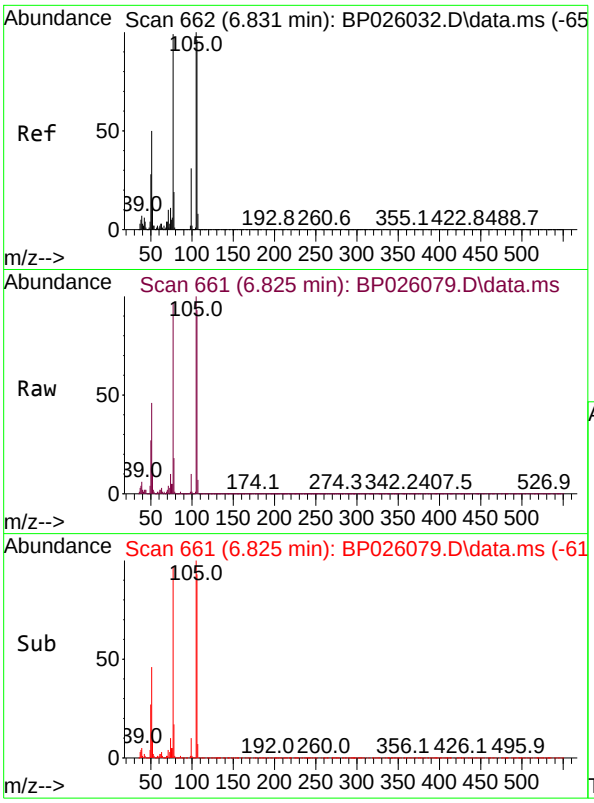


#8
2-Chlorophenol
Concen: 48.655 ng
RT: 7.249 min Scan# 733
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:128 Resp: 980493

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.7	52.7
64	44.8	27.4	67.4





#9
Benzaldehyde
Concen: 32.933 ng
RT: 6.825 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 77 Resp: 39654

Ion	Ratio	Lower	Upper
77	100		
105	102.9	80.7	120.7
106	96.1	76.5	116.5

Instrument :
BNA_P
ClientSampleId :
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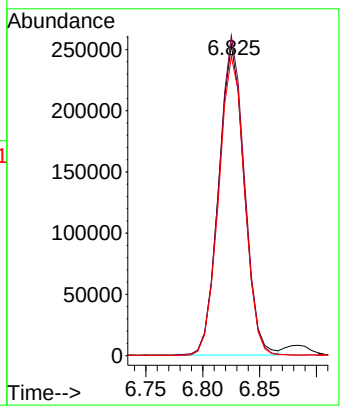
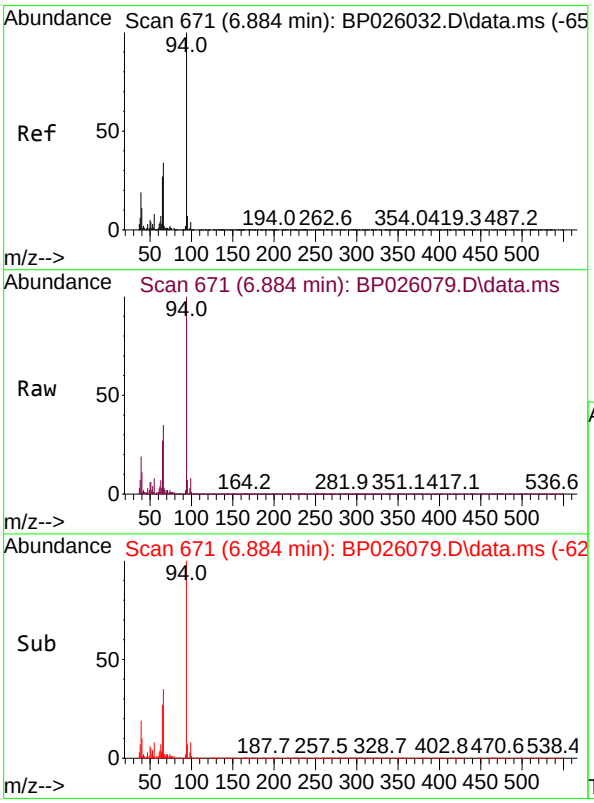
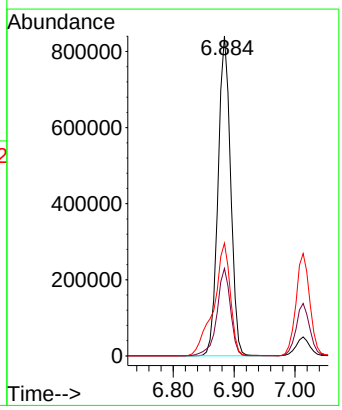


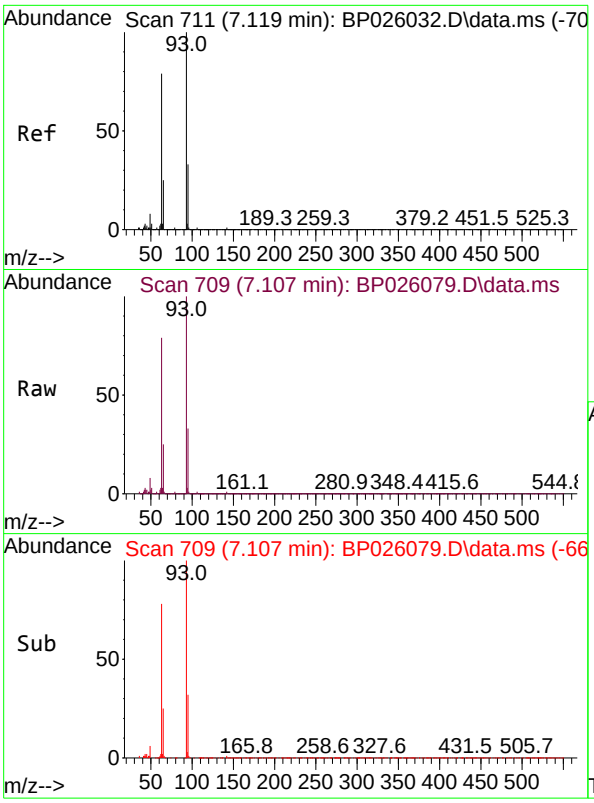


#10
Phenol
Concen: 46.950 ng
RT: 6.884 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 94 Resp: 1207329

Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.1	47.1
66	35.2	14.4	54.4





#11
bis(2-Chloroethyl)ether
Concen: 41.735 ng
RT: 7.107 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 93 Resp: 84697

Ion	Ratio	Lower	Upper
93	100		
63	78.8	59.1	99.1
95	32.5	12.6	52.6

Instrument :
BNA_P
ClientSampleId :
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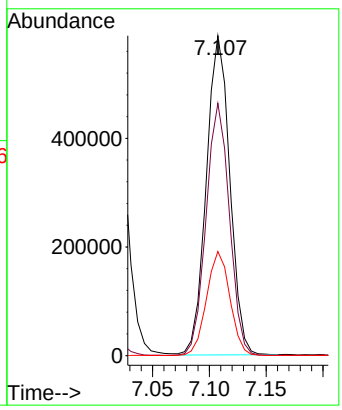
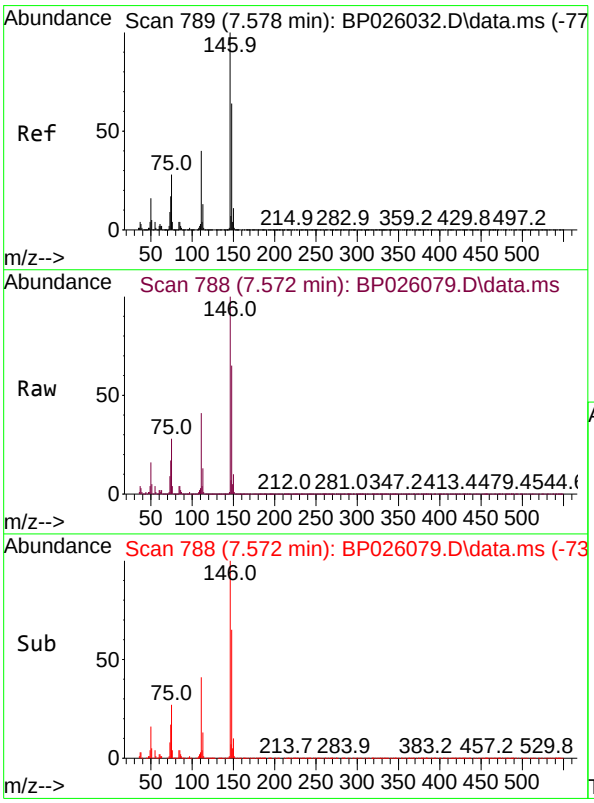
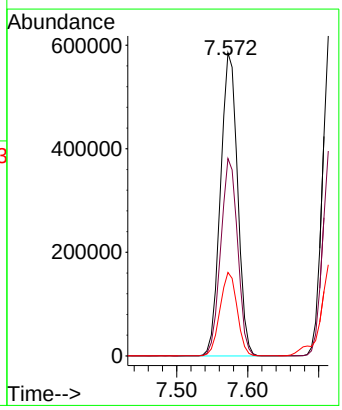


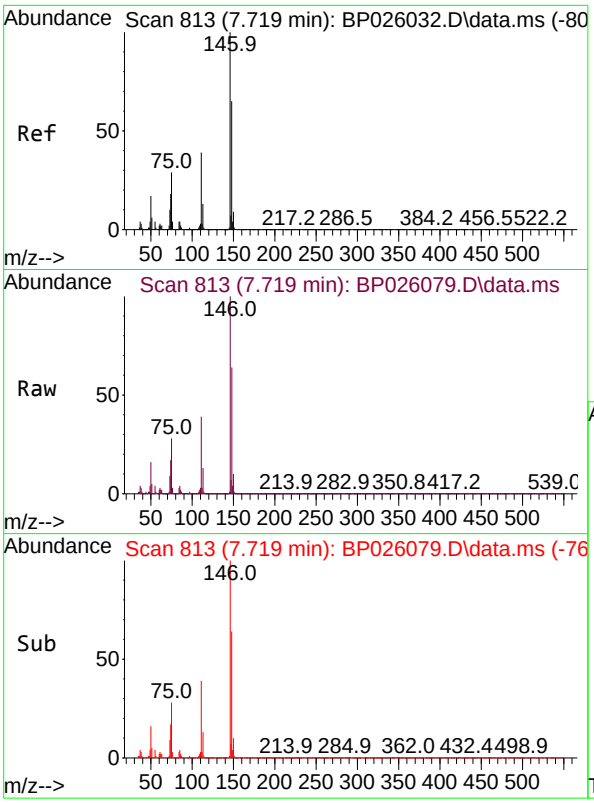


#12
1,3-Dichlorobenzene
Concen: 42.305 ng
RT: 7.572 min Scan# 788
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:146 Resp: 979064

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.6	77.4
75	27.5	22.6	33.8





#13
1,4-Dichlorobenzene
Concen: 42.977 ng
RT: 7.719 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:146 Resp: 100563

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.2	78.2
111	38.6	31.3	46.9

Instrument :
BNA_P
ClientSampleId :
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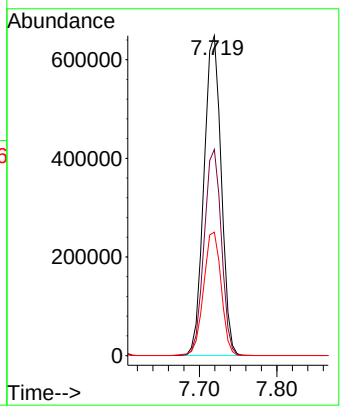
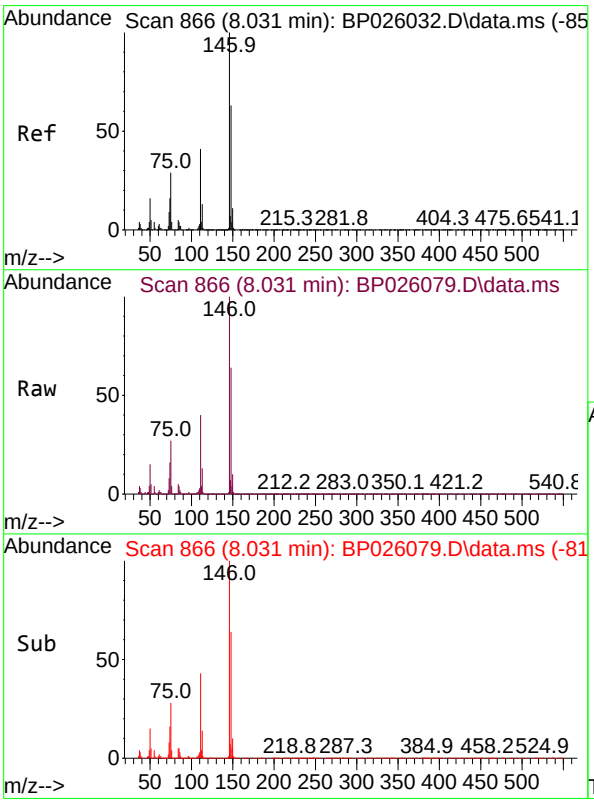
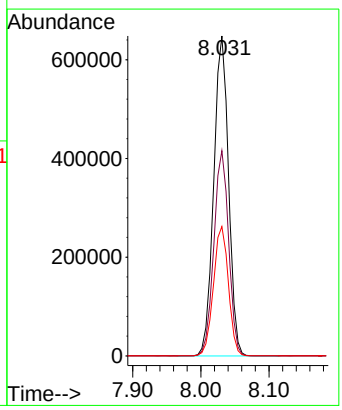


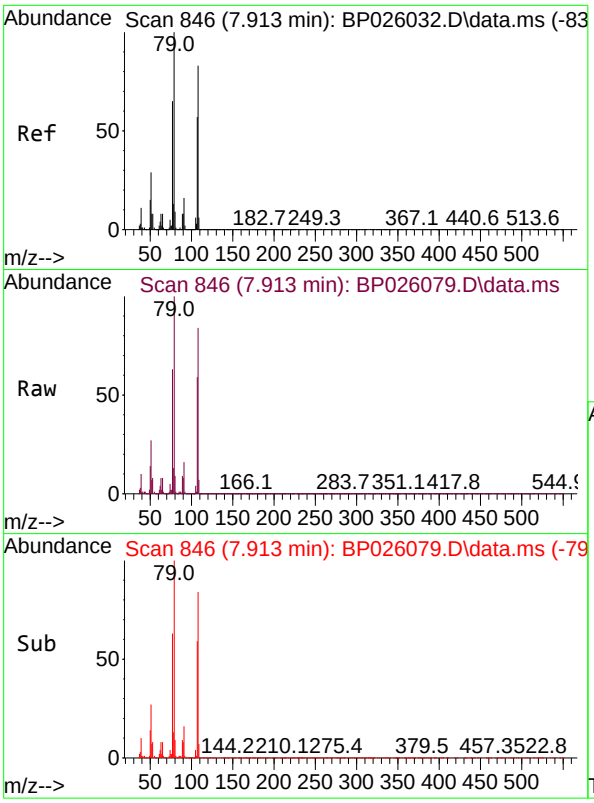


#14
1,2-Dichlorobenzene
Concen: 43.594 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:146 Resp: 973373

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	40.4	33.0	49.4





#15
Benzyl Alcohol
Concen: 48.817 ng
RT: 7.913 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 79 Resp: 815169

Ion	Ratio	Lower	Upper
79	100		
108	83.9	66.0	99.0
77	63.2	52.3	78.5

Instrument :
BNA_P
ClientSampleId :
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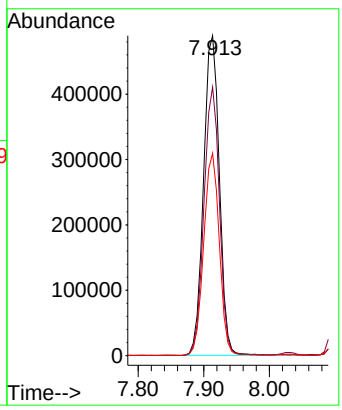
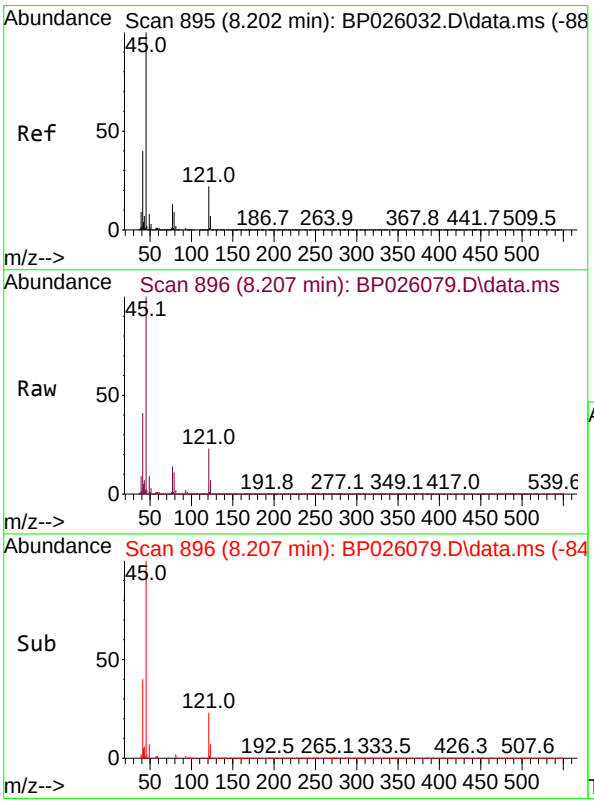
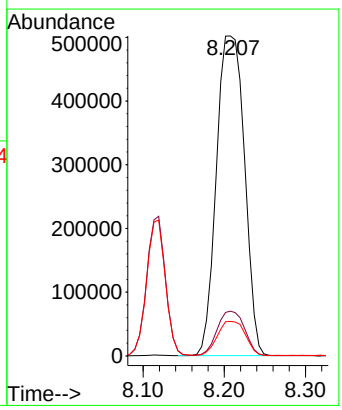


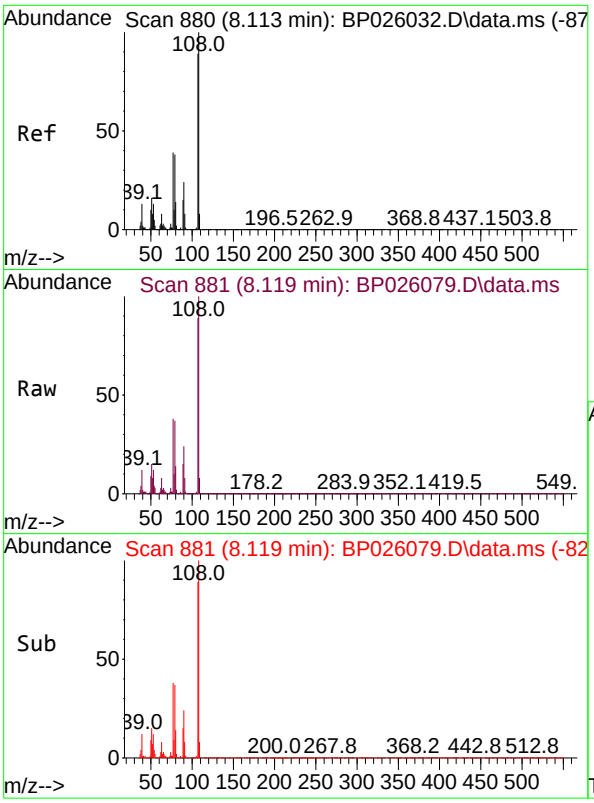


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.300 ng
RT: 8.207 min Scan# 896
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 45 Resp: 1205373

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	33.2
79	10.8	0.0	29.5

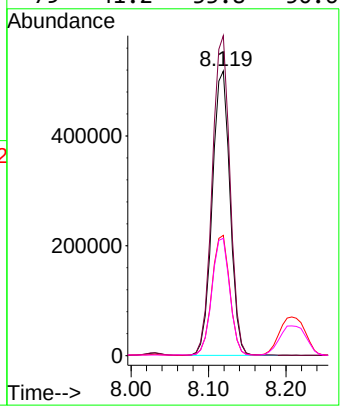




#17
2-Methylphenol
Concen: 49.180 ng
RT: 8.119 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:107 Resp: 828132

Ion	Ratio	Lower	Upper
107	100		
108	112.5	89.8	134.8
77	42.3	34.8	52.2
79	41.2	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
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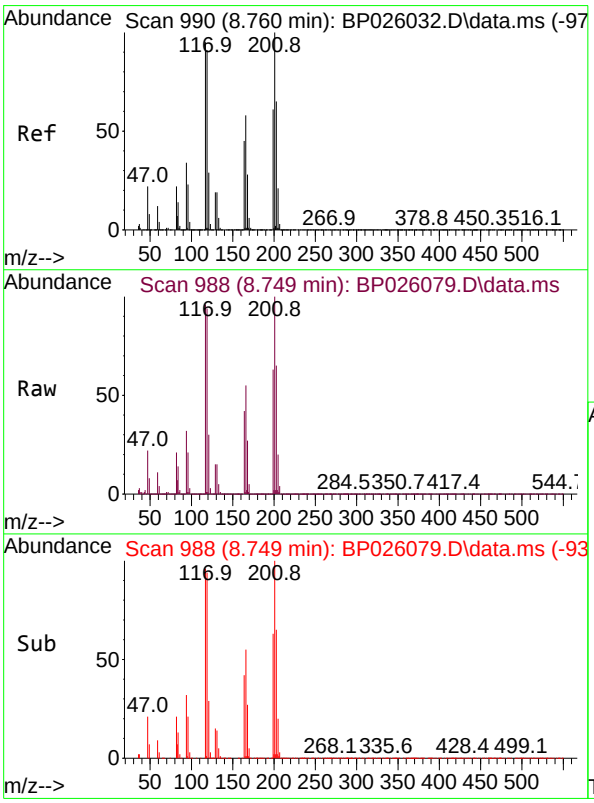
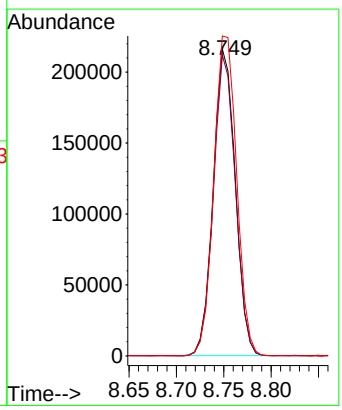
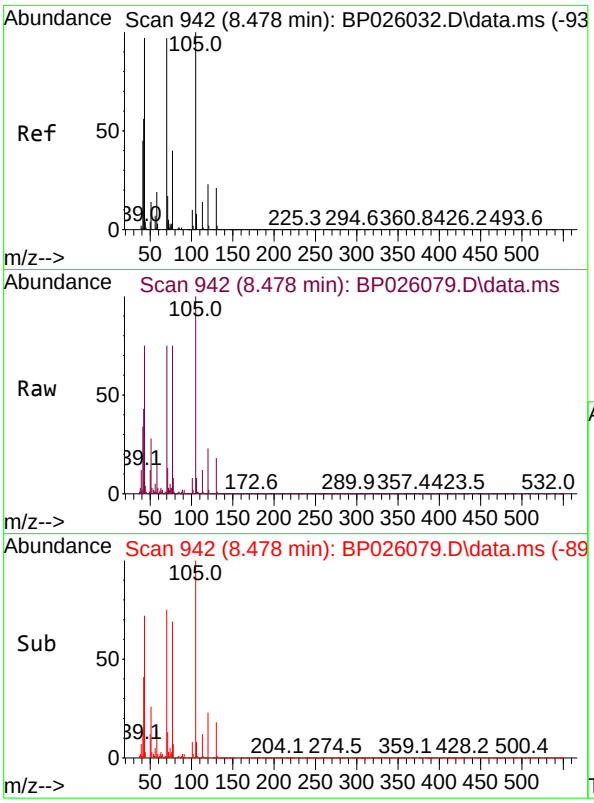


#18
Hexachloroethane
Concen: 43.719 ng
RT: 8.749 min Scan# 988
Delta R.T. -0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:117 Resp: 350060

Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.5	114.7
201	104.3	84.2	126.4





#19
n-Nitroso-di-n-propylamine
Concen: 45.391 ng
RT: 8.478 min Scan# 94
Delta R.T. -0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 70 Resp: 65266

Ion	Ratio	Lower	Upper
70	100		
42	57.8	47.2	70.8
101	10.7	8.2	12.2
130	24.2	17.7	26.5

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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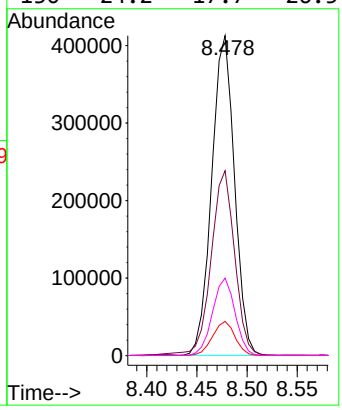
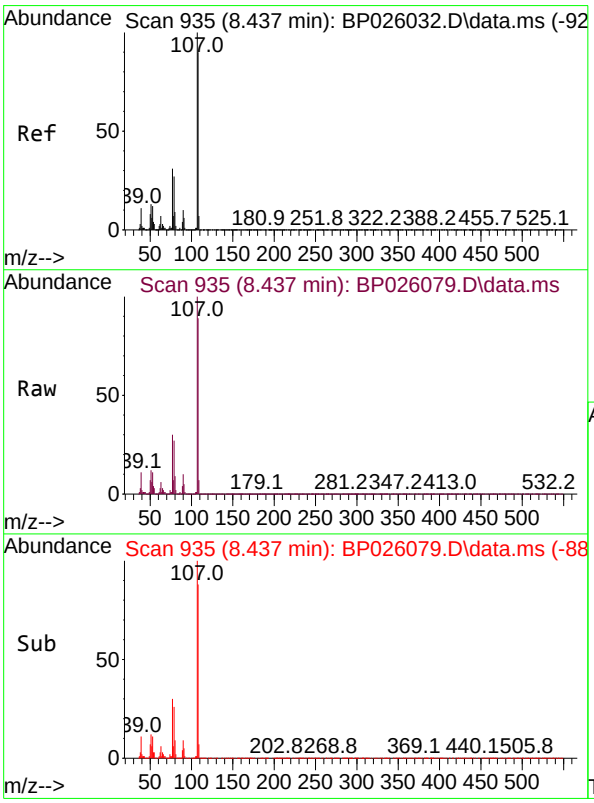
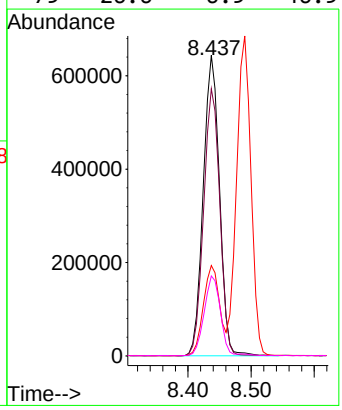


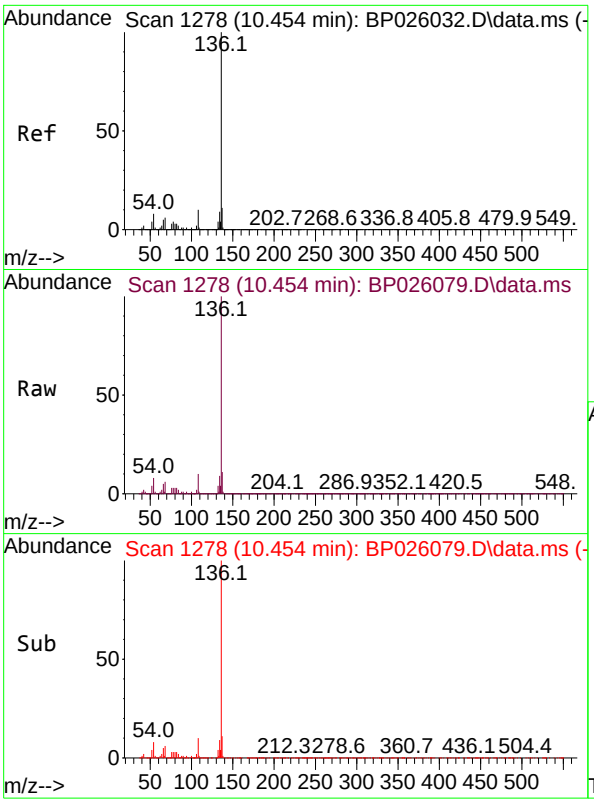


#20
3+4-Methylphenols
Concen: 49.003 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:107 Resp: 1147915

Ion	Ratio	Lower	Upper
107	100		
108	88.9	70.1	110.1
77	30.1	10.7	50.7
79	26.6	6.9	46.9

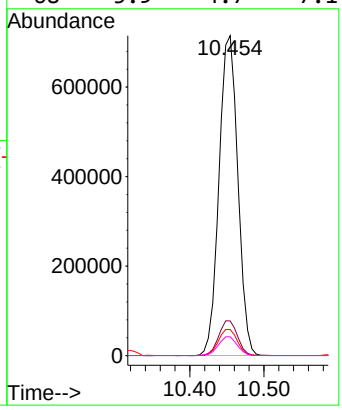




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:136 Resp: 126002

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.1	6.6	10.0
68	5.9	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
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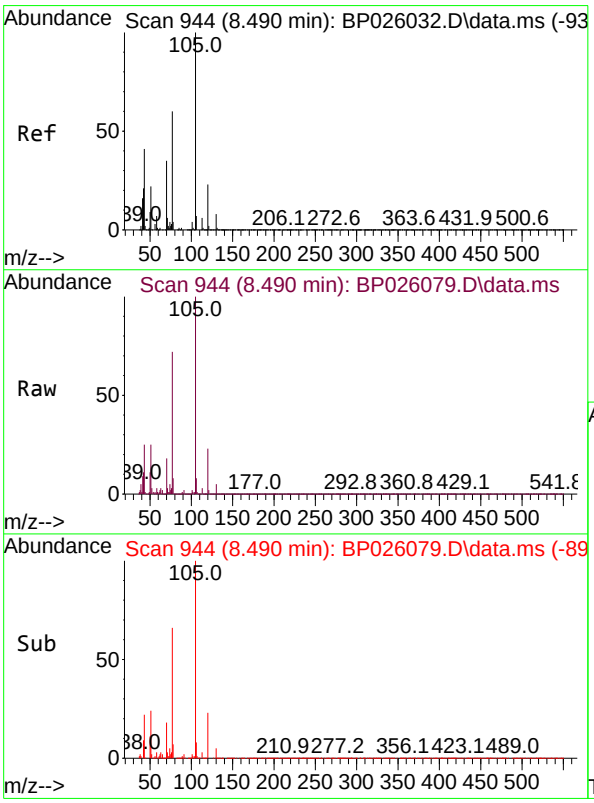
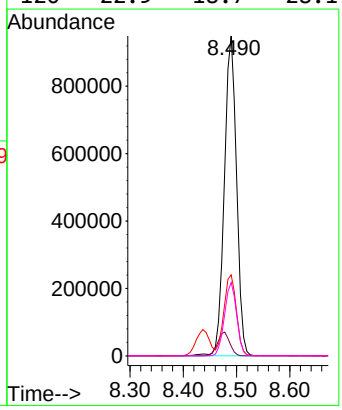
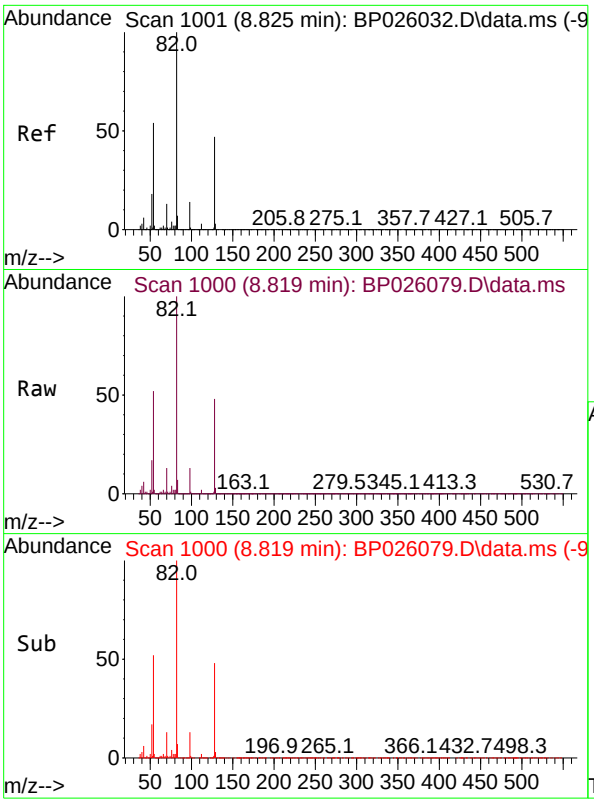


#22
Acetophenone
Concen: 47.323 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:105 Resp: 1508040

Ion	Ratio	Lower	Upper
105	100		
71	3.1	4.7	7.1#
51	25.3	21.8	32.8
120	22.9	18.7	28.1





#23
Nitrobenzene-d5
Concen: 86.121 ng
RT: 8.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 82 Resp: 174069

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.4	56.0
54	51.9	42.7	64.1

Instrument :
BNA_P
ClientSampleId :
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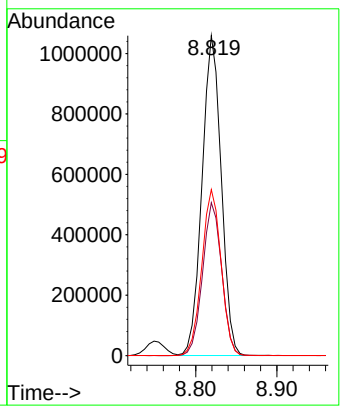
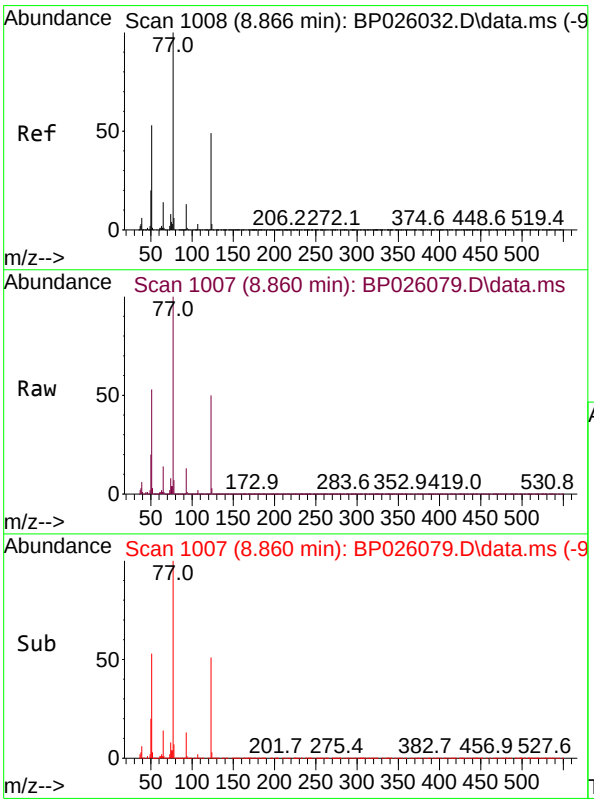
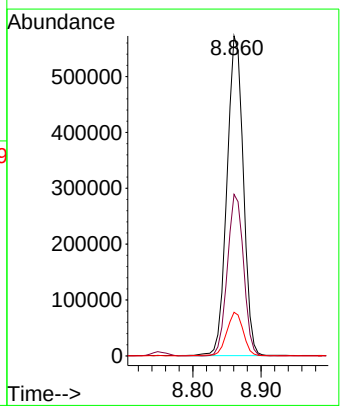


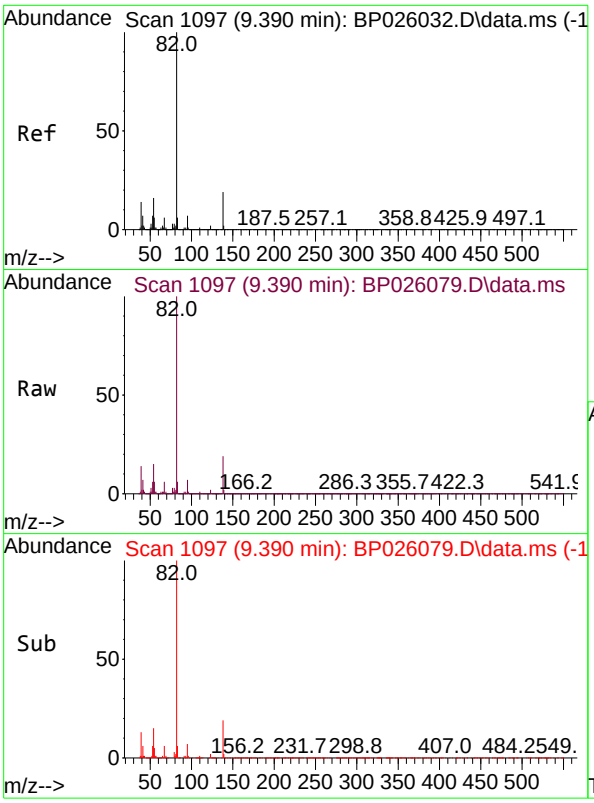


#24
Nitrobenzene
Concen: 44.480 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 77 Resp: 949232

Ion	Ratio	Lower	Upper
77	100		
123	50.5	39.0	58.4
65	13.6	10.9	16.3





#25
Isophorone
Concen: 43.899 ng
RT: 9.390 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 82 Resp: 189919

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	18.9	15.0	22.6

Instrument :
BNA_P
ClientSampleId :
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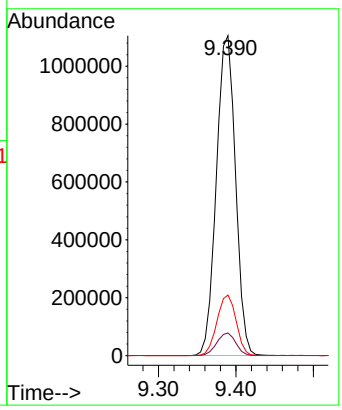
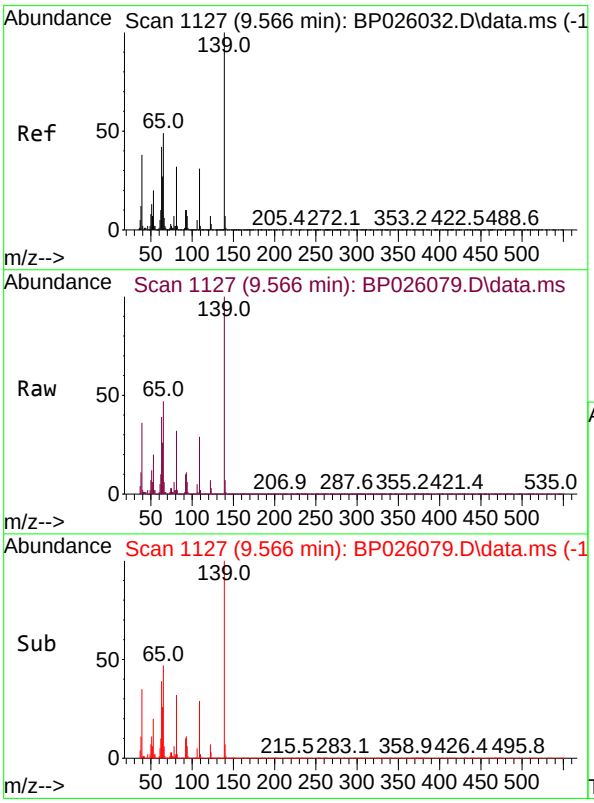
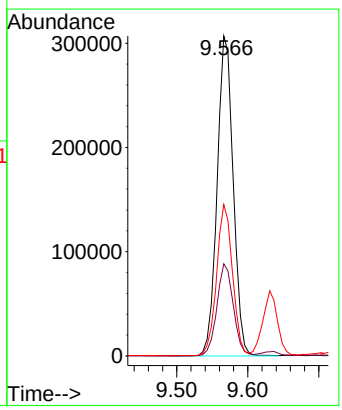


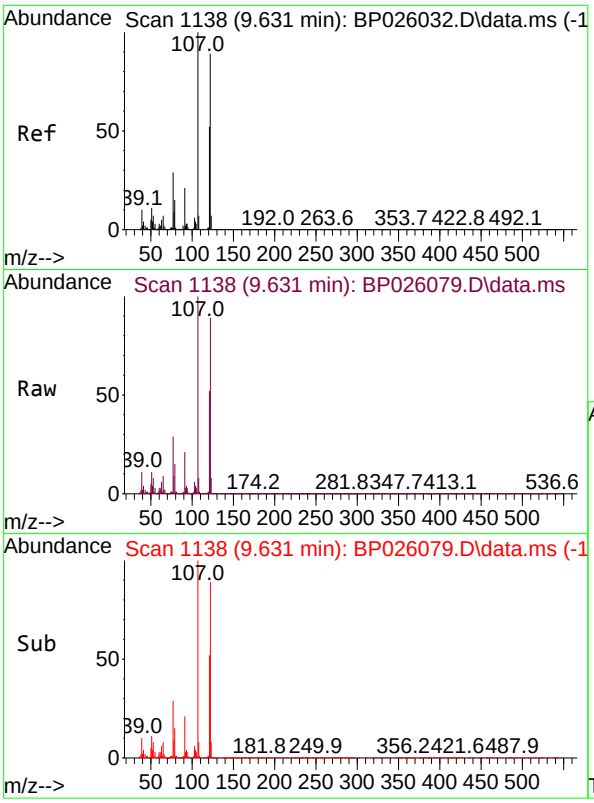


#26
2-Nitrophenol
Concen: 60.817 ng
RT: 9.566 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:139 Resp: 483675

Ion	Ratio	Lower	Upper
139	100		
109	28.8	24.8	37.2
65	47.3	39.0	58.4





#27
2,4-Dimethylphenol
Concen: 51.821 ng
RT: 9.631 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:122 Resp: 94276

Ion	Ratio	Lower	Upper
122	100		
107	113.0	89.2	133.8
121	58.9	46.3	69.5

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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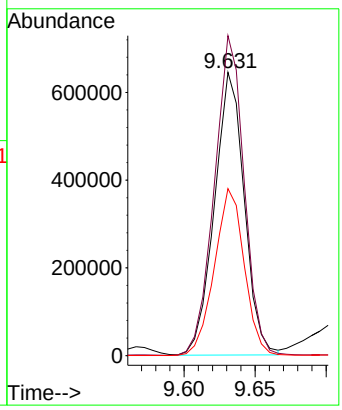
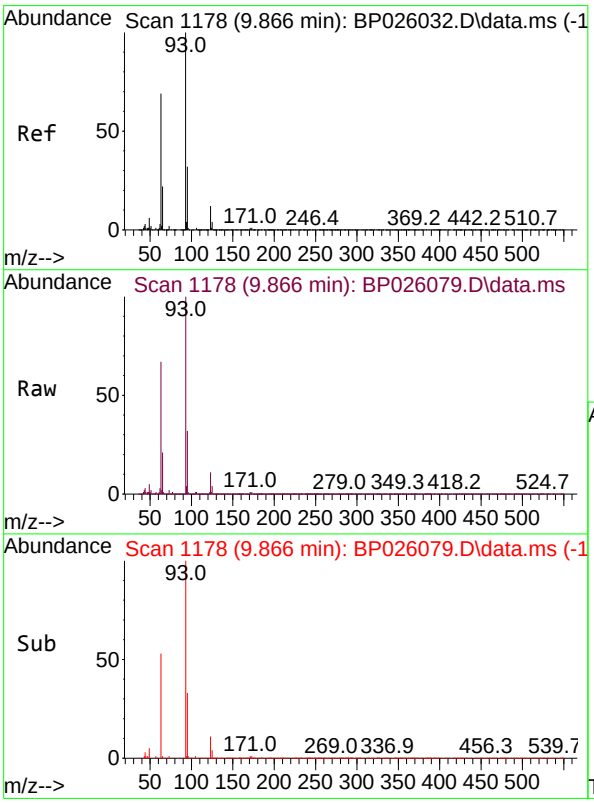
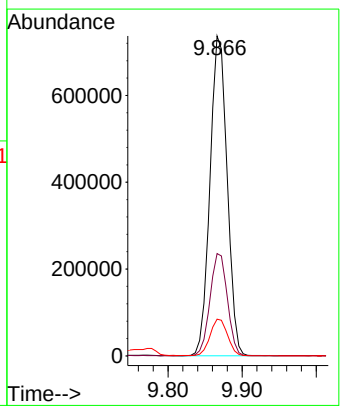


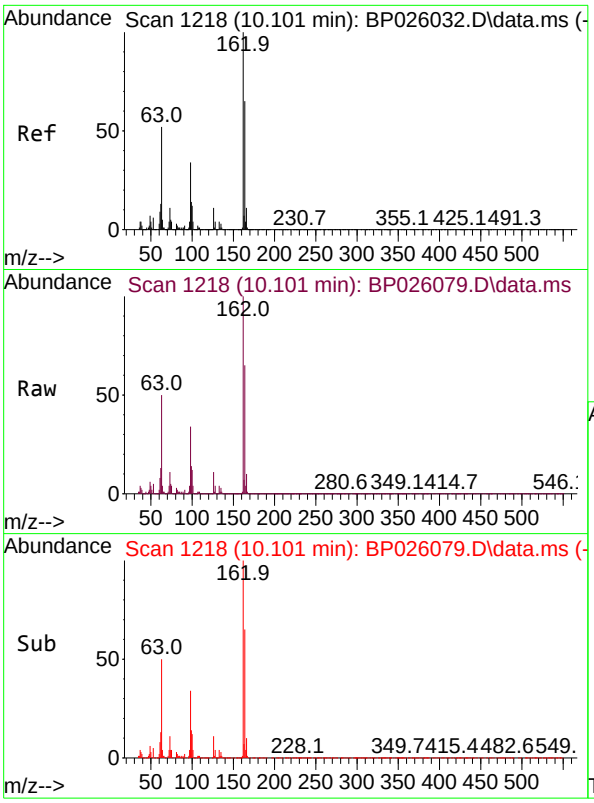


#28
bis(2-Chloroethoxy)methane
Concen: 43.501 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 93 Resp: 1186049

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.6
123	11.5	9.3	13.9





#29
2,4-Dichlorophenol
Concen: 50.568 ng
RT: 10.101 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:162 Resp: 97136

Ion	Ratio	Lower	Upper
162	100		
164	65.5	44.6	84.6
98	34.4	14.0	54.0

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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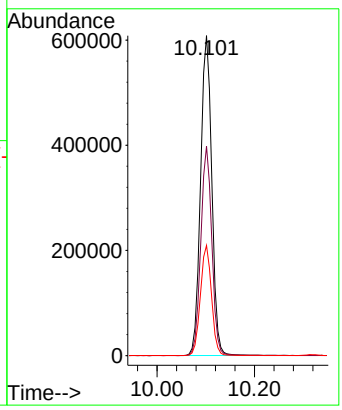
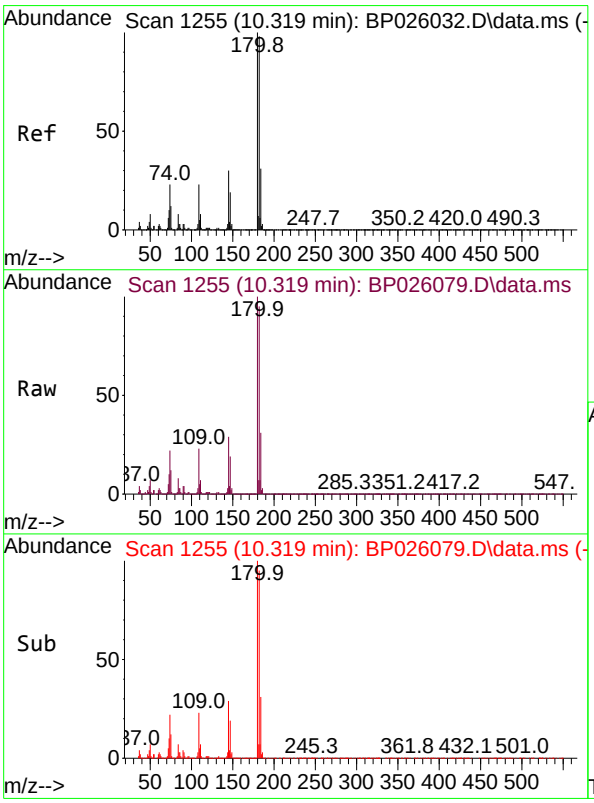
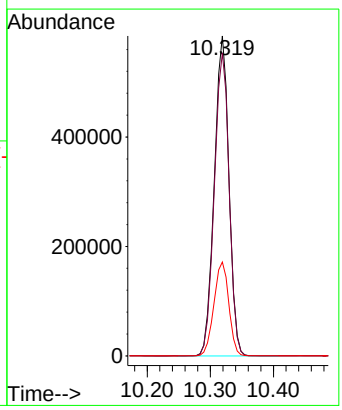


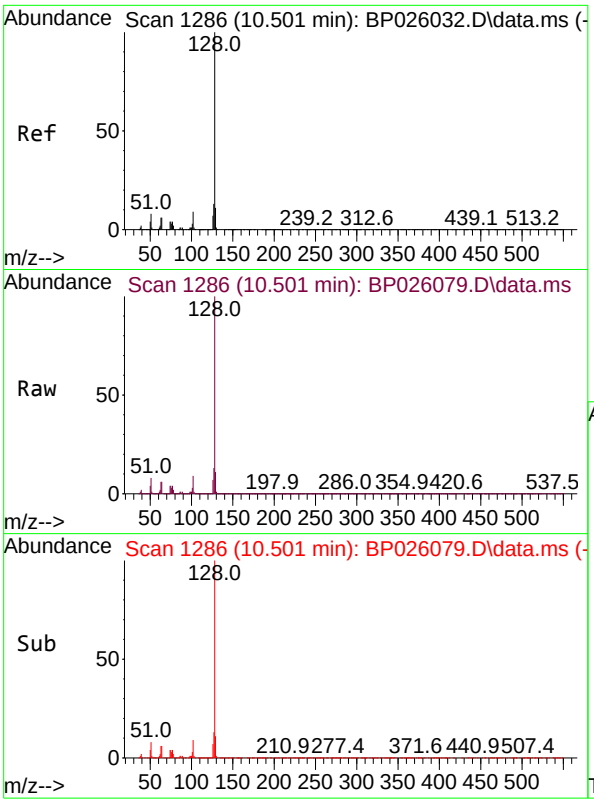


#30
1,2,4-Trichlorobenzene
Concen: 45.127 ng
RT: 10.319 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:180 Resp: 942195

Ion	Ratio	Lower	Upper
180	100		
182	94.7	78.6	117.8
145	29.3	24.2	36.4





#31
Naphthalene
Concen: 41.874 ng
RT: 10.501 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:128 Resp: 287719

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.1	10.5	15.7

Instrument :
BNA_P
ClientSampleId :
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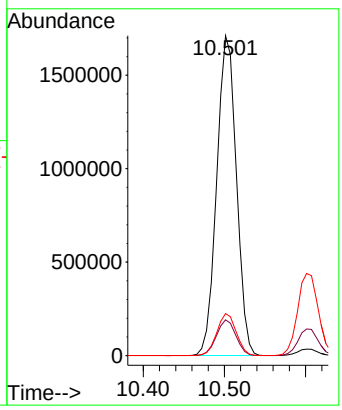
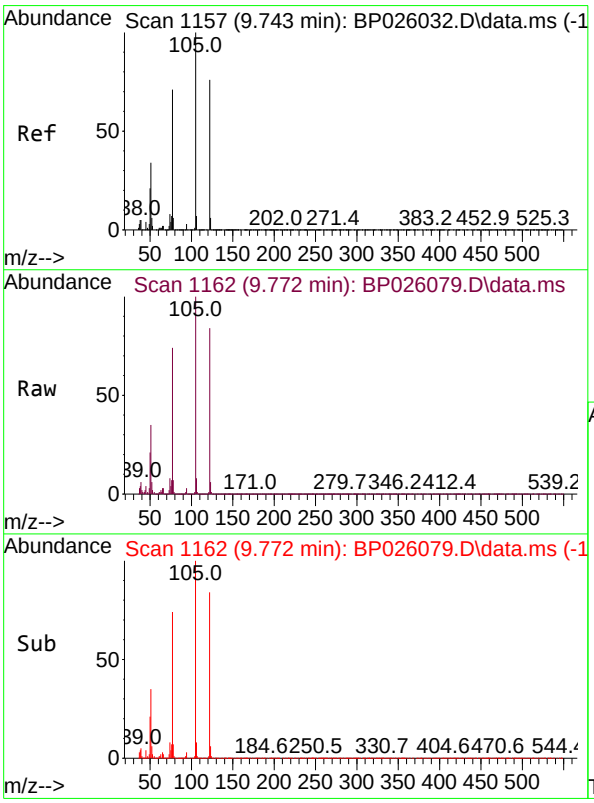
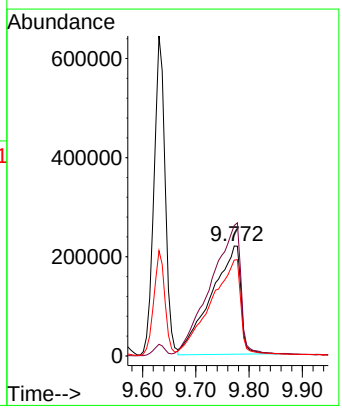


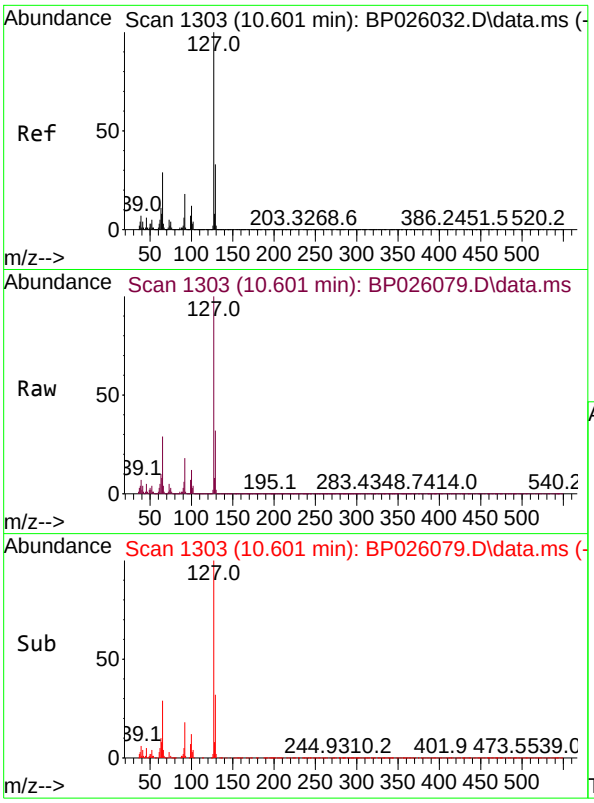


#32
Benzoic acid
Concen: 67.173 ng
RT: 9.772 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:122 Resp: 845596

Ion	Ratio	Lower	Upper
122	100		
105	118.6	104.8	144.8
77	87.3	70.9	110.9





#33
4-Chloroaniline
Concen: 29.508 ng
RT: 10.601 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:127 Resp: 77912

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	28.9	23.2	34.8
92	18.3	14.5	21.7

Instrument :
BNA_P
ClientSampleId :
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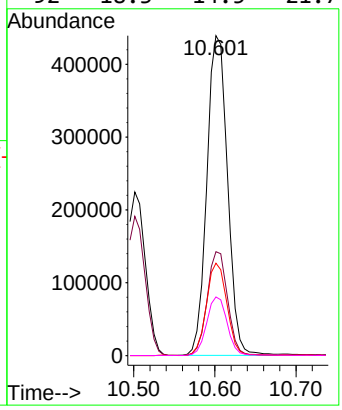
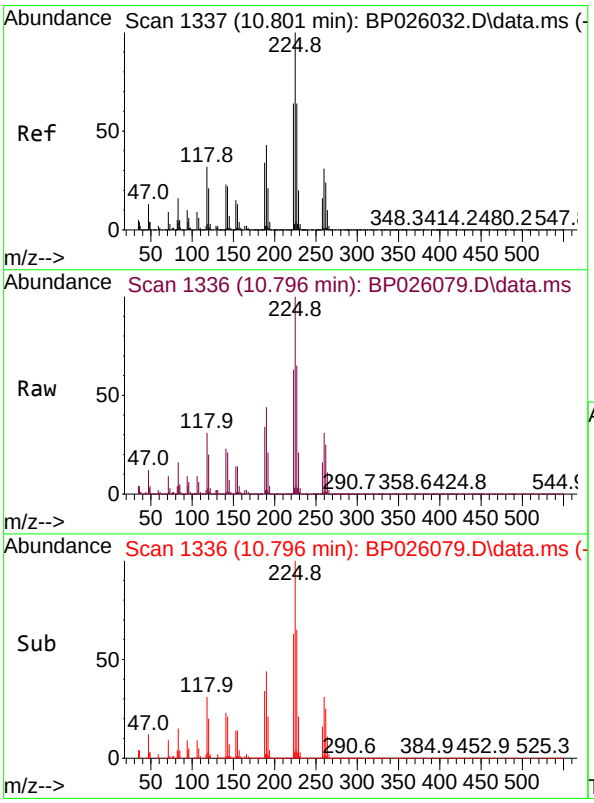
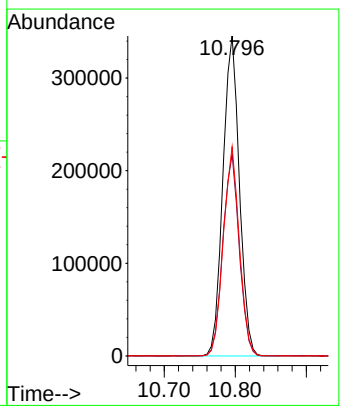


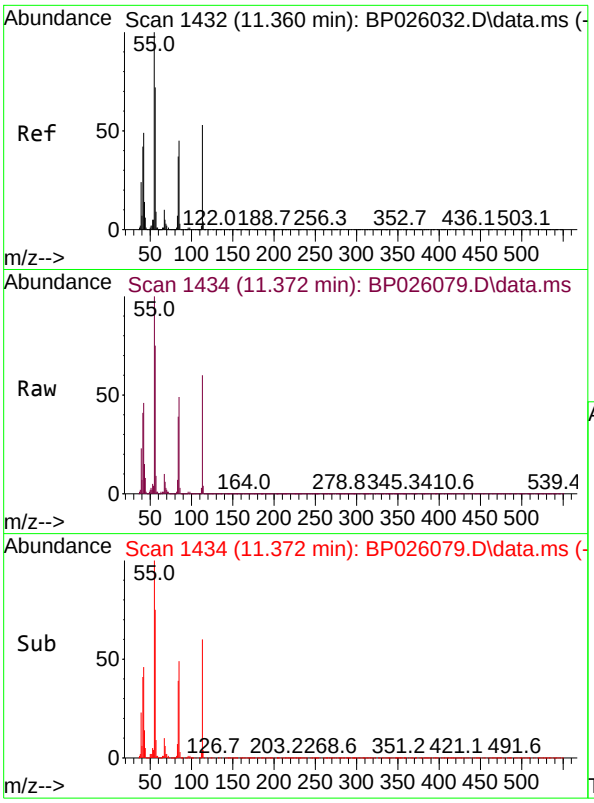


#34
Hexachlorobutadiene
Concen: 41.975 ng
RT: 10.796 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:225 Resp: 556926

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.9	76.3
227	65.4	51.0	76.4





#35
Caprolactam
Concen: 53.490 ng m
RT: 11.372 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:113 Resp: 360818

Ion	Ratio	Lower	Upper
113	100		
55	167.1	169.9	209.9
56	124.9	116.7	156.7

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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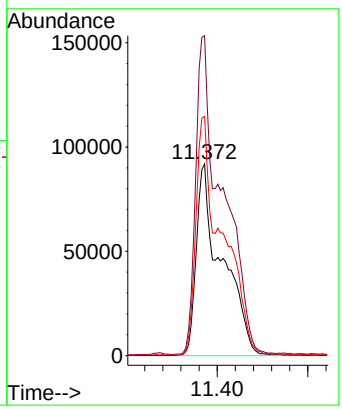
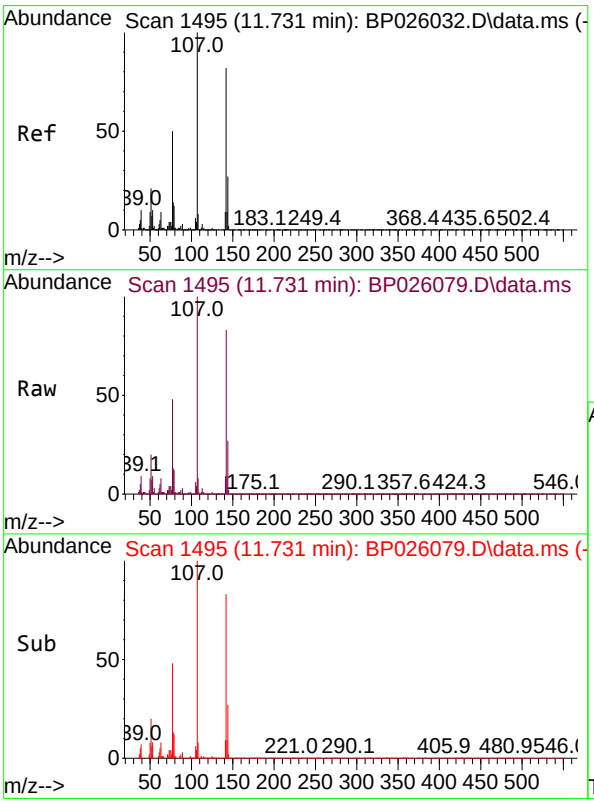
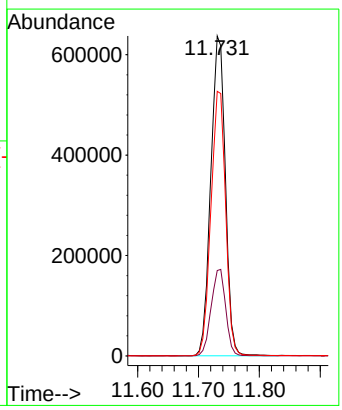


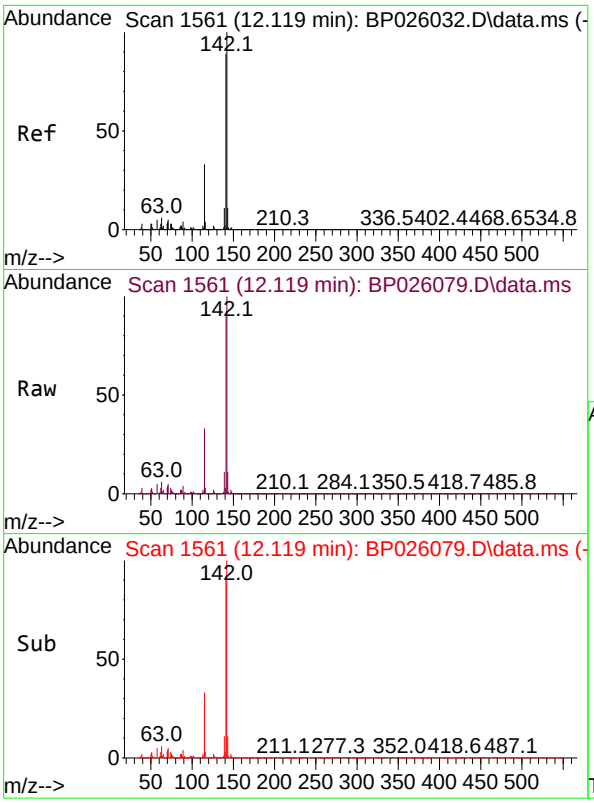


#36
4-Chloro-3-methylphenol
Concen: 52.714 ng
RT: 11.731 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:107 Resp: 1061481

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.3	31.9
142	82.7	65.2	97.8





#37
2-Methylnaphthalene
Concen: 39.922 ng
RT: 12.119 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:142 Resp: 1919899

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.6	107.4
115	32.7	26.6	39.8

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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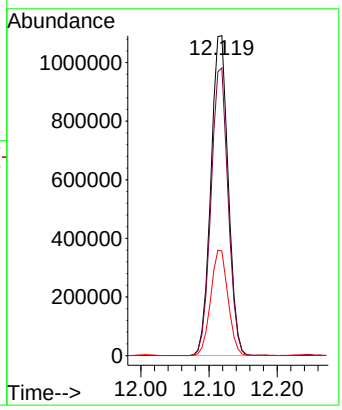
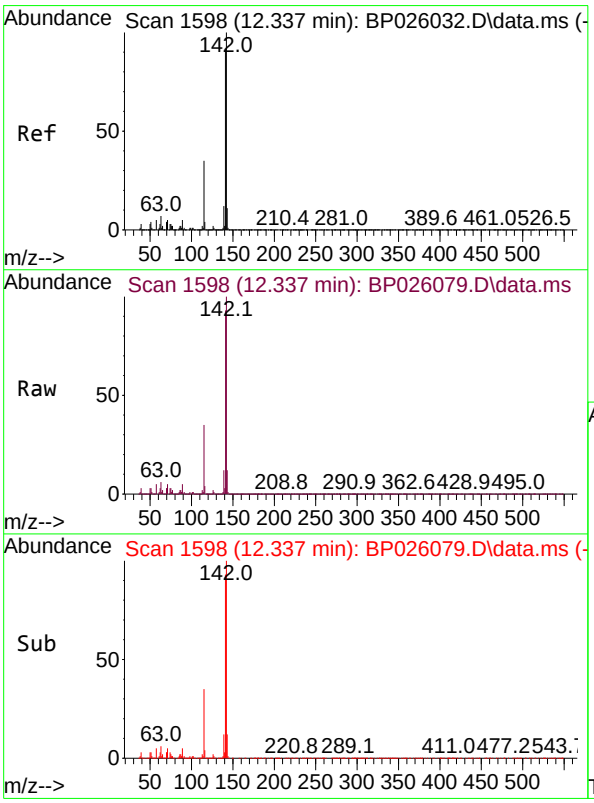
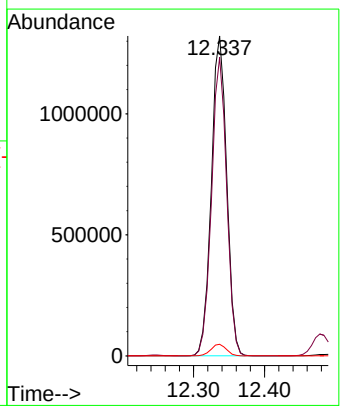


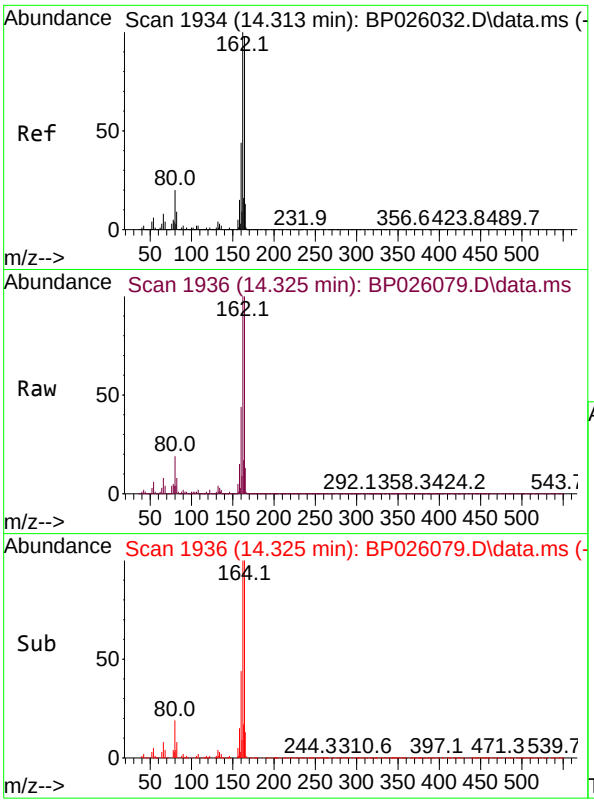


#38
1-Methylnaphthalene
Concen: 42.433 ng
RT: 12.337 min Scan# 1598
Delta R.T. 0.001 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:142 Resp: 1982527

Ion	Ratio	Lower	Upper
142	100		
141	93.3	72.7	109.1
116	3.6	2.9	4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.325 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:164 Resp: 853804

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.5	122.3
160	44.5	36.2	54.4

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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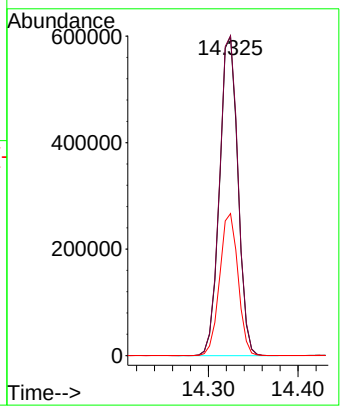
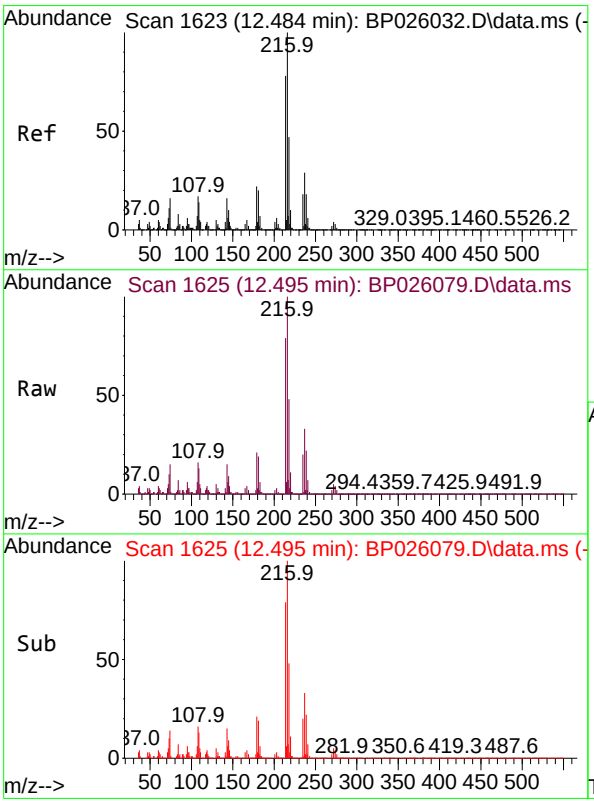
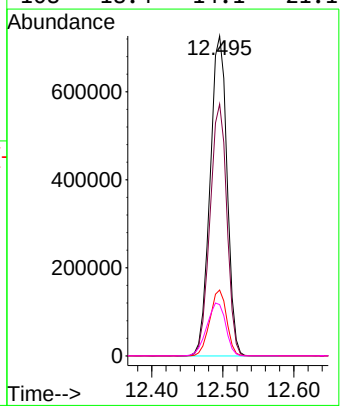


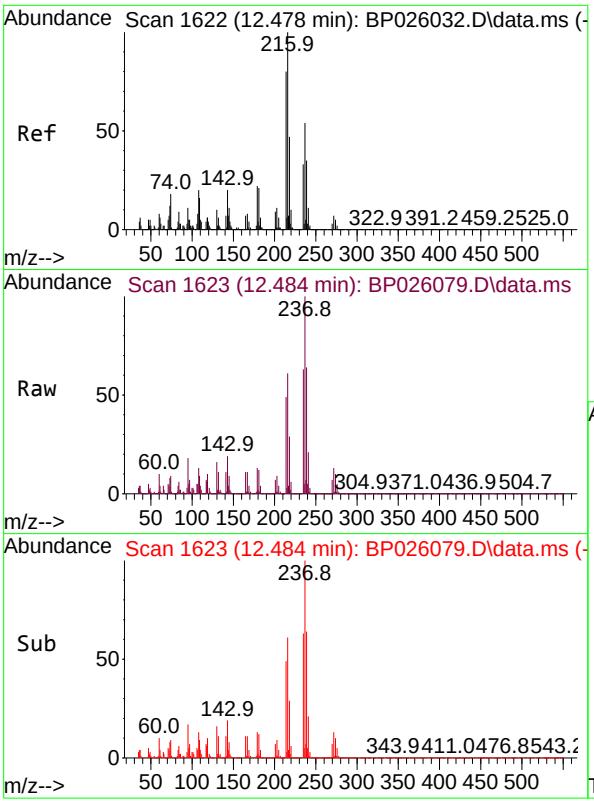


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.426 ng
RT: 12.495 min Scan# 1625
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:216 Resp: 1205103

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.9	94.3
179	20.4	16.9	25.3
108	18.4	14.1	21.1





#41
Hexachlorocyclopentadiene
Concen: 124.561 ng
RT: 12.484 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:237 Resp: 120903

Ion	Ratio	Lower	Upper
237	100		
235	62.9	40.4	80.4
272	13.2	0.0	32.2

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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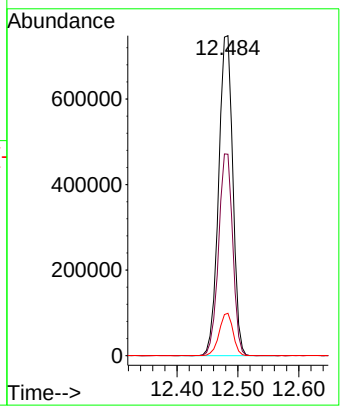
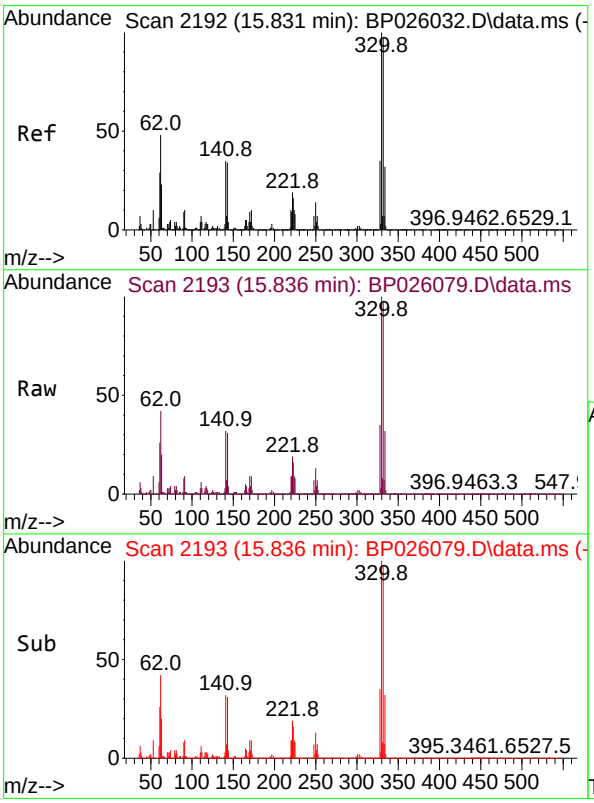
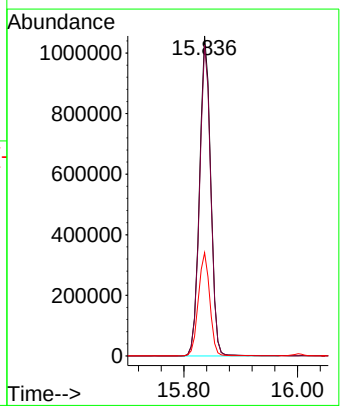


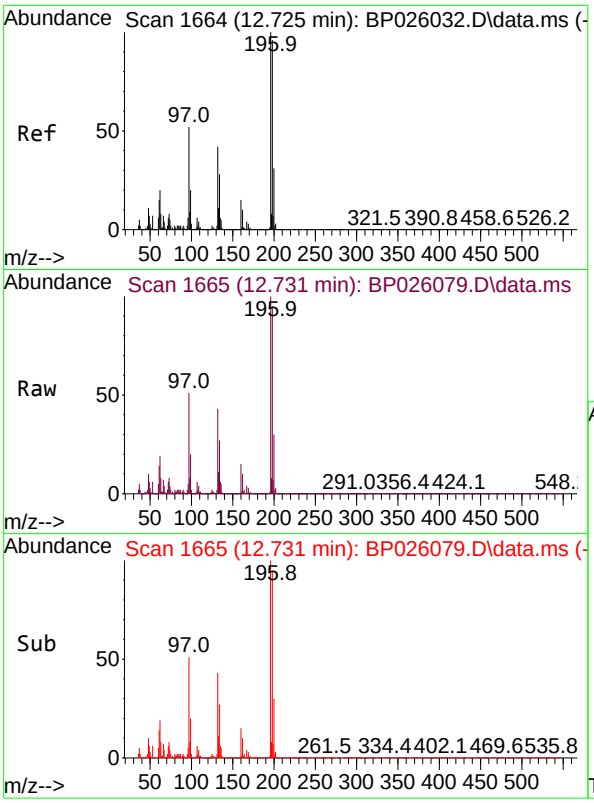


#42
2,4,6-Tribromophenol
Concen: 155.192 ng
RT: 15.836 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:330 Resp: 1432494

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	32.8	28.6	42.8





#43
2,4,6-Trichlorophenol
Concen: 51.992 ng
RT: 12.731 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:196 Resp: 81526

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.5	114.7
200	30.4	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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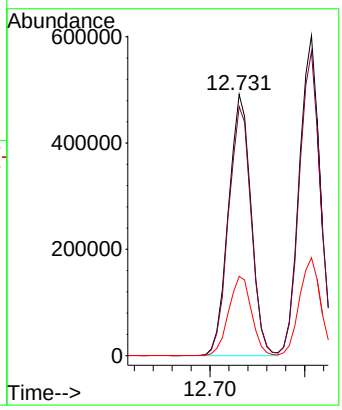
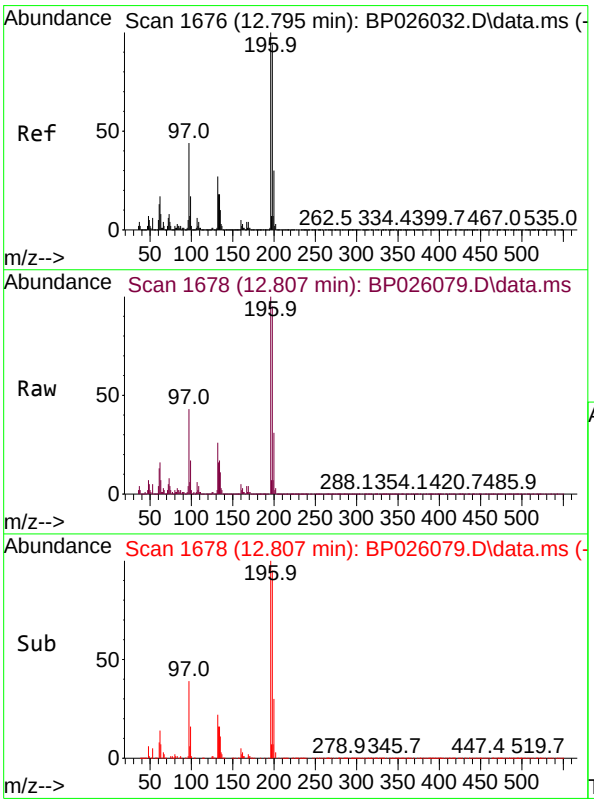
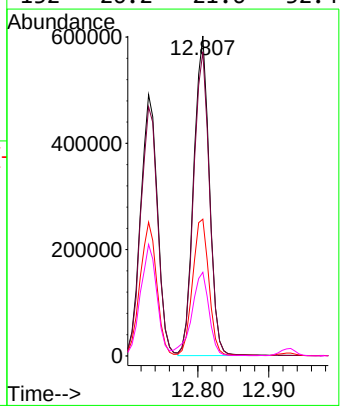


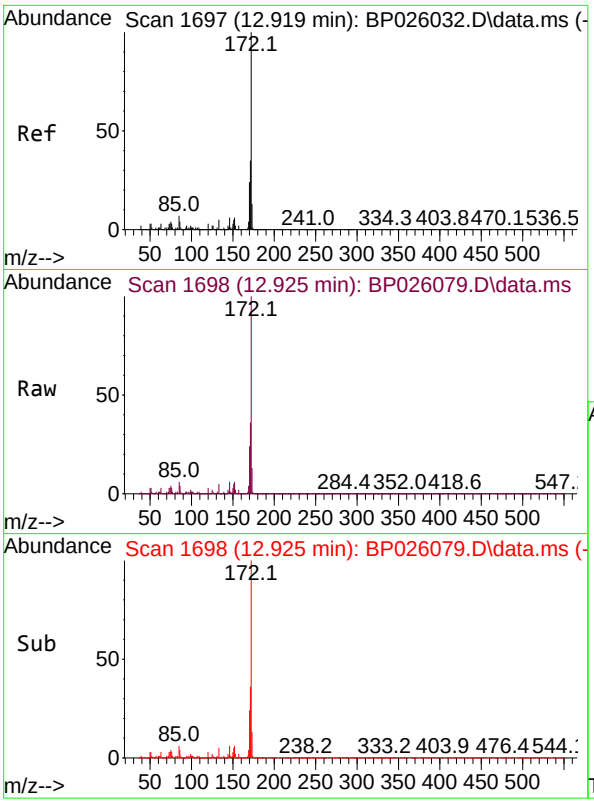


#44
2,4,5-Trichlorophenol
Concen: 51.266 ng
RT: 12.807 min Scan# 1678
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:196 Resp: 917274

Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.1	112.7
97	42.7	35.5	53.3
132	26.2	21.6	32.4





#45
2-Fluorobiphenyl
Concen: 76.579 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:172 Resp: 455022

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.9	41.9
170	23.6	19.0	28.4

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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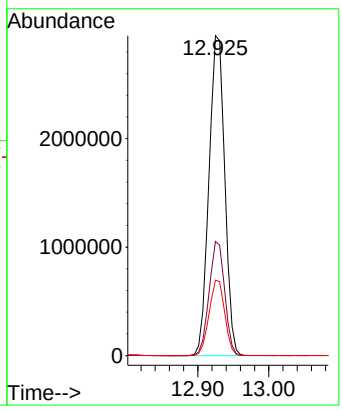
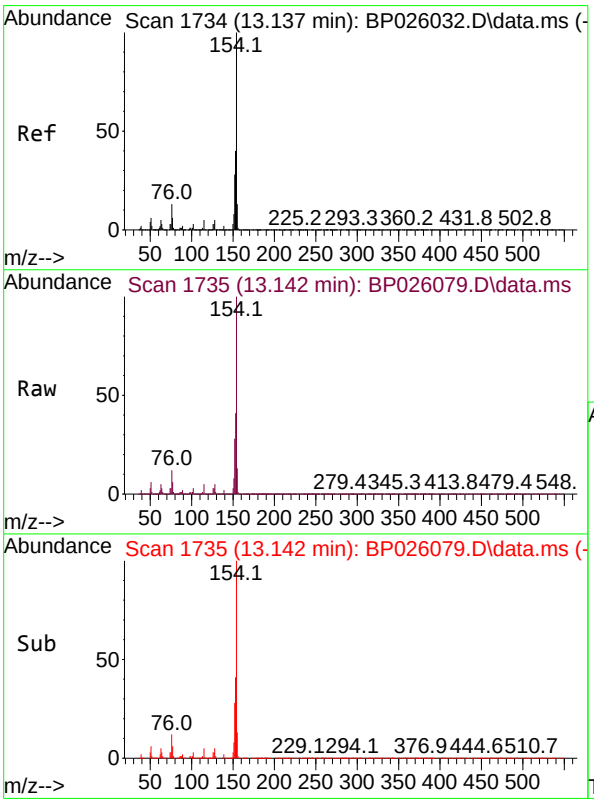
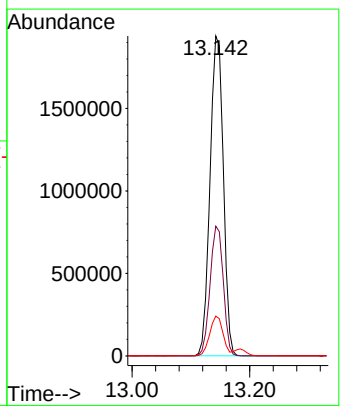


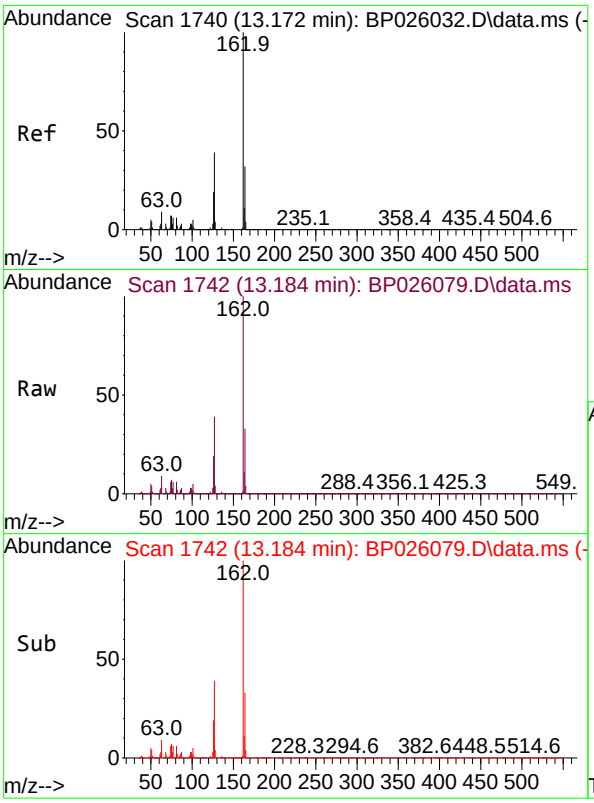


#46
1,1'-Biphenyl
Concen: 46.650 ng
RT: 13.142 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:154 Resp: 3049794

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.2	60.2
76	12.4	0.0	32.8





#47
2-Chloronaphthalene
Concen: 41.078 ng
RT: 13.184 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:162 Resp: 211293

Ion	Ratio	Lower	Upper
162	100		
127	39.0	31.4	47.2
164	33.4	25.9	38.9

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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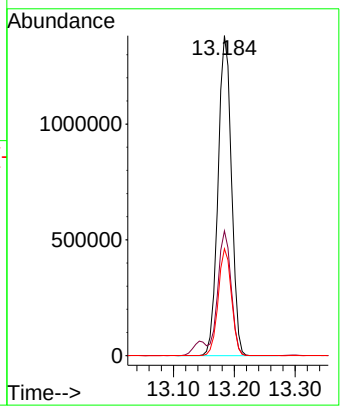
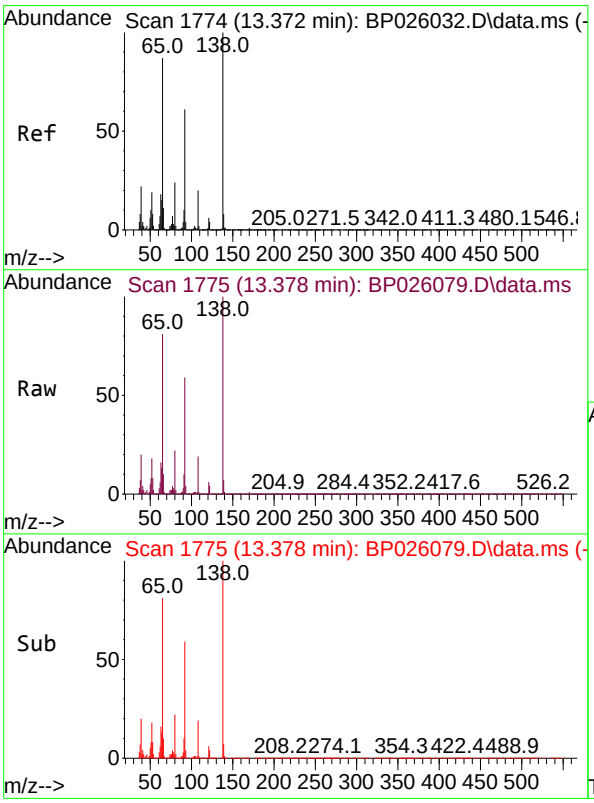
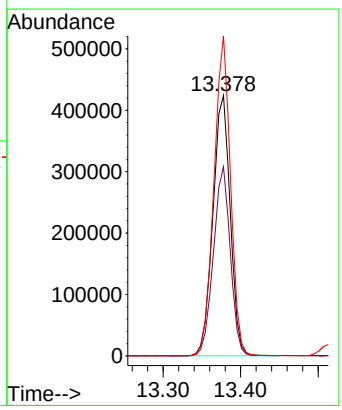


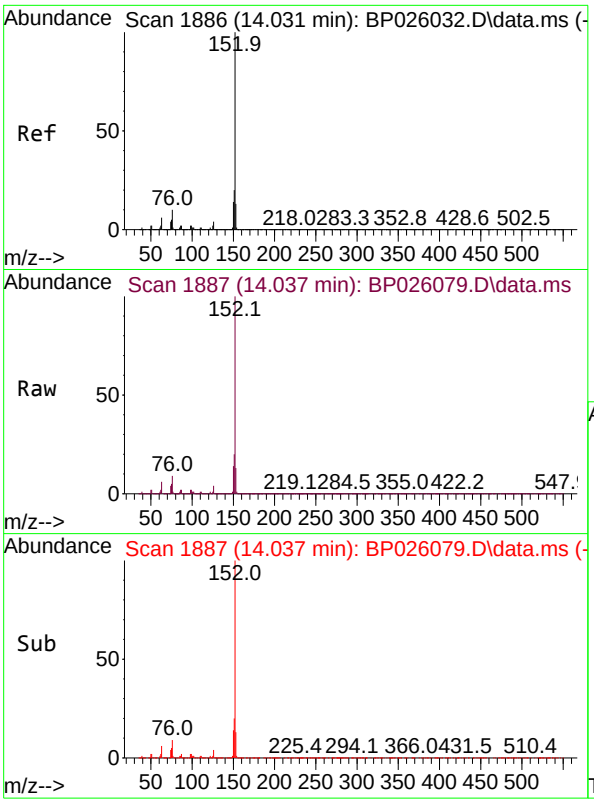


#48
2-Nitroaniline
Concen: 49.667 ng
RT: 13.378 min Scan# 1775
Delta R.T. -0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 65 Resp: 658887

Ion	Ratio	Lower	Upper
65	100		
92	72.6	55.5	83.3
138	122.9	91.7	137.5





#49
Acenaphthylene
Concen: 48.628 ng
RT: 14.037 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:152 Resp: 364564

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.3	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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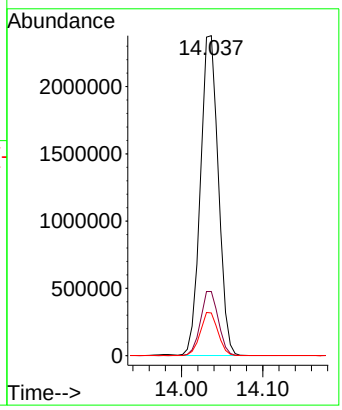
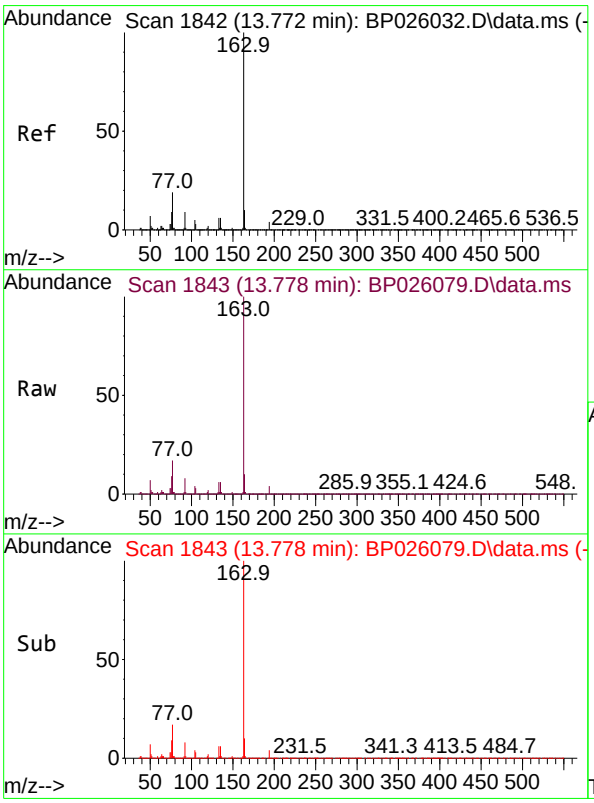
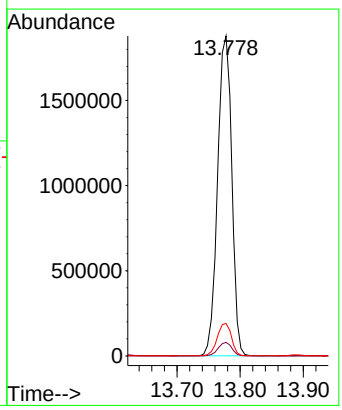


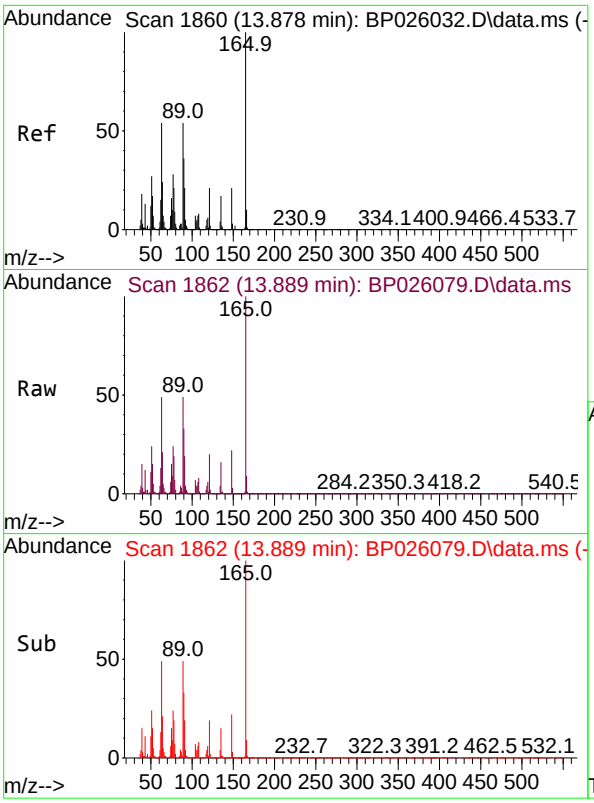


#50
Dimethylphthalate
Concen: 47.141 ng
RT: 13.778 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:163 Resp: 2927654

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 53.919 ng
RT: 13.889 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:165 Resp: 62978

Ion	Ratio	Lower	Upper
165	100		
63	48.5	43.0	64.4
89	48.5	43.0	64.4

Instrument :
BNA_P
ClientSampleId :
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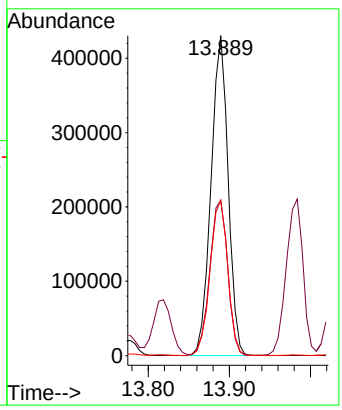
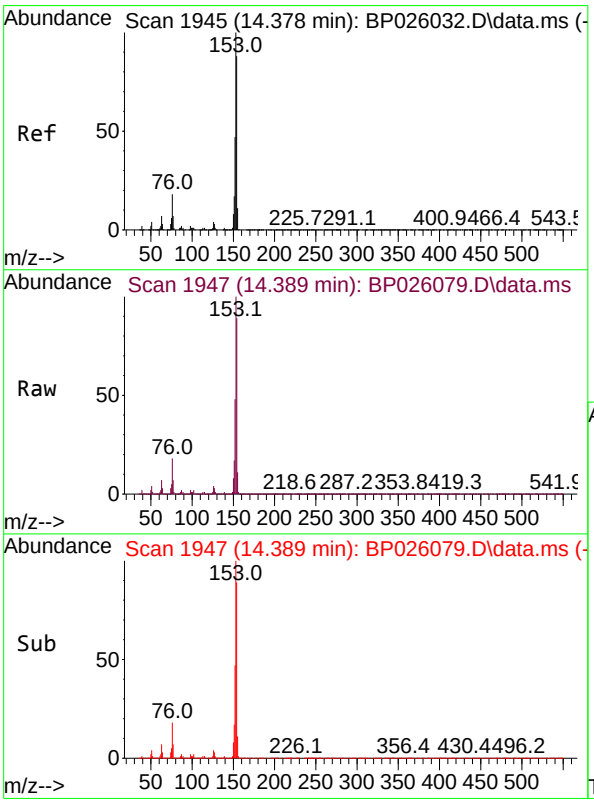
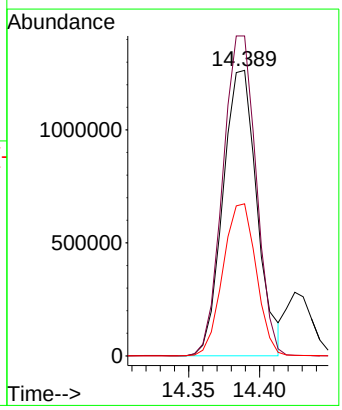


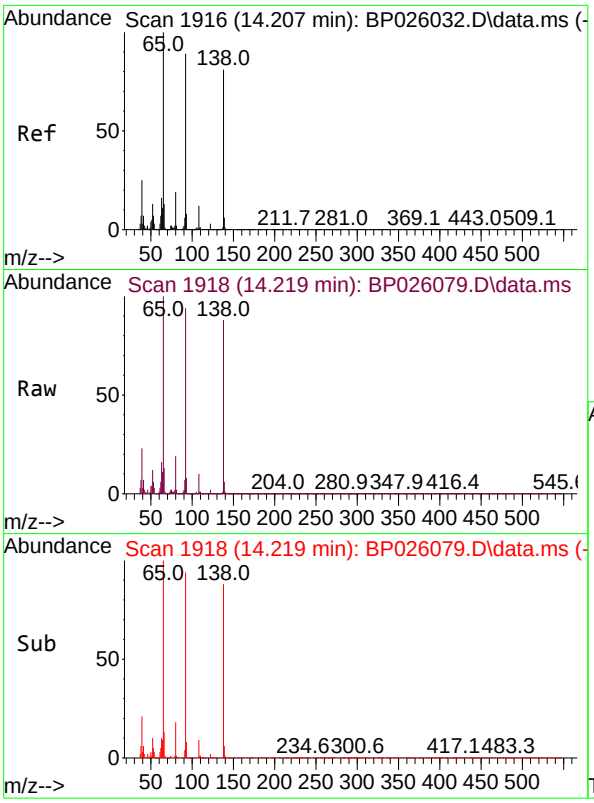


#52
Acenaphthene
Concen: 40.939 ng
RT: 14.389 min Scan# 1947
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:154 Resp: 2107035

Ion	Ratio	Lower	Upper
154	100		
153	112.1	91.0	136.4
152	53.3	42.7	64.1





#53
3-Nitroaniline
Concen: 38.678 ng
RT: 14.219 min Scan# 19
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:138 Resp: 533574

Ion	Ratio	Lower	Upper
138	100		
108	11.0	11.4	17.0#
92	106.5	87.1	130.7

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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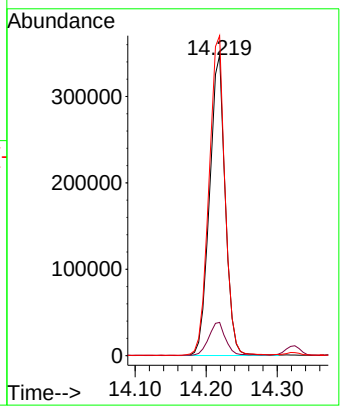
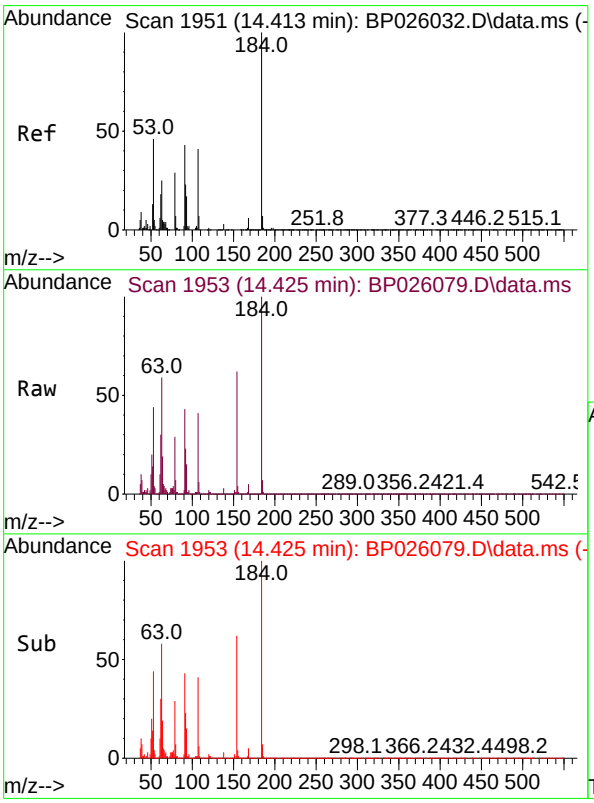
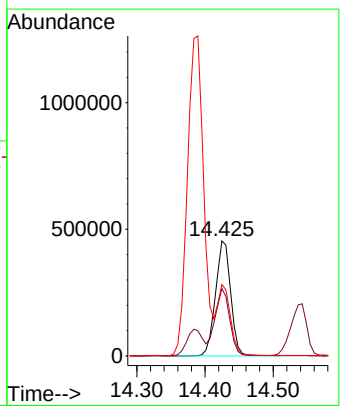


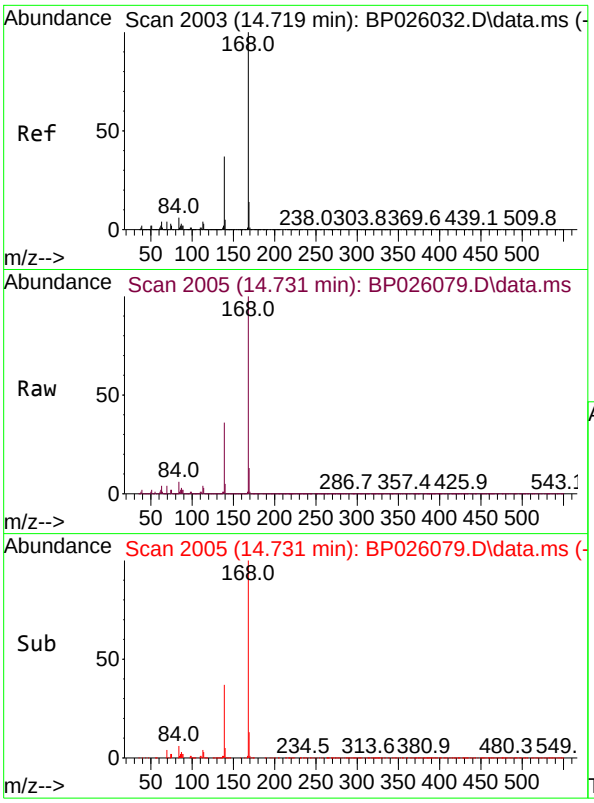


#54
2,4-Dinitrophenol
Concen: 109.641 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:184 Resp: 696443

Ion	Ratio	Lower	Upper
184	100		
63	58.5	49.0	73.4
154	62.0	51.0	76.6





#55
Dibenzofuran
Concen: 43.579 ng
RT: 14.731 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:168 Resp: 338870

Ion	Ratio	Lower	Upper
168	100		
139	36.2	29.7	44.5
169	13.1	11.0	16.4

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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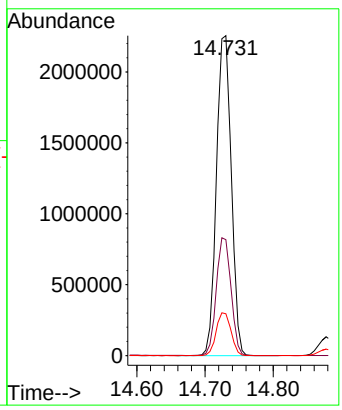
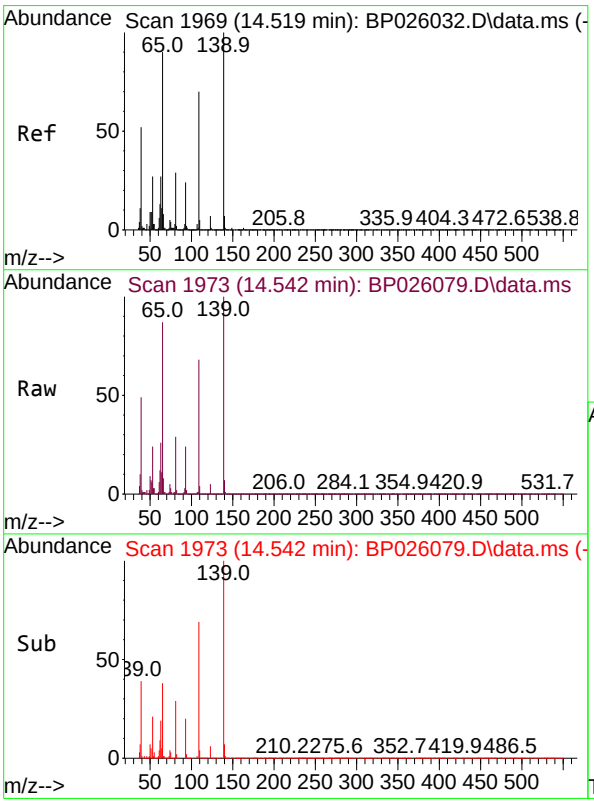
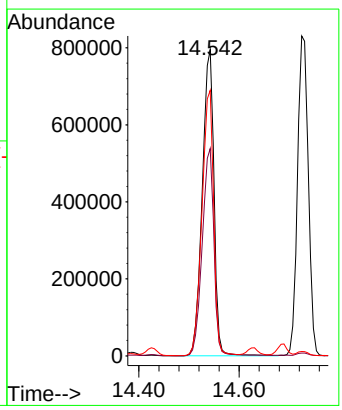


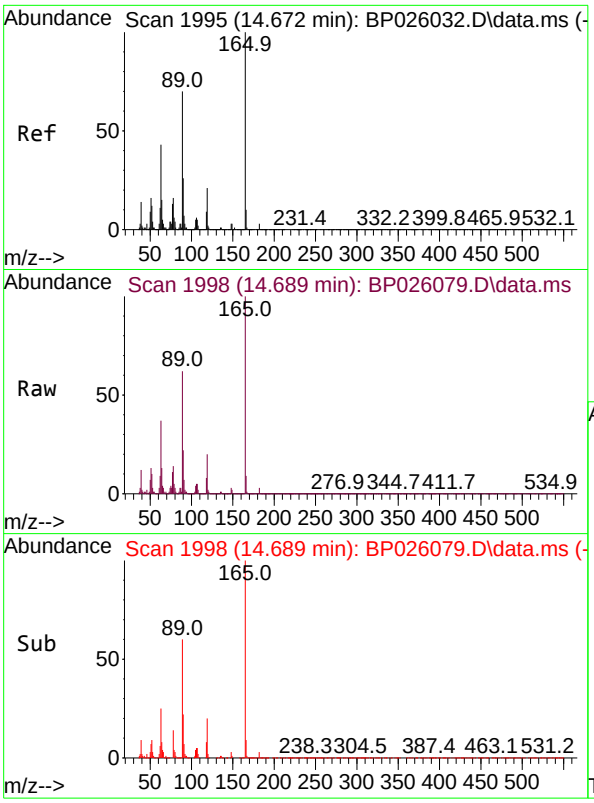


#56
4-Nitrophenol
Concen: 104.356 ng
RT: 14.542 min Scan# 1973
Delta R.T. 0.023 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:139 Resp: 1292340

Ion	Ratio	Lower	Upper
139	100		
109	67.7	50.0	90.0
65	86.7	69.6	109.6





#57
2,4-Dinitrotoluene
Concen: 52.416 ng
RT: 14.689 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:165 Resp: 898072

Ion	Ratio	Lower	Upper
165	100		
63	37.1	34.2	51.2
89	61.7	56.0	84.0
182	2.7	2.2	3.2

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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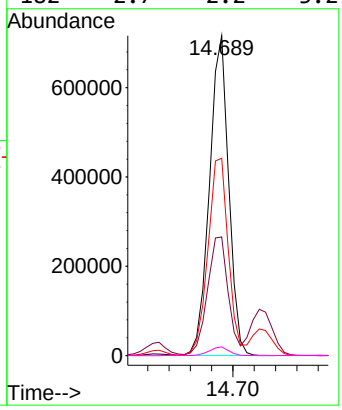
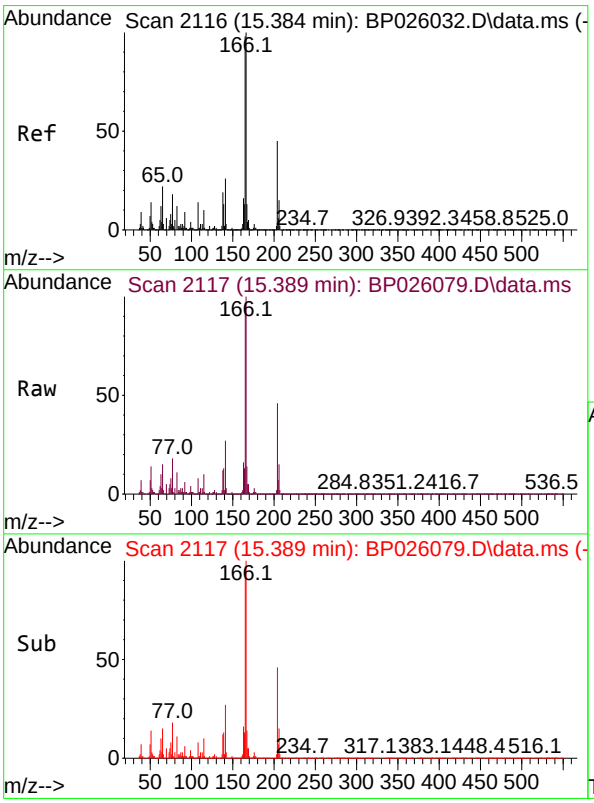
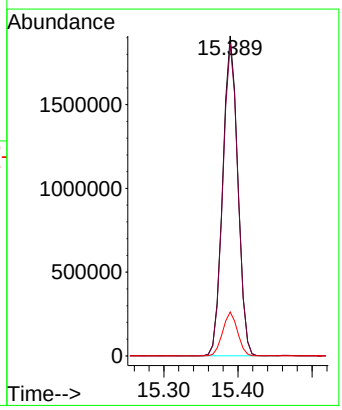


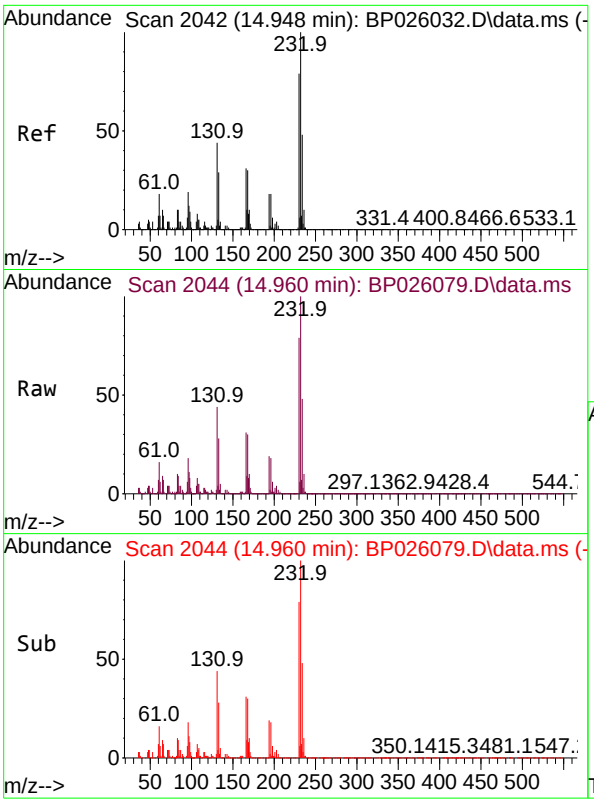


#58
Fluorene
Concen: 44.148 ng
RT: 15.389 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:166 Resp: 2689532

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.1	117.1
167	13.7	10.6	16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 57.824 ng
RT: 14.960 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:232 Resp: 81348

Ion	Ratio	Lower	Upper
232	100		
131	43.0	35.2	52.8
130	2.1	1.7	2.5
166	30.2	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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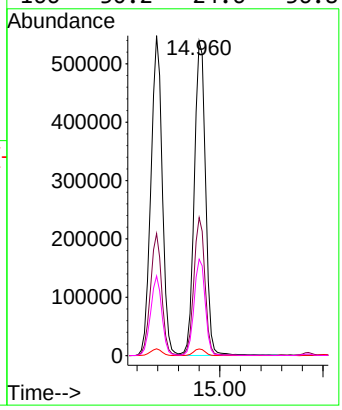
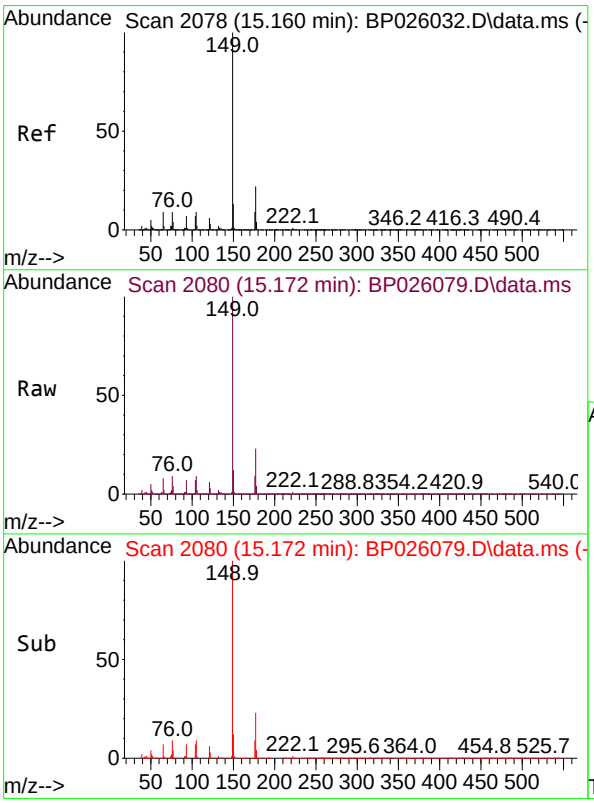
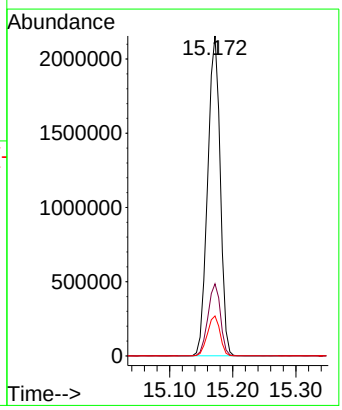


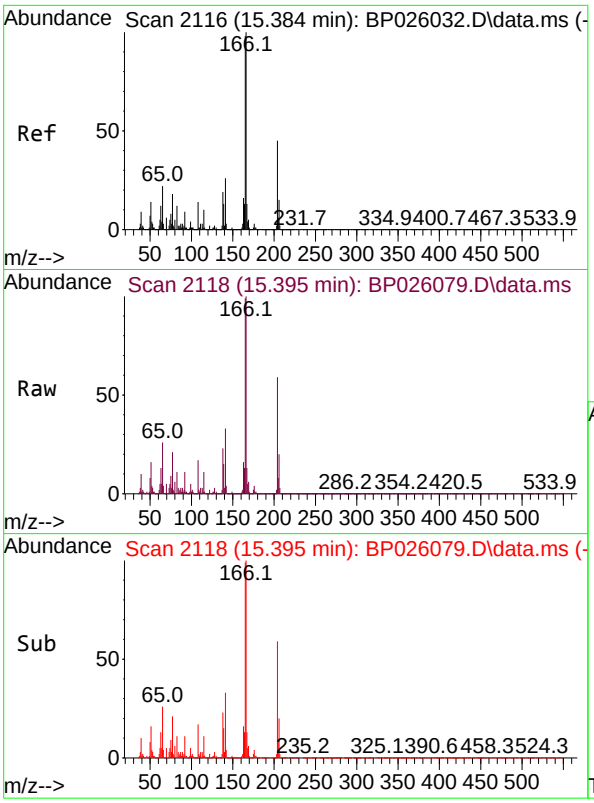


#60
Diethylphthalate
Concen: 47.567 ng
RT: 15.172 min Scan# 2080
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:149 Resp: 2969874

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.9	26.9
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 43.733 ng
RT: 15.395 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:204 Resp: 133048

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.2	39.2
141	57.0	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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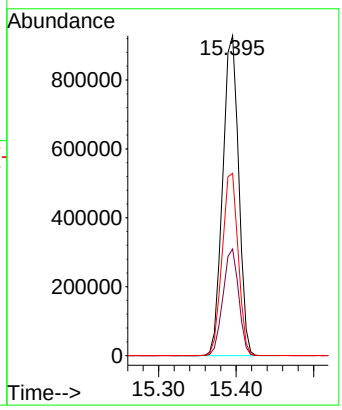
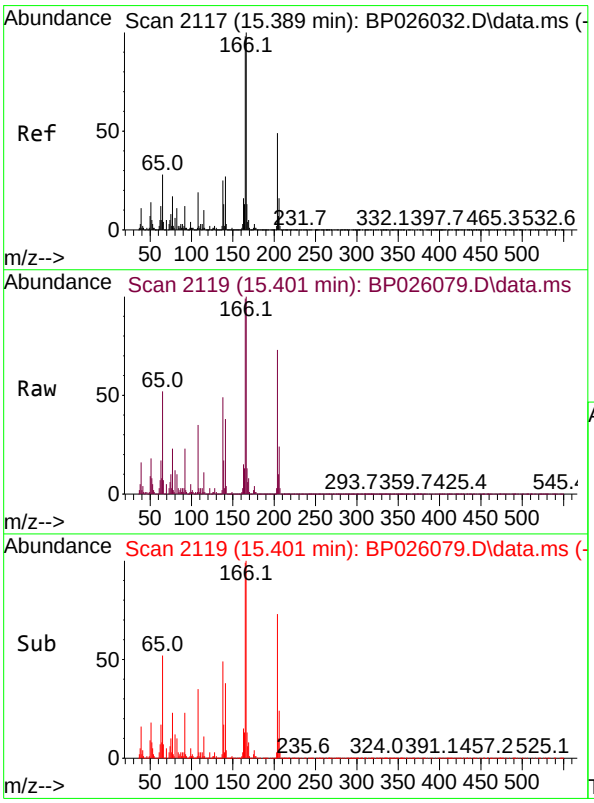
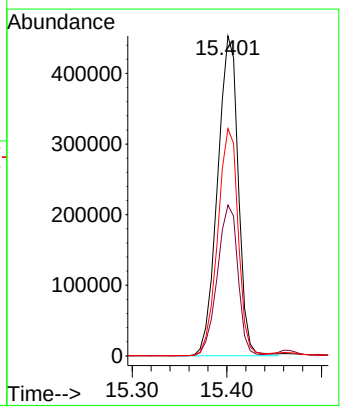


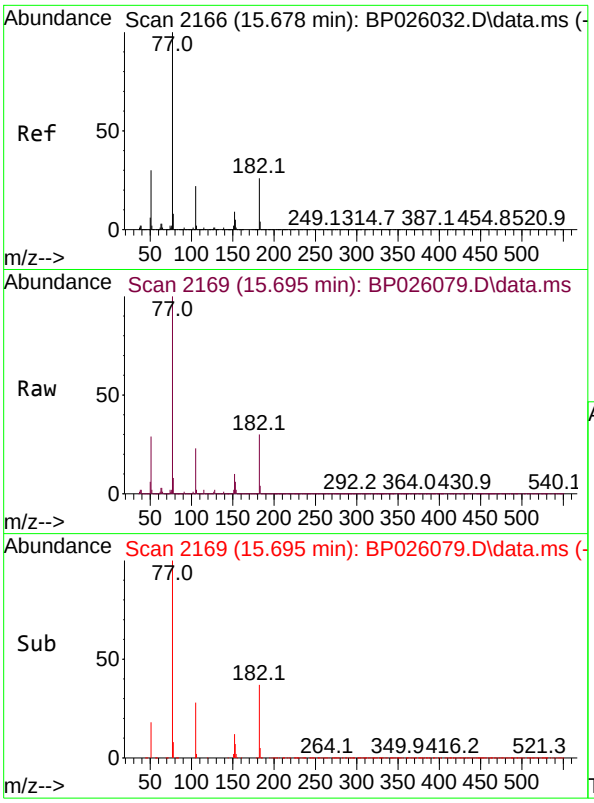


#62
4-Nitroaniline
Concen: 51.877 ng
RT: 15.401 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:138 Resp: 688459

Ion	Ratio	Lower	Upper
138	100		
92	47.1	28.2	68.2
108	71.0	56.0	96.0

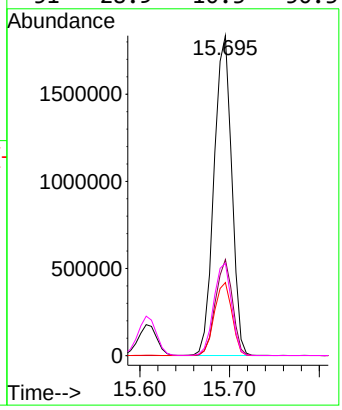




#63
Azobenzene
Concen: 44.329 ng
RT: 15.695 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion: 77 Resp: 250834

Ion	Ratio	Lower	Upper
77	100		
182	30.0	6.4	46.4
105	22.8	2.2	42.2
51	28.9	10.3	50.3



Instrument :
BNA_P
ClientSampleId :
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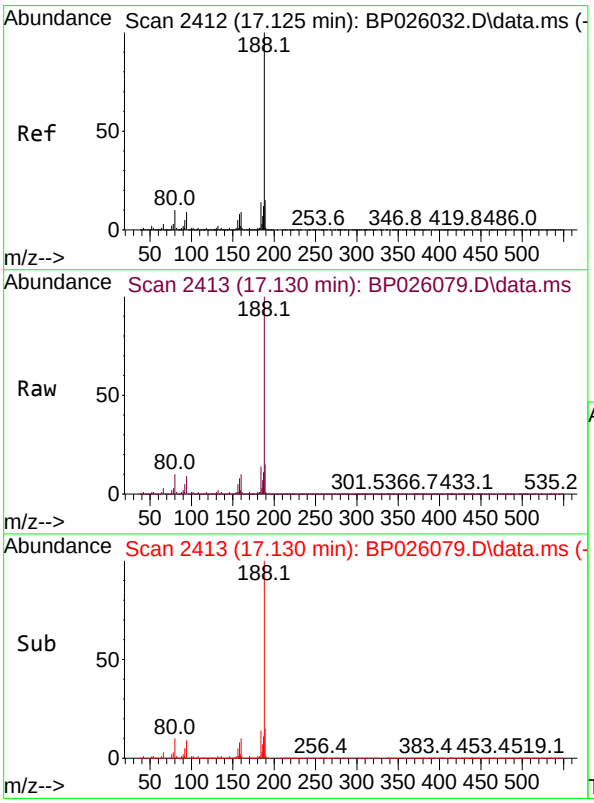
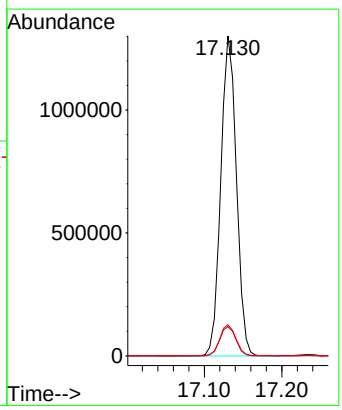
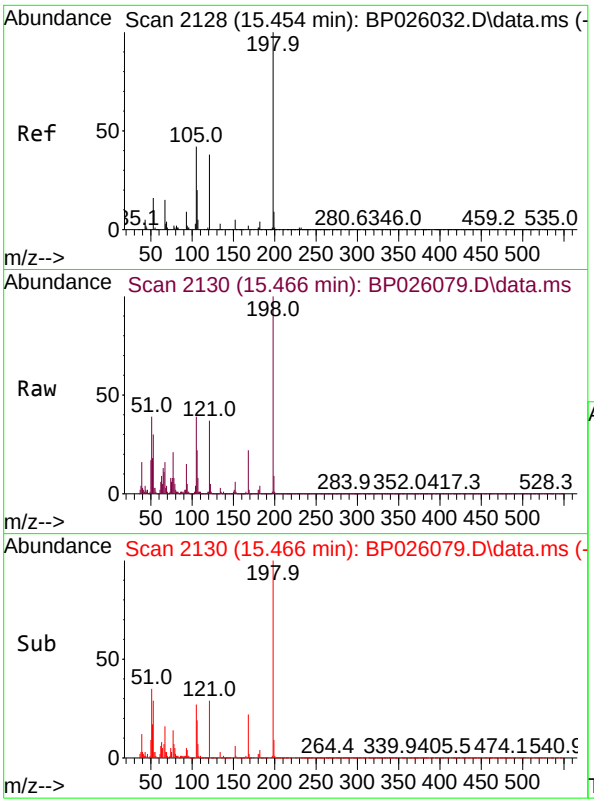


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.130 min Scan# 2413
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:188 Resp: 1821988

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.1	10.7
80	9.7	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 59.474 ng
RT: 15.466 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:198 Resp: 47125

Ion	Ratio	Lower	Upper
198	100		
51	38.8	25.2	65.2
105	39.5	23.7	63.7

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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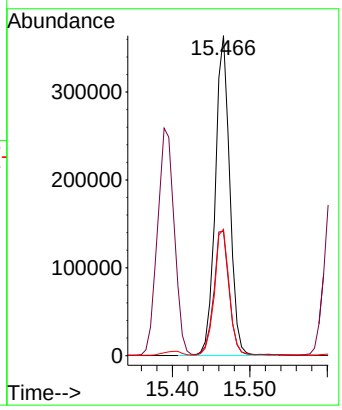
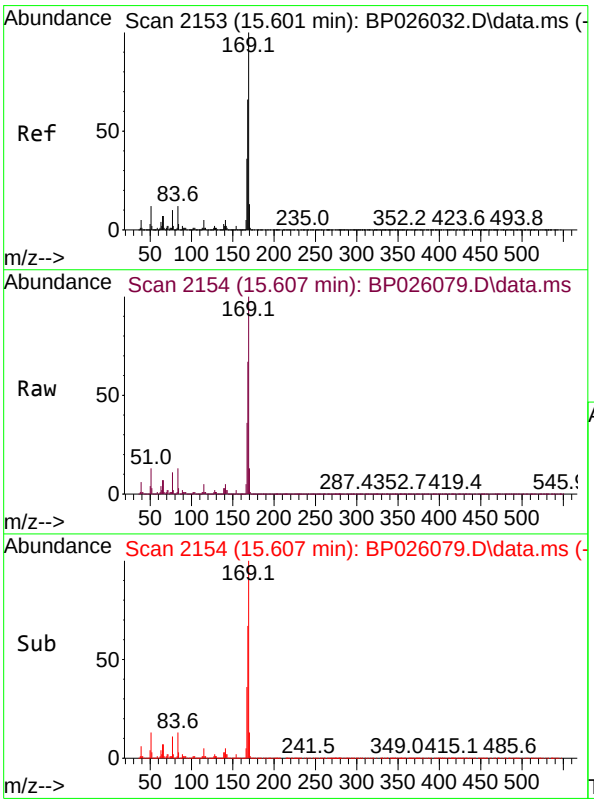
Supervised By :Jagrut Upadhyay 11/10/2025

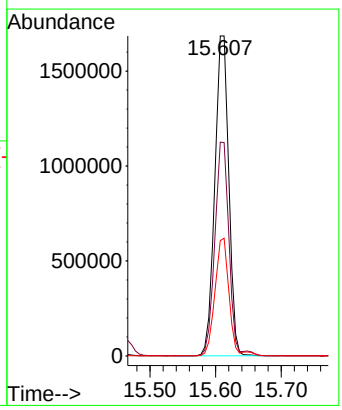


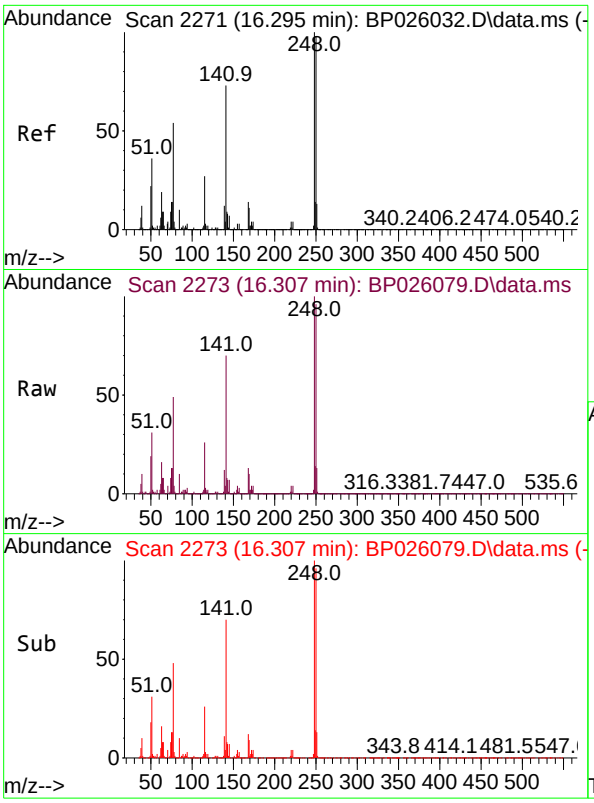


#66
n-Nitrosodiphenylamine
Concen: 43.938 ng
RT: 15.607 min Scan# 2154
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:169 Resp: 2503020

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.9	79.3
167	36.0	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 44.137 ng
RT: 16.307 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:248 Resp: 89202

Ion	Ratio	Lower	Upper
248	100		
250	96.2	78.4	117.6
141	70.4	58.3	87.5

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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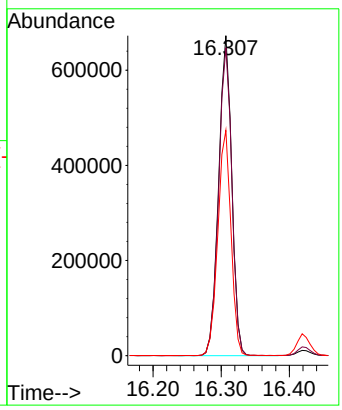
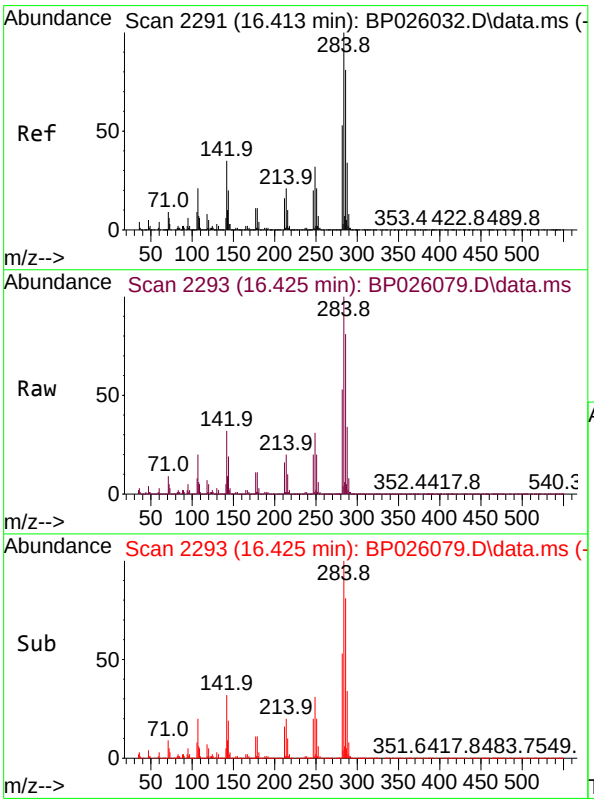
Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

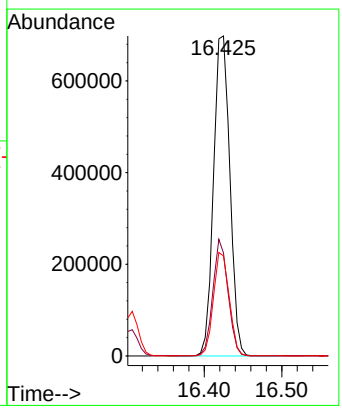


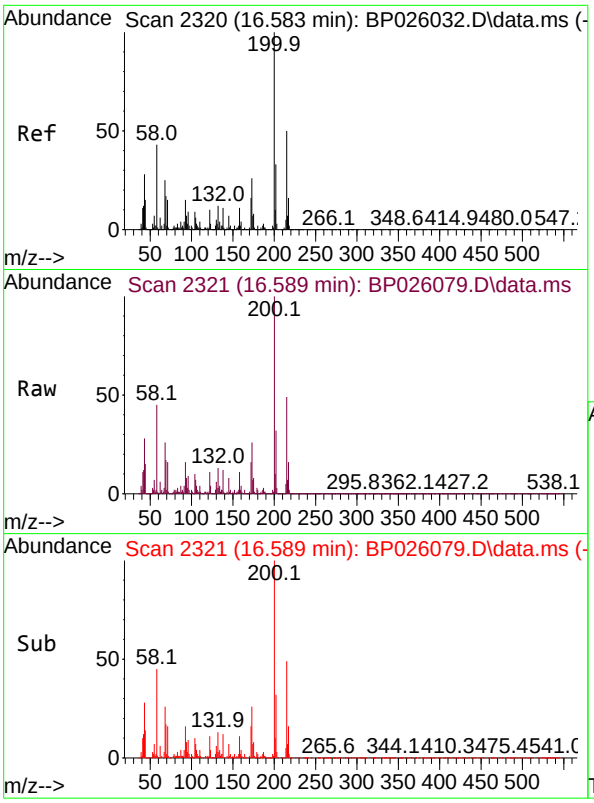


#68
Hexachlorobenzene
Concen: 44.383 ng
RT: 16.425 min Scan# 2293
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:284 Resp: 1021133

Ion	Ratio	Lower	Upper
284	100		
142	32.2	27.7	41.5
249	31.2	25.5	38.3





#69
Atrazine
Concen: 50.370 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:200 Resp: 96798

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.2	46.2
215	48.8	29.8	69.8

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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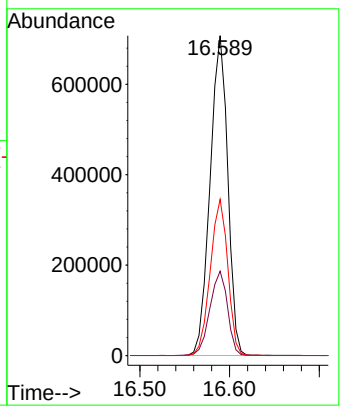
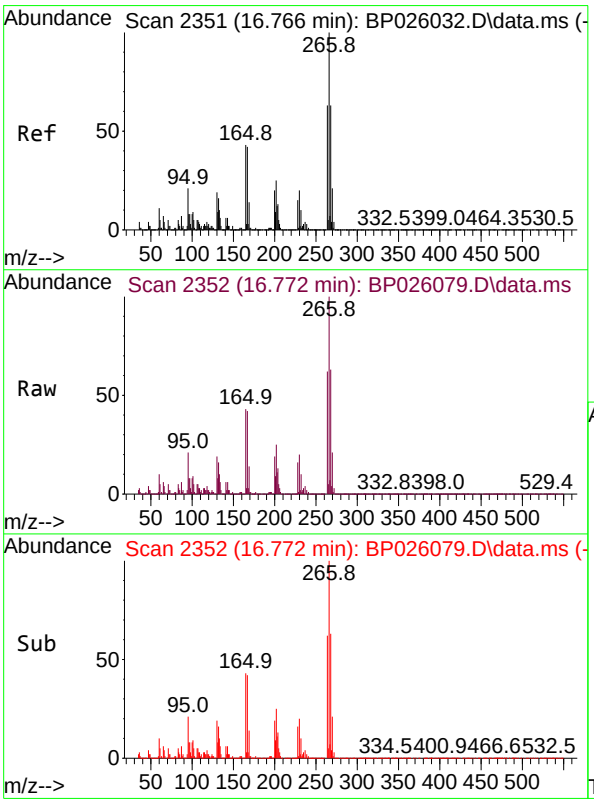
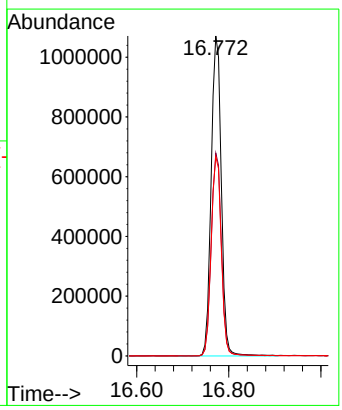


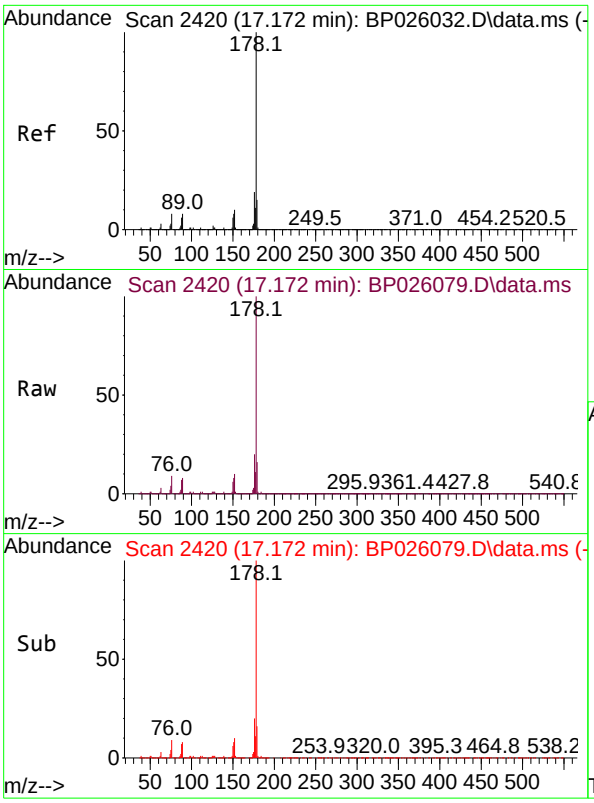


#70
Pentachlorophenol
Concen: 115.892 ng
RT: 16.772 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:266 Resp: 1628665

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.6	76.0
264	62.2	50.2	75.4





#71
Phenanthrene
Concen: 42.251 ng
RT: 17.172 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:178 Resp: 448067

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.7	12.3	18.5

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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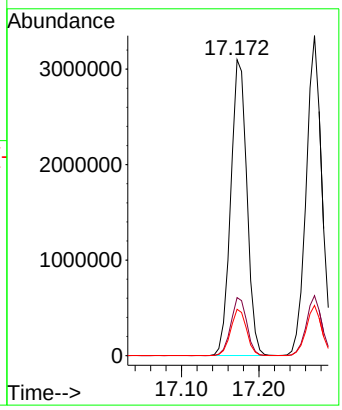
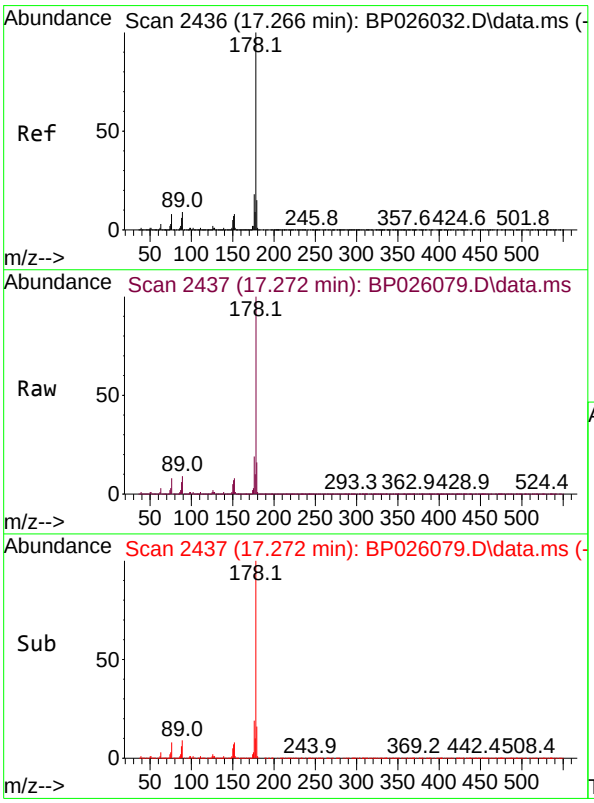
Supervised By :Jagrut Upadhyay 11/10/2025

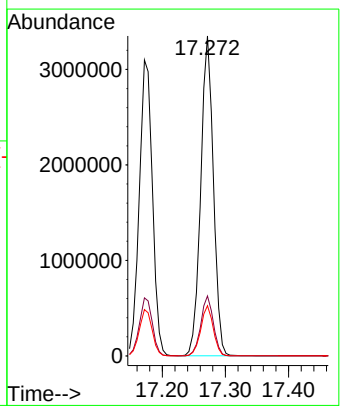


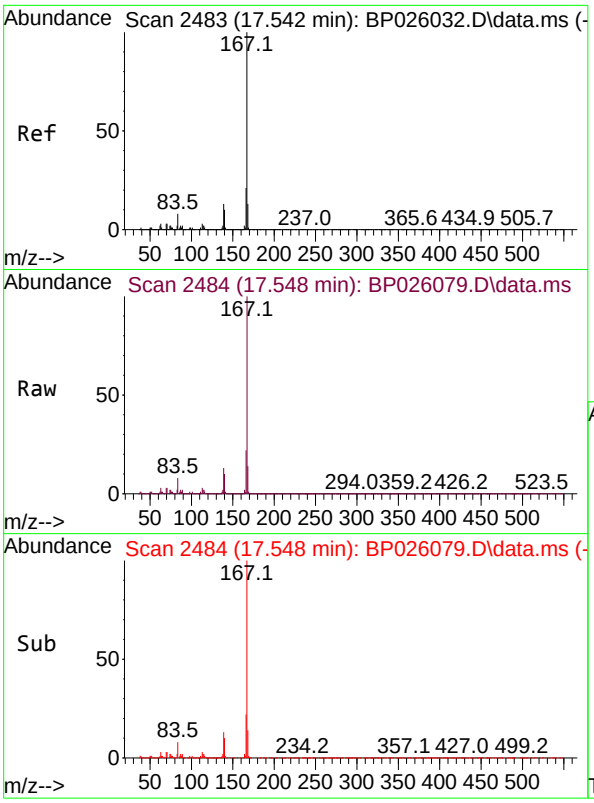


#72
Anthracene
Concen: 44.323 ng
RT: 17.272 min Scan# 2437
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:178 Resp: 4659290

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.7	12.2	18.4





#73
Carbazole
Concen: 44.513 ng
RT: 17.548 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:167 Resp: 442941

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	12.9	10.2	15.2

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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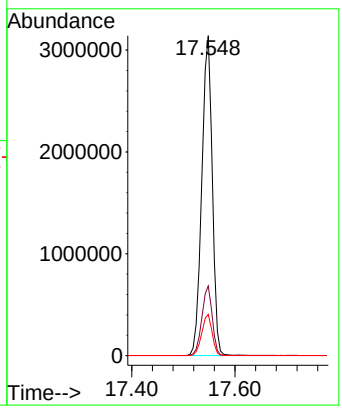
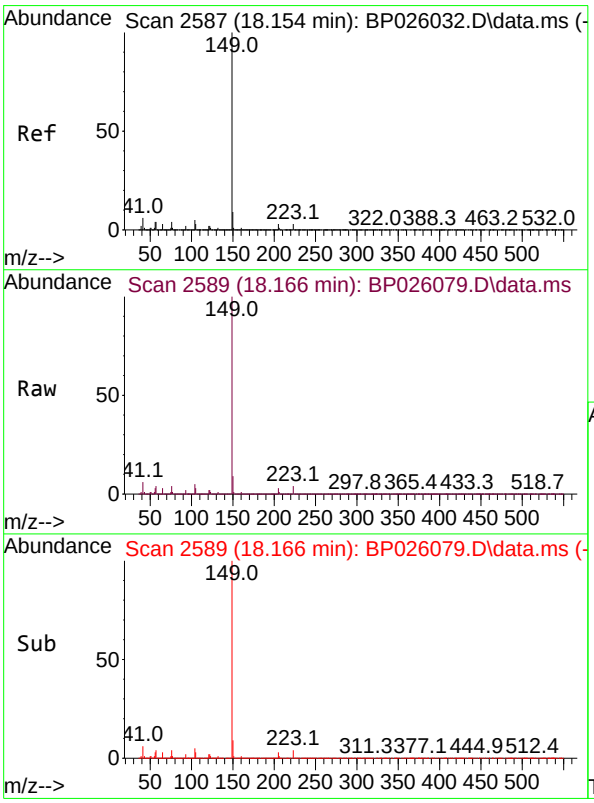
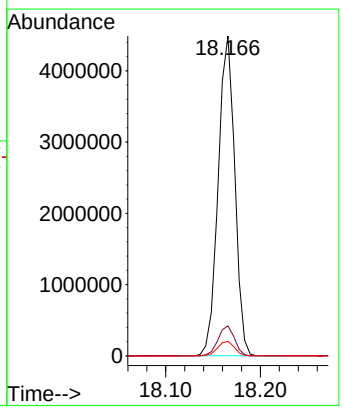


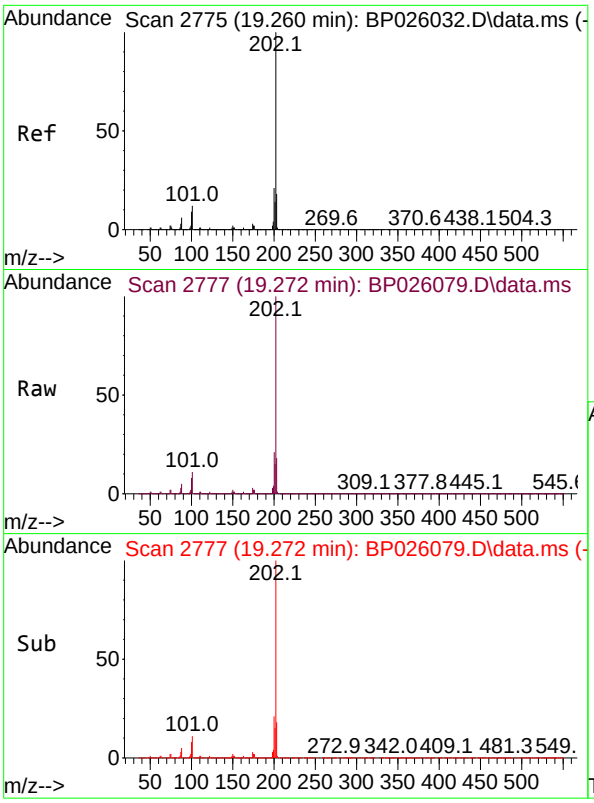


#74
Di-n-butylphthalate
Concen: 49.068 ng
RT: 18.166 min Scan# 2589
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:149 Resp: 5463574

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.5	3.8	5.6





#75
Fluoranthene
Concen: 44.841 ng
RT: 19.272 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:202 Resp: 5547129

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	32.1
203	17.8	0.0	37.6

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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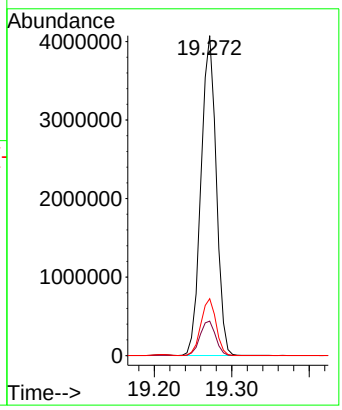
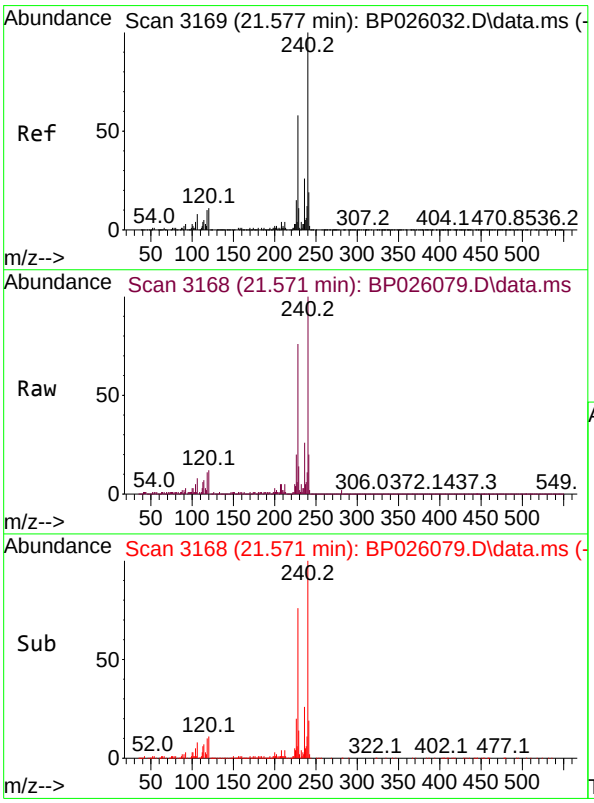
Supervised By :Jagrut Upadhyay 11/10/2025

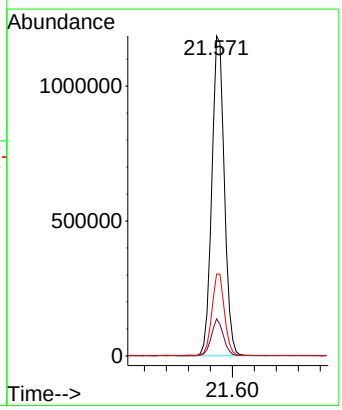


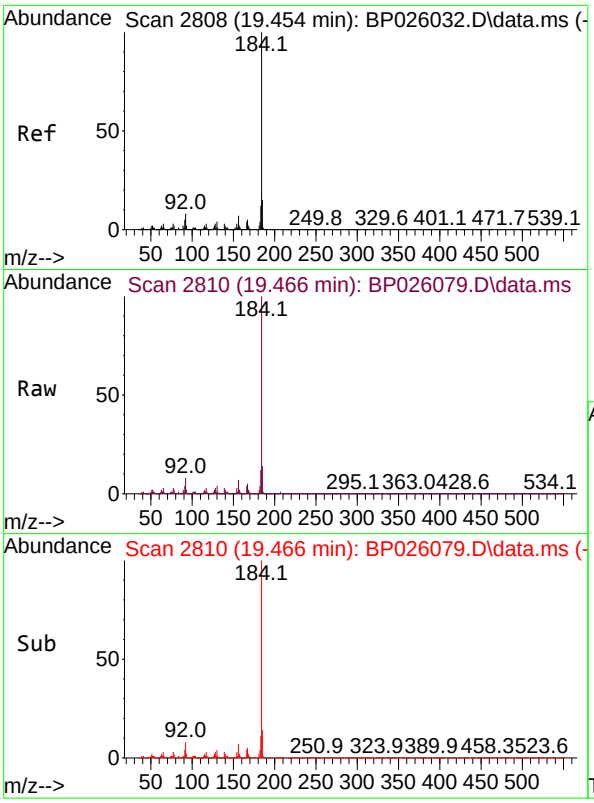


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3168
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:240 Resp: 1872003

Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.9	13.3
236	25.6	20.6	31.0





#77
Benzidine
Concen: 40.760 ng
RT: 19.466 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:184 Resp: 193677

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.9	17.9
183	11.5	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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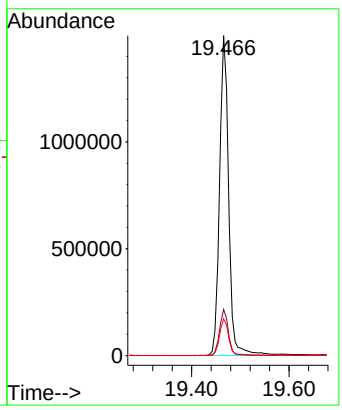
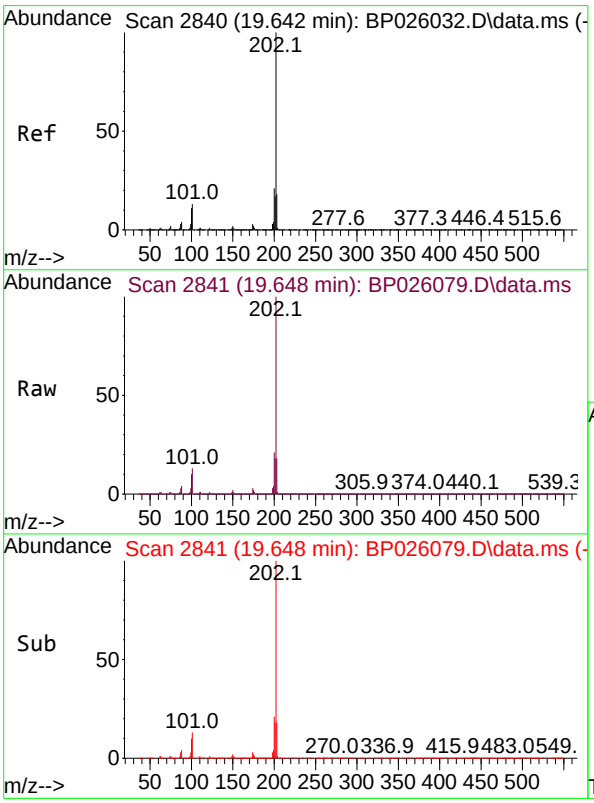
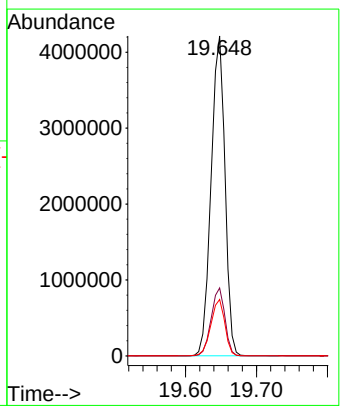


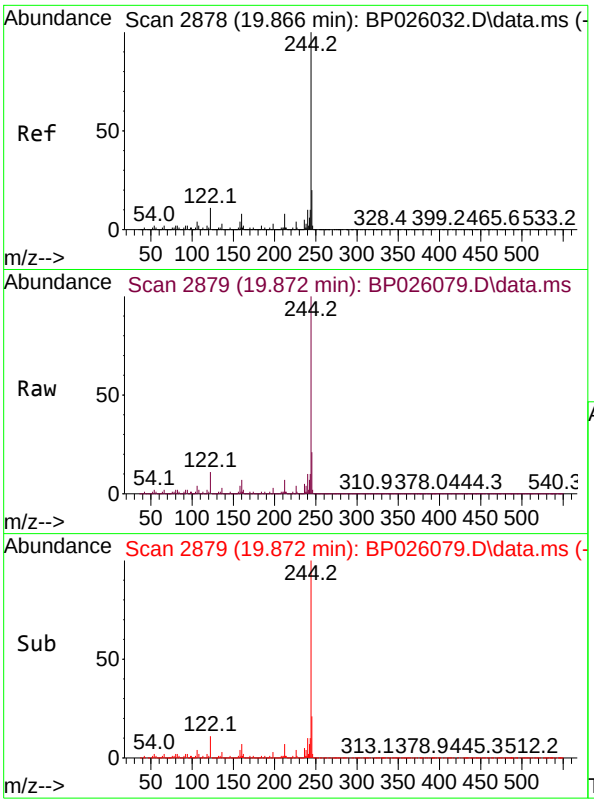


#78
Pyrene
Concen: 45.175 ng
RT: 19.648 min Scan# 2841
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:202 Resp: 5719749

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	17.6	14.0	21.0





#79
Terphenyl-d14
Concen: 84.960 ng
RT: 19.872 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:244 Resp: 782826

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	10.7	9.0	13.6

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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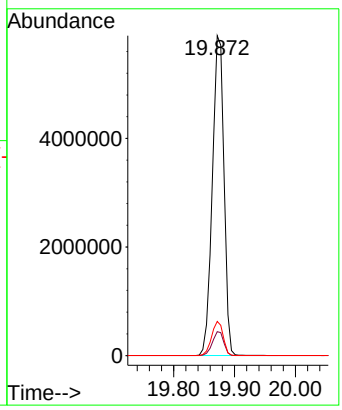
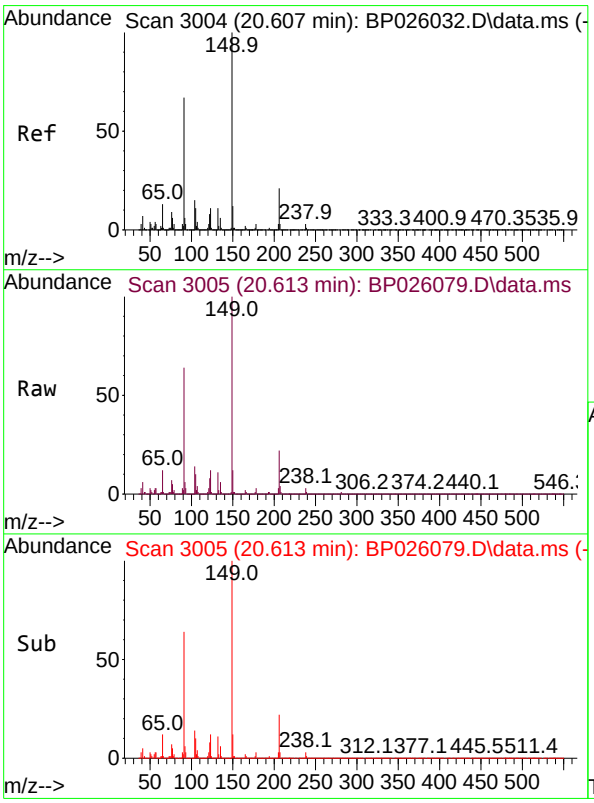
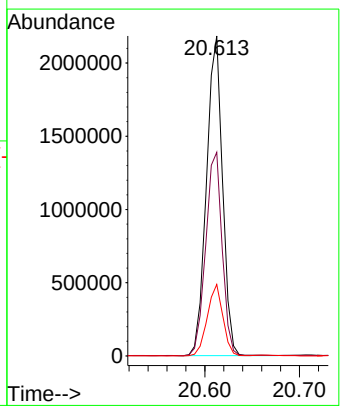


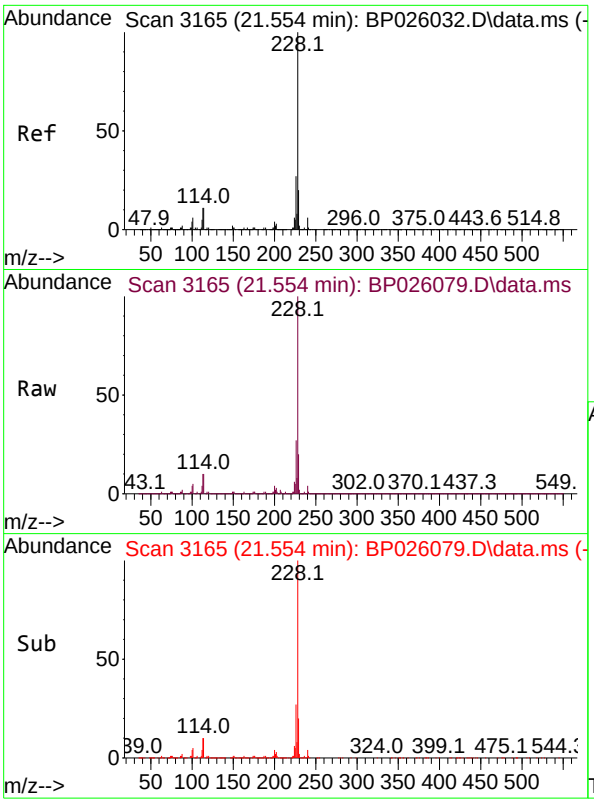


#80
Butylbenzylphthalate
Concen: 53.934 ng
RT: 20.613 min Scan# 3005
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:149 Resp: 2570878

Ion	Ratio	Lower	Upper
149	100		
91	63.6	53.5	80.3
206	22.3	16.6	25.0





#81
Benzo(a)anthracene
Concen: 43.509 ng
RT: 21.554 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:228 Resp: 559691

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	20.4	15.8	23.8

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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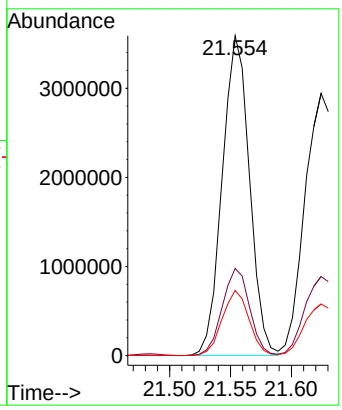
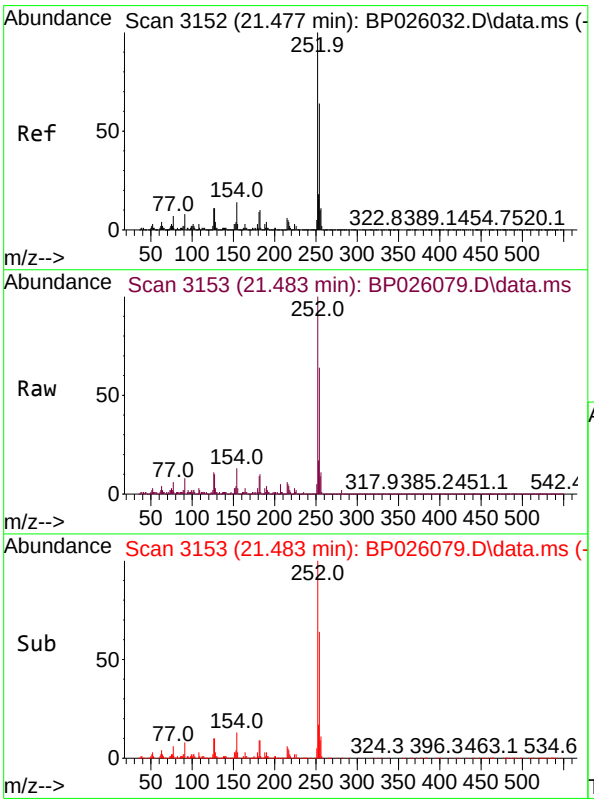
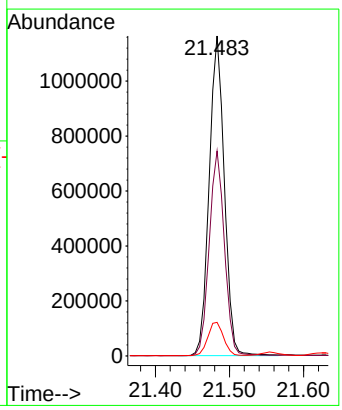


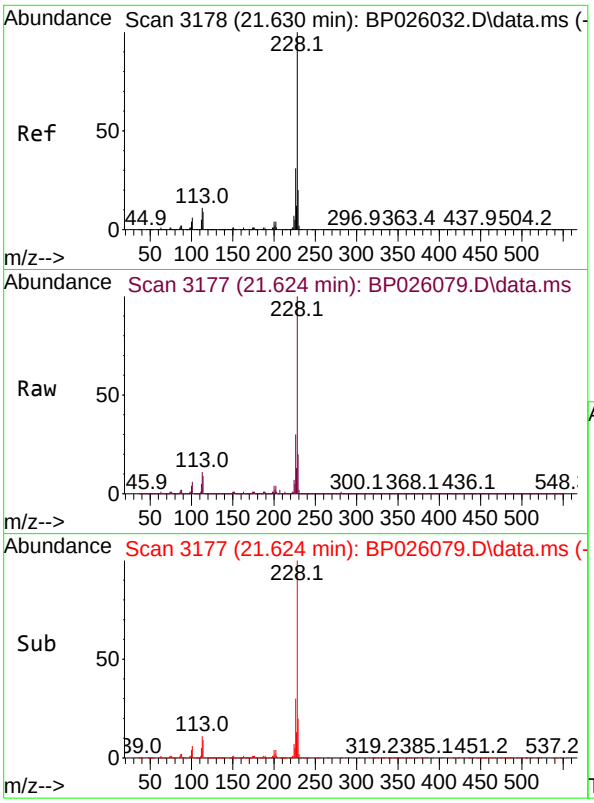


#82
3,3'-Dichlorobenzidine
Concen: 39.915 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:252 Resp: 1654362

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.3	76.9
126	10.5	9.1	13.7





#83
Chrysene
Concen: 43.832 ng
RT: 21.624 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:228 Resp: 5341240

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	19.7	16.0	24.0

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

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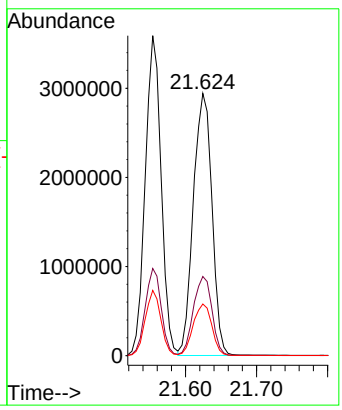
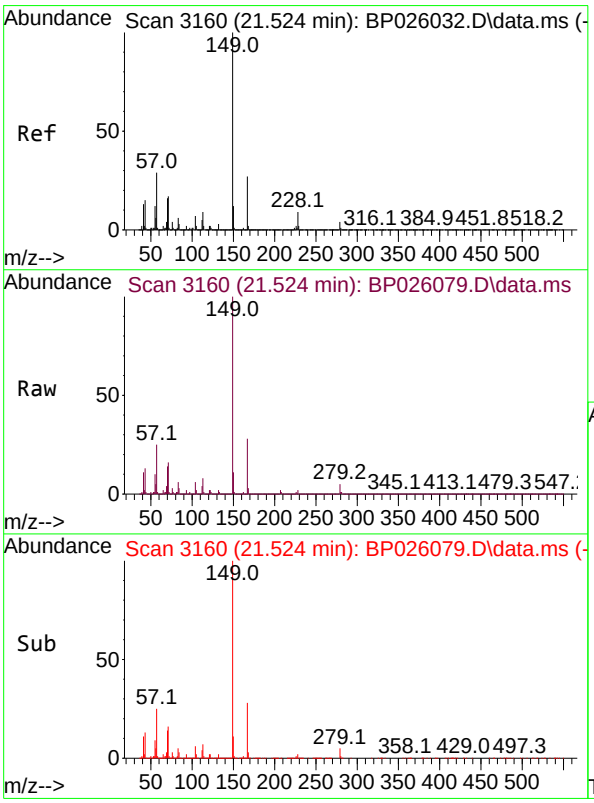
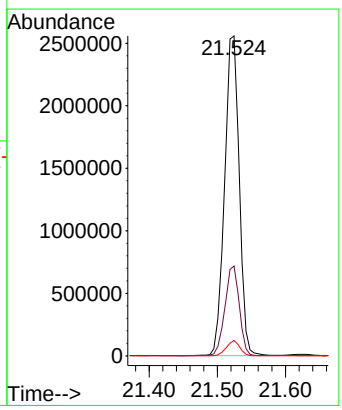


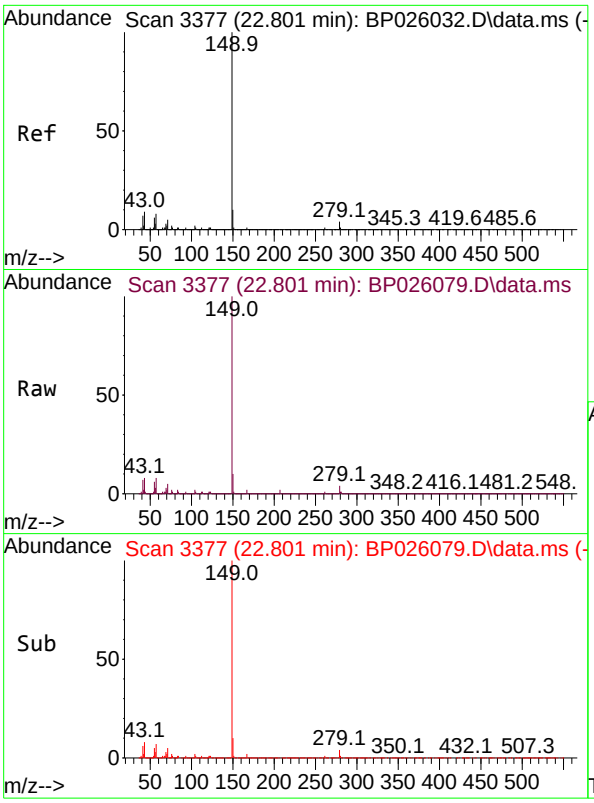


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.086 ng
RT: 21.524 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:149 Resp: 3787769

Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.5	32.3
279	4.8	3.0	4.6#





#85
Di-n-octyl phthalate
Concen: 59.290 ng
RT: 22.801 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

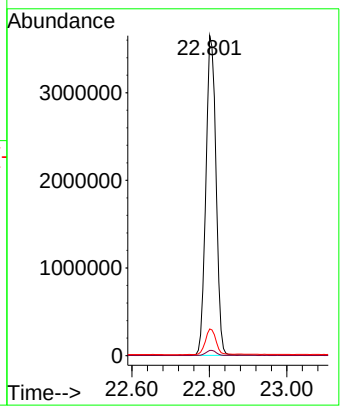
Tgt Ion:149 Resp: 660711

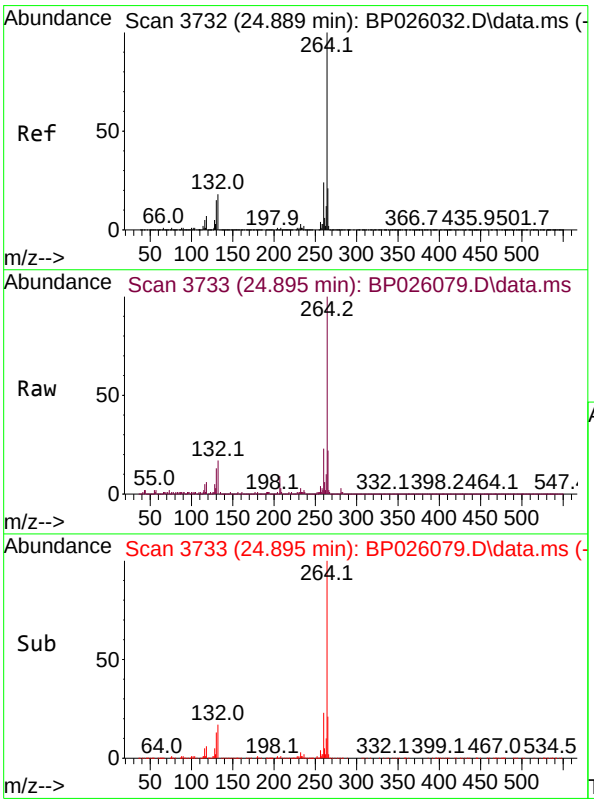
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	8.5	7.6	11.4

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

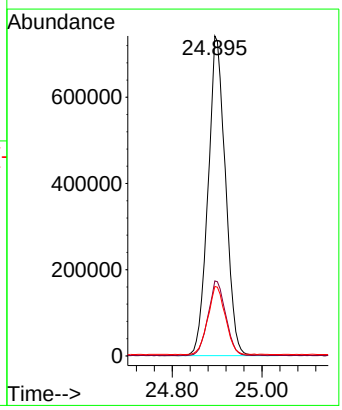


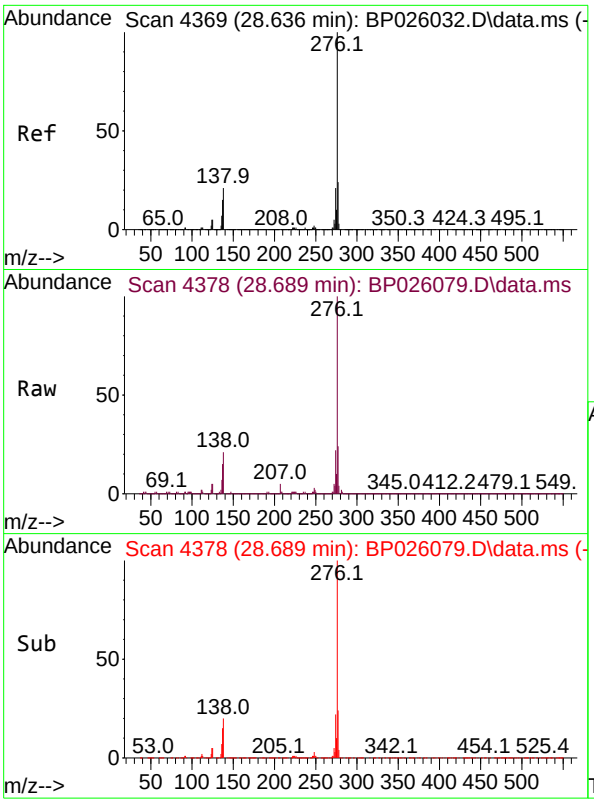


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.895 min Scan# 3733
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:264 Resp: 1998604

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	21.7	17.2	25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 47.117 ng
RT: 28.689 min Scan# 4
Delta R.T. 0.030 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

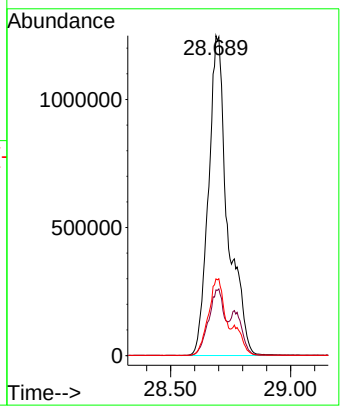
Tgt Ion:276 Resp: 695221

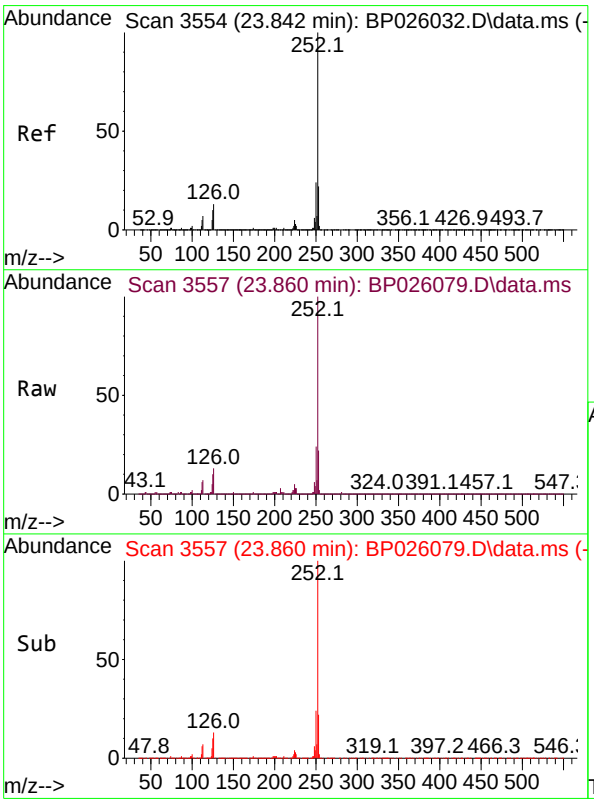
Ion	Ratio	Lower	Upper
276	100		
138	17.4	13.2	19.8
277	20.2	16.3	24.5

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

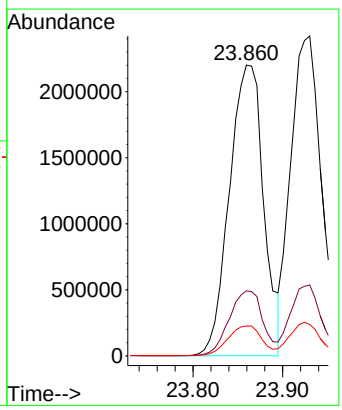


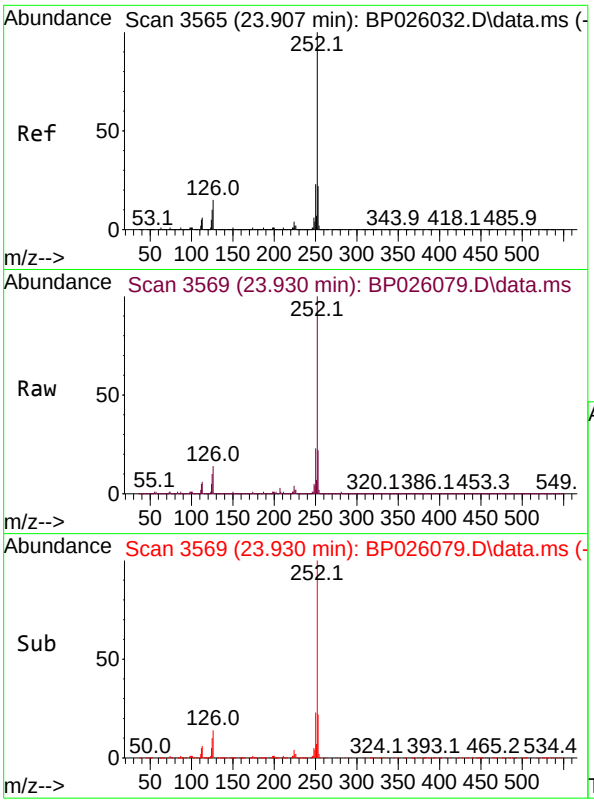


#88
Benzo(b)fluoranthene
Concen: 47.122 ng
RT: 23.860 min Scan# 3557
Delta R.T. 0.012 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:252 Resp: 5846575

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	10.2	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 45.161 ng
RT: 23.930 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

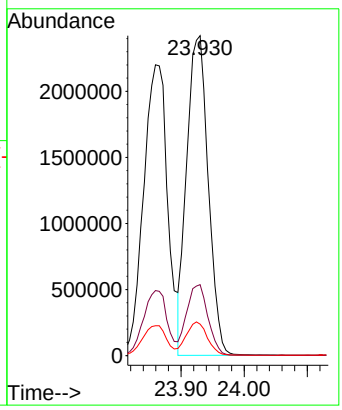
Tgt Ion:252 Resp: 572182

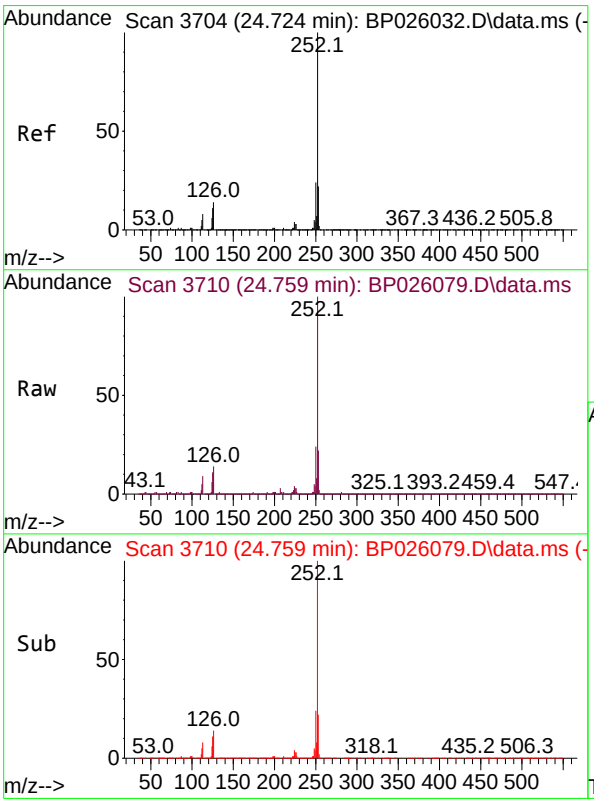
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.8	8.1	12.1

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

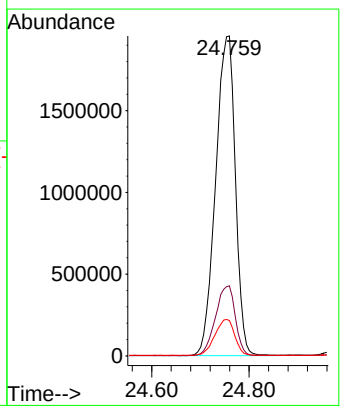


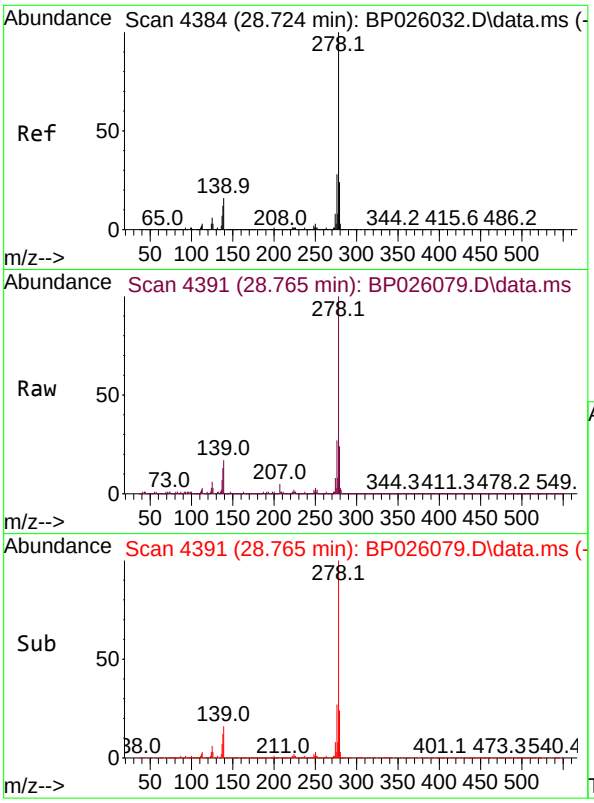


#90
Benzo(a)pyrene
Concen: 48.170 ng
RT: 24.759 min Scan# 3710
Delta R.T. 0.018 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:252 Resp: 5490590

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	11.1	9.1	13.7





#91
Dibenzo(a,h)anthracene
Concen: 47.979 ng
RT: 28.765 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

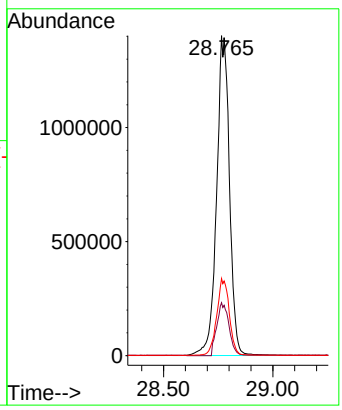
Tgt Ion:278 Resp: 576109

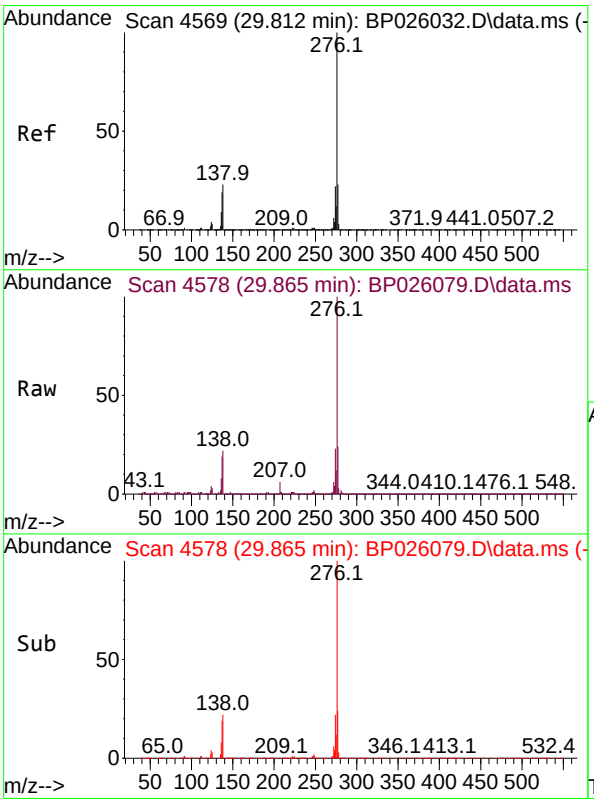
Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.0	19.6
279	24.1	18.9	28.3

Instrument :
BNA_P
ClientSampleId :
PB170424BSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Jagrut Upadhyay 11/10/2025

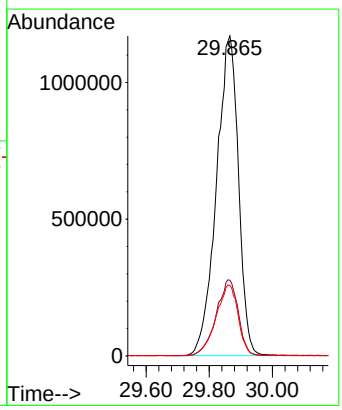




#92
Benzo(g,h,i)perylene
Concen: 48.965 ng
RT: 29.865 min Scan# 4578
Delta R.T. 0.035 min
Lab File: BP026079.D
Acq: 06 Nov 2025 15:35

Tgt Ion:276 Resp: 5657726

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.5	27.7
138	22.0	18.1	27.1



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Manual Integration Report

Sequence:	BF110525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF144170.D	Benzo(b)fluoranthene	rahul	11/6/2025 8:43:08 AM	Jagrut	11/6/2025 10:21:01 AM	Peak Integrated by Software
SSTDICV040	BF144177.D	Benzoic acid	rahul	11/6/2025 8:43:11 AM	Jagrut	11/6/2025 10:21:04 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF110625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3534-02	BF144191.D	2,6-Dinitrotoluene	rahul	11/7/2025 2:34:54 PM	Jagrut	11/10/2025 2:03:57 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG102425	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064570.D	1,4-Dichlorobenzene	rahul	10/27/2025 8:32:20 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC005	BG064570.D	1-Methylnaphthalene	rahul	10/27/2025 8:32:20 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC010	BG064571.D	Benzoic acid	rahul	10/27/2025 8:32:22 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC020	BG064572.D	Benzoic acid	rahul	10/27/2025 8:32:28 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICCC040	BG064573.D	Benzoic acid	rahul	10/27/2025 8:33:01 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC060	BG064574.D	Benzoic acid	Jagrut	11/4/2025 3:47:57 PM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC080	BG064575.D	Benzoic acid	Jagrut	11/4/2025 3:48:00 PM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC050	BG064576.D	Benzoic acid	rahul	10/27/2025 8:33:12 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG110625	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064699.D	Benzoic acid	rahul	11/7/2025 2:35:34 PM	Jagrut	11/10/2025 2:05:11 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP102925	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BP026030.D	Benzaldehyde	rahul	10/30/2025 8:52:02 AM	Jagrut	11/4/2025 3:52:40 PM	Peak Integrated by Software
SSTDICC010	BP026030.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:02 AM	Jagrut	11/4/2025 3:52:40 PM	Peak Integrated by Software
SSTDICC020	BP026031.D	Benzaldehyde	rahul	10/30/2025 8:52:04 AM	Jagrut	11/4/2025 3:52:42 PM	Peak Integrated by Software
SSTDICC020	BP026031.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:04 AM	Jagrut	11/4/2025 3:52:42 PM	Peak Integrated by Software
SSTDICC050	BP026033.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:07 AM	Jagrut	11/4/2025 3:52:45 PM	Peak Integrated by Software
SSTDICC080	BP026035.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:09 AM	Jagrut	11/4/2025 3:52:47 PM	Peak Integrated by Software
SSTDICV040	BP026036.D	Benzaldehyde	rahul	10/30/2025 4:44:10 PM	Jagrut	11/4/2025 3:52:50 PM	Peak Integrated by Software
SSTDICV040	BP026036.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 4:44:10 PM	Jagrut	11/4/2025 3:52:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP110625	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP026076.D	Benzoic acid	rahul	11/7/2025 2:36:21 PM	Jagrut	11/10/2025 2:04:25 PM	Peak Integrated by Software
PB170424BS	BP026078.D	Indeno(1,2,3-cd)pyrene	rahul	11/7/2025 2:36:23 PM	Jagrut	11/10/2025 2:04:31 PM	Peak Integrated by Software
PB170424BSD	BP026079.D	Caprolactam	rahul	11/7/2025 2:36:26 PM	Jagrut	11/10/2025 2:04:36 PM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM		
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM		
SubDirectory	BF110525	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144168.D	05 Nov 2025 12:21	RC/JU	Ok
2	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50	RC/JU	Ok
3	SSTDICC005	BF144170.D	05 Nov 2025 13:20	RC/JU	Ok,M
4	SSTDICC010	BF144171.D	05 Nov 2025 13:50	RC/JU	Ok
5	SSTDICC020	BF144172.D	05 Nov 2025 14:20	RC/JU	Ok
6	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	RC/JU	Ok
7	SSTDICC050	BF144174.D	05 Nov 2025 15:49	RC/JU	Ok
8	SSTDICC060	BF144175.D	05 Nov 2025 16:19	RC/JU	Ok
9	SSTDICC080	BF144176.D	05 Nov 2025 16:49	RC/JU	Ok
10	SSTDICV040	BF144177.D	05 Nov 2025 17:21	RC/JU	Ok,M
11	PB170372BL	BF144178.D	05 Nov 2025 18:10	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110625

Review By	rahul	Review On	11/6/2025 3:51:49 PM		
Supervise By	Jagrut	Supervise On	11/10/2025 2:04:15 PM		
SubDirectory	BF110625	HP Acquire Method	BNA_P	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144179.D	06 Nov 2025 10:44	RC/JU	Ok
2	SSTDCCC040	BF144180.D	06 Nov 2025 11:13	RC/JU	Ok
3	PB170402BL	BF144181.D	06 Nov 2025 11:42	RC/JU	Ok
4	PB170402BS	BF144182.D	06 Nov 2025 12:12	RC/JU	Ok,M
5	Q3549-02	BF144183.D	06 Nov 2025 12:56	RC/JU	Ok
6	Q3537-01	BF144184.D	06 Nov 2025 13:26	RC/JU	Ok
7	Q3532-01	BF144185.D	06 Nov 2025 13:56	RC/JU	Ok
8	Q3532-05	BF144186.D	06 Nov 2025 14:25	RC/JU	Ok
9	Q3532-05MS	BF144187.D	06 Nov 2025 14:55	RC/JU	Ok,M
10	Q3532-05MSD	BF144188.D	06 Nov 2025 15:25	RC/JU	Ok,M
11	Q3541-01	BF144189.D	06 Nov 2025 15:54	RC/JU	Ok
12	Q3534-01	BF144190.D	06 Nov 2025 16:24	RC/JU	ReRun
13	Q3534-02	BF144191.D	06 Nov 2025 16:54	RC/JU	Ok,M
14	Q3534-05	BF144192.D	06 Nov 2025 17:24	RC/JU	Ok
15	Q3552-03	BF144193.D	06 Nov 2025 17:53	RC/JU	Ok
16	Q3552-05	BF144194.D	06 Nov 2025 18:23	RC/JU	Ok
17	Q3532-08	BF144195.D	06 Nov 2025 18:53	RC/JU	Ok
18	Q3544-04	BF144196.D	06 Nov 2025 19:23	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:16 AM		
SubDirectory	BG102425	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064568.D	24 Oct 2025 8:20	RC/JU	Ok
2	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00	RC/JU	Ok
3	SSTDICC005	BG064570.D	24 Oct 2025 9:41	RC/JU	Ok,M
4	SSTDICC010	BG064571.D	24 Oct 2025 11:02	RC/JU	Ok,M
5	SSTDICC020	BG064572.D	24 Oct 2025 12:23	RC/JU	Ok,M
6	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	RC/JU	Ok,M
7	SSTDICC060	BG064574.D	24 Oct 2025 13:44	RC/JU	Ok,M
8	SSTDICC080	BG064575.D	24 Oct 2025 14:24	RC/JU	Ok,M
9	SSTDICC050	BG064576.D	24 Oct 2025 15:32	RC/JU	Ok,M
10	SSTDICV040	BG064577.D	24 Oct 2025 16:47	RC/JU	Ok
11	PB170222BL	BG064578.D	24 Oct 2025 17:28	RC/JU	Not Ok
12	Q3405-02	BG064579.D	24 Oct 2025 18:08	RC/JU	Ok
13	Q3405-03	BG064580.D	24 Oct 2025 18:49	RC/JU	Ok
14	Q3405-04	BG064581.D	24 Oct 2025 19:30	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG110625

Review By	rahul	Review On	11/6/2025 3:55:54 PM		
Supervise By	Jagrut	Supervise On	11/10/2025 2:06:55 PM		
SubDirectory	BG110625	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064698.D	6 Nov 2025 11:32	RC/JU	Ok
2	SSTDCCC040	BG064699.D	6 Nov 2025 12:13	RC/JU	Ok,M
3	PB170421BL	BG064700.D	6 Nov 2025 12:54	RC/JU	Ok
4	PB170421BS	BG064701.D	6 Nov 2025 13:35	RC/JU	Ok,M
5	Q3546-01	BG064702.D	6 Nov 2025 14:25	RC/JU	Ok
6	Q3544-01	BG064703.D	6 Nov 2025 15:06	RC/JU	Ok
7	Q3544-01MS	BG064704.D	6 Nov 2025 15:47	RC/JU	Ok,M
8	Q3544-01MSD	BG064705.D	6 Nov 2025 16:28	RC/JU	Ok,M
9	Q3534-07	BG064706.D	6 Nov 2025 17:09	RC/JU	Ok
10	Q3537-02	BG064707.D	6 Nov 2025 17:50	RC/JU	Not Ok
11	Q3532-04	BG064708.D	6 Nov 2025 18:30	RC/JU	Ok
12	Q3532-04MS	BG064709.D	6 Nov 2025 19:11	RC/JU	Ok,M
13	Q3532-04MSD	BG064710.D	6 Nov 2025 19:52	RC/JU	Ok,M
14	Q3534-01	BG064711.D	6 Nov 2025 20:33	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP102925

Review By	rahul	Review On	10/30/2025 8:52:33 AM		
Supervise By	Jagrut	Supervise On	11/4/2025 3:53:07 PM		
SubDirectory	BP102925	HP Acquire Method	BNA_P	HP Processing Method	BP102925

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP026027.D	29 Oct 2025 08:45	RC/JU	Ok
2	SSTDICC2.5	BP026028.D	29 Oct 2025 09:26	RC/JU	Ok
3	SSTDICC005	BP026029.D	29 Oct 2025 10:07	RC/JU	Ok
4	SSTDICC010	BP026030.D	29 Oct 2025 10:48	RC/JU	Ok,M
5	SSTDICC020	BP026031.D	29 Oct 2025 11:29	RC/JU	Ok,M
6	SSTDICCC040	BP026032.D	29 Oct 2025 12:10	RC/JU	Ok
7	SSTDICC050	BP026033.D	29 Oct 2025 12:51	RC/JU	Ok,M
8	SSTDICC060	BP026034.D	29 Oct 2025 13:32	RC/JU	Ok
9	SSTDICC080	BP026035.D	29 Oct 2025 14:13	RC/JU	Ok,M
10	SSTDICV040	BP026036.D	29 Oct 2025 16:09	RC/JU	Ok,M
11	PB170259BL	BP026037.D	29 Oct 2025 16:50	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP110625

Review By	rahul	Review On	11/6/2025 3:53:26 PM		
Supervise By	Jagrut	Supervise On	11/10/2025 2:04:52 PM		
SubDirectory	BP110625	HP Acquire Method	BNA_P	HP Processing Method	BP102925

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP026075.D	06 Nov 2025 12:44	RC/JU	Ok
2	SSTDCCC040	BP026076.D	06 Nov 2025 13:25	RC/JU	Ok,M
3	PB170424BL	BP026077.D	06 Nov 2025 14:13	RC/JU	Ok
4	PB170424BS	BP026078.D	06 Nov 2025 14:54	RC/JU	Ok,M
5	PB170424BSD	BP026079.D	06 Nov 2025 15:35	RC/JU	Ok,M
6	Q3534-09	BP026080.D	06 Nov 2025 17:04	RC/JU	Ok
7	Q3534-10	BP026081.D	06 Nov 2025 17:45	RC/JU	Ok
8	Q3534-03	BP026082.D	06 Nov 2025 18:26	RC/JU	Ok
9	Q3534-04	BP026083.D	06 Nov 2025 19:07	RC/JU	Ok
10	Q3534-06	BP026084.D	06 Nov 2025 19:48	RC/JU	Ok
11	Q3537-03	BP026085.D	06 Nov 2025 20:30	RC/JU	Ok
12	Q3552-01	BP026086.D	06 Nov 2025 21:11	RC/JU	Ok
13	Q3552-02	BP026087.D	06 Nov 2025 21:52	RC/JU	Ok
14	Q3552-04	BP026088.D	06 Nov 2025 22:33	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM		
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM		
SubDirectory	BF110525	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144168.D	05 Nov 2025 12:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF144170.D	05 Nov 2025 13:20		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF144171.D	05 Nov 2025 13:50		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF144172.D	05 Nov 2025 14:20		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	Compound #41 kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF144174.D	05 Nov 2025 15:49		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF144175.D	05 Nov 2025 16:19		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF144176.D	05 Nov 2025 16:49		RC/JU	Ok
10	SSTDICV040	ICVBF110525	BF144177.D	05 Nov 2025 17:21		RC/JU	Ok,M
11	PB170372BL	PB170372BL	BF144178.D	05 Nov 2025 18:10		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110625

Review By	rahul	Review On	11/6/2025 3:51:49 PM		
Supervise By	Jagrut	Supervise On	11/10/2025 2:04:15 PM		
SubDirectory	BF110625	HP Acquire Method	BNA_P	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144179.D	06 Nov 2025 10:44		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144180.D	06 Nov 2025 11:13		RC/JU	Ok
3	PB170402BL	PB170402BL	BF144181.D	06 Nov 2025 11:42		RC/JU	Ok
4	PB170402BS	PB170402BS	BF144182.D	06 Nov 2025 12:12		RC/JU	Ok,M
5	Q3549-02	RT4922	BF144183.D	06 Nov 2025 12:56		RC/JU	Ok
6	Q3537-01	MW-17-SOIL	BF144184.D	06 Nov 2025 13:26		RC/JU	Ok
7	Q3532-01	TP-1	BF144185.D	06 Nov 2025 13:56		RC/JU	Ok
8	Q3532-05	TP-2	BF144186.D	06 Nov 2025 14:25		RC/JU	Ok
9	Q3532-05MS	TP-2MS	BF144187.D	06 Nov 2025 14:55		RC/JU	Ok,M
10	Q3532-05MSD	TP-2MSD	BF144188.D	06 Nov 2025 15:25		RC/JU	Ok,M
11	Q3541-01	N48969	BF144189.D	06 Nov 2025 15:54		RC/JU	Ok
12	Q3534-01	MW-6	BF144190.D	06 Nov 2025 16:24	Internal standard fail	RC/JU	ReRun
13	Q3534-02	MW-1	BF144191.D	06 Nov 2025 16:54		RC/JU	Ok,M
14	Q3534-05	MW-EB-1	BF144192.D	06 Nov 2025 17:24		RC/JU	Ok
15	Q3552-03	MW-9	BF144193.D	06 Nov 2025 17:53		RC/JU	Ok
16	Q3552-05	MW-3	BF144194.D	06 Nov 2025 18:23		RC/JU	Ok
17	Q3532-08	TP-2	BF144195.D	06 Nov 2025 18:53		RC/JU	Ok
18	Q3544-04	ONYX-1	BF144196.D	06 Nov 2025 19:23		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110625

Review By	rahul	Review On	11/6/2025 3:51:49 PM		
Supervise By	Jagrut	Supervise On	11/10/2025 2:04:15 PM		
SubDirectory	BF110625	HP Acquire Method	BNA_P	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:16 AM		
SubDirectory	BG102425	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064568.D	24 Oct 2025 8:20		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064570.D	24 Oct 2025 9:41		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064571.D	24 Oct 2025 11:02		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064572.D	24 Oct 2025 12:23	Compound #32 kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	Compound #26,48,51,54,57,65 are kept on LR	RC/JU	Ok,M
7	SSTDICC060	SSTDICC060	BG064574.D	24 Oct 2025 13:44		RC/JU	Ok,M
8	SSTDICC080	SSTDICC080	BG064575.D	24 Oct 2025 14:24		RC/JU	Ok,M
9	SSTDICC050	SSTDICC050	BG064576.D	24 Oct 2025 15:32		RC/JU	Ok,M
10	SSTDICV040	ICVBG102425	BG064577.D	24 Oct 2025 16:47	compound #77 failed in the ICV.	RC/JU	Ok
11	PB170222BL	PB170222BL	BG064578.D	24 Oct 2025 17:28	Analyzed for contamination check	RC/JU	Not Ok
12	Q3405-02	PAD-10-20-25-B	BG064579.D	24 Oct 2025 18:08		RC/JU	Ok
13	Q3405-03	PAD-10-20-25-C	BG064580.D	24 Oct 2025 18:49		RC/JU	Ok
14	Q3405-04	SW-10-20-25	BG064581.D	24 Oct 2025 19:30		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG110625

Review By	rahul	Review On	11/6/2025 3:55:54 PM		
Supervise By	Jagrut	Supervise On	11/10/2025 2:06:55 PM		
SubDirectory	BG110625	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064698.D	6 Nov 2025 11:32		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064699.D	6 Nov 2025 12:13	CCC fail high side for com. #23,26,34,42,43,51,57,59 and #65	RC/JU	Ok,M
3	PB170421BL	PB170421BL	BG064700.D	6 Nov 2025 12:54		RC/JU	Ok
4	PB170421BS	PB170421BS	BG064701.D	6 Nov 2025 13:35		RC/JU	Ok,M
5	Q3546-01	TP-COMP	BG064702.D	6 Nov 2025 14:25		RC/JU	Ok
6	Q3544-01	ONYX-1	BG064703.D	6 Nov 2025 15:06		RC/JU	Ok
7	Q3544-01MS	ONYX-1MS	BG064704.D	6 Nov 2025 15:47		RC/JU	Ok,M
8	Q3544-01MSD	ONYX-1MSD	BG064705.D	6 Nov 2025 16:28		RC/JU	Ok,M
9	Q3534-07	MW-EB-3	BG064706.D	6 Nov 2025 17:09		RC/JU	Ok
10	Q3537-02	MW-17-SOIL	BG064707.D	6 Nov 2025 17:50	Internal standard not added	RC/JU	Not Ok
11	Q3532-04	TP-1	BG064708.D	6 Nov 2025 18:30		RC/JU	Ok
12	Q3532-04MS	TP-1MS	BG064709.D	6 Nov 2025 19:11		RC/JU	Ok,M
13	Q3532-04MSD	TP-1MSD	BG064710.D	6 Nov 2025 19:52		RC/JU	Ok,M
14	Q3534-01	MW-6	BG064711.D	6 Nov 2025 20:33		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP102925

Review By	rahul	Review On	10/30/2025 8:52:33 AM		
Supervise By	Jagrut	Supervise On	11/4/2025 3:53:07 PM		
SubDirectory	BP102925	HP Acquire Method	BNA_P	HP Processing Method	BP102925

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP026027.D	29 Oct 2025 08:45		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP026028.D	29 Oct 2025 09:26		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP026029.D	29 Oct 2025 10:07		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BP026030.D	29 Oct 2025 10:48		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP026031.D	29 Oct 2025 11:29		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP026032.D	29 Oct 2025 12:10	Compound #26,48,51,53,57,80,84 are kept on LR & Compound #32,54,65 are kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP026033.D	29 Oct 2025 12:51		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP026034.D	29 Oct 2025 13:32		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP026035.D	29 Oct 2025 14:13	Compound #26 is removed from 80ppm & 60PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP102925	BP026036.D	29 Oct 2025 16:09		RC/JU	Ok,M
11	PB170259BL	PB170259BL	BP026037.D	29 Oct 2025 16:50		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP110625

Review By	rahul	Review On	11/6/2025 3:53:26 PM		
Supervise By	Jagrut	Supervise On	11/10/2025 2:04:52 PM		
SubDirectory	BP110625	HP Acquire Method	BNA_P	HP Processing Method	BP102925

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP026075.D	06 Nov 2025 12:44		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP026076.D	06 Nov 2025 13:25	CCC Fail high for Com#26,32,41,42,54,59,65,70 Need #85	RC/JU	Ok,M
3	PB170424BL	PB170424BL	BP026077.D	06 Nov 2025 14:13		RC/JU	Ok
4	PB170424BS	PB170424BS	BP026078.D	06 Nov 2025 14:54		RC/JU	Ok,M
5	PB170424BSD	PB170424BSD	BP026079.D	06 Nov 2025 15:35		RC/JU	Ok,M
6	Q3534-09	FB-1	BP026080.D	06 Nov 2025 17:04	Split volume (True value adjusted).	RC/JU	Ok
7	Q3534-10	EB-1	BP026081.D	06 Nov 2025 17:45	Split volume (True value adjusted).	RC/JU	Ok
8	Q3534-03	MW-11	BP026082.D	06 Nov 2025 18:26		RC/JU	Ok
9	Q3534-04	MW-5	BP026083.D	06 Nov 2025 19:07		RC/JU	Ok
10	Q3534-06	MW-EB-2	BP026084.D	06 Nov 2025 19:48		RC/JU	Ok
11	Q3537-03	MW-17-PURGE-WATEI	BP026085.D	06 Nov 2025 20:30		RC/JU	Ok
12	Q3552-01	MW-4	BP026086.D	06 Nov 2025 21:11		RC/JU	Ok
13	Q3552-02	MW-8	BP026087.D	06 Nov 2025 21:52		RC/JU	Ok
14	Q3552-04	MW-10	BP026088.D	06 Nov 2025 22:33		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170424

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Extraction Start Date : 11/06/2025

Matrix : Water

Extraction Start Time : 08:35

Weigh By: N/A

Extraction By: RS

Extraction End Date : 11/06/2025

Balance check: N/A

Filter By: RS

Extraction End Time : 13:35

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3953

Hood ID: 4,6,7

Supervisor By : RUPESH

Extraction Method: [√] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [_] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6895
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3980
Baked Na2SO4	N/A	EP2655
H2SO4 1:1	N/A	EP2657
10N NaoH	N/A	EP2658
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH, 1.5ML Vial Lot # 2210443. Q3534-09 & 10 split the volume.

KD Bath ID: WATER BATH-1

Envap ID: NE VAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/25	RS(Ext-lab)	JH/SVOC
13:40	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170424

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 11/06/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170424BL	SBLK424	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB170424BS	SLCS424	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB170424BSD	SLCSD424	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q3534-01	MW-6	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	N		4
Q3534-02	MW-1	SVOC-TCL BNA -20	940	6	RUPESH	ritesh	1	N		5
Q3534-03	MW-11	SVOC-TCL BNA -20	980	6	RUPESH	ritesh	1	N		6
Q3534-04	MW-5	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	N		7
Q3534-05	MW-EB-1	SVOC-TCL BNA -20	960	6	RUPESH	ritesh	1	N		8
Q3534-06	MW-EB-2	SVOC-TCL BNA -20	980	6	RUPESH	ritesh	1	N		9
Q3534-07	MW-EB-3	SVOC-TCL BNA -20	970	6	RUPESH	ritesh	1	N		10
Q3534-09	FB-1	SVOC-TCL BNA -20	500	6	RUPESH	ritesh	0.5	G		11
Q3534-10	EB-1	SVOC-TCL BNA -20	500	6	RUPESH	ritesh	0.5	G		12
Q3537-03	MW-17-PURGE-WATER	SVOC-TCL BNA -20	980	6	RUPESH	ritesh	1	N		13
Q3541-01	N48969	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	N		14
Q3552-01	MW-4	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	N		15
Q3552-02	MW-8	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	N		16
Q3552-03	MW-9	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	N		SEP-1
Q3552-04	MW-10	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	N		2
Q3552-05	MW-3	SVOC-TCL BNA -20	940	6	RUPESH	ritesh	1	N		3

RS
11/6

* **Extracts relinguished on the same date as received.**

170424
8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3534 **WorkList ID :** 192932 **Department :** Extraction **Date :** 11-06-2025 08:28:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3534-01	MW-6	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D31	11/03/2025	8270E
Q3534-02	MW-1	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D31	11/03/2025	8270E
Q3534-03	MW-11	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D31	11/03/2025	8270E
Q3534-04	MW-5	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D31	11/04/2025	8270E
Q3534-05	MW-EB-1	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D31	11/03/2025	8270E
Q3534-06	MW-EB-2	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D31	11/04/2025	8270E
Q3534-07	MW-EB-3	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D31	11/03/2025	8270E
Q3534-09	FB-1	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D31	11/04/2025	8270E
Q3534-10	EB-1	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02		11/04/2025	8270E
Q3537-03	MW-17-PURGE-WATER	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/04/2025	8270E
Q3541-01	N48969	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/04/2025	8270E
Q3552-01	MW-4	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D41	11/04/2025	8270E
Q3552-02	MW-8	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D41	11/04/2025	8270E
Q3552-03	MW-9	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D41	11/04/2025	8270E
Q3552-04	MW-10	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D41	11/05/2025	8270E
Q3552-05	MW-3	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D41	11/04/2025	8270E

Date/Time 11/6/25 8:30
Raw Sample Received by: RS (Ext lab)
Raw Sample Relinquished by: SM

Date/Time 11/6/25 9:15
Raw Sample Received by: SM
Raw Sample Relinquished by: RS (Ext lab)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3534
COC Number 2046908

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Remington & Vernick Engineers
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle.Carlson@rve.com
PHONE: 609-682-3099 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Edison Landfill
PROJECT NO.: 1205T007 LOCATION: Edison, NJ
PROJECT MANAGER: Leslie Hartzell
e-mail: Leslie.Hartzell@rve.com
PHONE: 610-663-4665 FAX:

CLIENT BILLING INFORMATION

BILL TO: APinvoices@rve.com PO#: 1205T007
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Leslie Hartzell PHONE: 610-663-4665

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STAT DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other _____
☒ EDD FORMAT Hatsite

ANALYSIS

1. TCL/TAL + 30
2. VOCs
3. TAL/Metals/Mercury
4. Cyanide
5. COD
6. TKN
7. Oil & Grease
8. Hexchrome
9. VOCs (blank)

PRESERVATIVES / COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1 E	2 A	3 B	4 D	5 C	6 C	7 C	8 F	9 F	COMMENTS (← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER)
1.	MW-6	GW		X	11/3/25	10:45	15	7	2	1	1	1	1	1	1		aluminum sulfate pillow
2.	MW-1	GW		X	11/3/25	11:50	15	7	2	1	1	1	1	1	1		
3.	MW-11	GW		X	11/3/25	12:00	15	7	2	1	1	1	1	1	1		
4.	MW-5	GW		X	11/4/25	10:20	15	7	2	1	1	1	1	1	1		
5.	MW-EB-1	GW		X	11/3/25	15:00	15	7	2	1	1	1	1	1	1		
6.	MW-EB-2	GW		X	11/4/25	10:05	15	7	2	1	1	1	1	1	1		
7.	MW-EB-3	GW		X	11/3/25	14:30	15	7	2	1	1	1	1	1	1		
8.	TB-1	GW		X	11/3/25	8:00	2		2								trip blank
9.	FB-1	GW		X	11/4/25	11:20	11	2	2	1	1			1	1	3	field blank
10.	EB-1	GW		X	11/4/25	11:20	5		2							3	equipment blank

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Arina Moser	11/4/25 (11:30)	1. 1218 11-4-25
2.		2.
3.	1310 11-4-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Yazmeen Gomez
Sent: Wednesday, November 05, 2025 4:05 PM
To: Mohammad Ahmed
Subject: FW: Chain of Custody 11/4/25

Importance: High

q3534 - sample 11. I just added TCL+30, Hex Chrom, Oil and Grease and SVOC-SIM.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com AST AEM AAS

From: Justin Zarzecki <Justin.Zarzecki@rve.com>
Sent: Wednesday, November 5, 2025 3:29 PM
To: Yazmeen Gomez <yazmeen.gomez@alliancetg.com>
Cc: Leslie Hartzell <leslie.hartzell@rve.com>; Kyle Carlson <Kyle.Carlson@rve.com>
Subject: Chain of Custody 11/4/25

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Secured by Check Point

Good morning yazmeen,

I took a look over our chains from yesterday and I noticed an error on our end. For our Sample EB-1, we put the incorrect number of bottles. The bottle numbers/analyses for EB-1 should match the analyses for Fb-1. Attached a picture of the chain below for reference. Please let me know if you have any questions

RELINQUISHED BY SAMPLER: 1. Arina Moaer	D 11
RELINQUISHED BY SAMPLER: 2.	D
RELINQUISHED BY SAMPLER: 3.	D

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From: Yazmeen Gomez
Sent: Wednesday, November 05, 2025 10:14 AM
To: Kyle Carlson
Subject: RE: Login Summary Details For Project Edison Landfill-Q3534.

Good morning Kyle,

I meant to send an email to Justin yesterday. We did not receive the TB.
We received the vials for the samples, EBs and FBs but the TB's were the only vials missing from the coolers.

I had Sample Management double check the labels and each vial to make sure they weren't overlooked but no TBs were found.

The TB's would be Two 40mL Vials with HCl.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Kyle Carlson <Kyle.Carlson@rve.com>
Sent: Wednesday, November 5, 2025 10:06 AM
To: Yazmeen Gomez <yazmeen.gomez@alliancetg.com>
Subject: Fw: Login Summary Details For Project Edison Landfill-Q3534.

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Secured by Check Point

Good morning Yazmeen - Could I please request that the Trip Blank "TB-1" sample is added to this project login? We had this one on the COC but I didn't see it here in the login.

Please let me know, thanks!

Regards,

Kyle Carlson, LSRP

Environmental Project Manager

Remington & Vernick Engineers

2059 Springdale Road

Cherry Hill, NJ 08003

Cell: (609) 682-3049

Kyle.Carlson@rve.com

Offices throughout NJ ● PA ● MD ● DE ● NC

RVE.com | LinkedIn

From: Data-EWR@alliancetg.com <Data-EWR@alliancetg.com>
Sent: Tuesday, November 4, 2025 3:27 PM
To: Kyle Carlson <Kyle.Carlson@rve.com>
Cc: YAZMEEN.GOMEZ@AllianceTG.com <YAZMEEN.GOMEZ@AllianceTG.com>
Subject: Login Summary Details For Project Edison Landfill-Q3534.

To Kyle Carlson;

Please see the attached Login Summary for the following project, or download the file using your login credentials from the link below.

Order ID	: Q3534
Project ID	: Edison Landfill
Download File	: https://chemtech.net/secureLogin.aspx
Order Date	: 11/4/2025 1:29:44 PM

Alliance's Project Manager : YAZMEEN GOMEZ , YAZMEEN.GOMEZ@AllianceTG.com , 908-728-3147
Alliance's Sales Executive : Jordan Hedvat , Jordan.Hedvat@AllianceTG.com , 908-728-3144

Thank you for the opportunity to provide you with our services. For any questions please feel free to contact your project manager.

Click Here for our short online customer Survey http://chemtech.net/ClientSurvey.aspx .

Thank you,

Alliance Technical Group LLC.

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