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

Cover Page

Order ID : Q2832

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q2832-01	TG-S01
Q2832-02	TG-S01
Q2832-03	TG-S02
Q2832-04	TG-S02
Q2832-05	TG-S03
Q2832-06	TG-S03
Q2832-07	TG-S04
Q2832-08	TG-S04
Q2832-09	TG-S05
Q2832-10	TG-S05

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 8/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2832**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **MAHESH PATEL** **Date:** **08/25/2025**

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

LAB CHRONICLE

OrderID:	Q2832	**OrderDate:**	8/12/2025 9:37:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	J21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2832-02	**TG-S01**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP BNA	8270E		08/14/25	08/16/25	
Q2832-04	**TG-S02**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP BNA	8270E		08/14/25	08/16/25	
Q2832-06	**TG-S03**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP BNA	8270E		08/14/25	08/16/25	
Q2832-08	**TG-S04**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP BNA	8270E		08/14/25	08/16/25	
Q2832-10	**TG-S05**	**TCLP**			**08/12/25**			**08/12/25**
			TCLP BNA	8270E		08/14/25	08/18/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

QC
SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169212TB	PB169212TB	2-Fluorophenol	150	124	83		15 (23)	110 (138)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	89.6	90		30 (67)	130 (132)
		2-Fluorobiphenyl	100	84.4	84		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	135	90		15 (44)	110 (137)
		Terphenyl-d14	100	88.3	88		30 (42)	130 (152)
PB169275BL	PB169275BL	2-Fluorophenol	150	122	81		15 (23)	110 (138)
		Phenol-d6	150	120	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	74.3	74		30 (67)	130 (132)
		2-Fluorobiphenyl	100	72.4	72		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	119	79		15 (44)	110 (137)
		Terphenyl-d14	100	76.2	76		30 (42)	130 (152)
PB169275BS	PB169275BS	2-Fluorophenol	150	115	77		15 (23)	110 (138)
		Phenol-d6	150	112	74		15 (10)	110 (134)
		Nitrobenzene-d5	100	71.9	72		30 (67)	130 (132)
		2-Fluorobiphenyl	100	70.6	71		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	108	72		15 (44)	110 (137)
		Terphenyl-d14	100	68.6	69		30 (42)	130 (152)
Q2832-02	TG-S01	2-Fluorophenol	150	117	78		15 (23)	110 (138)
		Phenol-d6	150	109	72		15 (10)	110 (134)
		Nitrobenzene-d5	100	78.9	79		30 (67)	130 (132)
		2-Fluorobiphenyl	100	74.3	74		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	127	85		15 (44)	110 (137)
		Terphenyl-d14	100	75.6	76		30 (42)	130 (152)
Q2832-02MS	TG-S01MS	2-Fluorophenol	150	109	73		15 (23)	110 (138)
		Phenol-d6	150	104	69		15 (10)	110 (134)
		Nitrobenzene-d5	100	73.3	73		30 (67)	130 (132)
		2-Fluorobiphenyl	100	67.2	67		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	114	76		15 (44)	110 (137)
		Terphenyl-d14	100	73.2	73		30 (42)	130 (152)
Q2832-02MSD	TG-S01MSD	2-Fluorophenol	150	122	81		15 (23)	110 (138)
		Phenol-d6	150	118	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.8	81		30 (67)	130 (132)
		2-Fluorobiphenyl	100	74.9	75		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	132	88		15 (44)	110 (137)
		Terphenyl-d14	100	83.6	84		30 (42)	130 (152)
Q2832-04	TG-S02	2-Fluorophenol	150	127	85		15 (23)	110 (138)
		Phenol-d6	150	118	79		15 (10)	110 (134)
		Nitrobenzene-d5	100	86.5	86		30 (67)	130 (132)
		2-Fluorobiphenyl	100	79.1	79		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	143	95		15 (44)	110 (137)
		Terphenyl-d14	100	83.1	83		30 (42)	130 (152)
Q2832-06	TG-S03	2-Fluorophenol	150	115	76		15 (23)	110 (138)
		Phenol-d6	150	106	71		15 (10)	110 (134)
		Nitrobenzene-d5	100	77.7	78		30 (67)	130 (132)
		2-Fluorobiphenyl	100	73.9	74		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	126	84		15 (44)	110 (137)
		Terphenyl-d14	100	76.9	77		30 (42)	130 (152)
Q2832-08	TG-S04	2-Fluorophenol	150	115	77		15 (23)	110 (138)
		Phenol-d6	150	112	75		15 (10)	110 (134)
		Nitrobenzene-d5	100	76.1	76		30 (67)	130 (132)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SW-846

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2832-08	TG-S04	2-Fluorobiphenyl	100	71.4	71		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	125	83		15 (44)	110 (137)
		Terphenyl-d14	100	75.7	76		30 (42)	130 (152)
Q2832-10	TG-S05	2-Fluorophenol	150	131	87		15 (23)	110 (138)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (67)	130 (132)
		2-Fluorobiphenyl	100	94.4	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	157	105		15 (44)	110 (137)
		Terphenyl-d14	100	96.0	96		30 (42)	130 (152)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** SW8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025449.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2832-02MS		**Client Sample ID: TG-S01MS**									
Pyridine	500	0	190	ug/L	38				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	270	ug/L	54	*			70 (55)	130 (125)	
2-Methylphenol	500	0	370	ug/L	74				70 (60)	130 (131)	
3+4-Methylphenols	500	0	380	ug/L	76				20 (54)	160 (136)	
Hexachloroethane	500	0	270	ug/L	54				20 (19)	160 (146)	
Nitrobenzene	500	0	360	ug/L	72				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	310	ug/L	62	*			70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	430	ug/L	86				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	440	ug/L	88				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	450	ug/L	90				70 (74)	130 (137)	
Hexachlorobenzene	500	0	410	ug/L	82				70 (72)	130 (115)	
Pentachlorophenol	1000	0	730	ug/L	73				20 (52)	160 (162)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** SW8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025450.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q2832-02MSD		**Client Sample ID: TG-S01MSD**									
Pyridine	500	0	230	ug/L	46		19		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	310	ug/L	62	*	14		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	420	ug/L	84		13		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	430	ug/L	86		12		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	300	ug/L	60		11		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	400	ug/L	80		11		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	350	ug/L	70		12		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	480	ug/L	96		11		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	480	ug/L	96		9		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	510	ug/L	102		13		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	460	ug/L	92		11		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	880	ug/L	88		19		20 (52)	160 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** 8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025440.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169275BS	Pyridine	50	32.4	ug/L	65				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	37.8	ug/L	76				70 (76)	130 (103)	
	2-Methylphenol	50	39.0	ug/L	78				70 (69)	130 (109)	
	3+4-Methylphenols	50	37.6	ug/L	75				20 (67)	160 (106)	
	Hexachloroethane	50	38.7	ug/L	77				20 (76)	160 (118)	
	Nitrobenzene	50	40.1	ug/L	80				70 (58)	130 (106)	
	Hexachlorobutadiene	50	38.3	ug/L	77				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	41.0	ug/L	82				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	41.3	ug/L	83				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	40.3	ug/L	81				70 (60)	130 (115)	
	Hexachlorobenzene	50	39.8	ug/L	80				70 (73)	130 (106)	
	Pentachlorophenol	100	85.4	ug/L	85				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169275BL

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG NO.: Q2832

Lab File ID: BP025439.D | Lab Sample ID: PB169275BL

Instrument ID: BNA_P | Date Extracted: 08/14/2025

Matrix: (soil/water) water | Date Analyzed: 08/16/2025

Level: (low/med) LOW | Time Analyzed: 00:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169275BS	PB169275BS	BP025440.D	08/16/2025
TG-S01	Q2832-02	BP025448.D	08/16/2025
TG-S01MS	Q2832-02MS	BP025449.D	08/16/2025
TG-S01MSD	Q2832-02MSD	BP025450.D	08/16/2025
TG-S02	Q2832-04	BP025451.D	08/16/2025
TG-S03	Q2832-06	BP025452.D	08/16/2025
TG-S04	Q2832-08	BP025453.D	08/16/2025
PB169212TB	PB169212TB	BF143430.D	08/18/2025
TG-S05	Q2832-10	BF143434.D	08/18/2025

COMMENTS:

Raw Data: **BF143415.D**

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab File ID: BF143415.D DFTPP Injection Date: 08/15/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	26.5
70	Less than 2.0% of mass 69	0.2 (0.6) 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	5.4
365	Greater than 1% of mass 198	2.9
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	19.5 (19.5) 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	BF143416.D	08/15/2025	14:29
SSTDICC005	SSTDICC005	BF143417.D	08/15/2025	14:58
SSTDICC010	SSTDICC010	BF143418.D	08/15/2025	15:28
SSTDICC020	SSTDICC020	BF143419.D	08/15/2025	15:58
SSTDICCC040	SSTDICCC040	BF143420.D	08/15/2025	16:28
SSTDICC050	SSTDICC050	BF143421.D	08/15/2025	16:58
SSTDICC060	SSTDICC060	BF143422.D	08/15/2025	17:27
SSTDICC080	SSTDICC080	BF143423.D	08/15/2025	17:57

Raw Data: **BF143428.D**

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab File ID: BF143428.D DFTPP Injection Date: 08/18/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (2) 1
69	Mass 69 relative abundance	24.2
70	Less than 2.0% of mass 69	0.1 (0.5) 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	4.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (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
SSTDCCC040	SSTDCCC040	BF143429.D	08/18/2025	09:06
PB169212TB	PB169212TB	BF143430.D	08/18/2025	09:35
TG-S05	Q2832-10	BF143434.D	08/18/2025	11:41

Raw Data: **BP025390.D**

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab File ID: BP025390.D DFTPP Injection Date: 08/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	23.1
70	Less than 2.0% of mass 69	0.1 (0.4) 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	5.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (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	BP025392.D	08/14/2025	12:33
SSTDICC005	SSTDICC005	BP025393.D	08/14/2025	13:15
SSTDICC010	SSTDICC010	BP025394.D	08/14/2025	13:56
SSTDICC020	SSTDICC020	BP025395.D	08/14/2025	14:38
SSTDICCC040	SSTDICCC040	BP025396.D	08/14/2025	15:19
SSTDICC050	SSTDICC050	BP025397.D	08/14/2025	16:01
SSTDICC060	SSTDICC060	BP025398.D	08/14/2025	16:42
SSTDICC080	SSTDICC080	BP025399.D	08/14/2025	17:24

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: PORT06

Lab Code: ACE — SDG NO.: Q2832

Lab File ID: BP025437.D — DFTPP Injection Date: 08/15/2025

Instrument ID: BNA_P — DFTPP Injection Time: 23:08

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	30.6
70	Less than 2.0% of mass 69	0.1 (0.5) 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	6.6
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 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	BP025438.D	08/15/2025	23:49
PB169275BL	PB169275BL	BP025439.D	08/16/2025	00:31
PB169275BS	PB169275BS	BP025440.D	08/16/2025	01:13
TG-S01	Q2832-02	BP025448.D	08/16/2025	06:45
TG-S01MS	Q2832-02MS	BP025449.D	08/16/2025	07:26
TG-S01MSD	Q2832-02MSD	BP025450.D	08/16/2025	08:07
TG-S02	Q2832-04	BP025451.D	08/16/2025	08:48
TG-S03	Q2832-06	BP025452.D	08/16/2025	09:29
TG-S04	Q2832-08	BP025453.D	08/16/2025	10:11

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID : SSTDCCC040 Date Analyzed: 08/18/2025

Lab File ID: BF143429.D Time Analyzed: 09:06

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	131653	6.928	514889	8.21	280712	9.96
	UPPER LIMIT	263306	7.428	1029780	8.71	561424	10.463
	LOWER LIMIT	65826.5	6.428	257445	7.71	140356	9.463
	EPA SAMPLE NO.						
01	PB169212TB	132193	6.93	514539	8.20	291463	9.96
02	TG-S05	115498	6.93	444901	8.20	246416	9.96

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID: SSTDCCC040 Date Analyzed: 08/18/2025

Lab File ID: BF143429.D Time Analyzed: 09:06

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	444924	11.445	223862	14.086	265880	15.574
	UPPER LIMIT	889848	11.945	447724	14.586	531760	16.074
	LOWER LIMIT	222462	10.945	111931	13.586	132940	15.074
	EPA SAMPLE NO.						
01	PB169212TB	501580	11.45	313116	14.09	239207	15.57
02	TG-S05	401400	11.45	273750	14.09	259673	15.57

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID : SSTDCCC040 Date Analyzed: 08/15/2025

Lab File ID: BP025438.D Time Analyzed: 23:49

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	147957	7.784	615943	10.56	396549	14.39
	UPPER LIMIT	295914	8.284	1231890	11.055	793098	14.89
	LOWER LIMIT	73978.5	7.284	307972	10.055	198275	13.89
	EPA SAMPLE NO.						
01	PB169275BL	156038	7.78	640900	10.55	435066	14.40
02	PB169275BS	148044	7.79	580625	10.55	358574	14.41
03	TG-S01	158542	7.79	622142	10.55	405060	14.40
04	TG-S01MS	164836	7.79	666618	10.56	437299	14.40
05	TG-S01MSD	152685	7.79	625908	10.55	422650	14.41
06	TG-S02	141359	7.79	556152	10.56	374083	14.40
07	TG-S03	149001	7.79	599860	10.55	384740	14.40
08	TG-S04	141077	7.79	575850	10.55	379729	14.40

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID: SSTDCCC040 Date Analyzed: 08/15/2025

Lab File ID: BP025438.D Time Analyzed: 23:49

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	781208	17.184	787537	21.625	892738	24.977
	UPPER LIMIT	1562420	17.684	1575070	22.125	1785480	25.477
	LOWER LIMIT	390604	16.684	393769	21.125	446369	24.477
	EPA SAMPLE NO.						
01	PB169275BL	892449	17.20	898807	21.64	991416	25.00
02	PB169275BS	675805	17.20	782158	21.64	908232	25.00
03	TG-S01	872287	17.20	920454	21.62	1004870	24.98
04	TG-S01MS	894593	17.20	925169	21.64	1055240	25.01
05	TG-S01MSD	867716	17.21	888384	21.64	1010790	25.00
06	TG-S02	813410	17.19	862873	21.63	957475	25.00
07	TG-S03	804671	17.20	873450	21.62	938419	24.99
08	TG-S04	826858	17.19	871981	21.63	942630	24.99

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.

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **BP025448.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-02	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025448.D	1	08/14/25 10:30	08/16/25 06:45	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	117		15 (23) - 110 (138)	78%	SPK: 150
13127-88-3	Phenol-d6	109		15 (10) - 110 (134)	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.9		30 (67) - 130 (132)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.3		30 (52) - 130 (132)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		15 (44) - 110 (137)	85%	SPK: 150
1718-51-0	Terphenyl-d14	75.6		30 (42) - 130 (152)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	159000	7.79			
1146-65-2	Naphthalene-d8	622000	10.554			
15067-26-2	Acenaphthene-d10	405000	14.401			
1517-22-2	Phenanthrene-d10	872000	17.195			
1719-03-5	Chrysene-d12	920000	21.624			
1520-96-3	Perylene-d12	1000000	24.977			

Raw Data: **BP025448.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-02	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025448.D	1	08/14/25 10:30	08/16/25 06:45	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **BP025448.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025448.D
Acq On : 16 Aug 2025 06:45
Operator : CG/JU
Sample : Q2832-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01

Quant Time: Aug 18 01:41:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

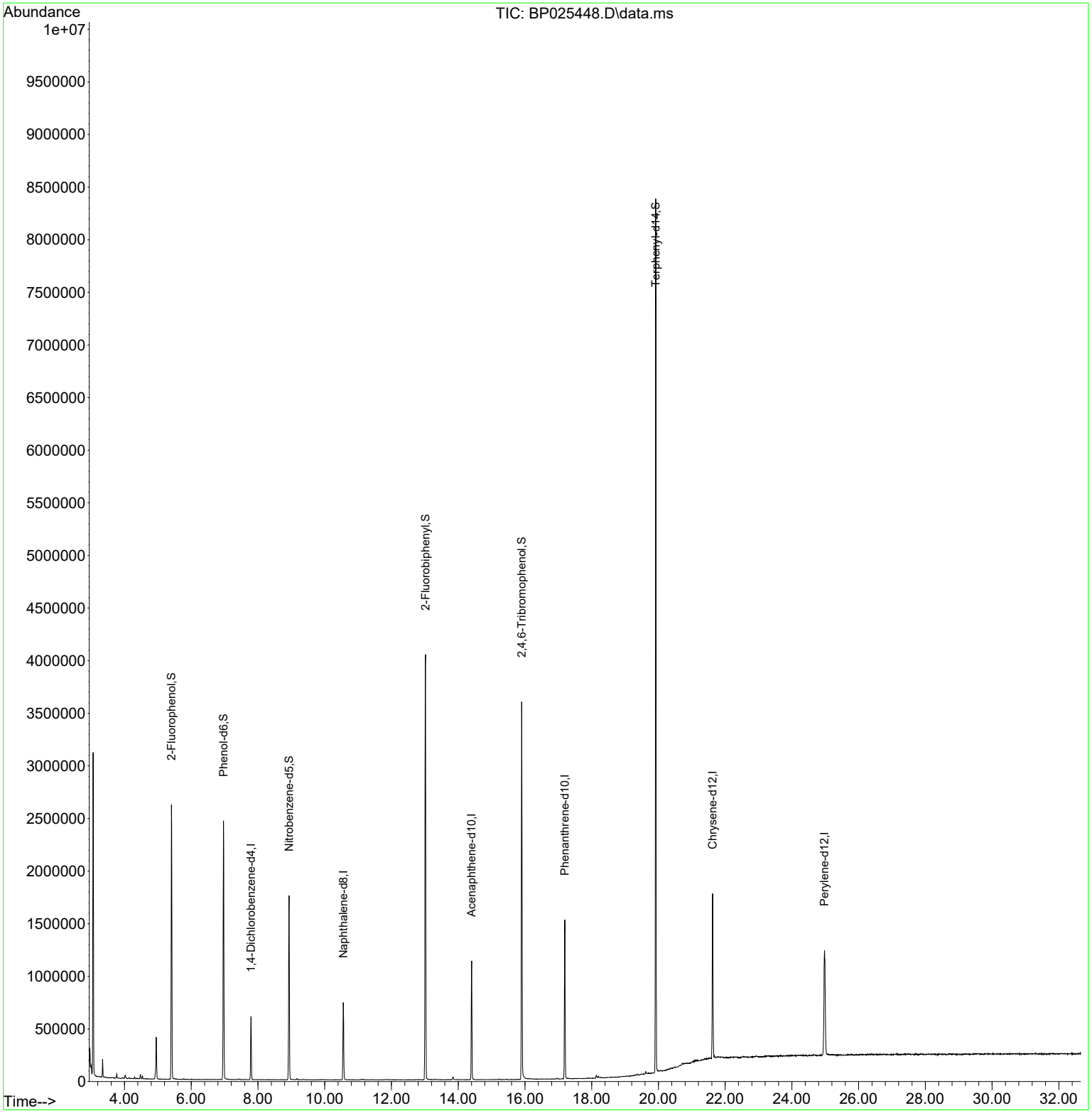
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	158542	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	622142	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	405060	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	872287	20.000	ng	0.00
76) Chrysene-d12	21.624	240	920454	20.000	ng	-0.02
86) Perylene-d12	24.977	264	1004867	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1119458	117.261	ng	0.00
7) Phenol-d6	6.966	99	1328551	108.545	ng	0.00
23) Nitrobenzene-d5	8.931	82	970733	78.929	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	692030	126.928	ng	-0.01
45) 2-Fluorobiphenyl	13.019	172	2203030	74.331	ng	0.00
79) Terphenyl-d14	19.919	244	3805322	75.638	ng	0.00
Target Compounds						Qvalue

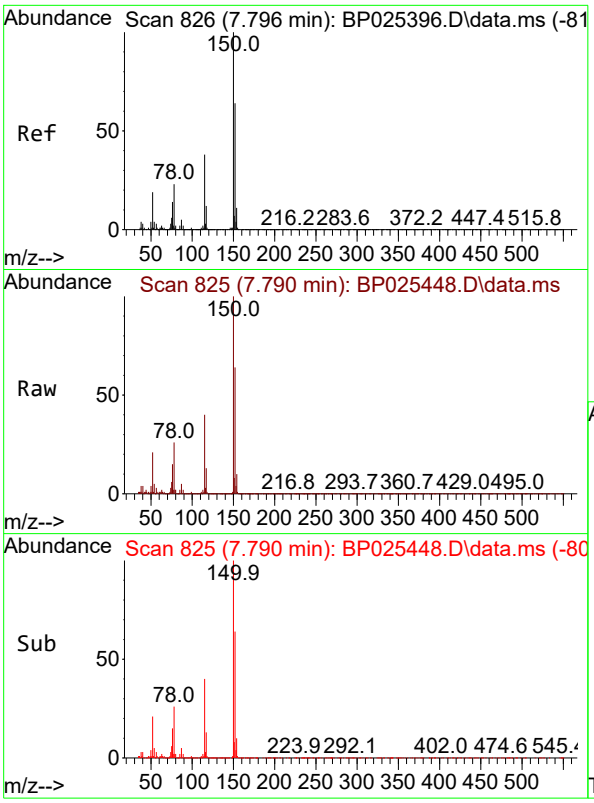
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025448.D
Acq On : 16 Aug 2025 06:45
Operator : CG/JU
Sample : Q2832-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01

Quant Time: Aug 18 01:41:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



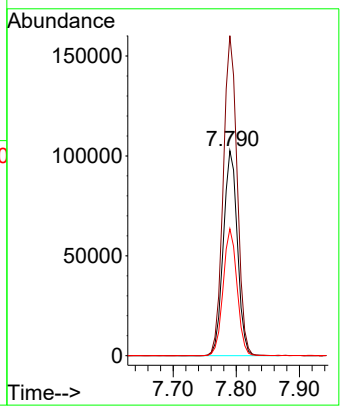


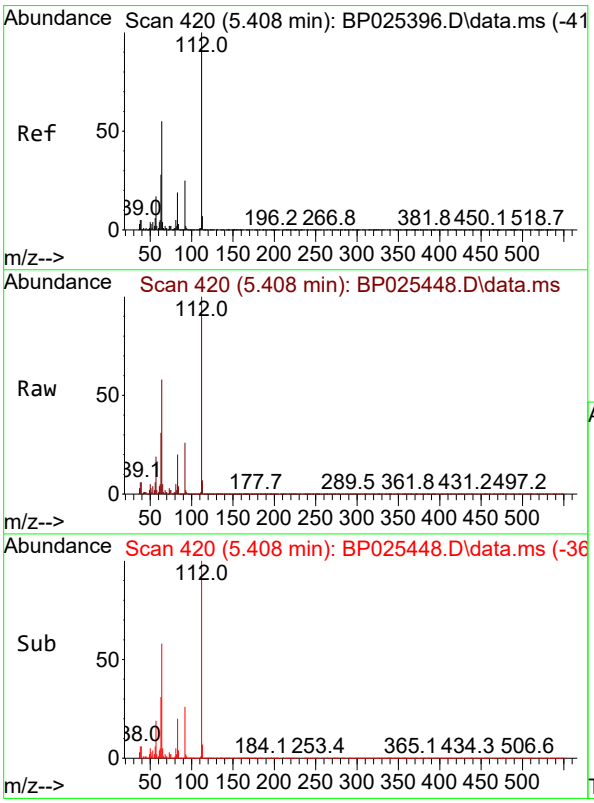
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Instrument :
BNA_P
ClientSampleId :
TG-S01

Tgt Ion:152 Resp: 158542

Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.9	188.9
115	61.9	48.5	72.7

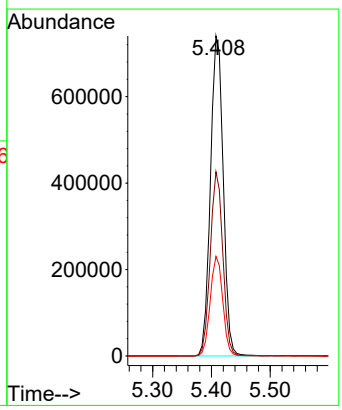


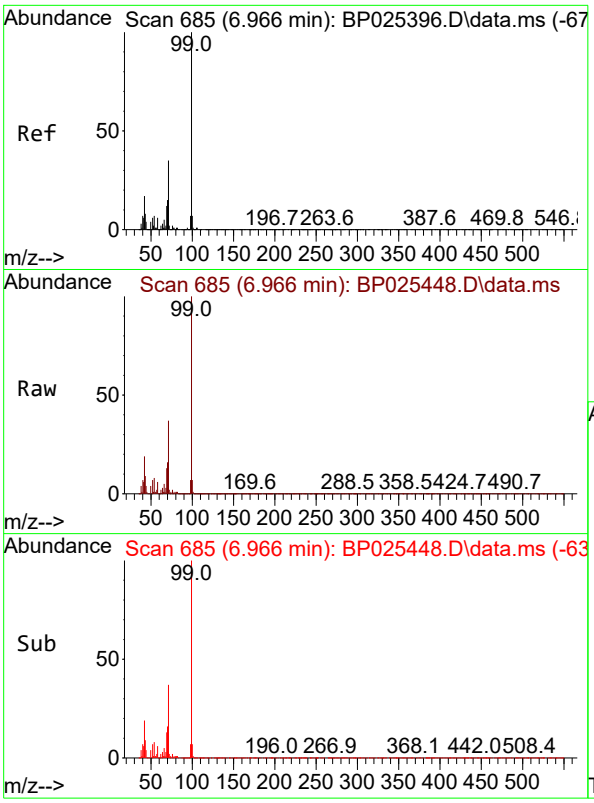


#5
2-Fluorophenol
Concen: 117.261 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Tgt Ion:112 Resp: 1119458

Ion	Ratio	Lower	Upper
112	100		
64	57.5	43.8	65.8
63	31.1	22.7	34.1



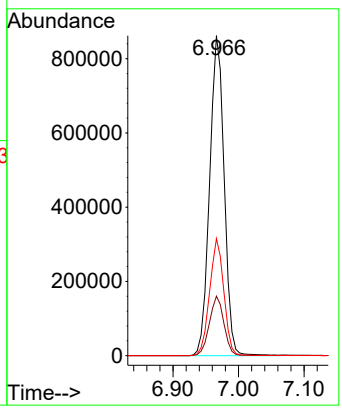


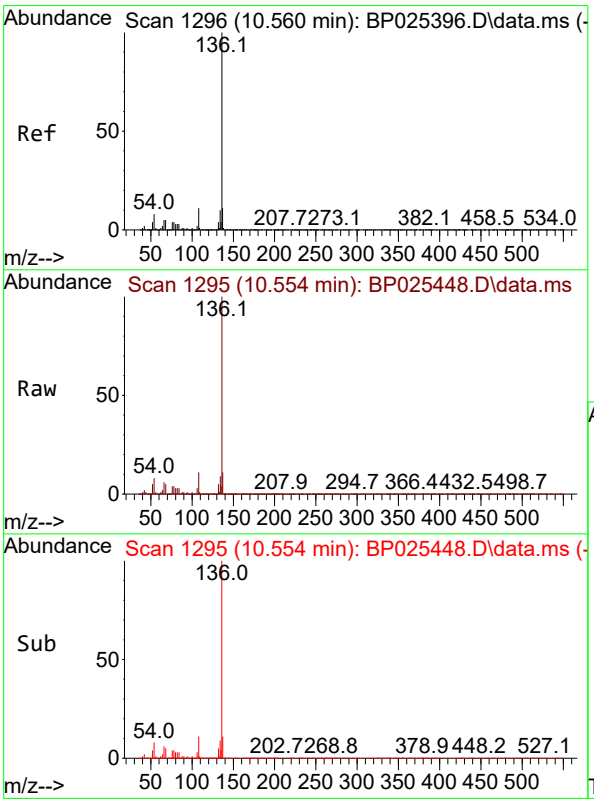
#7
Phenol-d6
Concen: 108.545 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Instrument :
BNA_P
ClientSampleId :
TG-S01

Tgt Ion: 99 Resp: 1328551

Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.7	20.5
71	36.6	28.2	42.4

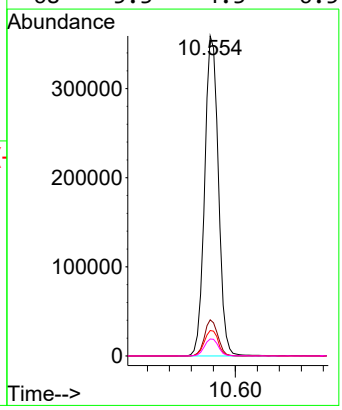


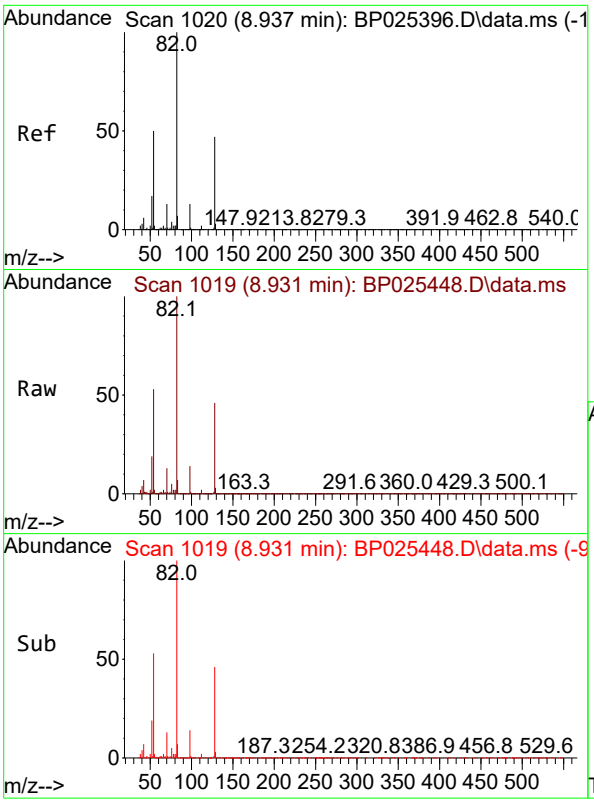


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Tgt Ion:136 Resp: 622142

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	8.0	6.0	9.0
68	5.3	4.3	6.5



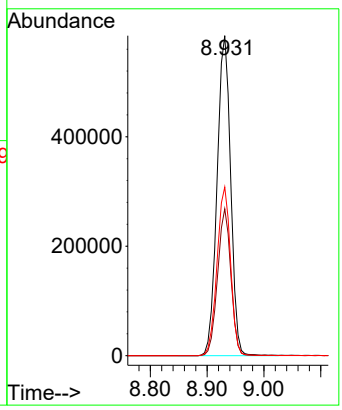


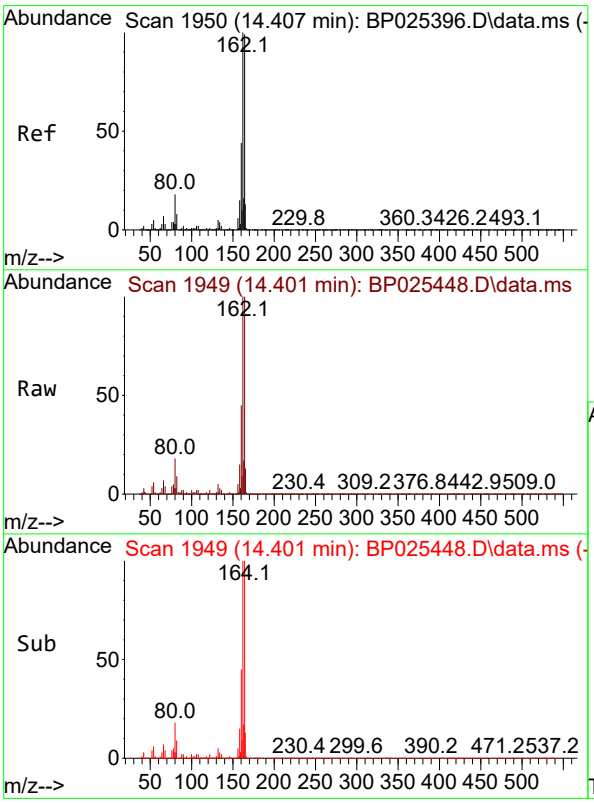
#23
Nitrobenzene-d5
Concen: 78.929 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Instrument :
BNA_P
ClientSampleId :
TG-S01

Tgt Ion: 82 Resp: 970733

Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.7	56.5
54	52.7	39.8	59.6

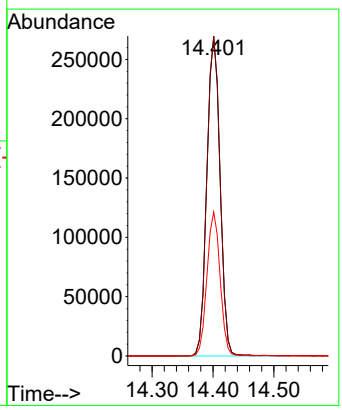


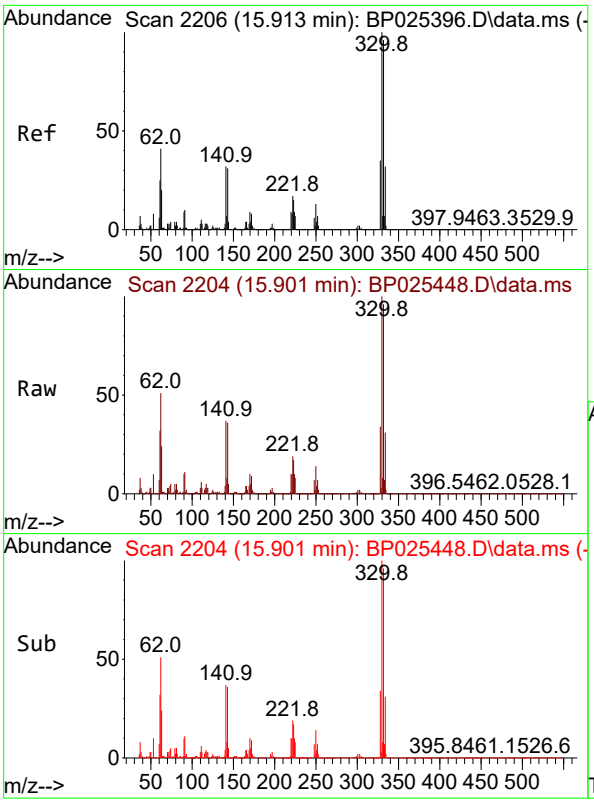


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Tgt Ion:164 Resp: 405060

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.0	121.6
160	45.1	35.4	53.2



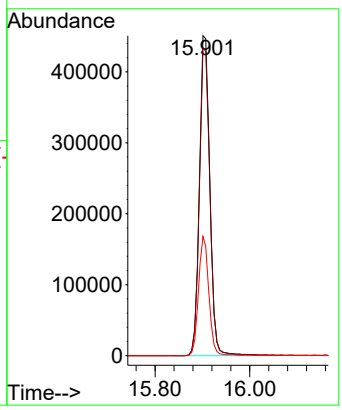


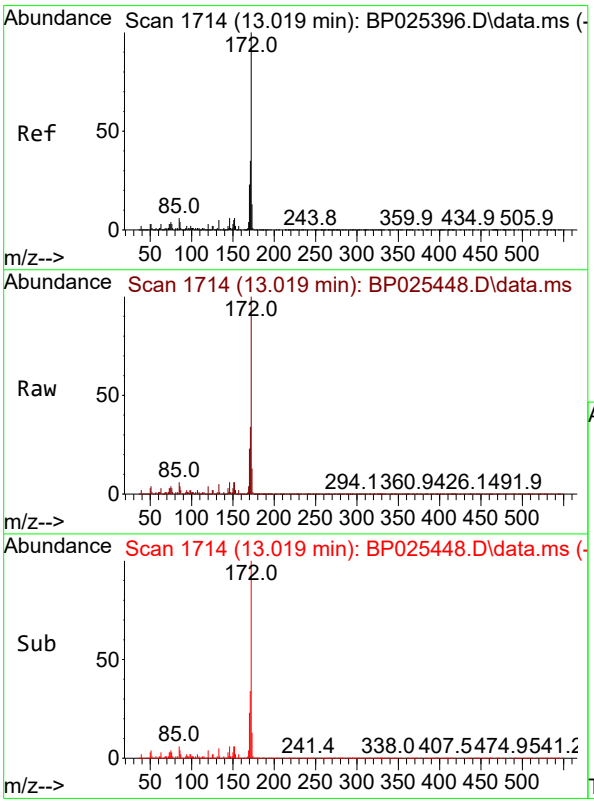
#42
2,4,6-Tribromophenol
Concen: 126.928 ng
RT: 15.901 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Instrument :
BNA_P
ClientSampleId :
TG-S01

Tgt Ion:330 Resp: 692030

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	36.8	26.6	39.8

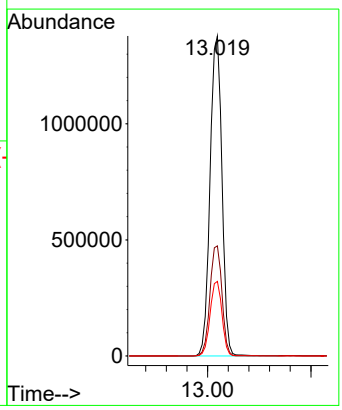


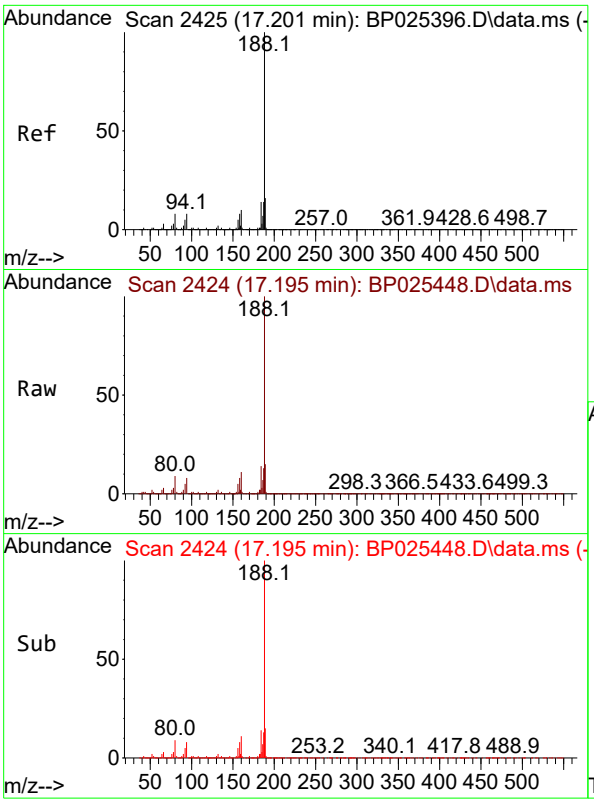


#45
2-Fluorobiphenyl
Concen: 74.331 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Tgt Ion:172 Resp: 2203030

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.1	42.1
170	23.3	18.6	28.0



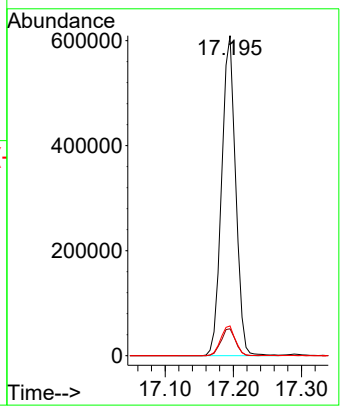


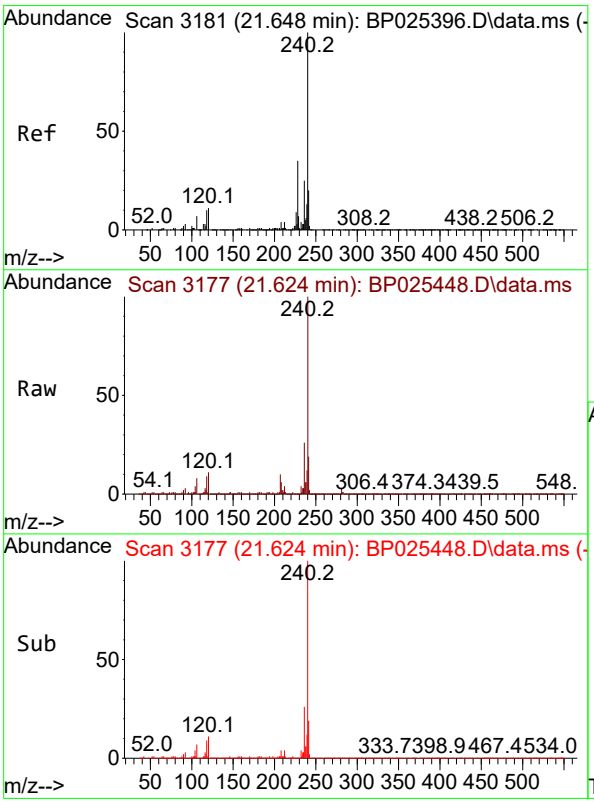
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Instrument :
BNA_P
ClientSampleId :
TG-S01

Tgt Ion:188 Resp: 872287

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.3	6.7	10.1

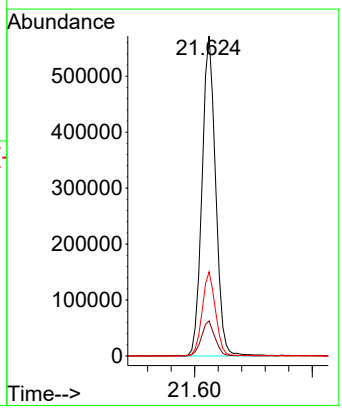


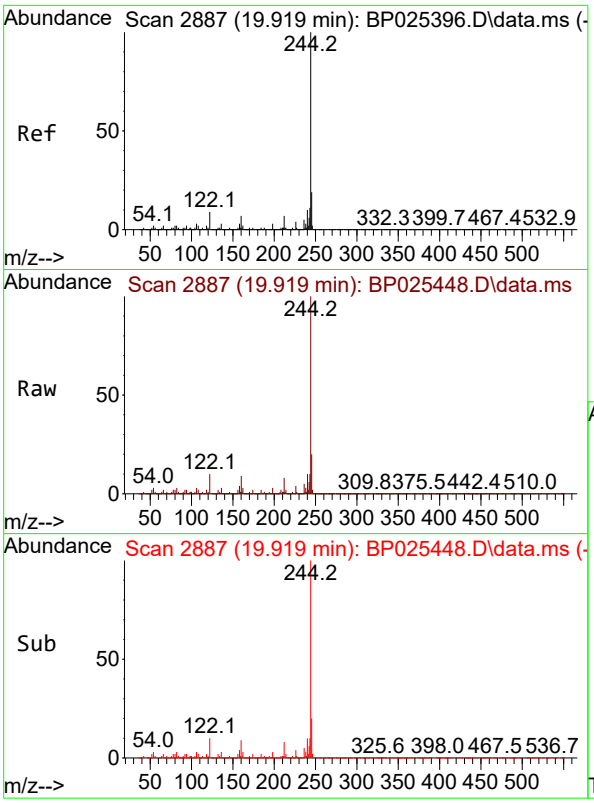


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.024 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Tgt Ion:240 Resp: 920454

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.9	13.3
236	26.3	19.8	29.8



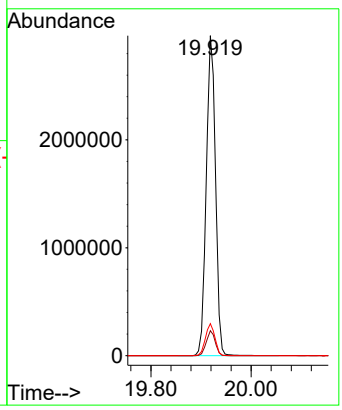


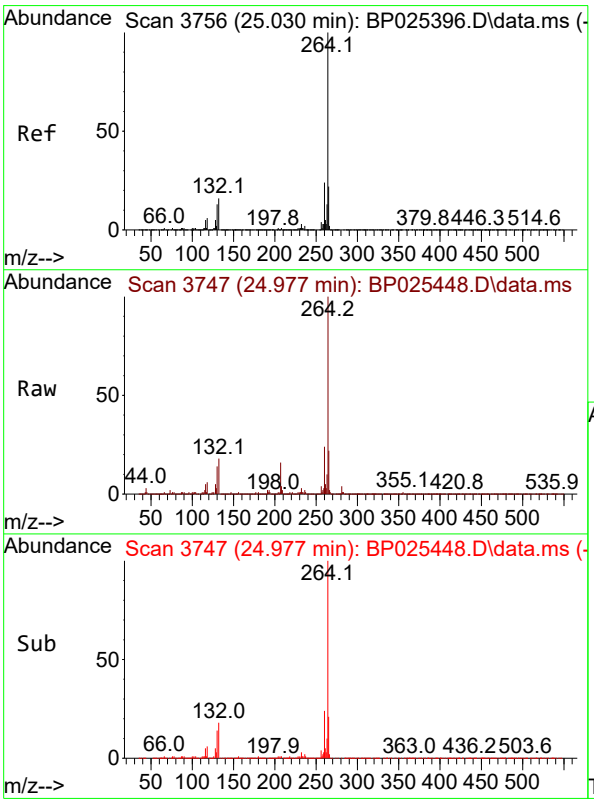
#79
Terphenyl-d14
Concen: 75.638 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Instrument :
BNA_P
ClientSampleId :
TG-S01

Tgt Ion:244 Resp: 3805322

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.6
122	10.0	7.4	11.2

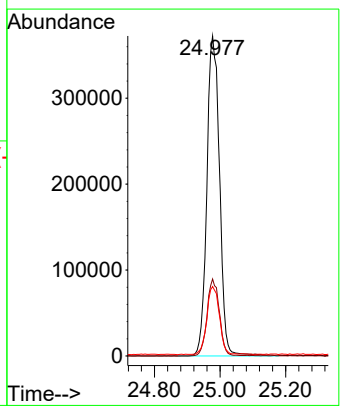




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.977 min Scan# 3747
Delta R.T. -0.053 min
Lab File: BP025448.D
Acq: 16 Aug 2025 06:45

Tgt Ion:264 Resp: 1004867

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	21.7	17.4	26.0



Raw Data: **BP025451.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-04	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025451.D	1	08/14/25 10:30	08/16/25 08:48	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	127		15 (23) - 110 (138)	85%	SPK: 150
13127-88-3	Phenol-d6	118		15 (10) - 110 (134)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.5		30 (67) - 130 (132)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.1		30 (52) - 130 (132)	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		15 (44) - 110 (137)	95%	SPK: 150
1718-51-0	Terphenyl-d14	83.1		30 (42) - 130 (152)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	141000	7.79			
1146-65-2	Naphthalene-d8	556000	10.555			
15067-26-2	Acenaphthene-d10	374000	14.396			
1517-22-2	Phenanthrene-d10	813000	17.189			
1719-03-5	Chrysene-d12	863000	21.625			
1520-96-3	Perylene-d12	957000	24.995			

Raw Data: **BP025451.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-04	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025451.D	1	08/14/25 10:30	08/16/25 08:48	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **BP025451.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025451.D
Acq On : 16 Aug 2025 08:48
Operator : CG/JU
Sample : Q2832-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S02

Quant Time: Aug 18 01:43:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

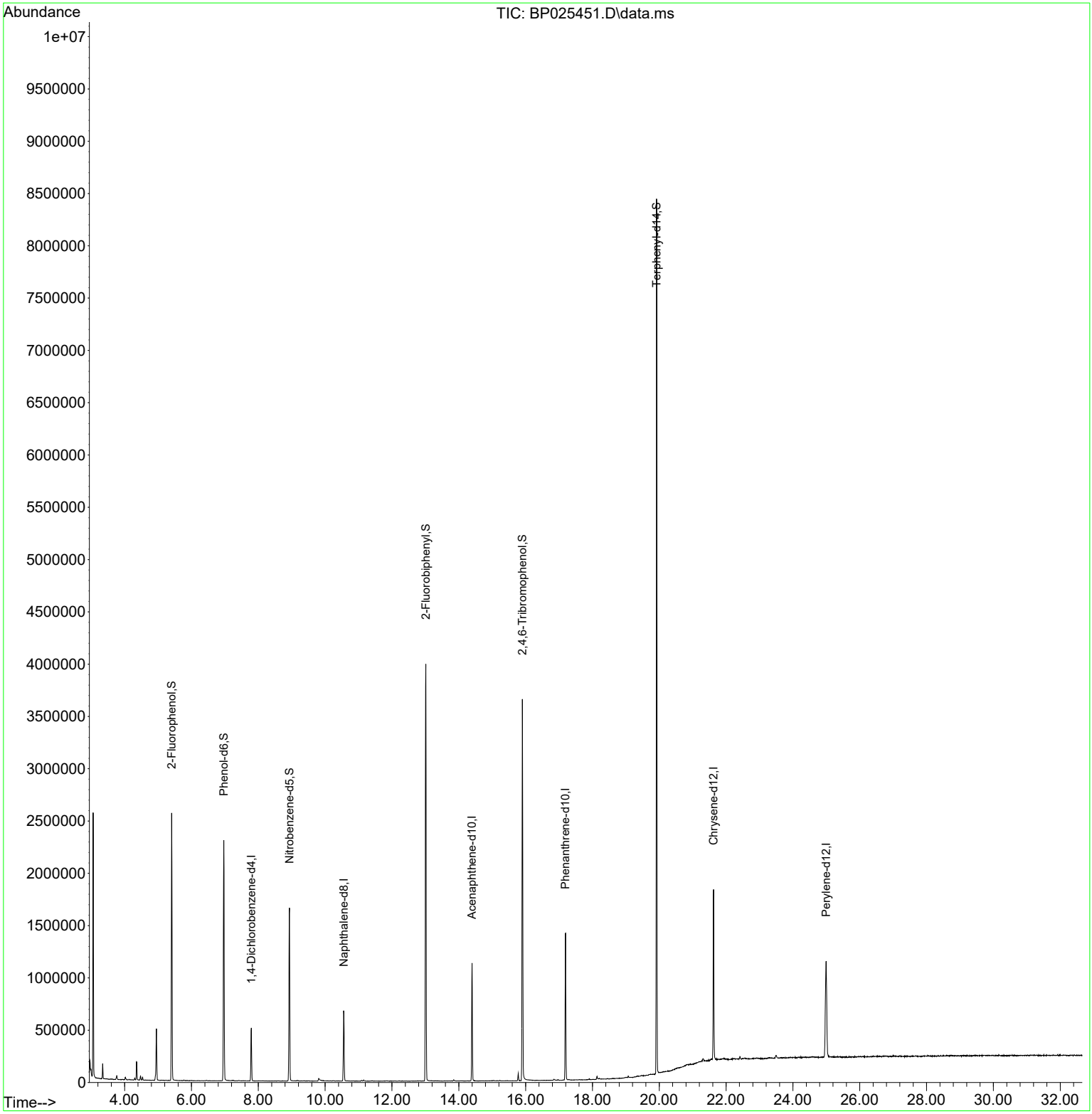
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	141359	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	556152	20.000	ng	0.00
39) Acenaphthene-d10	14.396	164	374083	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	813410	20.000	ng	-0.01
76) Chrysene-d12	21.625	240	862873	20.000	ng	-0.02
86) Perylene-d12	24.995	264	957475	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1079862	126.863	ng	0.00
7) Phenol-d6	6.966	99	1286759	117.909	ng	0.00
23) Nitrobenzene-d5	8.931	82	950649	86.467	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	720965	143.185	ng	-0.01
45) 2-Fluorobiphenyl	13.013	172	2165608	79.119	ng	0.00
79) Terphenyl-d14	19.919	244	3919075	83.097	ng	0.00
Target Compounds						Qvalue

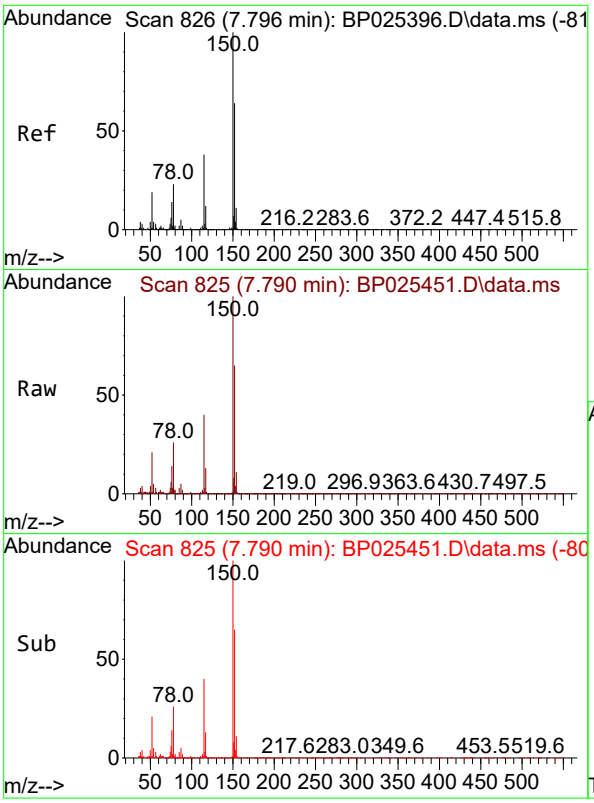
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025451.D
Acq On : 16 Aug 2025 08:48
Operator : CG/JU
Sample : Q2832-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S02

Quant Time: Aug 18 01:43:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



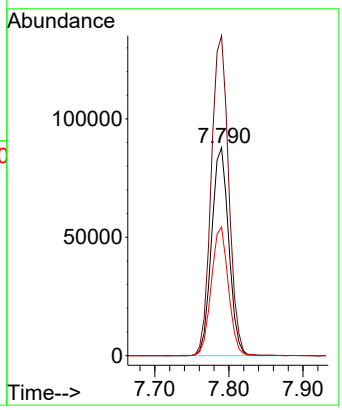


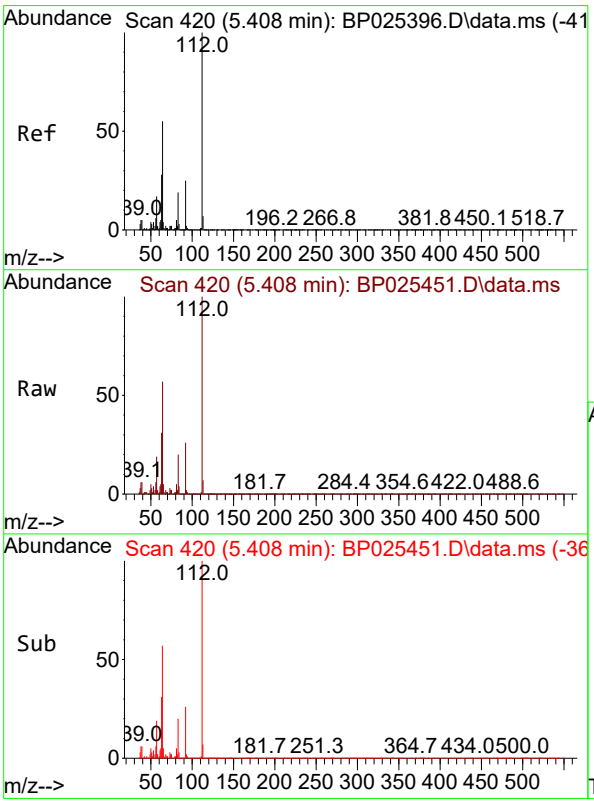
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Instrument :
BNA_P
ClientSampleId :
TG-S02

Tgt Ion:152 Resp: 141359

Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.9	188.9
115	61.8	48.5	72.7

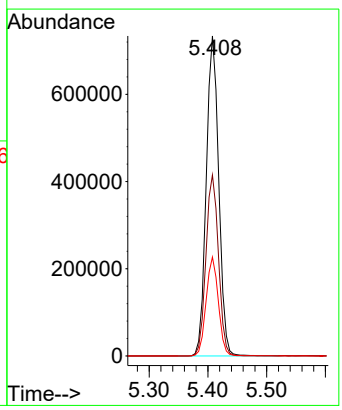


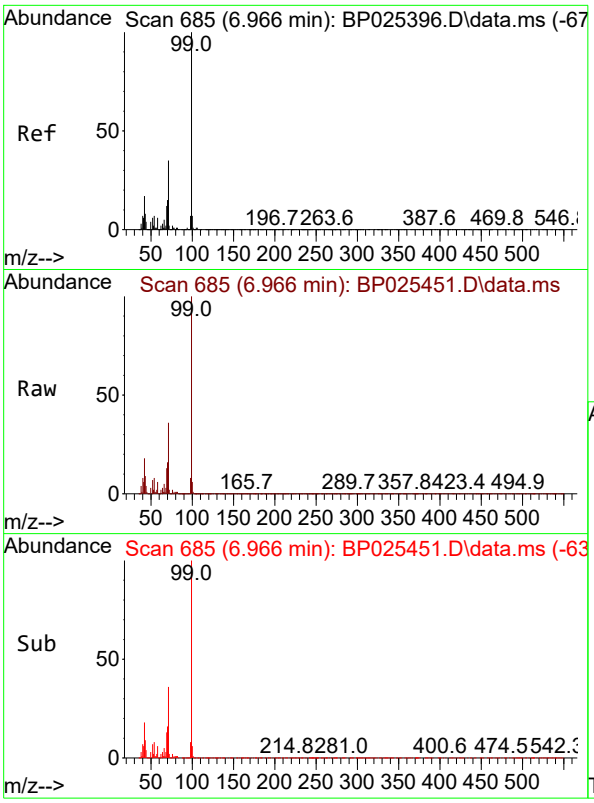


#5
2-Fluorophenol
Concen: 126.863 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Tgt Ion:112 Resp: 1079862

Ion	Ratio	Lower	Upper
112	100		
64	56.5	43.8	65.8
63	30.9	22.7	34.1



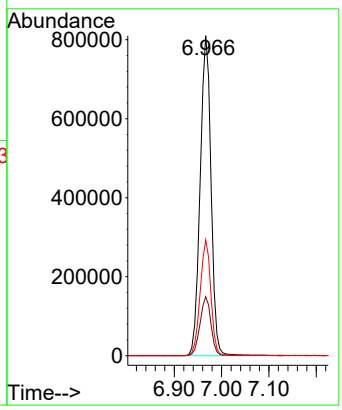


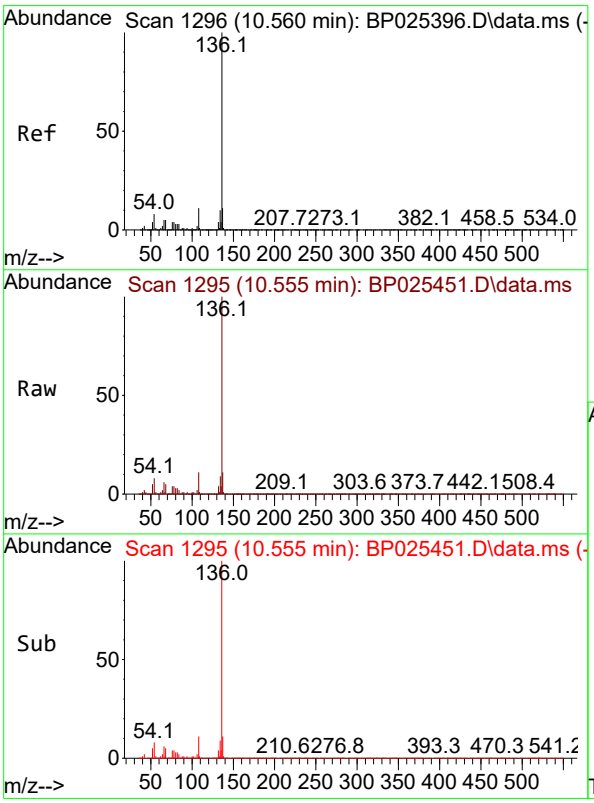
#7
Phenol-d6
Concen: 117.909 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Instrument :
BNA_P
ClientSampleId :
TG-S02

Tgt Ion: 99 Resp: 1286759

Ion	Ratio	Lower	Upper
99	100		
42	18.5	13.7	20.5
71	36.2	28.2	42.4

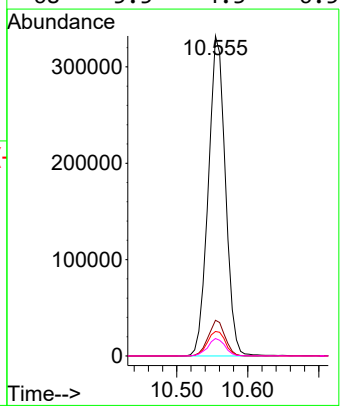


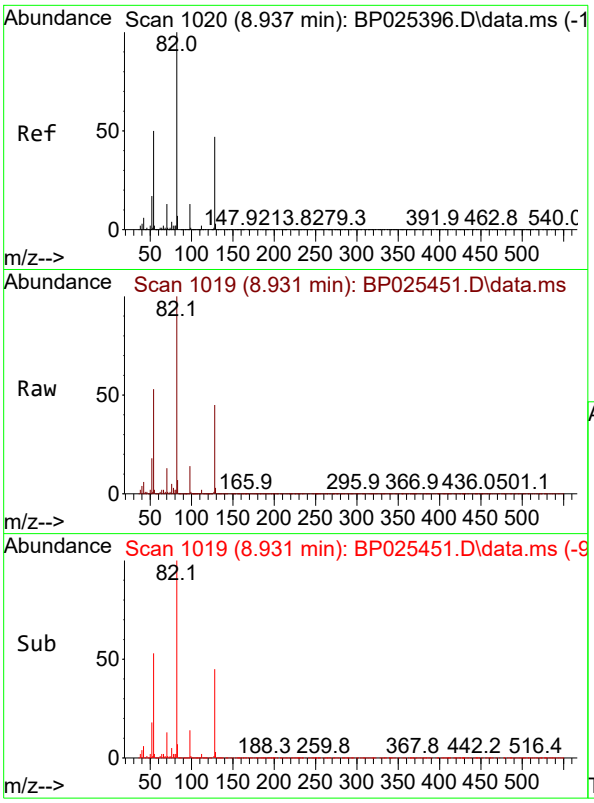


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Tgt Ion:136 Resp: 556152

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.6	6.0	9.0
68	5.5	4.3	6.5



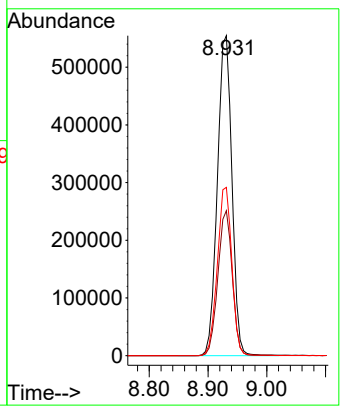


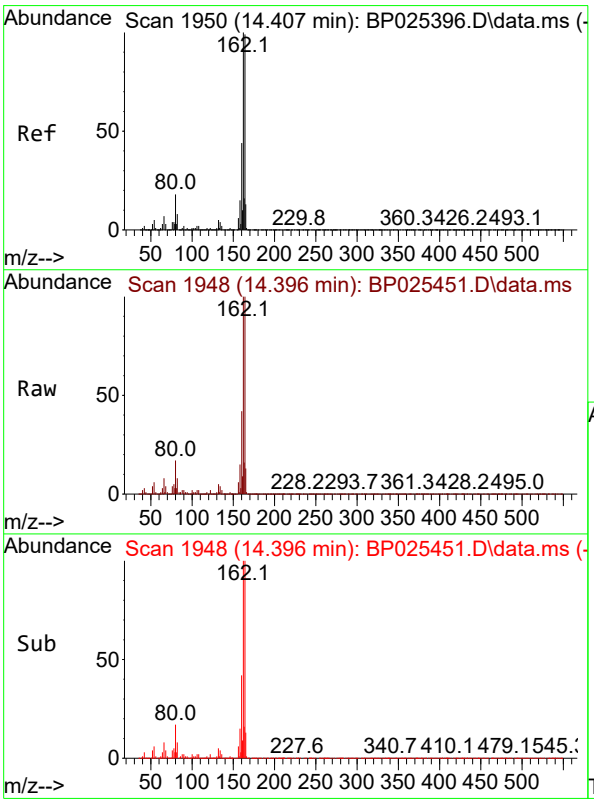
#23
Nitrobenzene-d5
Concen: 86.467 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Instrument :
BNA_P
ClientSampleId :
TG-S02

Tgt Ion: 82 Resp: 950649

Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.7	56.5
54	52.6	39.8	59.6

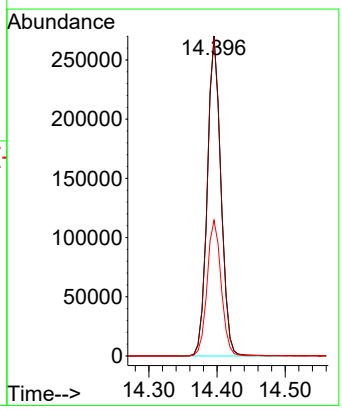


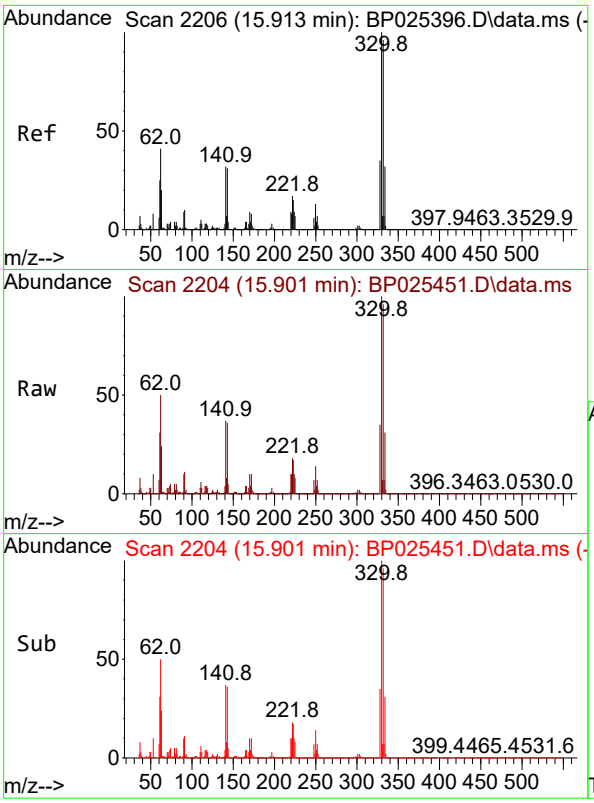


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.396 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Tgt Ion:164 Resp: 374083

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.0	121.6
160	42.4	35.4	53.2



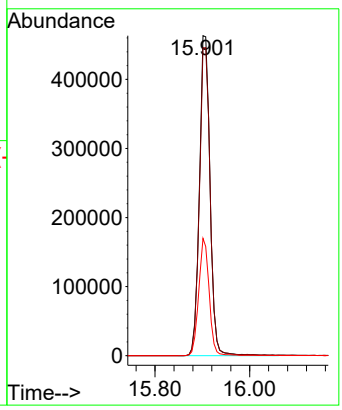


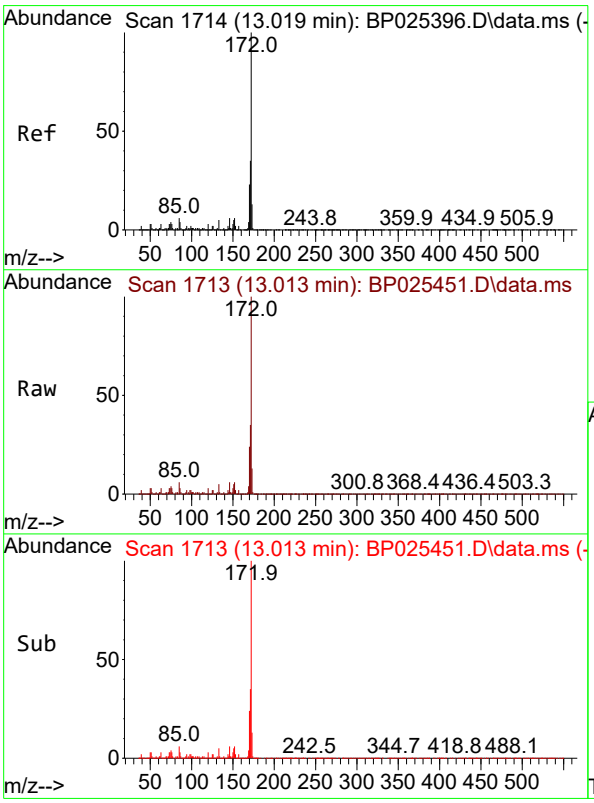
#42
2,4,6-Tribromophenol
Concen: 143.185 ng
RT: 15.901 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Instrument :
BNA_P
ClientSampleId :
TG-S02

Tgt Ion:330 Resp: 720965

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	36.1	26.6	39.8

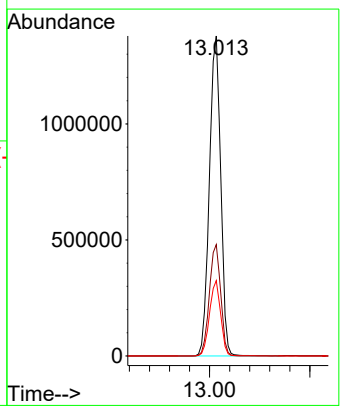


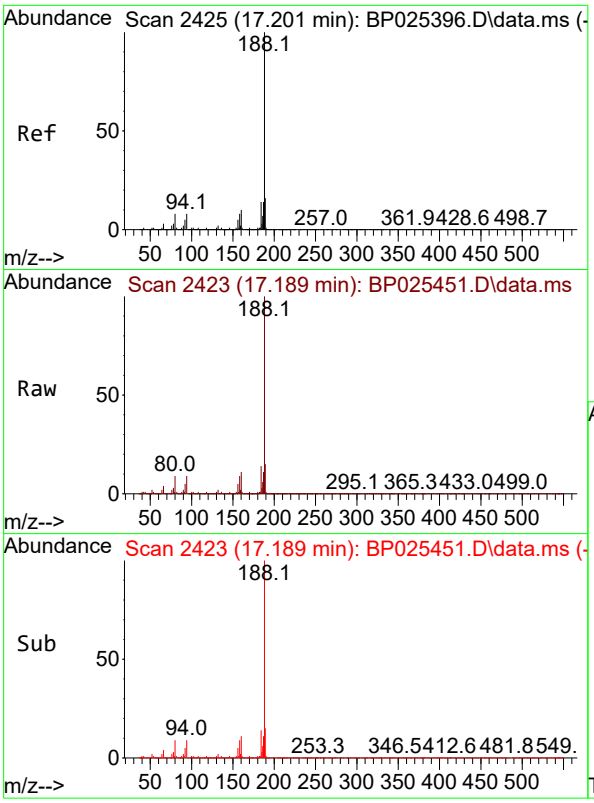


#45
2-Fluorobiphenyl
Concen: 79.119 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Tgt Ion:172 Resp: 2165608

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	23.6	18.6	28.0



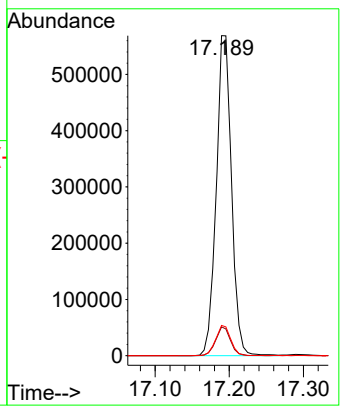


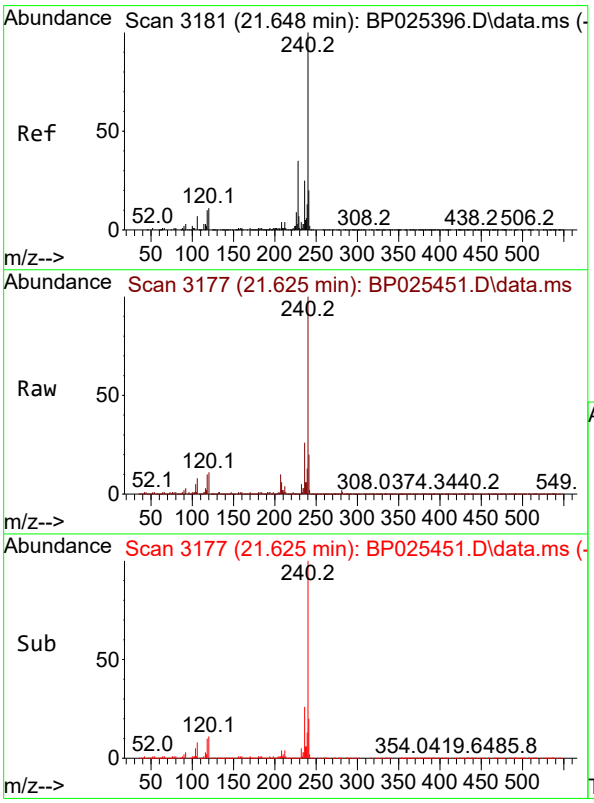
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Instrument :
BNA_P
ClientSampleId :
TG-S02

Tgt Ion:188 Resp: 813410

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.5	6.7	10.1

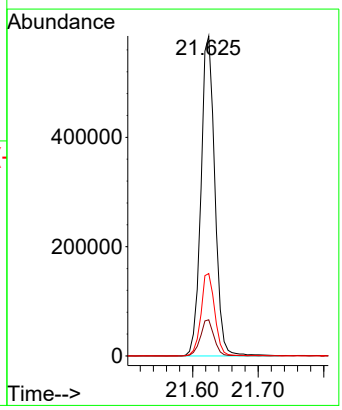


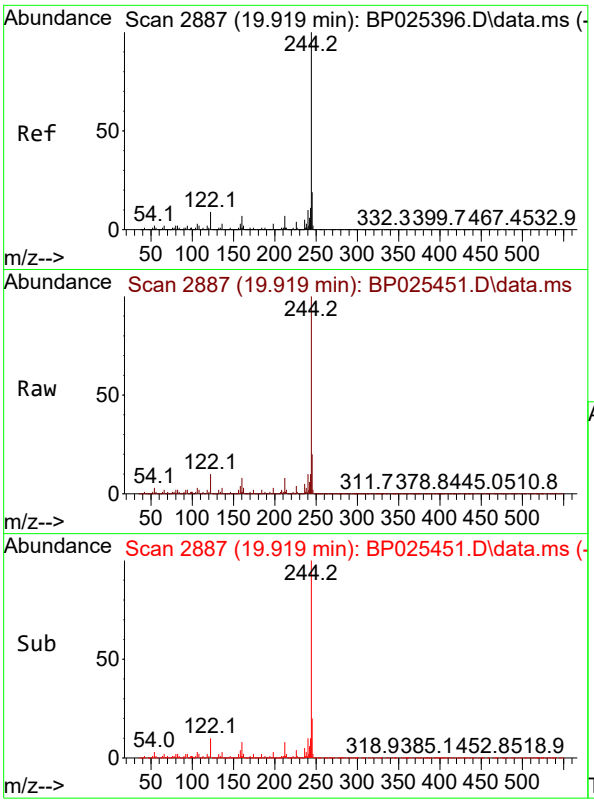


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.625 min Scan# 3177
Delta R.T. -0.023 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Tgt Ion:240 Resp: 862873

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.8	19.8	29.8



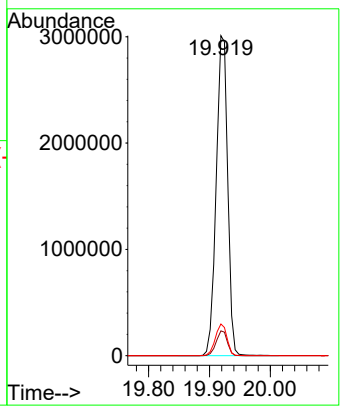


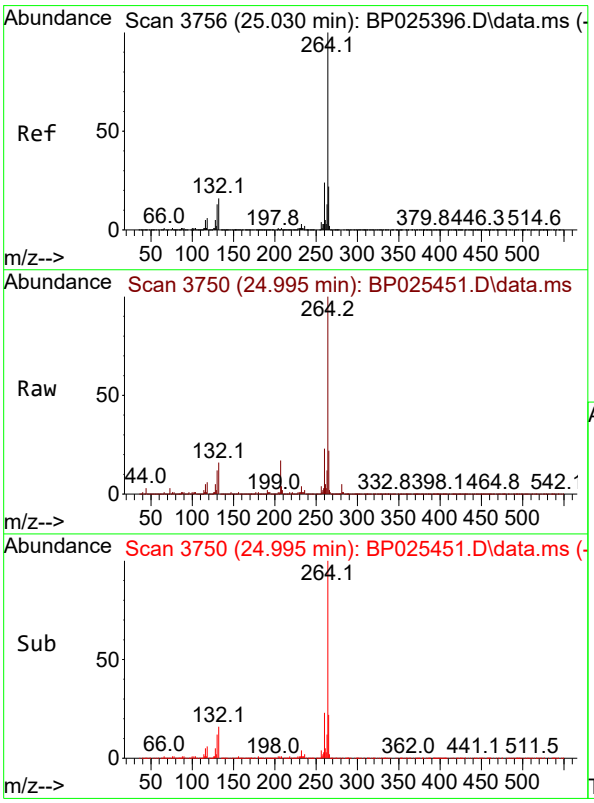
#79
Terphenyl-d14
Concen: 83.097 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Instrument :
BNA_P
ClientSampleId :
TG-S02

Tgt Ion:244 Resp: 3919075

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.6
122	9.9	7.4	11.2

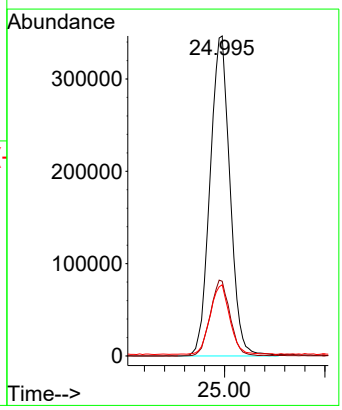




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.995 min Scan# 3750
Delta R.T. -0.035 min
Lab File: BP025451.D
Acq: 16 Aug 2025 08:48

Tgt Ion:264 Resp: 957475

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.3	28.9
265	22.3	17.4	26.0



Raw Data: **BP025452.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-06	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025452.D	1	08/14/25 10:30	08/16/25 09:29	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	115		15 (23) - 110 (138)	76%	SPK: 150
13127-88-3	Phenol-d6	106		15 (10) - 110 (134)	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.7		30 (67) - 130 (132)	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.9		30 (52) - 130 (132)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		15 (44) - 110 (137)	84%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		30 (42) - 130 (152)	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	7.79			
1146-65-2	Naphthalene-d8	600000	10.554			
15067-26-2	Acenaphthene-d10	385000	14.395			
1517-22-2	Phenanthrene-d10	805000	17.195			
1719-03-5	Chrysene-d12	873000	21.624			
1520-96-3	Perylene-d12	938000	24.989			

Raw Data: **BP025452.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-06	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025452.D	1	08/14/25 10:30	08/16/25 09:29	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025452.D
Acq On : 16 Aug 2025 09:29
Operator : CG/JU
Sample : Q2832-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

Quant Time: Aug 18 01:43:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

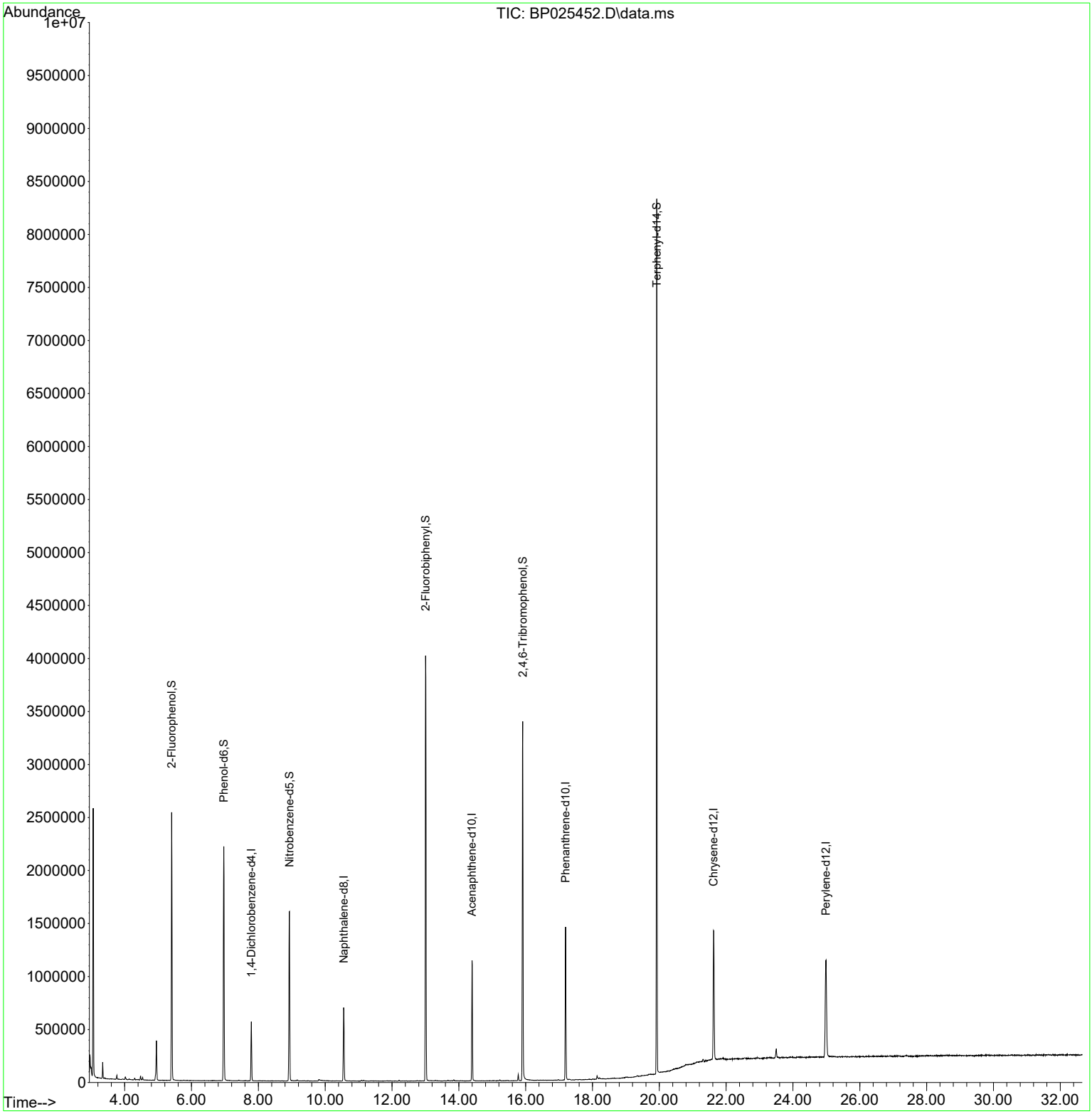
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	149001	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	599860	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	384740	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	804671	20.000	ng	0.00
76) Chrysene-d12	21.624	240	873450	20.000	ng	-0.02
86) Perylene-d12	24.989	264	938419	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	1028877	114.674	ng	0.00
7) Phenol-d6	6.966	99	1224133	106.418	ng	0.00
23) Nitrobenzene-d5	8.931	82	921653	77.722	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	654739	126.431	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	2080869	73.917	ng	-0.01
79) Terphenyl-d14	19.924	244	3671420	76.903	ng	0.00
Target Compounds						Qvalue

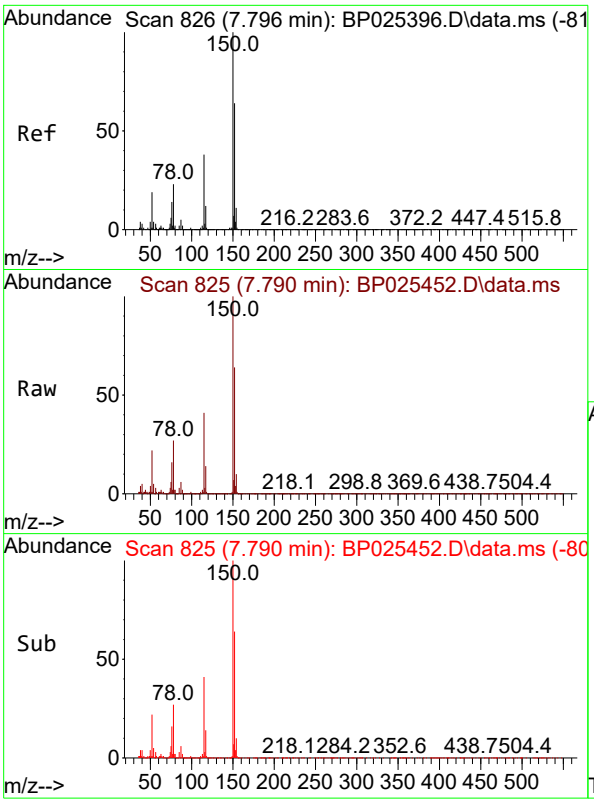
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025452.D
Acq On : 16 Aug 2025 09:29
Operator : CG/JU
Sample : Q2832-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

Quant Time: Aug 18 01:43:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



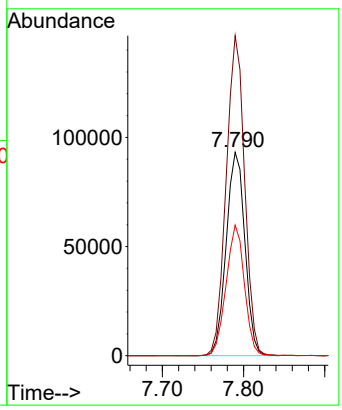


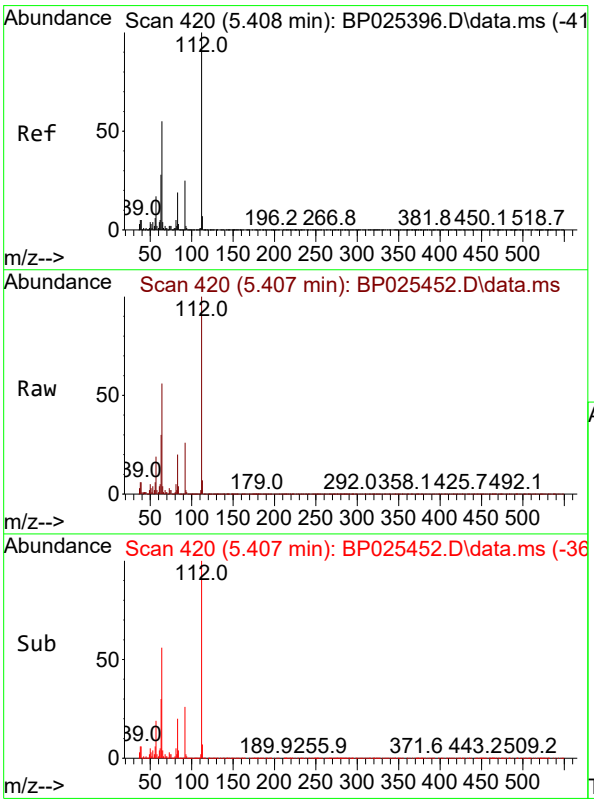
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Instrument :
BNA_P
ClientSampleId :
TG-S03

Tgt Ion:152 Resp: 149001

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.9	188.9
115	64.2	48.5	72.7

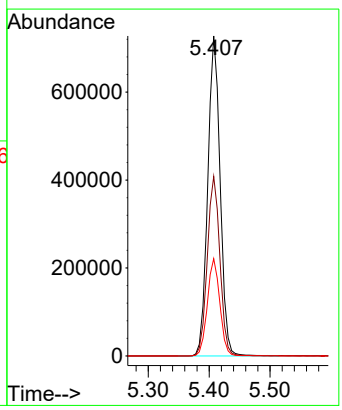


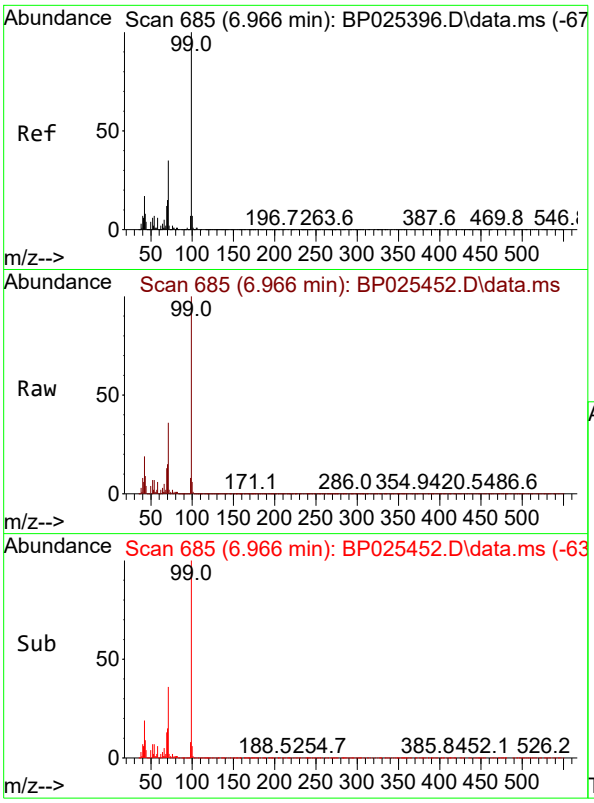


#5
2-Fluorophenol
Concen: 114.674 ng
RT: 5.407 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Tgt Ion:112 Resp: 1028877

Ion	Ratio	Lower	Upper
112	100		
64	56.1	43.8	65.8
63	30.4	22.7	34.1



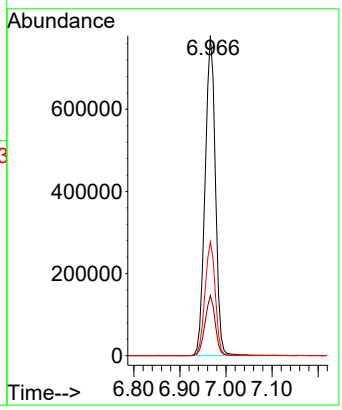


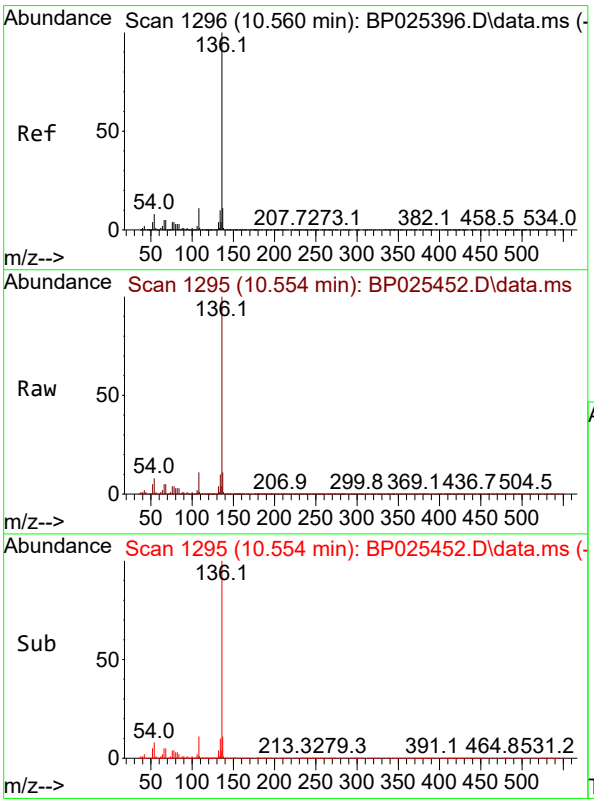
#7
Phenol-d6
Concen: 106.418 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Instrument :
BNA_P
ClientSampleId :
TG-S03

Tgt Ion: 99 Resp: 1224133

Ion	Ratio	Lower	Upper
99	100		
42	18.8	13.7	20.5
71	35.6	28.2	42.4

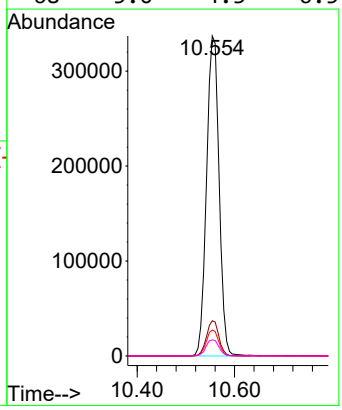


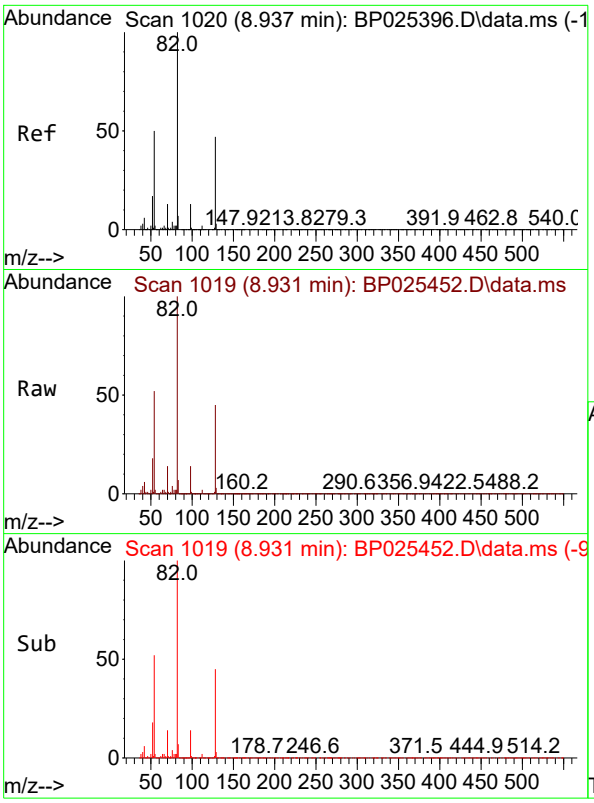


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Tgt Ion:136 Resp: 599860

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	8.1	6.0	9.0
68	5.0	4.3	6.5



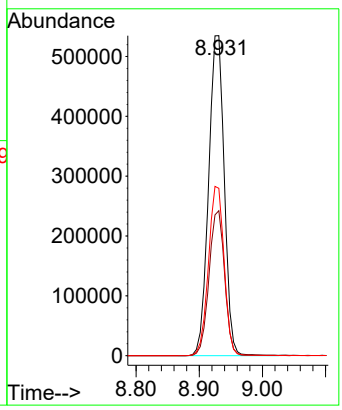


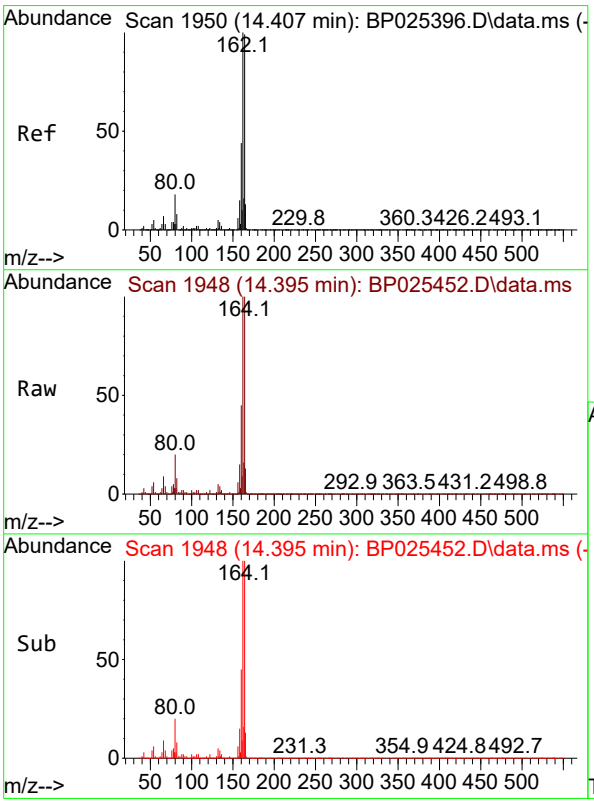
#23
Nitrobenzene-d5
Concen: 77.722 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Instrument :
BNA_P
ClientSampleId :
TG-S03

Tgt Ion: 82 Resp: 921653

Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.7	56.5
54	52.3	39.8	59.6

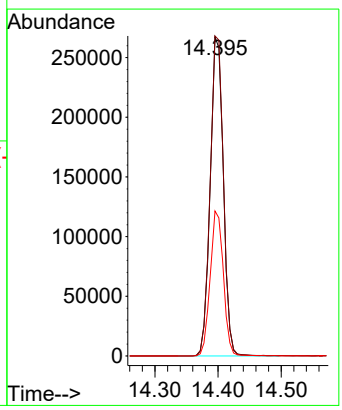


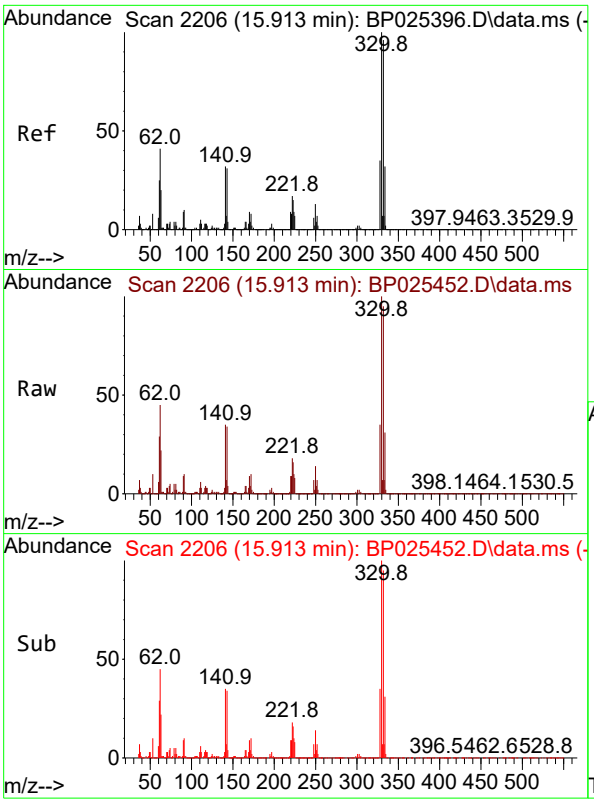


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Tgt Ion:164 Resp: 384740

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.0	121.6
160	45.5	35.4	53.2



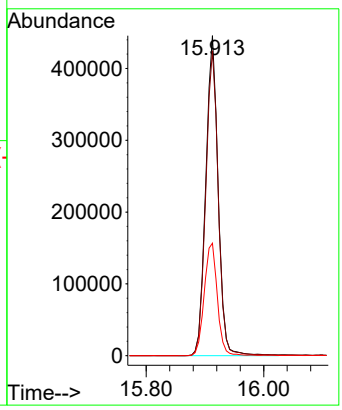


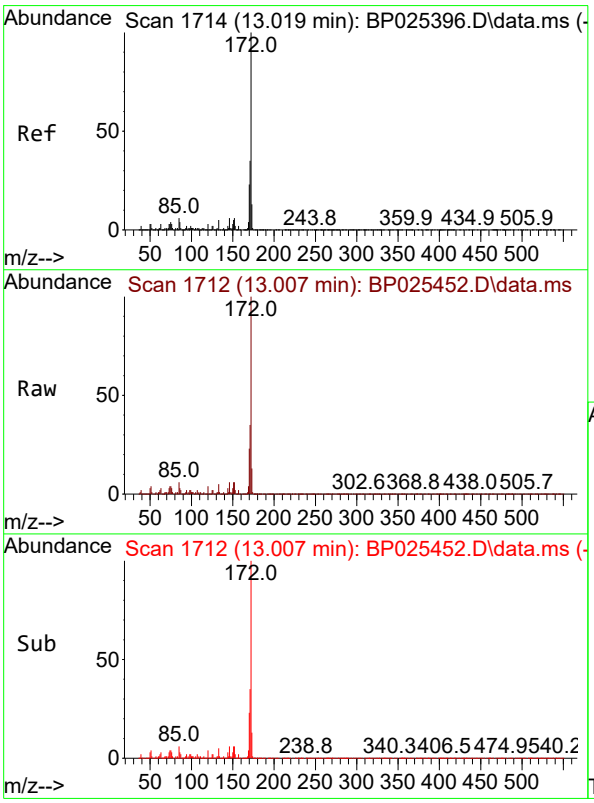
#42
2,4,6-Tribromophenol
Concen: 126.431 ng
RT: 15.913 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Instrument :
BNA_P
ClientSampleId :
TG-S03

Tgt Ion:330 Resp: 654739

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	37.1	26.6	39.8

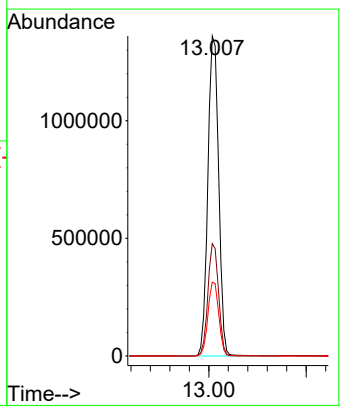


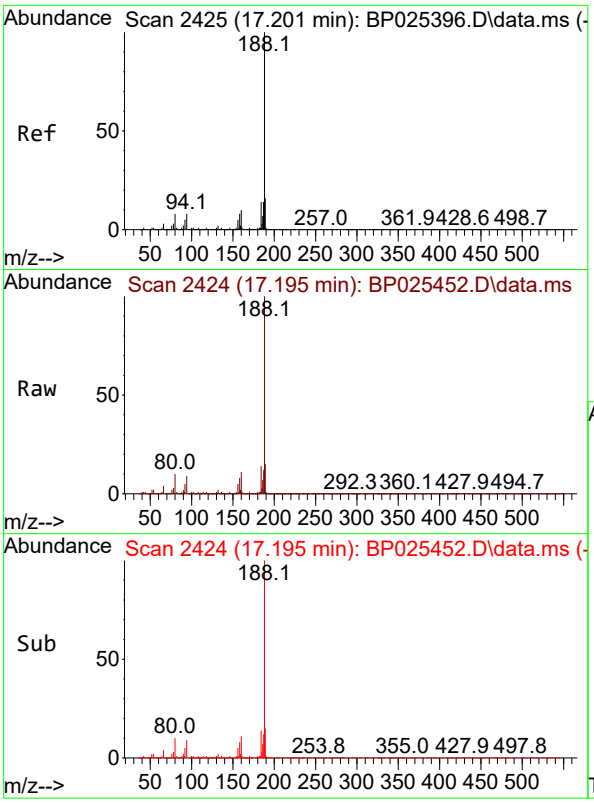


#45
2-Fluorobiphenyl
Concen: 73.917 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Tgt Ion:172 Resp: 2080869

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.1	18.6	28.0



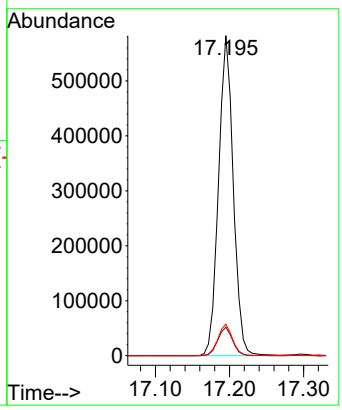


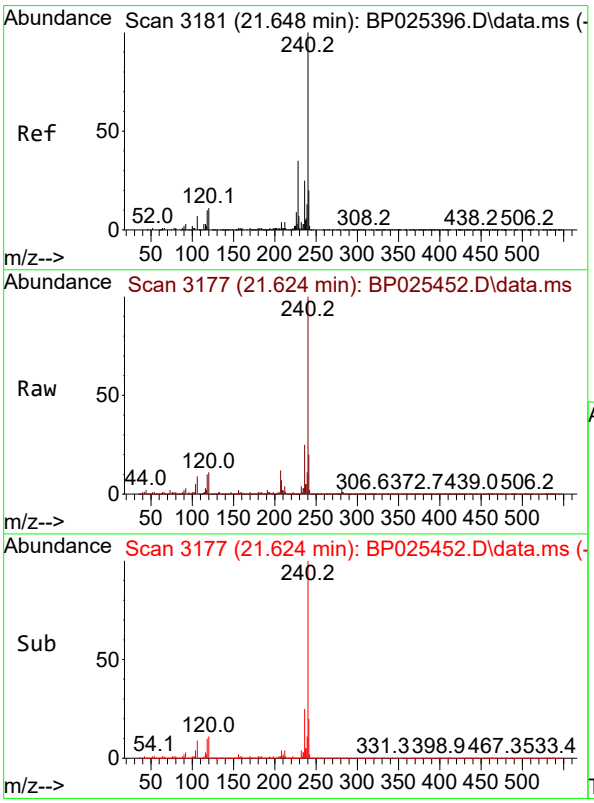
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Instrument :
BNA_P
ClientSampleId :
TG-S03

Tgt Ion:188 Resp: 804671

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.8	6.7	10.1

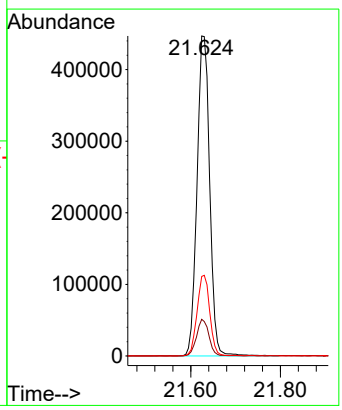


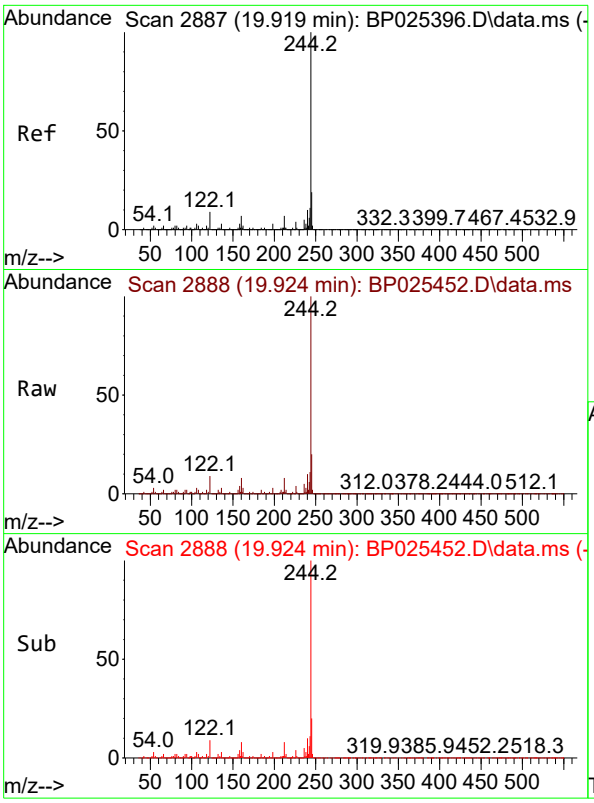


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.024 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Tgt Ion:240 Resp: 873450

Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.9	13.3
236	24.9	19.8	29.8



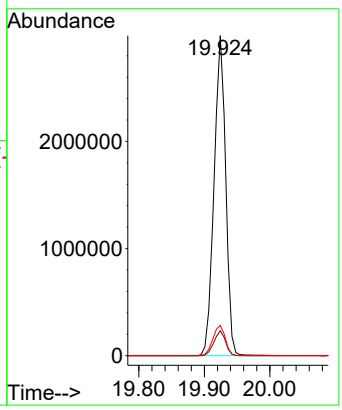


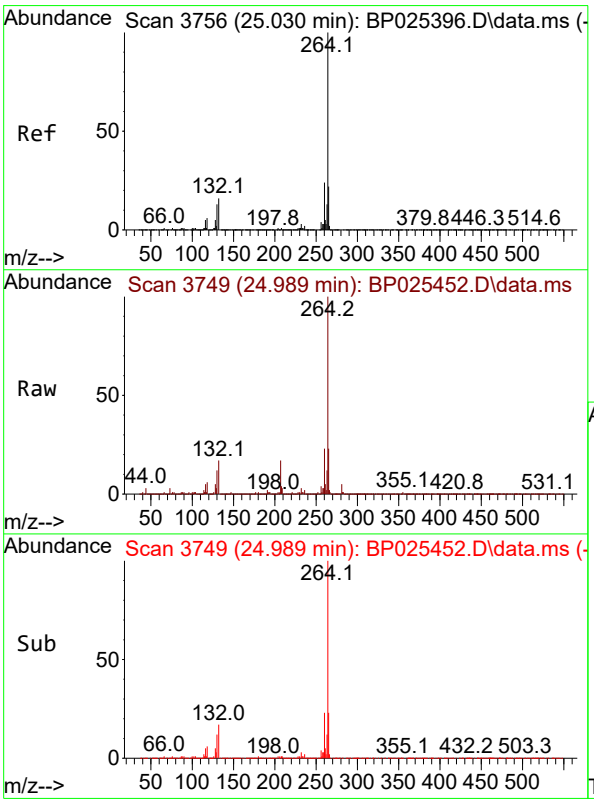
#79
Terphenyl-d14
Concen: 76.903 ng
RT: 19.924 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Instrument :
BNA_P
ClientSampleId :
TG-S03

Tgt Ion:244 Resp: 3671420

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.6
122	9.5	7.4	11.2

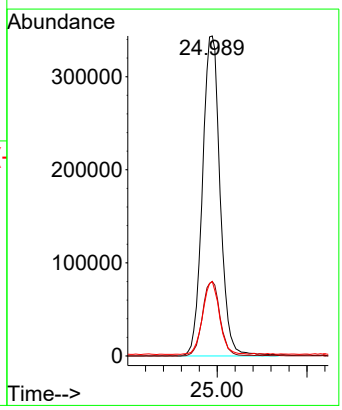




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025452.D
Acq: 16 Aug 2025 09:29

Tgt Ion:264 Resp: 938419

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.3	28.9
265	23.2	17.4	26.0



Raw Data: **BP025453.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S04	SDG No.:	Q2832
Lab Sample ID:	Q2832-08	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025453.D	1	08/14/25 10:30	08/16/25 10:11	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	115		15 (23) - 110 (138)	77%	SPK: 150
13127-88-3	Phenol-d6	112		15 (10) - 110 (134)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.1		30 (67) - 130 (132)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.4		30 (52) - 130 (132)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		15 (44) - 110 (137)	83%	SPK: 150
1718-51-0	Terphenyl-d14	75.7		30 (42) - 130 (152)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	141000	7.79			
1146-65-2	Naphthalene-d8	576000	10.554			
15067-26-2	Acenaphthene-d10	380000	14.401			
1517-22-2	Phenanthrene-d10	827000	17.189			
1719-03-5	Chrysene-d12	872000	21.63			
1520-96-3	Perylene-d12	943000	24.989			

Raw Data: **BP025453.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	08/12/25
Client Sample ID:	TG-S04			SDG No.:	Q2832
Lab Sample ID:	Q2832-08			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025453.D	1	08/14/25 10:30	08/16/25 10:11	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **BP025453.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025453.D
Acq On : 16 Aug 2025 10:11
Operator : CG/JU
Sample : Q2832-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

Quant Time: Aug 18 01:44:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	141077	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	575850	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	379729	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	826858	20.000	ng	-0.01
76) Chrysene-d12	21.630	240	871981	20.000	ng	-0.02
86) Perylene-d12	24.989	264	942630	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	979904	115.350	ng	0.00
7) Phenol-d6	6.966	99	1225077	112.482	ng	0.00
23) Nitrobenzene-d5	8.931	82	866535	76.121	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	638587	124.939	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	1982544	71.354	ng	0.00
79) Terphenyl-d14	19.924	244	3609359	75.731	ng	0.00
Target Compounds						Qvalue

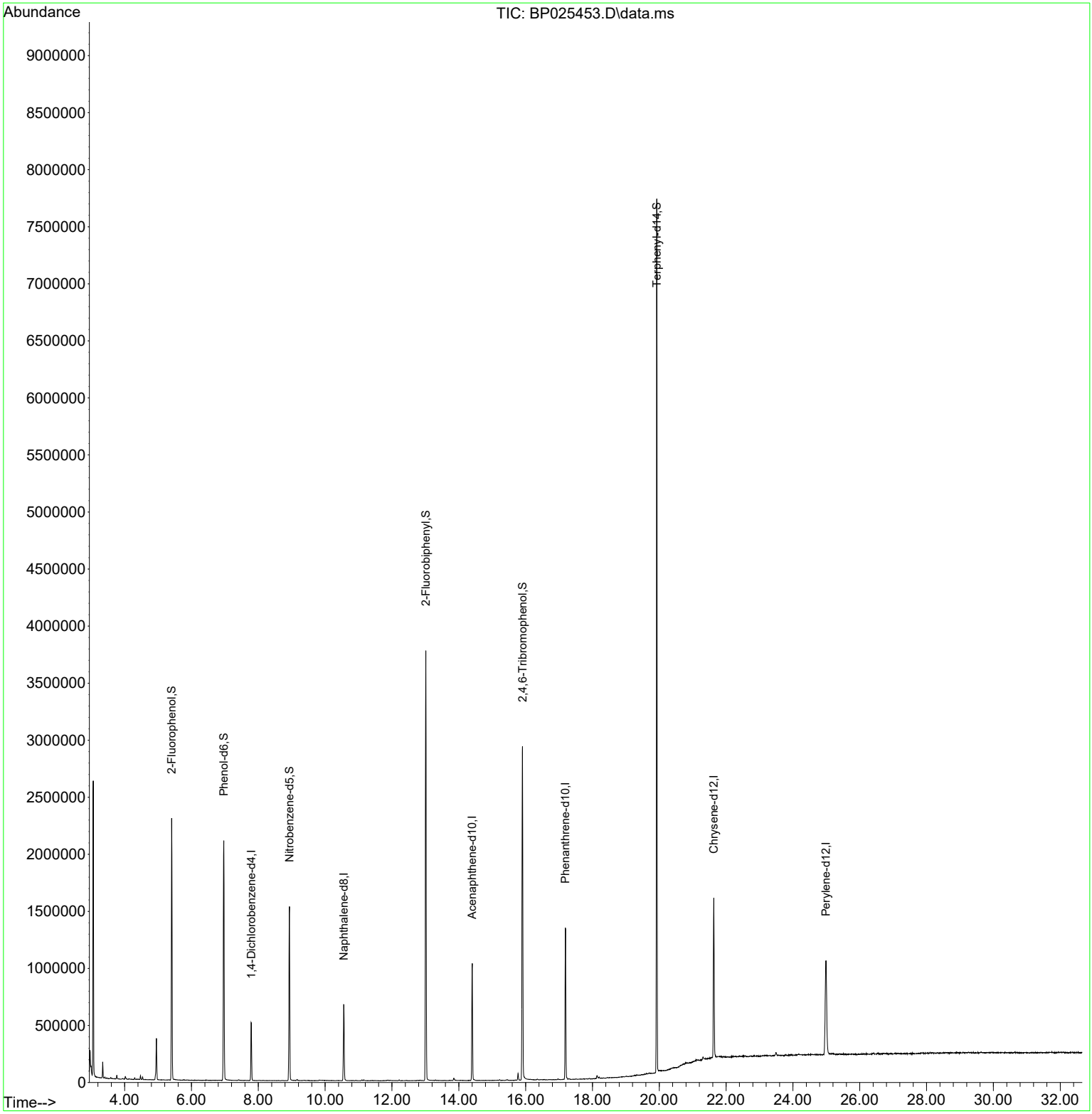
(#) = qualifier out of range (m) = manual integration (+) = signals summed

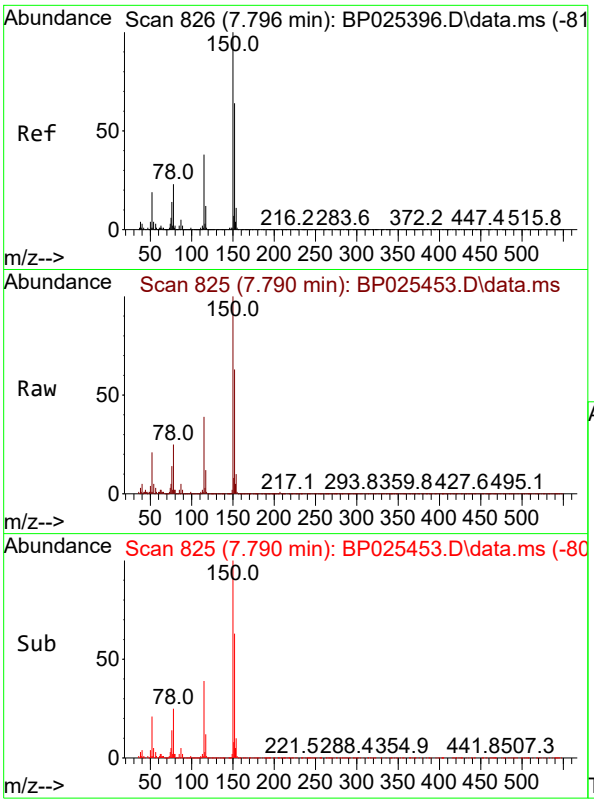
Sample Results: **BP025453.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025453.D
Acq On : 16 Aug 2025 10:11
Operator : CG/JU
Sample : Q2832-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

Quant Time: Aug 18 01:44:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



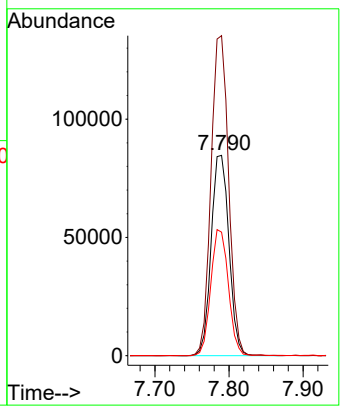


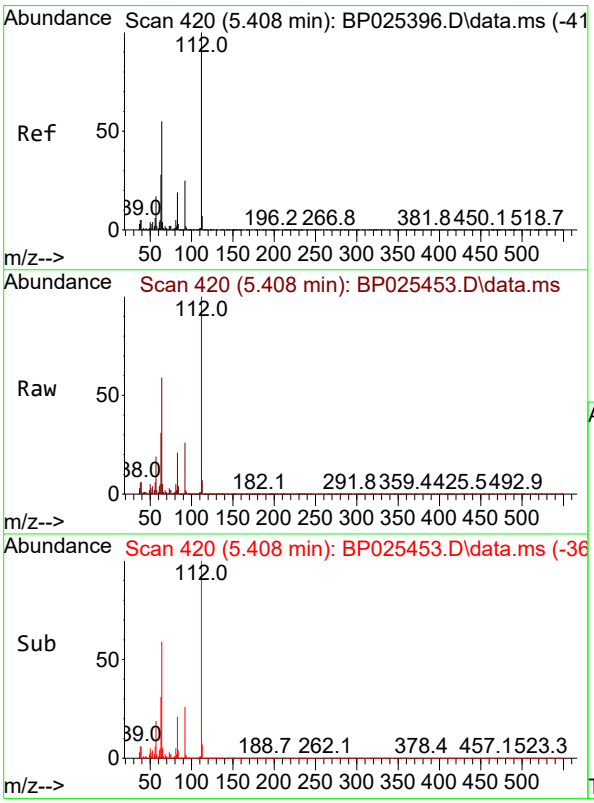
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Instrument :
BNA_P
ClientSampleId :
TG-S04

Tgt Ion:152 Resp: 141077

Ion	Ratio	Lower	Upper
152	100		
150	159.7	125.9	188.9
115	61.6	48.5	72.7

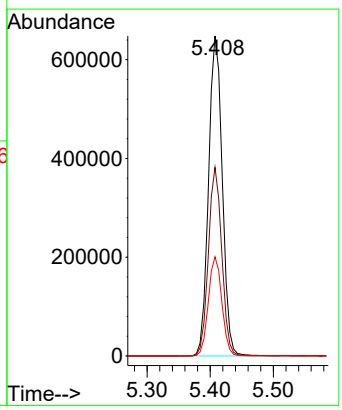


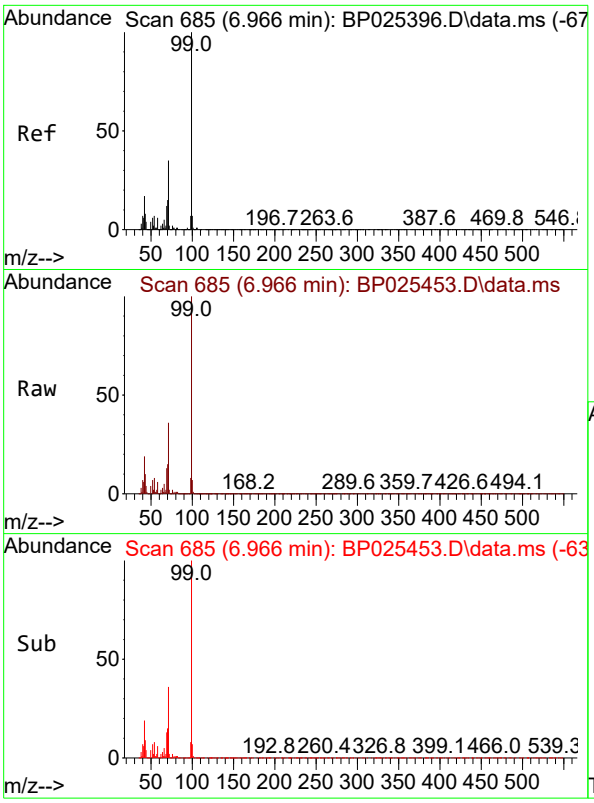


#5
2-Fluorophenol
Concen: 115.350 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Tgt Ion:112 Resp: 979904

Ion	Ratio	Lower	Upper
112	100		
64	58.9	43.8	65.8
63	31.0	22.7	34.1



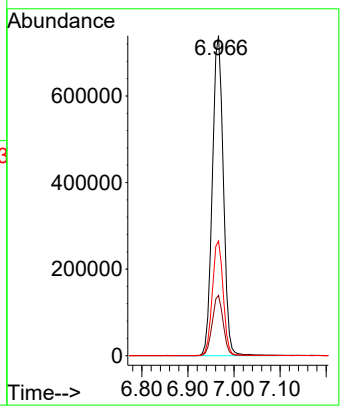


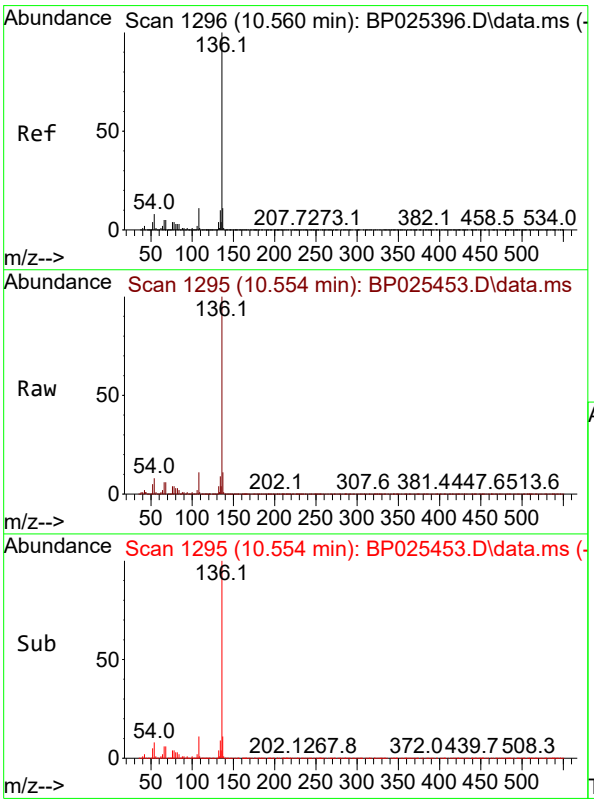
#7
Phenol-d6
Concen: 112.482 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Instrument :
BNA_P
ClientSampleId :
TG-S04

Tgt Ion: 99 Resp: 1225077

Ion	Ratio	Lower	Upper
99	100		
42	18.8	13.7	20.5
71	35.8	28.2	42.4

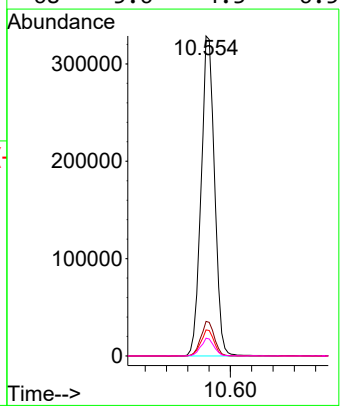


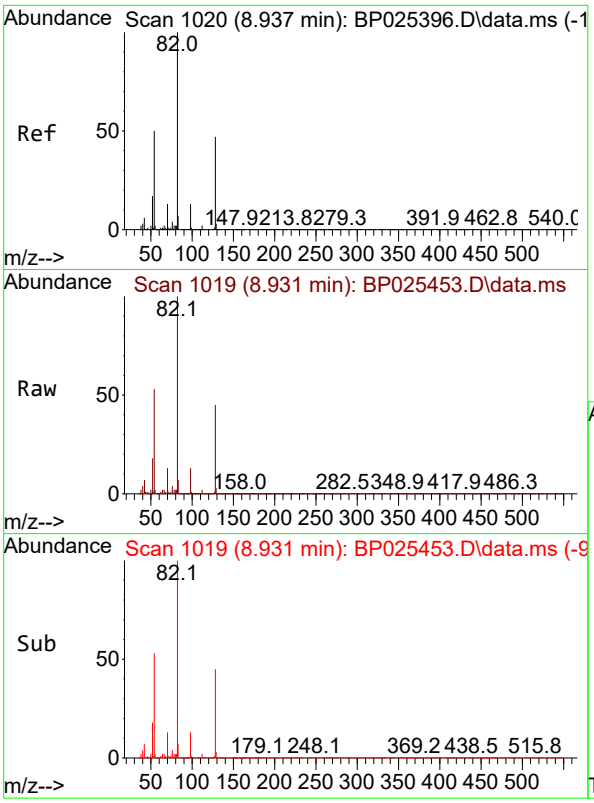


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Tgt Ion:136 Resp: 575850

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.1	6.0	9.0
68	5.6	4.3	6.5



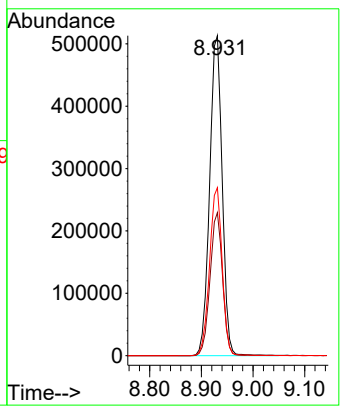


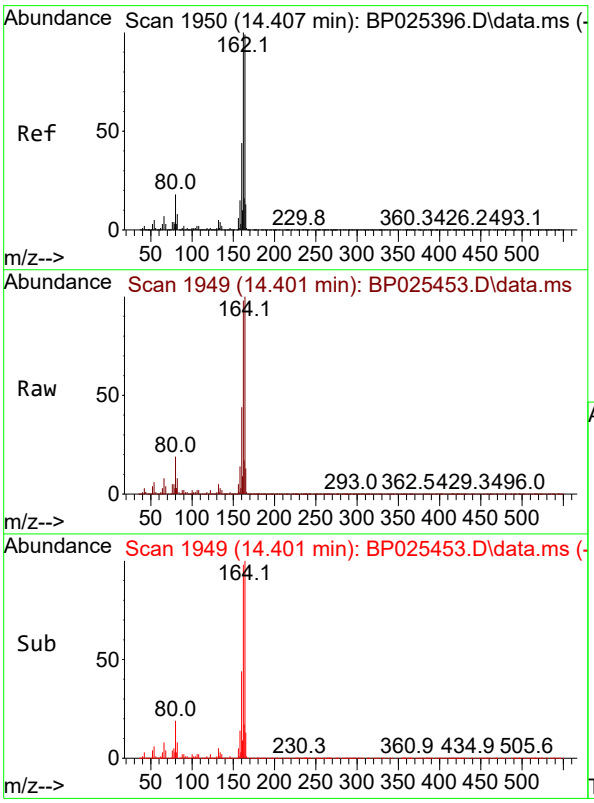
#23
Nitrobenzene-d5
Concen: 76.121 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Instrument :
BNA_P
ClientSampleId :
TG-S04

Tgt Ion: 82 Resp: 866535

Ion	Ratio	Lower	Upper
82	100		
128	44.7	37.7	56.5
54	52.5	39.8	59.6

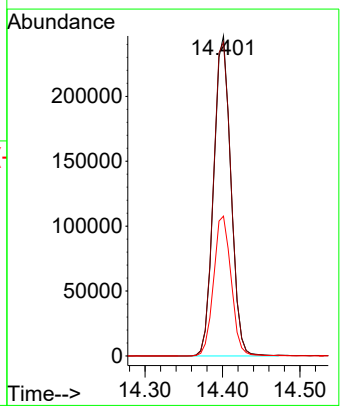


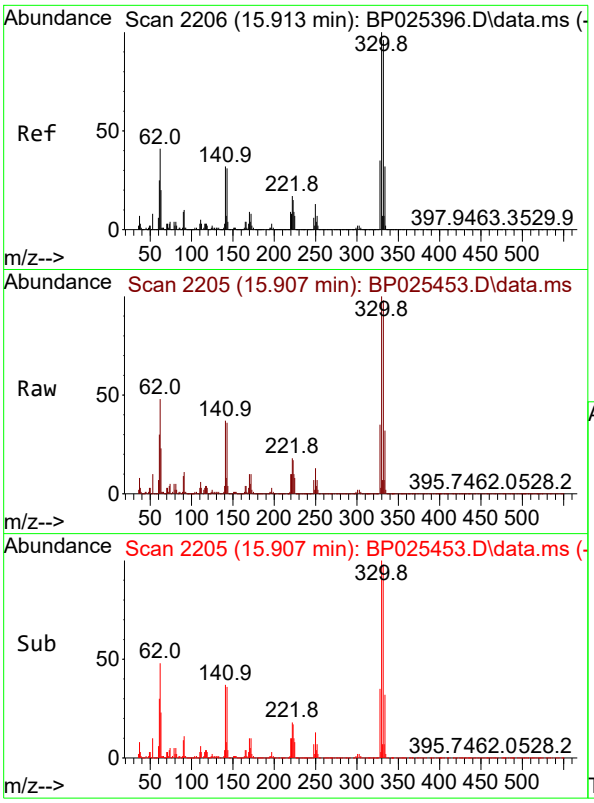


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Tgt Ion:164 Resp: 379729

Ion	Ratio	Lower	Upper
164	100		
162	98.1	81.0	121.6
160	43.7	35.4	53.2



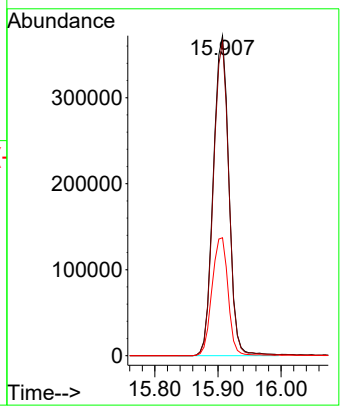


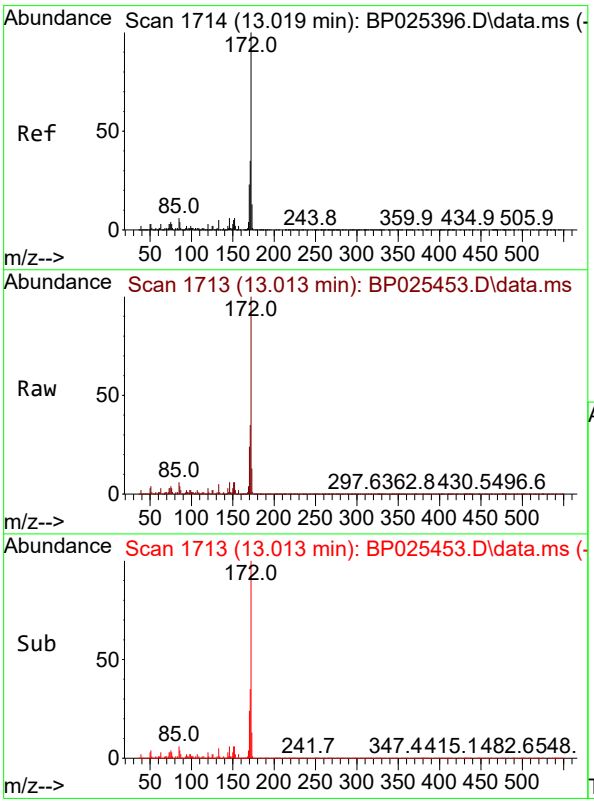
#42
2,4,6-Tribromophenol
Concen: 124.939 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Instrument :
BNA_P
ClientSampleId :
TG-S04

Tgt Ion:330 Resp: 638587

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.3	115.9
141	38.1	26.6	39.8

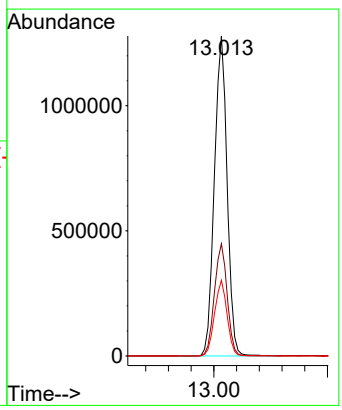


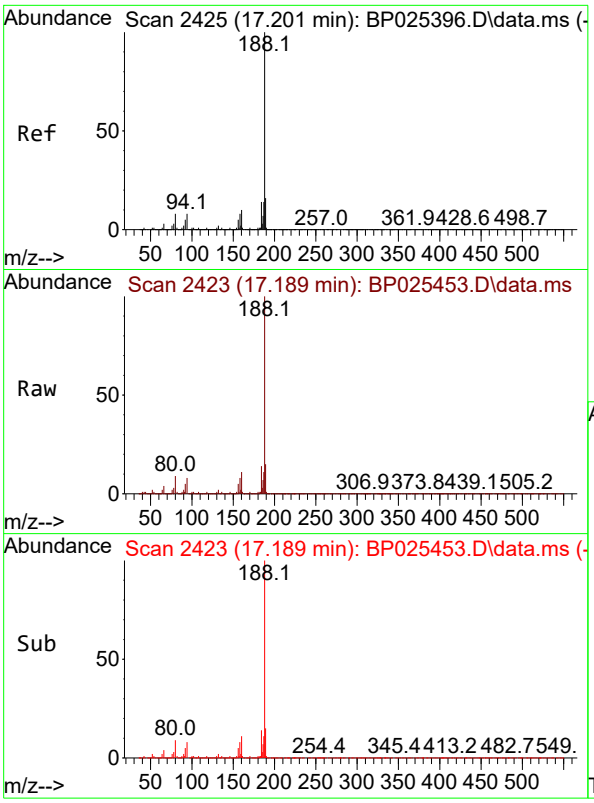


#45
2-Fluorobiphenyl
Concen: 71.354 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Tgt Ion:172 Resp: 1982544

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	23.7	18.6	28.0



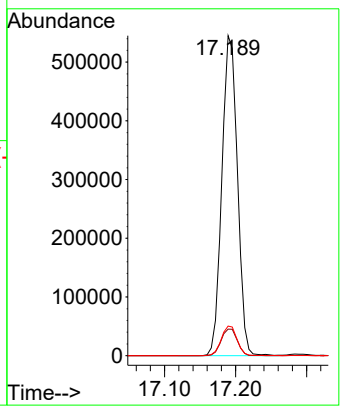


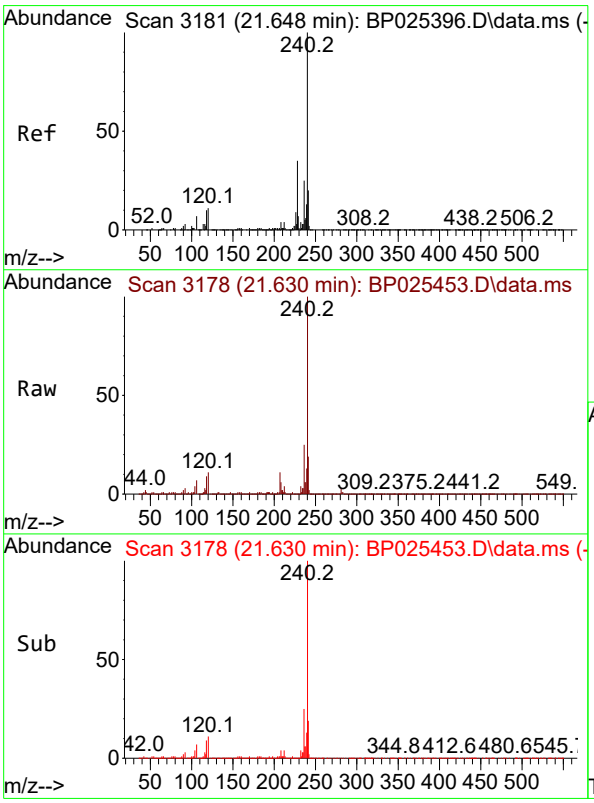
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Instrument :
BNA_P
ClientSampleId :
TG-S04

Tgt Ion:188 Resp: 826858

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.2	6.7	10.1

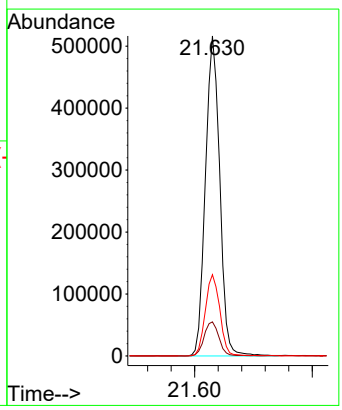


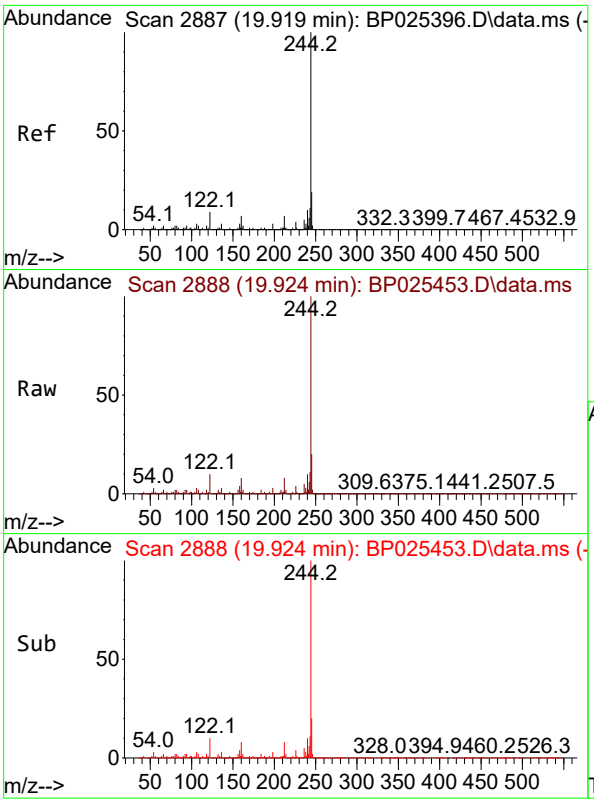


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Tgt Ion:240 Resp: 871981

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.4	19.8	29.8



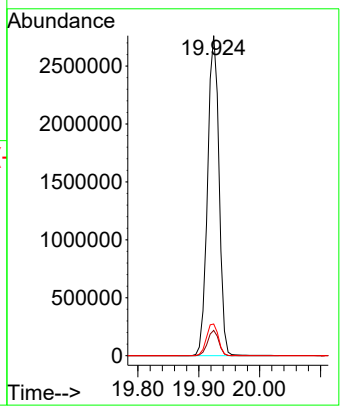


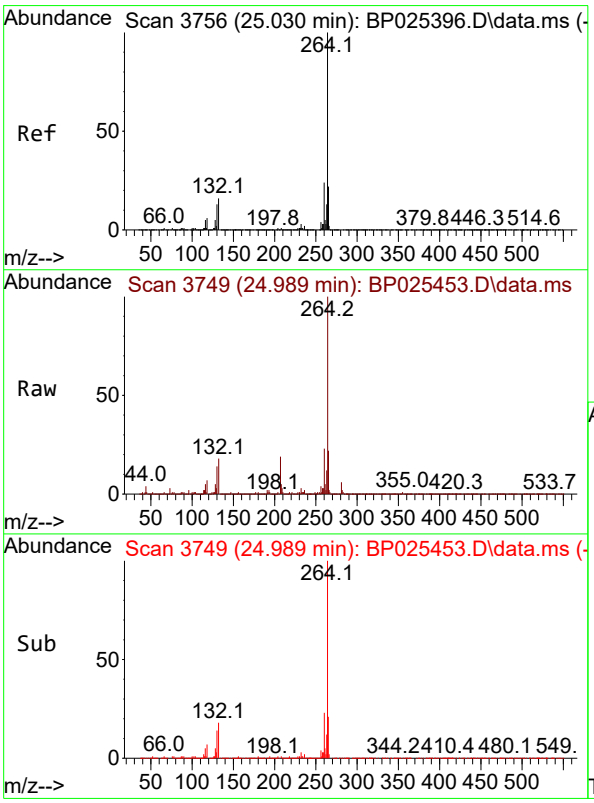
#79
Terphenyl-d14
Concen: 75.731 ng
RT: 19.924 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Instrument :
BNA_P
ClientSampleId :
TG-S04

Tgt Ion:244 Resp: 3609359

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.6
122	9.9	7.4	11.2

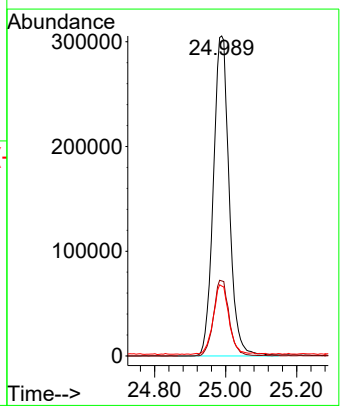




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025453.D
Acq: 16 Aug 2025 10:11

Tgt Ion:264 Resp: 942630

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.3	28.9
265	21.9	17.4	26.0



Raw Data: **BF143434.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-10	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143434.D	1	08/14/25 10:30	08/18/25 11:41	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		15 (23) - 110 (138)	87%	SPK: 150
13127-88-3	Phenol-d6	124		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (67) - 130 (132)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.4		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	96.0		30 (42) - 130 (152)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	115000	6.928			
1146-65-2	Naphthalene-d8	445000	8.204			
15067-26-2	Acenaphthene-d10	246000	9.957			
1517-22-2	Phenanthrene-d10	401000	11.445			
1719-03-5	Chrysene-d12	274000	14.086			
1520-96-3	Perylene-d12	260000	15.574			

Raw Data: **BF143434.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-10	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143434.D	1	08/14/25 10:30	08/18/25 11:41	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **BF143434.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143434.D
Acq On : 18 Aug 2025 11:41
Operator : RC/JU
Sample : Q2832-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TG-S05

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

Quant Time: Aug 18 12:23:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	115498	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	444901	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	246416	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	401400	20.000	ng	0.00
76) Chrysene-d12	14.086	240	273750	20.000	ng	0.00
86) Perylene-d12	15.574	264	259673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	871355	131.145	ng	0.01
7) Phenol-d6	6.557	99	1039114	124.099	ng	0.00
23) Nitrobenzene-d5	7.481	82	765549	102.106	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	345175	157.378	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1382683	94.379	ng	0.00
79) Terphenyl-d14	13.027	244	1564193	95.986	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.975	122	11065m	3.464	ng	

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

Sample Results: **BF143434.D**

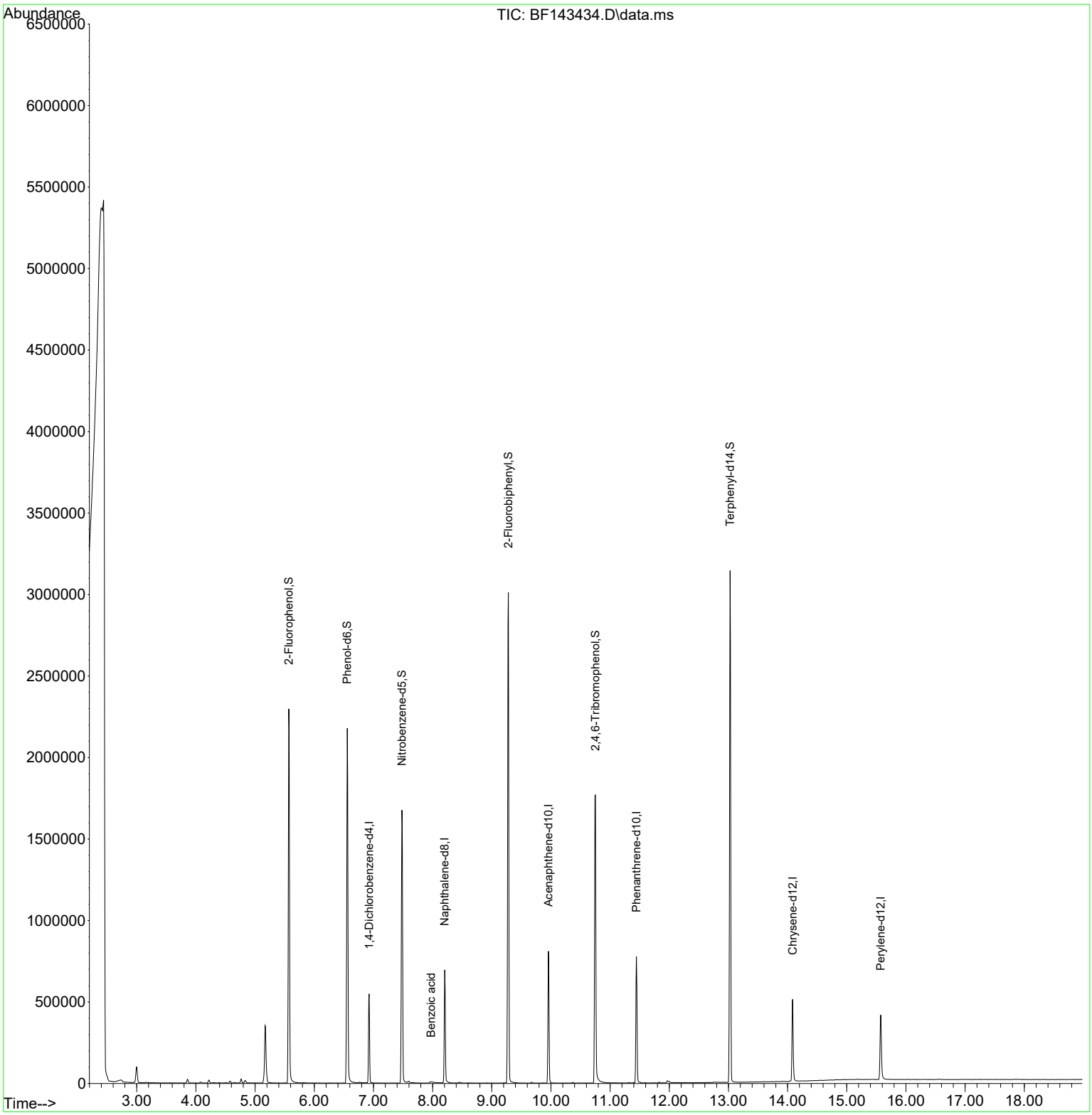
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143434.D
Acq On : 18 Aug 2025 11:41
Operator : RC/JU
Sample : Q2832-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

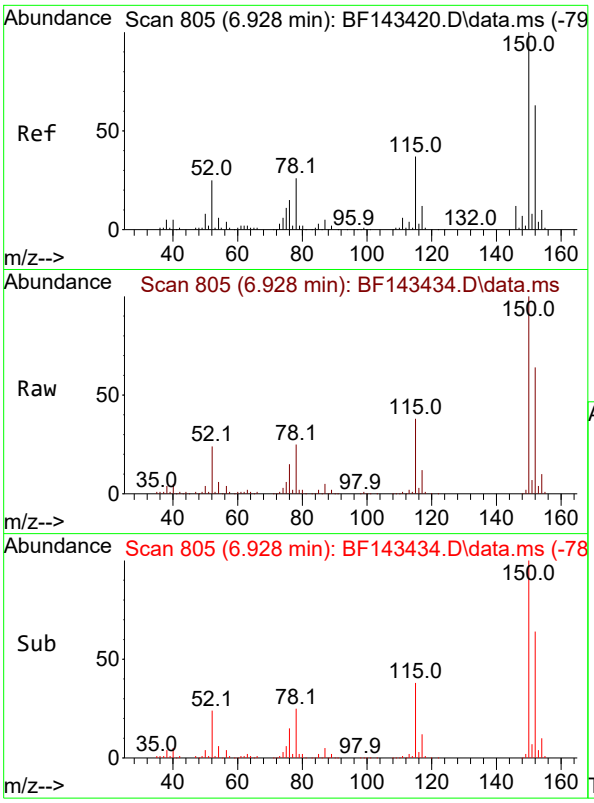
Quant Time: Aug 18 12:23:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TG-S05

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

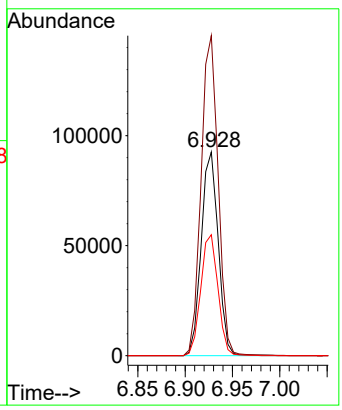




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:152 Resp: 11549

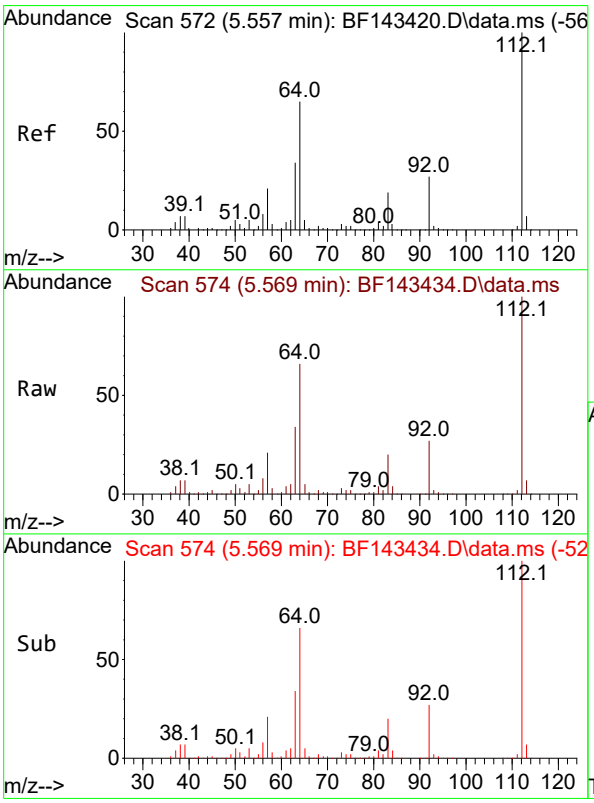
Ion	Ratio	Lower	Upper
152	100		
150	157.1	127.4	191.2
115	59.4	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
TG-S05

Manual Integrations
APPROVED

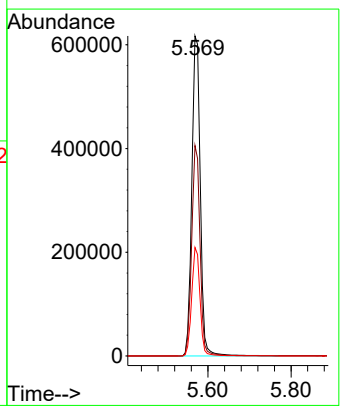
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

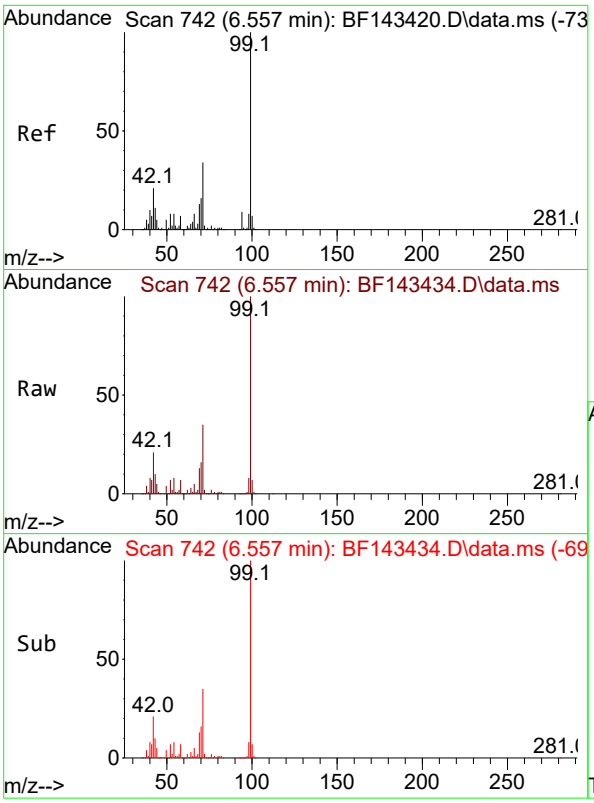


#5
2-Fluorophenol
Concen: 131.145 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.012 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:112 Resp: 871355

Ion	Ratio	Lower	Upper
112	100		
64	65.8	52.2	78.2
63	33.9	27.0	40.6

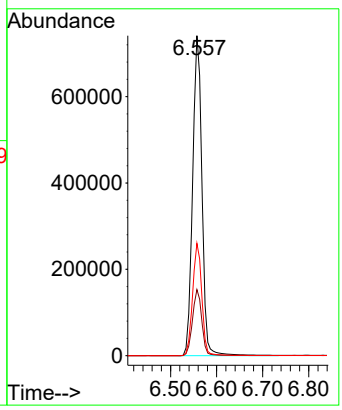




#7
Phenol-d6
Concen: 124.099 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion: 99 Resp: 103911

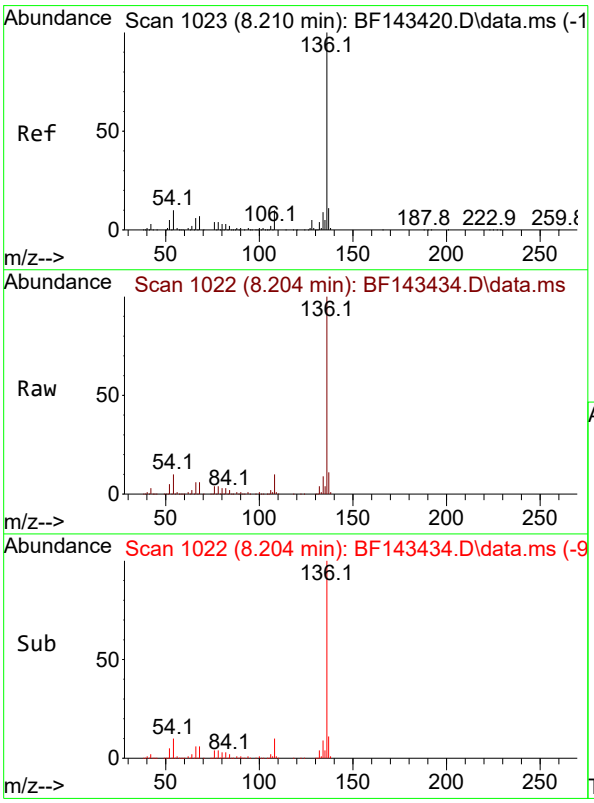
Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	35.1	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
TG-S05

Manual Integrations
APPROVED

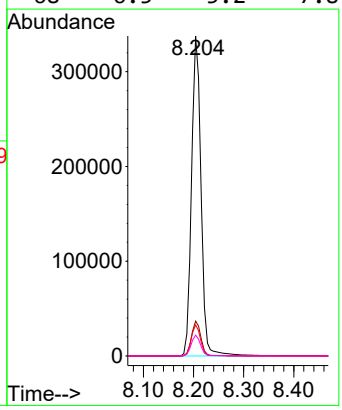
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

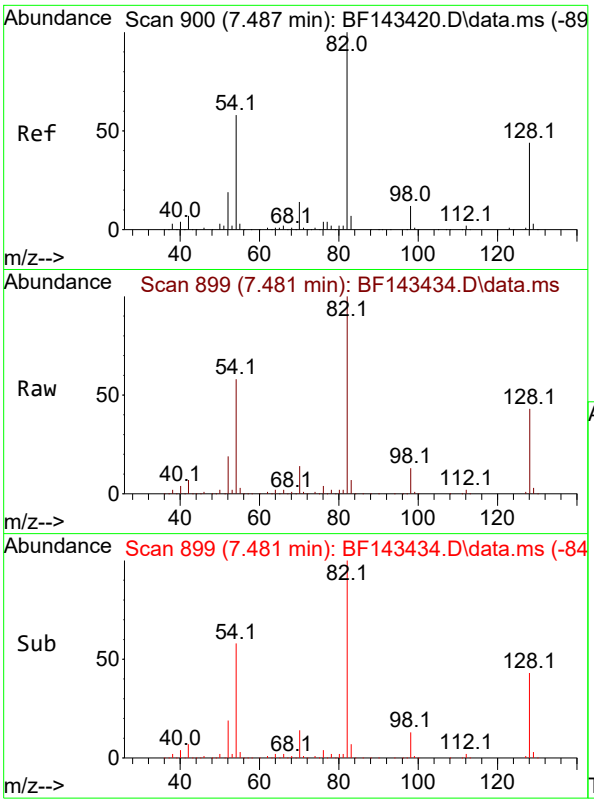


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:136 Resp: 444901

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.7	7.8	11.8
68	6.5	5.2	7.8





#23
Nitrobenzene-d5
Concen: 102.106 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

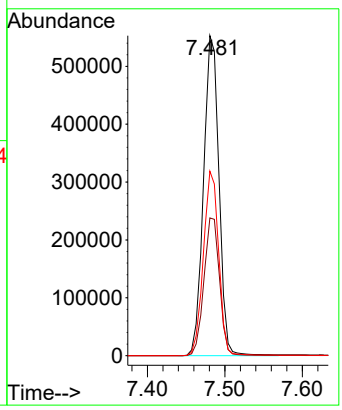
Tgt Ion: 82 Resp: 765549

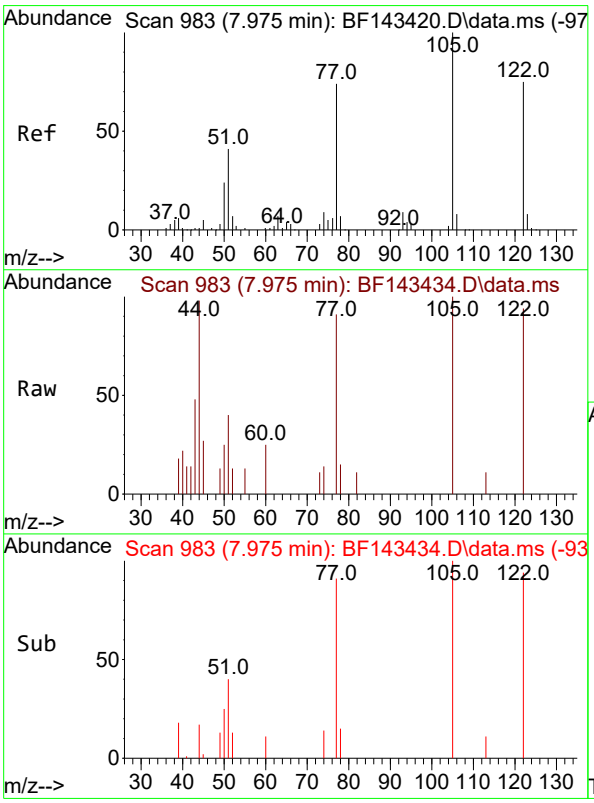
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	52.0
54	57.7	46.0	69.0

Instrument :
BNA_F
ClientSampleId :
TG-S05

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

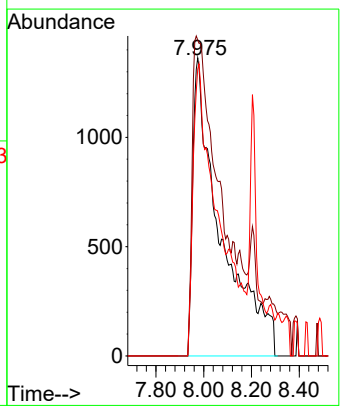


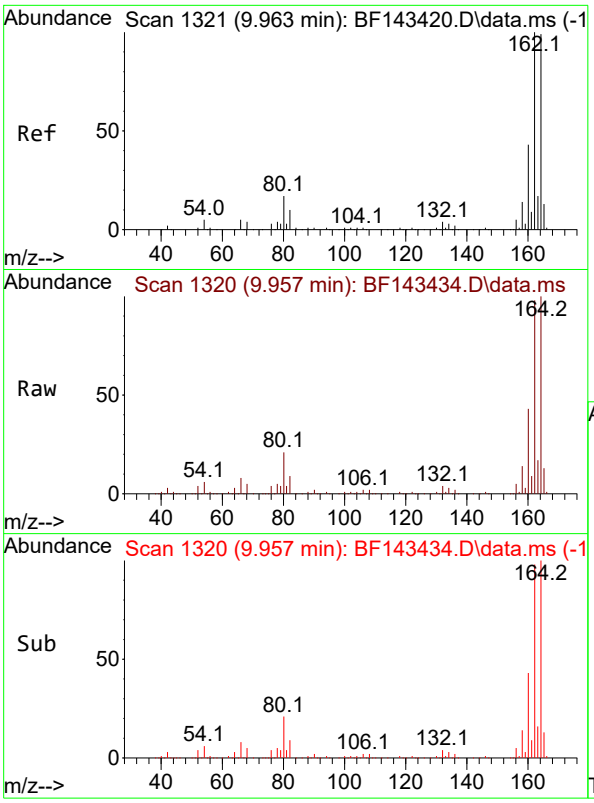


#32
Benzoic acid
Concen: 3.464 ng m
RT: 7.975 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:122 Resp: 11065

Ion	Ratio	Lower	Upper
122	100		
105	106.0	108.4	148.4#
77	96.2	75.9	115.9

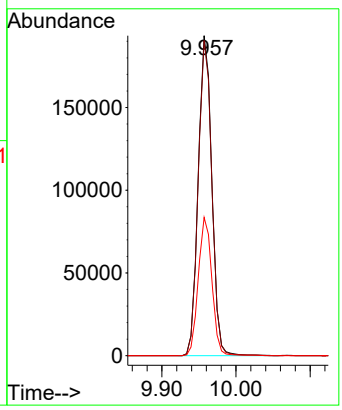




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:164 Resp: 24641

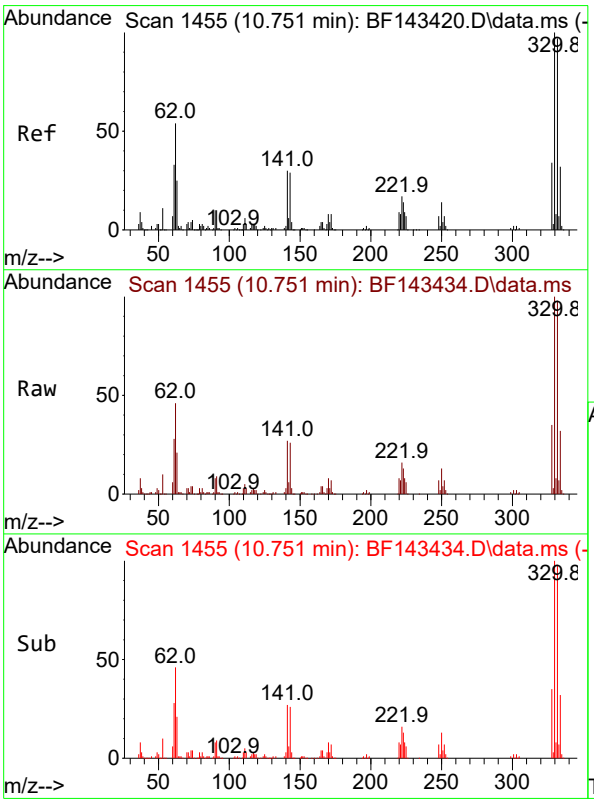
Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	121.0
160	43.2	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
TG-S05

Manual Integrations
APPROVED

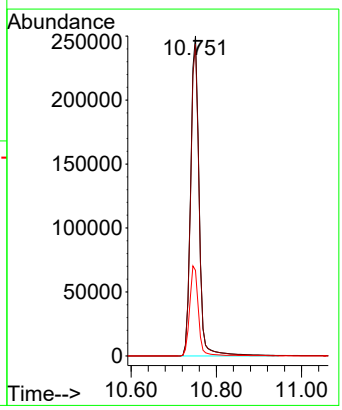
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

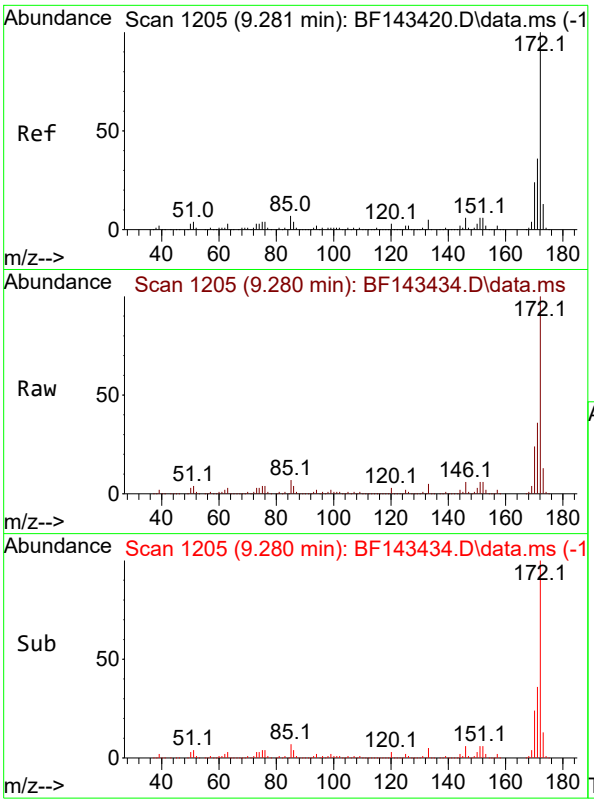


#42
2,4,6-Tribromophenol
Concen: 157.378 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:330 Resp: 345175

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.2
141	29.3	24.1	36.1

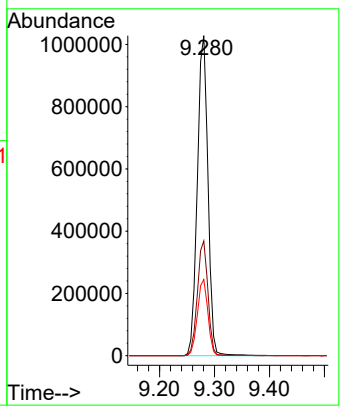




#45
2-Fluorobiphenyl
Concen: 94.379 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:172 Resp: 138268

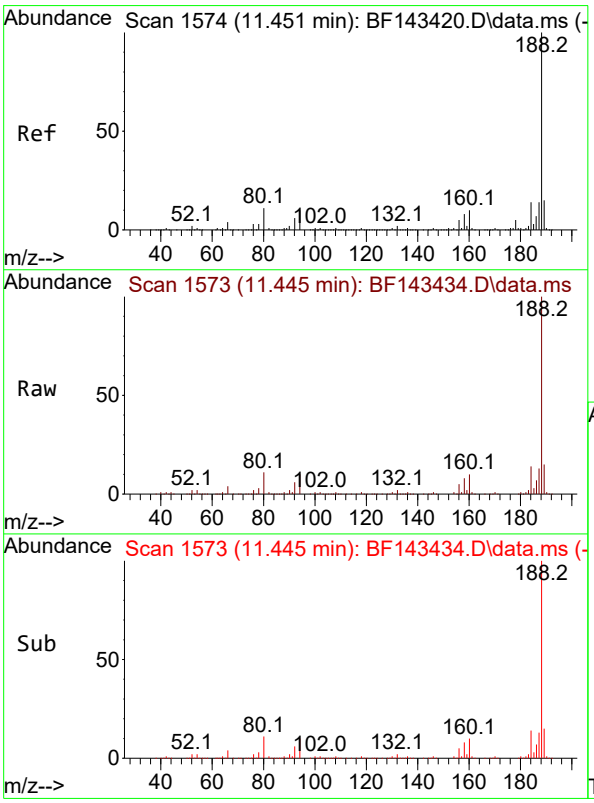
Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	23.8	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
TG-S05

Manual Integrations
APPROVED

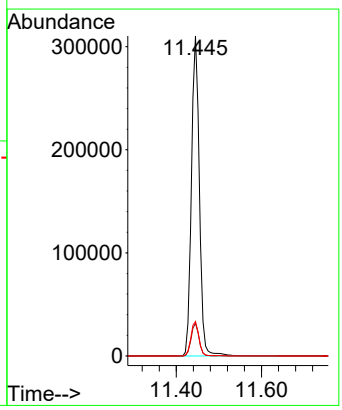
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

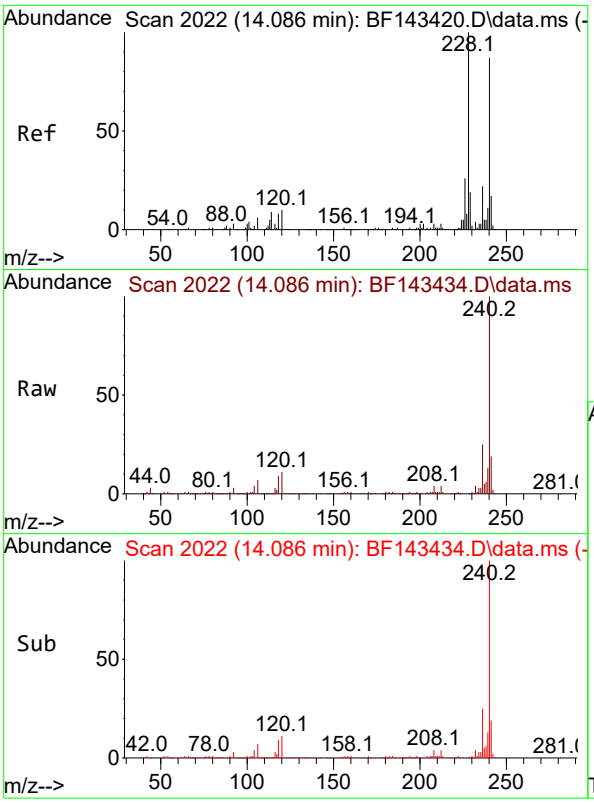


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:188 Resp: 401400

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.0	12.0
80	10.8	8.6	12.8

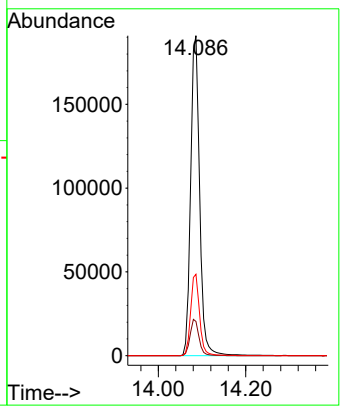




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:240 Resp: 27375(

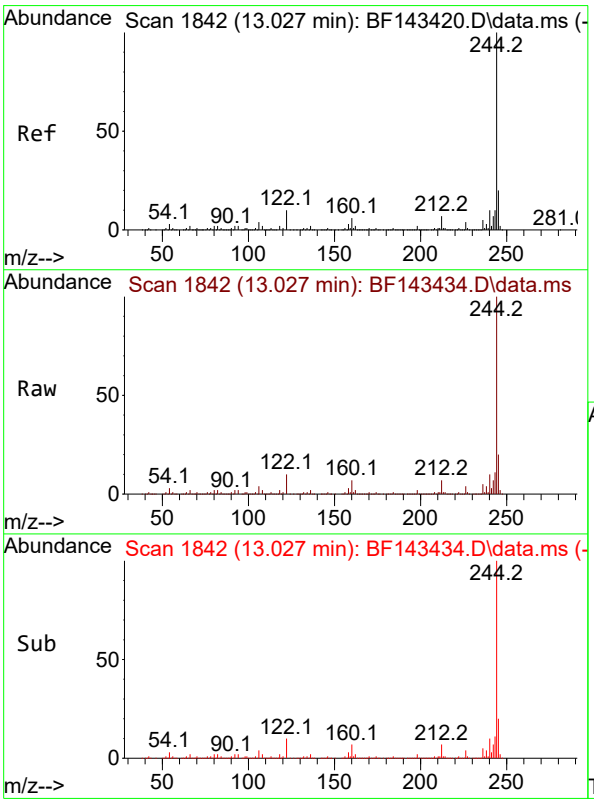
Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.4
236	25.4	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
TG-S05

Manual Integrations
APPROVED

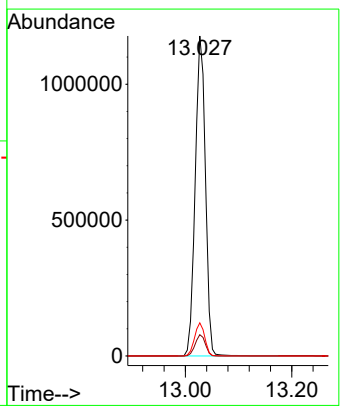
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

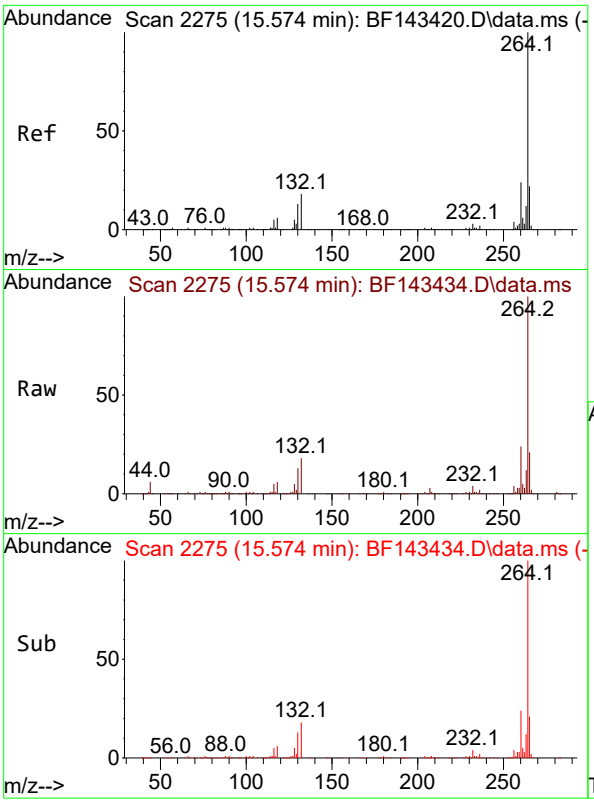


#79
Terphenyl-d14
Concen: 95.986 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:244 Resp: 1564193

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	10.4	8.3	12.5

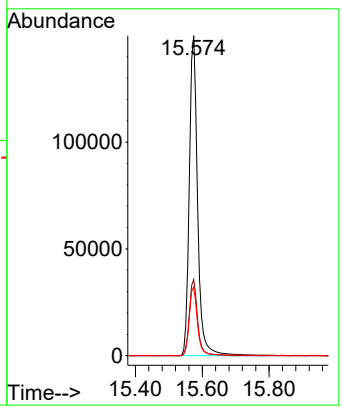




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:264 Resp: 25967

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	21.4	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
TG-S05

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP
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: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_F Calibration Date(s): 08/15/2025 08/15/2025

Calibration Time(s): 14:29 17:57

LAB FILE ID: RRF2.5 = BF143416.D RRF005 = BF143417.D RRF010 = BF143418.D
RRF020 = BF143419.D RRF040 = BF143420.D RRF050 = BF143421.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.356	1.375	1.488	1.487	1.463	1.453	4.3
2-Fluorophenol		1.192	1.169	1.228	1.147	1.101	1.151	4.6
Phenol-d6		1.573	1.494	1.536	1.414	1.383	1.450	5.9
1,4-Dichlorobenzene		1.542	1.482	1.493	1.397	1.355	1.421	6.2
2-Methylphenol		1.104	1.036	1.080	1.025	0.989	1.036	4.2
3+4-Methylphenols			1.321	1.391	1.241	1.167	1.239	8.5
Nitrobenzene-d5		0.350	0.333	0.352	0.339	0.330	0.337	3.6
Hexachloroethane		0.514	0.484	0.513	0.478	0.461	0.484	4.7
Nitrobenzene		0.359	0.347	0.372	0.357	0.345	0.352	3.6
Hexachlorobutadiene		0.200	0.185	0.192	0.184	0.174	0.184	5.5
2,4,6-Trichlorophenol		0.345	0.341	0.363	0.353	0.341	0.348	2.6
2-Fluorobiphenyl		1.445	1.340	1.291	1.132	1.074	1.189	14.5
2,4,5-Trichlorophenol		0.378	0.358	0.395	0.378	0.370	0.373	3.6
2,4-Dinitrotoluene		0.293	0.308	0.347	0.334	0.328	0.328	7.1
2,4,6-Tribromophenol		0.184	0.176	0.186	0.177	0.171	0.178	4.2
Hexachlorobenzene		0.276	0.252	0.259	0.244	0.242	0.251	5.1
Pentachlorophenol			0.077	0.106	0.114	0.117	0.110	15.8
Terphenyl-d14		1.415	1.276	1.329	1.147	1.057	1.191	14.6

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-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Aug 18 04:40:19 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143416.D 5 =BF143417.D 10 =BF143418.D 20 =BF143419.D 40 =BF143420.D 50 =BF143421.D 60 =BF143422.D 80 =BF1434
23.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.557	0.560	0.568	0.564	0.536	0.551	0.542	0.554	2.10
3)		Pyridine		1.356	1.375	1.488	1.487	1.463	1.515	1.484	1.453	4.25
4)		n-Nitrosodimet...			0.641	0.669	0.680	0.674	0.690	0.696	0.675	2.88
5)	S	2-Fluorophenol		1.192	1.169	1.228	1.147	1.101	1.143	1.072	1.151	4.58
6)		Aniline		2.064	1.981	2.086	1.984	1.904	1.944	1.816	1.968	4.70
7)	S	Phenol-d6		1.573	1.494	1.536	1.414	1.383	1.414	1.336	1.450	5.94
8)		2-Chlorophenol		1.322	1.290	1.348	1.252	1.210	1.258	1.212	1.270	4.14
9)		Benzaldehyde			1.043	1.069	0.734	0.637	0.640	0.504	0.771	30.13
10)	C	Phenol		1.785	1.746	1.821	1.698	1.623	1.666	1.505	1.692	6.34
11)		bis(2-Chloroet...		1.326	1.264	1.308	1.236	1.207	1.234	1.205	1.254	3.78
12)		1,3-Dichlorobe...		1.565	1.479	1.502	1.395	1.333	1.385	1.301	1.423	6.72
13)	C	1,4-Dichlorobe...		1.542	1.482	1.493	1.397	1.355	1.378	1.296	1.421	6.16
14)		1,2-Dichlorobe...		1.484	1.421	1.431	1.325	1.286	1.310	1.241	1.357	6.54
15)		Benzyl Alcohol			1.030	1.110	1.079	1.059	1.080	1.057	1.069	2.52
16)		2,2'-oxybis(1-...		2.414	2.259	2.291	2.096	2.014	2.066	1.869	2.144	8.70
17)		2-Methylphenol		1.104	1.036	1.080	1.025	0.989	1.035	0.985	1.036	4.22
18)		Hexachloroethane		0.514	0.484	0.513	0.478	0.461	0.478	0.456	0.484	4.69
19)	P	n-Nitroso-di-n...	0.964	0.986	0.939	0.942	0.863	0.831	0.852	0.804	0.898	7.57
20)		3+4-Methylphenols			1.321	1.391	1.241	1.167	1.214	1.098	1.239	8.49
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.501	0.459	0.462	0.419	0.395	0.406	0.369	0.430	10.66
23)	S	Nitrobenzene-d5		0.350	0.333	0.352	0.339	0.330	0.339	0.317	0.337	3.56
24)		Nitrobenzene		0.359	0.347	0.372	0.357	0.345	0.354	0.332	0.352	3.63
25)		Isophorone		0.693	0.642	0.671	0.634	0.615	0.645	0.616	0.645	4.37
26)	C	2-Nitrophenol		0.141	0.149	0.170	0.170	0.170	0.176	0.168	0.163	7.98
27)		2,4-Dimethylph...		0.296	0.286	0.301	0.270	0.262	0.269	0.249	0.276	6.80
28)		bis(2-Chloroet...		0.441	0.404	0.413	0.390	0.374	0.392	0.362	0.397	6.60
29)	C	2,4-Dichloroph...		0.292	0.281	0.301	0.281	0.271	0.284	0.260	0.281	4.72
30)		1,2,4-Trichlor...		0.318	0.298	0.304	0.283	0.274	0.282	0.260	0.288	6.76
31)		Naphthalene		1.067	0.987	1.013	0.941	0.891	0.921	0.827	0.950	8.44
32)		Benzoic acid			0.114	0.141	0.143	0.146	0.157	0.161	0.144	11.66
33)		4-Chloroaniline		0.355	0.352	0.362	0.344	0.331	0.343	0.313	0.343	4.86
34)	C	Hexachlorobuta...		0.200	0.185	0.192	0.184	0.174	0.182	0.170	0.184	5.50
35)		Caprolactam			0.077	0.084	0.080	0.080	0.087	0.078	0.081	4.78
36)	C	4-Chloro-3-met...		0.308	0.290	0.301	0.288	0.282	0.294	0.266	0.290	4.74
37)		2-Methylnaphth...		0.737	0.678	0.687	0.625	0.592	0.616	0.544	0.640	10.16
38)		1-Methylnaphth...		0.704	0.650	0.662	0.597	0.572	0.584	0.524	0.613	10.04

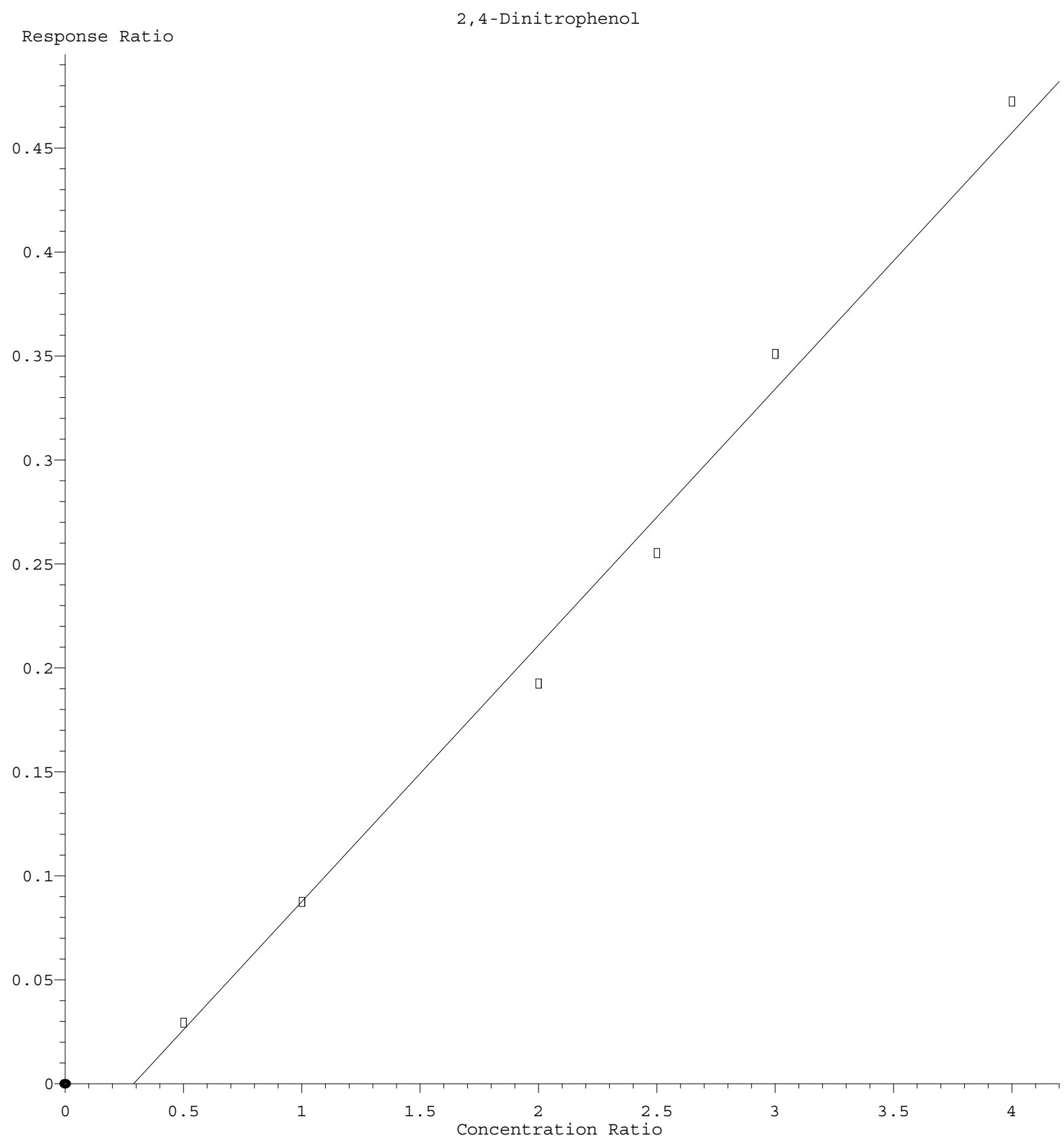
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.611	0.587	0.585	0.549	0.532	0.540	0.501	0.558	6.82
41)	P	Hexachlorocycl...		0.089	0.140	0.179	0.192	0.190	0.213	0.167	27.09
42)	S	2,4,6-Tribromo...	0.184	0.176	0.186	0.177	0.171	0.185	0.167	0.178	4.15
43)	C	2,4,6-Trichlor...	0.345	0.341	0.363	0.353	0.341	0.354	0.338	0.348	2.63
44)		2,4,5-Trichlor...	0.378	0.358	0.395	0.378	0.370	0.377	0.355	0.373	3.64
45)	S	2-Fluorobiphenyl	1.445	1.340	1.291	1.132	1.074	1.082	0.960	1.189	14.52
46)		1,1'-Biphenyl	1.568	1.524	1.502	1.375	1.316	1.331	1.221	1.405	9.12
47)		2-Chloronaphth...	1.225	1.174	1.179	1.083	1.049	1.068	0.987	1.109	7.65
48)		2-Nitroaniline	0.313	0.317	0.343	0.336	0.332	0.348	0.323	0.330	4.01
49)		Acenaphthylene	1.765	1.680	1.705	1.573	1.519	1.555	1.415	1.602	7.56
50)		Dimethylphthalate	1.371	1.293	1.305	1.210	1.179	1.239	1.132	1.247	6.57
51)		2,6-Dinitrotol...	0.223	0.225	0.258	0.252	0.250	0.263	0.250	0.246	6.38
52)	C	Acenaphthene	1.202	1.126	1.143	1.043	1.019	1.057	0.950	1.077	7.92
53)		3-Nitroaniline	0.254	0.261	0.283	0.283	0.274	0.293	0.268	0.274	4.96
54)	P	2,4-Dinitrophenol		0.059	0.087	0.096	0.102	0.117	0.118	0.097	22.78
55)		Dibenzofuran	1.754	1.669	1.662	1.516	1.447	1.497	1.333	1.554	9.47
56)	P	4-Nitrophenol		0.131	0.170	0.179	0.178	0.196	0.179	0.172	12.64
57)		2,4-Dinitrotol...	0.293	0.308	0.347	0.334	0.328	0.363	0.322	0.328	7.15
58)		Fluorene	1.415	1.318	1.287	1.133	1.080	1.136	0.987	1.194	12.61
59)		2,3,4,6-Tetrac...	0.260	0.265	0.293	0.297	0.283	0.307	0.270	0.282	6.22
60)		Diethylphthalate	1.308	1.233	1.217	1.108	1.055	1.150	0.994	1.152	9.47
61)		4-Chlorophenyl...	0.669	0.633	0.622	0.574	0.551	0.573	0.508	0.590	9.25
62)		4-Nitroaniline	0.237	0.255	0.271	0.261	0.247	0.283	0.240	0.256	6.48
63)		Azobenzene	1.301	1.211	1.229	1.137	1.094	1.158	1.023	1.165	7.89
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.073	0.096	0.107	0.107	0.117	0.118	0.103	16.32
66)	c	n-Nitrosodiphe...	0.707	0.667	0.676	0.645	0.624	0.623	0.609	0.650	5.40
67)		4-Bromophenyl-...	0.248	0.234	0.243	0.236	0.232	0.231	0.230	0.236	2.92
68)		Hexachlorobenzene	0.276	0.252	0.259	0.244	0.242	0.244	0.240	0.251	5.10
69)		Atrazine	0.188	0.189	0.197	0.190	0.185	0.201	0.181	0.190	3.67
70)	C	Pentachlorophenol		0.077	0.106	0.114	0.117	0.123	0.125	0.110	15.80
71)		Phenanthrene	1.238	1.155	1.132	1.060	1.008	1.034	0.955	1.083	8.96
72)		Anthracene	1.236	1.159	1.166	1.065	1.024	1.045	0.962	1.094	8.76
73)		Carbazole	1.044	0.995	0.976	0.895	0.849	0.910	0.807	0.925	9.10
74)		Di-n-butylphth...	0.965	0.959	0.970	0.892	0.851	0.975	0.837	0.921	6.49
75)	C	Fluoranthene	1.128	1.083	1.026	0.893	0.844	0.955	0.807	0.962	12.67
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.637	0.749	0.567	0.492	0.541		0.597	16.71
78)		Pyrene	1.958	1.822	1.950	1.698	1.596	1.805	1.339	1.738	12.55
79)	S	Terphenyl-d14	1.415	1.276	1.329	1.147	1.057	1.212	0.899	1.191	14.61
80)		Butylbenzylpht...	0.352	0.372	0.446	0.459	0.450	0.487	0.448	0.431	11.36
81)		Benzo(a)anthra...	1.312	1.276	1.318	1.254	1.212	1.330	1.211	1.273	3.89
82)		3,3'-Dichlorob...		0.304	0.382	0.393	0.386	0.385	0.386	0.373	9.08
83)		Chrysene	1.240	1.186	1.240	1.194	1.156	1.138	1.087	1.177	4.71
84)		Bis(2-ethylhex...	0.500	0.492	0.624	0.668	0.685	0.649	0.662	0.611	13.23
85)	c	Di-n-octyl pht...		0.919	1.209	1.330	1.379	1.286	1.318	1.240	13.47

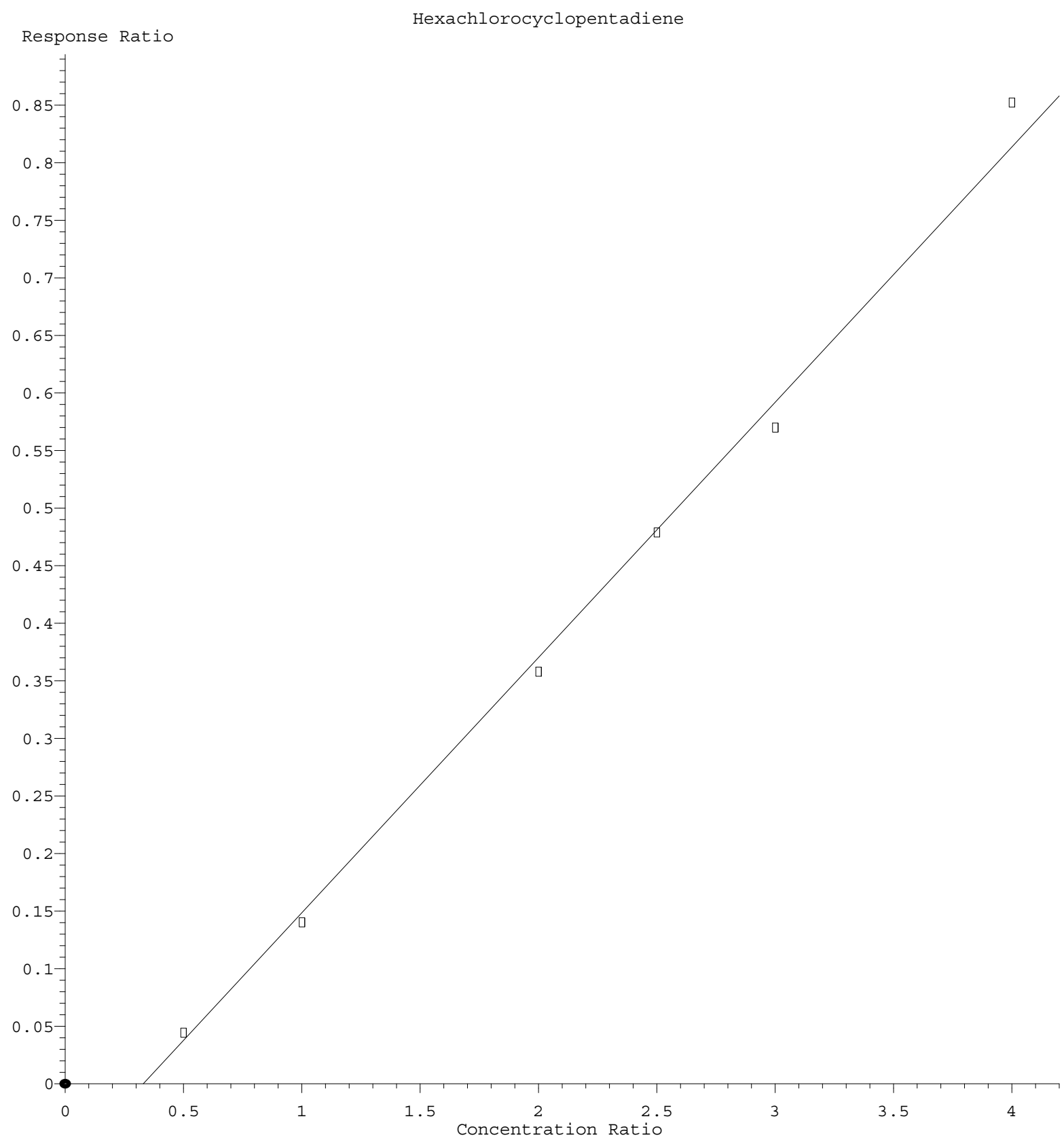
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.559	1.533	1.569	1.495	1.465	1.503	1.374	1.500	4.44
88)		Benzo(b)fluora...	1.147	1.002	1.158	1.090	1.030	1.042	1.036	1.072	5.66
89)		Benzo(k)fluora...	1.084	1.161	1.022	1.052	1.022	1.081	0.978	1.057	5.60
90)	C	Benzo(a)pyrene	1.005	1.017	1.054	1.043	1.009	1.042	0.976	1.021	2.68
91)		Dibenzo(a,h)an...	1.227	1.253	1.275	1.203	1.169	1.209	1.095	1.204	4.92
92)		Benzo(g,h,i)pe...	1.236	1.219	1.257	1.207	1.179	1.214	1.111	1.203	3.94

(#) = Out of Range



Response = 1.232e-001 * Amt - 3.554e-002
Coef of Det (r^2) = 0.993895 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081525.M
Calibration Table Last Updated: Mon Aug 18 04:40:19 2025



Response = 2.217e-001 * Amt - 7.311e-002
Coef of Det (r^2) = 0.996859 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081525.M
Calibration Table Last Updated: Mon Aug 18 04:40:19 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143416.D
Acq On : 15 Aug 2025 14:29
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 15 18:24:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	137517	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	527812	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	297167	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	489144	20.000	ng	0.00
76) Chrysene-d12	14.086	240	273482	20.000	ng	0.00
86) Perylene-d12	15.574	264	231757	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...	7.322	70	16577	2.686	ng	98

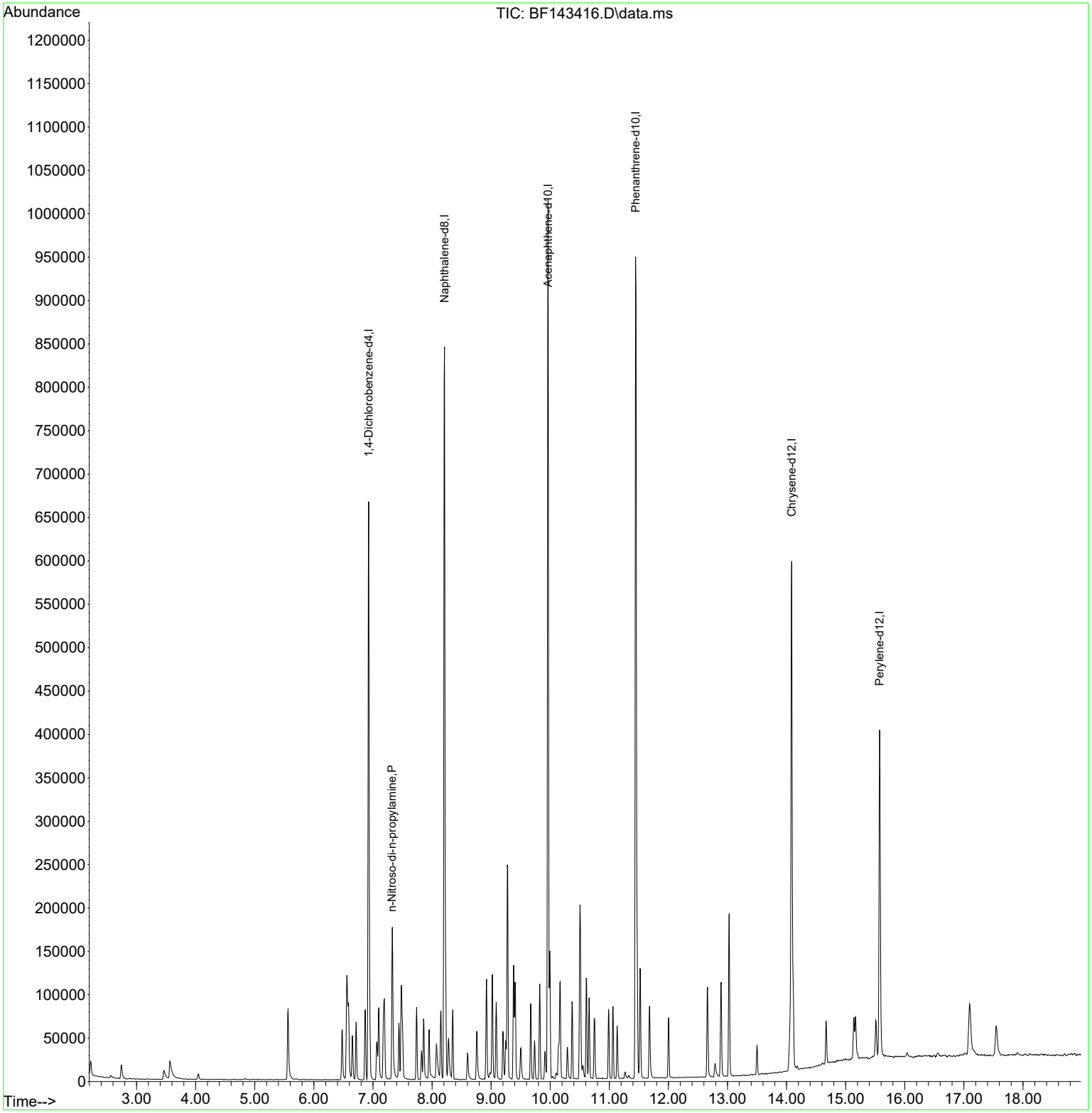
(#) = qualifier out of range (m) = manual integration (+) = signals summed

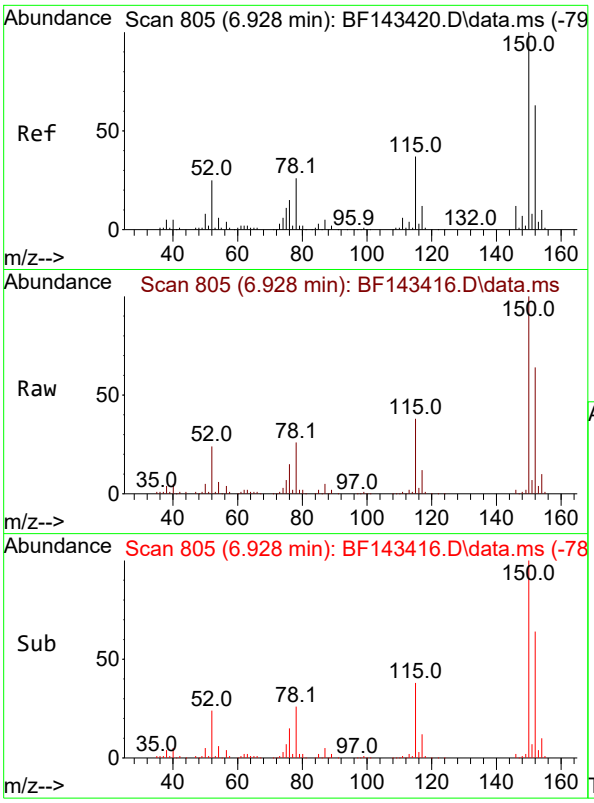
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143416.D
Acq On : 15 Aug 2025 14:29
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 15 18:24:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



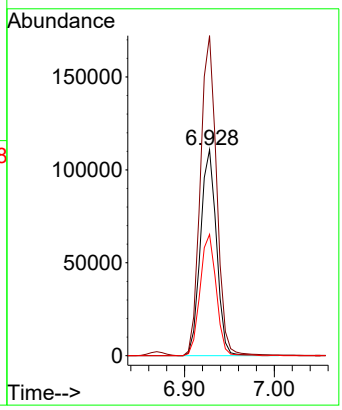


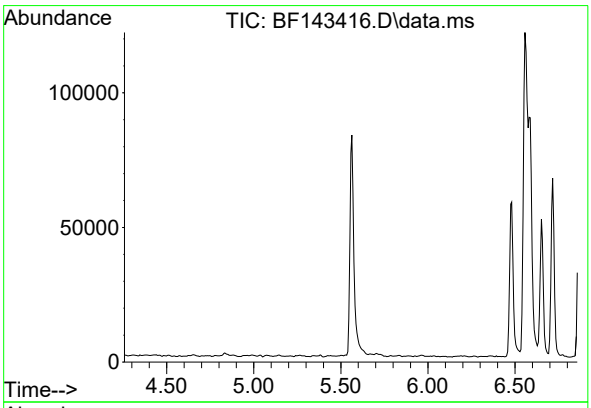
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 137517

Ion	Ratio	Lower	Upper
152	100		
150	155.4	127.4	191.2
115	58.9	47.5	71.3



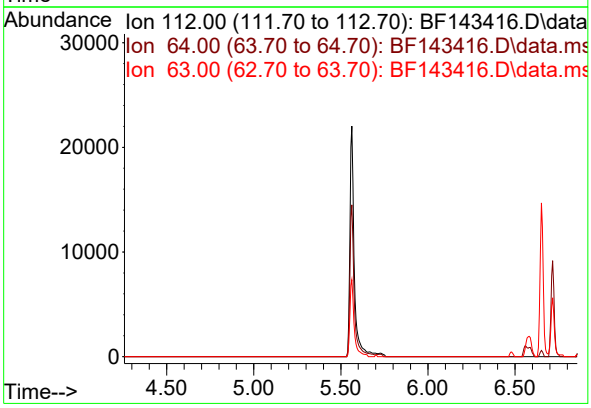


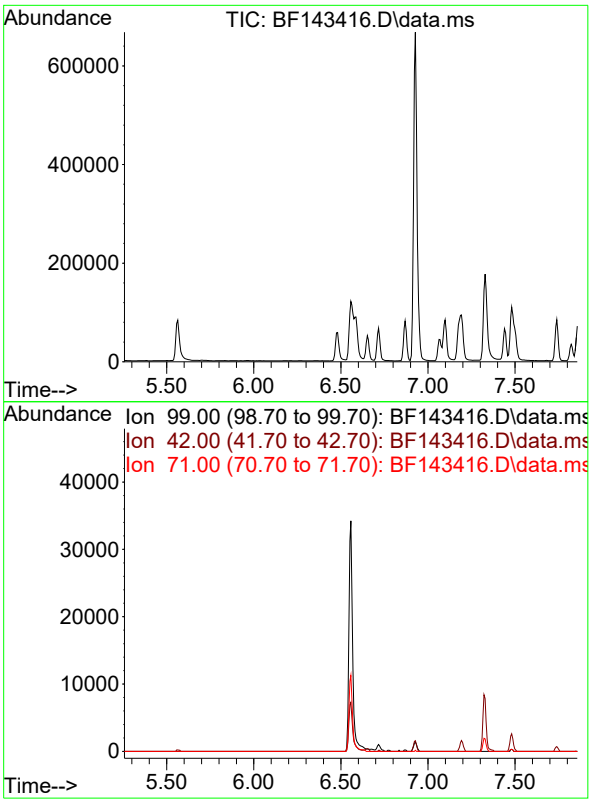
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.56 min

Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	65.2
63	33.8





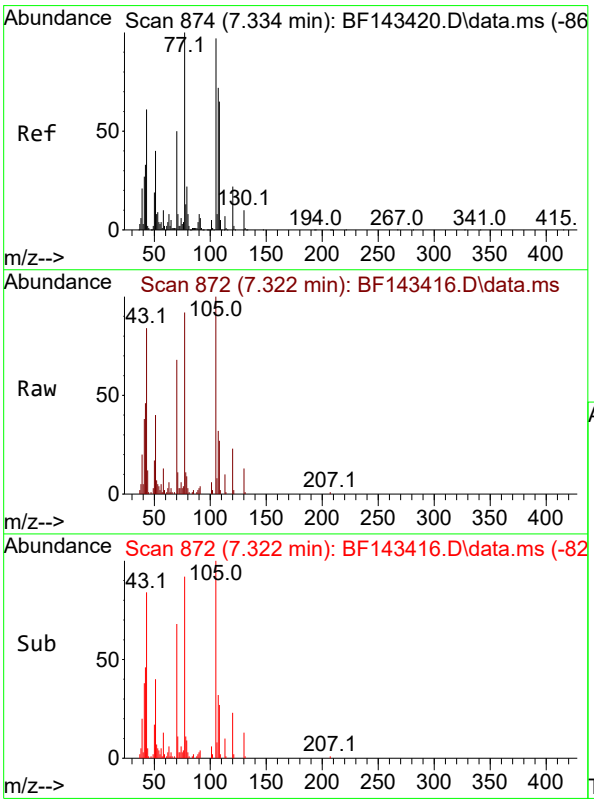
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.56 min

Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

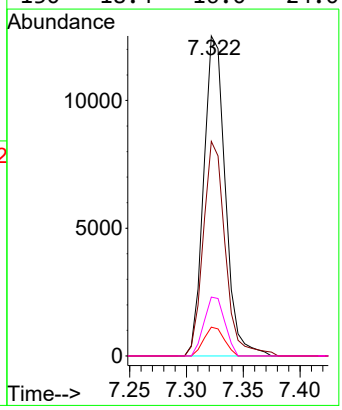
Sig	Exp Ratio
99	100
42	21.3
71	34.3

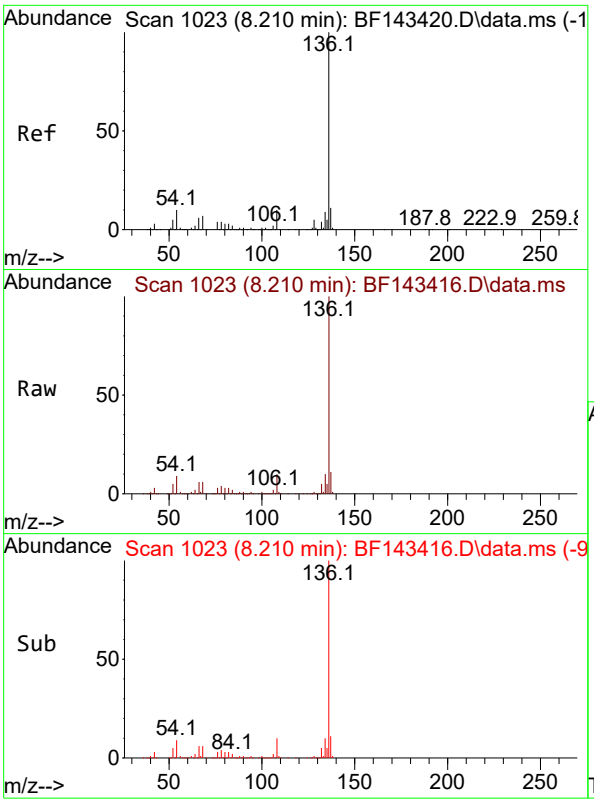


#19
n-Nitroso-di-n-propylamine
Concen: 2.686 ng
RT: 7.322 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion: 70 Resp: 16577

Ion	Ratio	Lower	Upper
70	100		
42	67.1	52.5	78.7
101	9.0	7.9	11.9
130	18.4	16.0	24.0



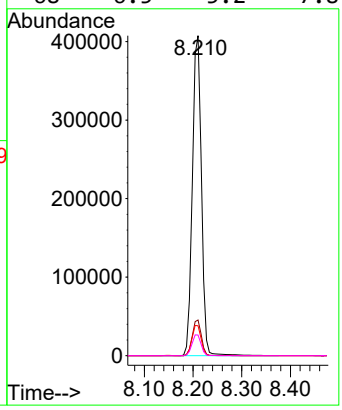


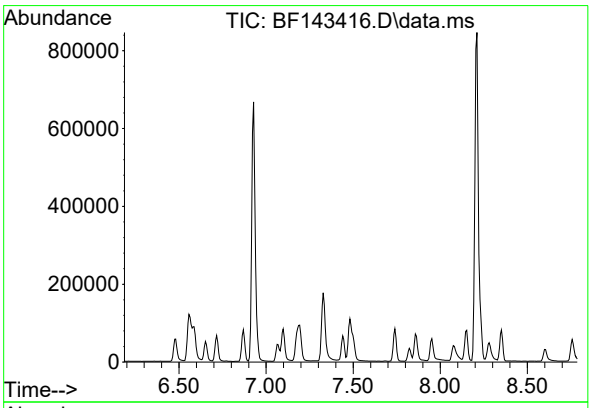
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 527812

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	9.4	7.8	11.8
68	6.5	5.2	7.8



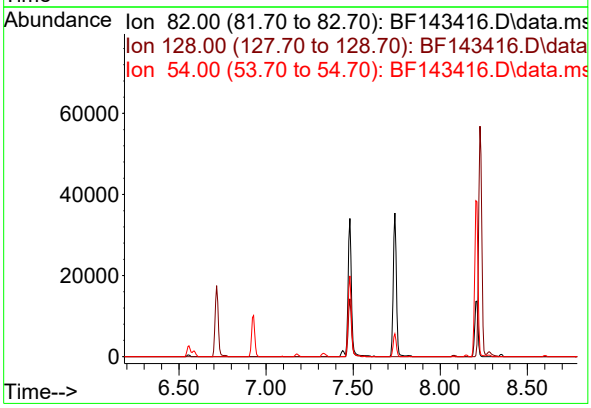


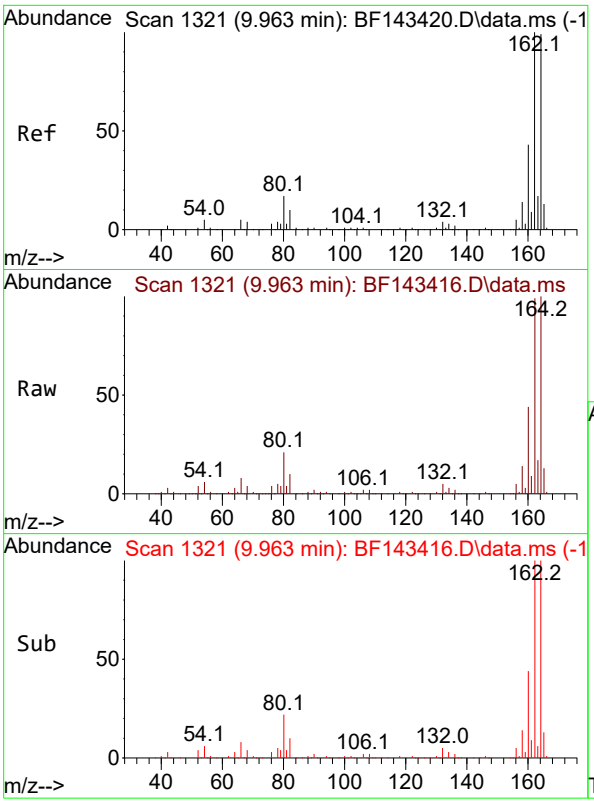
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.49 min

Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	43.3
54	57.5



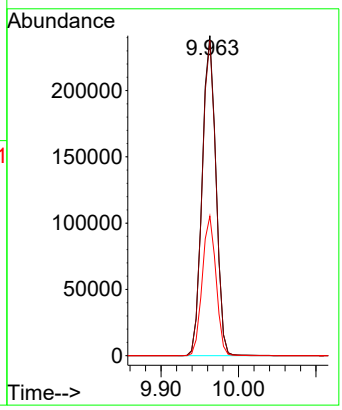


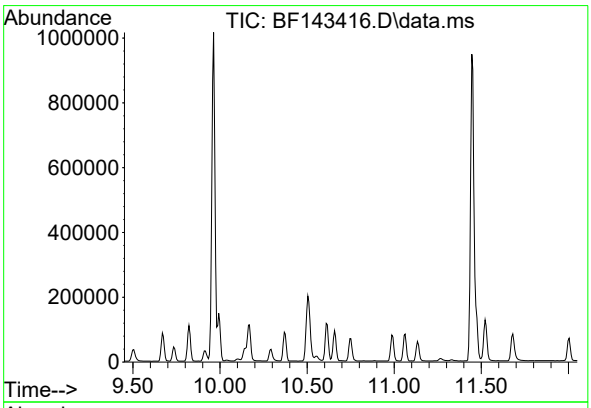
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 297167

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	121.0
160	43.6	34.6	51.8



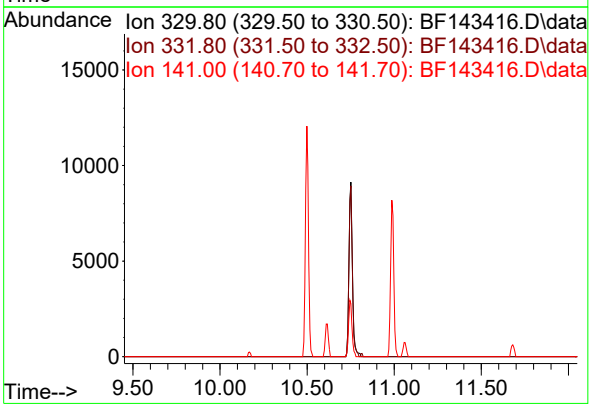


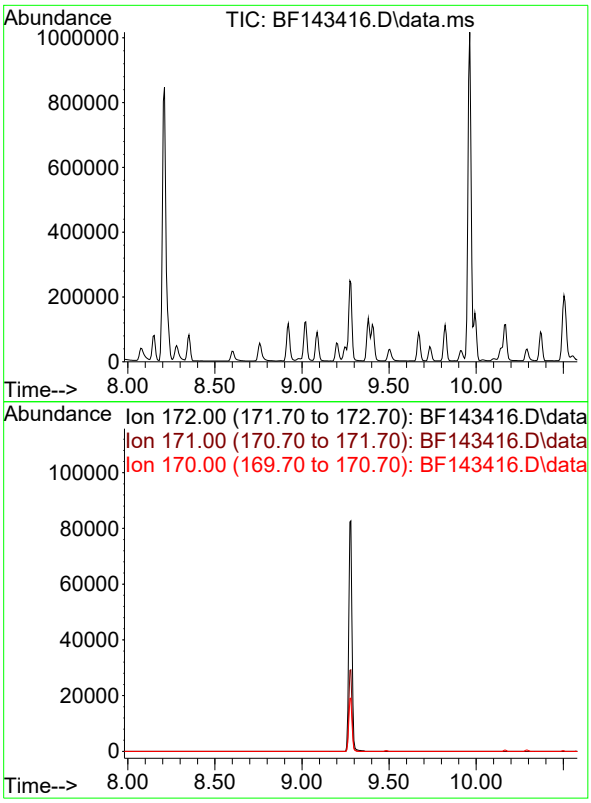
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.75 min

Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.8
141	30.1





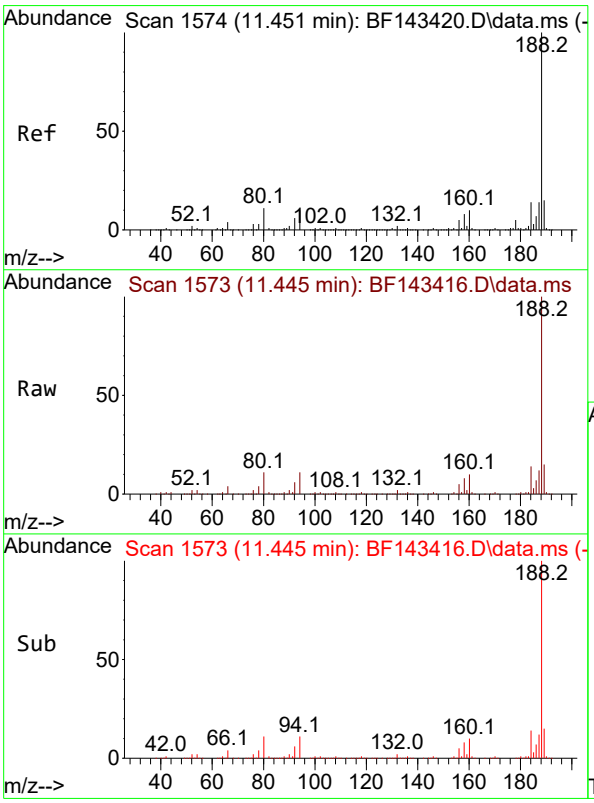
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.28 min

Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

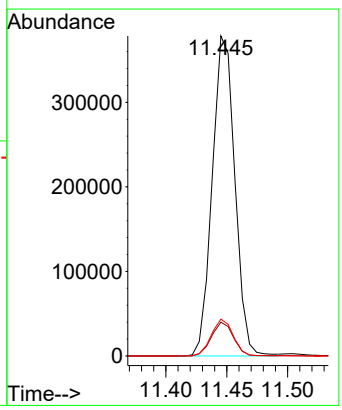
Sig	Exp Ratio
172	100
171	35.9
170	23.8

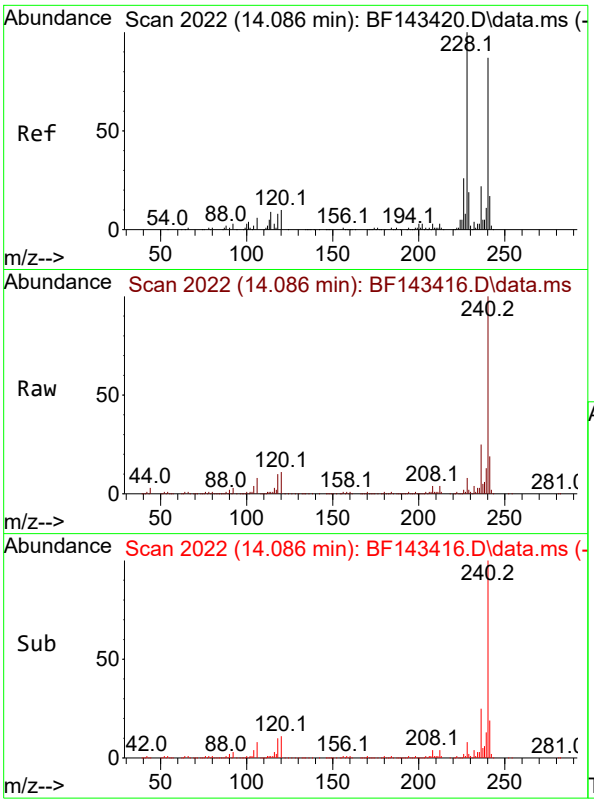


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion:188 Resp: 489144

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.0	12.0
80	11.5	8.6	12.8



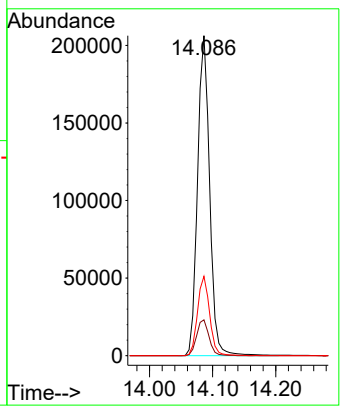


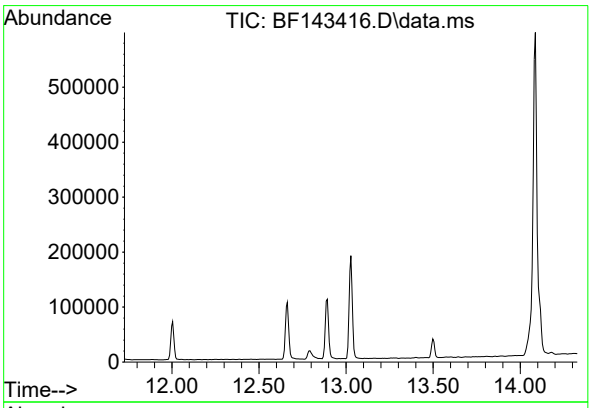
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 273482

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.4
236	24.8	20.2	30.2



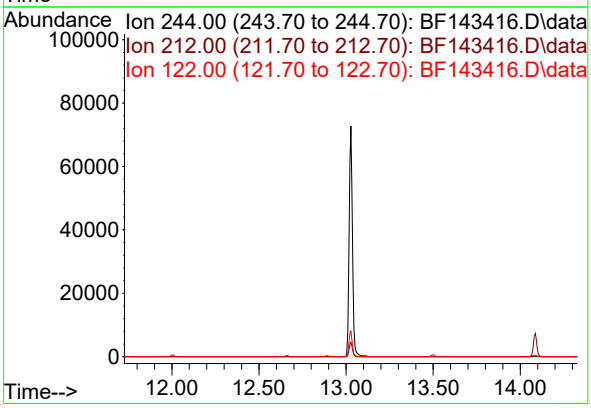


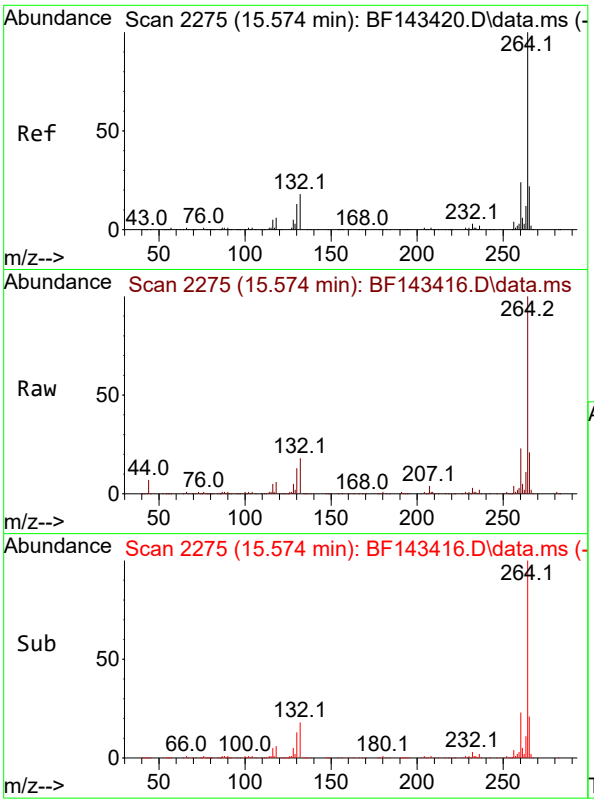
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.03 min

Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.5
122	10.4



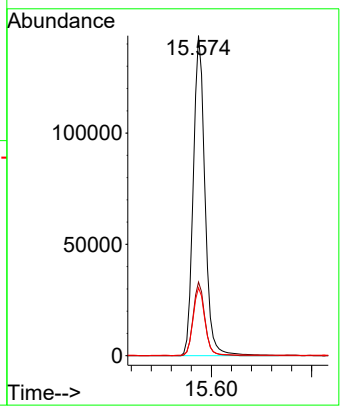


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 231757

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.8	28.2
265	21.2	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143417.D
Acq On : 15 Aug 2025 14:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 15 18:25:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	140697	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	547262	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	310490	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	510641	20.000	ng	0.00
76) Chrysene-d12	14.086	240	299111	20.000	ng	0.00
86) Perylene-d12	15.574	264	252550	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	83844	10.359	ng	0.00
7) Phenol-d6	6.551	99	110675	10.850	ng	0.00
23) Nitrobenzene-d5	7.481	82	95780	10.385	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	28555	10.333	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	224285	12.150	ng	0.00
79) Terphenyl-d14	13.027	244	211547	11.881	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	19576	5.025	ng	97
3) Pyridine	3.540	79	47684	4.667	ng	94
6) Aniline	6.587	93	72592	5.242	ng	96
8) 2-Chlorophenol	6.716	128	46500	5.204	ng	98
10) Phenol	6.569	94	62795	5.276	ng	92
11) bis(2-Chloroethyl)ether	6.651	93	46627	5.285	ng	99
12) 1,3-Dichlorobenzene	6.869	146	55041	5.499	ng	97
13) 1,4-Dichlorobenzene	6.945	146	54237	5.427	ng	99
14) 1,2-Dichlorobenzene	7.098	146	52181	5.467	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	84900	5.629	ng	98
17) 2-Methylphenol	7.175	107	38840	5.327	ng	99
18) Hexachloroethane	7.439	117	18063	5.310	ng	99
19) n-Nitroso-di-n-propyla...	7.322	70	34674	5.491	ng	97
22) Acetophenone	7.328	105	68582	5.829	ng	97
24) Nitrobenzene	7.498	77	49053	5.089	ng	98
25) Isophorone	7.739	82	94764	5.369	ng	100
26) 2-Nitrophenol	7.822	139	19259	4.310	ng	99
27) 2,4-Dimethylphenol	7.857	122	40460	5.355	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	60331	5.561	ng	100
29) 2,4-Dichlorophenol	8.069	162	39920	5.183	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	43443	5.505	ng	98
31) Naphthalene	8.228	128	145941	5.617	ng	100
33) 4-Chloroaniline	8.275	127	48574	5.179	ng	99
34) Hexachlorobutadiene	8.351	225	27343	5.434	ng	96
36) 4-Chloro-3-methylphenol	8.757	107	42152	5.314	ng	100
37) 2-Methylnaphthalene	8.922	142	100864	5.759	ng	97
38) 1-Methylnaphthalene	9.016	142	96256	5.737	ng	100
40) 1,2,4,5-Tetrachloroben...	9.086	216	47429	5.477	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	26801	4.962	ng	100
44) 2,4,5-Trichlorophenol	9.245	196	29354	5.070	ng	99
46) 1,1'-Biphenyl	9.381	154	121744	5.581	ng	99
47) 2-Chloronaphthalene	9.404	162	95062	5.520	ng	97
48) 2-Nitroaniline	9.498	65	24258	4.734	ng	95
49) Acenaphthylene	9.822	152	136971	5.509	ng	99
50) Dimethylphthalate	9.669	163	106442	5.499	ng	100
51) 2,6-Dinitrotoluene	9.733	165	17305	4.535	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143417.D
Acq On : 15 Aug 2025 14:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 15 18:25:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.992	154	93335	5.581	ng	99
53) 3-Nitroaniline	9.910	138	19743	4.645	ng	98
55) Dibenzofuran	10.163	168	136138	5.643	ng	99
57) 2,4-Dinitrotoluene	10.139	165	22724	4.467	ng	92
58) Fluorene	10.510	166	109812	5.925	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	20210	4.611	ng	97
60) Diethylphthalate	10.369	149	101540	5.676	ng	100
61) 4-Chlorophenyl-phenyle...	10.498	204	51941	5.669	ng	98
62) 4-Nitroaniline	10.516	138	18371	4.621	ng	93
63) Azobenzene	10.657	77	100999	5.586	ng	99
66) n-Nitrosodiphenylamine	10.610	169	90311	5.439	ng	99
67) 4-Bromophenyl-phenylether	10.986	248	31653	5.249	ng	94
68) Hexachlorobenzene	11.057	284	35216	5.494	ng	95
69) Atrazine	11.133	200	24051	4.952	ng	99
71) Phenanthrene	11.469	178	157990	5.713	ng	99
72) Anthracene	11.522	178	157773	5.649	ng	99
73) Carbazole	11.674	167	133302	5.643	ng	99
74) Di-n-butylphthalate	12.004	149	123223	5.238	ng	100
75) Fluoranthene	12.657	202	144049	5.863	ng	99
78) Pyrene	12.886	202	146451	5.633	ng	99
80) Butylbenzylphthalate	13.498	149	26359	4.093	ng	99
81) Benzo(a)anthracene	14.074	228	98096	5.151	ng	98
83) Chrysene	14.110	228	92720	5.267	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	37419	4.092	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	98443	5.198	ng	98
88) Benzo(b)fluoranthene	15.133	252	72392	5.348	ng	99
89) Benzo(k)fluoranthene	15.162	252	68462	5.128	ng	99
90) Benzo(a)pyrene	15.510	252	63426	4.920	ng	98
91) Dibenzo(a,h)anthracene	17.098	278	77441	5.092	ng	97
92) Benzo(g,h,i)perylene	17.545	276	78027	5.136	ng	99

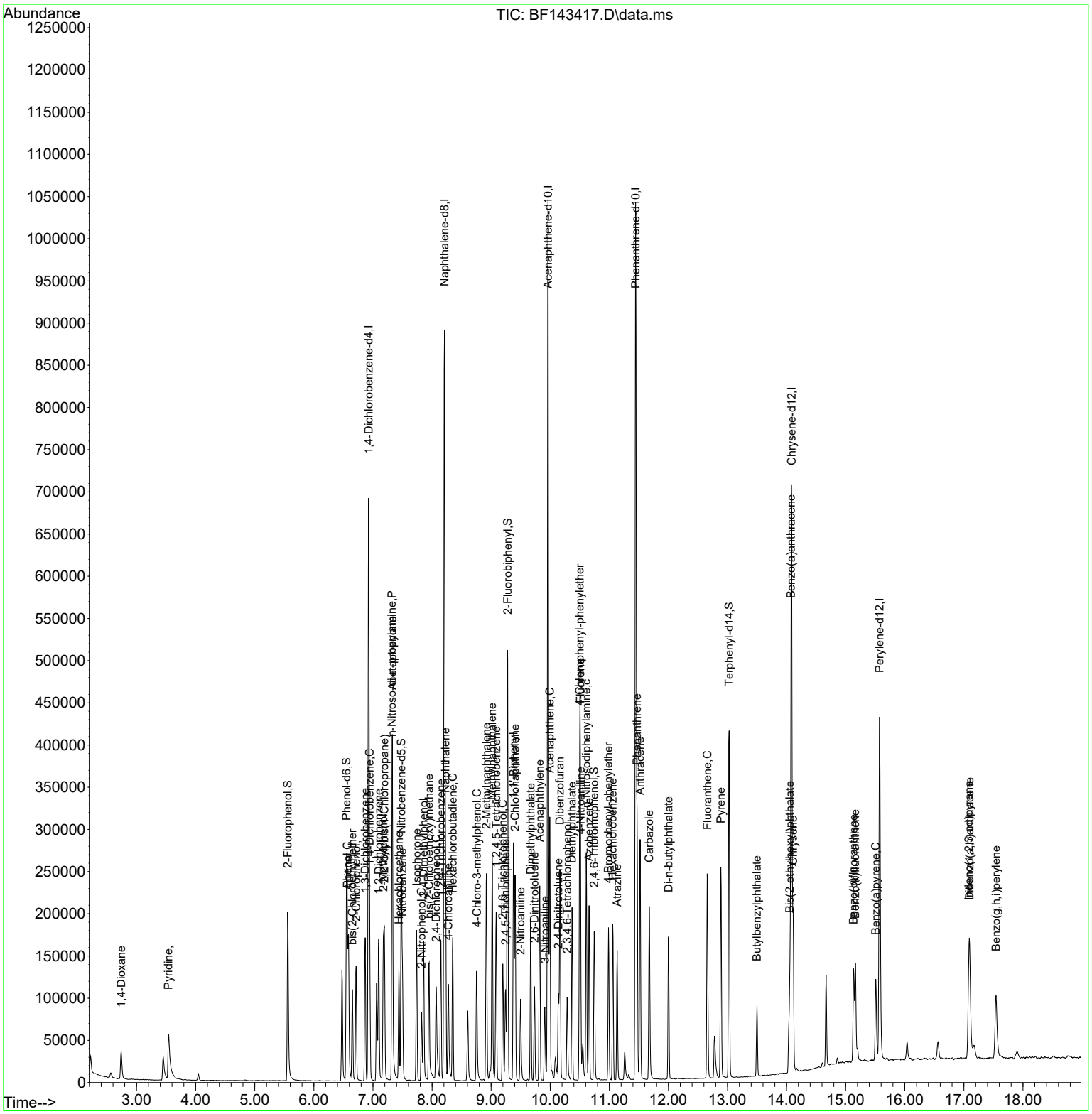
(#) = qualifier out of range (m) = manual integration (+) = signals summed

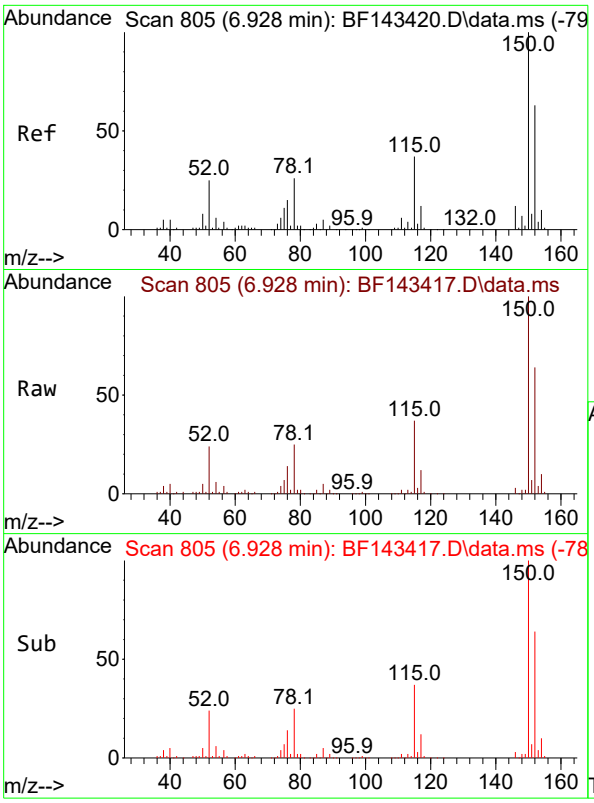
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143417.D
Acq On : 15 Aug 2025 14:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 15 18:25:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



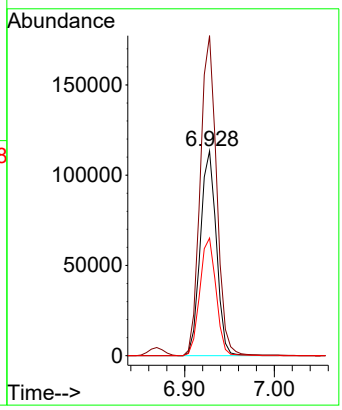


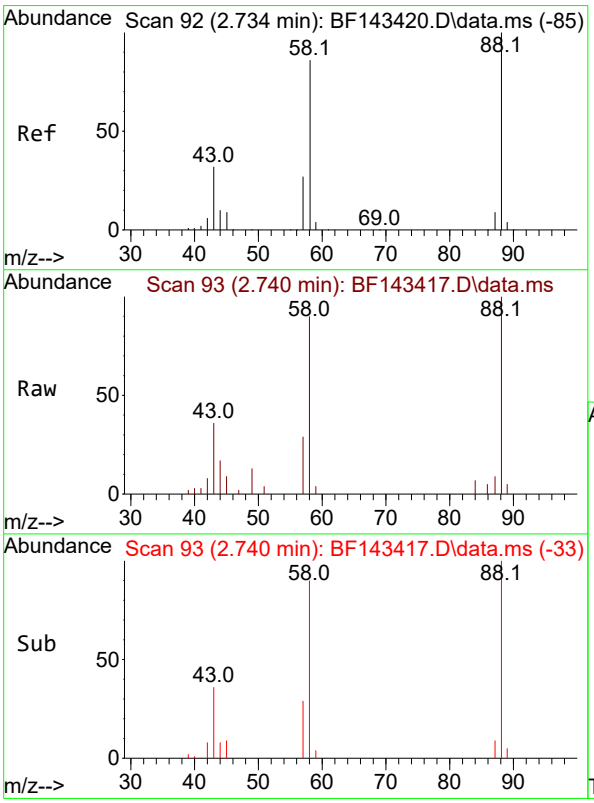
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 140697

Ion	Ratio	Lower	Upper
152	100		
150	156.4	127.4	191.2
115	57.5	47.5	71.3

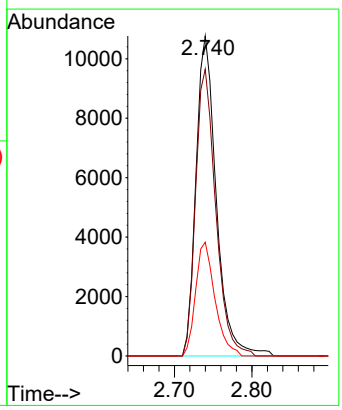


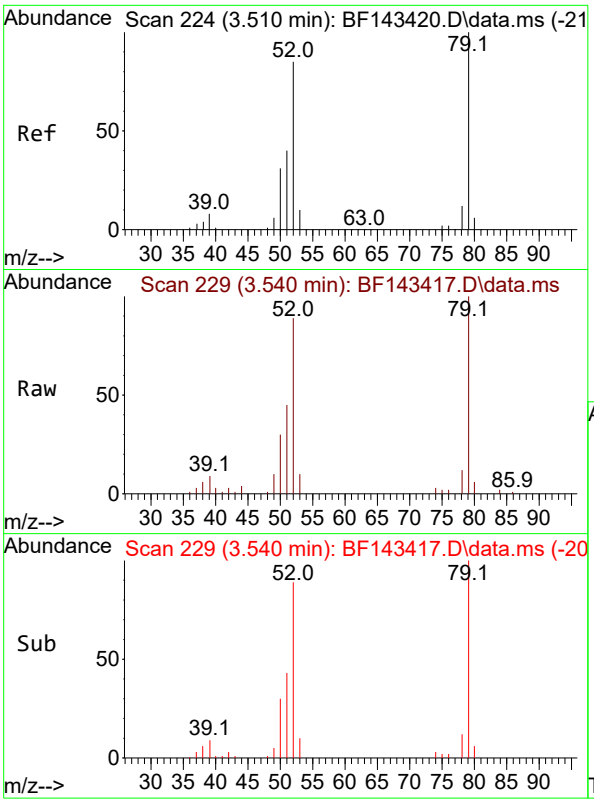


#2
1,4-Dioxane
Concen: 5.025 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 88 Resp: 19576

Ion	Ratio	Lower	Upper
88	100		
58	88.7	68.7	103.1
43	33.9	26.1	39.1



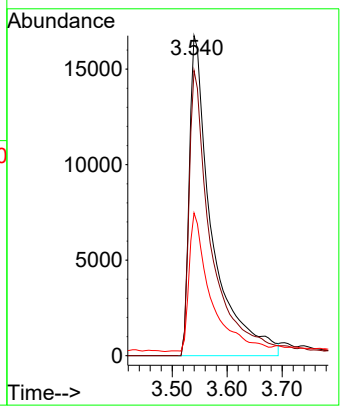


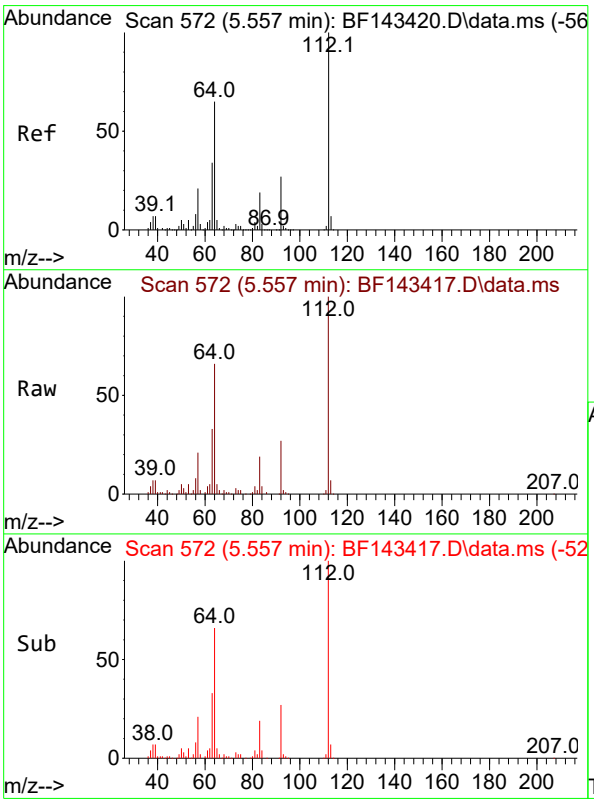
#3
Pyridine
Concen: 4.667 ng
RT: 3.540 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 47684

Ion	Ratio	Lower	Upper
79	100		
52	89.1	67.7	101.5
51	44.6	32.3	48.5

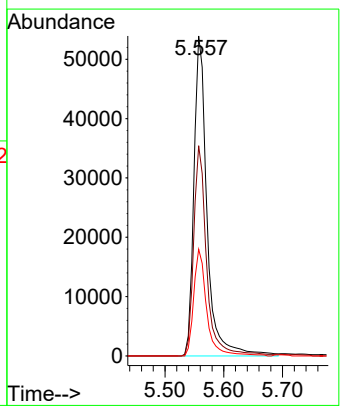


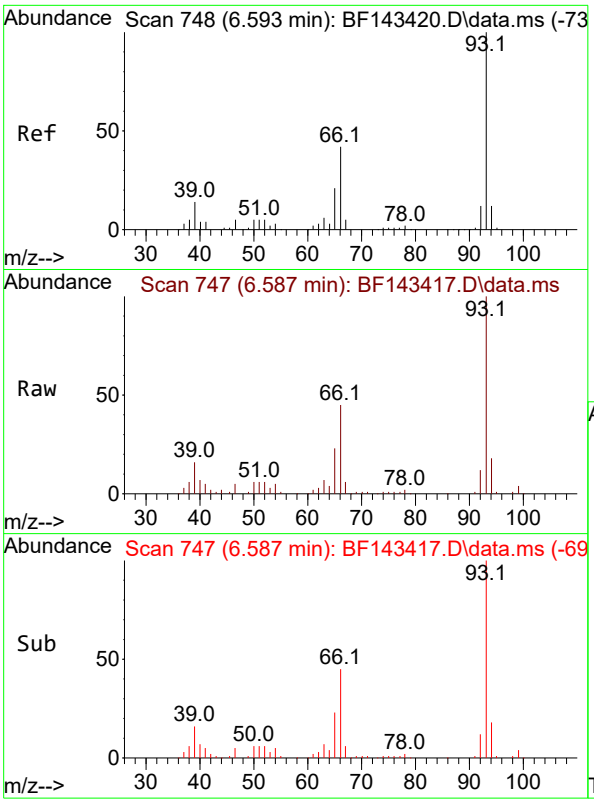


#5
2-Fluorophenol
Concen: 10.359 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:112 Resp: 83844

Ion	Ratio	Lower	Upper
112	100		
64	65.7	52.2	78.2
63	33.4	27.0	40.6



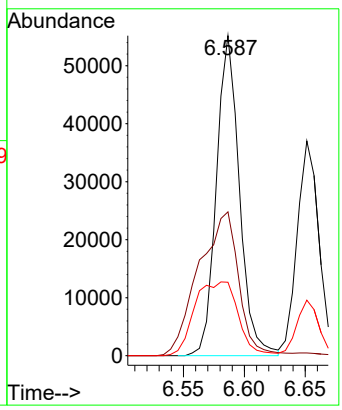


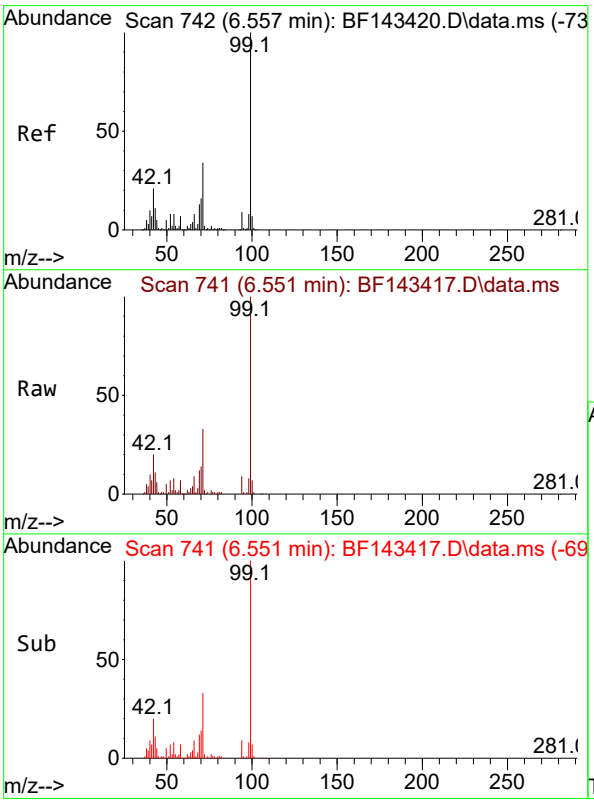
#6
Aniline
Concen: 5.242 ng
RT: 6.587 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 72592

Ion	Ratio	Lower	Upper
93	100		
66	44.9	33.8	50.8
65	22.9	17.2	25.8

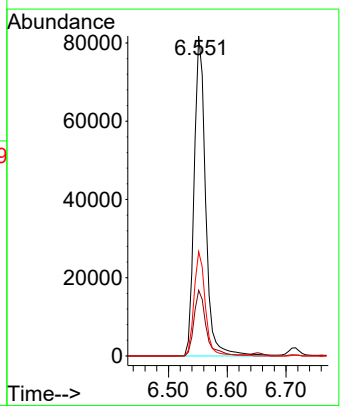


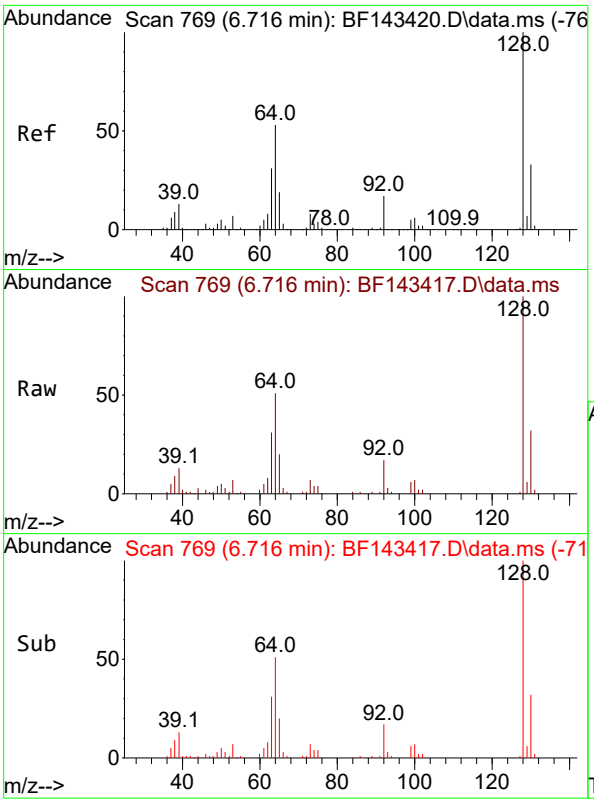


#7
Phenol-d6
Concen: 10.850 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 99 Resp: 110675

Ion	Ratio	Lower	Upper
99	100		
42	20.5	17.0	25.6
71	32.6	27.4	41.2



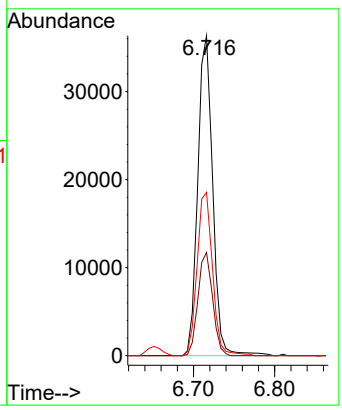


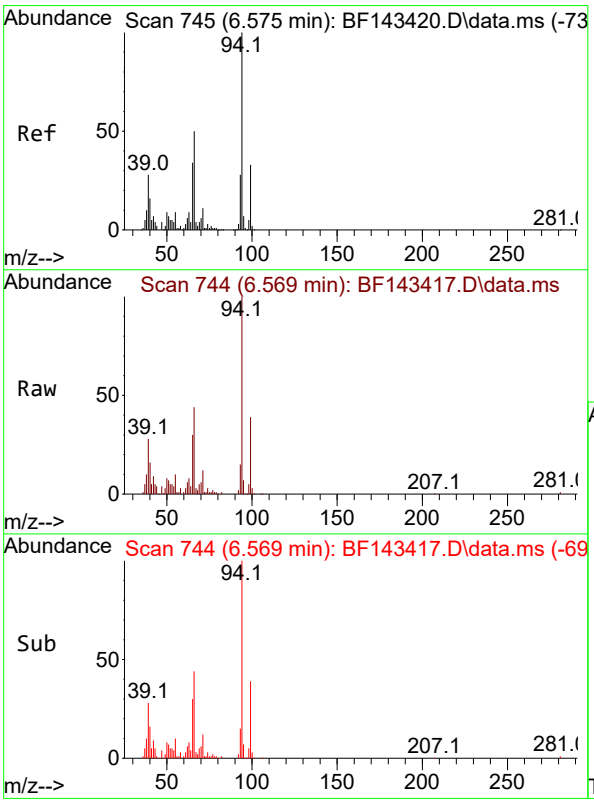
#8
2-Chlorophenol
Concen: 5.204 ng
RT: 6.716 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 46500

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	51.0	33.1	73.1

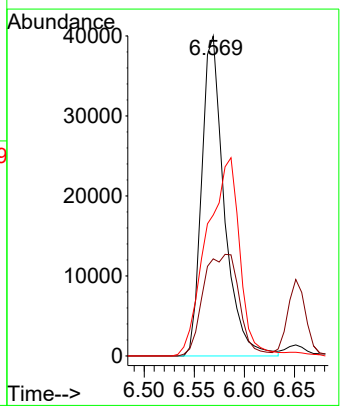


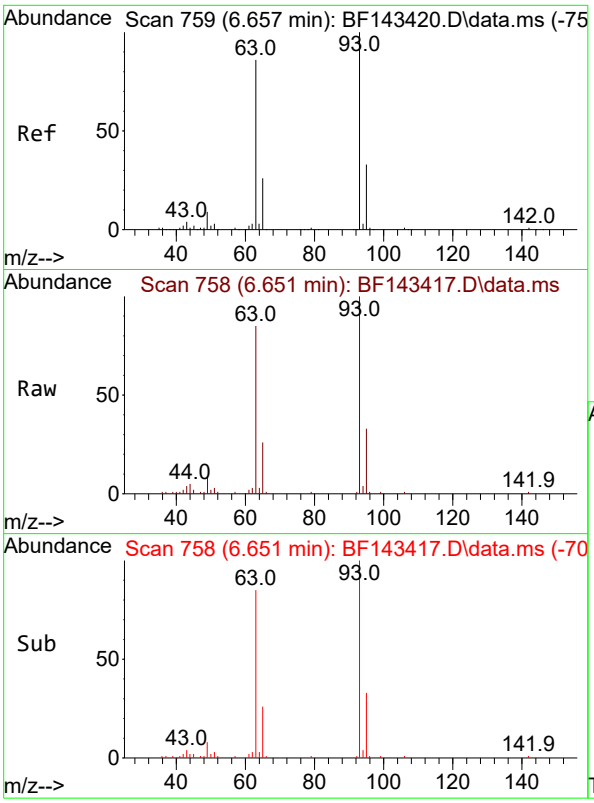


#10
Phenol
Concen: 5.276 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 94 Resp: 62795

Ion	Ratio	Lower	Upper
94	100		
65	30.4	13.7	53.7
66	44.0	30.3	70.3



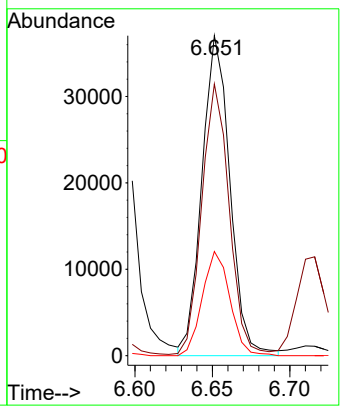


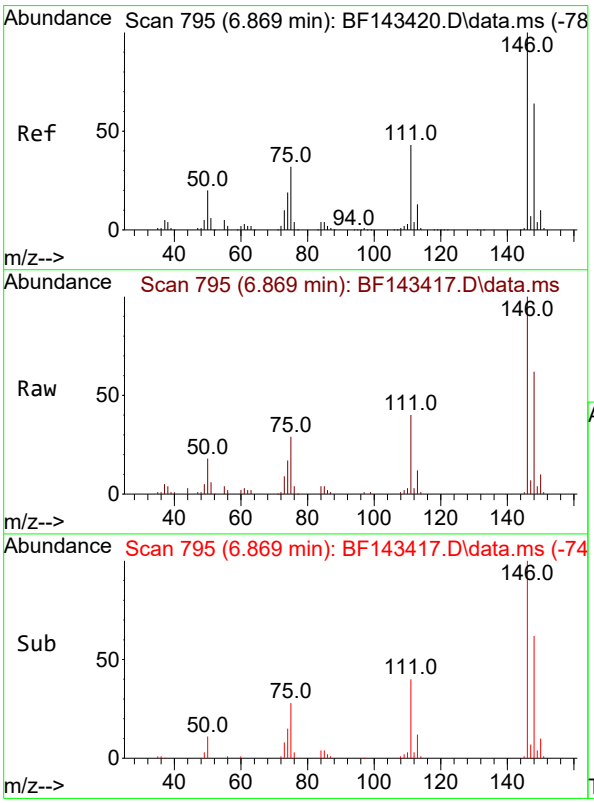
#11
bis(2-Chloroethyl)ether
Concen: 5.285 ng
RT: 6.651 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 46627

Ion	Ratio	Lower	Upper
93	100		
63	84.9	65.4	105.4
95	32.5	12.8	52.8

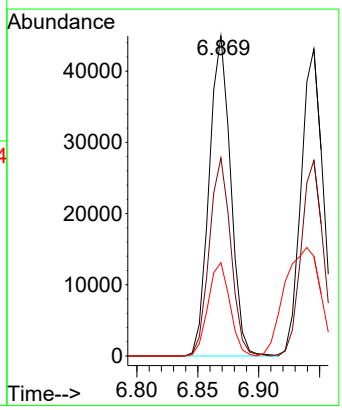


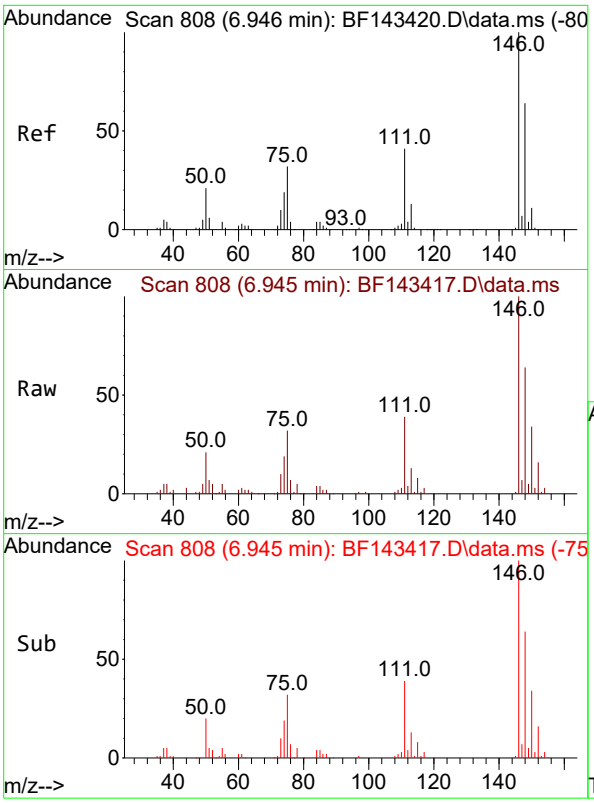


#12
1,3-Dichlorobenzene
Concen: 5.499 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:146 Resp: 55041

Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.0	76.4
75	29.1	25.3	37.9



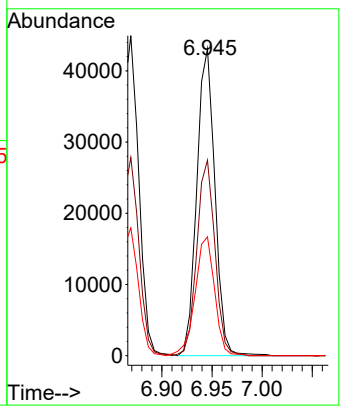


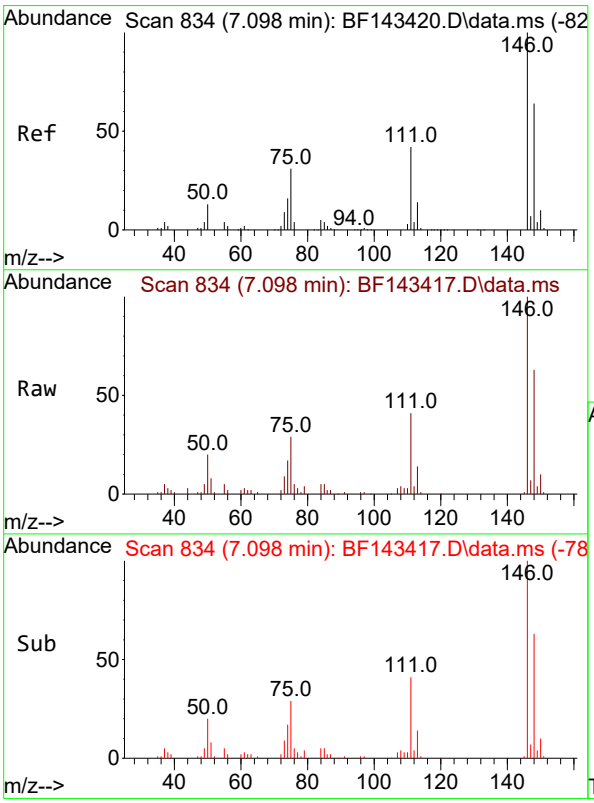
#13
1,4-Dichlorobenzene
Concen: 5.427 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 54237

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.1	76.7
111	38.7	32.5	48.7

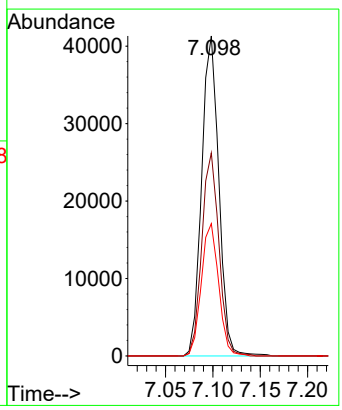


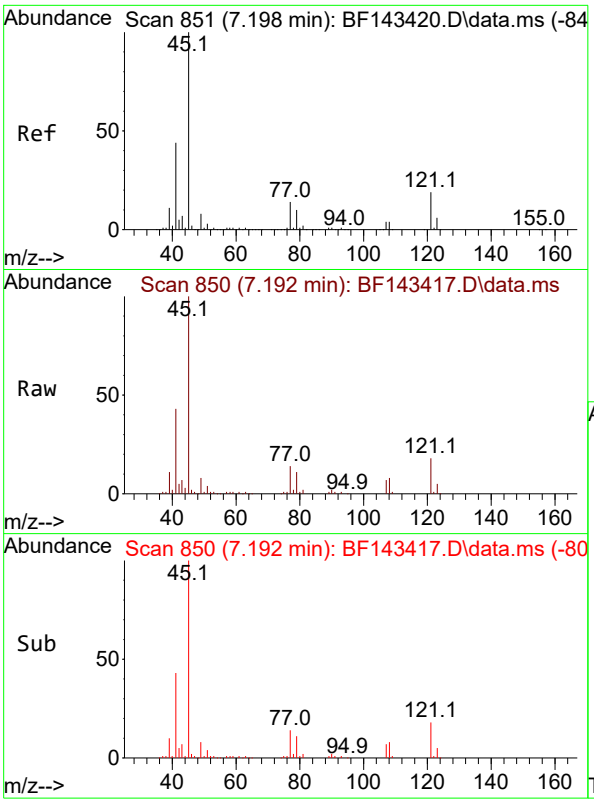


#14
1,2-Dichlorobenzene
Concen: 5.467 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:146 Resp: 52181

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.0
111	41.3	33.9	50.9



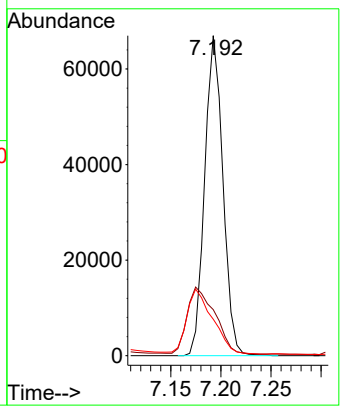


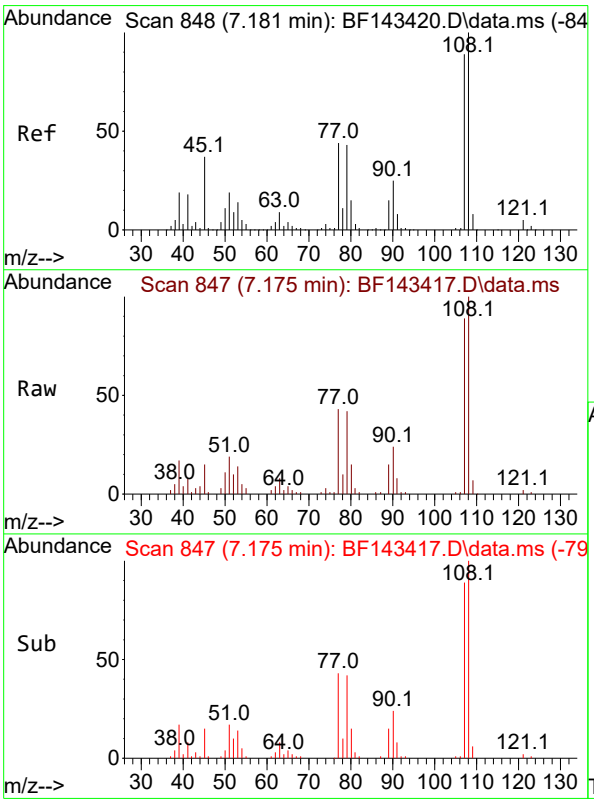
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.629 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 84900

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	33.9
79	11.4	0.0	30.7

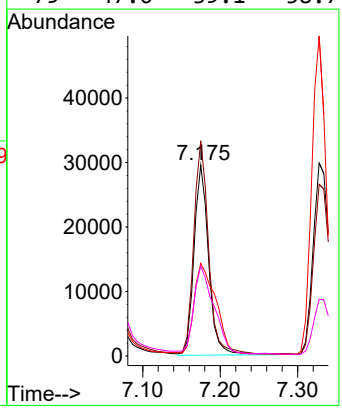


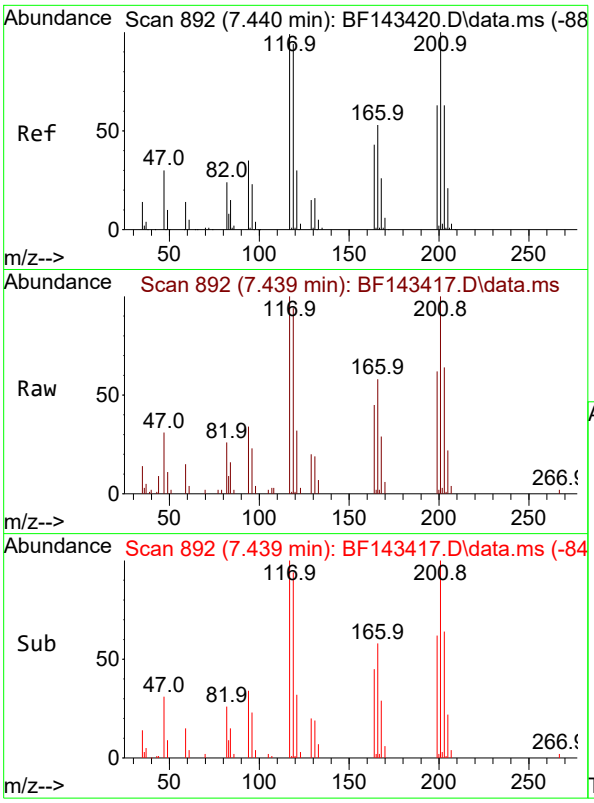


#17
2-Methylphenol
Concen: 5.327 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:107 Resp: 38840

Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.1	135.1
77	48.5	39.9	59.9
79	47.0	39.1	58.7



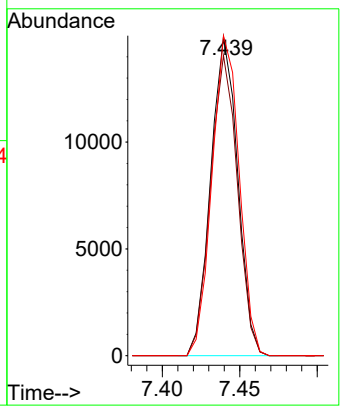


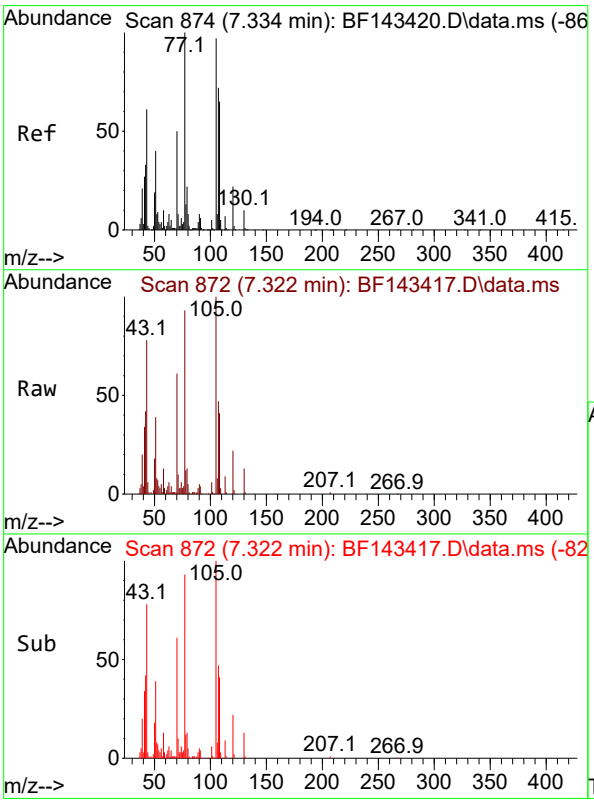
#18
Hexachloroethane
Concen: 5.310 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 18063

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.6	114.8
201	100.3	81.0	121.4

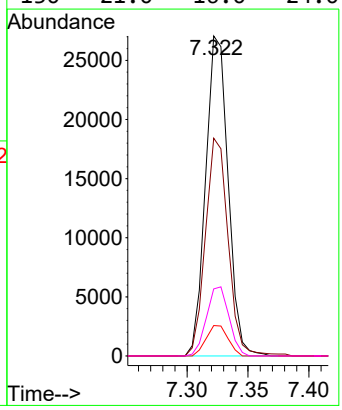


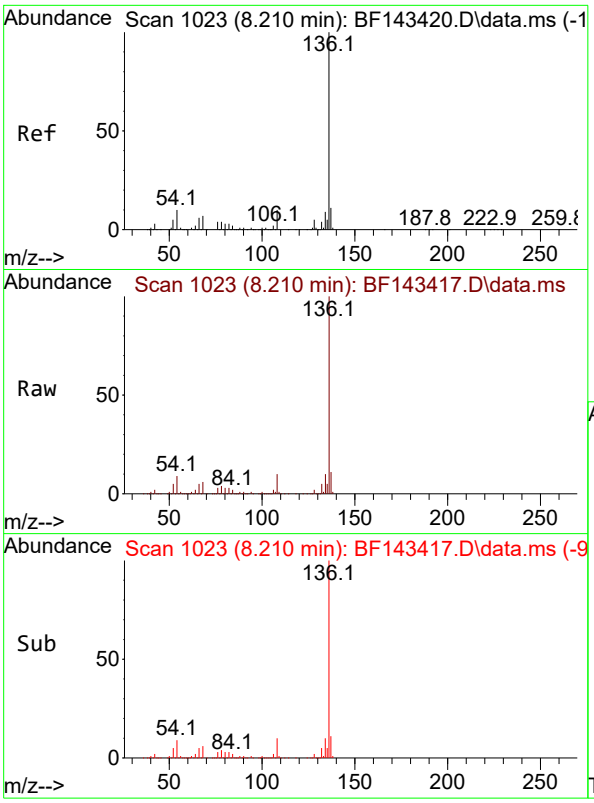


#19
n-Nitroso-di-n-propylamine
Concen: 5.491 ng
RT: 7.322 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 70 Resp: 34674

Ion	Ratio	Lower	Upper
70	100		
42	68.0	52.5	78.7
101	9.5	7.9	11.9
130	21.0	16.0	24.0



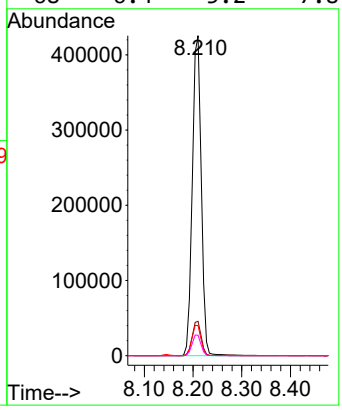


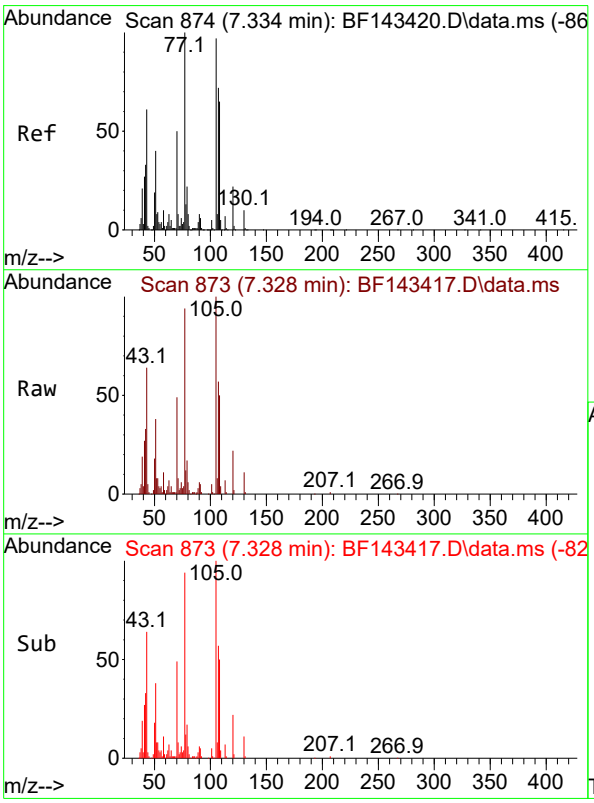
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 547262

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.4	7.8	11.8
68	6.4	5.2	7.8

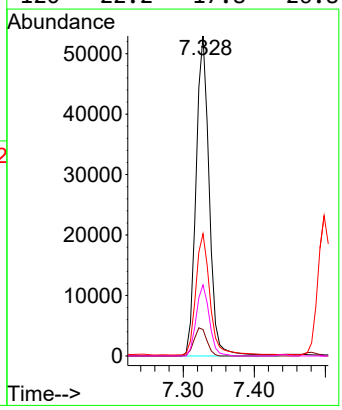


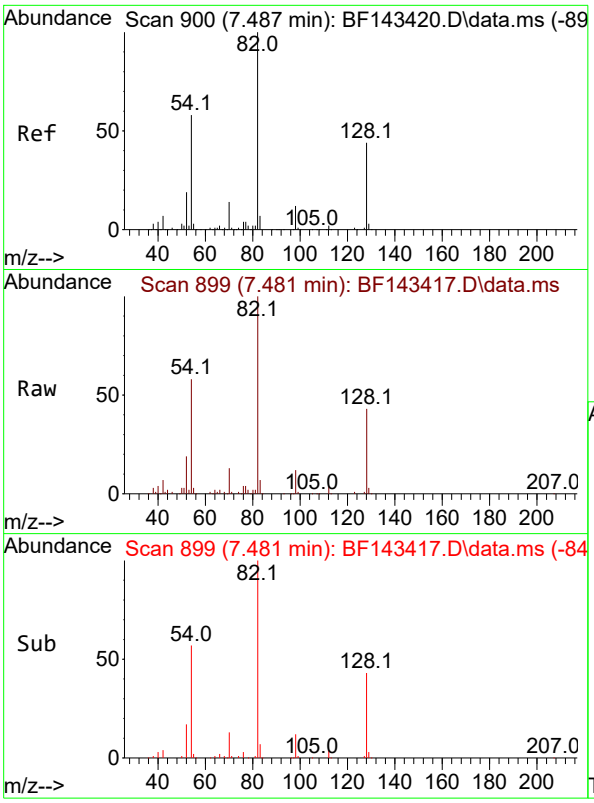


#22
Acetophenone
Concen: 5.829 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:105 Resp: 68582

Ion	Ratio	Lower	Upper
105	100		
71	8.2	7.0	10.4
51	38.2	32.7	49.1
120	22.2	17.8	26.8



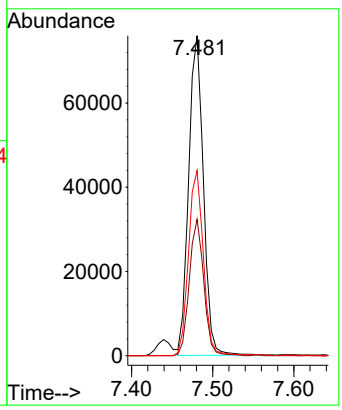


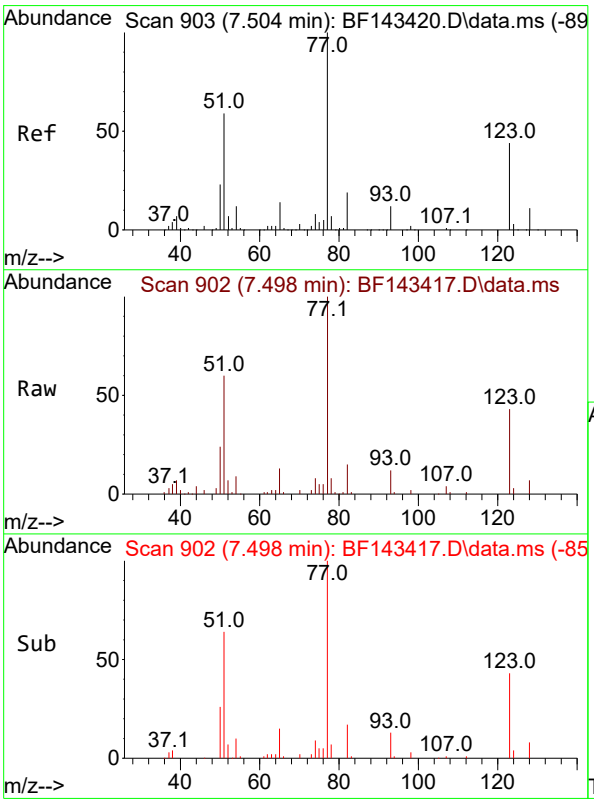
#23
Nitrobenzene-d5
Concen: 10.385 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 95780

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.6	52.0
54	57.9	46.0	69.0

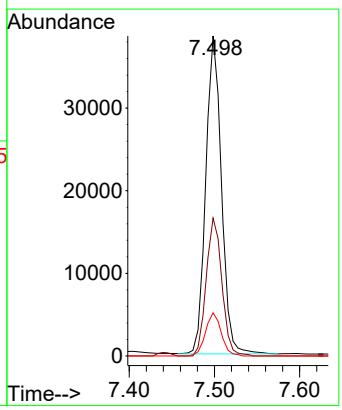


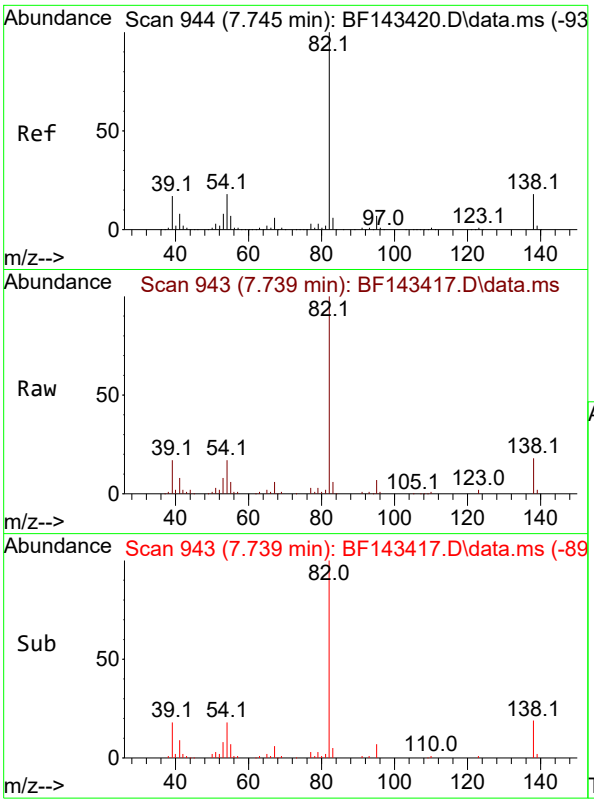


#24
Nitrobenzene
Concen: 5.089 ng
RT: 7.498 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 77 Resp: 49053

Ion	Ratio	Lower	Upper
77	100		
123	43.1	35.4	53.0
65	13.5	11.2	16.8



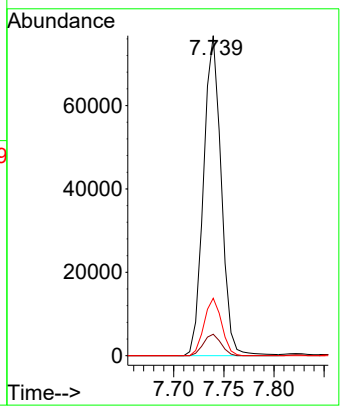


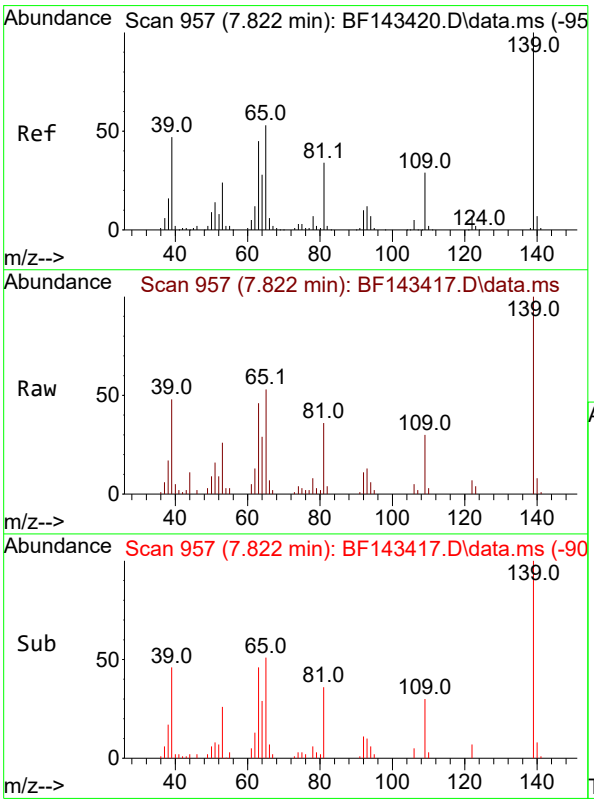
#25
Isophorone
Concen: 5.369 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 94764

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.6	8.4
138	18.0	14.3	21.5

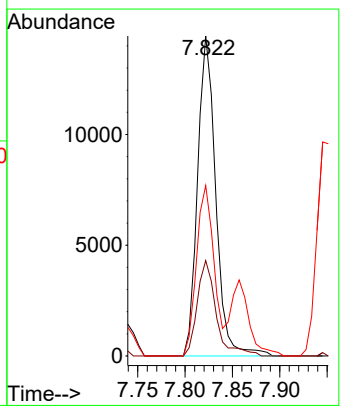


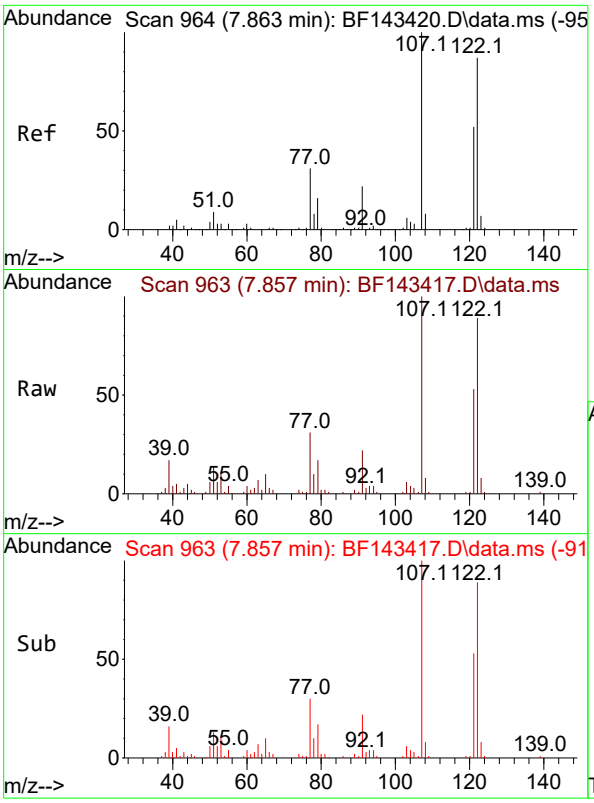


#26
2-Nitrophenol
Concen: 4.310 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:139 Resp: 19259

Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.0	34.4
65	53.2	42.5	63.7



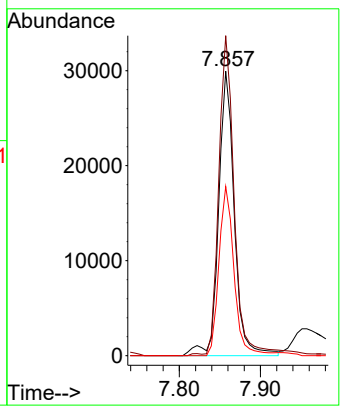


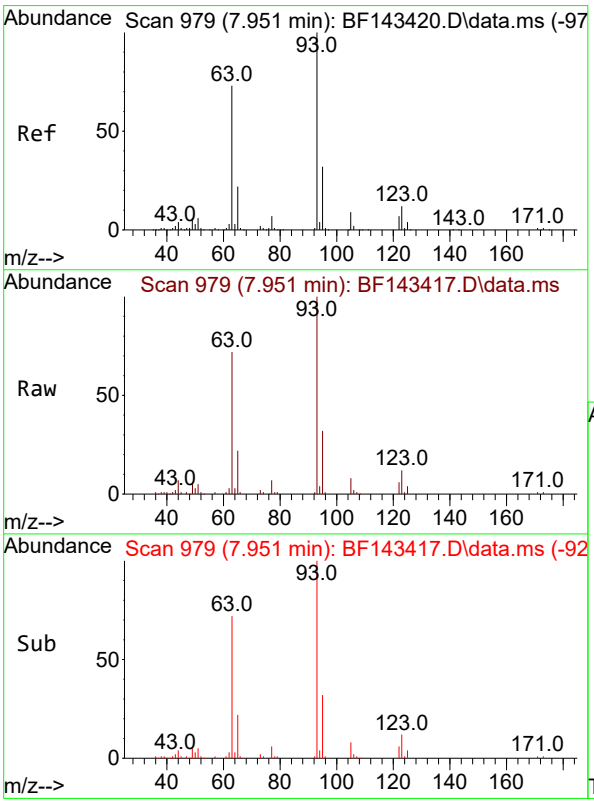
#27
2,4-Dimethylphenol
Concen: 5.355 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 40460

Ion	Ratio	Lower	Upper
122	100		
107	112.5	90.4	135.6
121	59.5	46.7	70.1

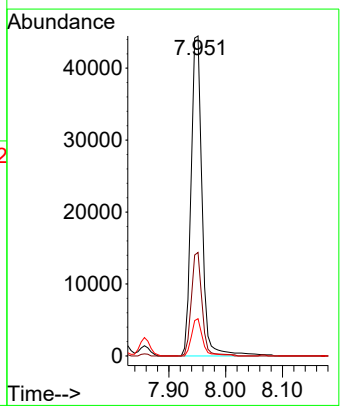


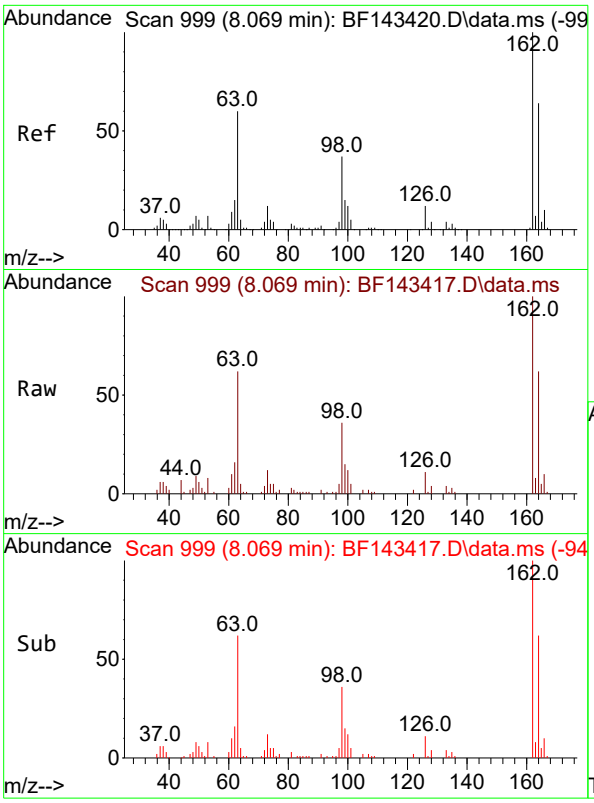


#28
bis(2-Chloroethoxy)methane
Concen: 5.561 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 93 Resp: 60331

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.7	9.5	14.3



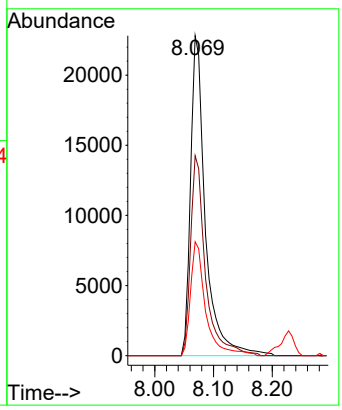


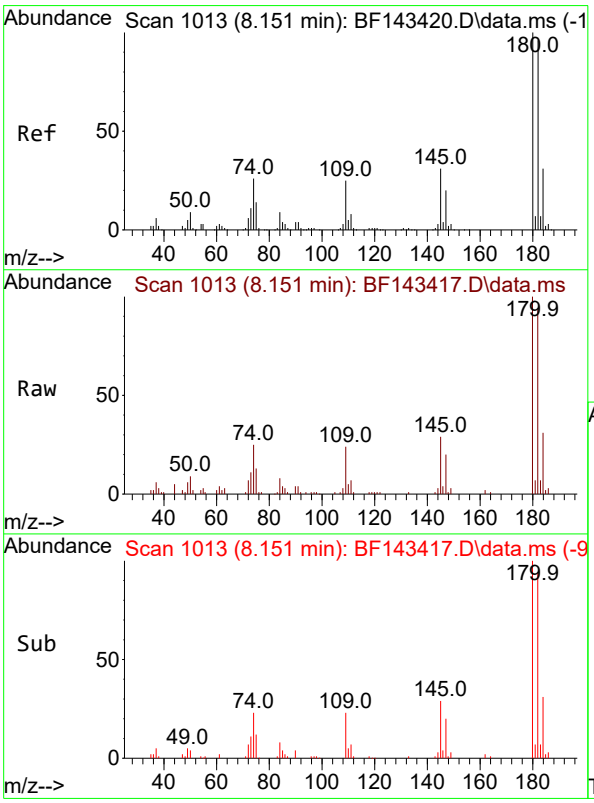
#29
2,4-Dichlorophenol
Concen: 5.183 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 39920

Ion	Ratio	Lower	Upper
162	100		
164	62.5	44.3	84.3
98	35.6	16.9	56.9

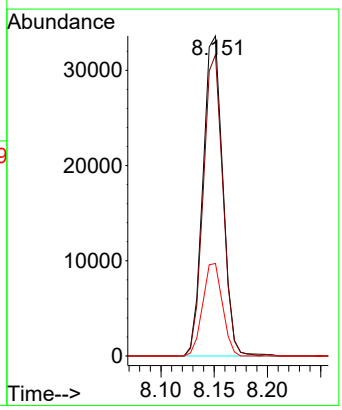


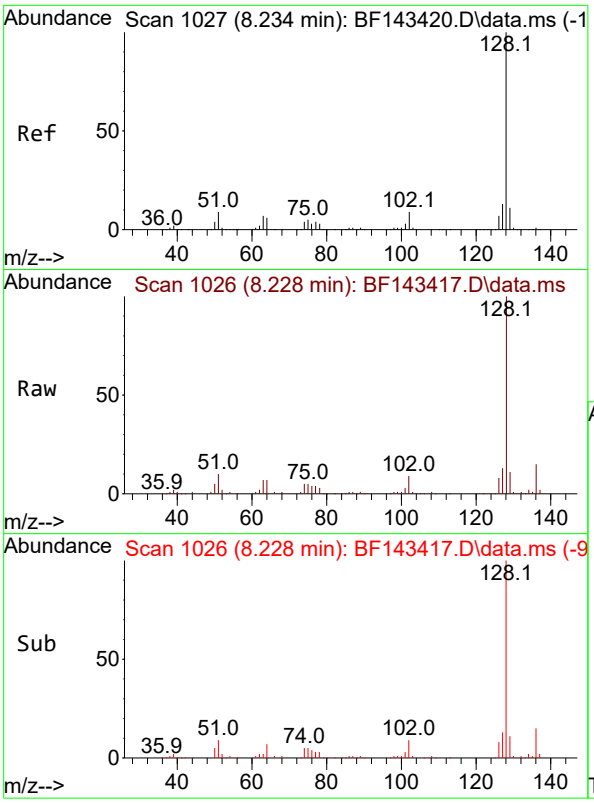


#30
1,2,4-Trichlorobenzene
Concen: 5.505 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:180 Resp: 43443

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.7	115.1
145	28.9	24.5	36.7



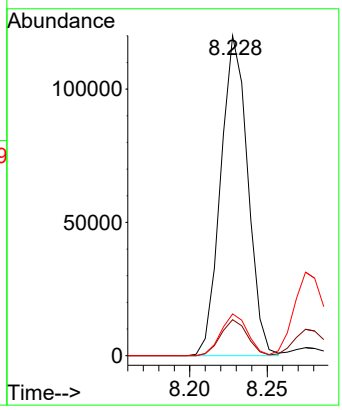


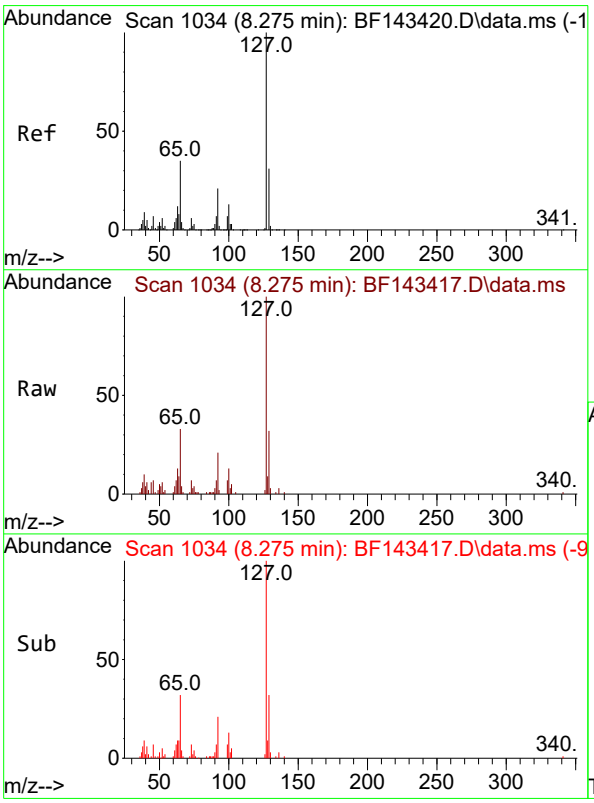
#31
Naphthalene
Concen: 5.617 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 145941

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.1	10.6	16.0

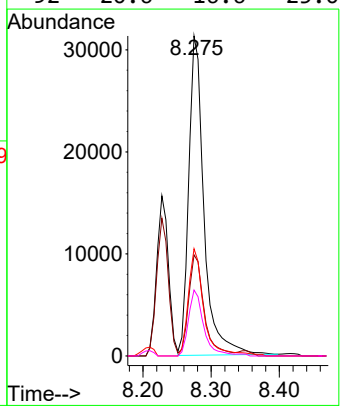


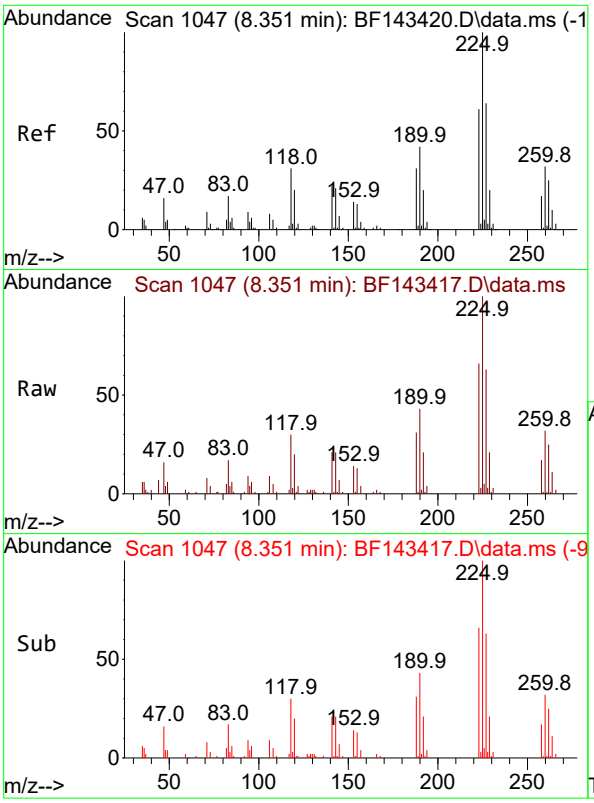


#33
4-Chloroaniline
Concen: 5.179 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:127 Resp: 48574

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.8	38.8
65	33.5	27.2	40.8
92	20.6	16.6	25.0



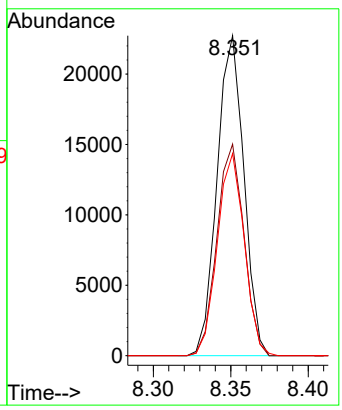


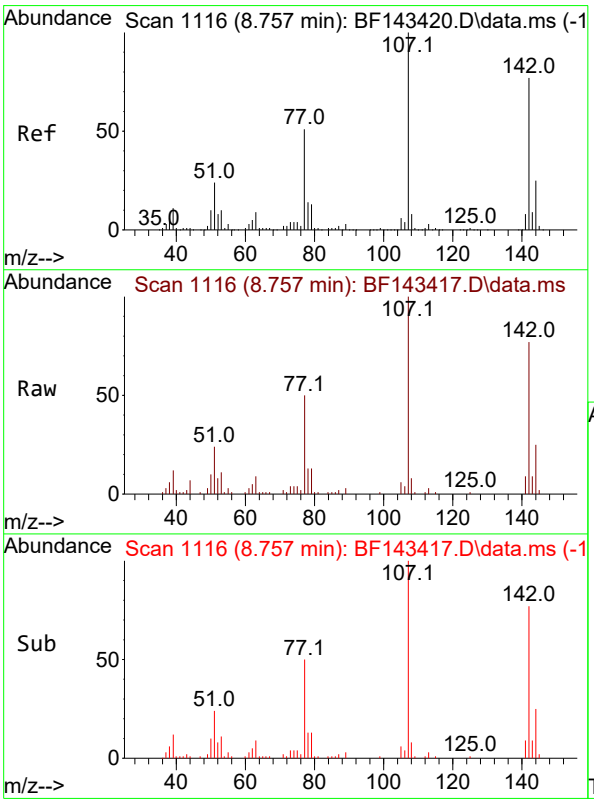
#34
Hexachlorobutadiene
Concen: 5.434 ng
RT: 8.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 27343

Ion	Ratio	Lower	Upper
225	100		
223	66.1	49.0	73.6
227	63.2	51.1	76.7

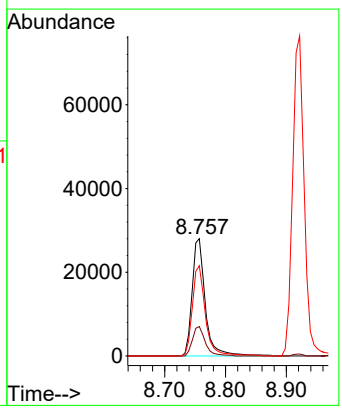


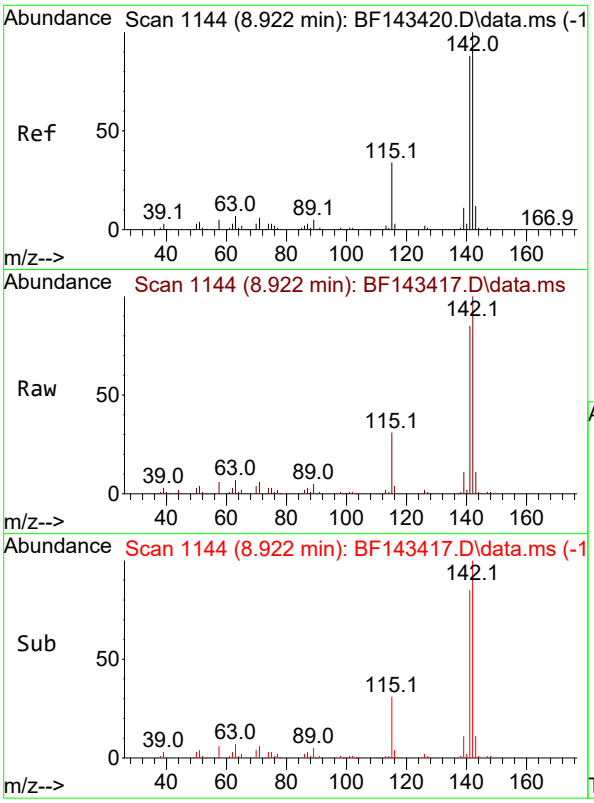


#36
4-Chloro-3-methylphenol
Concen: 5.314 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:107 Resp: 42152

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.2	30.2
142	77.0	62.0	93.0



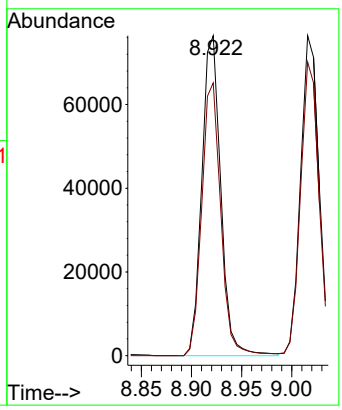


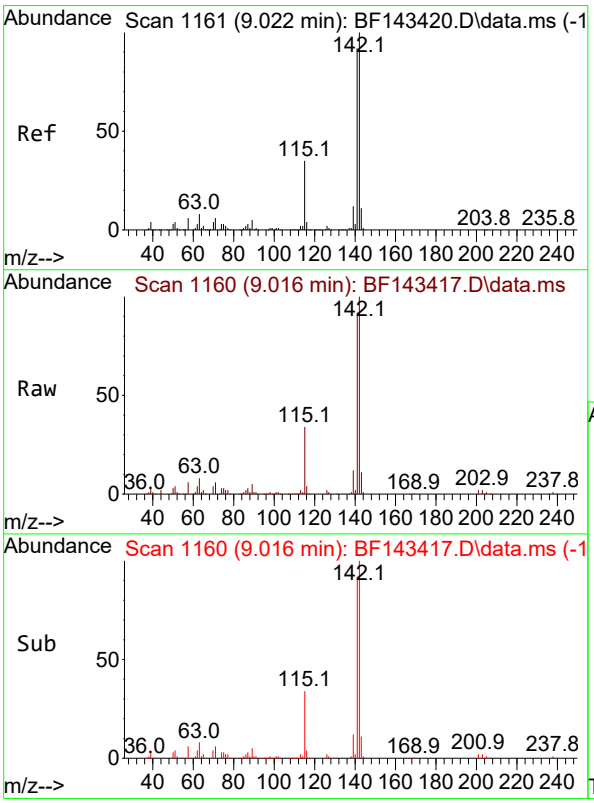
#37
2-Methylnaphthalene
Concen: 5.759 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 100864

Ion	Ratio	Lower	Upper
142	100		
141	85.3	70.3	105.5

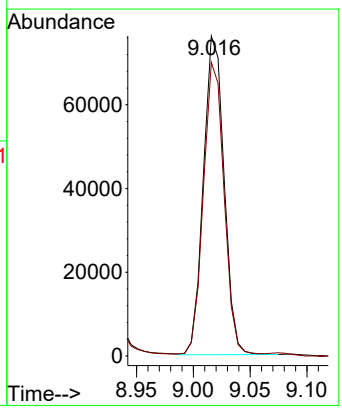


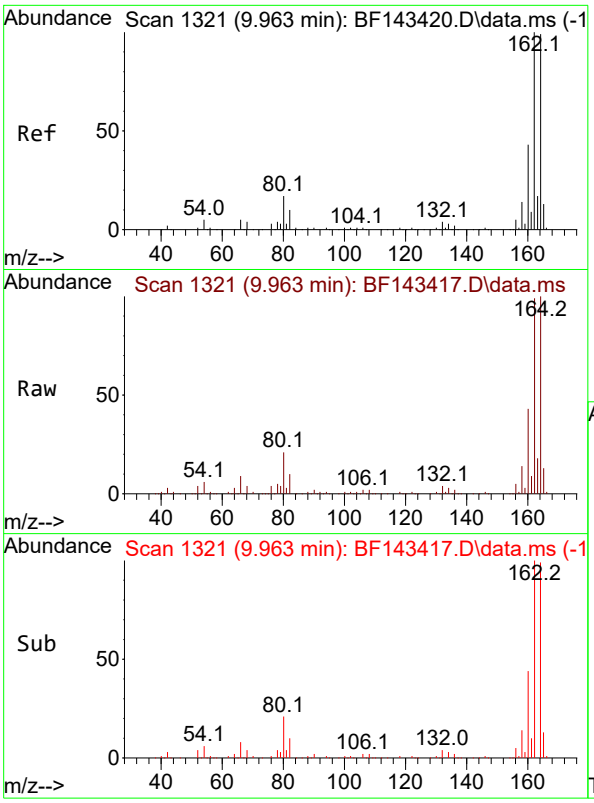


#38
1-Methylnaphthalene
Concen: 5.737 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:142 Resp: 96256

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.8	110.6



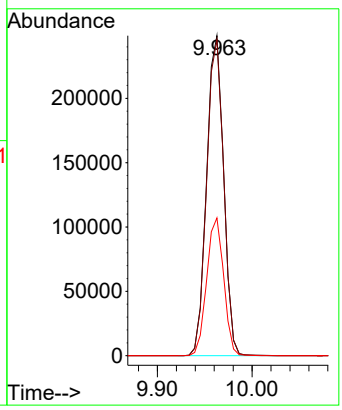


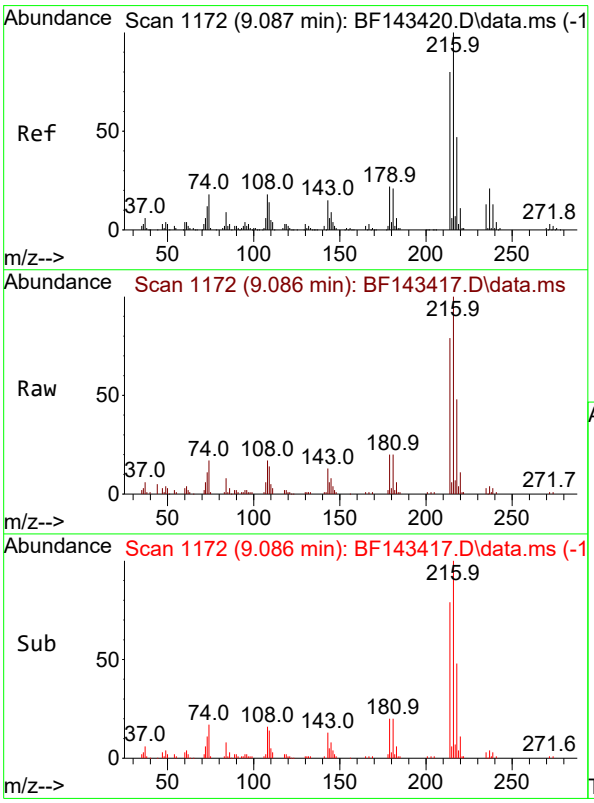
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 310490

Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.6	121.0
160	43.0	34.6	51.8

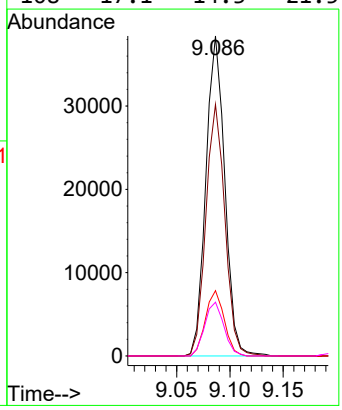


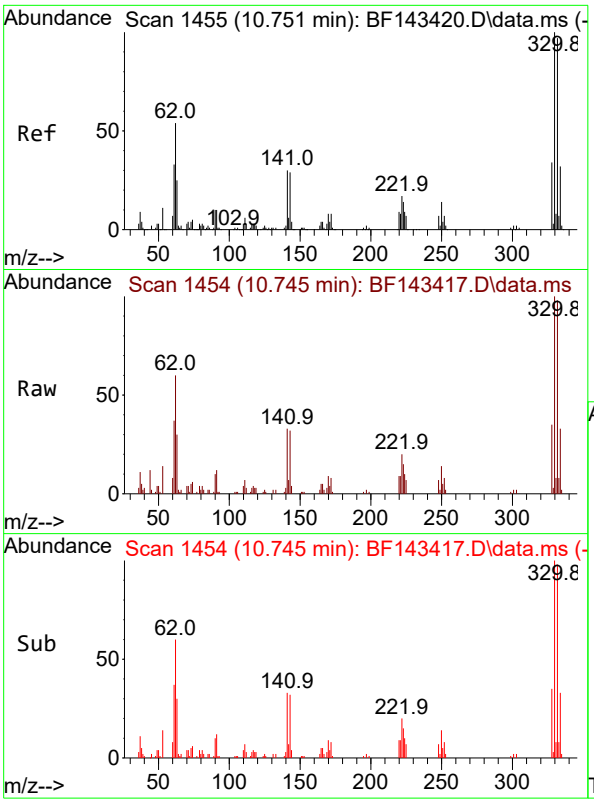


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.477 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:216 Resp: 47429

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.7	95.5
179	20.3	17.0	25.4
108	17.1	14.3	21.5



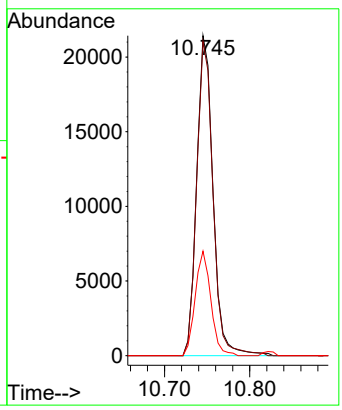


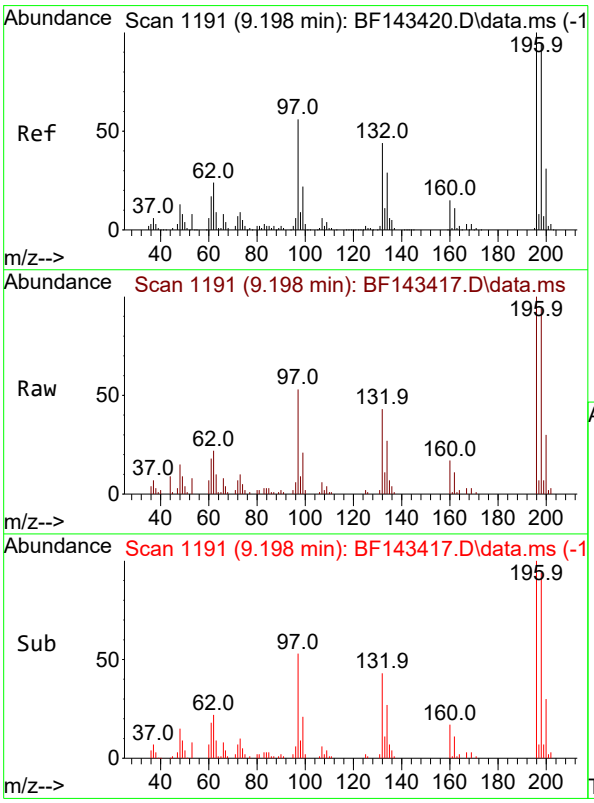
#42
2,4,6-Tribromophenol
Concen: 10.333 ng
RT: 10.745 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 28555

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.4	116.2
141	31.3	24.1	36.1

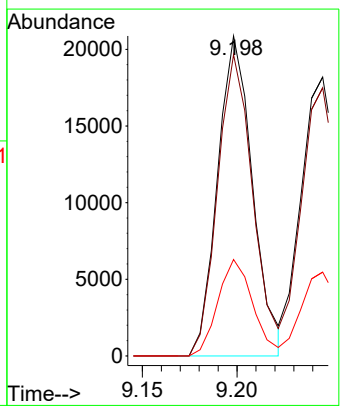


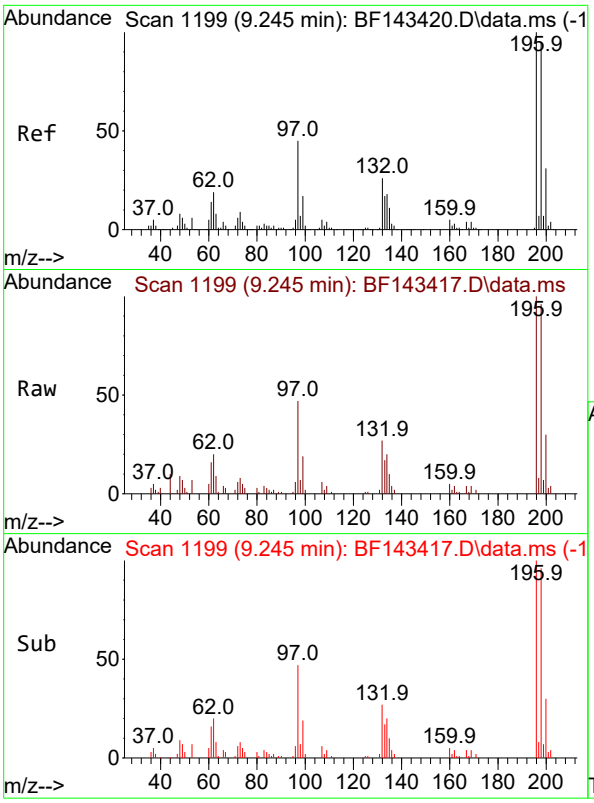


#43
2,4,6-Trichlorophenol
Concen: 4.962 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:196 Resp: 26801

Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.4	113.2
200	30.1	24.7	37.1



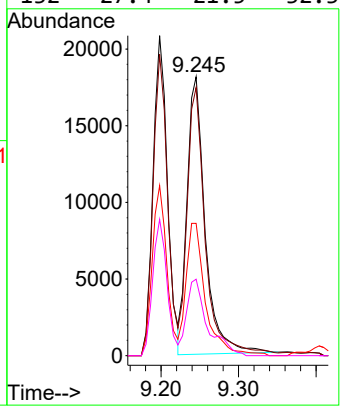


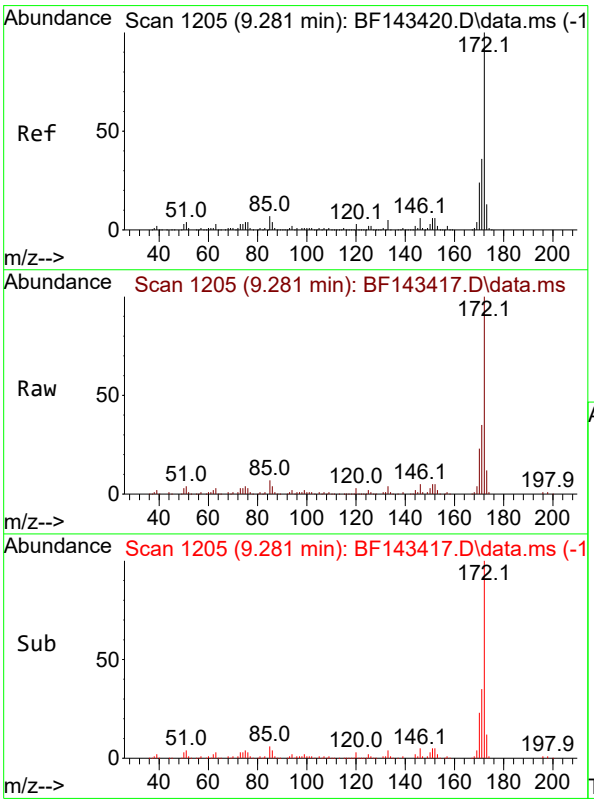
#44
2,4,5-Trichlorophenol
Concen: 5.070 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 29354

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.2	114.4
97	47.5	36.6	55.0
132	27.4	21.5	32.3

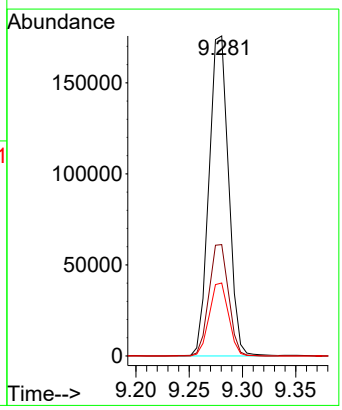


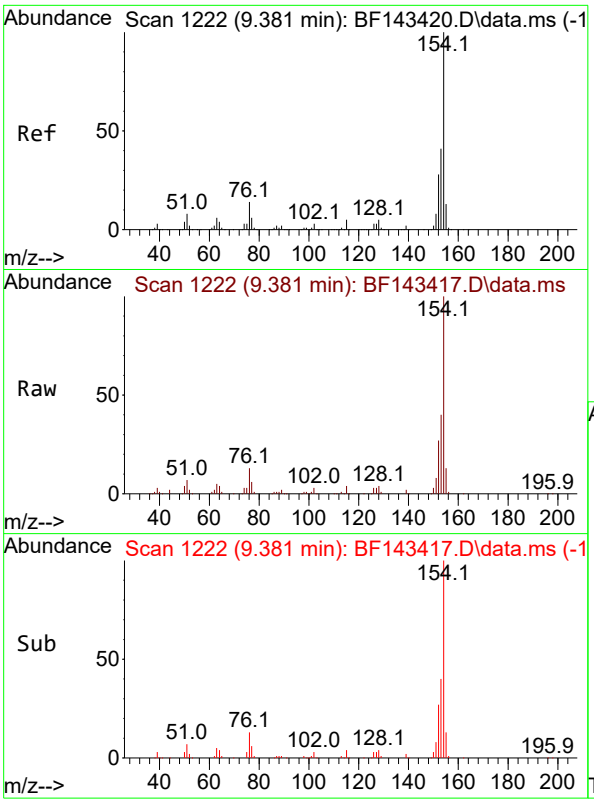


#45
2-Fluorobiphenyl
Concen: 12.150 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:172 Resp: 224285

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	22.8	19.0	28.6



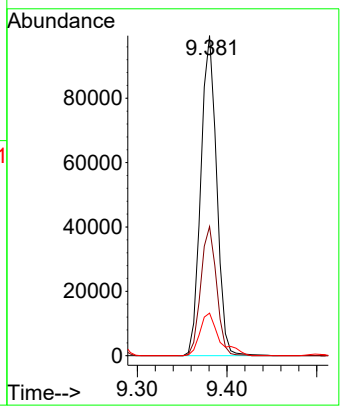


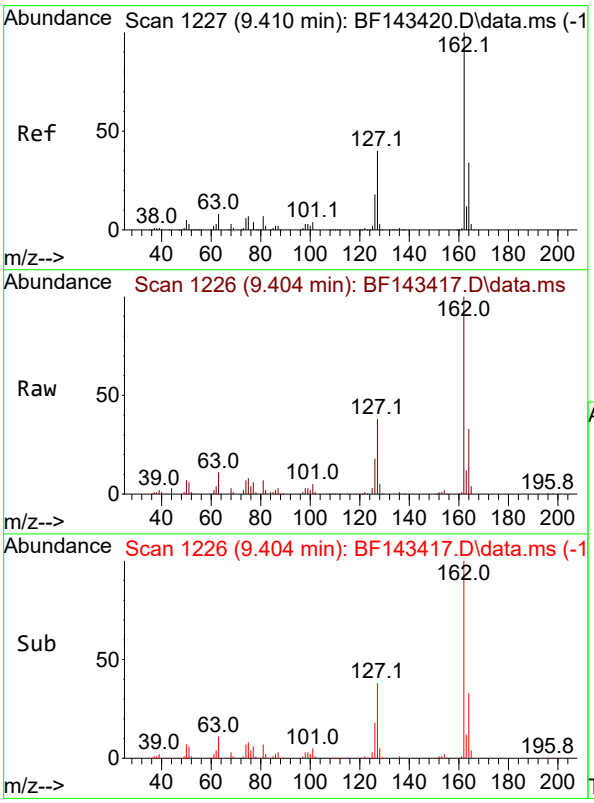
#46
1,1'-Biphenyl
Concen: 5.581 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 121744

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.6	60.6
76	13.3	0.0	33.8

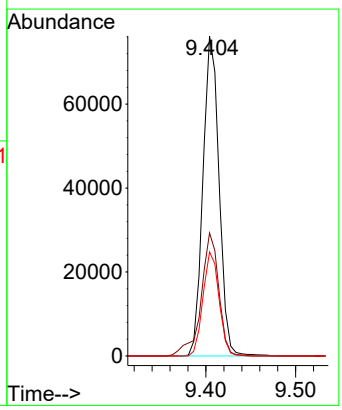


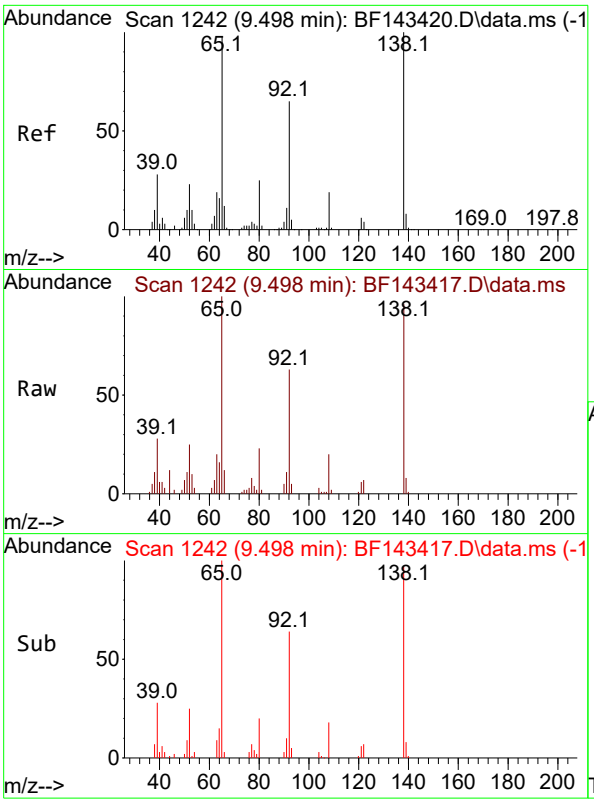


#47
2-Chloronaphthalene
Concen: 5.520 ng
RT: 9.404 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:162 Resp: 95062

Ion	Ratio	Lower	Upper
162	100		
127	38.5	32.3	48.5
164	32.5	26.9	40.3



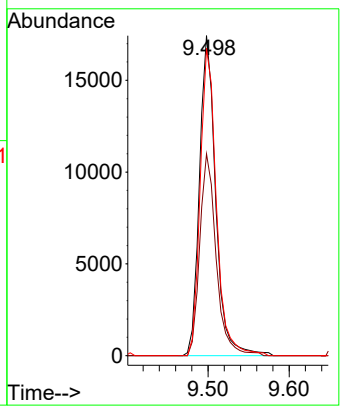


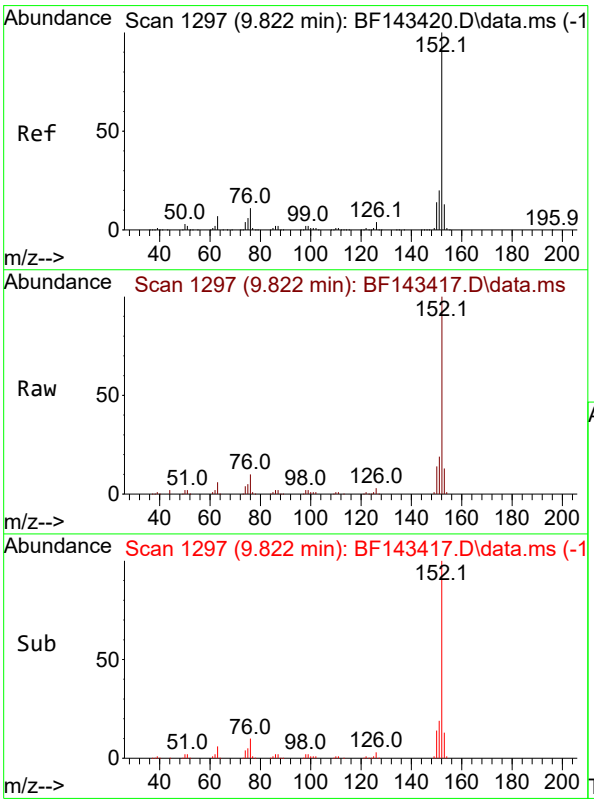
#48
2-Nitroaniline
Concen: 4.734 ng
RT: 9.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 24258

Ion	Ratio	Lower	Upper
65	100		
92	63.1	52.9	79.3
138	96.0	81.3	121.9

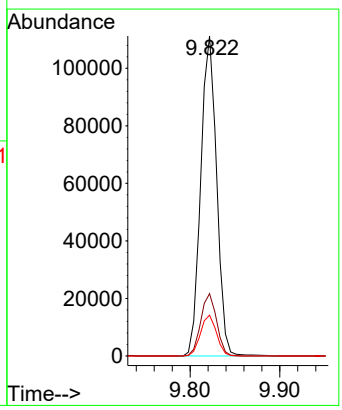


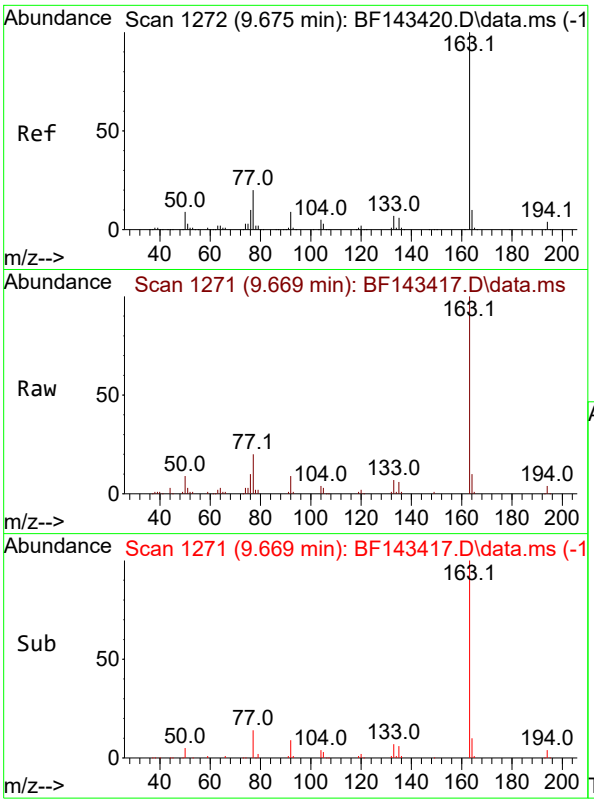


#49
Acenaphthylene
Concen: 5.509 ng
RT: 9.822 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:152 Resp: 136971

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.0	24.0
153	12.7	10.8	16.2



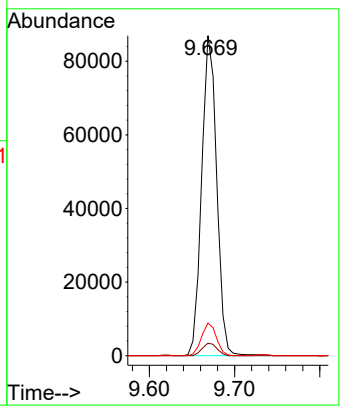


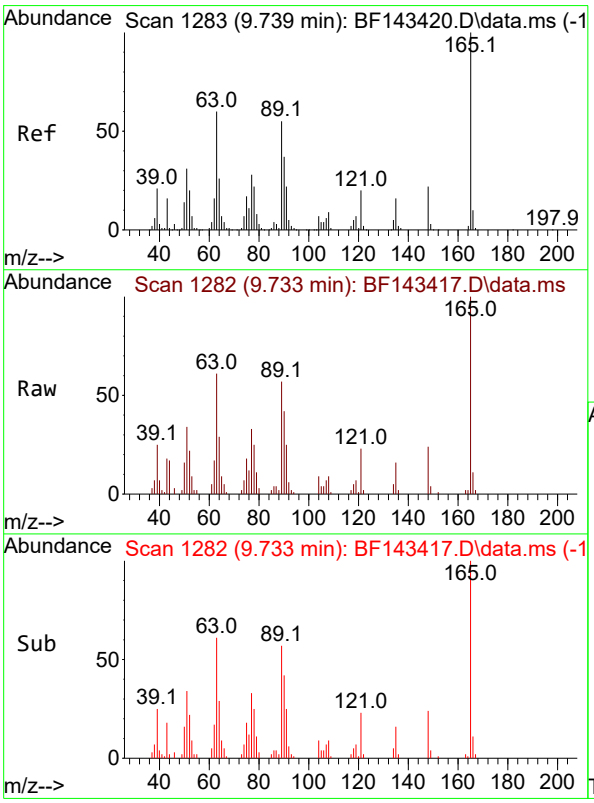
#50
Dimethylphthalate
Concen: 5.499 ng
RT: 9.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 106442

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.2	8.2	12.4

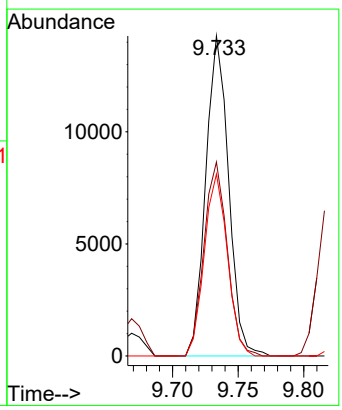


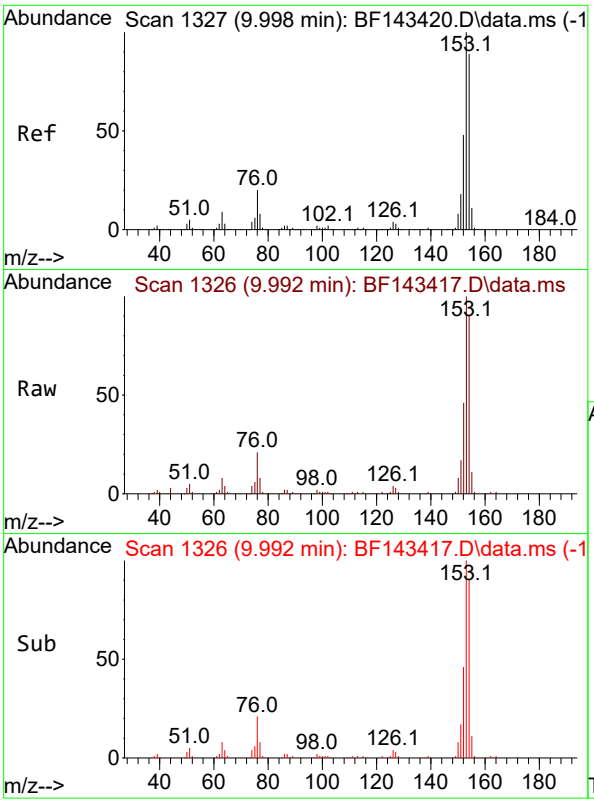


#51
2,6-Dinitrotoluene
Concen: 4.535 ng
RT: 9.733 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:165 Resp: 17305

Ion	Ratio	Lower	Upper
165	100		
63	60.6	48.2	72.2
89	56.8	44.2	66.2



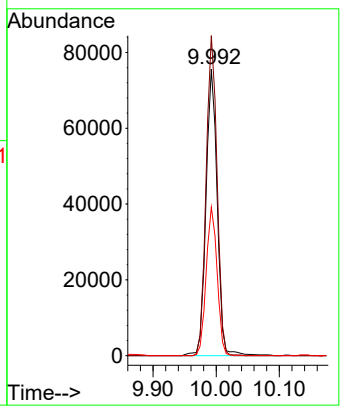


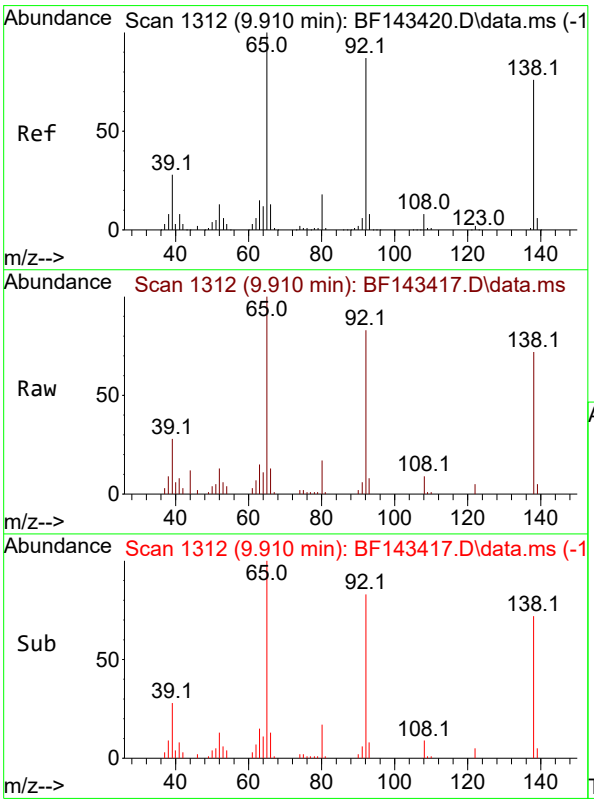
#52
Acenaphthene
Concen: 5.581 ng
RT: 9.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 93335

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.5	134.3
152	51.8	42.6	64.0

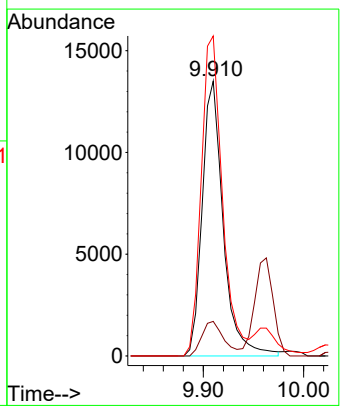


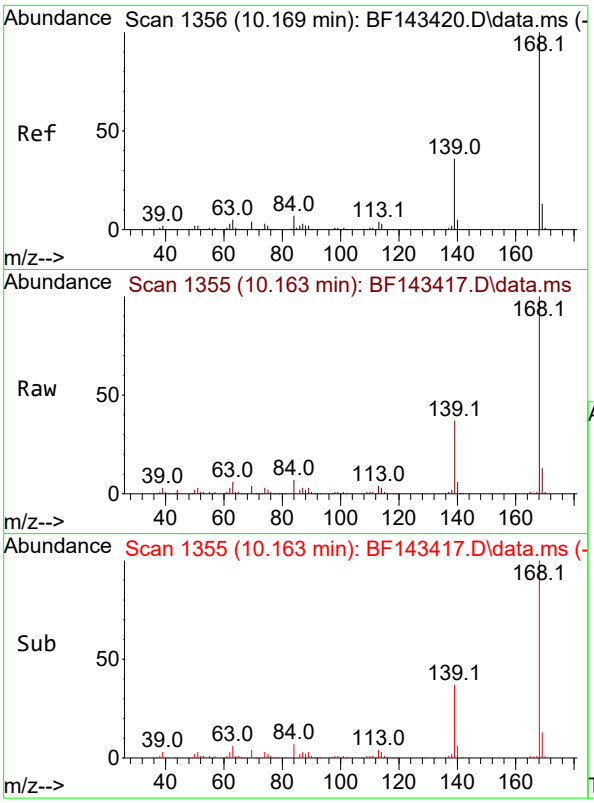


#53
3-Nitroaniline
Concen: 4.645 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:138 Resp: 19743

Ion	Ratio	Lower	Upper
138	100		
108	12.6	8.7	13.1
92	116.4	91.4	137.2



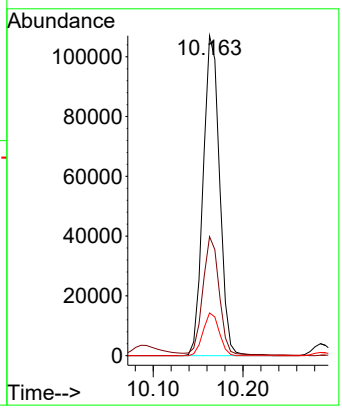


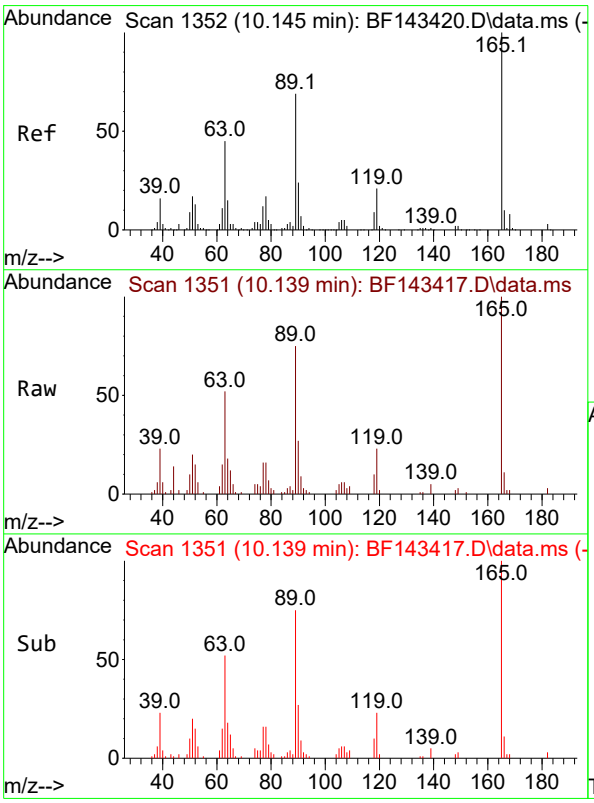
#55
Dibenzofuran
Concen: 5.643 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 136138

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.3	43.9
169	13.4	10.8	16.2

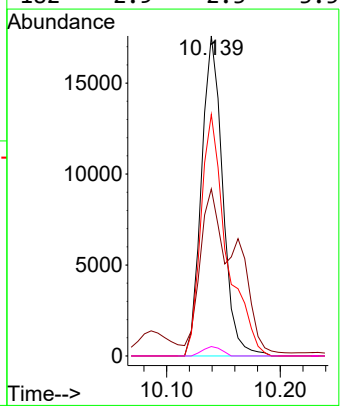


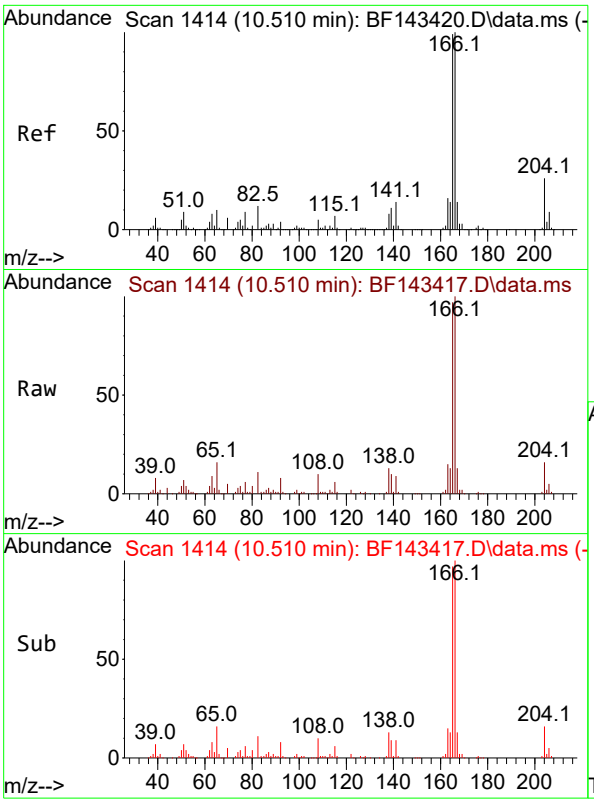


#57
2,4-Dinitrotoluene
Concen: 4.467 ng
RT: 10.139 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:165 Resp: 22724

Ion	Ratio	Lower	Upper
165	100		
63	52.2	37.0	55.6
89	75.5	55.4	83.0
182	2.9	2.3	3.5



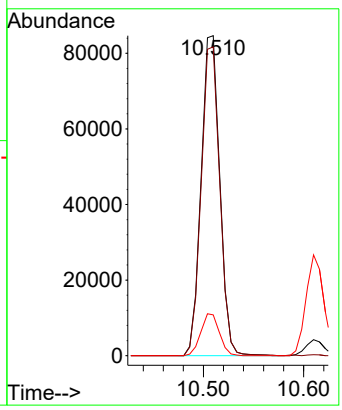


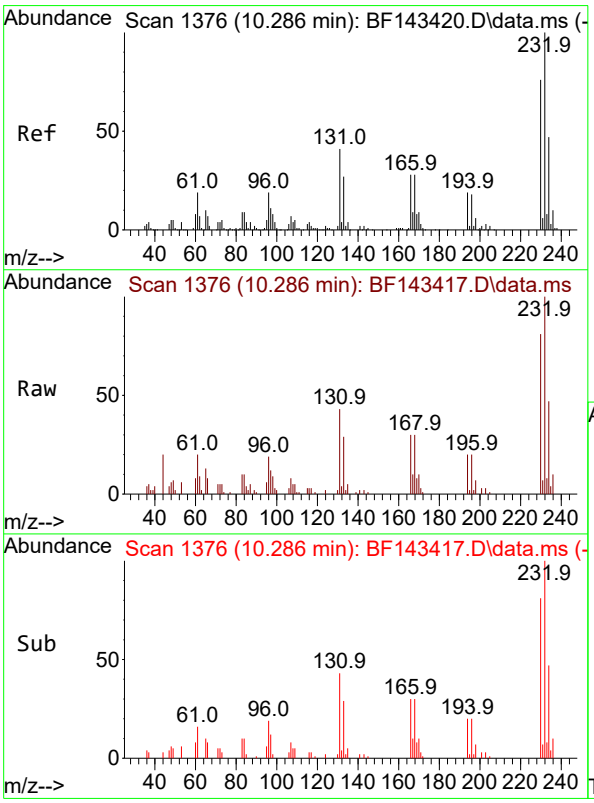
#58
Fluorene
Concen: 5.925 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 109812

Ion	Ratio	Lower	Upper
166	100		
165	96.5	79.0	118.6
167	12.8	10.9	16.3

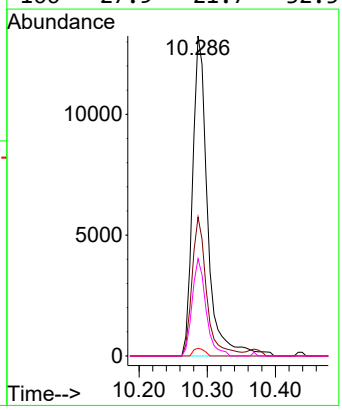


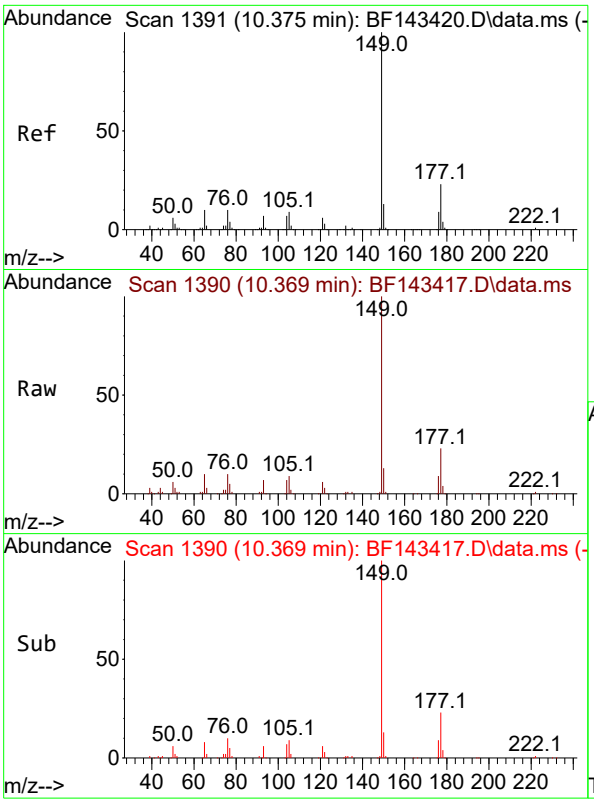


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.611 ng
RT: 10.286 min Scan# 1376
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:232 Resp: 20210

Ion	Ratio	Lower	Upper
232	100		
131	42.2	32.0	48.0
130	1.8	1.7	2.5
166	27.9	21.7	32.5



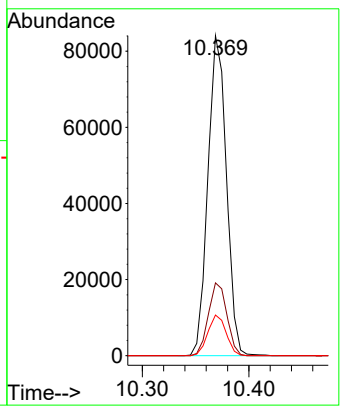


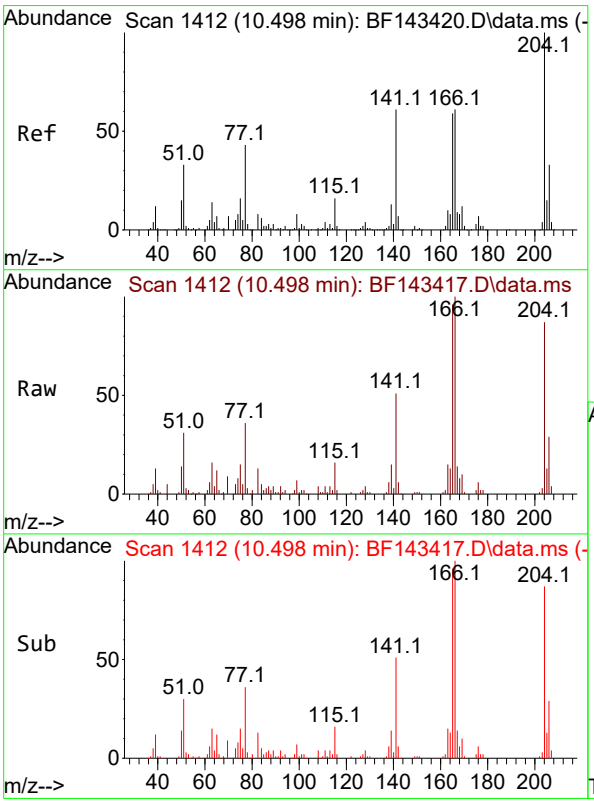
#60
Diethylphthalate
Concen: 5.676 ng
RT: 10.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 101540

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.4
150	12.7	10.1	15.1

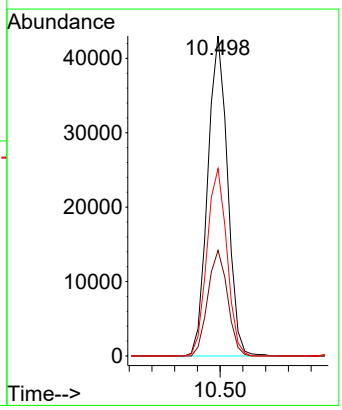


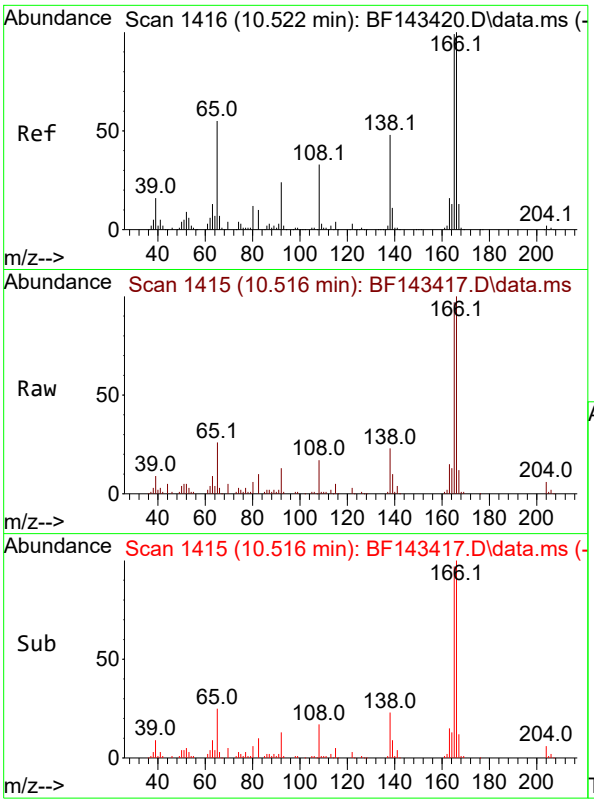


#61
4-Chlorophenyl-phenylether
Concen: 5.669 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:204 Resp: 51941

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	58.6	49.0	73.4



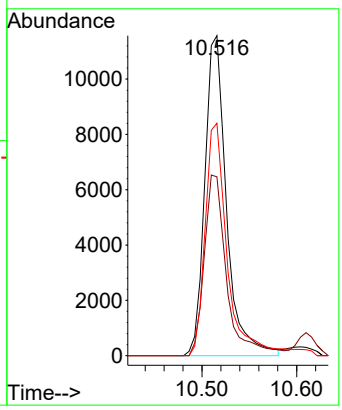


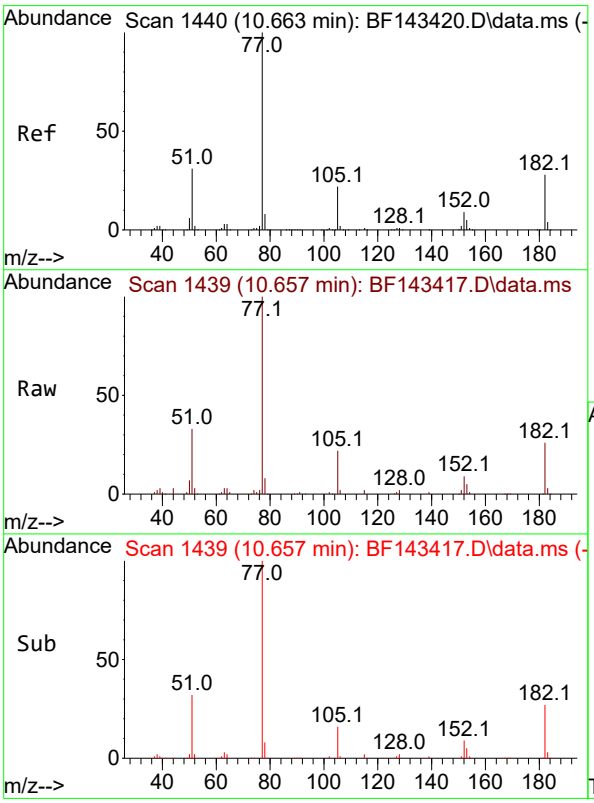
#62
4-Nitroaniline
Concen: 4.621 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 18371

Ion	Ratio	Lower	Upper
138	100		
92	55.9	29.4	69.4
108	72.7	48.6	88.6

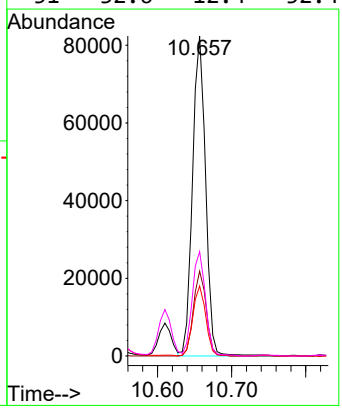


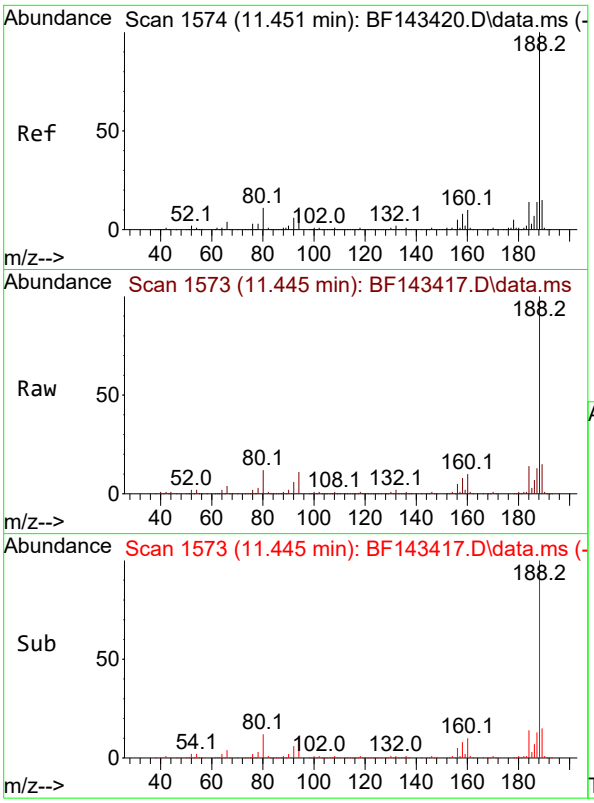


#63
Azobenzene
Concen: 5.586 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 77 Resp: 100999

Ion	Ratio	Lower	Upper
77	100		
182	26.5	7.4	47.4
105	21.9	1.7	41.7
51	32.6	12.4	52.4



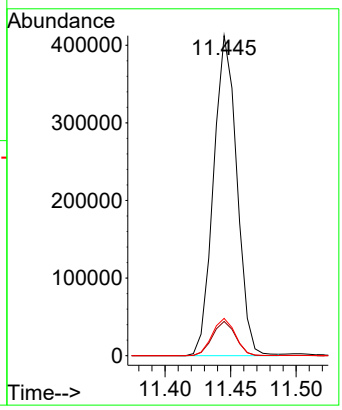


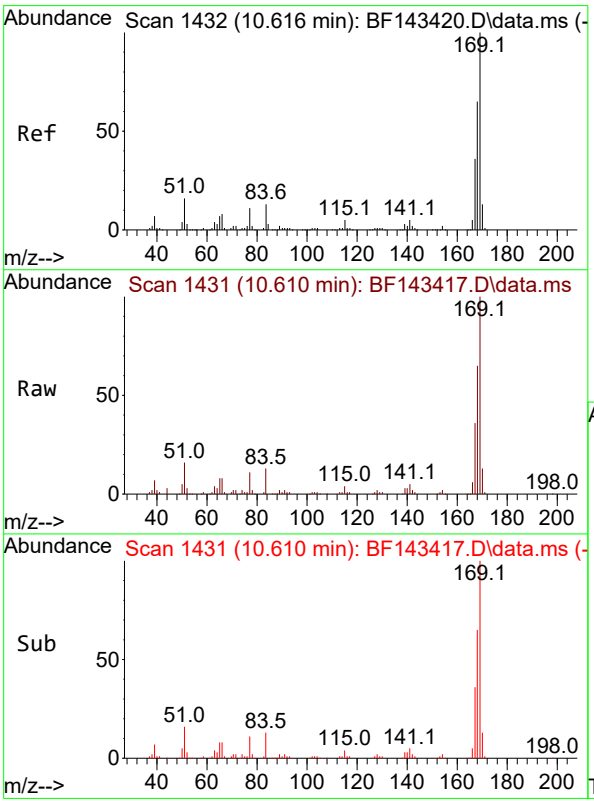
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 510641

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.0	12.0
80	11.7	8.6	12.8

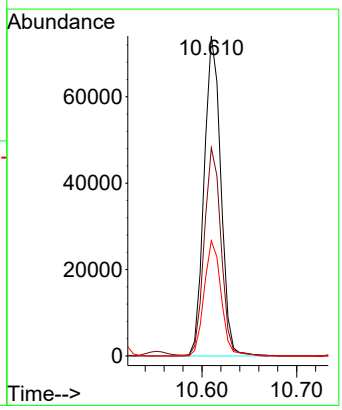


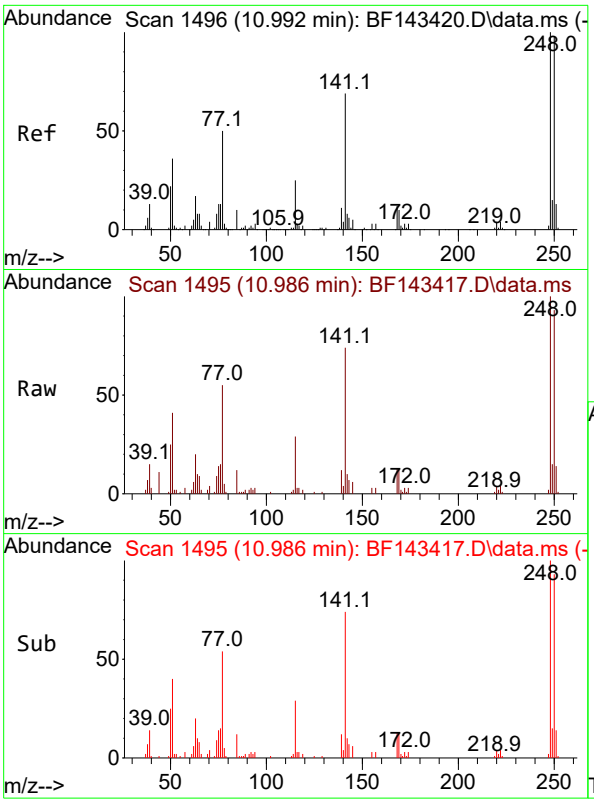


#66
n-Nitrosodiphenylamine
Concen: 5.439 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:169 Resp: 90311

Ion	Ratio	Lower	Upper
169	100		
168	65.1	52.5	78.7
167	36.0	28.6	42.8



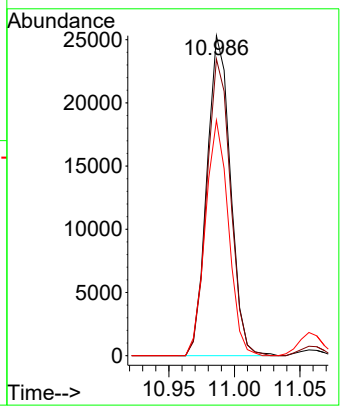


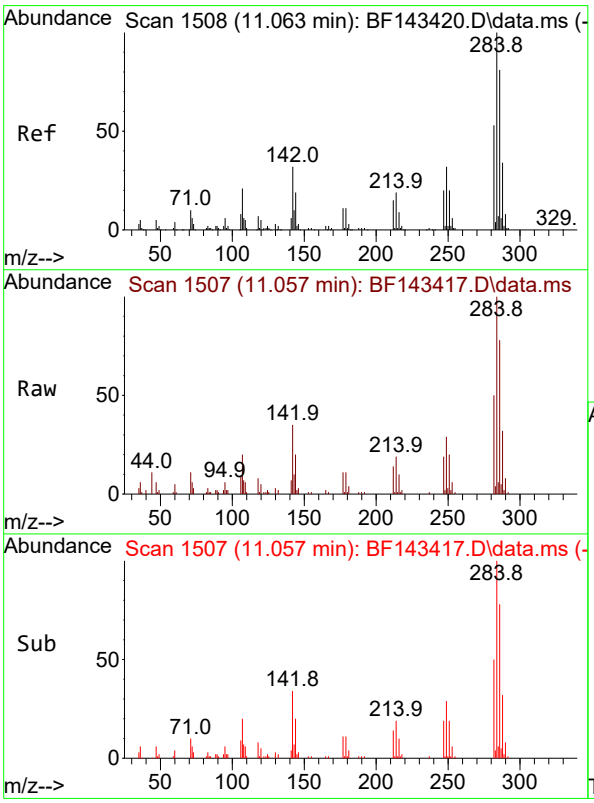
#67
4-Bromophenyl-phenylether
Concen: 5.249 ng
RT: 10.986 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 31653

Ion	Ratio	Lower	Upper
248	100		
250	92.7	78.6	118.0
141	73.6	54.9	82.3

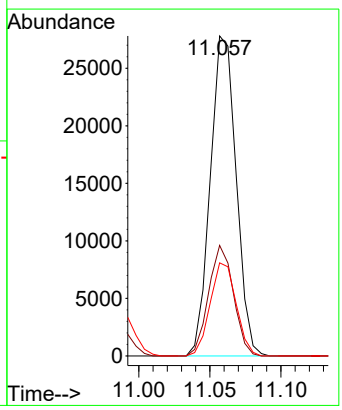


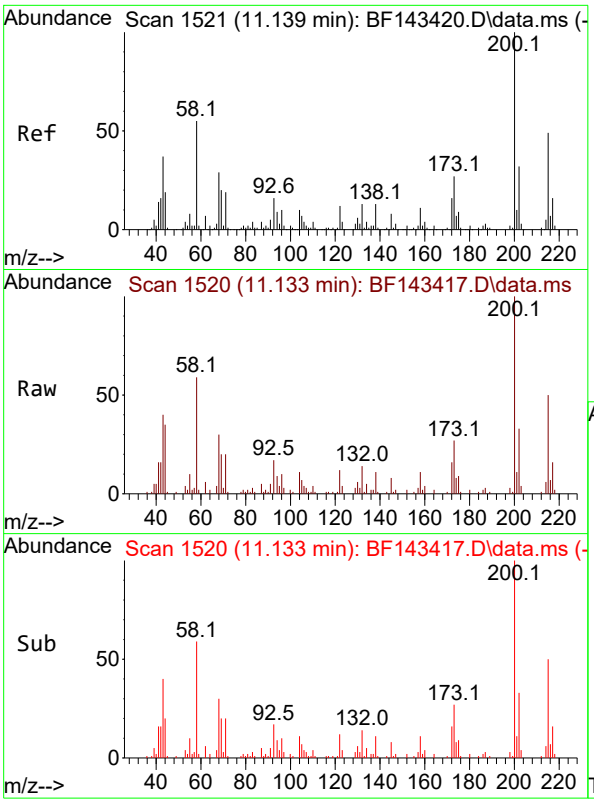


#68
Hexachlorobenzene
Concen: 5.494 ng
RT: 11.057 min Scan# 1507
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:284 Resp: 35216

Ion	Ratio	Lower	Upper
284	100		
142	34.5	25.4	38.2
249	29.1	25.4	38.0



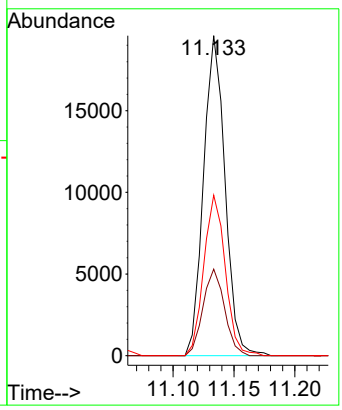


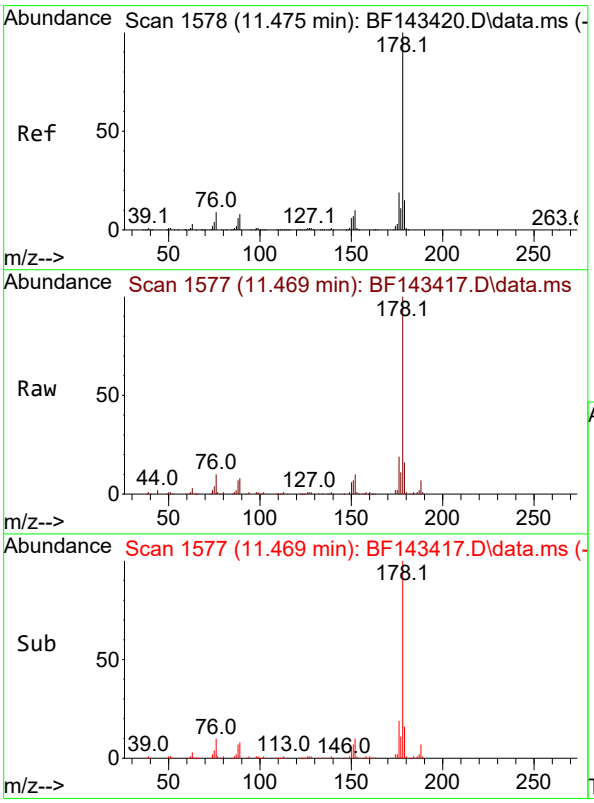
#69
Atrazine
Concen: 4.952 ng
RT: 11.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 24051

Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.6	46.6
215	50.1	29.5	69.5

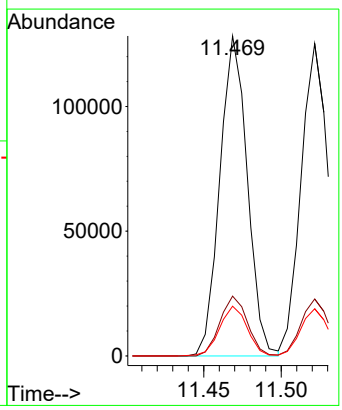


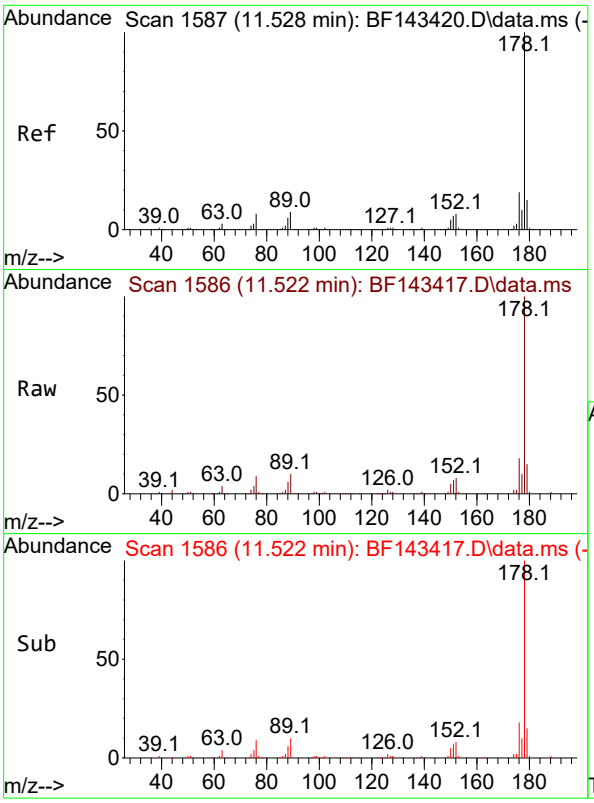


#71
Phenanthrene
Concen: 5.713 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:178 Resp: 157990

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.6	12.3	18.5



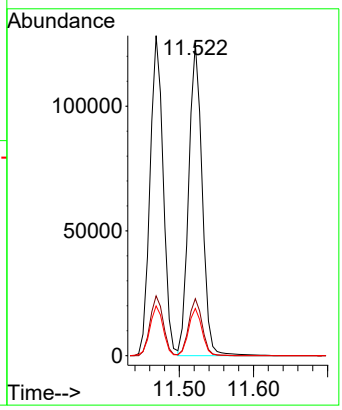


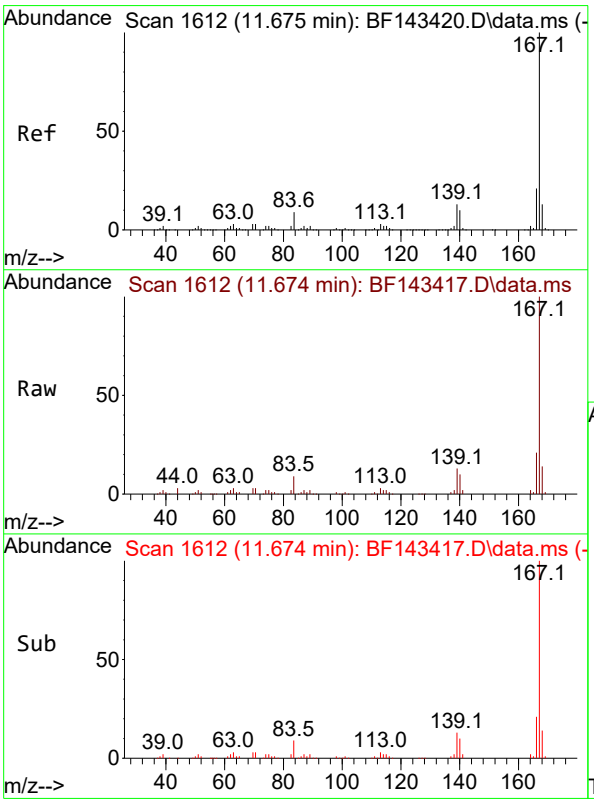
#72
Anthracene
Concen: 5.649 ng
RT: 11.522 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 157773

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	15.1	12.2	18.4

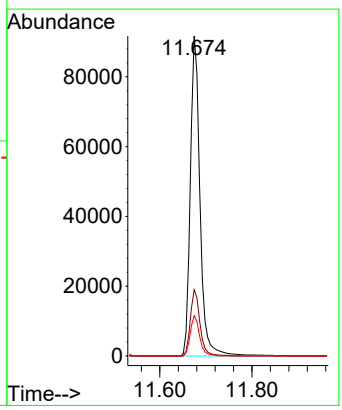


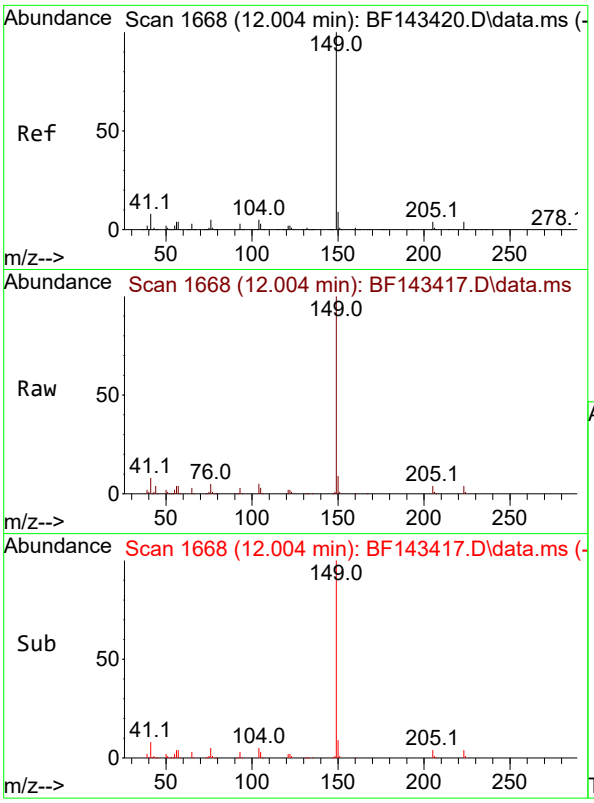


#73
Carbazole
Concen: 5.643 ng
RT: 11.674 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:167 Resp: 133302

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.2	25.8
139	12.6	10.1	15.1



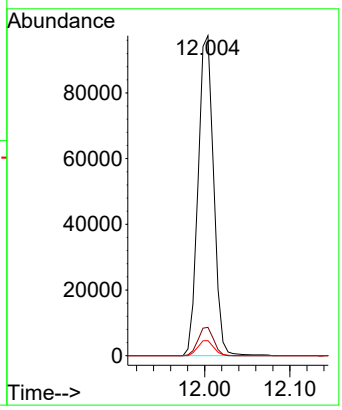


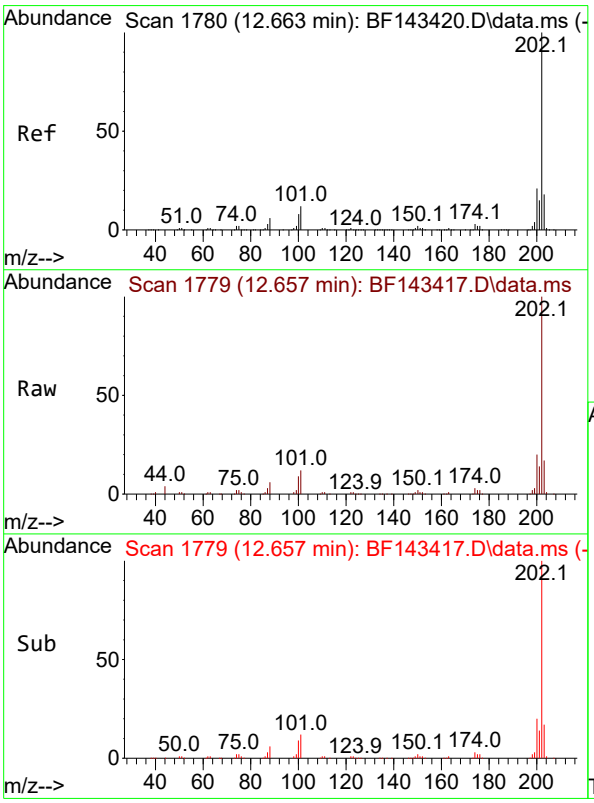
#74
Di-n-butylphthalate
Concen: 5.238 ng
RT: 12.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 123223

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.7	3.8	5.6

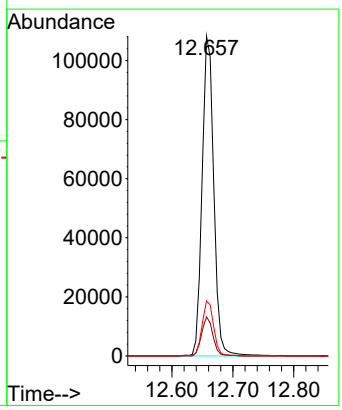


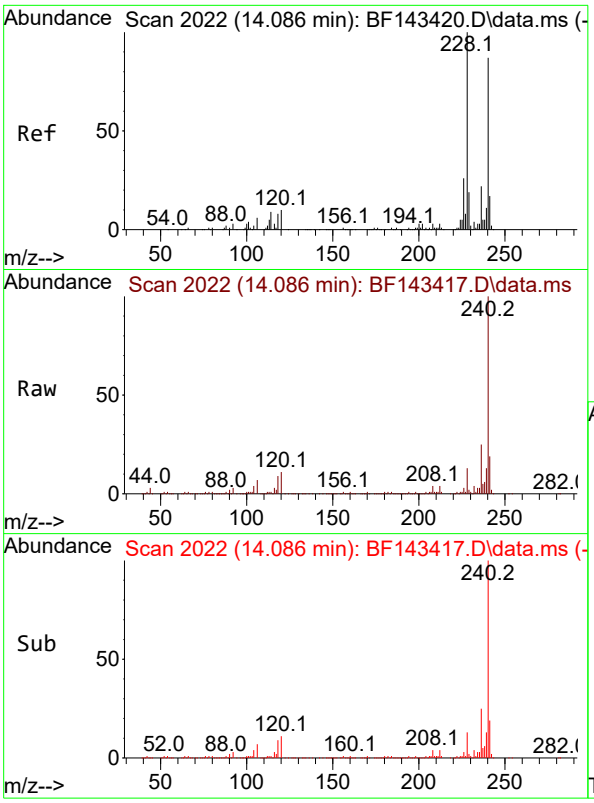


#75
Fluoranthene
Concen: 5.863 ng
RT: 12.657 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:202 Resp: 144049

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.5
203	17.2	0.0	37.5



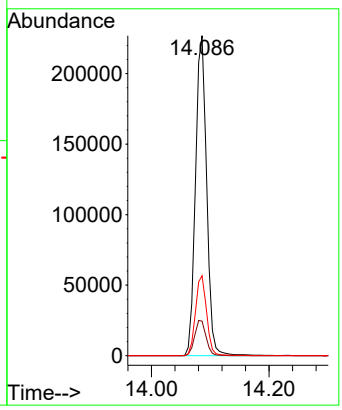


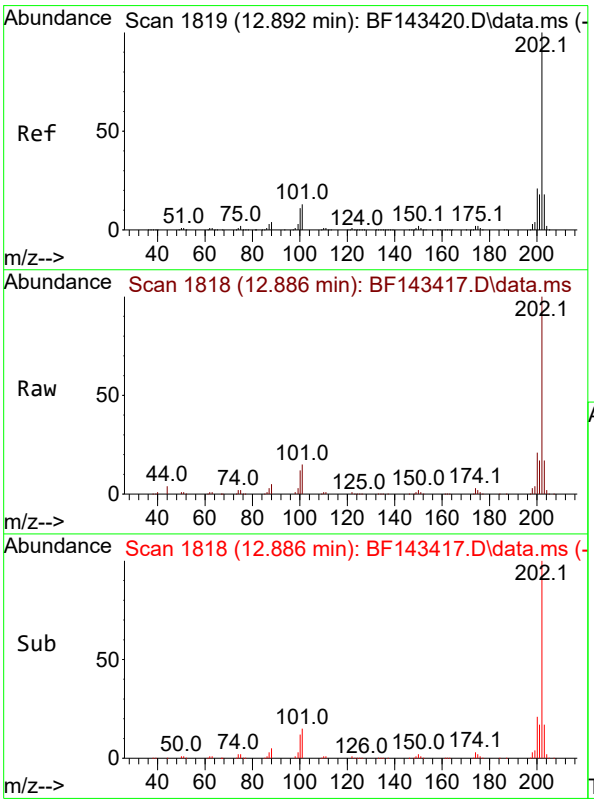
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 299111

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.0	13.4
236	25.0	20.2	30.2

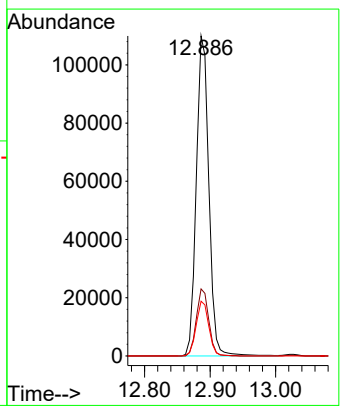


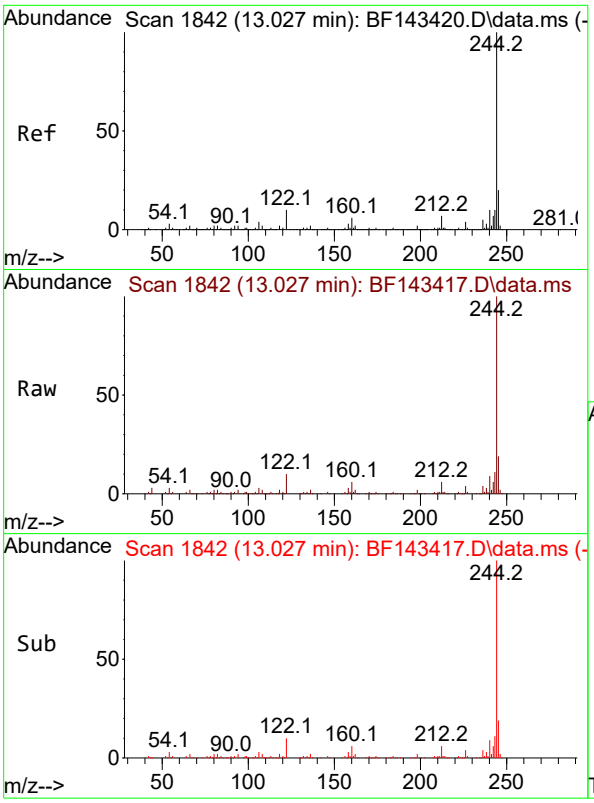


#78
Pyrene
Concen: 5.633 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:202 Resp: 146451

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	17.1	14.2	21.2



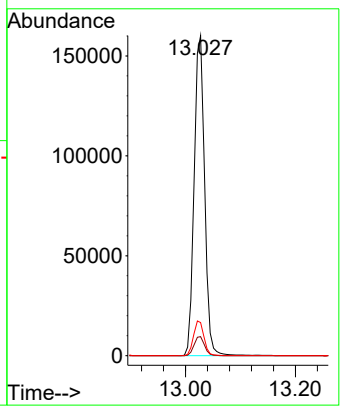


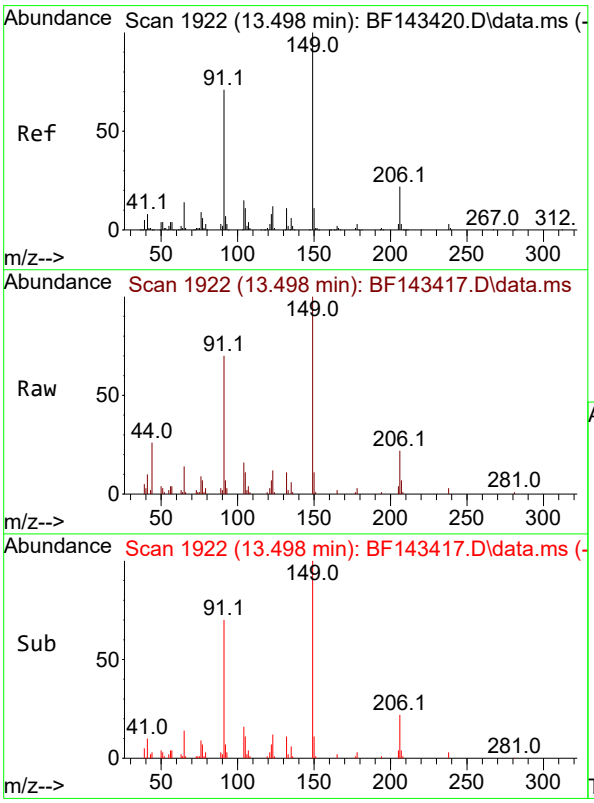
#79
Terphenyl-d14
Concen: 11.881 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 211547

Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.2	7.8
122	10.4	8.3	12.5

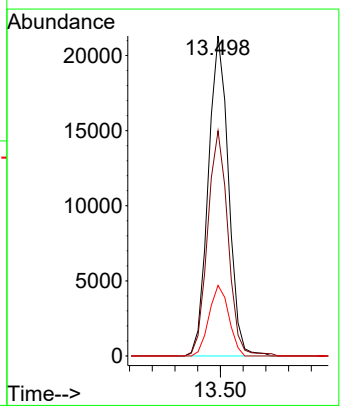


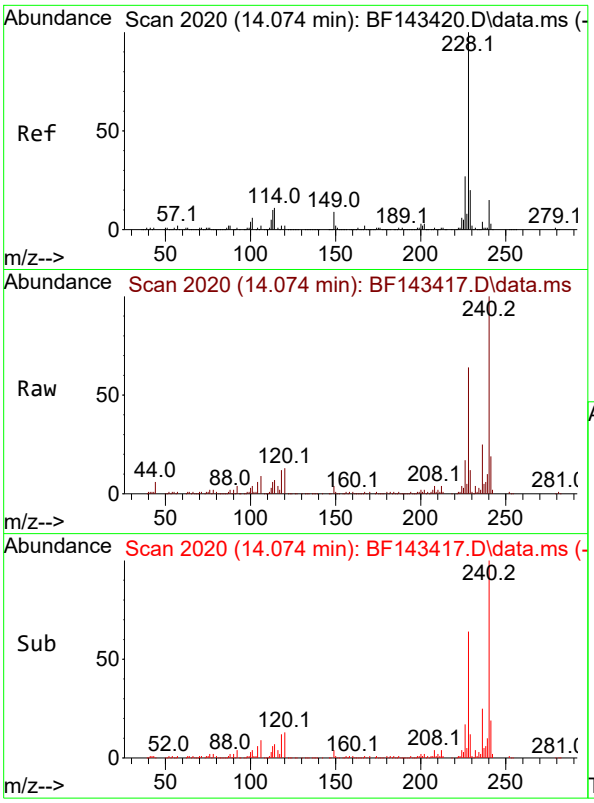


#80
Butylbenzylphthalate
Concen: 4.093 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:149 Resp: 26359

Ion	Ratio	Lower	Upper
149	100		
91	70.3	57.0	85.4
206	22.0	17.6	26.4



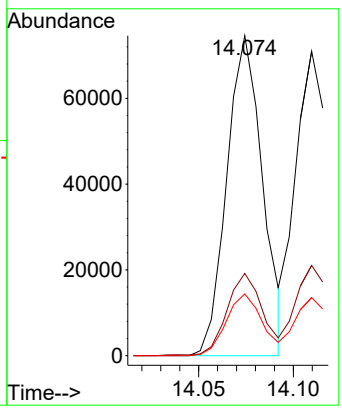


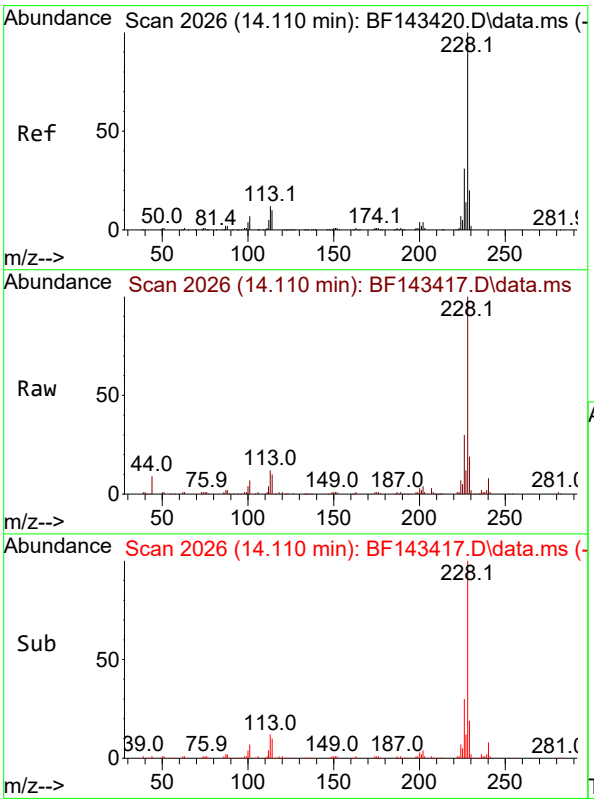
#81
Benzo(a)anthracene
Concen: 5.151 ng
RT: 14.074 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 98096

Ion	Ratio	Lower	Upper
228	100		
226	25.7	21.5	32.3
229	19.3	15.7	23.5

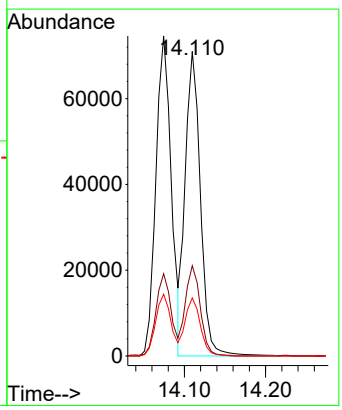


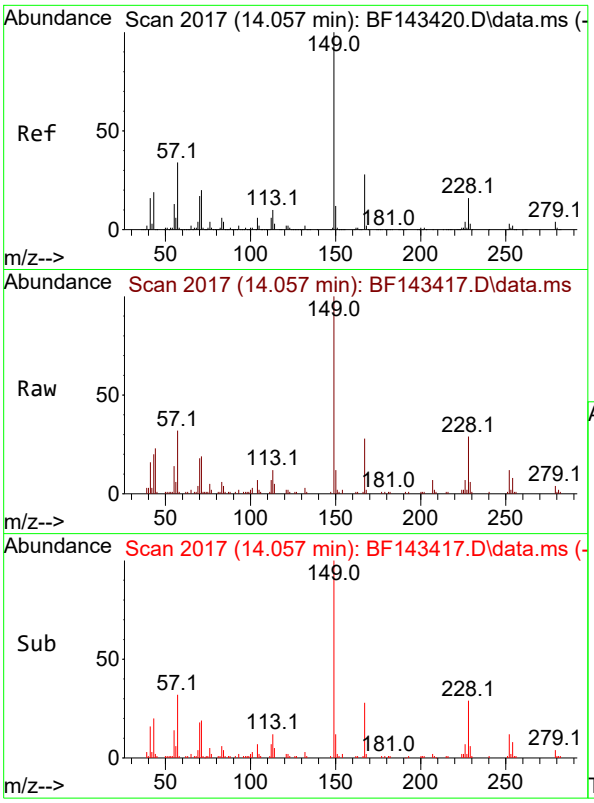


#83
Chrysene
Concen: 5.267 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:228 Resp: 92720

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.3	36.5
229	19.1	16.1	24.1



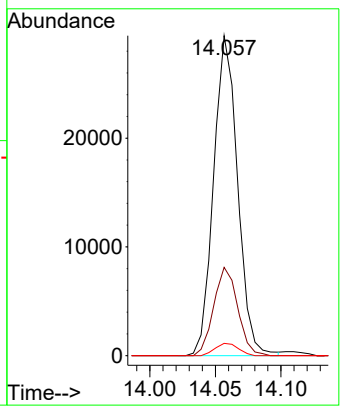


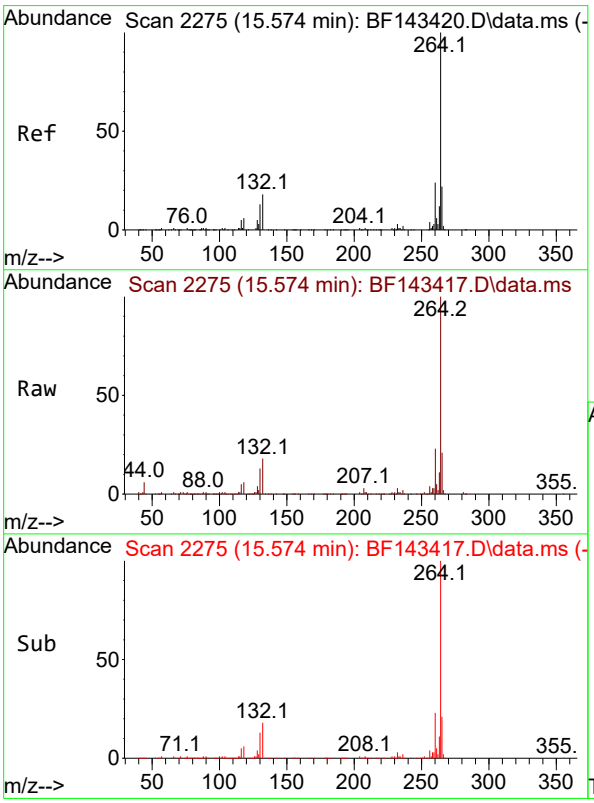
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.092 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 37419

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.6	33.8
279	3.9	3.5	5.3

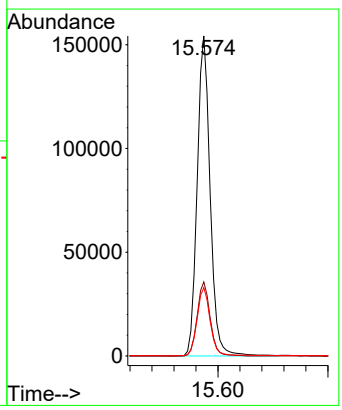


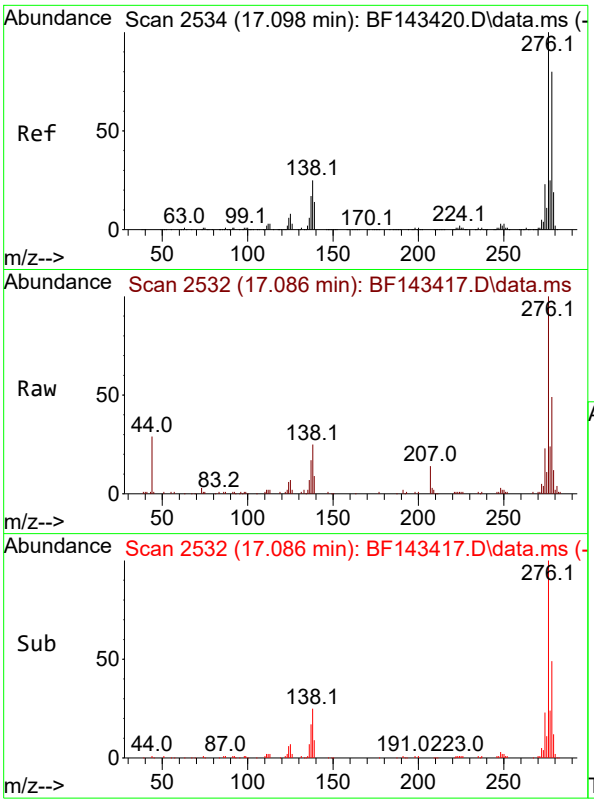


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:264 Resp: 252550

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	21.3	17.4	26.0



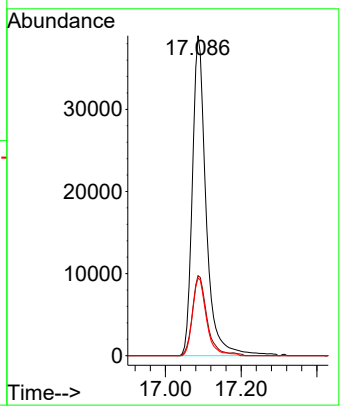


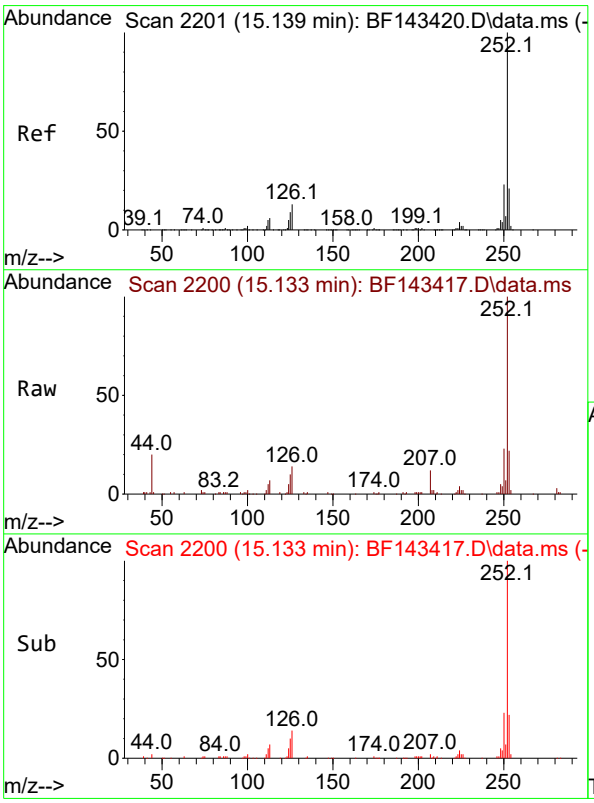
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.198 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 98443

Ion	Ratio	Lower	Upper
276	100		
138	26.2	20.2	30.4
277	24.5	20.2	30.2

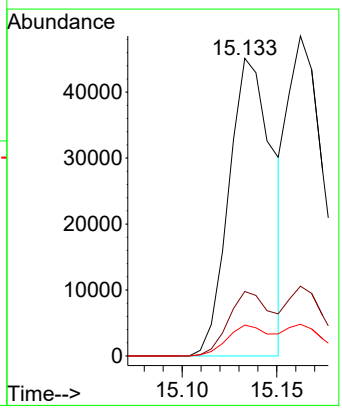


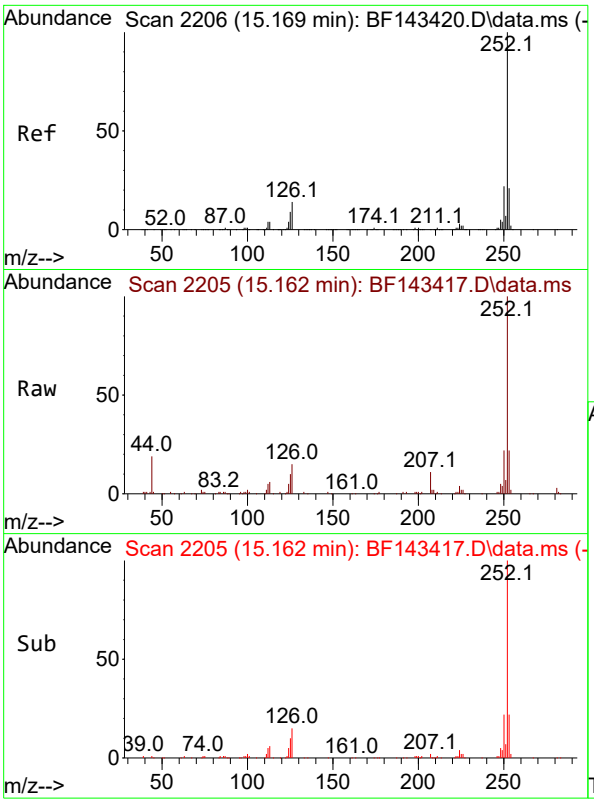


#88
Benzo(b)fluoranthene
Concen: 5.348 ng
RT: 15.133 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:252 Resp: 72392

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	10.4	7.5	11.3



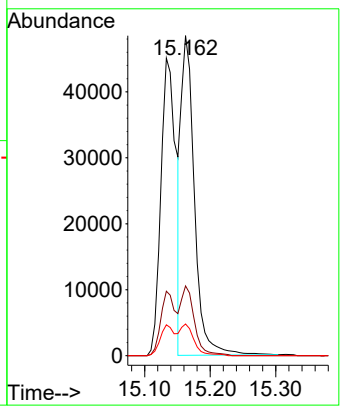


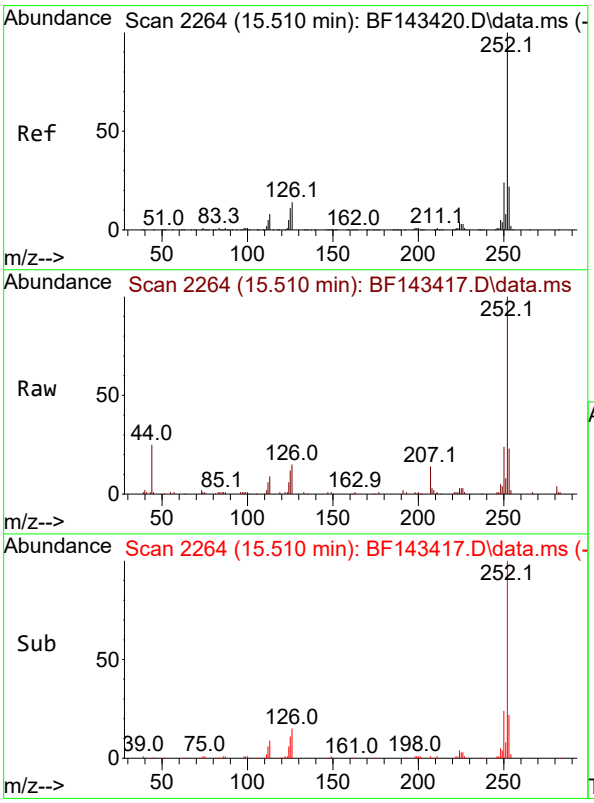
#89
Benzo(k)fluoranthene
Concen: 5.128 ng
RT: 15.162 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 68462

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	9.9	7.4	11.2

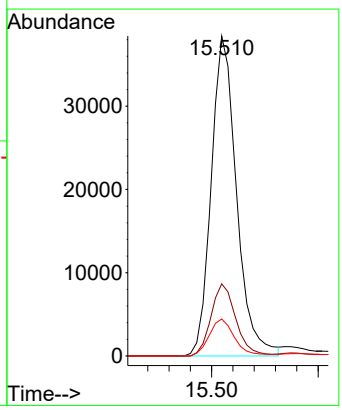


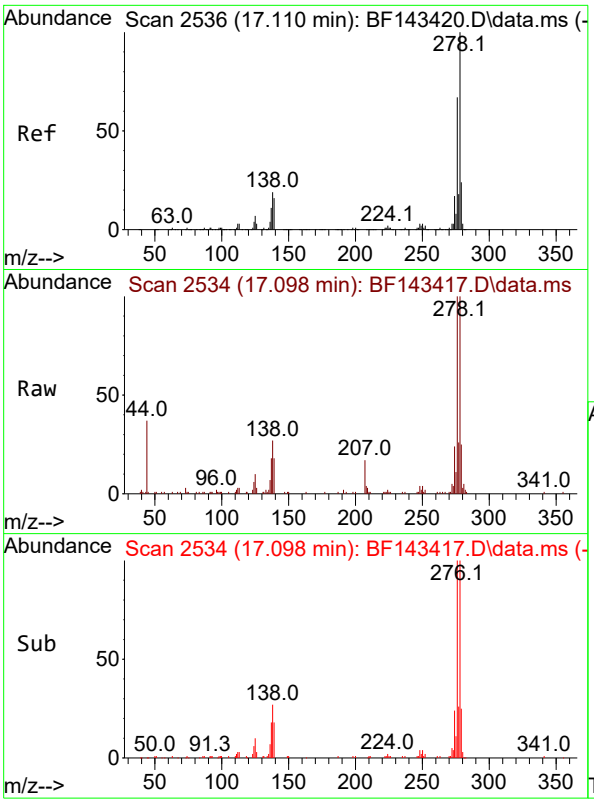


#90
Benzo(a)pyrene
Concen: 4.920 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:252 Resp: 63426

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	11.6	8.6	12.8



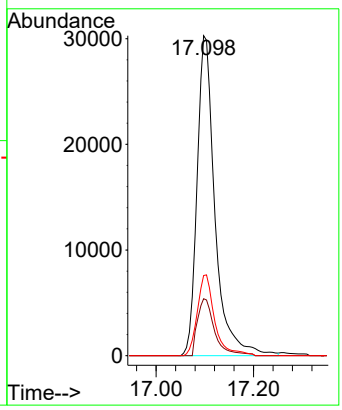


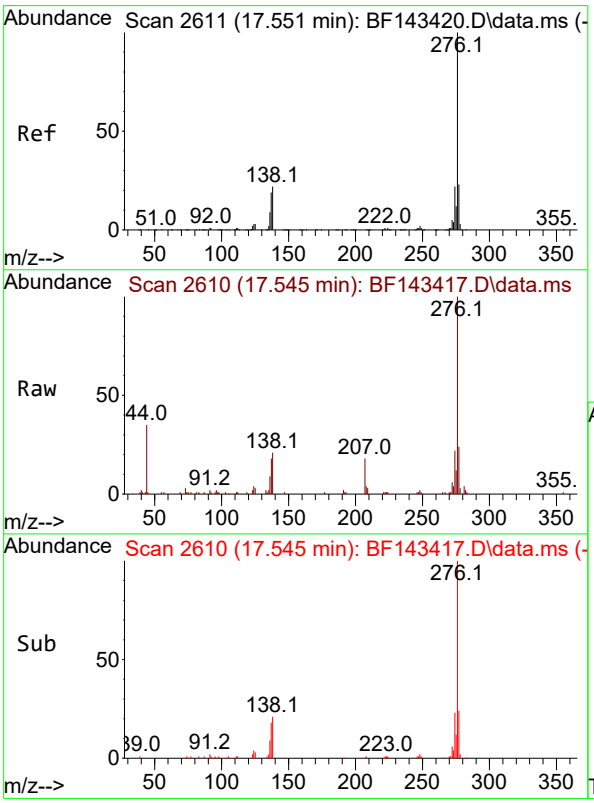
#91
Dibenzo(a,h)anthracene
Concen: 5.092 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 77441

Ion	Ratio	Lower	Upper
278	100		
139	17.8	12.9	19.3
279	25.0	19.0	28.4

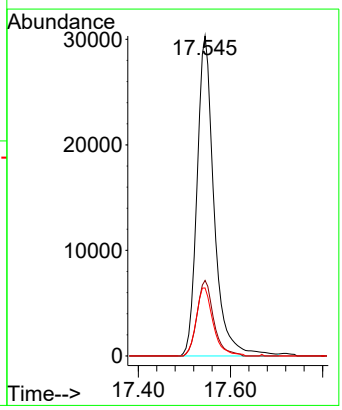




#92
Benzo(g,h,i)perylene
Concen: 5.136 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:276 Resp: 78027

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	21.3	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143418.D
Acq On : 15 Aug 2025 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 18:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	126172	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	489700	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	268983	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	437552	20.000	ng		0.00
76) Chrysene-d12	14.086	240	267863	20.000	ng		0.00
86) Perylene-d12	15.574	264	237224	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.557	112	147543	20.328	ng		0.00
7) Phenol-d6	6.551	99	188455	20.603	ng		0.00
23) Nitrobenzene-d5	7.481	82	162906	19.740	ng		0.00
42) 2,4,6-Tribromophenol	10.745	330	47446	19.817	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	360367	22.534	ng		0.00
79) Terphenyl-d14	13.022	244	341694	21.429	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.722	88	35300	10.104	ng		97
3) Pyridine	3.522	79	86732	9.465	ng		99
4) n-Nitrosodimethylamine	3.434	42	40435	9.494	ng	#	98
6) Aniline	6.587	93	124989	10.065	ng		98
8) 2-Chlorophenol	6.716	128	81382	10.156	ng		98
9) Benzaldehyde	6.475	77	65816	13.525	ng		99
10) Phenol	6.569	94	110158	10.320	ng		93
11) bis(2-Chloroethyl)ether	6.651	93	79743	10.079	ng		98
12) 1,3-Dichlorobenzene	6.869	146	93323	10.397	ng		99
13) 1,4-Dichlorobenzene	6.945	146	93524	10.436	ng		99
14) 1,2-Dichlorobenzene	7.098	146	89646	10.473	ng		98
15) Benzyl Alcohol	7.063	79	64998	9.636	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	142528	10.537	ng		99
17) 2-Methylphenol	7.175	107	65382	10.000	ng		97
18) Hexachloroethane	7.440	117	30528	10.008	ng		99
19) n-Nitroso-di-n-propyla...	7.328	70	59208	10.456	ng		99
20) 3+4-Methylphenols	7.328	107	83322	10.659	ng		91
22) Acetophenone	7.328	105	112365	10.672	ng		100
24) Nitrobenzene	7.498	77	84934	9.847	ng		98
25) Isophorone	7.739	82	157251	9.956	ng		99
26) 2-Nitrophenol	7.822	139	36495	9.127	ng		99
27) 2,4-Dimethylphenol	7.857	122	70092	10.368	ng		97
28) bis(2-Chloroethoxy)met...	7.951	93	99022	10.200	ng		100
29) 2,4-Dichlorophenol	8.069	162	68826	9.987	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	73076	10.349	ng		96
31) Naphthalene	8.228	128	241652	10.394	ng		100
32) Benzoic acid	7.951	122	27803m	7.945	ng		
33) 4-Chloroaniline	8.275	127	86081	10.258	ng		98
34) Hexachlorobutadiene	8.351	225	45348	10.071	ng		97
35) Caprolactam	8.610	113	18911	9.531	ng		96
36) 4-Chloro-3-methylphenol	8.751	107	71072	10.013	ng		100
37) 2-Methylnaphthalene	8.922	142	166073	10.598	ng		100
38) 1-Methylnaphthalene	9.016	142	159110	10.597	ng		99
40) 1,2,4,5-Tetrachloroben...	9.086	216	78936	10.523	ng		98
41) Hexachlorocyclopentadiene	9.075	237	11930	10.597	ng		98
43) 2,4,6-Trichlorophenol	9.198	196	45852	9.798	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143418.D
Acq On : 15 Aug 2025 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 15 18:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	48096	9.588	ng	95
46) 1,1'-Biphenyl	9.381	154	204923	10.843	ng	98
47) 2-Chloronaphthalene	9.404	162	157909	10.585	ng	98
48) 2-Nitroaniline	9.498	65	42604	9.597	ng	99
49) Acenaphthylene	9.822	152	225908	10.488	ng	99
50) Dimethylphthalate	9.669	163	173912	10.371	ng	100
51) 2,6-Dinitrotoluene	9.733	165	30248	9.150	ng	95
52) Acenaphthene	9.992	154	151452	10.454	ng	99
53) 3-Nitroaniline	9.904	138	35157	9.547	ng	94
54) 2,4-Dinitrophenol	10.022	184	7904	10.543	ng	95
55) Dibenzofuran	10.163	168	224434	10.739	ng	100
56) 4-Nitrophenol	10.081	139	17626	7.613	ng	94
57) 2,4-Dinitrotoluene	10.139	165	41418	9.397	ng	96
58) Fluorene	10.510	166	177326	11.045	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	35679	9.397	ng	97
60) Diethylphthalate	10.369	149	165814	10.700	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	85166	10.729	ng	99
62) 4-Nitroaniline	10.510	138	34292	9.957	ng	98
63) Azobenzene	10.657	77	162818	10.395	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	15949	7.065	ng	92
66) n-Nitrosodiphenylamine	10.610	169	145957	10.259	ng	99
67) 4-Bromophenyl-phenylether	10.986	248	51111	9.892	ng	97
68) Hexachlorobenzene	11.057	284	55212	10.051	ng	98
69) Atrazine	11.133	200	41393	9.947	ng	99
70) Pentachlorophenol	11.257	266	16946	6.949	ng	95
71) Phenanthrene	11.469	178	252765	10.668	ng	100
72) Anthracene	11.522	178	253551	10.595	ng	100
73) Carbazole	11.675	167	217667	10.754	ng	99
74) Di-n-butylphthalate	11.998	149	209808	10.409	ng	100
75) Fluoranthene	12.657	202	236882	11.251	ng	99
77) Benzidine	12.774	184	85270	11.245	ng	99
78) Pyrene	12.886	202	243992	10.480	ng	98
80) Butylbenzylphthalate	13.498	149	49871	8.648	ng	98
81) Benzo(a)anthracene	14.074	228	170857	10.019	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	40733	8.158	ng	97
83) Chrysene	14.110	228	158897	10.079	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	65928	8.050	ng	98
85) Di-n-octyl phthalate	14.668	149	123077	7.410	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	181838	10.222	ng	99
88) Benzo(b)fluoranthene	15.133	252	118835	9.347	ng	99
89) Benzo(k)fluoranthene	15.163	252	137759	10.985	ng	99
90) Benzo(a)pyrene	15.510	252	120666	9.964	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	148583	10.401	ng	99
92) Benzo(g,h,i)perylene	17.539	276	144617	10.133	ng	99

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

ICAL Form

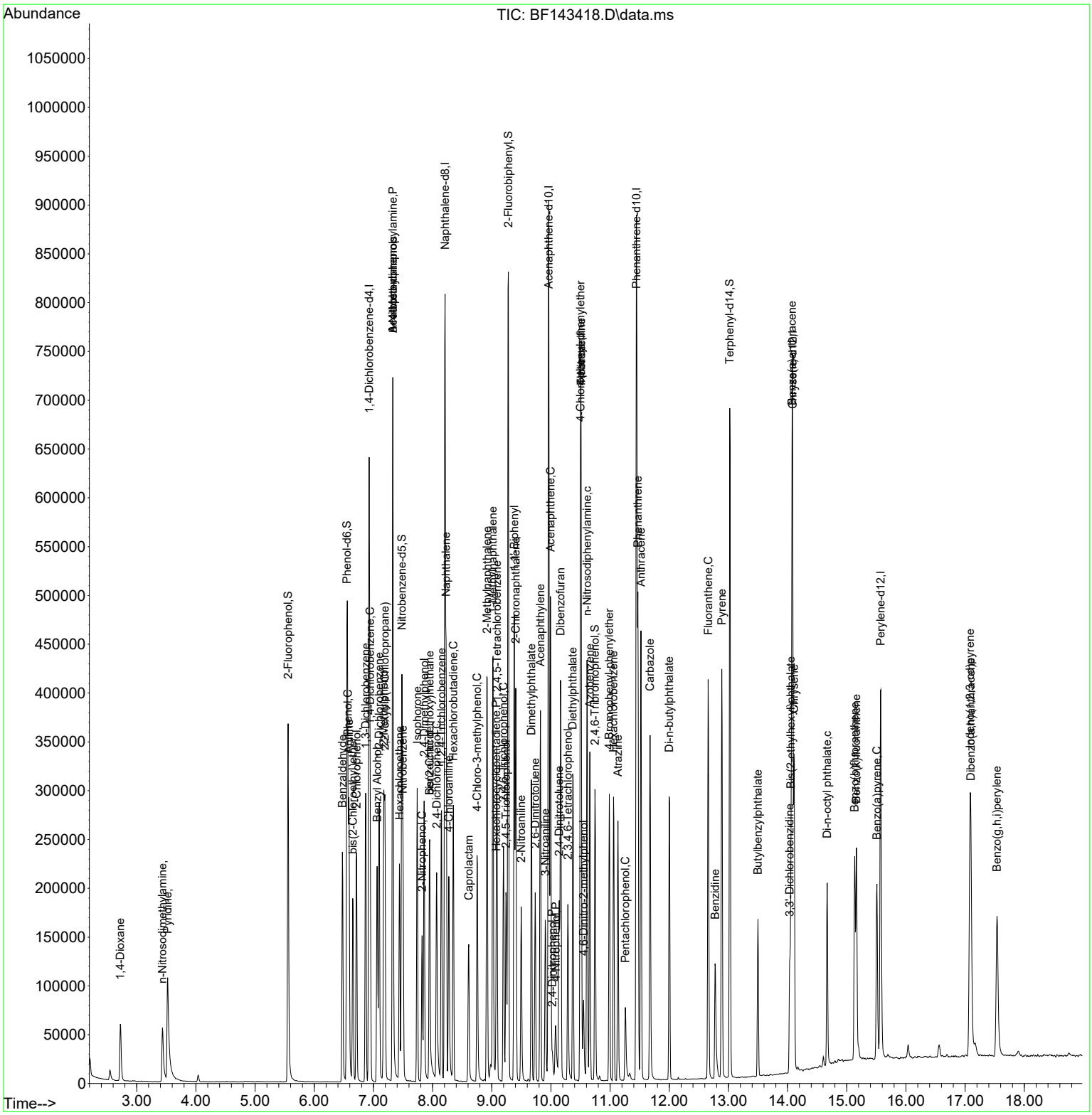
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143418.D
Acq On : 15 Aug 2025 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

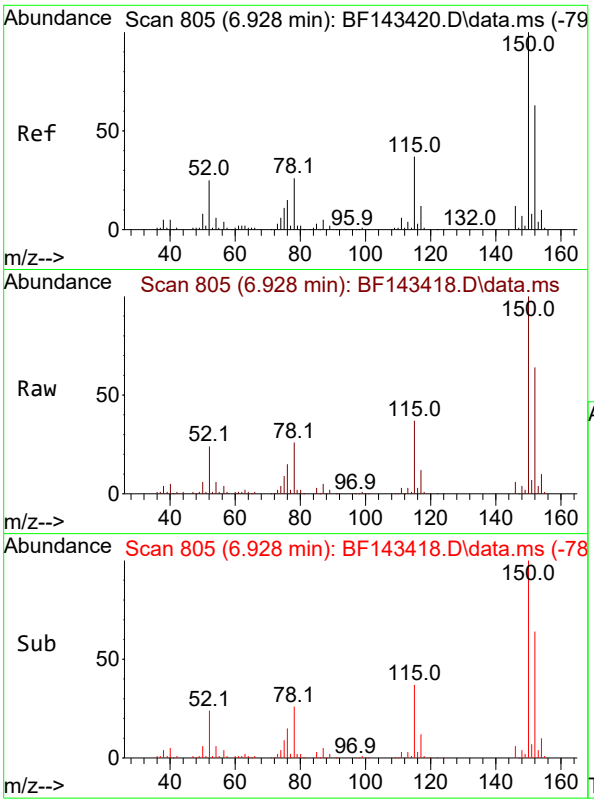
Quant Time: Aug 15 18:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

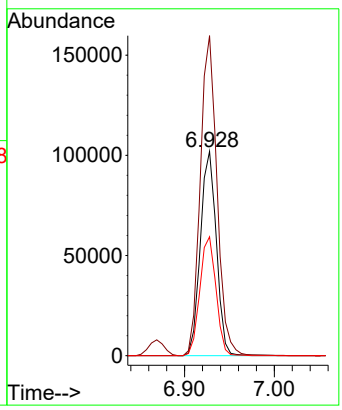




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:152 Resp: 12617

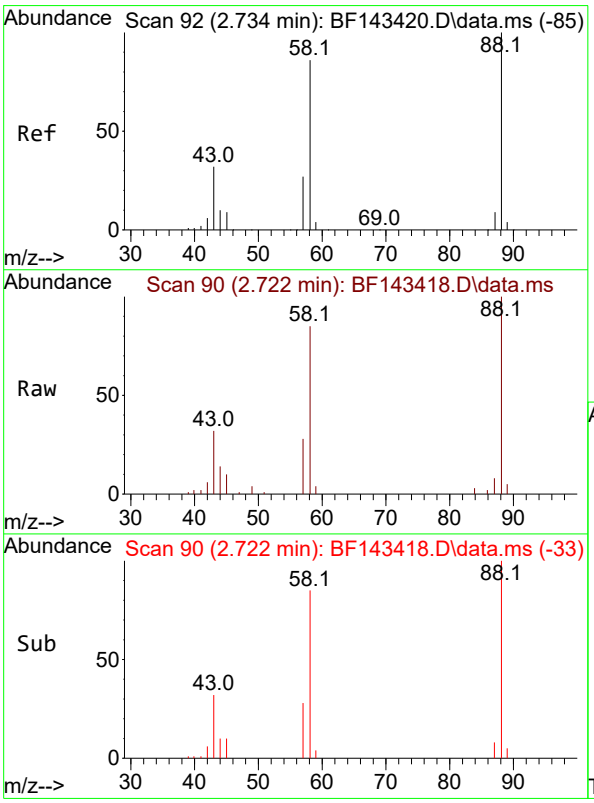
Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.4	191.2
115	58.2	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

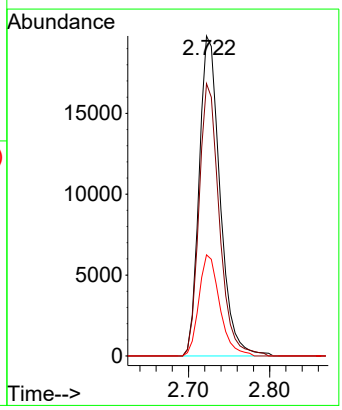
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

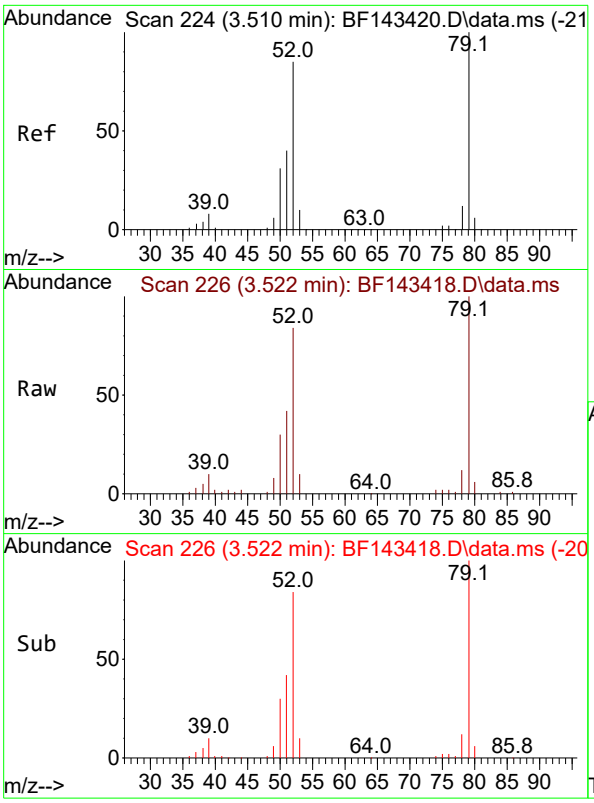


#2
1,4-Dioxane
Concen: 10.104 ng
RT: 2.722 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 88 Resp: 35300

Ion	Ratio	Lower	Upper
88	100		
58	82.8	68.7	103.1
43	31.6	26.1	39.1

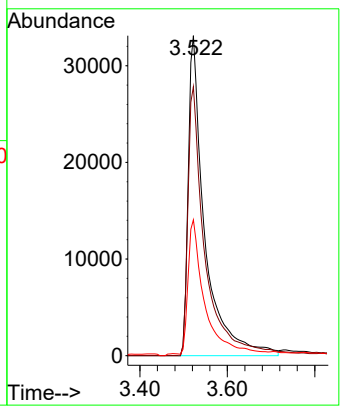




#3
Pyridine
Concen: 9.465 ng
RT: 3.522 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 79 Resp: 8673

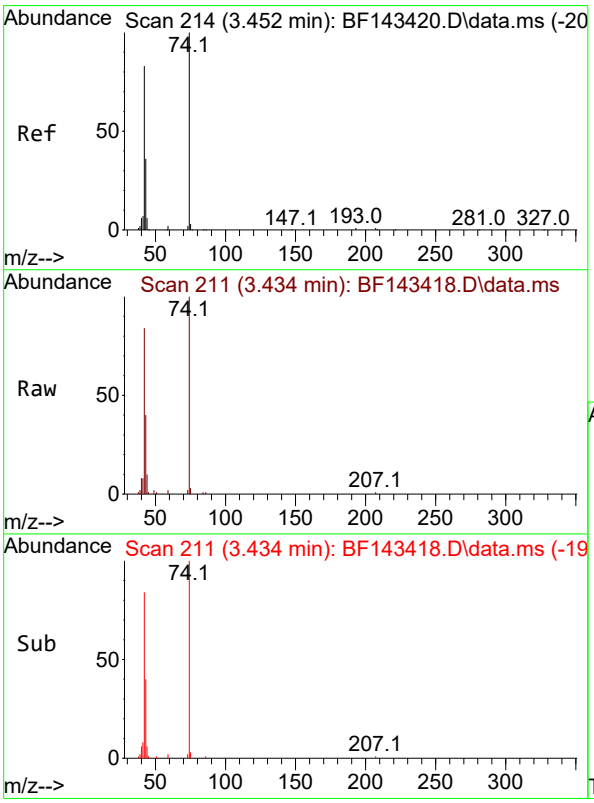
Ion	Ratio	Lower	Upper
79	100		
52	84.1	67.7	101.5
51	42.4	32.3	48.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

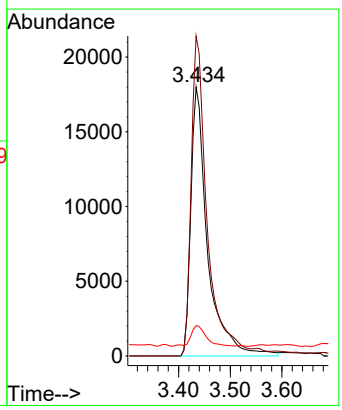
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

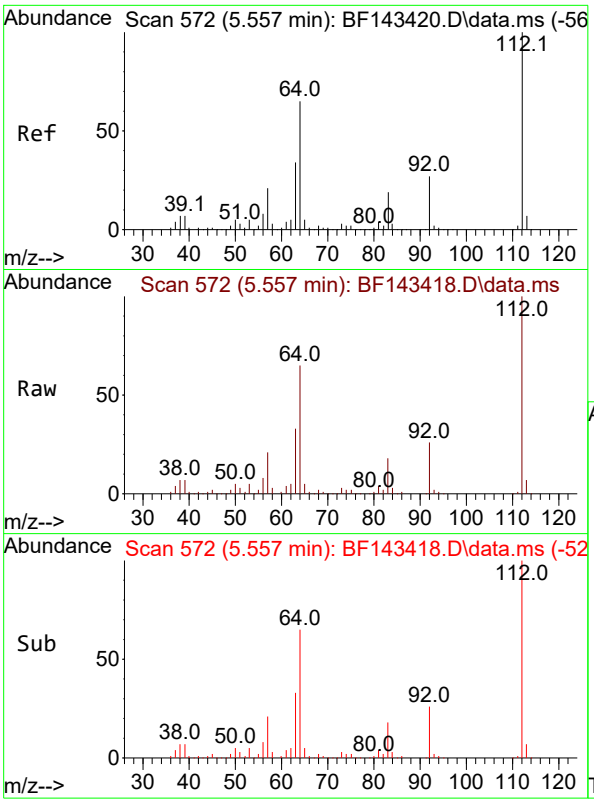


#4
n-Nitrosodimethylamine
Concen: 9.494 ng
RT: 3.434 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 42 Resp: 40435

Ion	Ratio	Lower	Upper
42	100		
74	119.0	96.2	144.4
44	11.3	5.9	8.9#

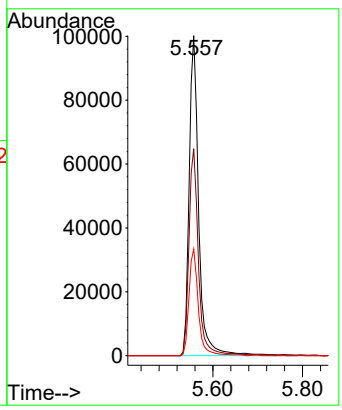




#5
2-Fluorophenol
Concen: 20.328 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:112 Resp: 14754

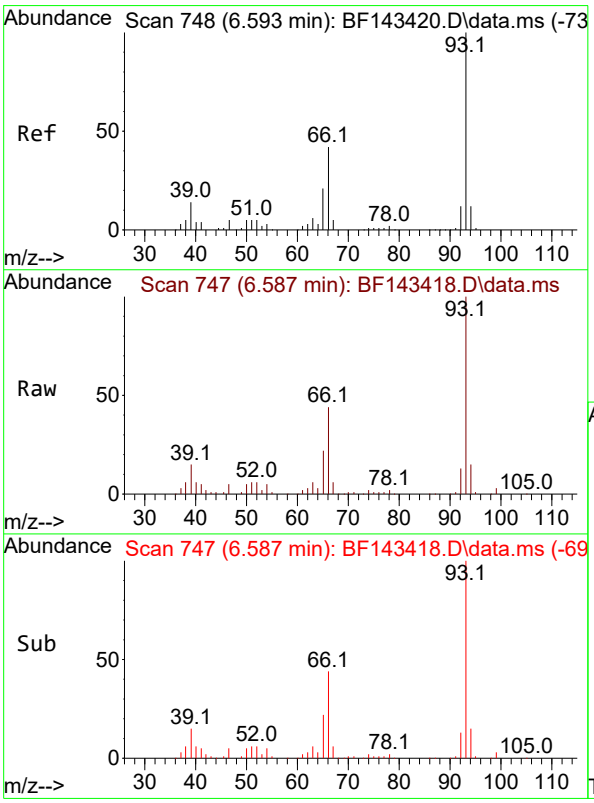
Ion	Ratio	Lower	Upper
112	100		
64	64.7	52.2	78.2
63	33.3	27.0	40.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

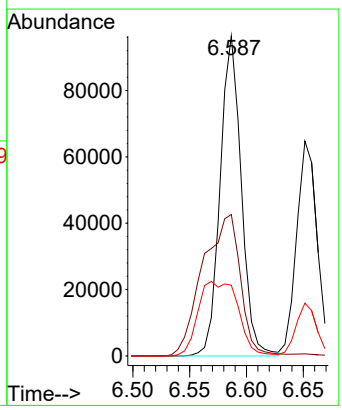
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

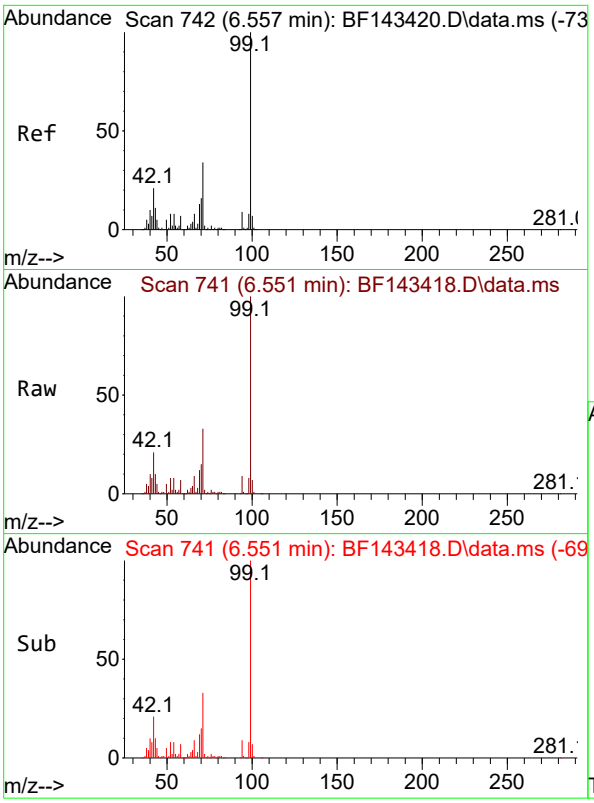


#6
Aniline
Concen: 10.065 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 93 Resp: 124989

Ion	Ratio	Lower	Upper
93	100		
66	44.2	33.8	50.8
65	22.1	17.2	25.8

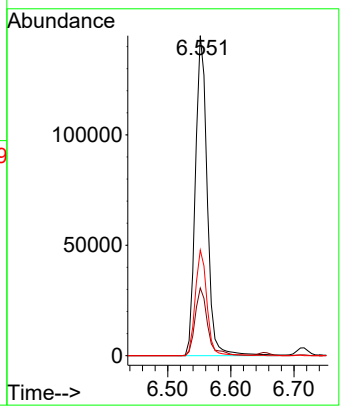




#7
Phenol-d6
Concen: 20.603 ng
RT: 6.551 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 99 Resp: 18845

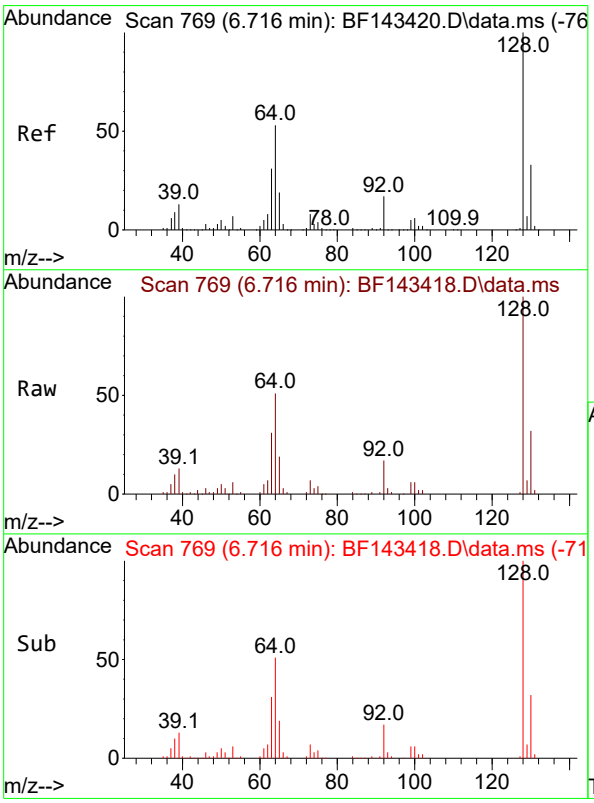
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	33.0	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

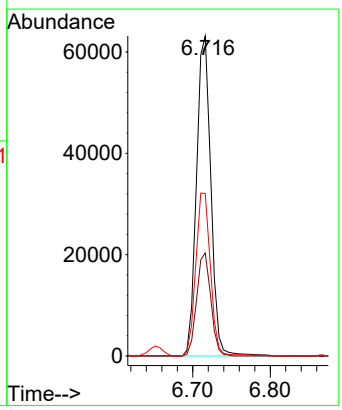
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

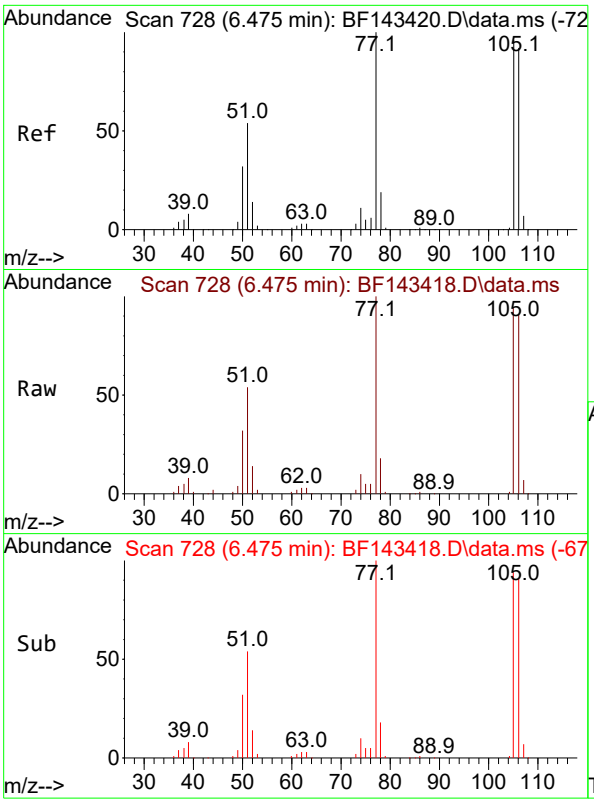


#8
2-Chlorophenol
Concen: 10.156 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:128 Resp: 81382

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	50.8	33.1	73.1

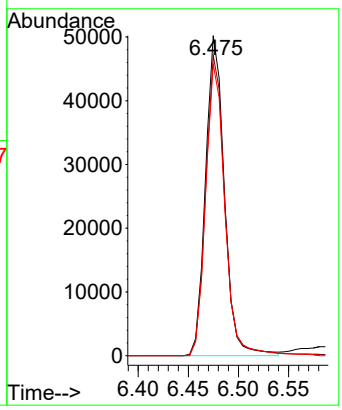




#9
Benzaldehyde
Concen: 13.525 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 77 Resp: 6581

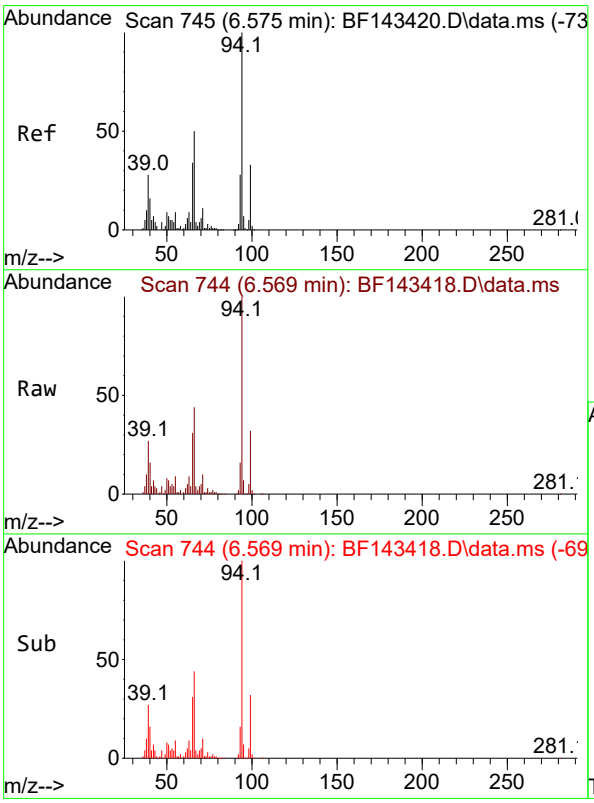
Ion	Ratio	Lower	Upper
77	100		
105	93.8	75.5	115.5
106	91.1	72.0	112.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

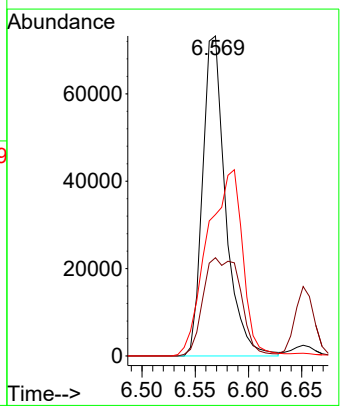
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

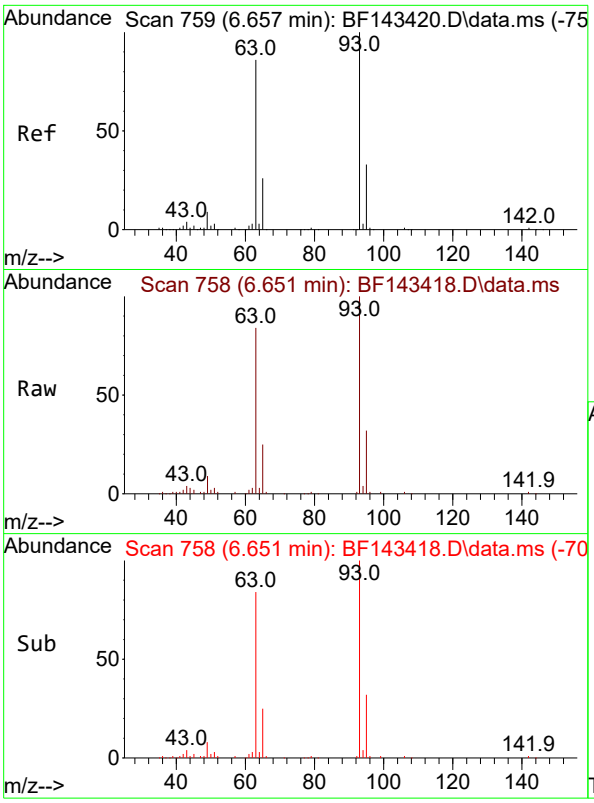


#10
Phenol
Concen: 10.320 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 94 Resp: 110158

Ion	Ratio	Lower	Upper
94	100		
65	30.7	13.7	53.7
66	44.2	30.3	70.3

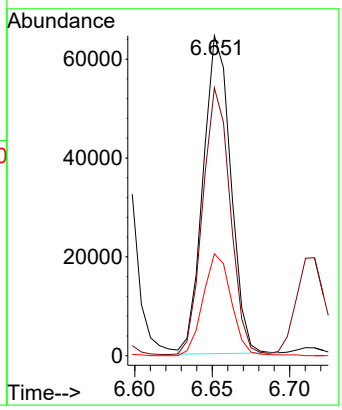




#11
bis(2-Chloroethyl)ether
Concen: 10.079 ng
RT: 6.651 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 93 Resp: 7974

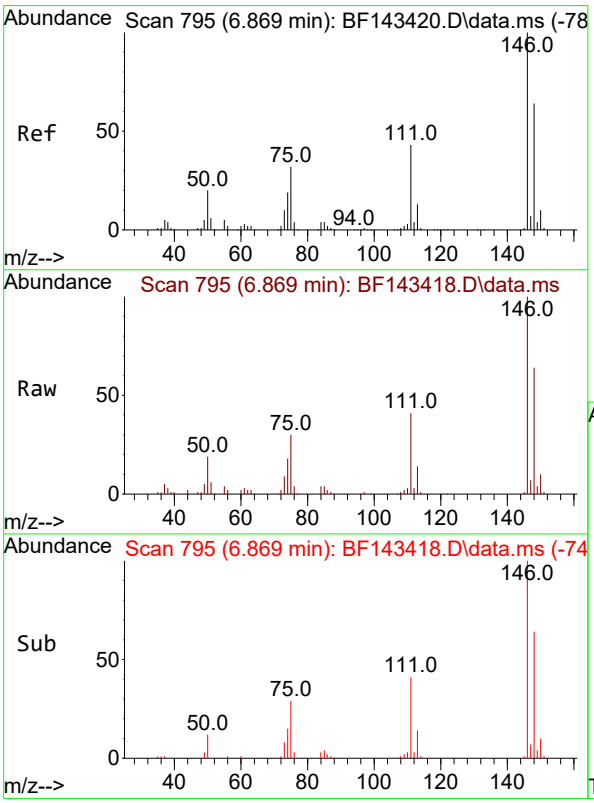
Ion	Ratio	Lower	Upper
93	100		
63	83.7	65.4	105.4
95	31.9	12.8	52.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

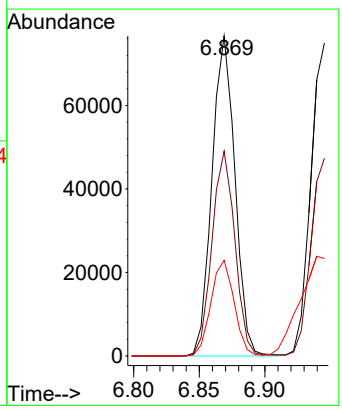
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

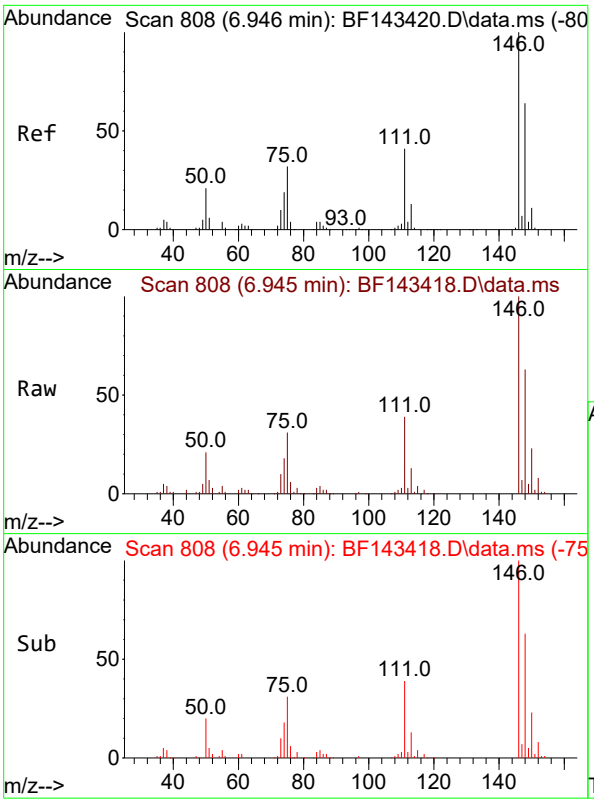


#12
1,3-Dichlorobenzene
Concen: 10.397 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:146 Resp: 93323

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	29.9	25.3	37.9

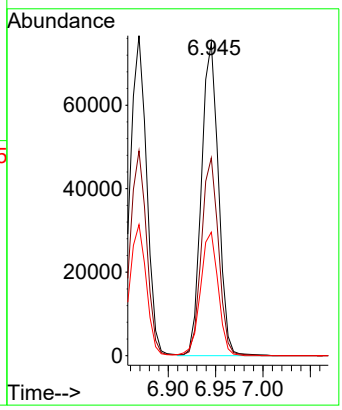




#13
1,4-Dichlorobenzene
Concen: 10.436 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:146 Resp: 9352

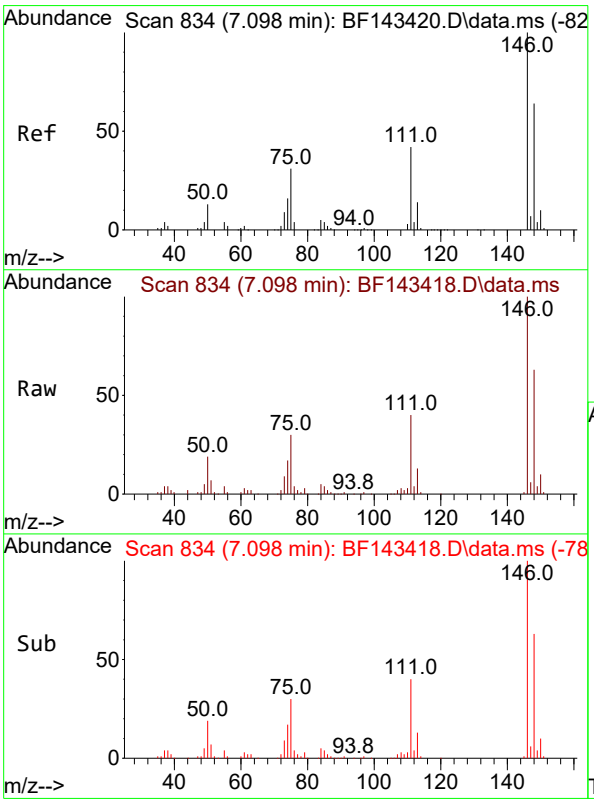
Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.1	76.7
111	39.5	32.5	48.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

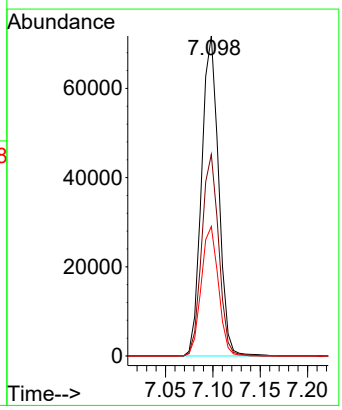
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

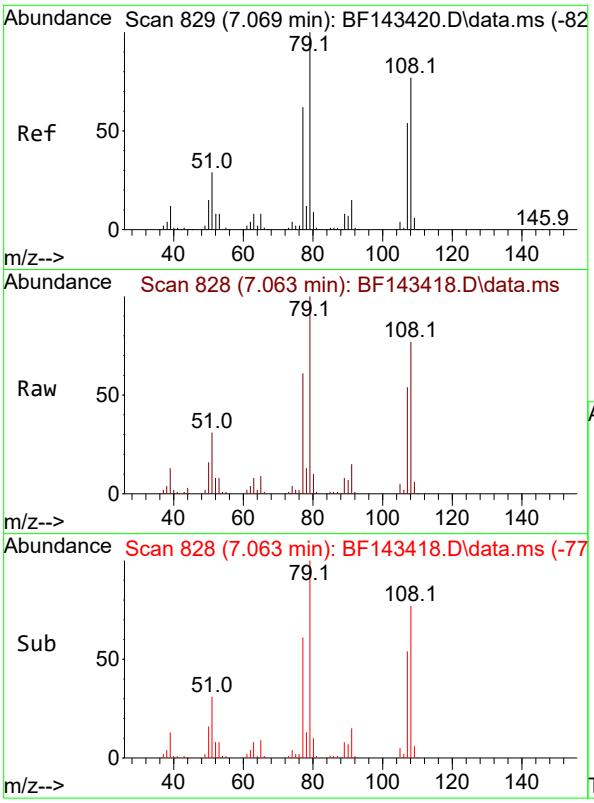


#14
1,2-Dichlorobenzene
Concen: 10.473 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:146 Resp: 89646

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.4	77.0
111	40.4	33.9	50.9





#15
Benzyl Alcohol
Concen: 9.636 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

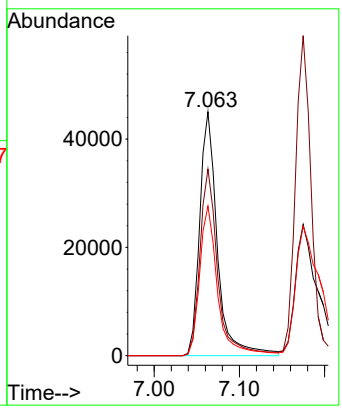
Tgt Ion: 79 Resp: 6499

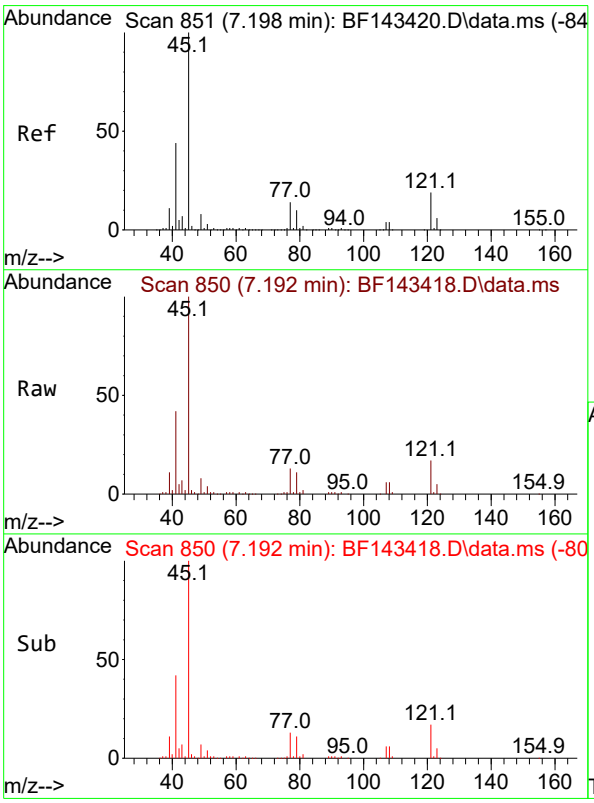
Ion	Ratio	Lower	Upper
79	100		
108	76.5	61.9	92.9
77	61.4	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

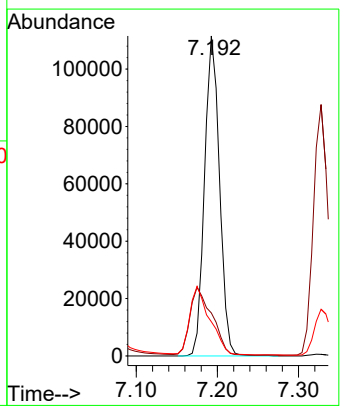


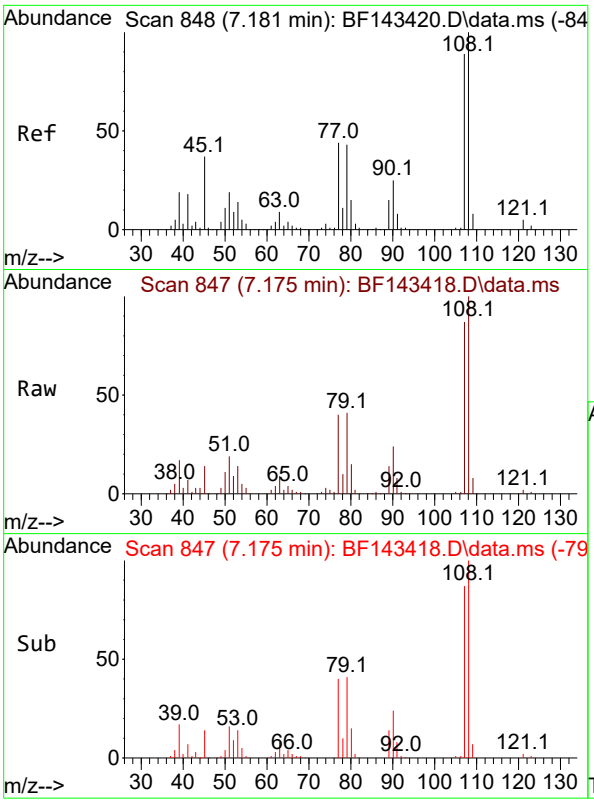


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.537 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 45 Resp: 142528

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.9
79	10.7	0.0	30.7

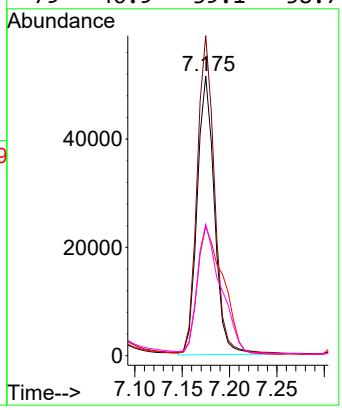




#17
2-Methylphenol
Concen: 10.000 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:107 Resp: 6538

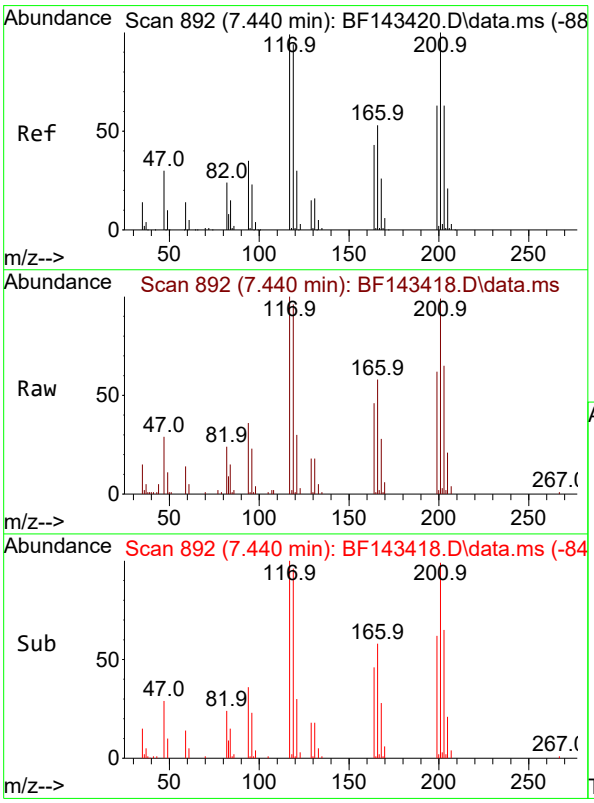
Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.1	135.1
77	46.3	39.9	59.9
79	46.9	39.1	58.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

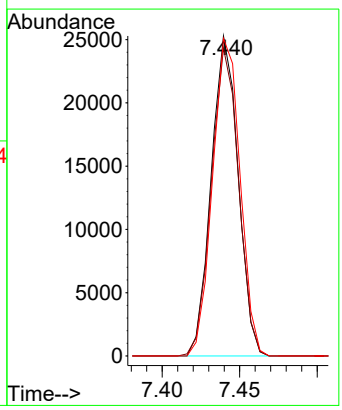
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

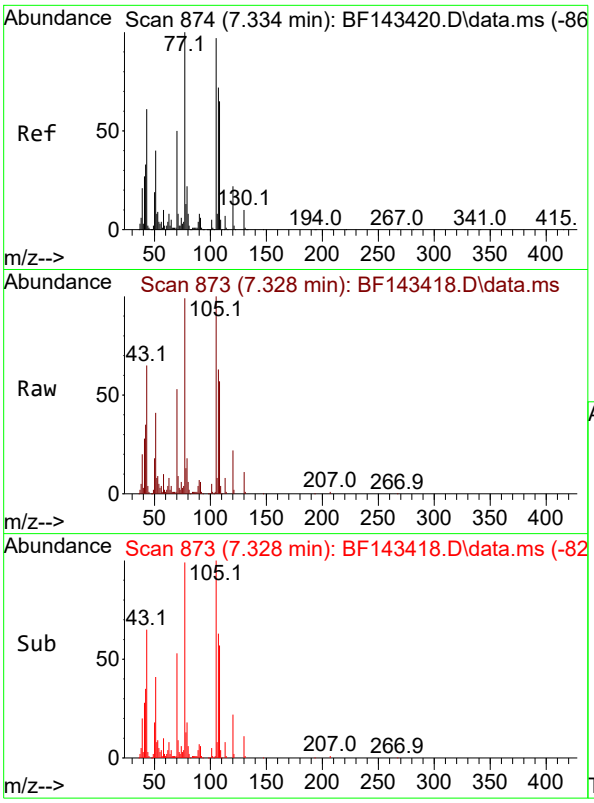


#18
Hexachloroethane
Concen: 10.008 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:117 Resp: 30528

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.6	114.8
201	99.3	81.0	121.4

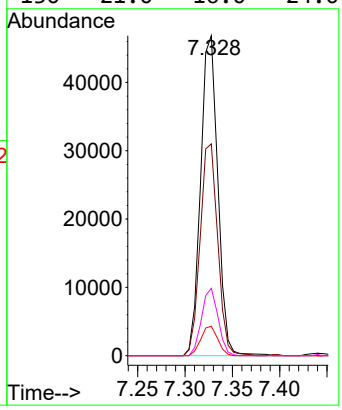




#19
n-Nitroso-di-n-propylamine
Concen: 10.456 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 70 Resp: 5920

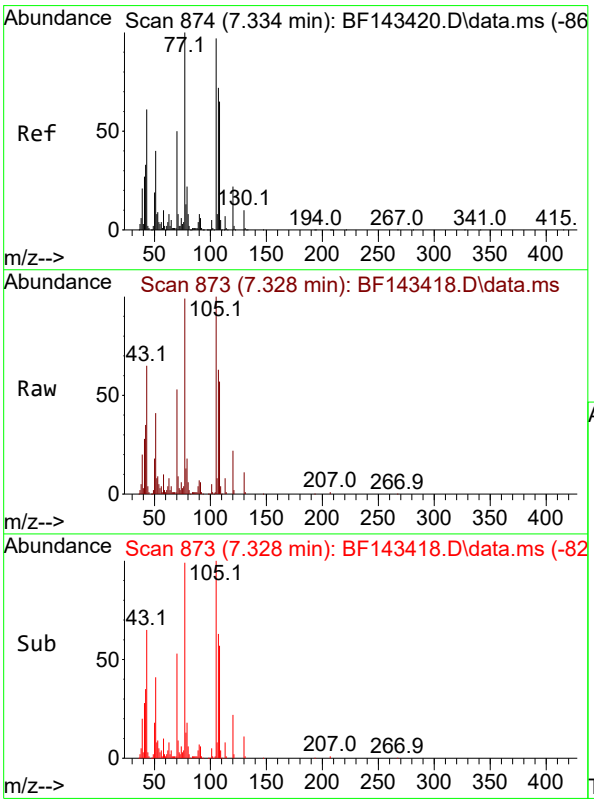
Ion	Ratio	Lower	Upper
70	100		
42	66.2	52.5	78.7
101	9.2	7.9	11.9
130	21.0	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

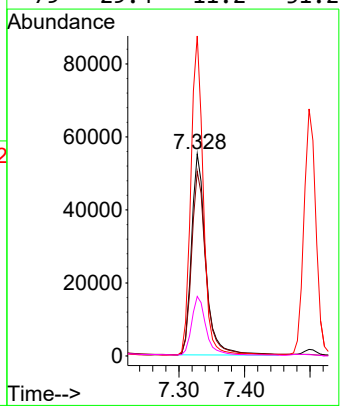
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

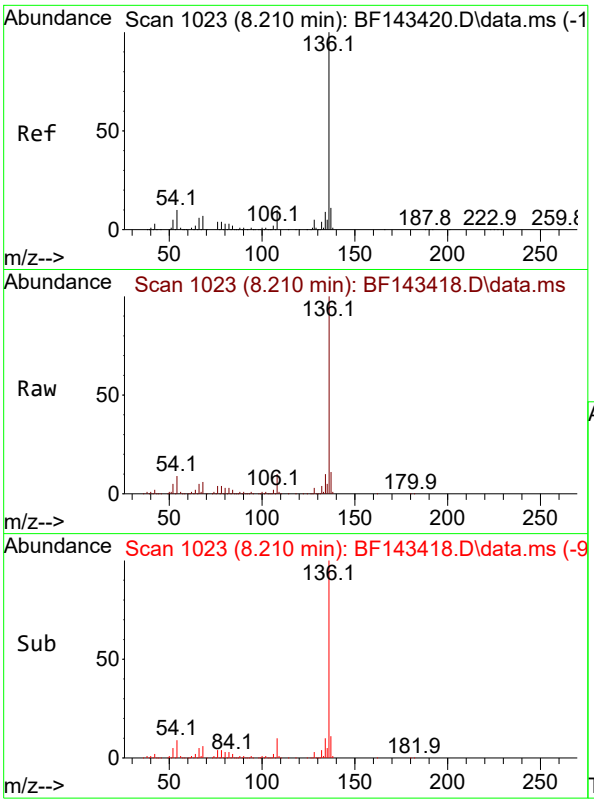


#20
3+4-Methylphenols
Concen: 10.659 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:107 Resp: 83322

Ion	Ratio	Lower	Upper
107	100		
108	91.3	70.8	110.8
77	158.4	119.1	159.1
79	29.4	11.2	51.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

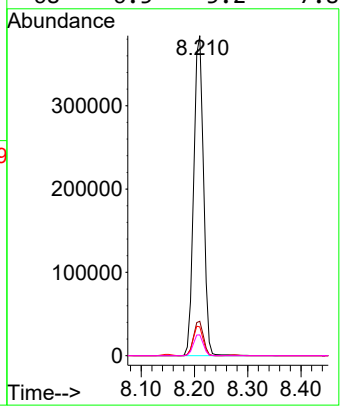
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

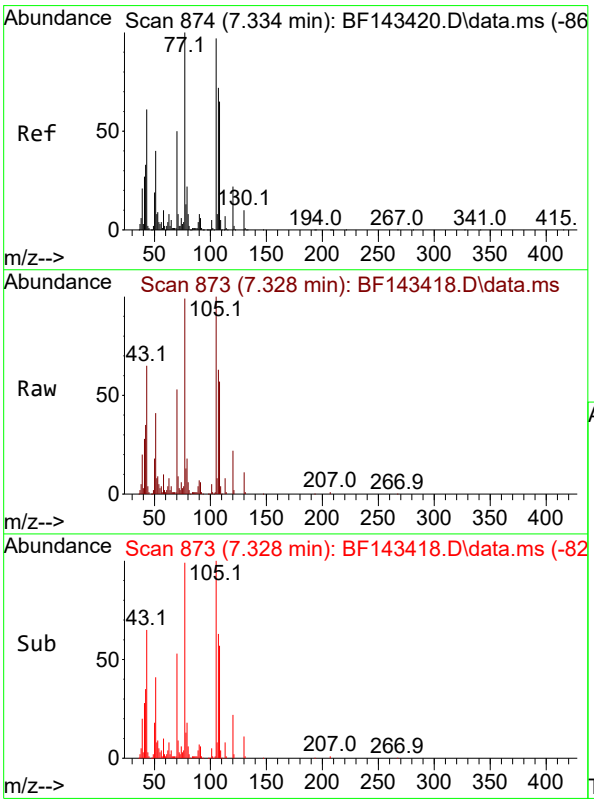
Tgt Ion:136 Resp: 48970

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.0	7.8	11.8
68	6.5	5.2	7.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

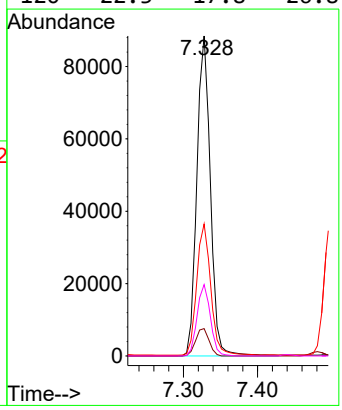


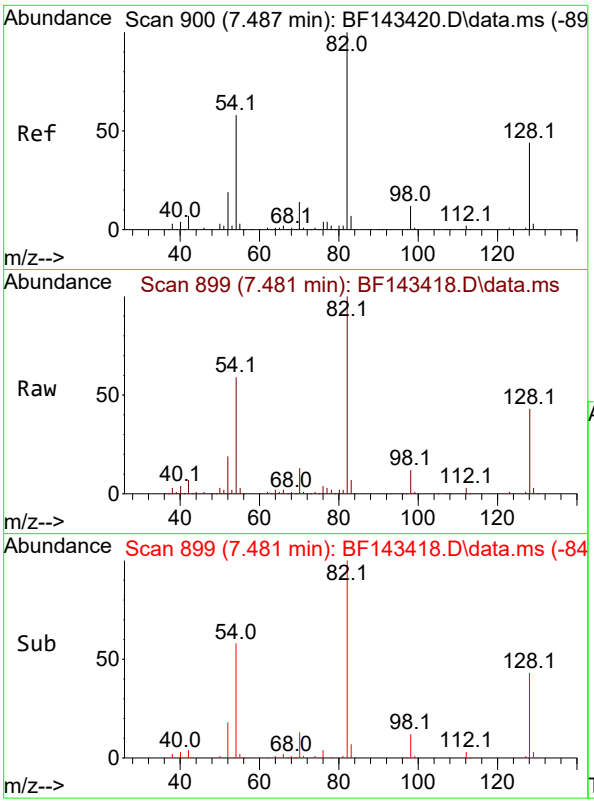


#22
Acetophenone
Concen: 10.672 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:105 Resp: 112365

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.0	10.4
51	41.3	32.7	49.1
120	22.3	17.8	26.8

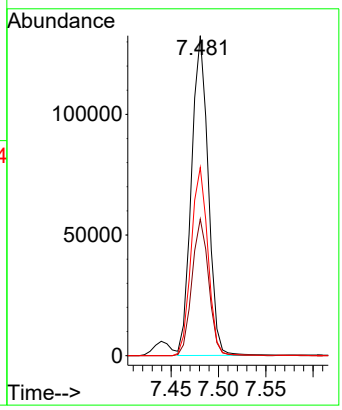




#23
Nitrobenzene-d5
Concen: 19.740 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 82 Resp: 16290

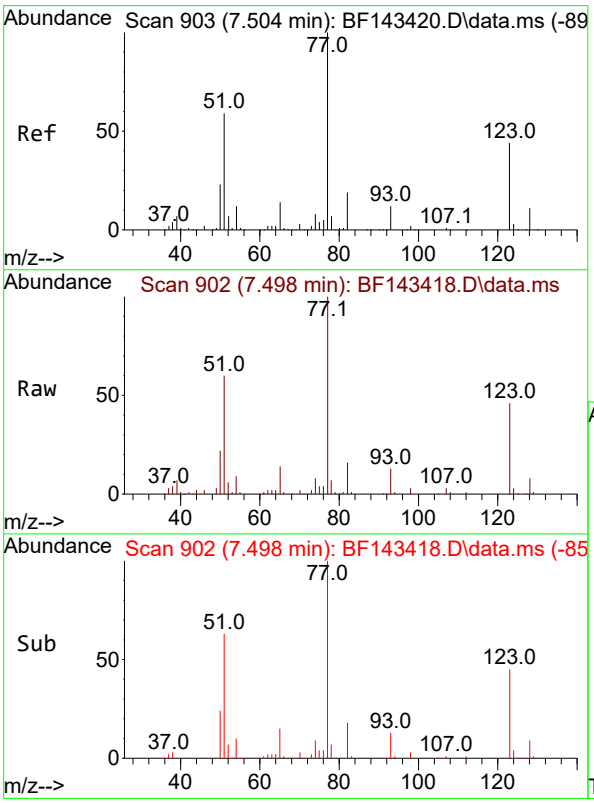
Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	52.0
54	58.8	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

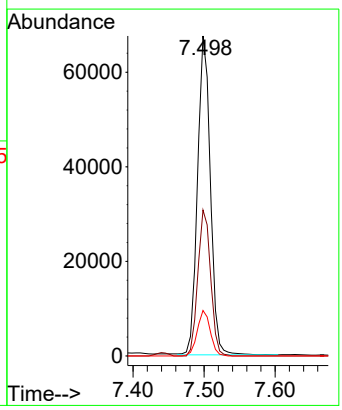
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

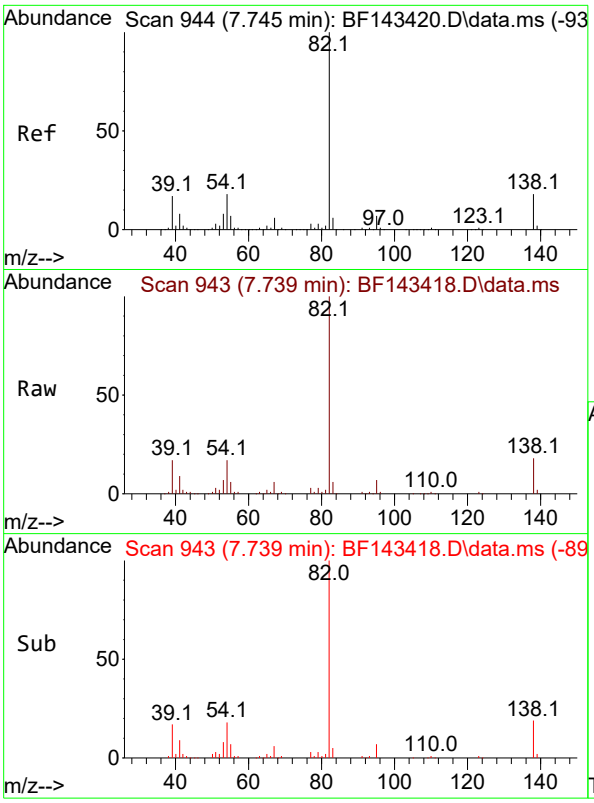


#24
Nitrobenzene
Concen: 9.847 ng
RT: 7.498 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 77 Resp: 84934

Ion	Ratio	Lower	Upper
77	100		
123	45.6	35.4	53.0
65	14.2	11.2	16.8





#25
Isophorone
Concen: 9.956 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

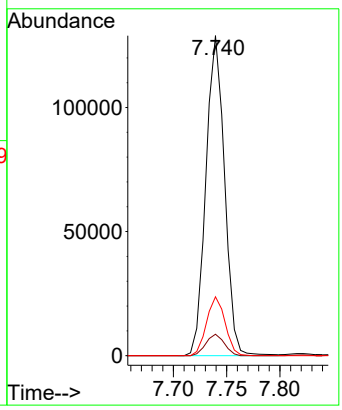
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

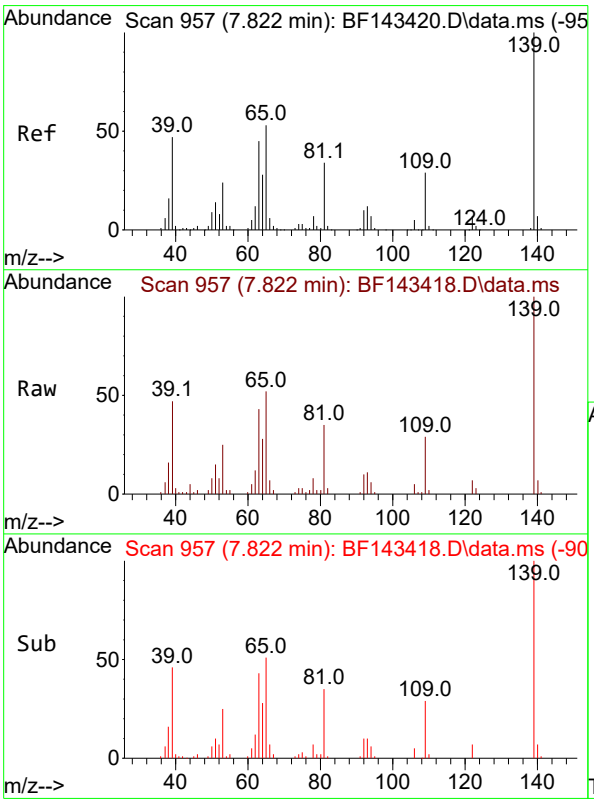
Tgt Ion: 82 Resp: 15725

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.6	8.4
138	18.4	14.3	21.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

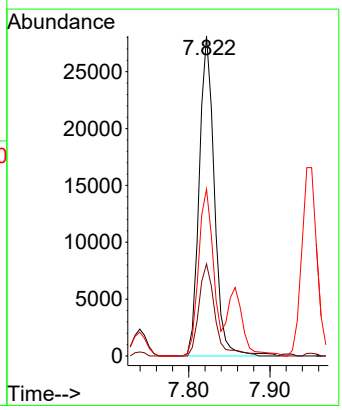


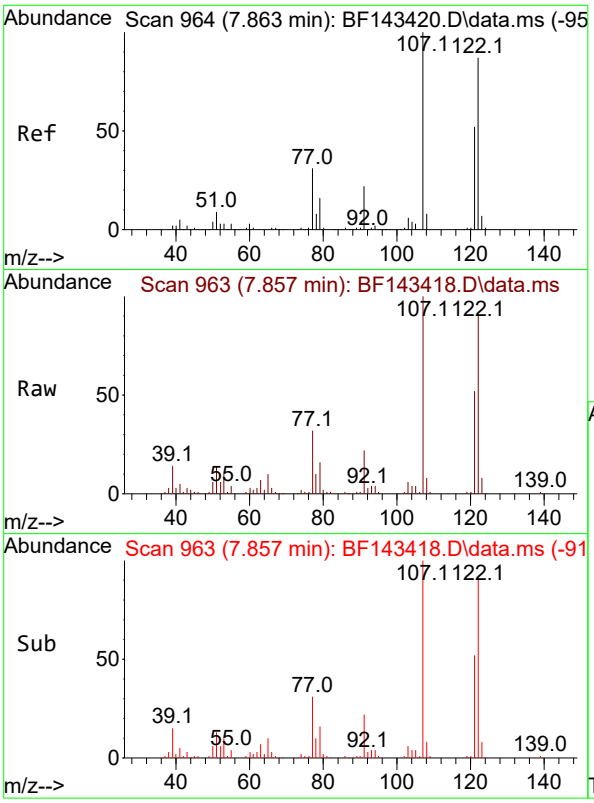


#26
2-Nitrophenol
Concen: 9.127 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:139 Resp: 36495

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.0	34.4
65	52.2	42.5	63.7

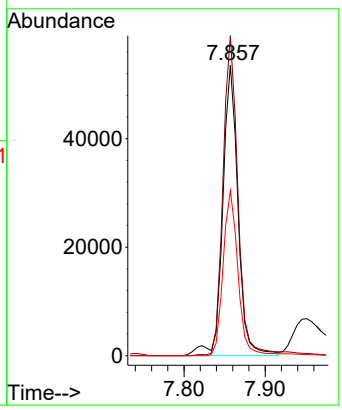




#27
2,4-Dimethylphenol
Concen: 10.368 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:122 Resp: 7009

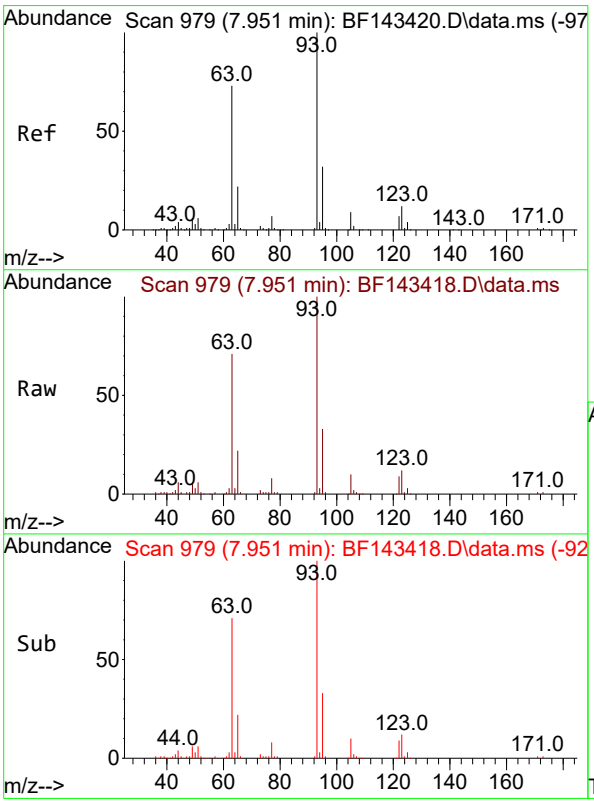
Ion	Ratio	Lower	Upper
122	100		
107	110.1	90.4	135.6
121	56.8	46.7	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

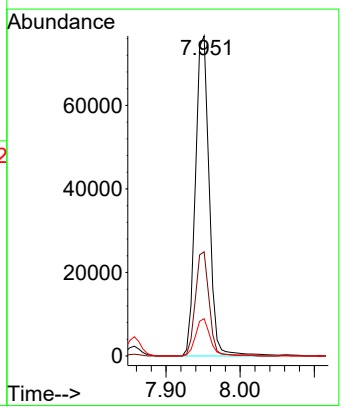
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

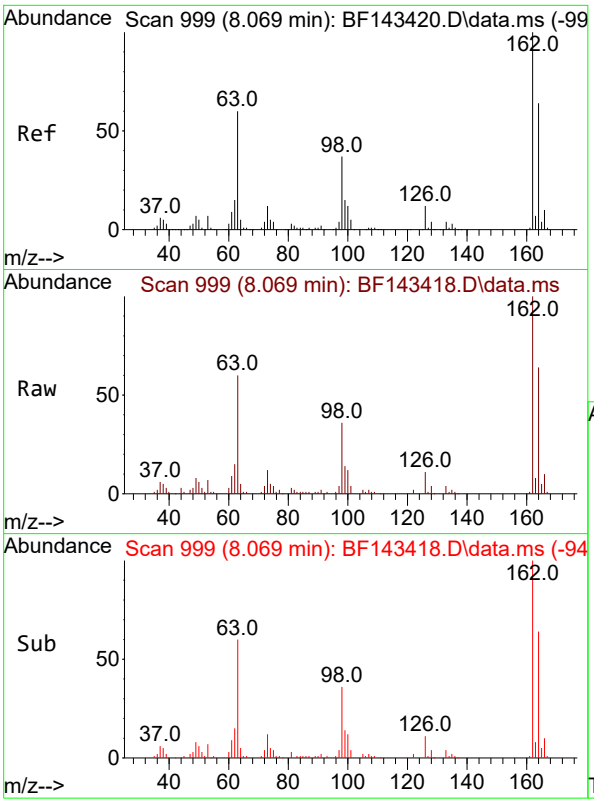


#28
bis(2-Chloroethoxy)methane
Concen: 10.200 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 93 Resp: 99022

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.7	9.5	14.3

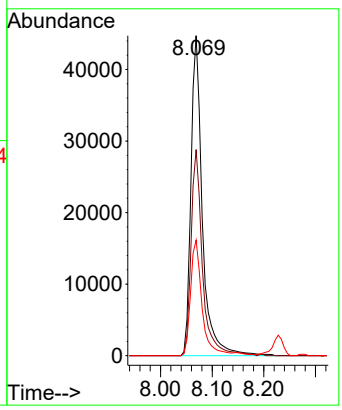




#29
2,4-Dichlorophenol
Concen: 9.987 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:162 Resp: 6882

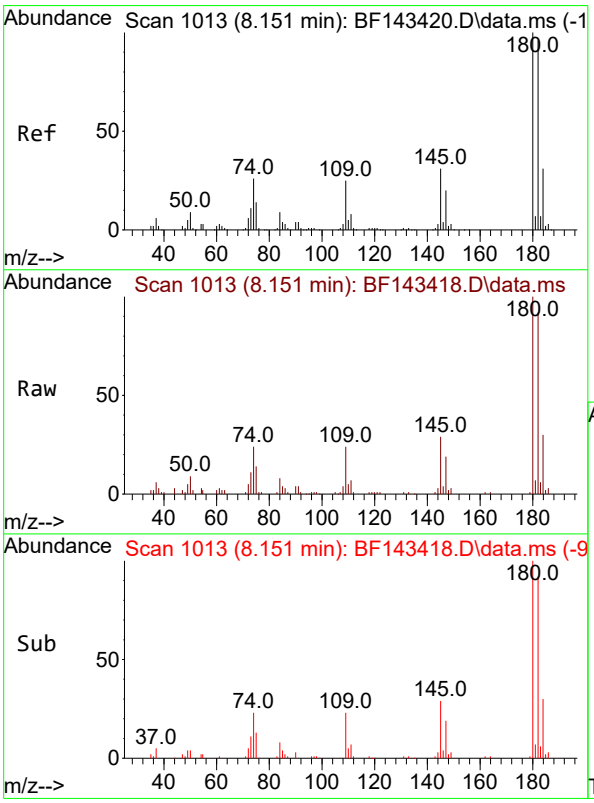
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	36.1	16.9	56.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

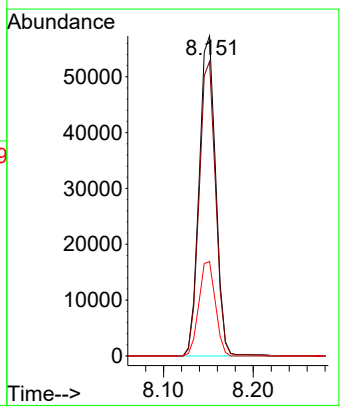
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

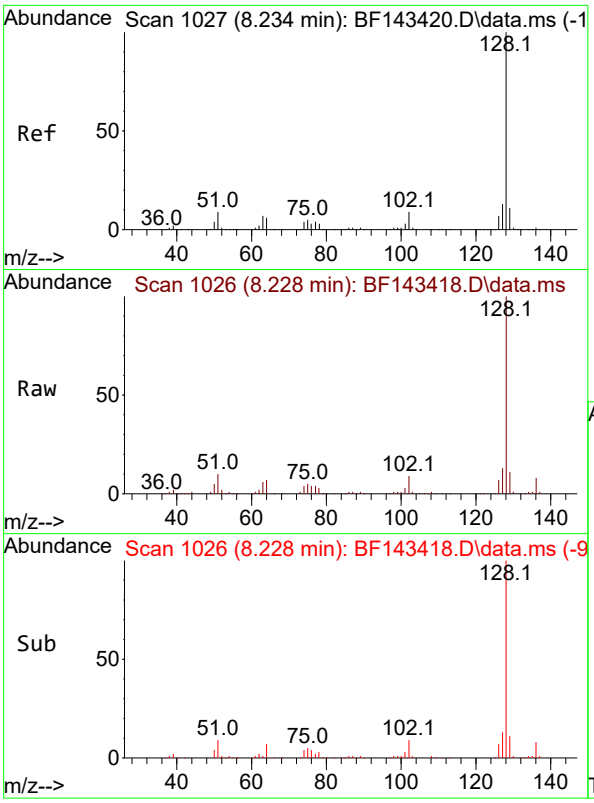


#30
1,2,4-Trichlorobenzene
Concen: 10.349 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:180 Resp: 73076

Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.7	115.1
145	29.5	24.5	36.7





#31
Naphthalene
Concen: 10.394 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

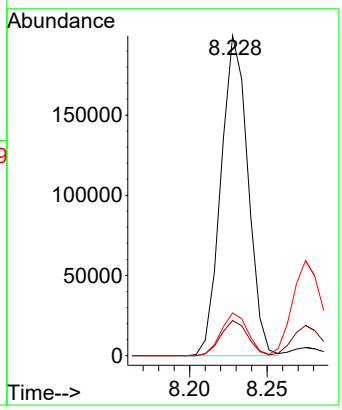
Tgt Ion:128 Resp: 24165

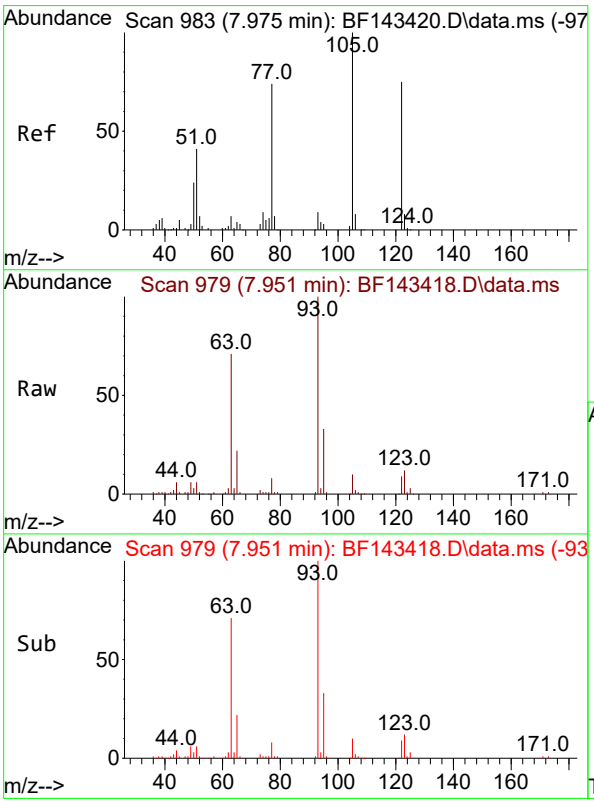
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.4	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

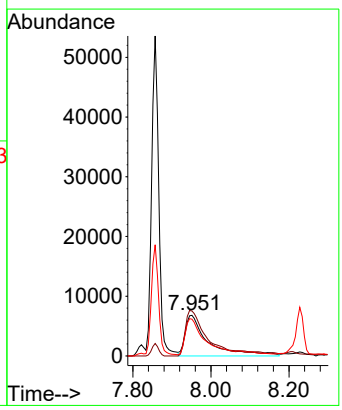


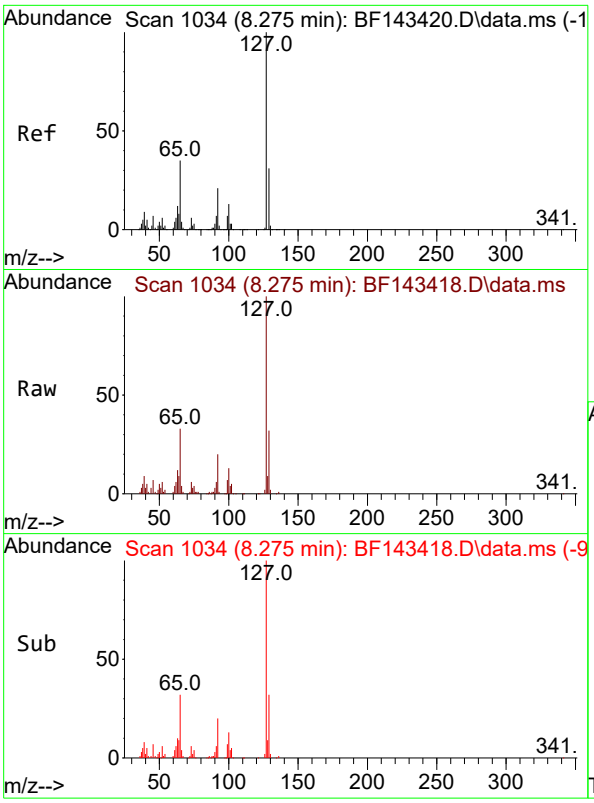


#32
Benzoic acid
Concen: 7.945 ng m
RT: 7.951 min Scan# 979
Delta R.T. -0.024 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:122 Resp: 27803

Ion	Ratio	Lower	Upper
122	100		
105	110.5	108.4	148.4
77	90.7	75.9	115.9

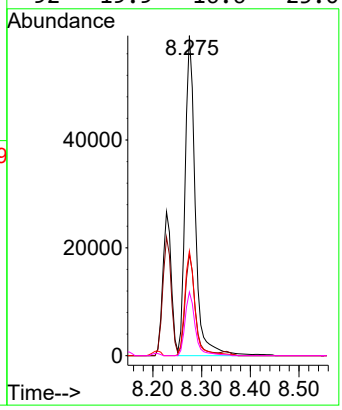




#33
4-Chloroaniline
Concen: 10.258 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:127 Resp: 8608

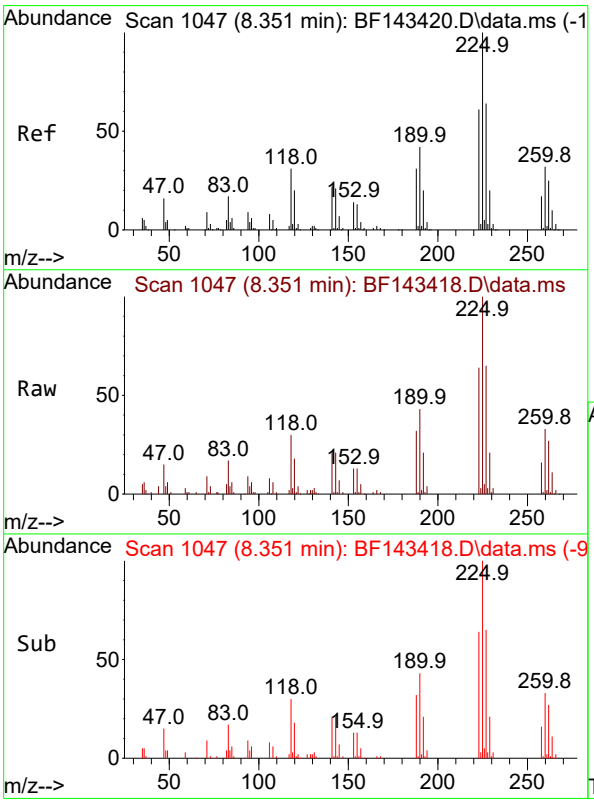
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.8
65	32.7	27.2	40.8
92	19.9	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

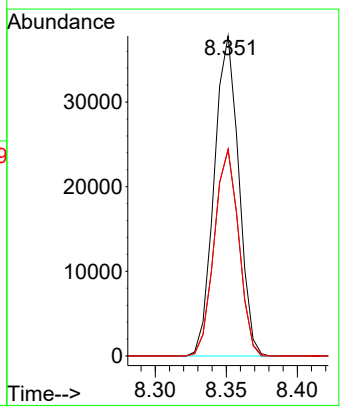
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

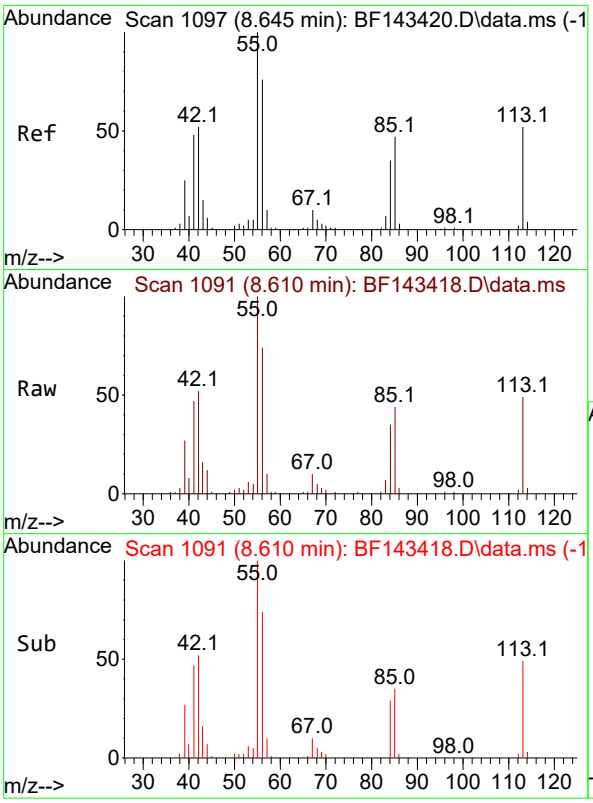


#34
Hexachlorobutadiene
Concen: 10.071 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:225 Resp: 45348

Ion	Ratio	Lower	Upper
225	100		
223	64.4	49.0	73.6
227	64.7	51.1	76.7





#35
Caprolactam
Concen: 9.531 ng
RT: 8.610 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

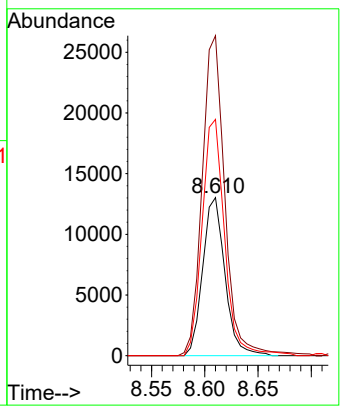
Tgt Ion:113 Resp: 1891

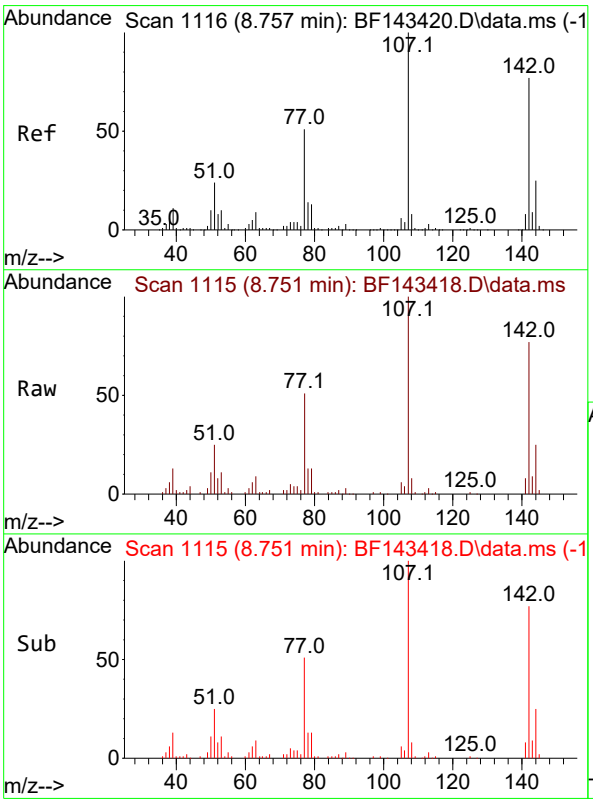
Ion	Ratio	Lower	Upper
113	100		
55	202.4	174.7	214.7
56	149.5	127.0	167.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

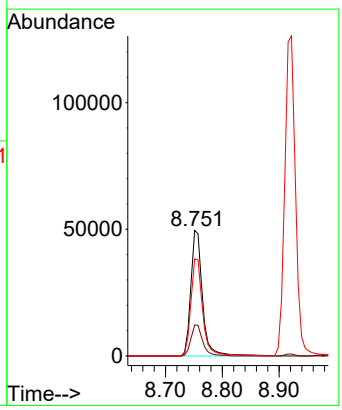


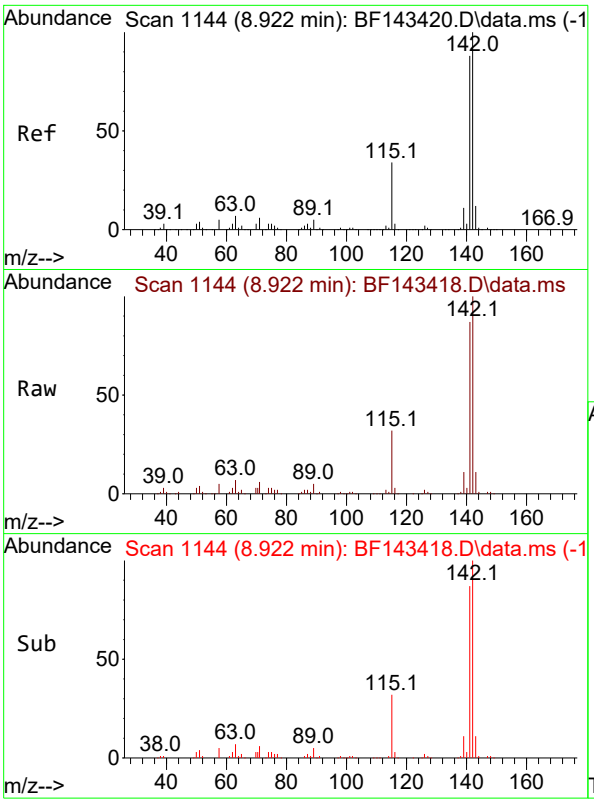


#36
4-Chloro-3-methylphenol
Concen: 10.013 ng
RT: 8.751 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:107 Resp: 71072

Ion	Ratio	Lower	Upper
107	100		
144	24.6	20.2	30.2
142	77.4	62.0	93.0





#37
2-Methylnaphthalene
Concen: 10.598 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

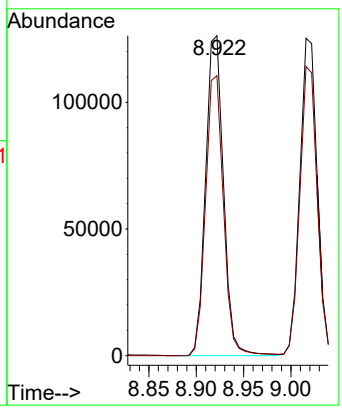
Tgt Ion:142 Resp: 16607

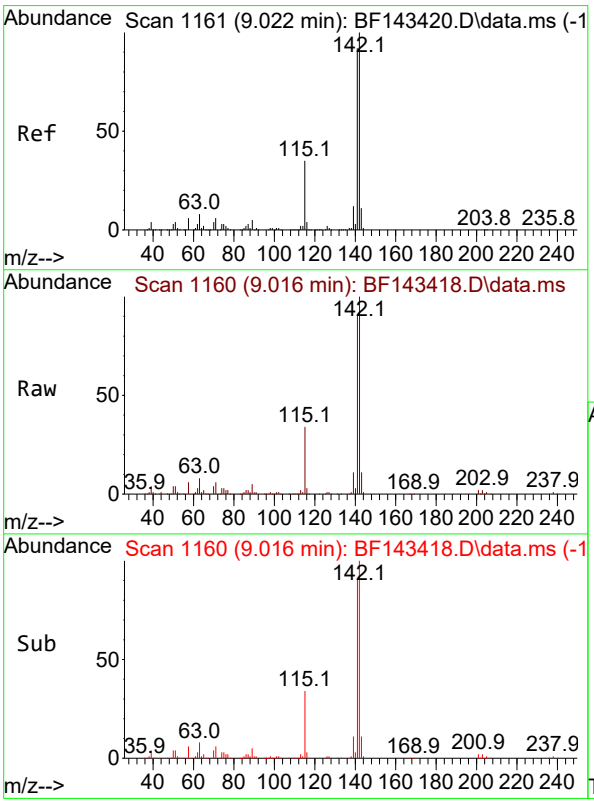
Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

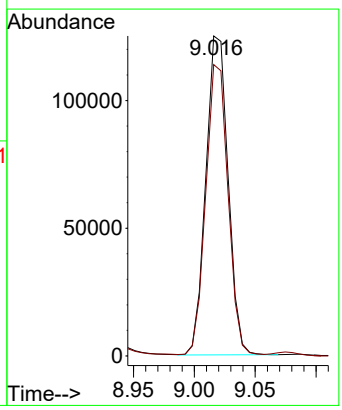


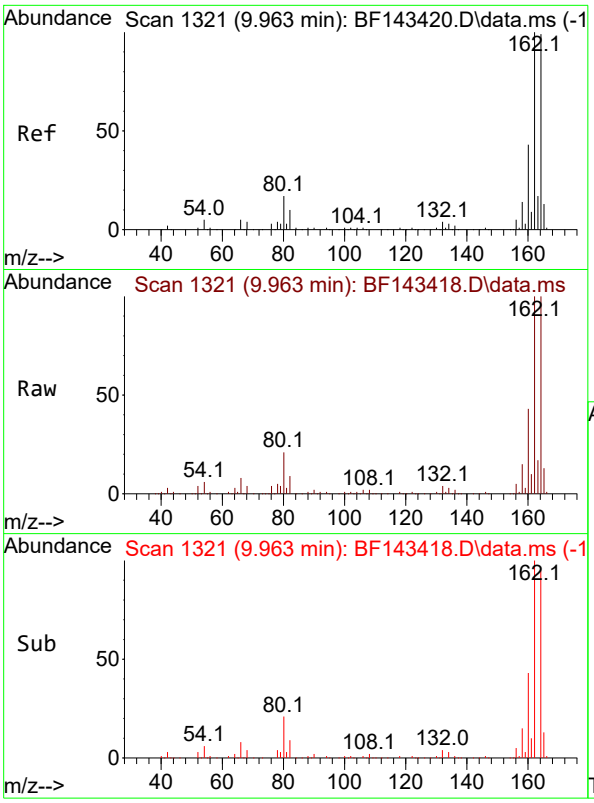


#38
1-Methylnaphthalene
Concen: 10.597 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:142 Resp: 159110

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.8	110.6

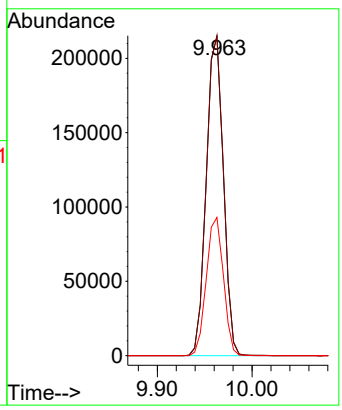




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:164 Resp: 26898

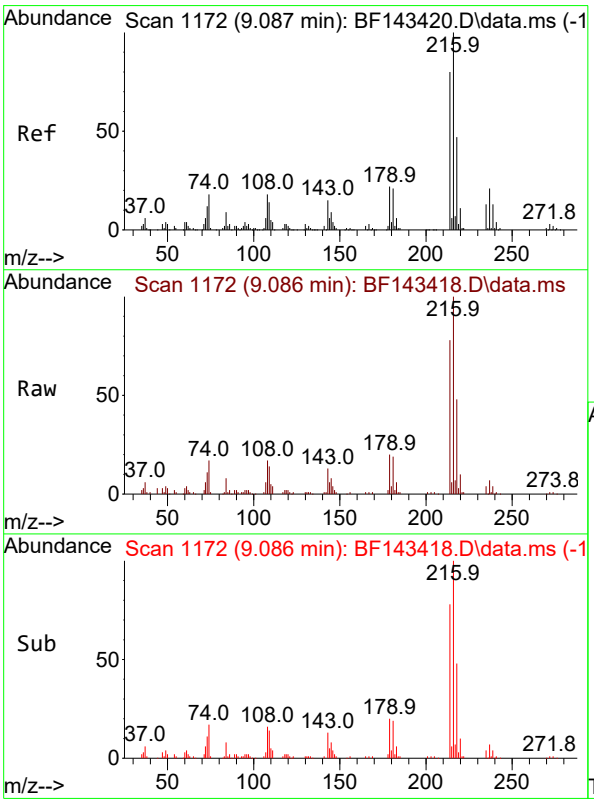
Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	121.0
160	43.3	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

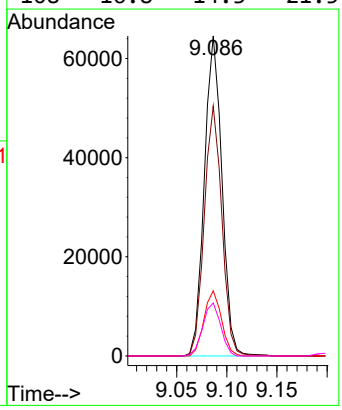
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

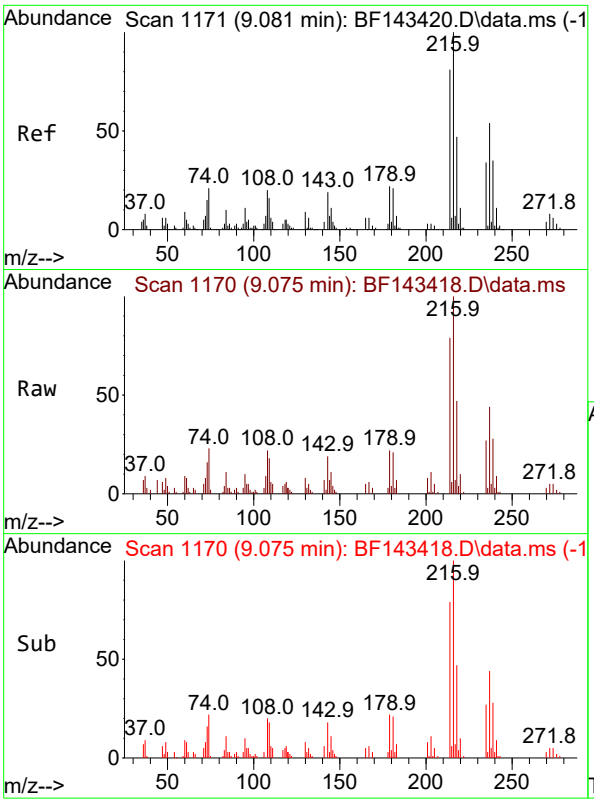


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.523 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:216 Resp: 78936

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.7	95.5
179	20.3	17.0	25.4
108	16.8	14.3	21.5





#41
Hexachlorocyclopentadiene
Concen: 10.597 ng
RT: 9.075 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

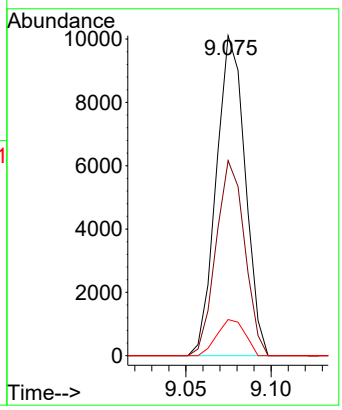
Tgt Ion:237 Resp: 1193

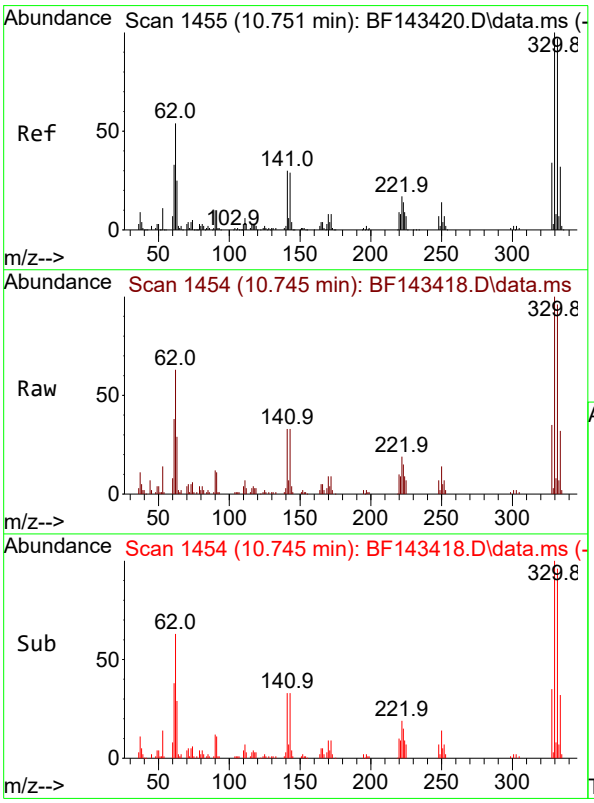
Ion	Ratio	Lower	Upper
237	100		
235	60.9	41.6	81.6
272	11.3	0.0	33.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

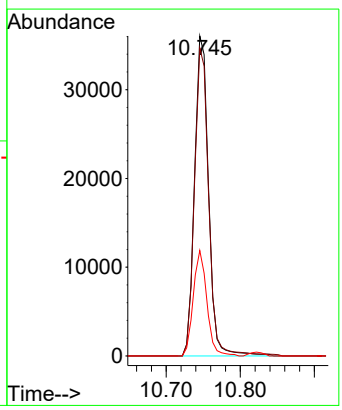


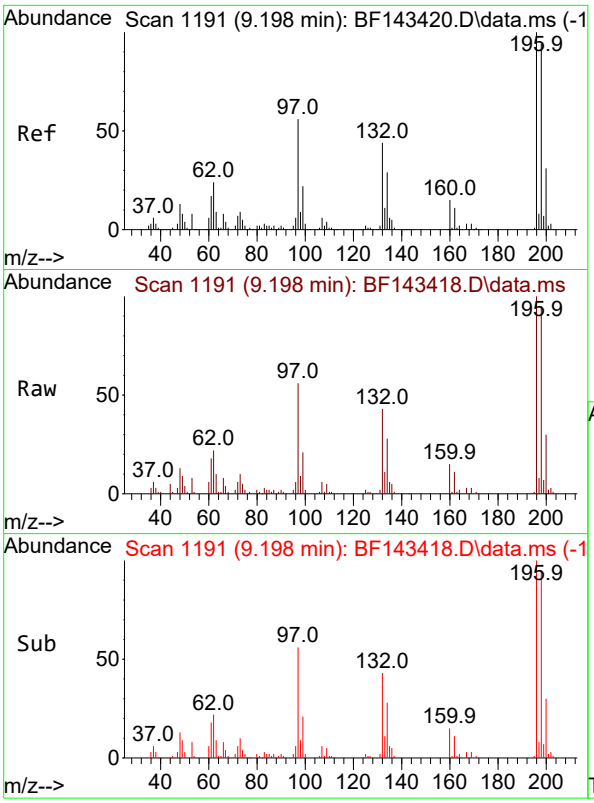


#42
2,4,6-Tribromophenol
Concen: 19.817 ng
RT: 10.745 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:330 Resp: 47446

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.4	116.2
141	31.9	24.1	36.1

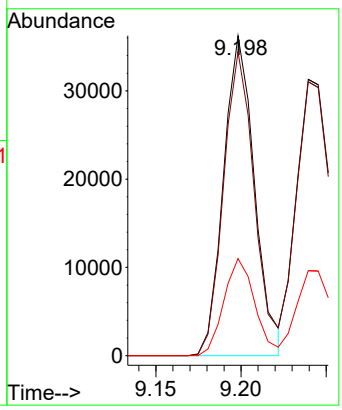




#43
2,4,6-Trichlorophenol
Concen: 9.798 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:196 Resp: 4585

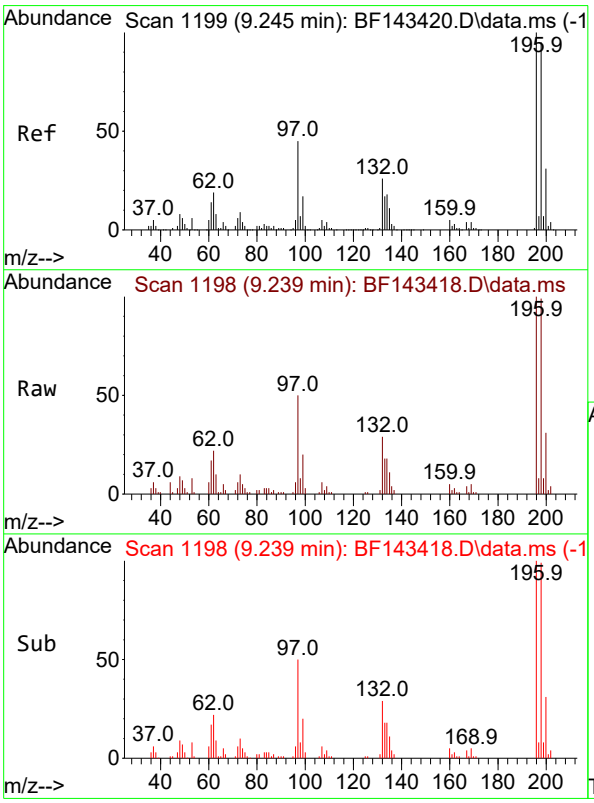
Ion	Ratio	Lower	Upper
196	100		
198	94.9	75.4	113.2
200	30.3	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

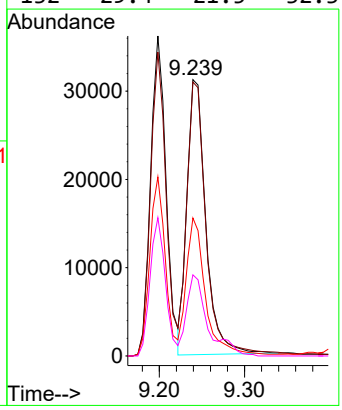
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

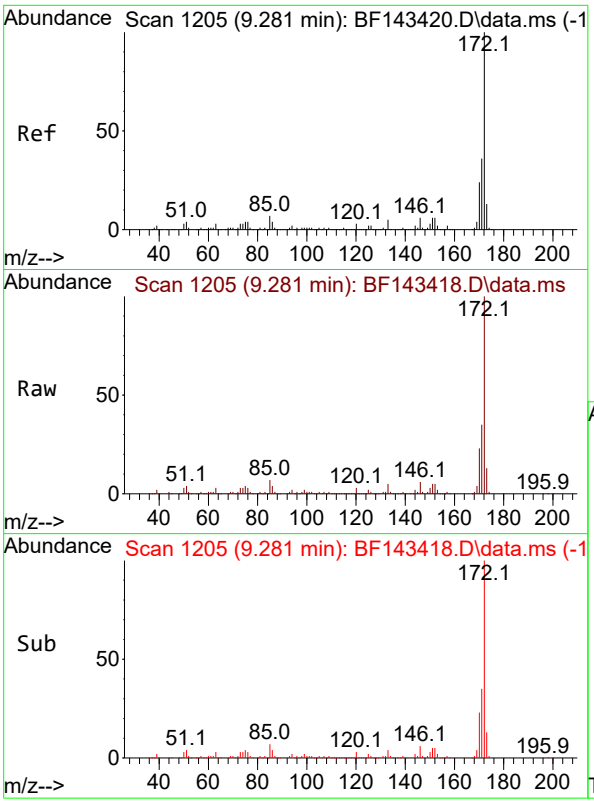


#44
2,4,5-Trichlorophenol
Concen: 9.588 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:196 Resp: 48096

Ion	Ratio	Lower	Upper
196	100		
198	99.1	76.2	114.4
97	49.9	36.6	55.0
132	29.4	21.5	32.3

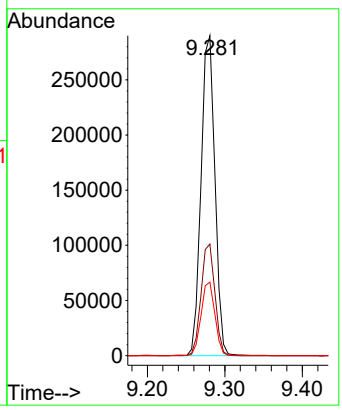




#45
2-Fluorobiphenyl
Concen: 22.534 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:172 Resp: 36036

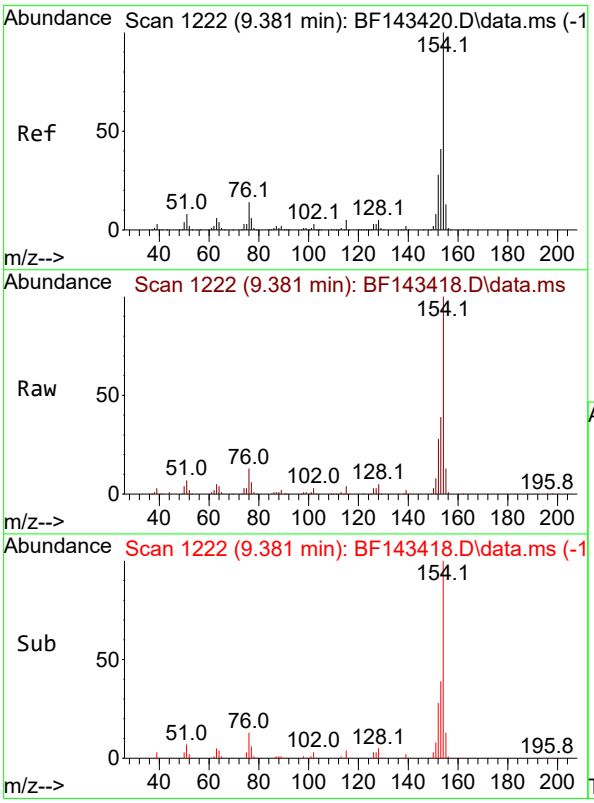
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.7	43.1
170	23.0	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

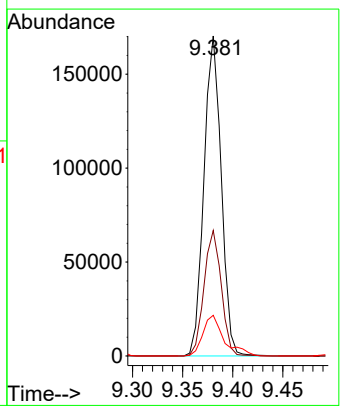
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

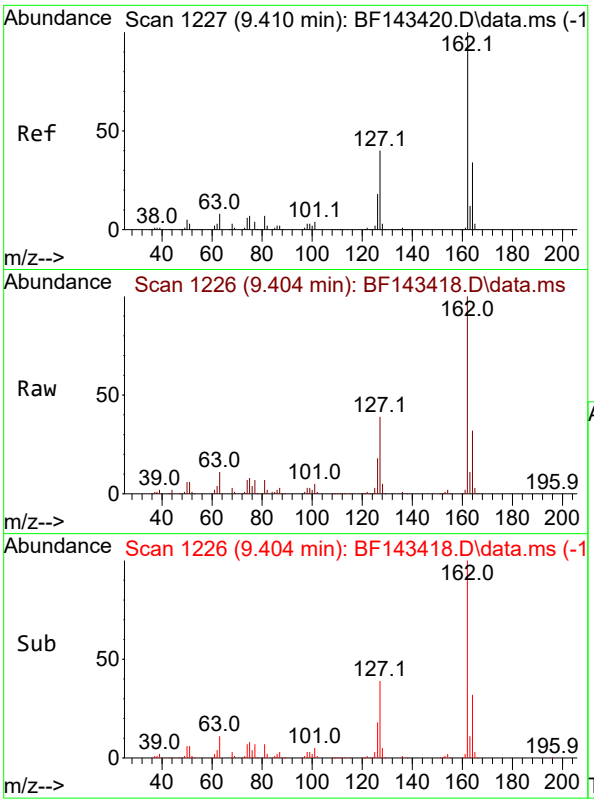


#46
1,1'-Biphenyl
Concen: 10.843 ng
RT: 9.381 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:154 Resp: 204923

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.6	60.6
76	12.7	0.0	33.8

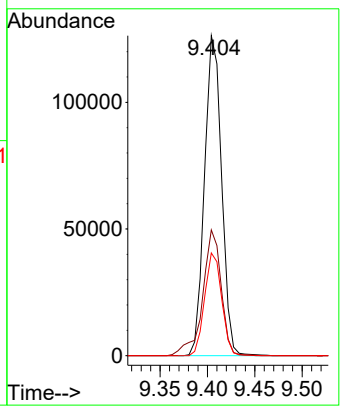




#47
2-Chloronaphthalene
Concen: 10.585 ng
RT: 9.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:162 Resp: 15790

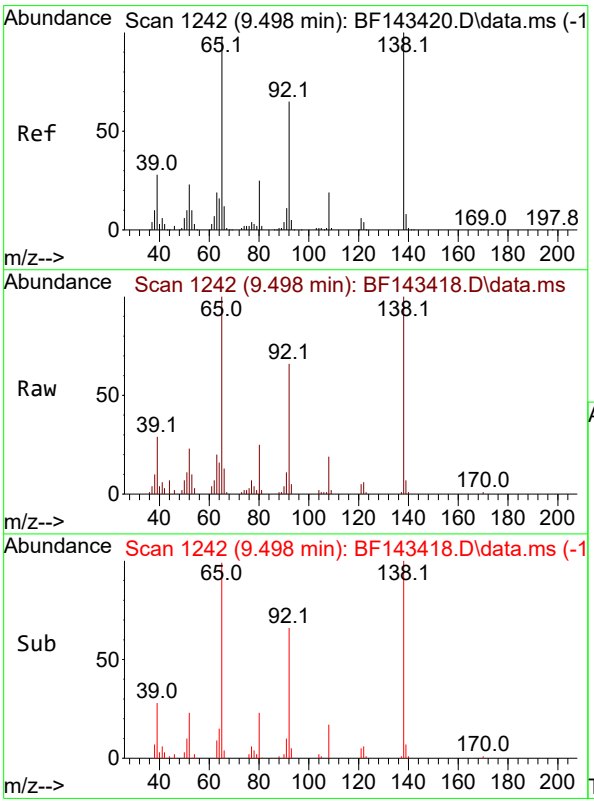
Ion	Ratio	Lower	Upper
162	100		
127	39.3	32.3	48.5
164	32.1	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

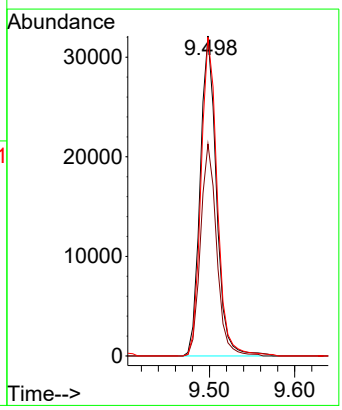
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

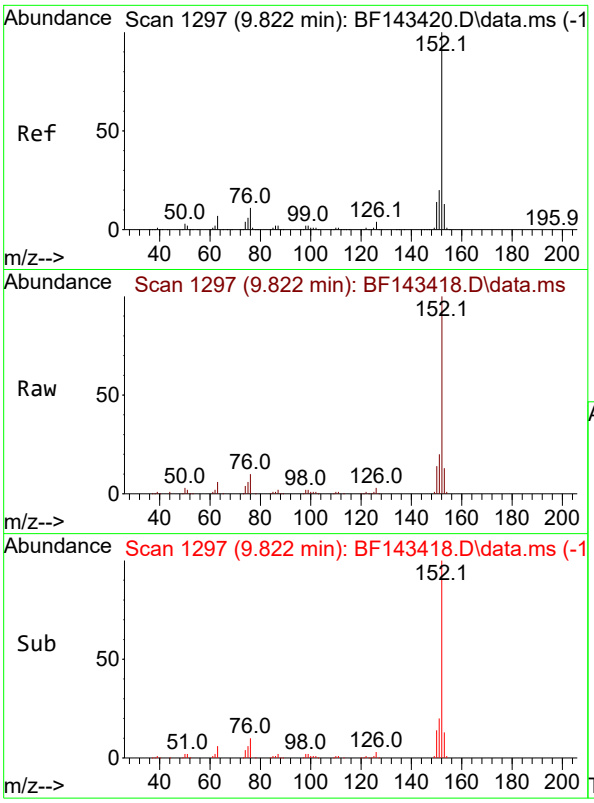


#48
2-Nitroaniline
Concen: 9.597 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 65 Resp: 42604

Ion	Ratio	Lower	Upper
65	100		
92	66.2	52.9	79.3
138	99.6	81.3	121.9

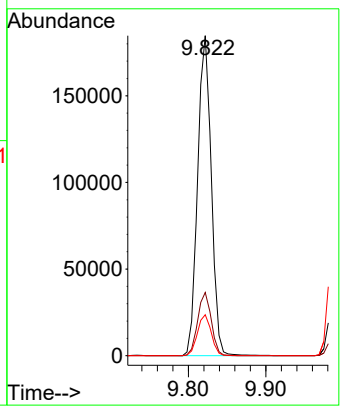




#49
Acenaphthylene
Concen: 10.488 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:152 Resp: 22590

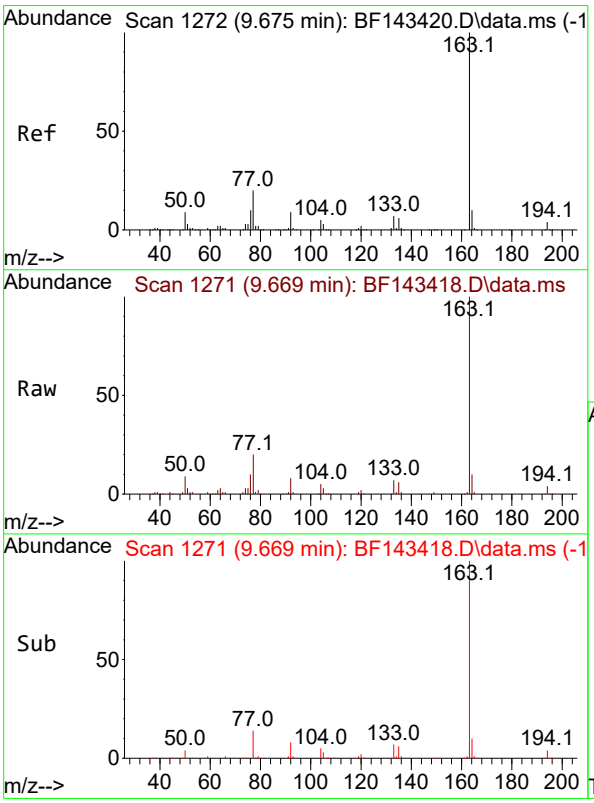
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	12.8	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

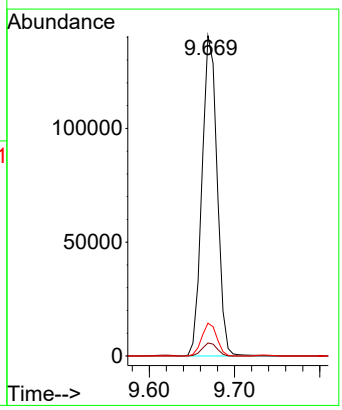
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

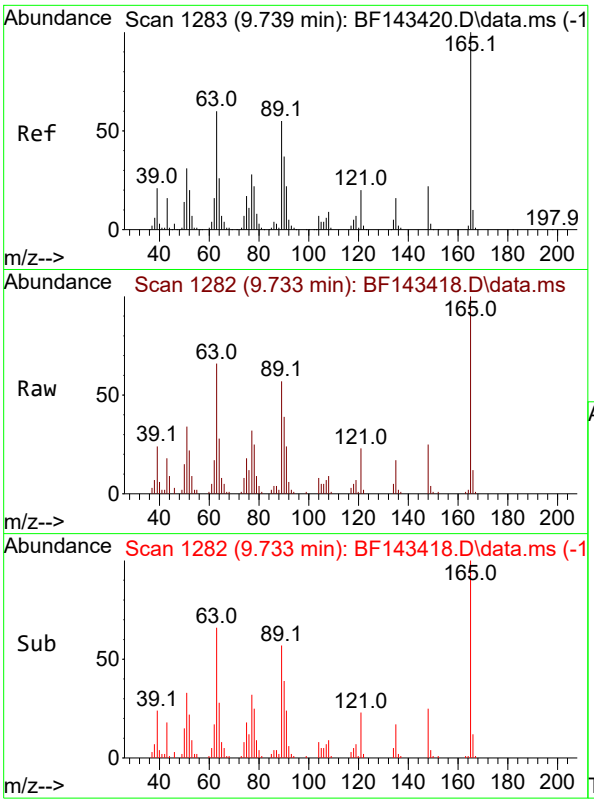


#50
Dimethylphthalate
Concen: 10.371 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:163 Resp: 173912

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.3	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 9.150 ng
RT: 9.733 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

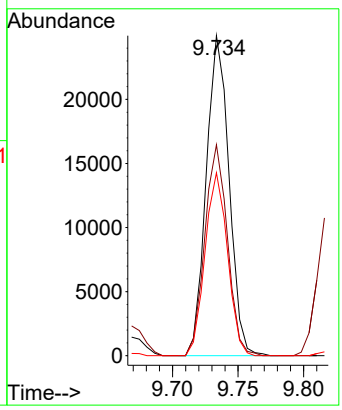
Tgt Ion:165 Resp: 3024

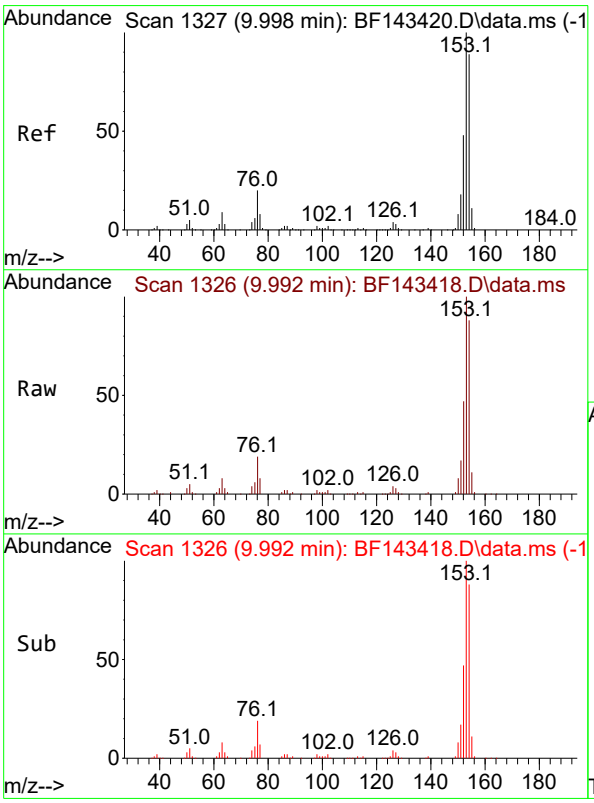
Ion	Ratio	Lower	Upper
165	100		
63	65.9	48.2	72.2
89	57.2	44.2	66.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

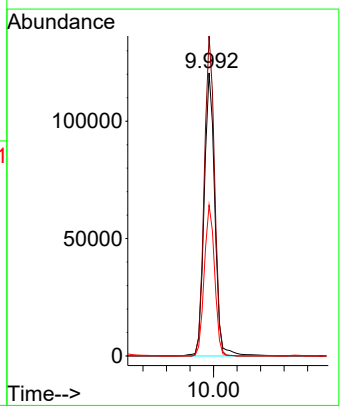


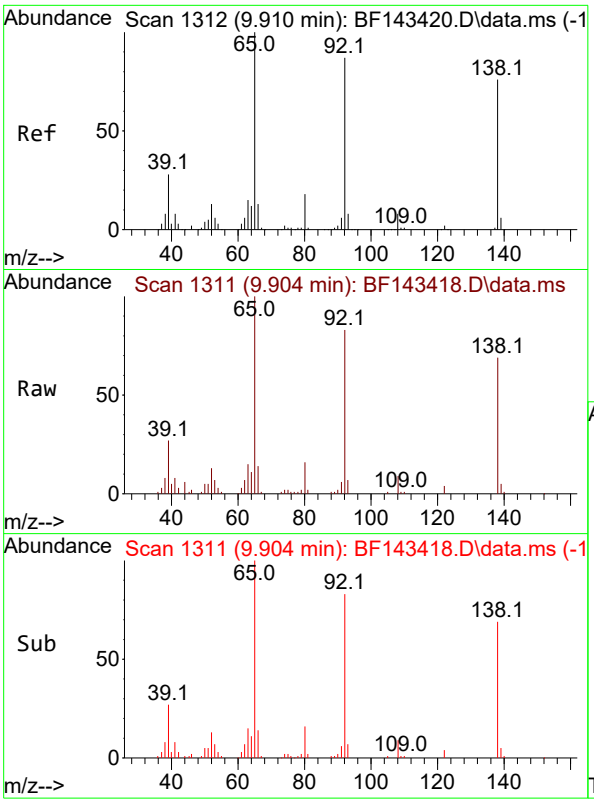


#52
Acenaphthene
Concen: 10.454 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:154 Resp: 151452

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.5	134.3
152	53.3	42.6	64.0





#53
3-Nitroaniline
Concen: 9.547 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

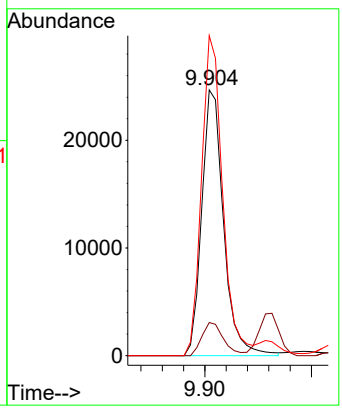
Tgt Ion:138 Resp: 3515

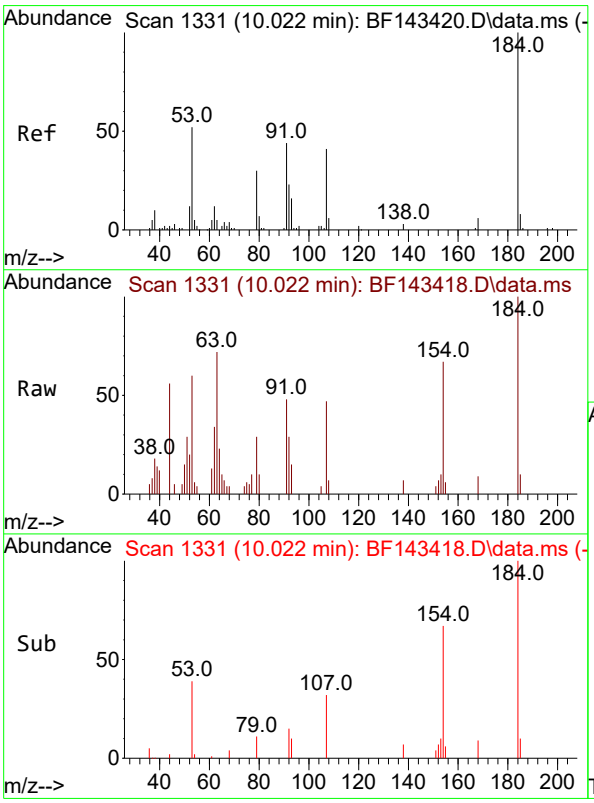
Ion	Ratio	Lower	Upper
138	100		
108	12.4	8.7	13.1
92	120.4	91.4	137.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

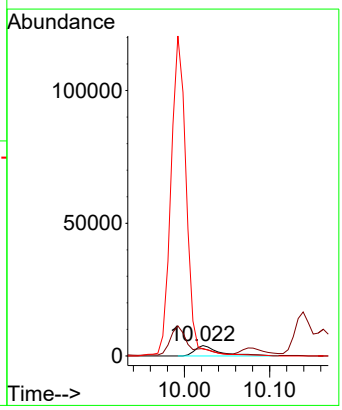


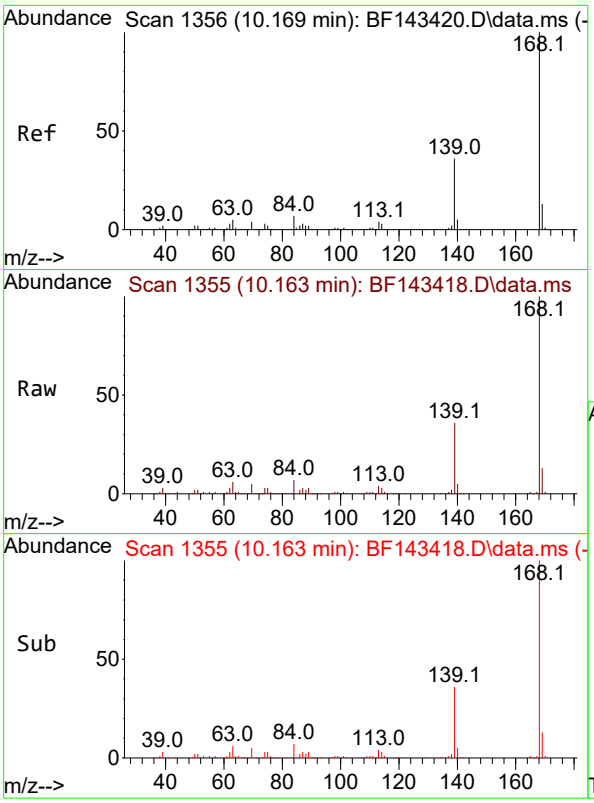


#54
2,4-Dinitrophenol
Concen: 10.543 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:184 Resp: 7904

Ion	Ratio	Lower	Upper
184	100		
63	71.6	53.2	79.8
154	67.2	51.3	76.9

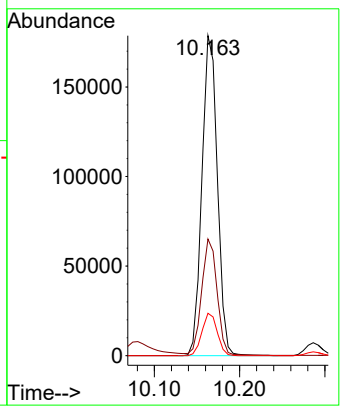




#55
Dibenzofuran
Concen: 10.739 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:168 Resp: 22443

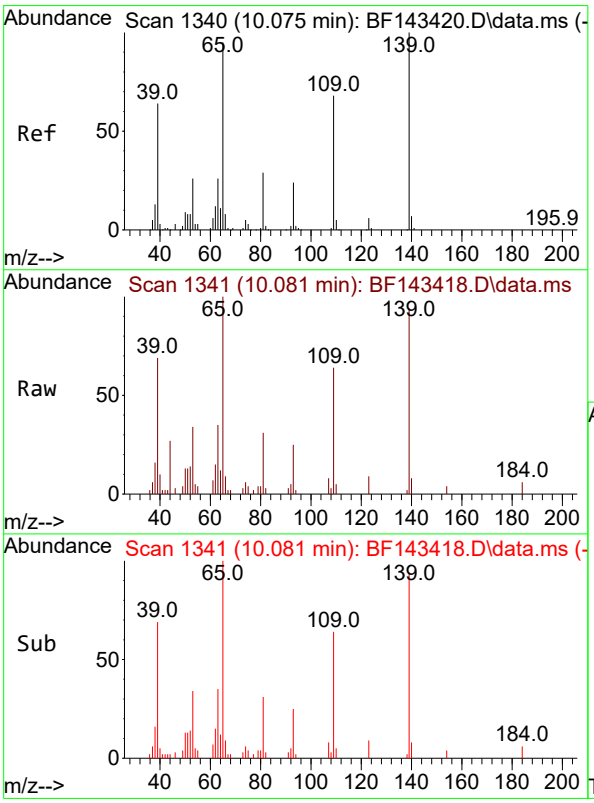
Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.3	43.9
169	13.2	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

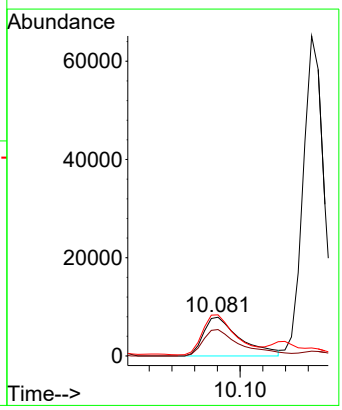
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

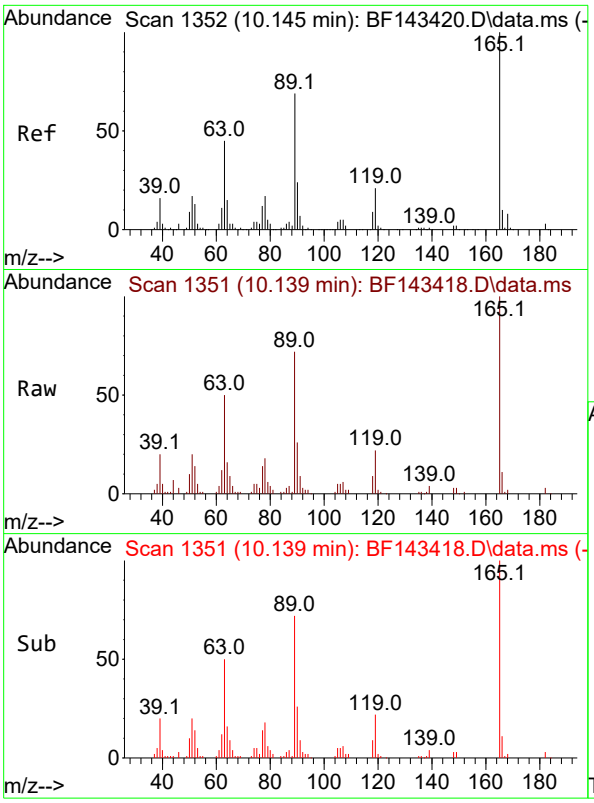


#56
4-Nitrophenol
Concen: 7.613 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:139 Resp: 17626

Ion	Ratio	Lower	Upper
139	100		
109	68.2	47.7	87.7
65	106.4	76.4	116.4

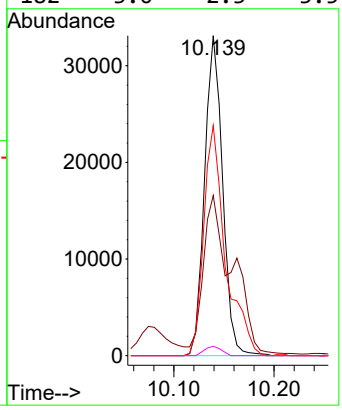




#57
2,4-Dinitrotoluene
Concen: 9.397 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:165 Resp: 4141

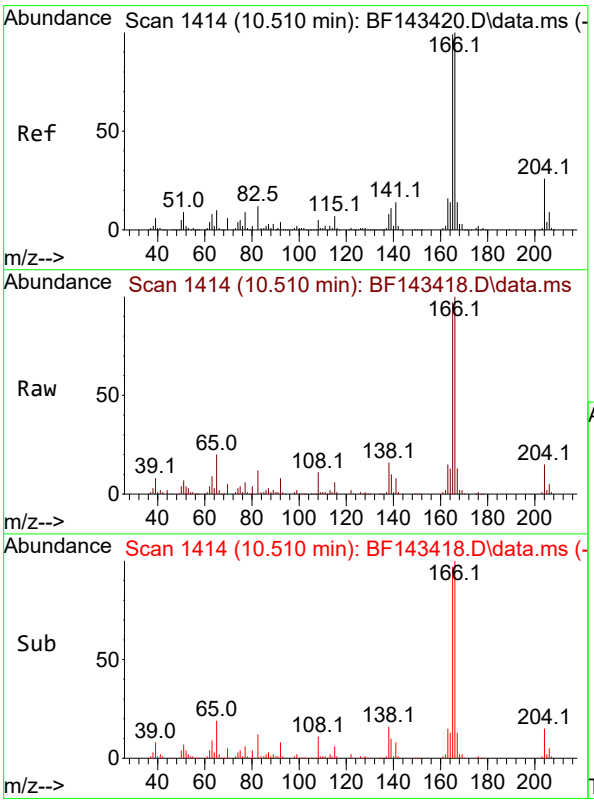
Ion	Ratio	Lower	Upper
165	100		
63	50.0	37.0	55.6
89	71.9	55.4	83.0
182	3.0	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

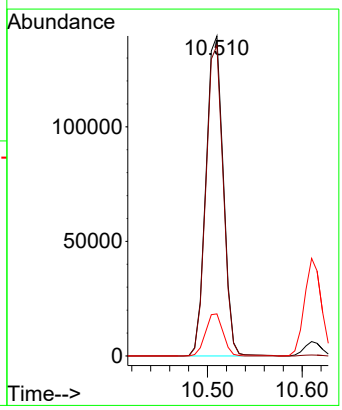
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

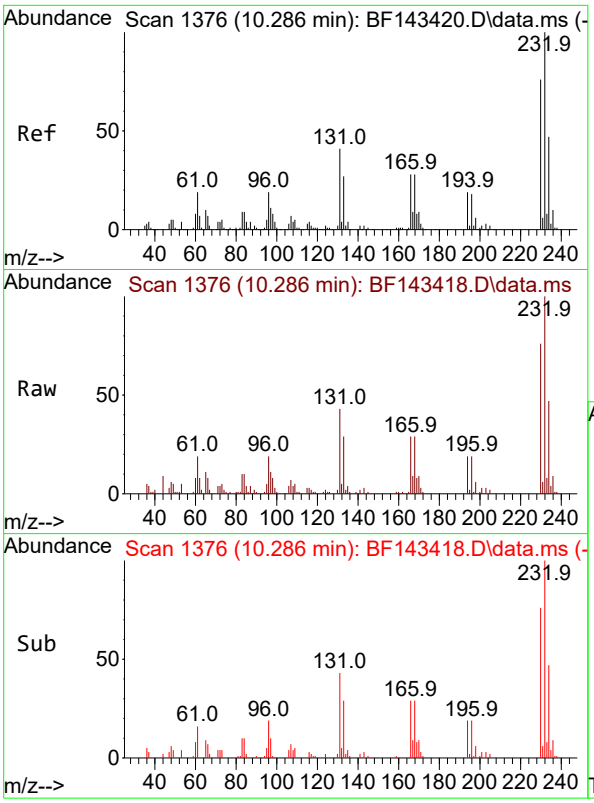


#58
Fluorene
Concen: 11.045 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:166 Resp: 177326

Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.0	118.6
167	13.1	10.9	16.3

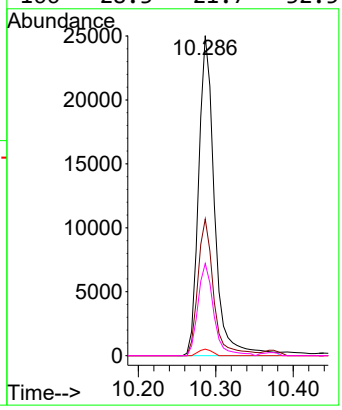




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.397 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:232 Resp: 3567

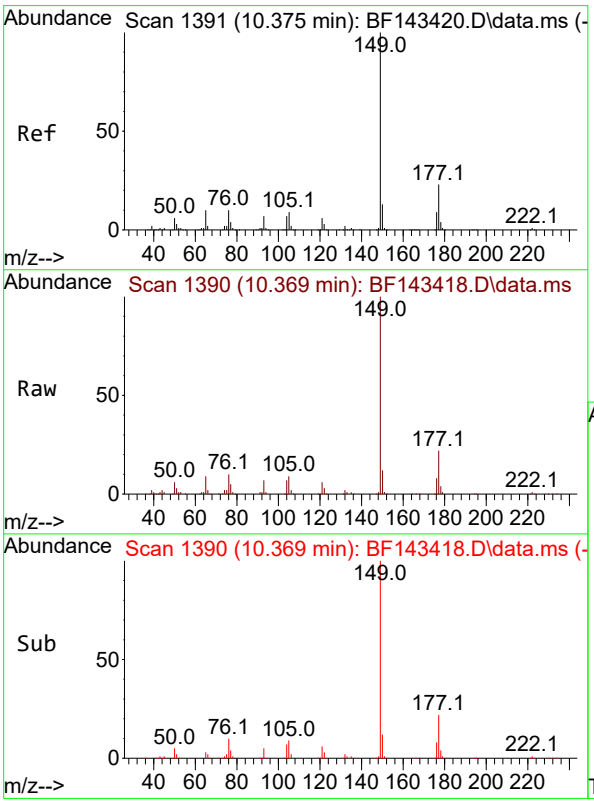
Ion	Ratio	Lower	Upper
232	100		
131	42.3	32.0	48.0
130	1.7	1.7	2.5
166	28.3	21.7	32.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

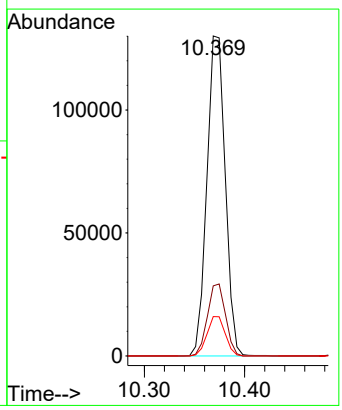
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

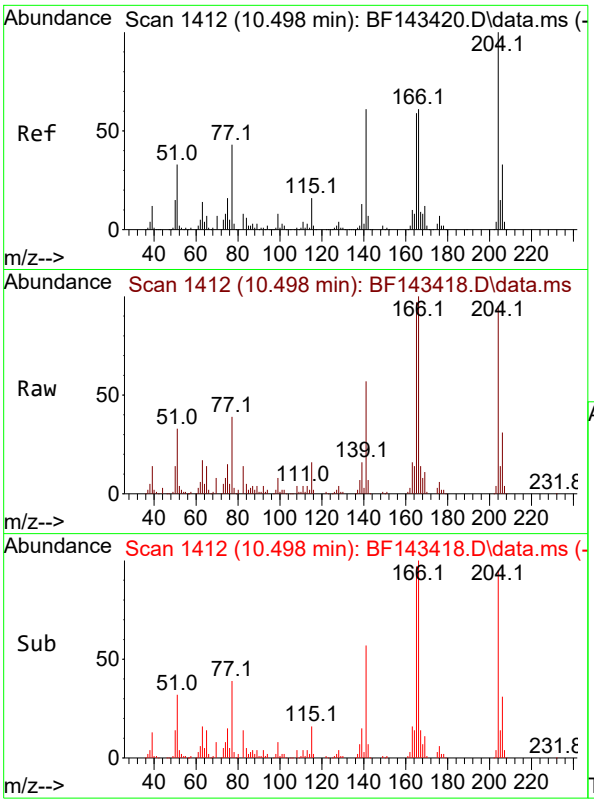


#60
Diethylphthalate
Concen: 10.700 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 165814

Ion	Ratio	Lower	Upper
149	100		
177	21.9	18.2	27.4
150	12.3	10.1	15.1

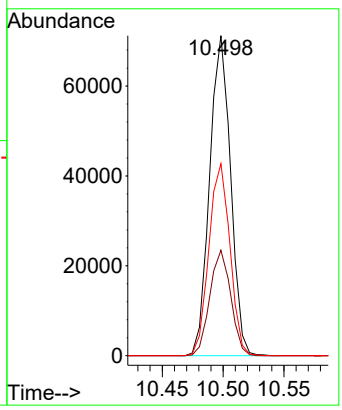




#61
4-Chlorophenyl-phenylether
Concen: 10.729 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:204 Resp: 8516

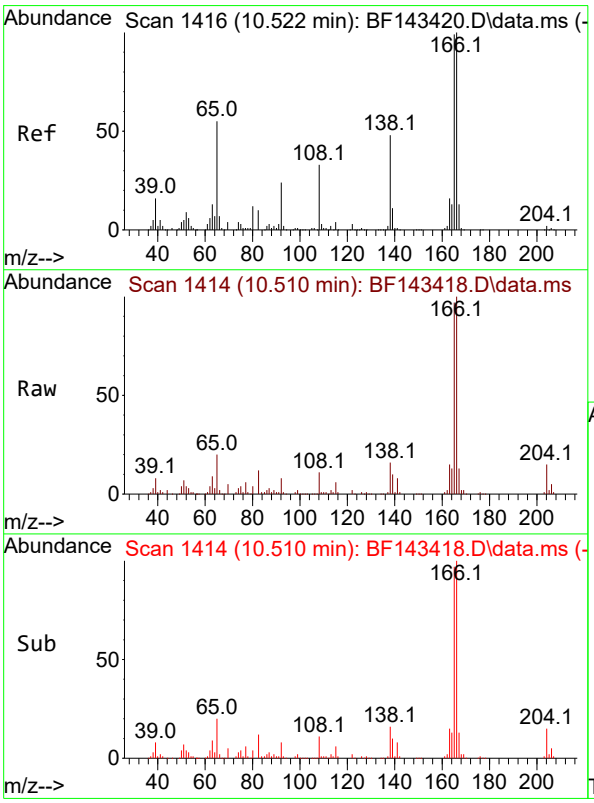
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	60.0	49.0	73.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

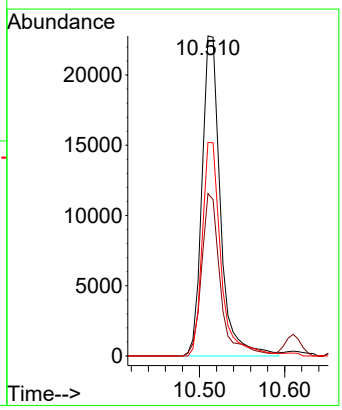
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

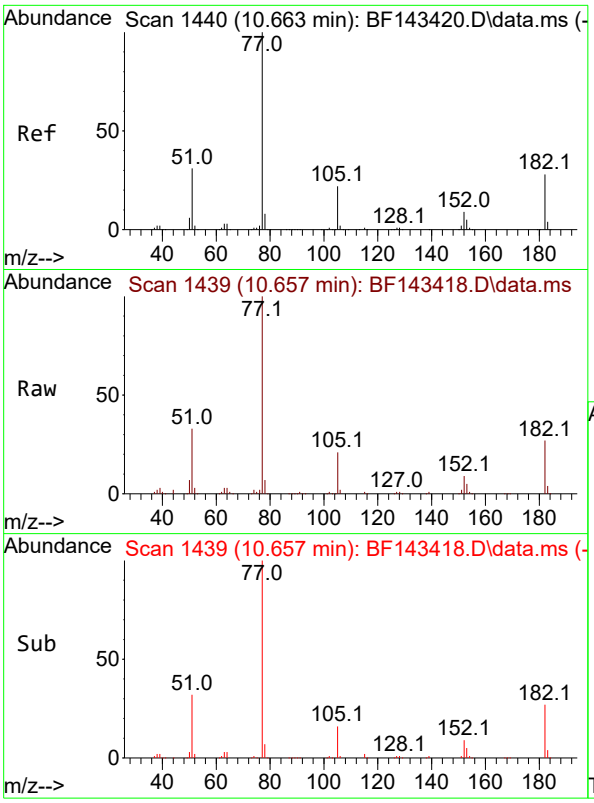


#62
4-Nitroaniline
Concen: 9.957 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:138 Resp: 34292

Ion	Ratio	Lower	Upper
138	100		
92	50.7	29.4	69.4
108	66.8	48.6	88.6

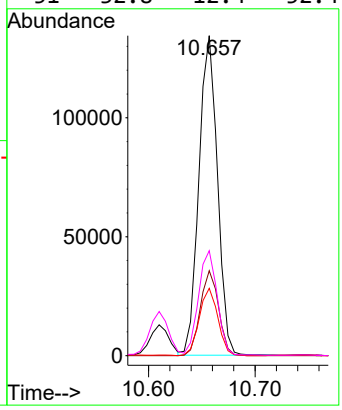




#63
Azobenzene
Concen: 10.395 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 77 Resp: 16281

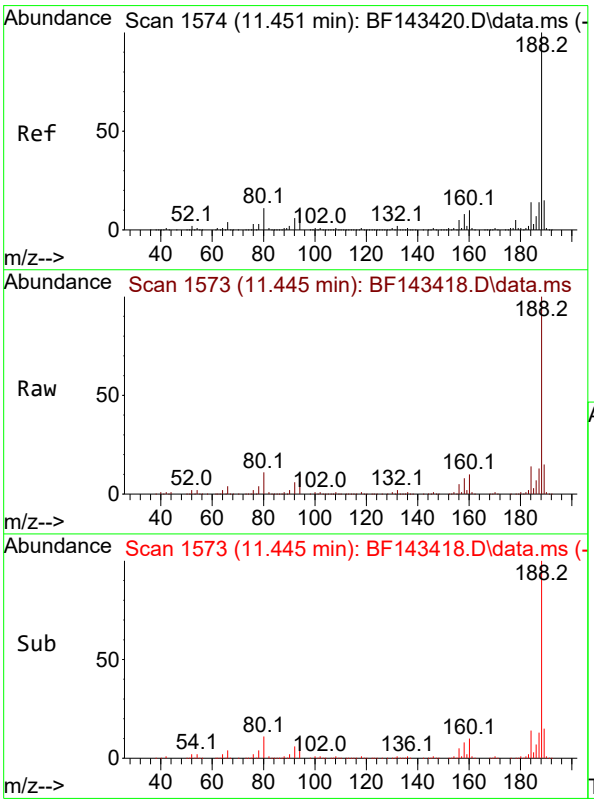
Ion	Ratio	Lower	Upper
77	100		
182	26.6	7.4	47.4
105	21.1	1.7	41.7
51	32.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

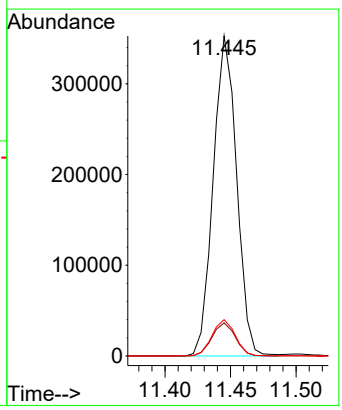
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

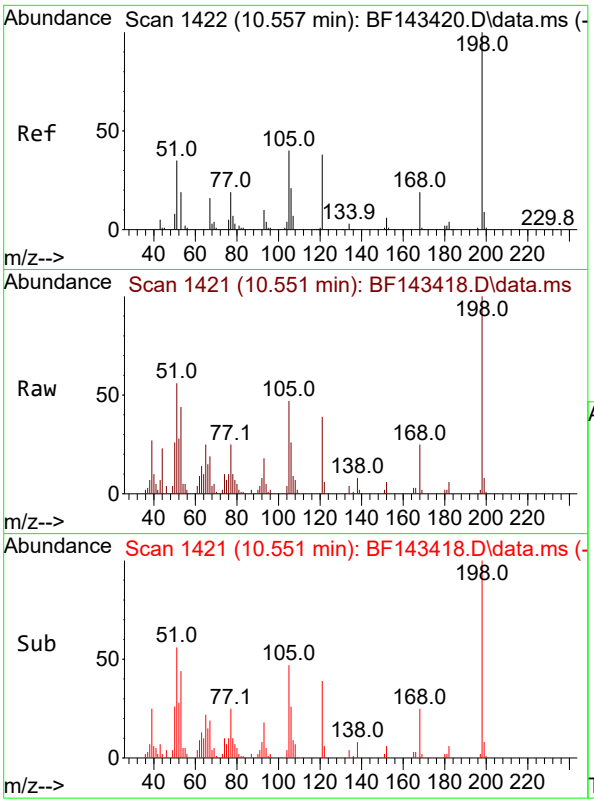


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:188 Resp: 437552

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.0	12.0
80	11.4	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 7.065 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

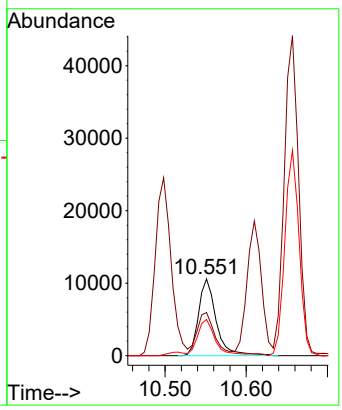
Tgt Ion:198 Resp: 1594

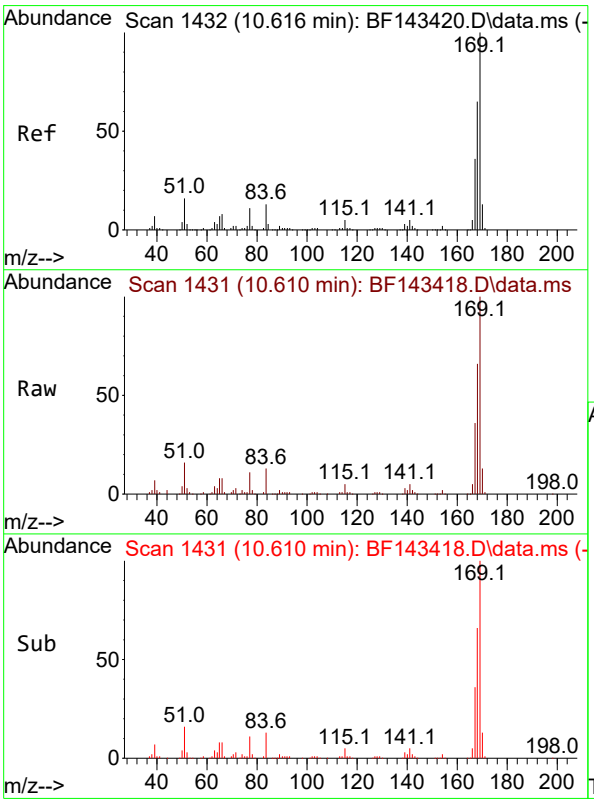
Ion	Ratio	Lower	Upper
198	100		
51	56.2	31.2	71.2
105	47.0	21.7	61.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

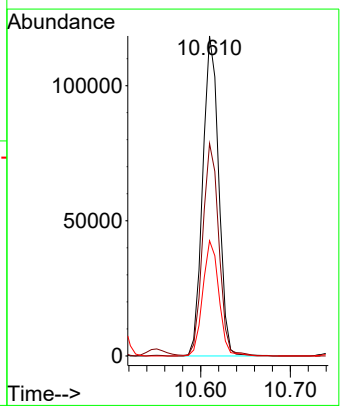


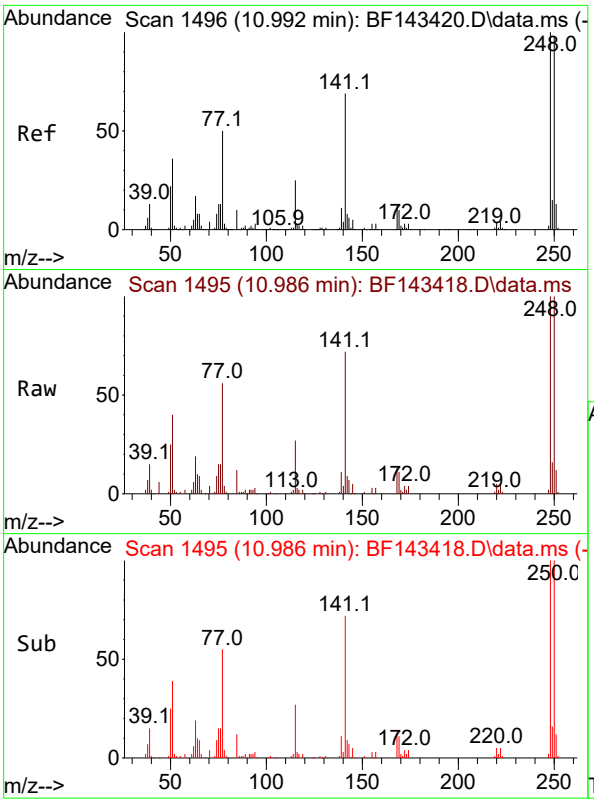


#66
n-Nitrosodiphenylamine
Concen: 10.259 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:169 Resp: 145957

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.5	78.7
167	36.0	28.6	42.8

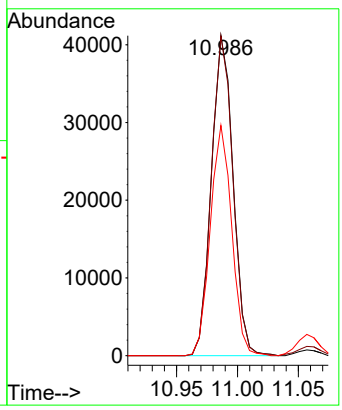




#67
4-Bromophenyl-phenylether
Concen: 9.892 ng
RT: 10.986 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:248 Resp: 5111

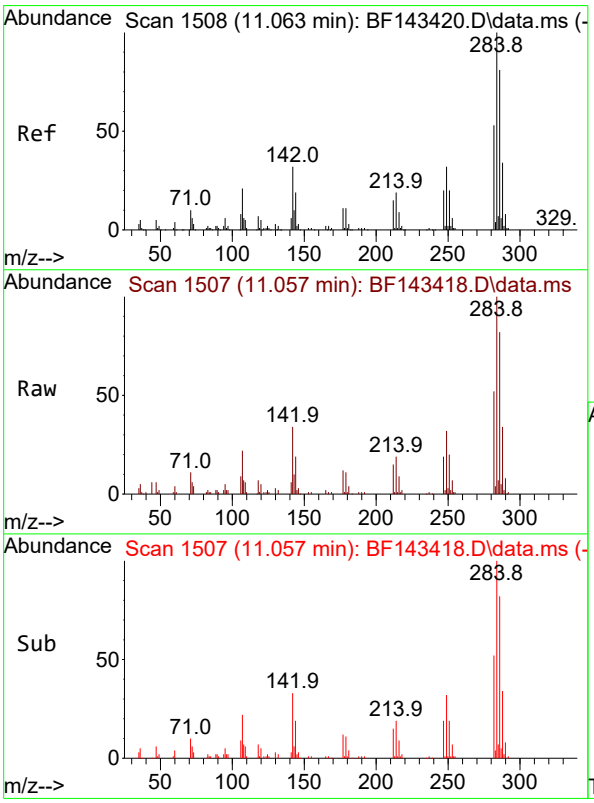
Ion	Ratio	Lower	Upper
248	100		
250	99.8	78.6	118.0
141	71.9	54.9	82.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

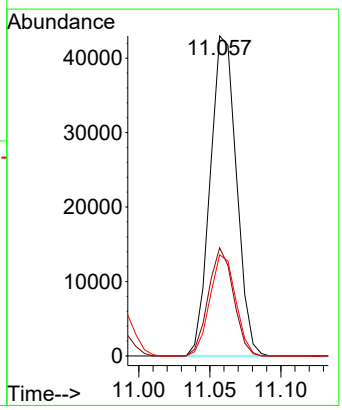
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

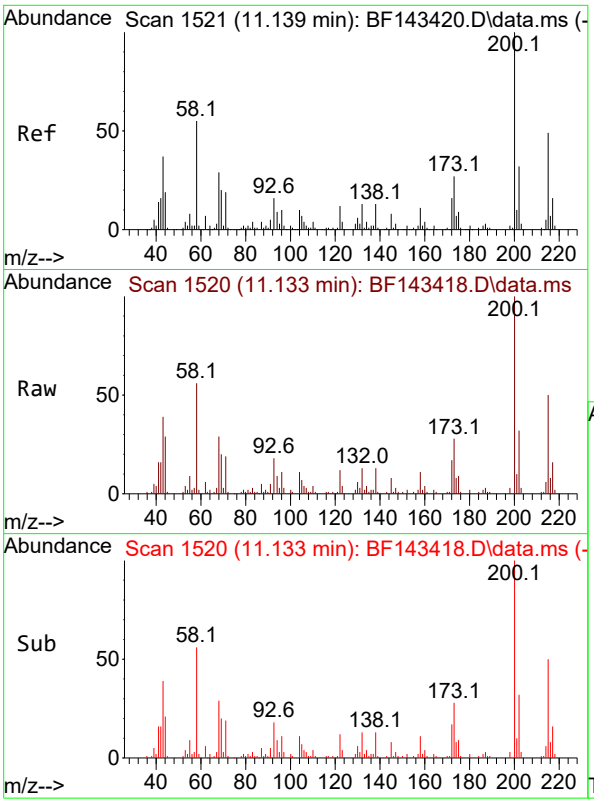


#68
Hexachlorobenzene
Concen: 10.051 ng
RT: 11.057 min Scan# 1507
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:284 Resp: 55212

Ion	Ratio	Lower	Upper
284	100		
142	33.8	25.4	38.2
249	31.6	25.4	38.0

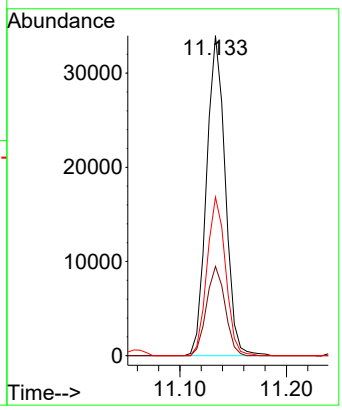




#69
Atrazine
Concen: 9.947 ng
RT: 11.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:200 Resp: 4139

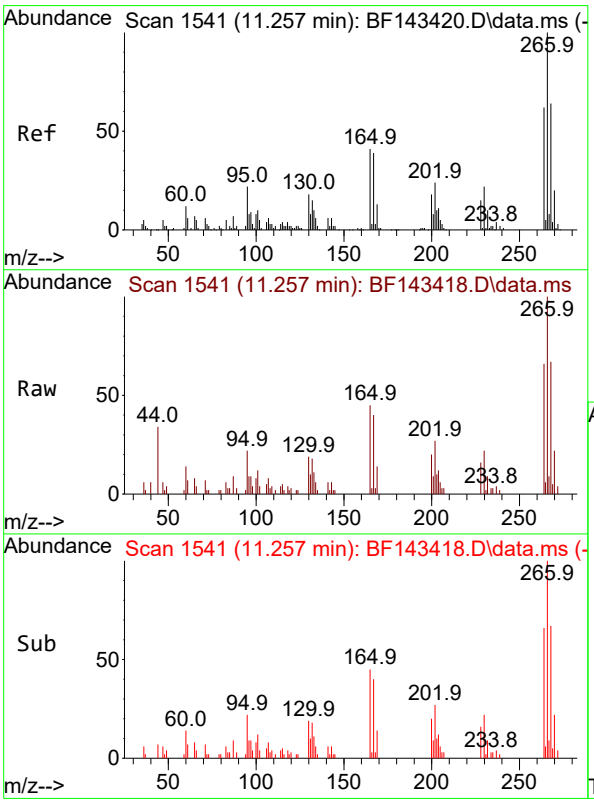
Ion	Ratio	Lower	Upper
200	100		
173	27.9	6.6	46.6
215	49.5	29.5	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

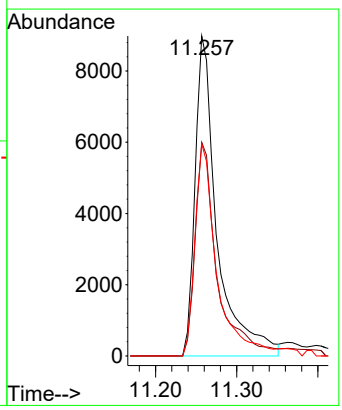
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

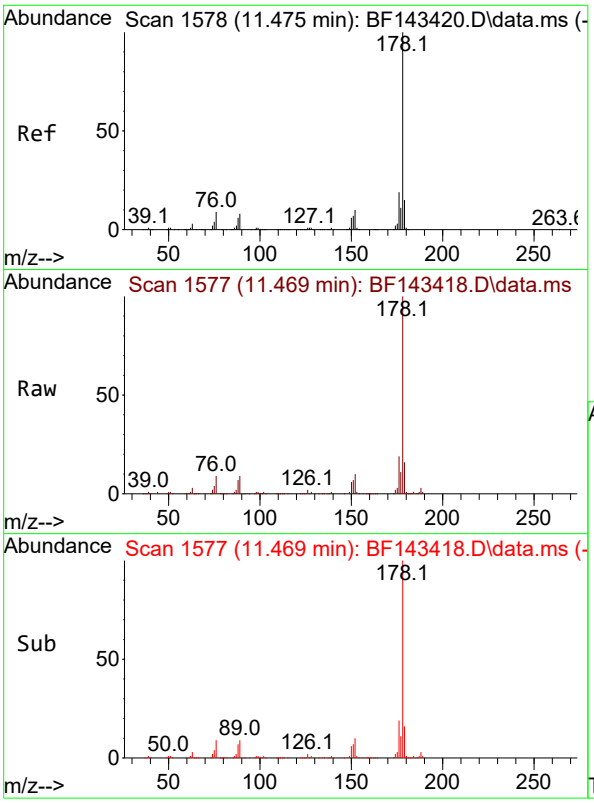


#70
Pentachlorophenol
Concen: 6.949 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:266 Resp: 16946

Ion	Ratio	Lower	Upper
266	100		
268	66.7	51.0	76.6
264	66.3	49.3	73.9

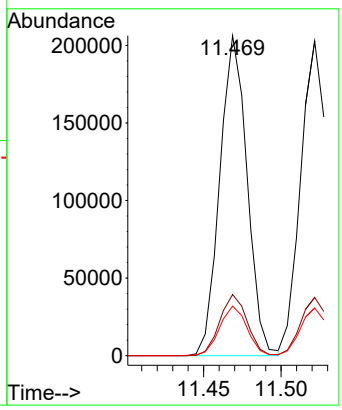




#71
Phenanthrene
Concen: 10.668 ng
RT: 11.469 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:178 Resp: 25276

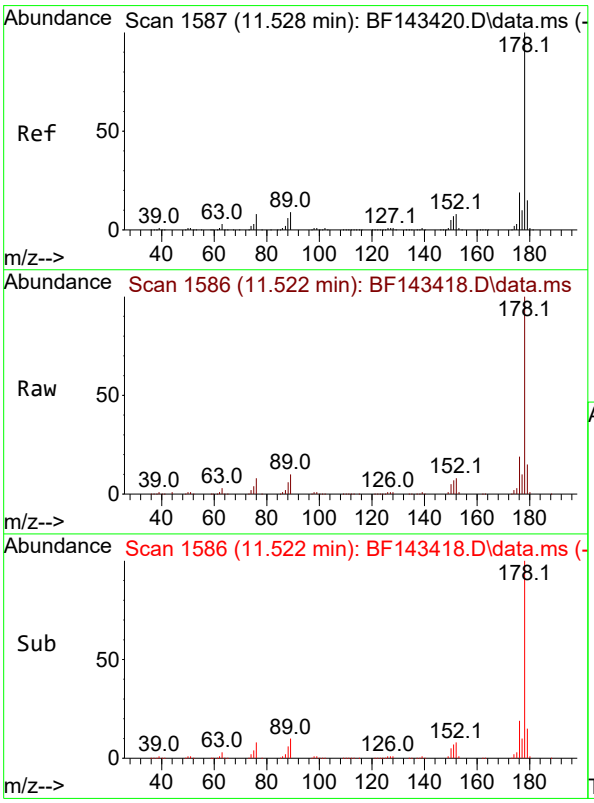
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.5	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

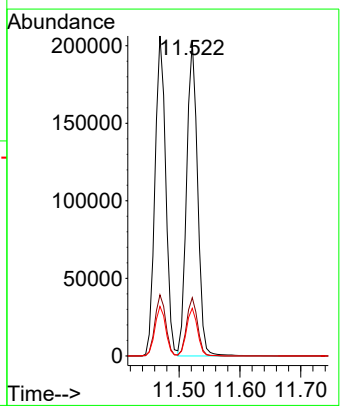
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

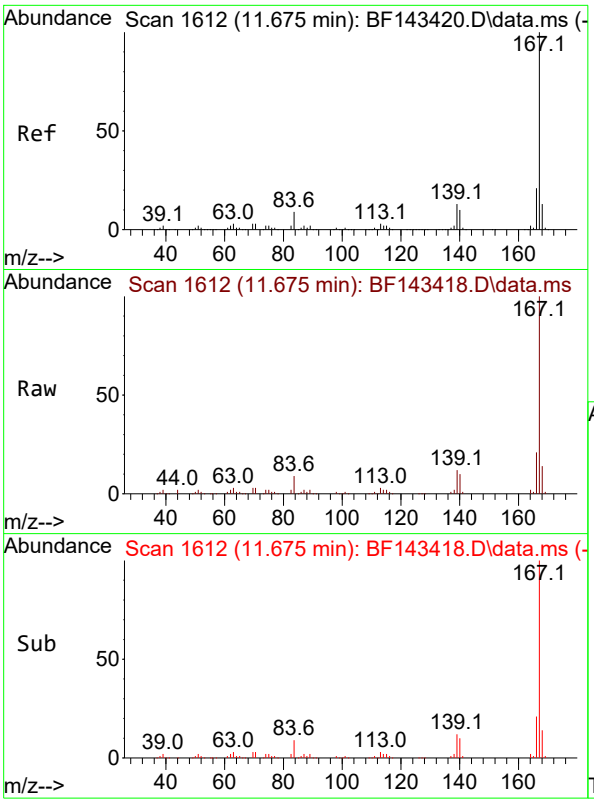


#72
Anthracene
Concen: 10.595 ng
RT: 11.522 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:178 Resp: 253551

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.2	12.2	18.4

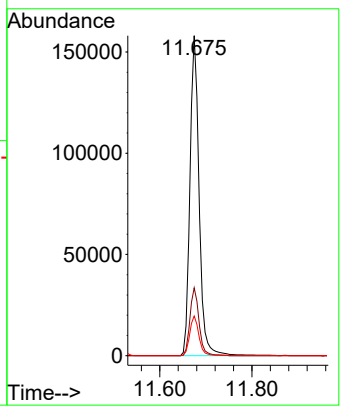




#73
Carbazole
Concen: 10.754 ng
RT: 11.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:167 Resp: 21766

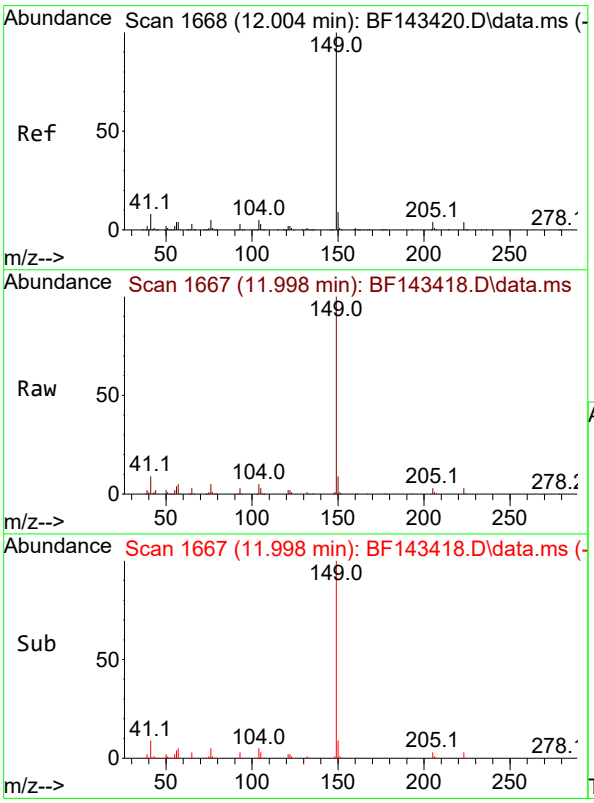
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.4	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

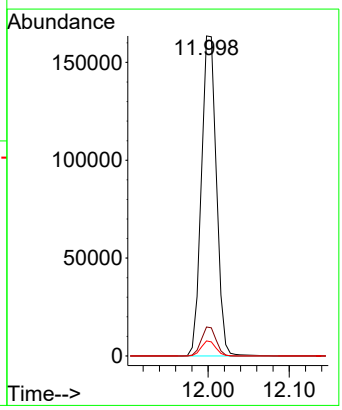
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

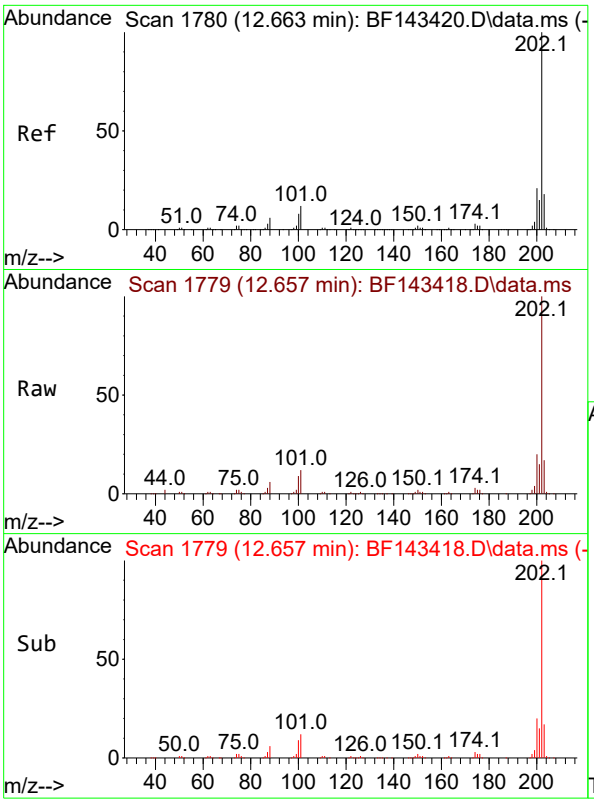


#74
Di-n-butylphthalate
Concen: 10.409 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 209808

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.7	3.8	5.6

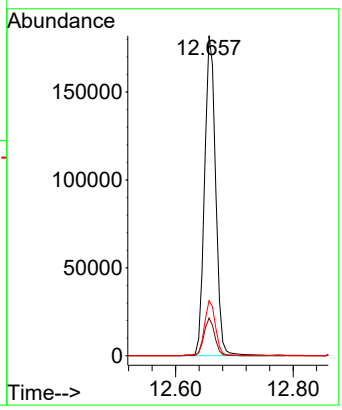




#75
Fluoranthene
Concen: 11.251 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:202 Resp: 23688

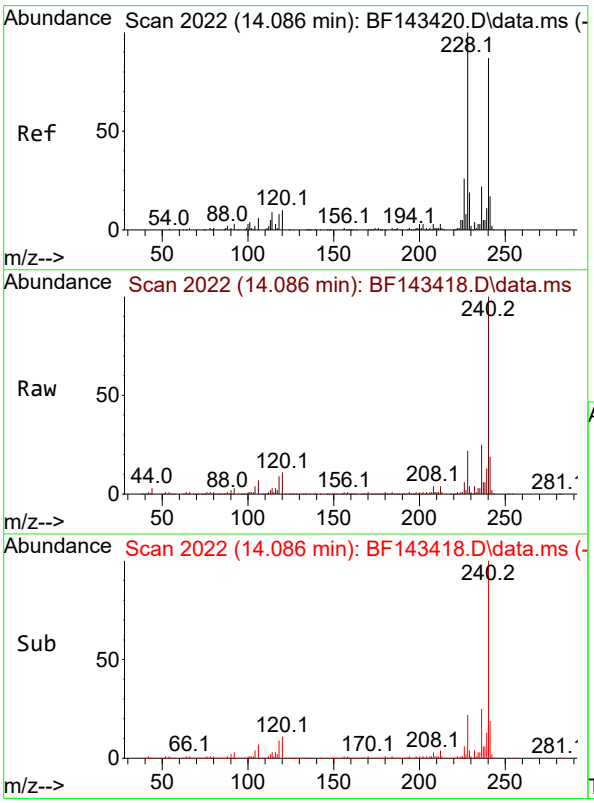
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.5
203	17.2	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

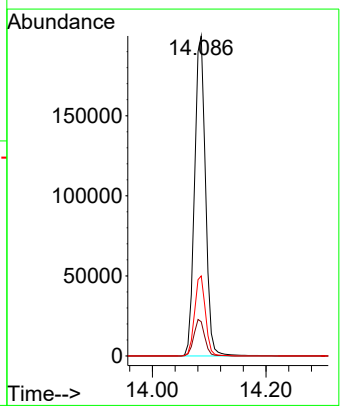
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

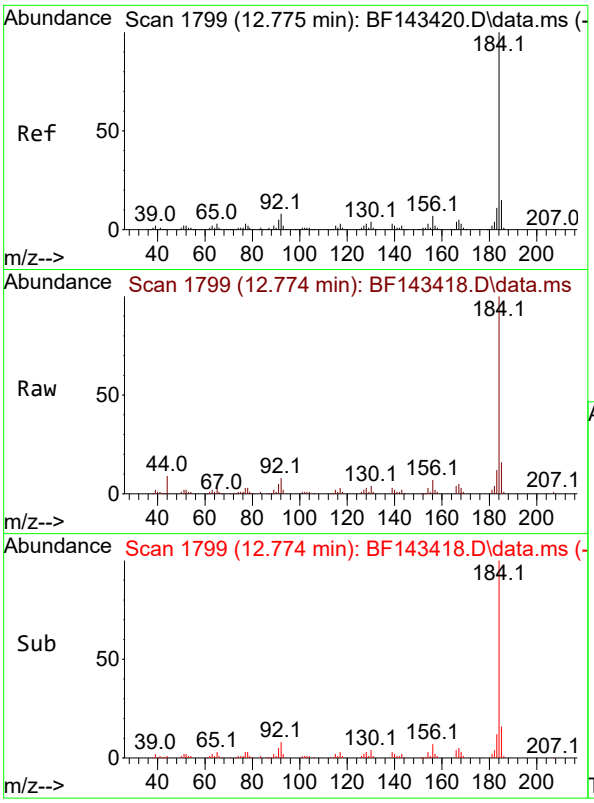


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:240 Resp: 267863

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.4
236	25.0	20.2	30.2

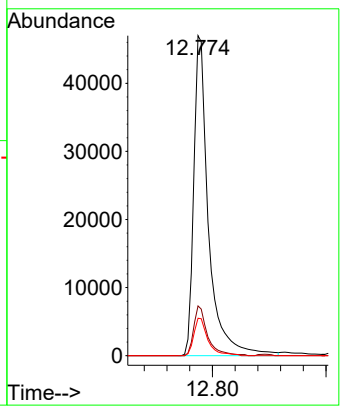




#77
Benzidine
Concen: 11.245 ng
RT: 12.774 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:184 Resp: 8527

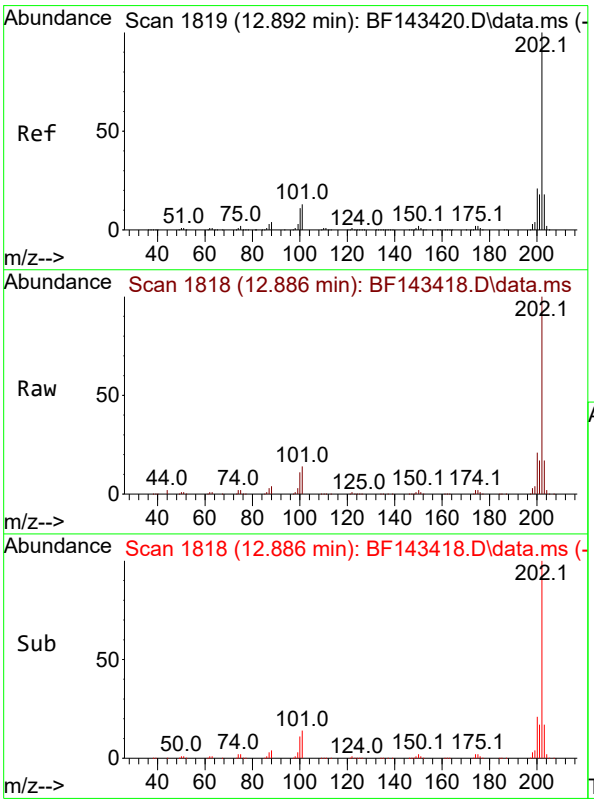
Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.2	18.2
183	11.7	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

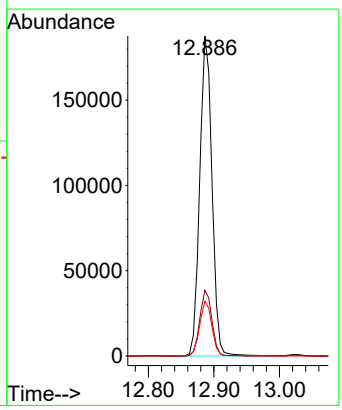
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

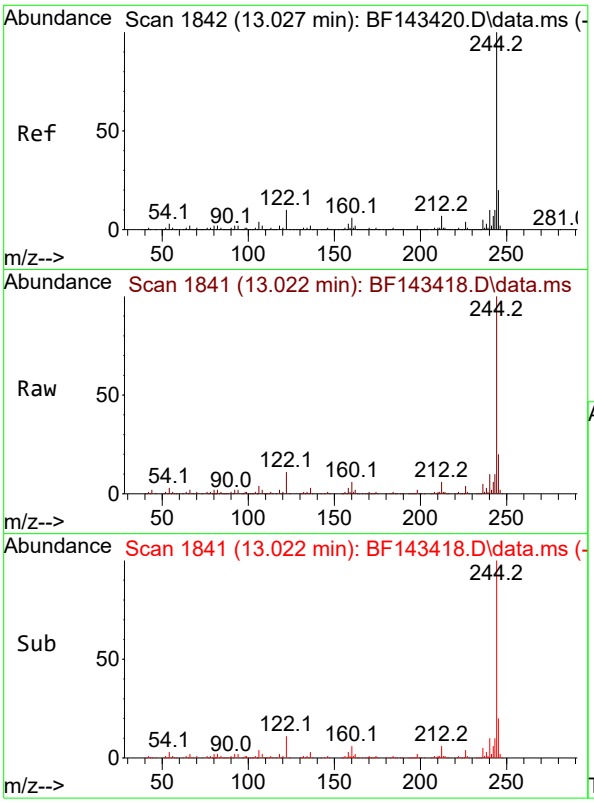


#78
Pyrene
Concen: 10.480 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:202 Resp: 243992

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.1	25.7
203	17.1	14.2	21.2

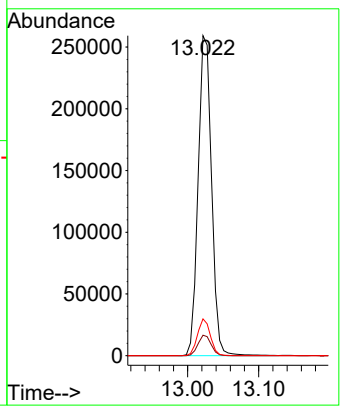




#79
Terphenyl-d14
Concen: 21.429 ng
RT: 13.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:244 Resp: 34169

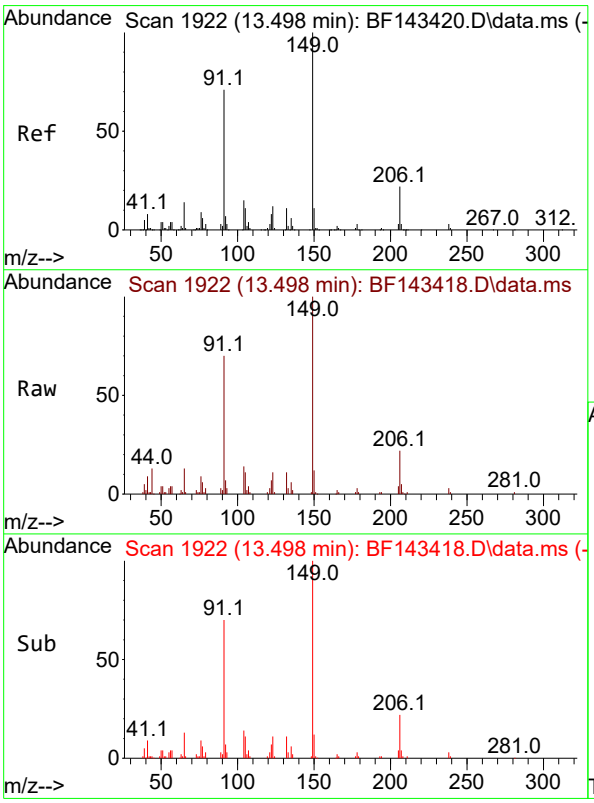
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.5	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

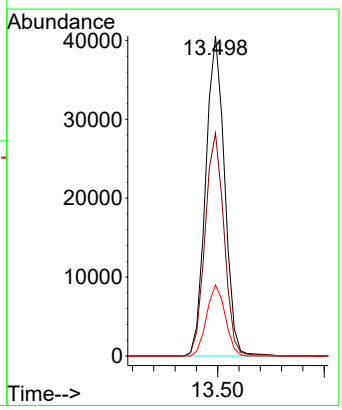
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

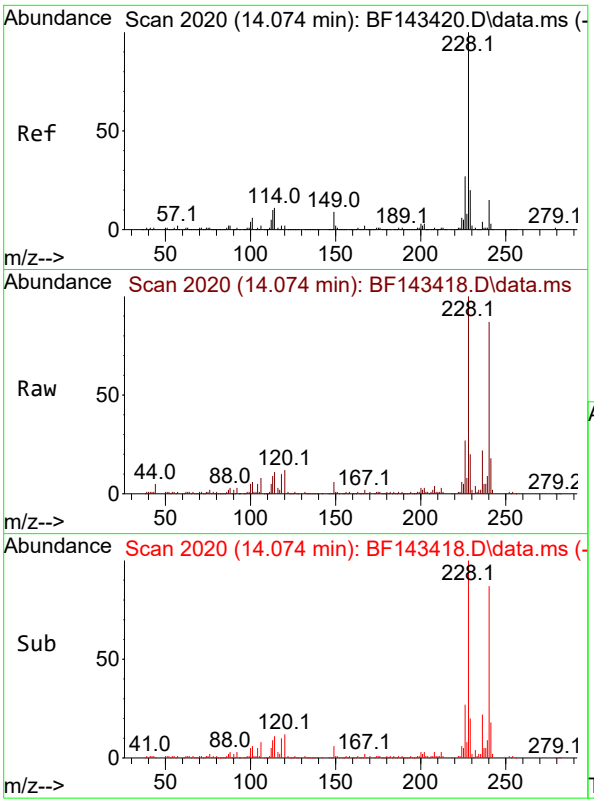


#80
Butylbenzylphthalate
Concen: 8.648 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 49871

Ion	Ratio	Lower	Upper
149	100		
91	69.7	57.0	85.4
206	22.2	17.6	26.4

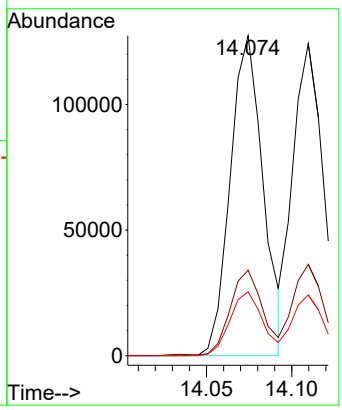




#81
Benzo(a)anthracene
Concen: 10.019 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:228 Resp: 17085

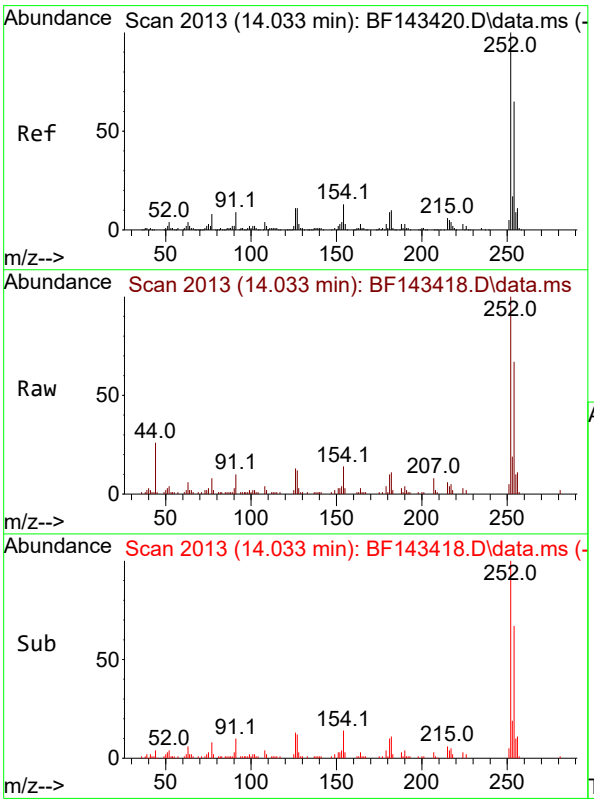
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.5	32.3
229	20.0	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

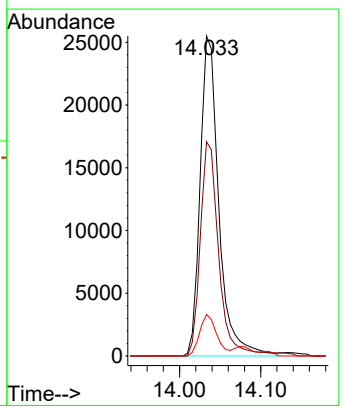
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

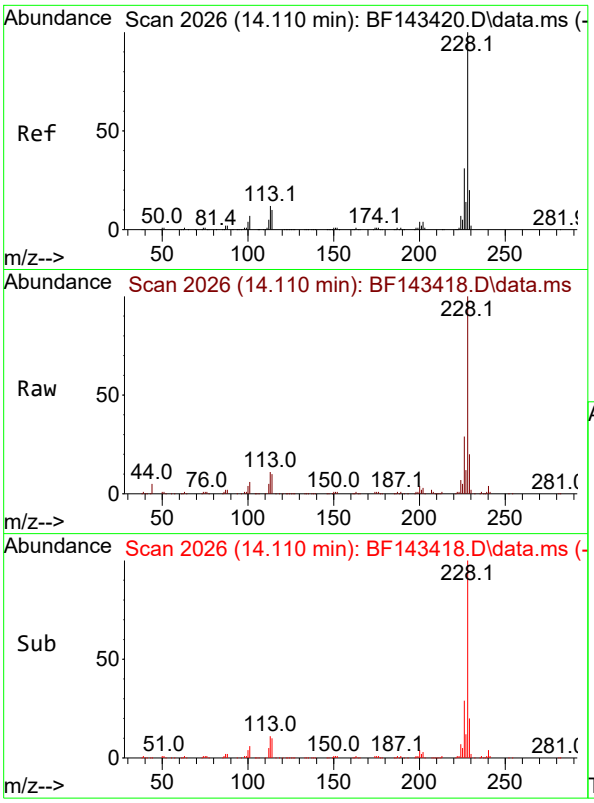


#82
3,3'-Dichlorobenzidine
Concen: 8.158 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:252 Resp: 40733

Ion	Ratio	Lower	Upper
252	100		
254	66.9	51.6	77.4
126	12.9	8.8	13.2

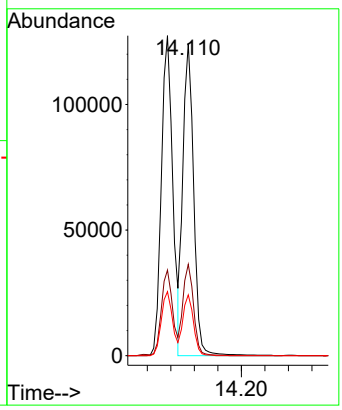




#83
Chrysene
Concen: 10.079 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:228 Resp: 15889

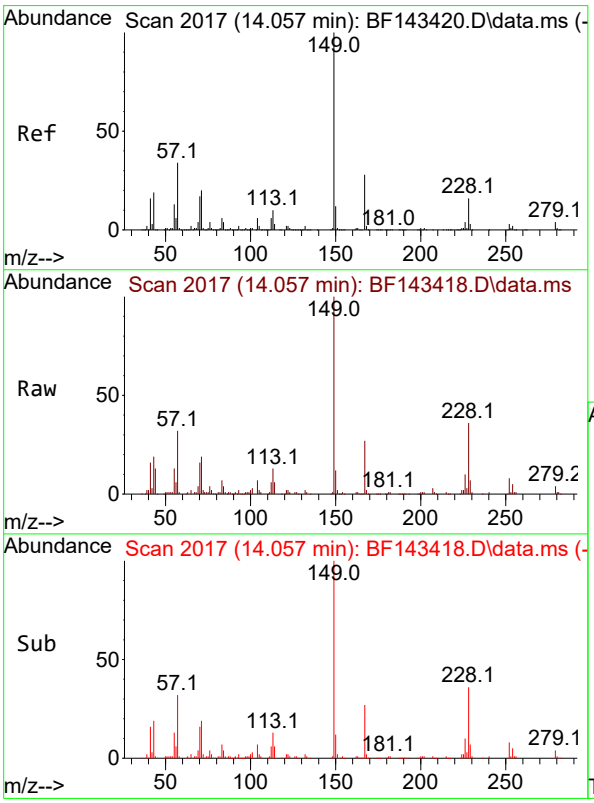
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.3	36.5
229	19.5	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

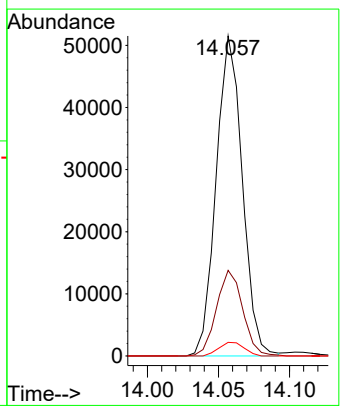
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

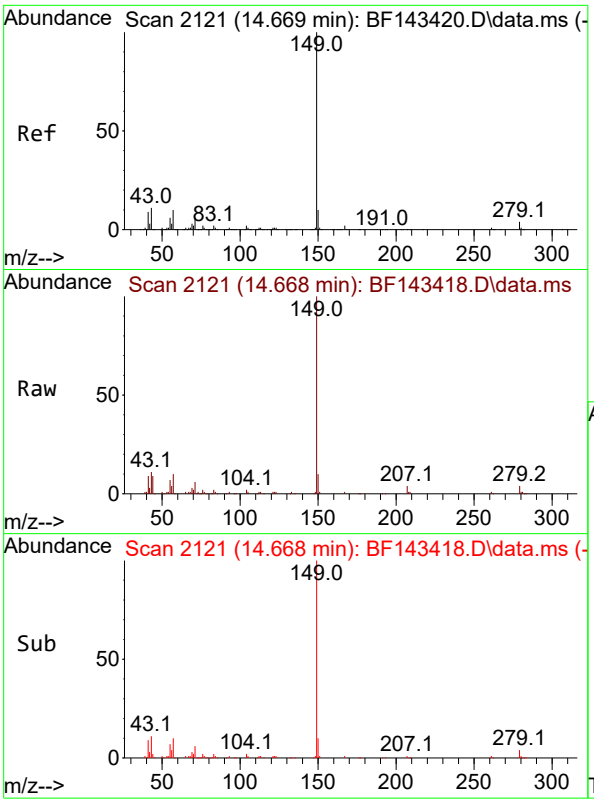


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.050 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 65928

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.6	33.8
279	4.2	3.5	5.3

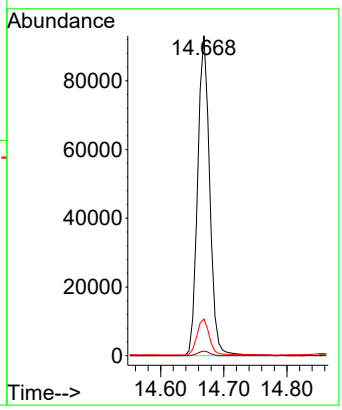




#85
Di-n-octyl phthalate
Concen: 7.410 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 12307

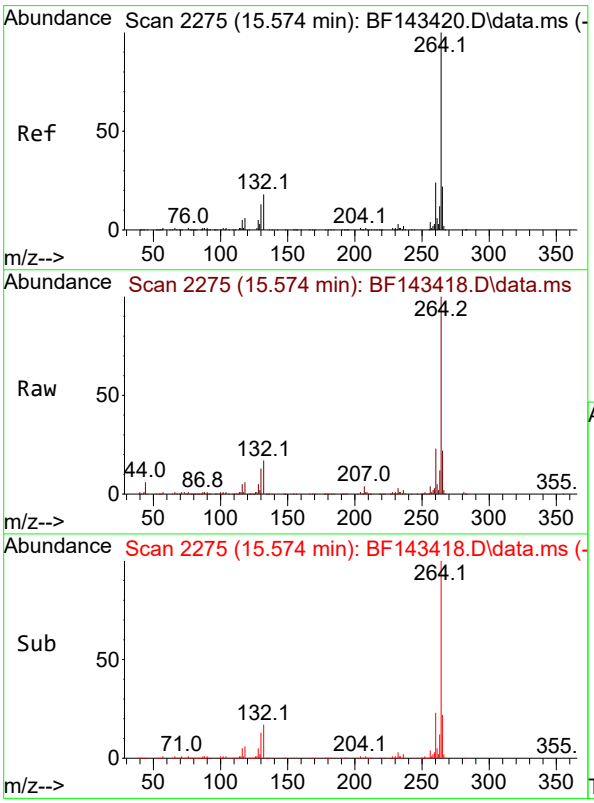
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	11.5	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

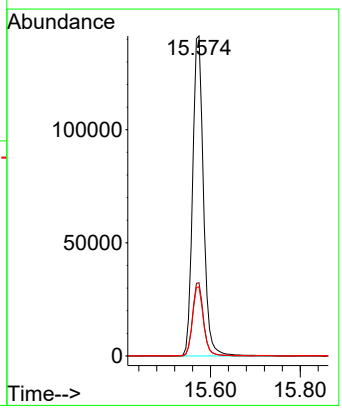
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

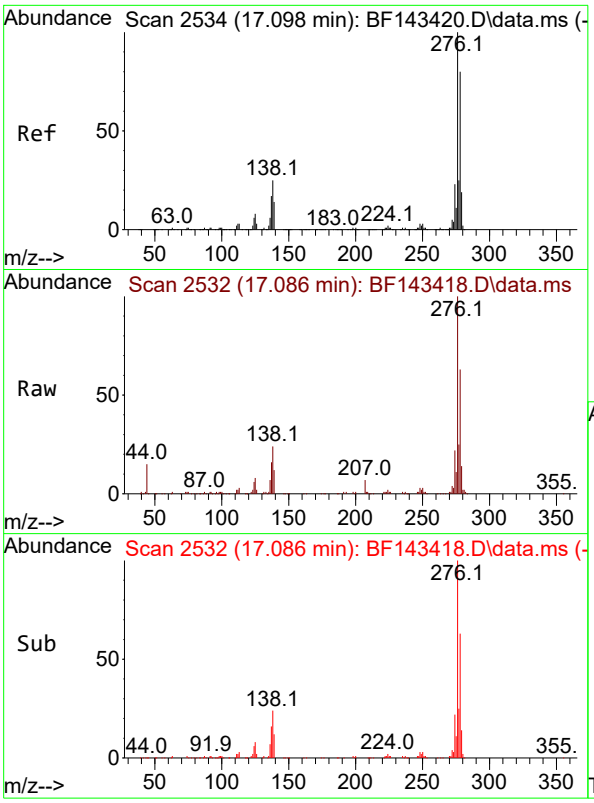


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:264 Resp: 237224

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.8	28.2
265	21.6	17.4	26.0

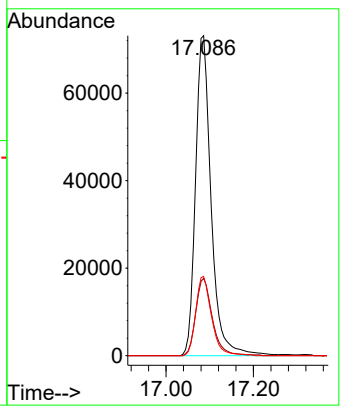




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.222 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:276 Resp: 18183

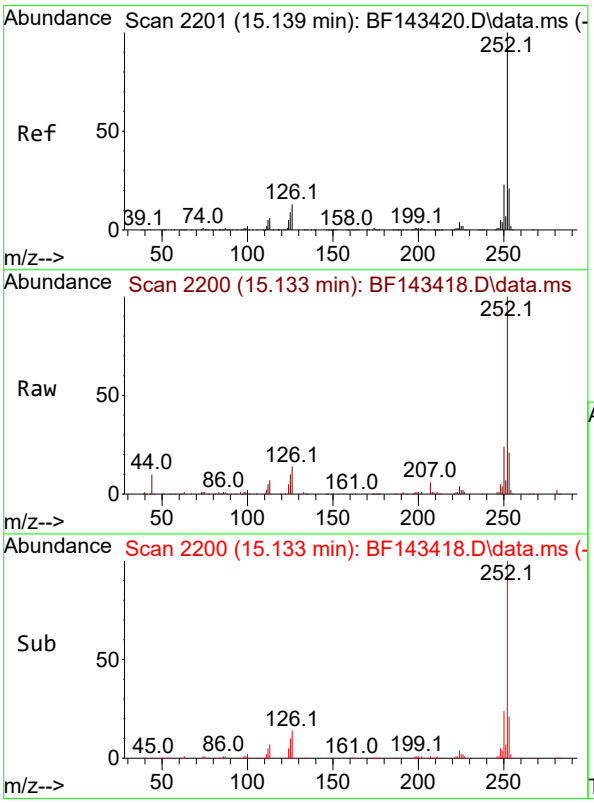
Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.2	30.4
277	25.0	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

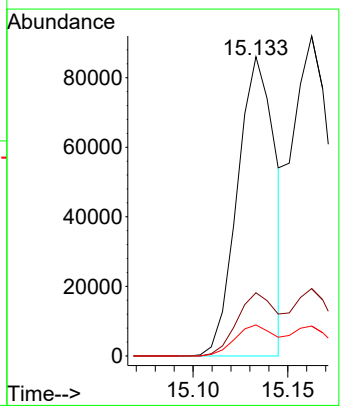
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

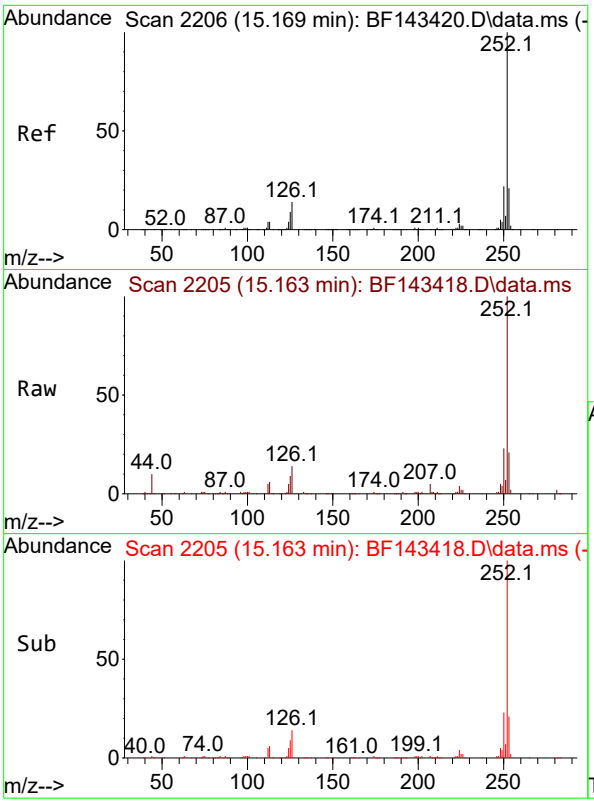


#88
Benzo(b)fluoranthene
Concen: 9.347 ng
RT: 15.133 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:252 Resp: 118835

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	10.4	7.5	11.3

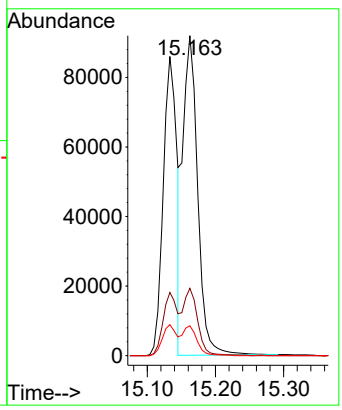




#89
Benzo(k)fluoranthene
Concen: 10.985 ng
RT: 15.163 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:252 Resp: 13775

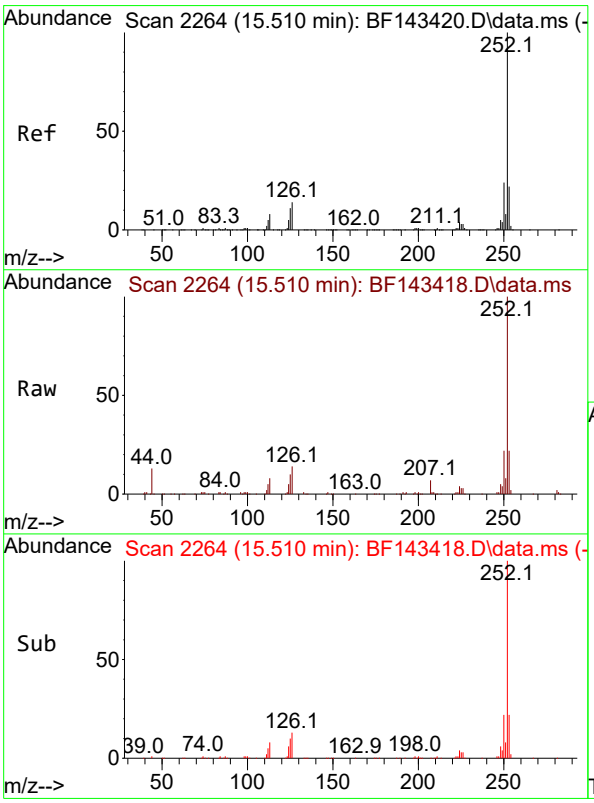
Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.2	25.8
125	9.3	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

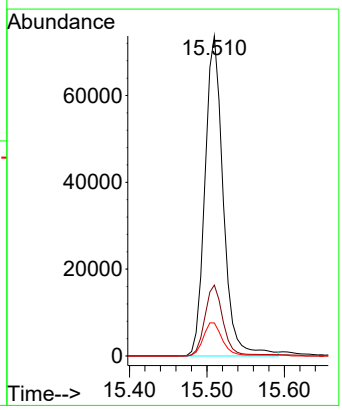
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

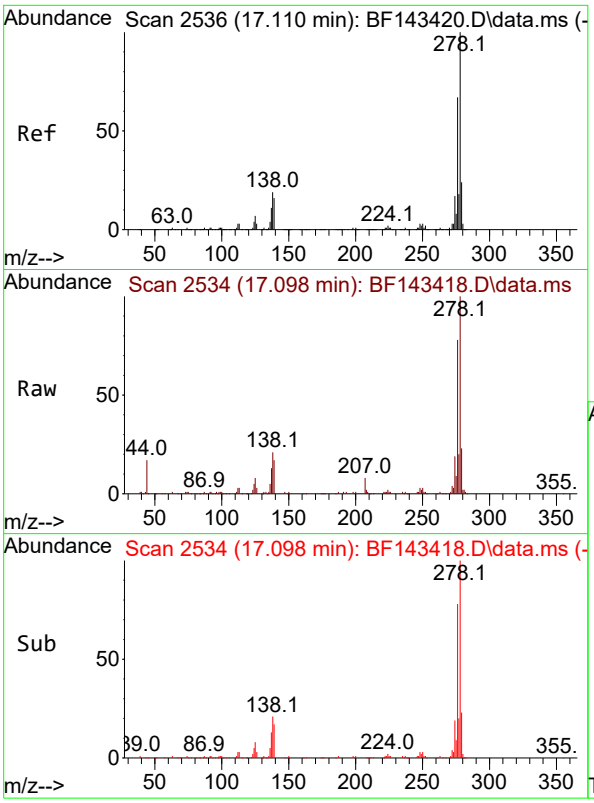


#90
Benzo(a)pyrene
Concen: 9.964 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:252 Resp: 120666

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.3	8.6	12.8

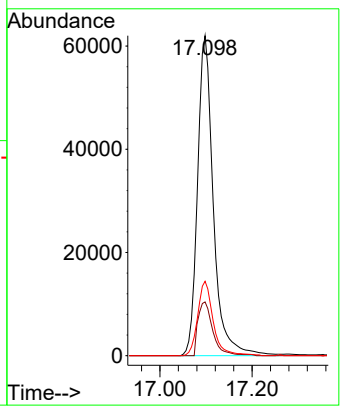




#91
Dibenzo(a,h)anthracene
Concen: 10.401 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:278 Resp: 14858

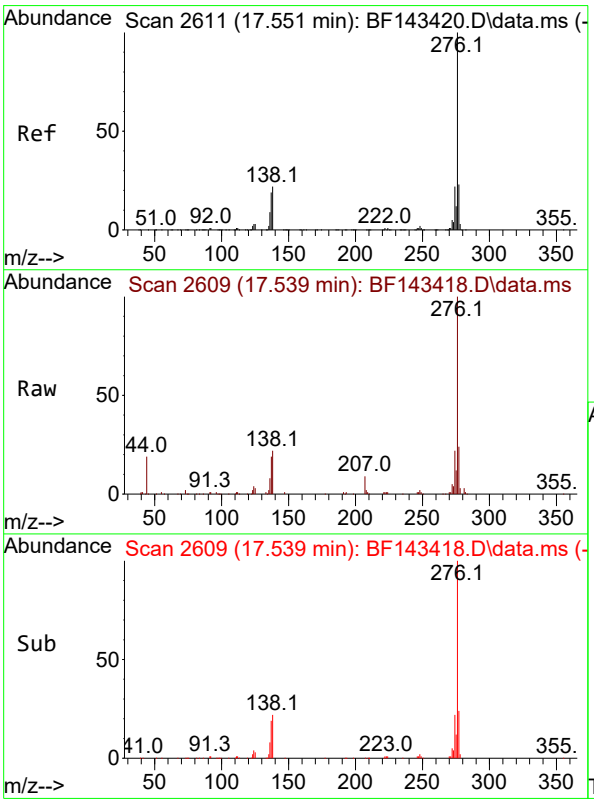
Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.9	19.3
279	23.2	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

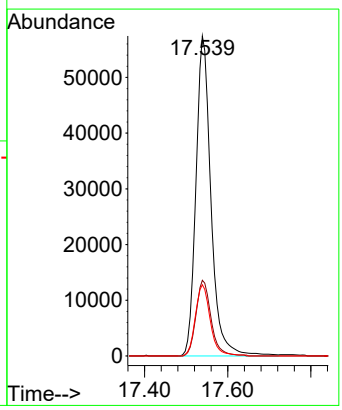
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#92
Benzo(g,h,i)perylene
Concen: 10.133 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:276 Resp: 144617

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	22.3	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143419.D
Acq On : 15 Aug 2025 15:58
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	131465	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	508953	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	281751	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	446308	20.000	ng	0.00
76) Chrysene-d12	14.086	240	237684	20.000	ng	0.00
86) Perylene-d12	15.574	264	269028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	322905	42.697	ng	0.00
7) Phenol-d6	6.557	99	403785	42.366	ng	0.00
23) Nitrobenzene-d5	7.481	82	358277	41.772	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	104587	41.705	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	727542	43.433	ng	0.00
79) Terphenyl-d14	13.027	244	631704	44.646	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	74627	20.500	ng	99
3) Pyridine	3.516	79	195638	20.491	ng	99
4) n-Nitrosodimethylamine	3.440	42	88004	19.831	ng	97
6) Aniline	6.587	93	274228	21.194	ng	98
8) 2-Chlorophenol	6.716	128	177182	21.221	ng	98
9) Benzaldehyde	6.475	77	140473	27.706	ng	99
10) Phenol	6.569	94	239446	21.530	ng	92
11) bis(2-Chloroethyl)ether	6.657	93	171939	20.856	ng	98
12) 1,3-Dichlorobenzene	6.869	146	197517	21.118	ng	99
13) 1,4-Dichlorobenzene	6.946	146	196309	21.024	ng	99
14) 1,2-Dichlorobenzene	7.098	146	188077	21.088	ng	100
15) Benzyl Alcohol	7.063	79	145881	20.755	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.193	45	301172	21.369	ng	99
17) 2-Methylphenol	7.175	107	141953	20.838	ng	98
18) Hexachloroethane	7.440	117	67502	21.238	ng	99
19) n-Nitroso-di-n-propyla...	7.328	70	123829	20.987	ng	98
20) 3+4-Methylphenols	7.328	107	182897	22.454	ng	98
22) Acetophenone	7.328	105	234922	21.468	ng	99
24) Nitrobenzene	7.504	77	189535	21.143	ng	99
25) Isophorone	7.740	82	341350	20.794	ng	100
26) 2-Nitrophenol	7.822	139	86694	20.862	ng	99
27) 2,4-Dimethylphenol	7.857	122	153145	21.796	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	210282	20.840	ng	100
29) 2,4-Dichlorophenol	8.069	162	153094	21.374	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	154544	21.058	ng	98
31) Naphthalene	8.228	128	515775	21.346	ng	100
32) Benzoic acid	7.957	122	71922m	19.776	ng	
33) 4-Chloroaniline	8.275	127	184406	21.143	ng	99
34) Hexachlorobutadiene	8.351	225	97824	20.903	ng	99
35) Caprolactam	8.622	113	42831	20.770	ng	97
36) 4-Chloro-3-methylphenol	8.757	107	153403	20.795	ng	98
37) 2-Methylnaphthalene	8.922	142	349766	21.475	ng	100
38) 1-Methylnaphthalene	9.022	142	337056	21.600	ng	100
40) 1,2,4,5-Tetrachloroben...	9.087	216	164739	20.965	ng	99
41) Hexachlorocyclopentadiene	9.075	237	39498	19.242	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	102250	20.860	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143419.D
Acq On : 15 Aug 2025 15:58
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 15 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	9.239	196	111266	21.177	ng	98
46)	1,1'-Biphenyl	9.381	154	423276	21.382	ng	99
47)	2-Chloronaphthalene	9.410	162	332051	21.249	ng	98
48)	2-Nitroaniline	9.498	65	96534	20.759	ng	100
49)	Acenaphthylene	9.822	152	480293	21.288	ng	99
50)	Dimethylphthalate	9.675	163	367621	20.928	ng	99
51)	2,6-Dinitrotoluene	9.734	165	72730	21.003	ng	99
52)	Acenaphthene	9.992	154	322026	21.221	ng	100
53)	3-Nitroaniline	9.910	138	79853	20.702	ng	99
54)	2,4-Dinitrophenol	10.022	184	24644	19.975	ng	97
55)	Dibenzofuran	10.169	168	468229	21.390	ng	99
56)	4-Nitrophenol	10.075	139	47964	19.778	ng	98
57)	2,4-Dinitrotoluene	10.139	165	97735	21.170	ng	97
58)	Fluorene	10.510	166	362746	21.570	ng	98
59)	2,3,4,6-Tetrachlorophenol	10.286	232	82552	20.756	ng	96
60)	Diethylphthalate	10.375	149	342918	21.125	ng	99
61)	4-Chlorophenyl-phenyle...	10.498	204	175302	21.084	ng	99
62)	4-Nitroaniline	10.516	138	76220	21.129	ng	99
63)	Azobenzene	10.657	77	346304	21.108	ng	98
65)	4,6-Dinitro-2-methylph...	10.551	198	43027	18.685	ng	96
66)	n-Nitrosodiphenylamine	10.616	169	301902	20.804	ng	99
67)	4-Bromophenyl-phenylether	10.986	248	108605	20.607	ng	96
68)	Hexachlorobenzene	11.063	284	115655	20.642	ng	99
69)	Atrazine	11.139	200	87958	20.722	ng	98
70)	Pentachlorophenol	11.257	266	47465	19.081	ng	98
71)	Phenanthrene	11.475	178	505004	20.895	ng	100
72)	Anthracene	11.522	178	520546	21.325	ng	100
73)	Carbazole	11.675	167	435759	21.107	ng	100
74)	Di-n-butylphthalate	12.004	149	433056	21.064	ng	100
75)	Fluoranthene	12.657	202	458001	21.327	ng	99
77)	Benzidine	12.775	184	178128	26.473	ng	99
78)	Pyrene	12.886	202	463473	22.435	ng	99
80)	Butylbenzylphthalate	13.498	149	105931	20.702	ng	99
81)	Benzo(a)anthracene	14.074	228	313332	20.706	ng	100
82)	3,3'-Dichlorobenzidine	14.033	252	90692	20.470	ng	98
83)	Chrysene	14.110	228	294690	21.065	ng	98
84)	Bis(2-ethylhexyl)phtha...	14.057	149	148211	20.395	ng	99
85)	Di-n-octyl phthalate	14.669	149	287456	19.503	ng	100
87)	Indeno(1,2,3-cd)pyrene	17.092	276	422226	20.929	ng	99
88)	Benzo(b)fluoranthene	15.133	252	311415	21.598	ng	99
89)	Benzo(k)fluoranthene	15.163	252	274840	19.326	ng	99
90)	Benzo(a)pyrene	15.510	252	283654	20.655	ng	99
91)	Dibenzo(a,h)anthracene	17.104	278	343124	21.179	ng	99
92)	Benzo(g,h,i)perylene	17.545	276	338060	20.888	ng	100

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

ICAL Form

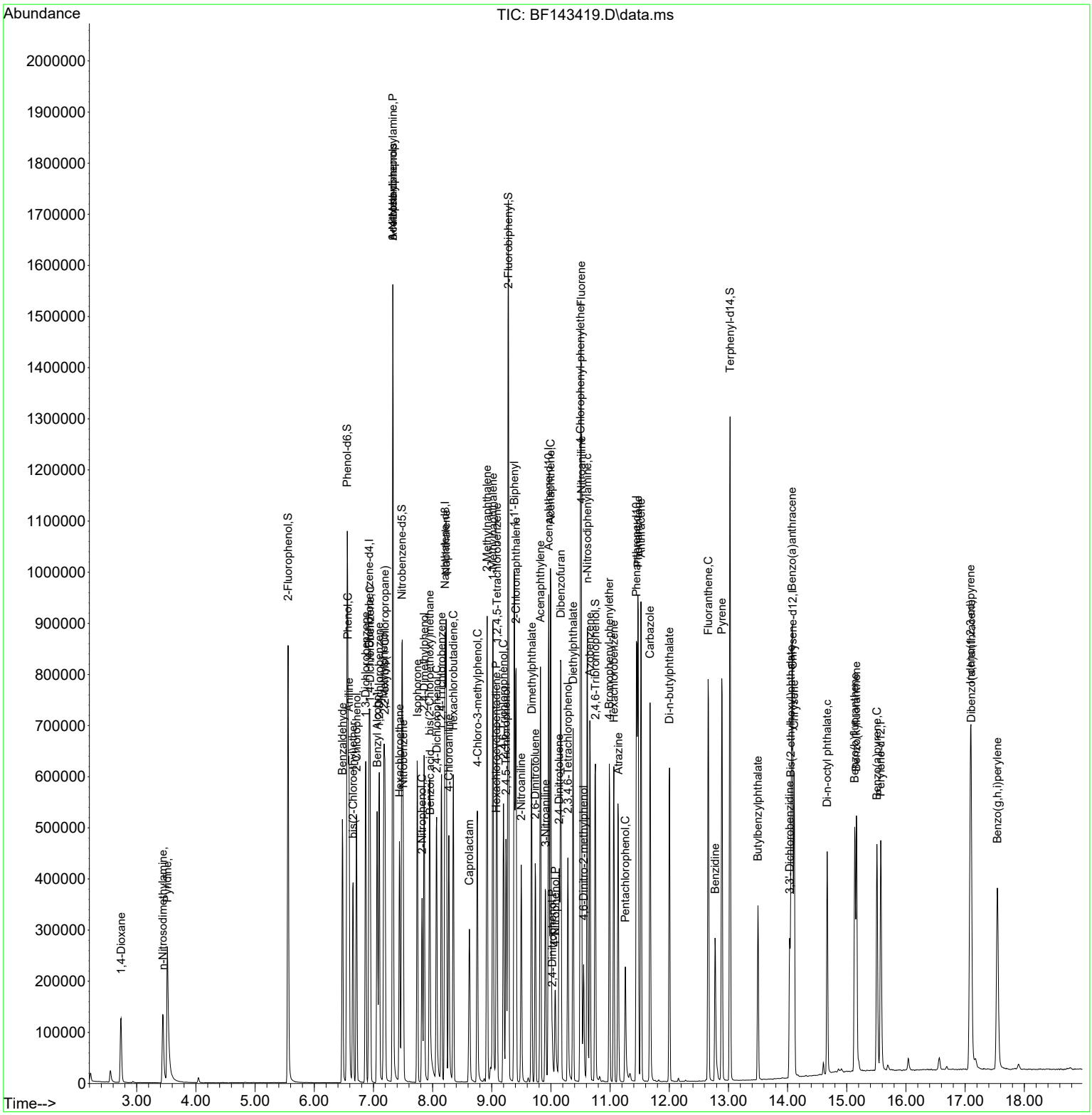
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143419.D
Acq On : 15 Aug 2025 15:58
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

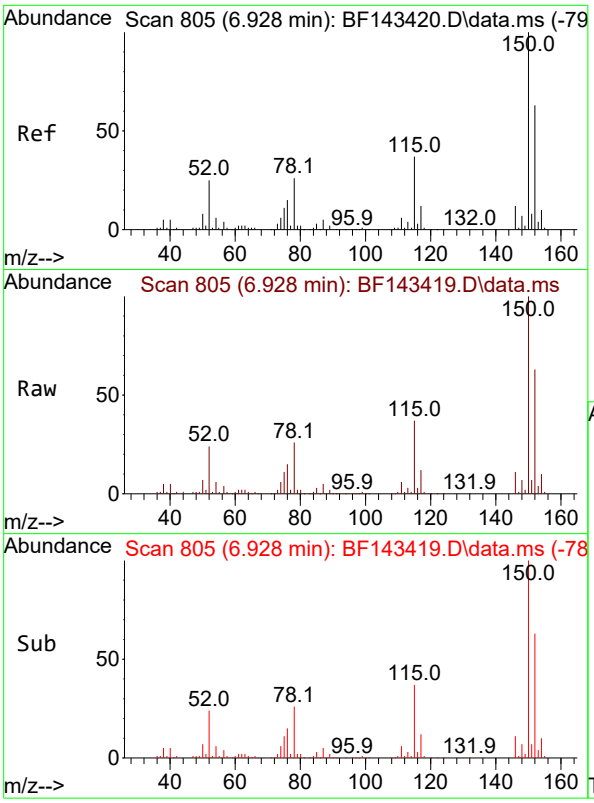
Quant Time: Aug 15 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

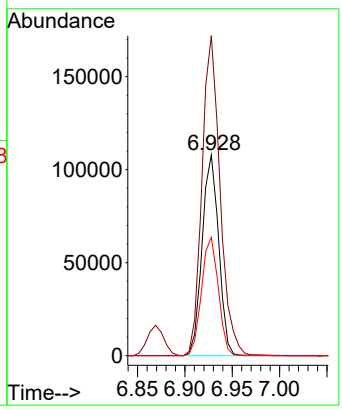




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:152 Resp: 13146

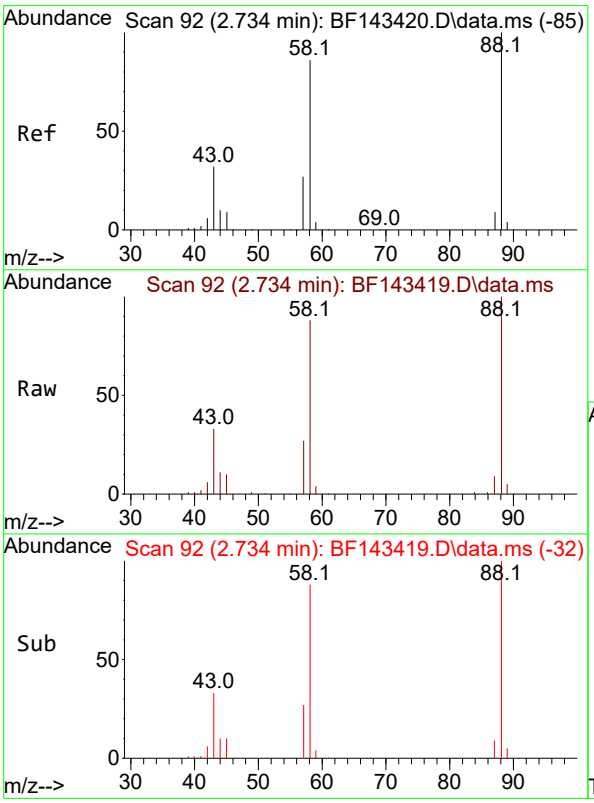
Ion	Ratio	Lower	Upper
152	100		
150	159.5	127.4	191.2
115	59.0	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

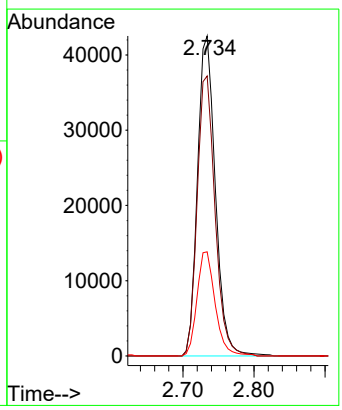
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

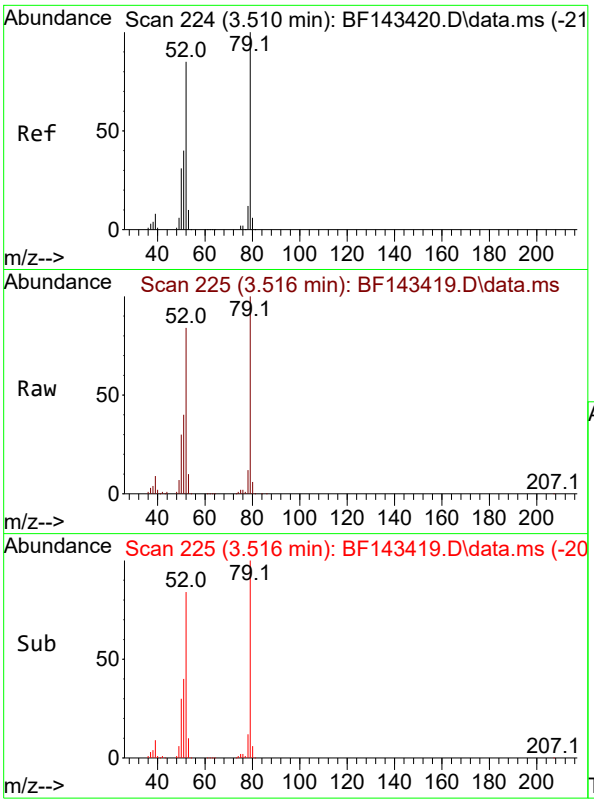


#2
1,4-Dioxane
Concen: 20.500 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 88 Resp: 74627

Ion	Ratio	Lower	Upper
88	100		
58	87.5	68.7	103.1
43	33.1	26.1	39.1

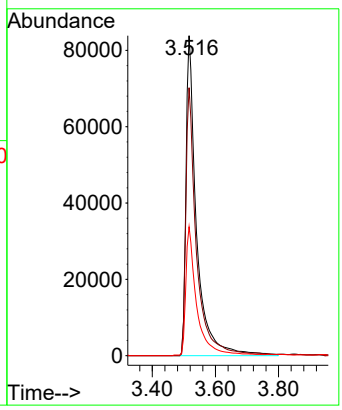




#3
Pyridine
Concen: 20.491 ng
RT: 3.516 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 79 Resp: 19563

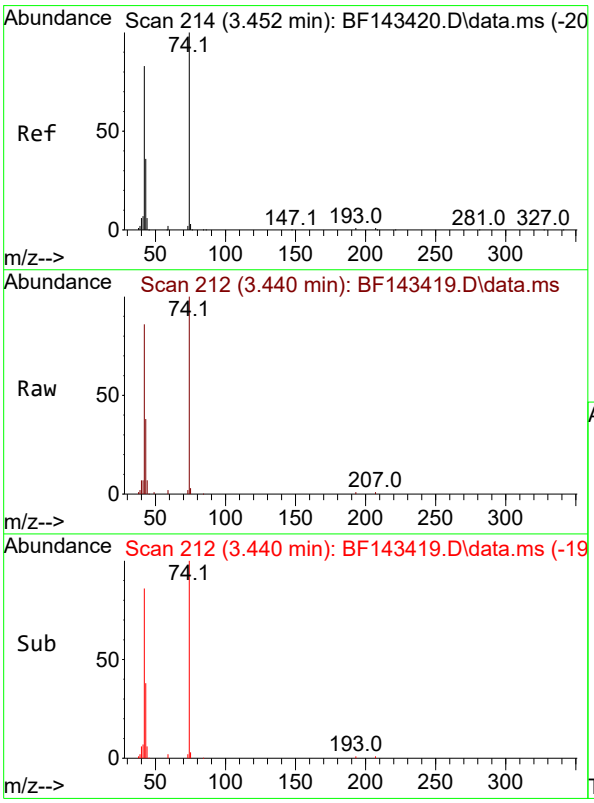
Ion	Ratio	Lower	Upper
79	100		
52	83.8	67.7	101.5
51	40.3	32.3	48.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

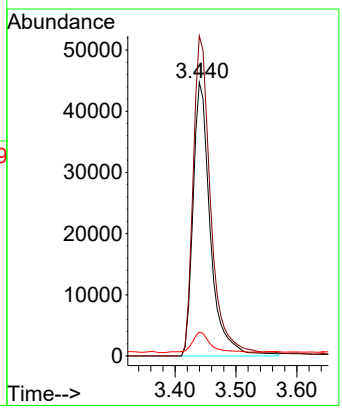
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

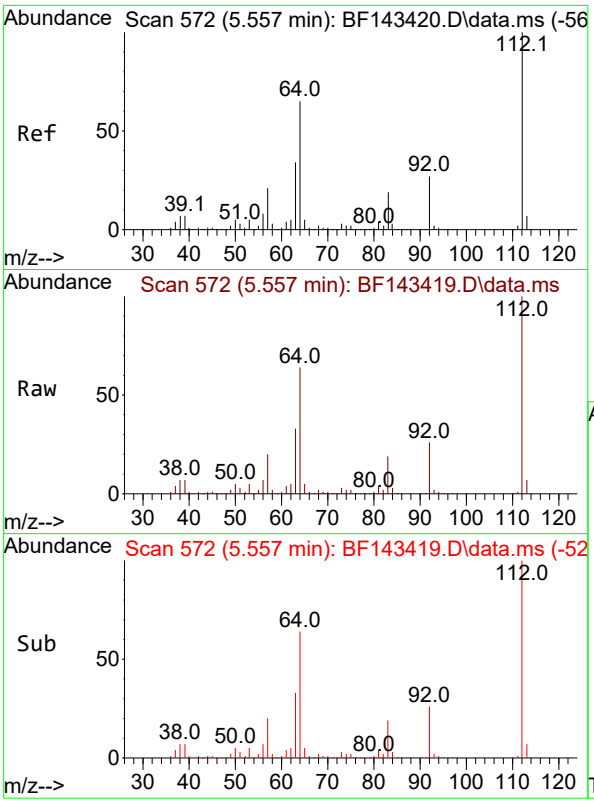


#4
n-Nitrosodimethylamine
Concen: 19.831 ng
RT: 3.440 min Scan# 212
Delta R.T. -0.012 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 42 Resp: 88004

Ion	Ratio	Lower	Upper
42	100		
74	117.0	96.2	144.4
44	8.7	5.9	8.9

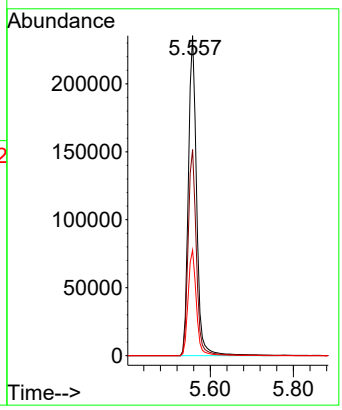




#5
2-Fluorophenol
Concen: 42.697 ng
RT: 5.557 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:112 Resp: 32290

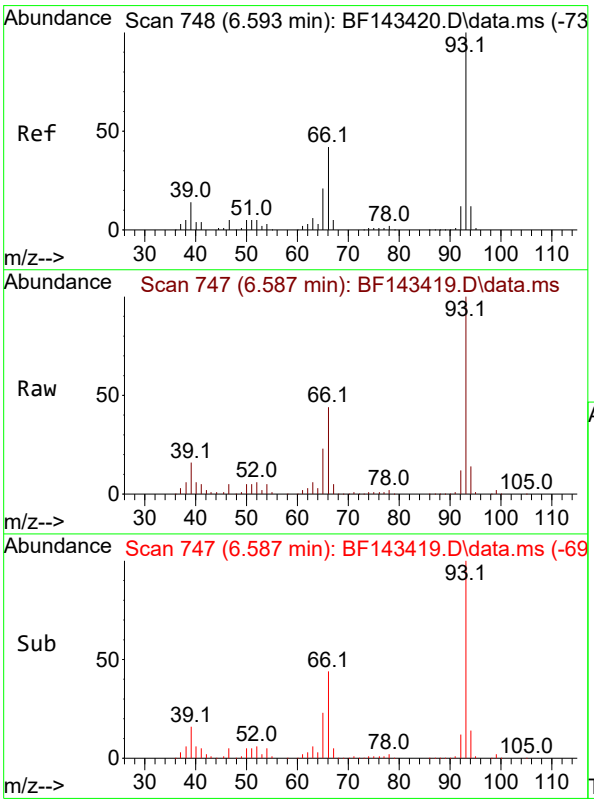
Ion	Ratio	Lower	Upper
112	100		
64	64.4	52.2	78.2
63	33.0	27.0	40.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

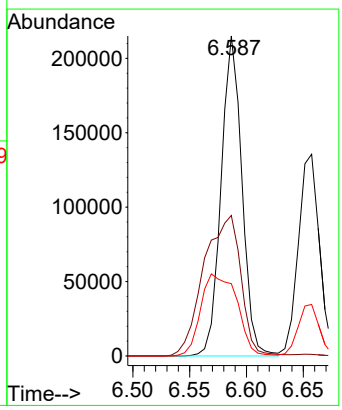
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

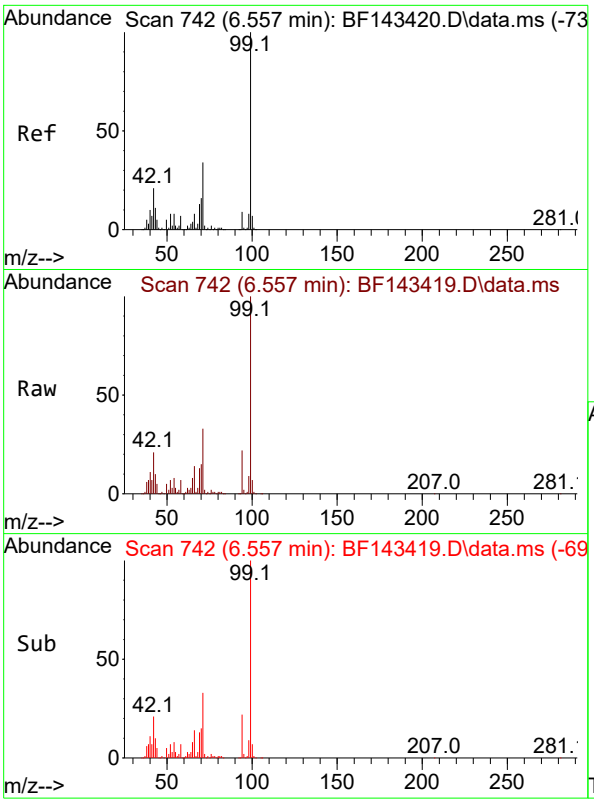


#6
Aniline
Concen: 21.194 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 93 Resp: 274228

Ion	Ratio	Lower	Upper
93	100		
66	43.9	33.8	50.8
65	22.6	17.2	25.8

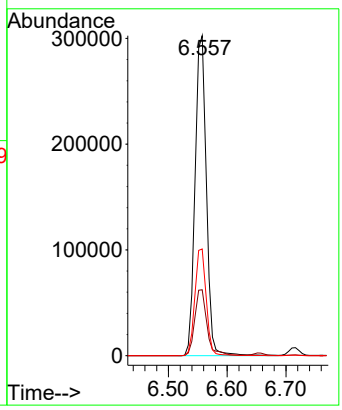




#7
Phenol-d6
Concen: 42.366 ng
RT: 6.557 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 99 Resp: 40378

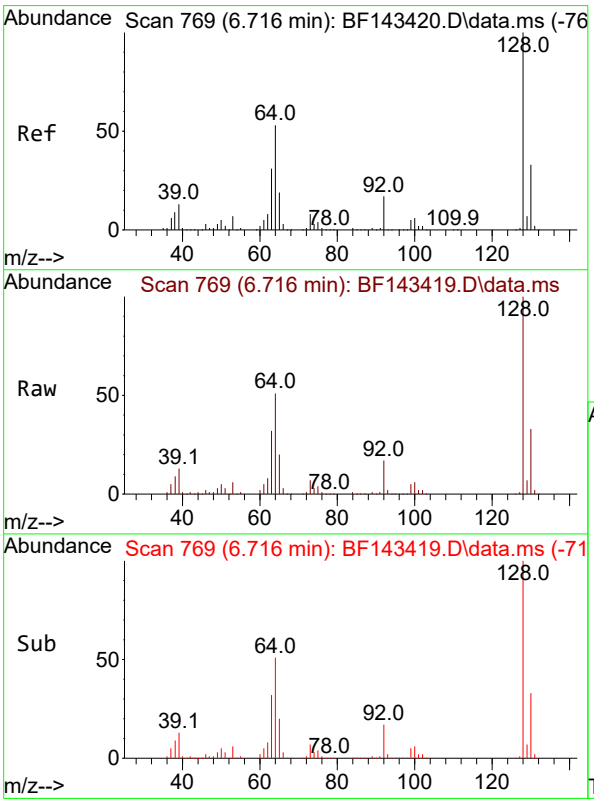
Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.6
71	33.4	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

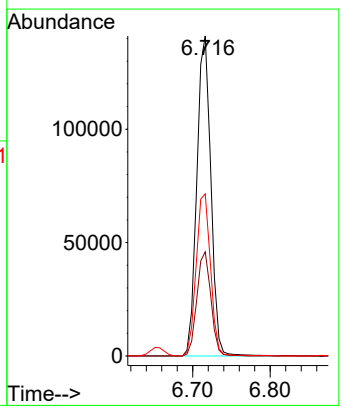
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

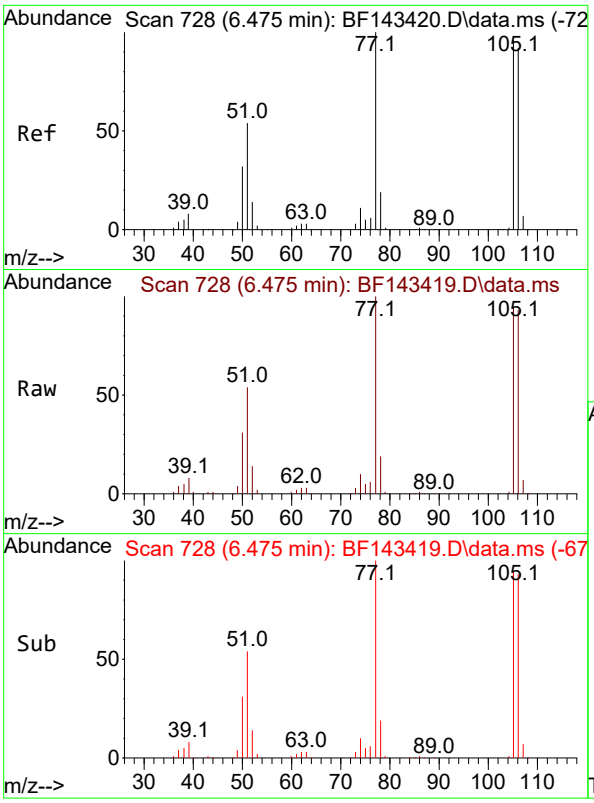


#8
2-Chlorophenol
Concen: 21.221 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:128 Resp: 177182

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	50.6	33.1	73.1

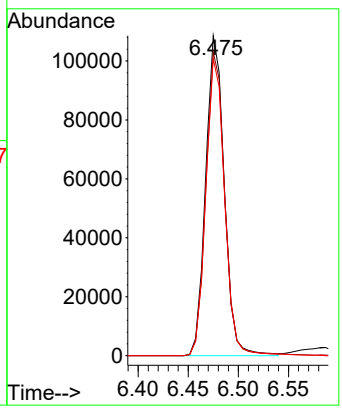




#9
Benzaldehyde
Concen: 27.706 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 77 Resp: 14047

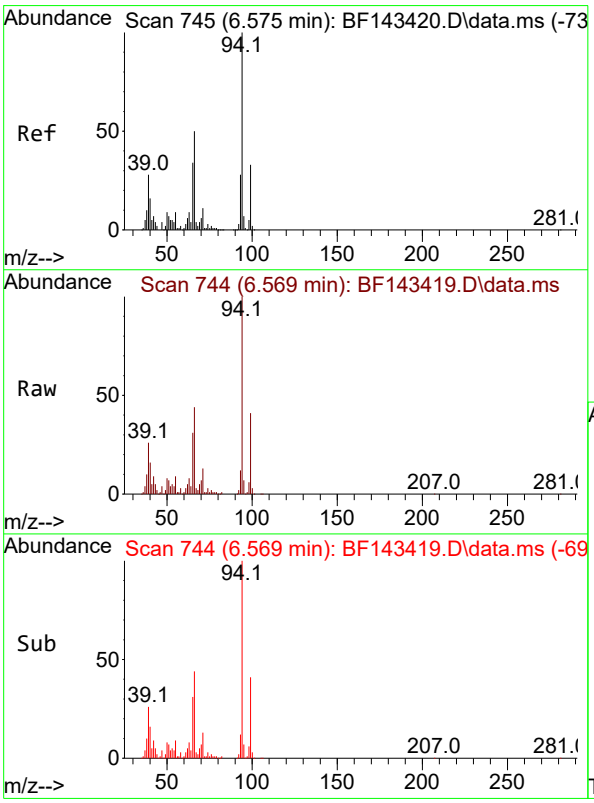
Ion	Ratio	Lower	Upper
77	100		
105	94.9	75.5	115.5
106	92.8	72.0	112.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

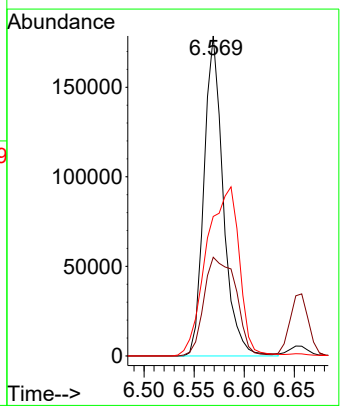
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

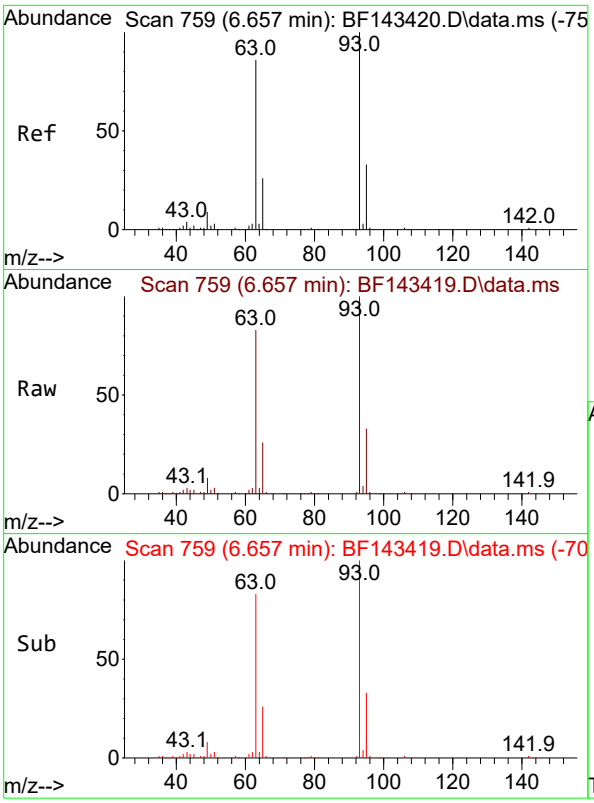


#10
Phenol
Concen: 21.530 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 94 Resp: 239446

Ion	Ratio	Lower	Upper
94	100		
65	30.9	13.7	53.7
66	43.6	30.3	70.3

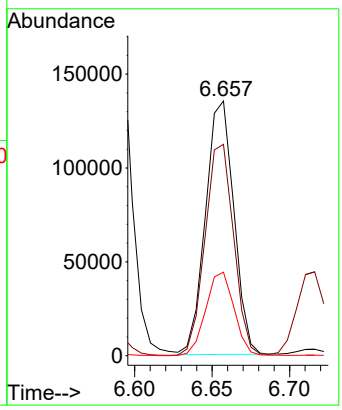




#11
bis(2-Chloroethyl)ether
Concen: 20.856 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 93 Resp: 17193

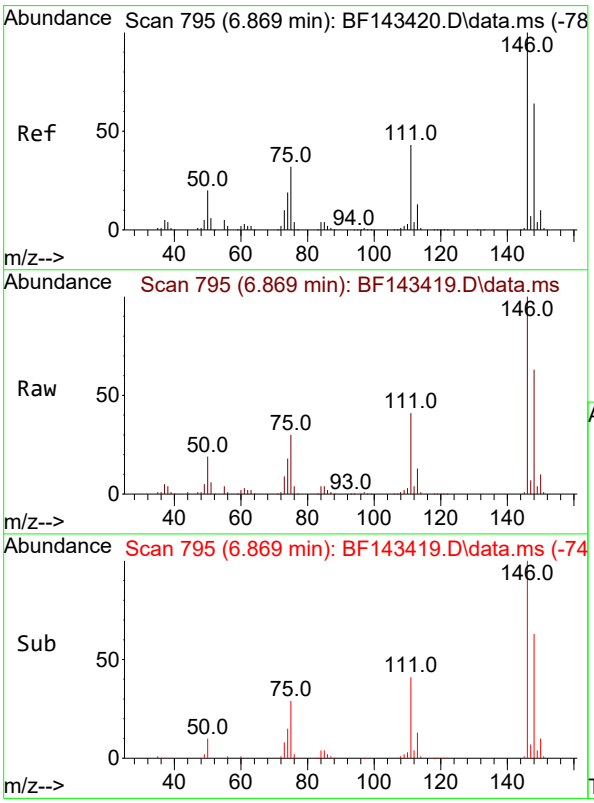
Ion	Ratio	Lower	Upper
93	100		
63	83.0	65.4	105.4
95	32.8	12.8	52.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

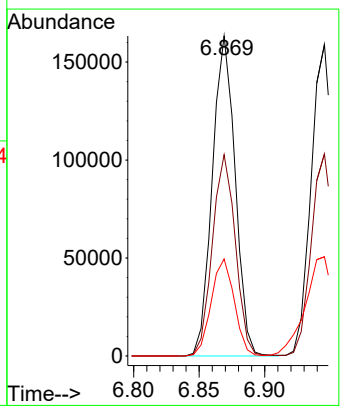
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

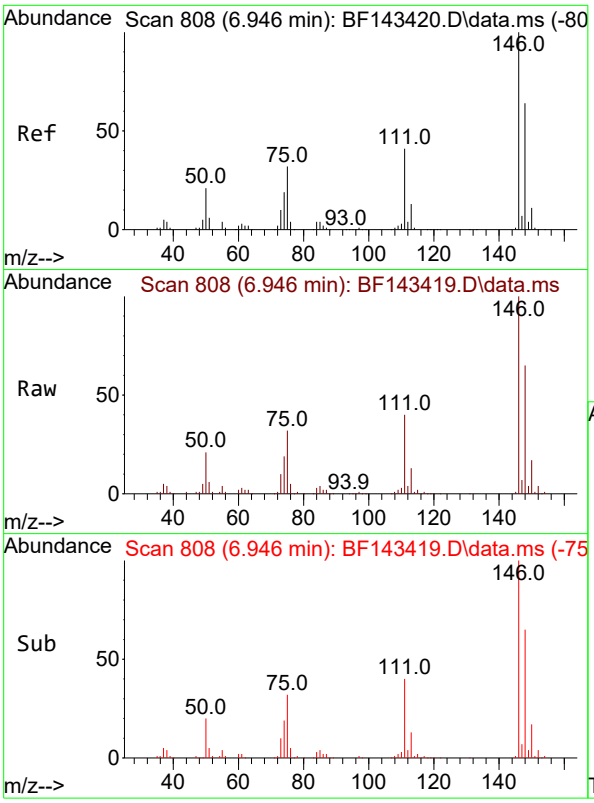


#12
1,3-Dichlorobenzene
Concen: 21.118 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:146 Resp: 197517

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.4
75	30.3	25.3	37.9

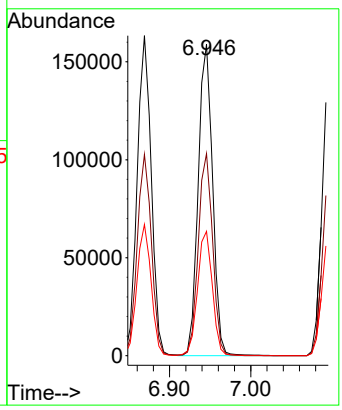




#13
1,4-Dichlorobenzene
Concen: 21.024 ng
RT: 6.946 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:146 Resp: 19630

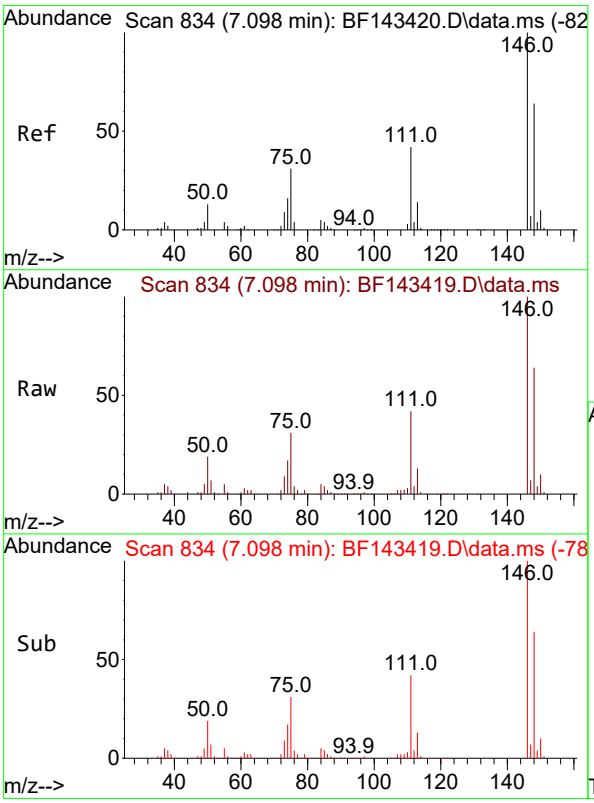
Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.1	76.7
111	39.9	32.5	48.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

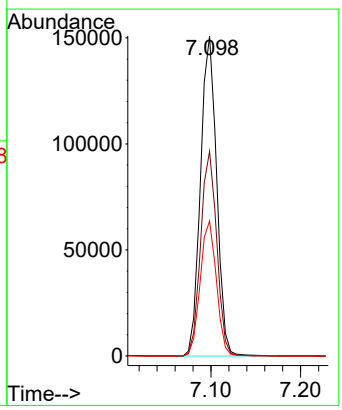
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

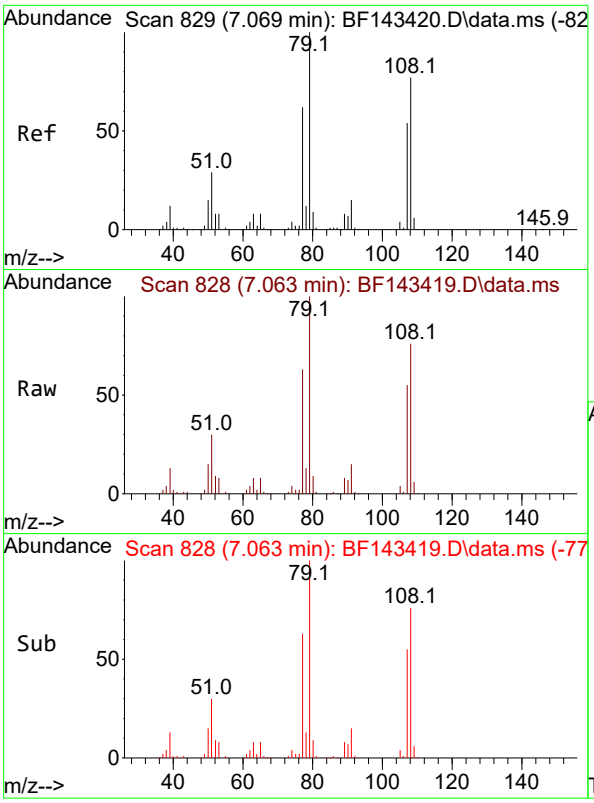


#14
1,2-Dichlorobenzene
Concen: 21.088 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:146 Resp: 188077

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
111	42.2	33.9	50.9





#15
Benzyl Alcohol
Concen: 20.755 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

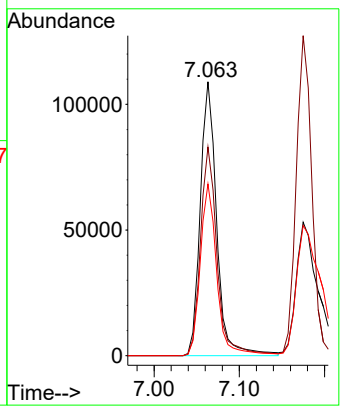
Tgt Ion: 79 Resp: 14588

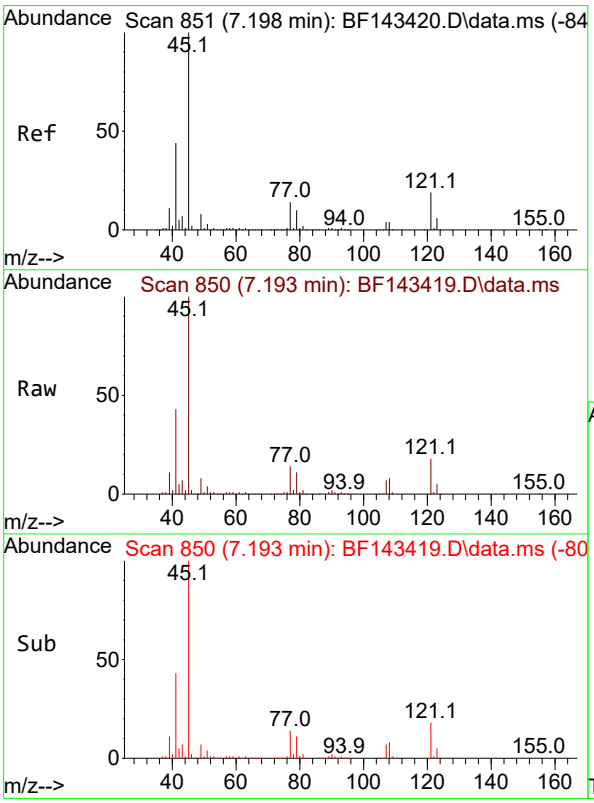
Ion	Ratio	Lower	Upper
79	100		
108	76.2	61.9	92.9
77	62.7	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

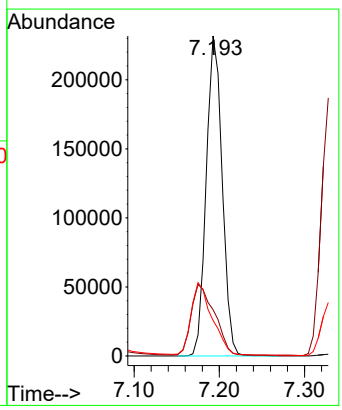


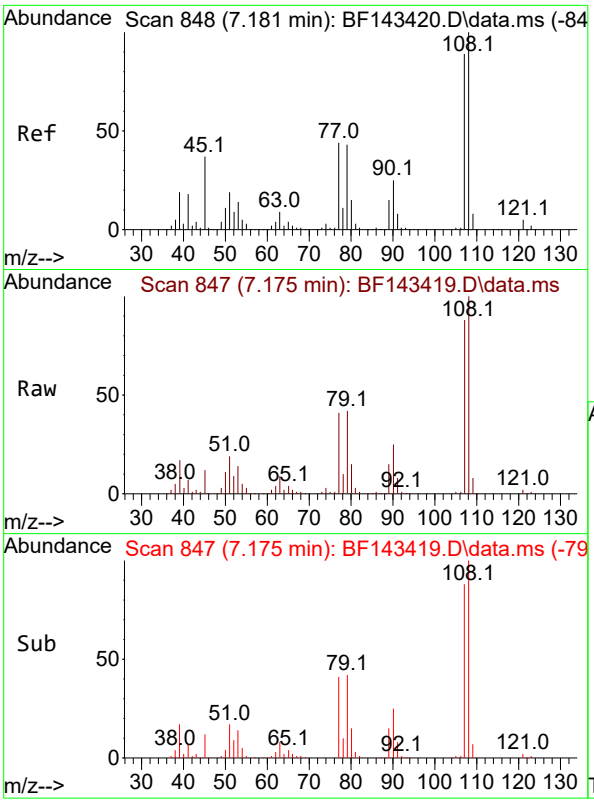


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.369 ng
RT: 7.193 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 45 Resp: 301172

Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	33.9
79	11.1	0.0	30.7

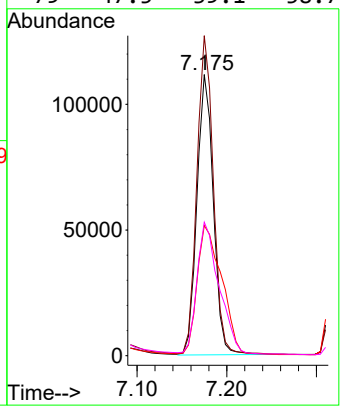




#17
2-Methylphenol
Concen: 20.838 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:107 Resp: 14195

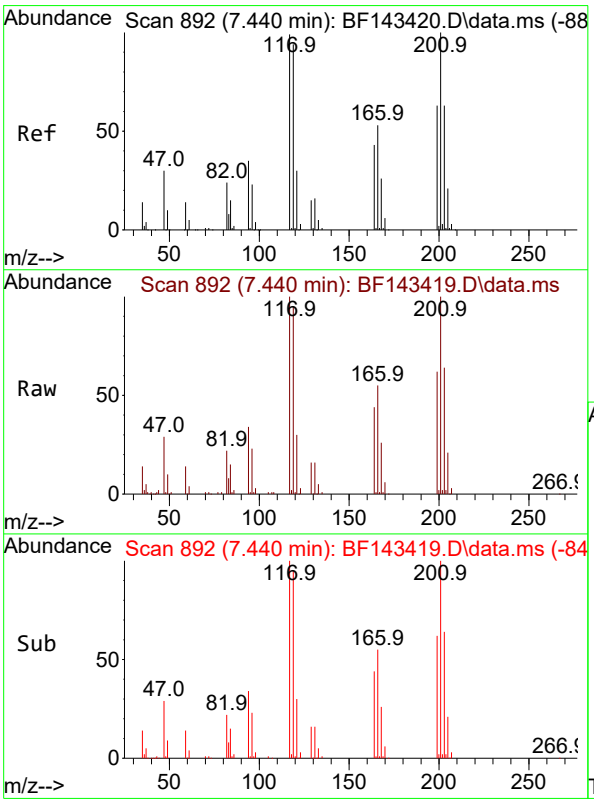
Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.1	135.1
77	46.2	39.9	59.9
79	47.5	39.1	58.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

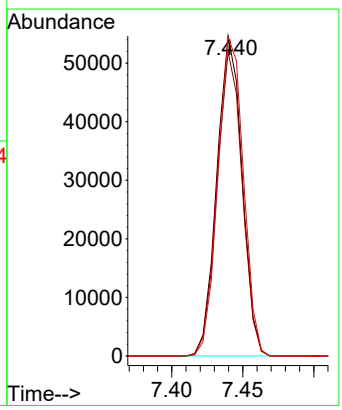
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

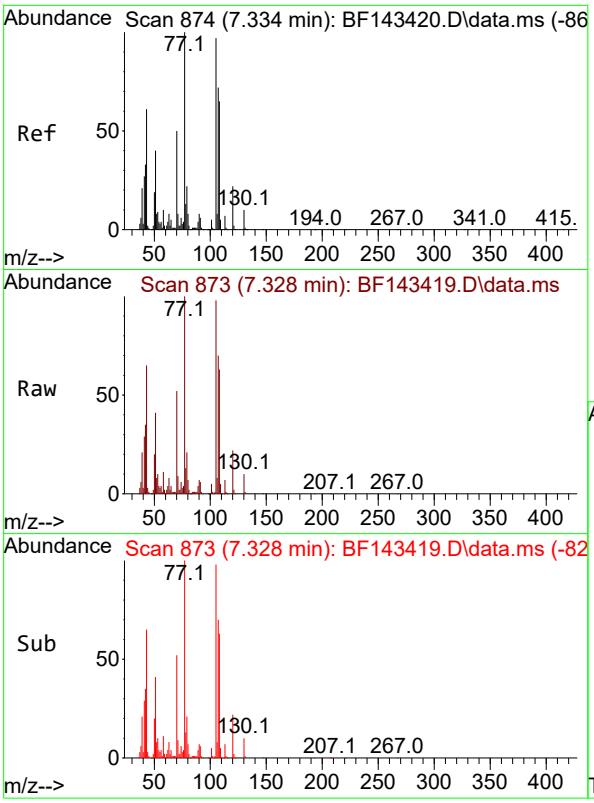


#18
Hexachloroethane
Concen: 21.238 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:117 Resp: 67502

Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.6	114.8
201	99.8	81.0	121.4

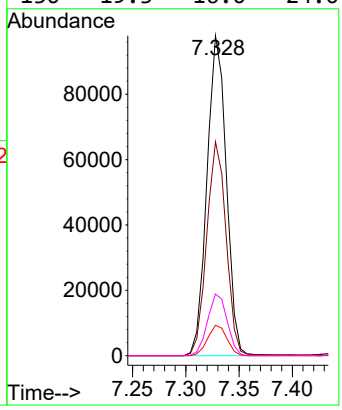




#19
n-Nitroso-di-n-propylamine
Concen: 20.987 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 70 Resp: 12382

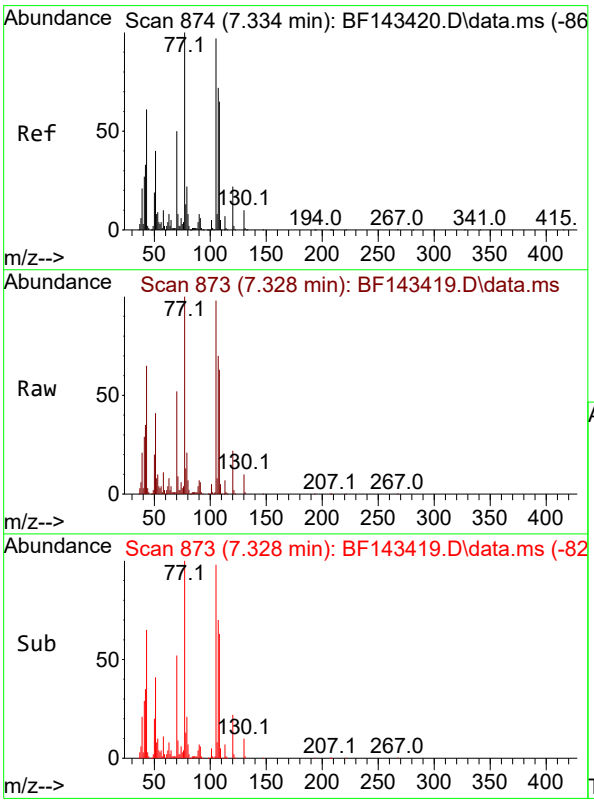
Ion	Ratio	Lower	Upper
70	100		
42	66.9	52.5	78.7
101	9.5	7.9	11.9
130	19.3	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

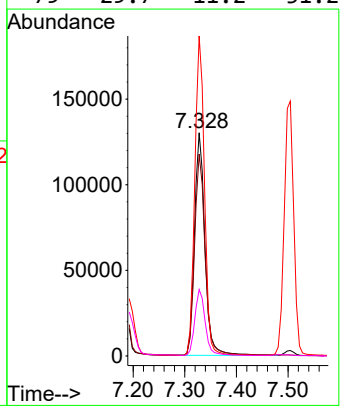
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

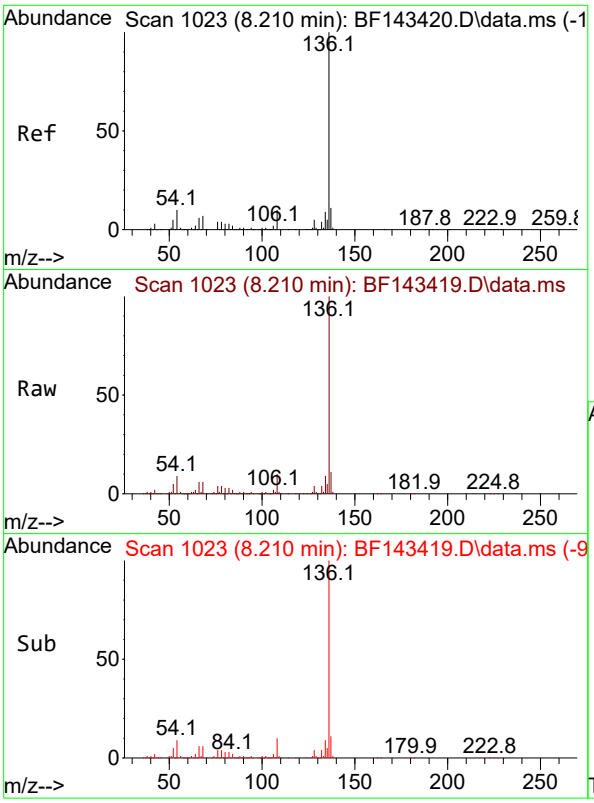


#20
3+4-Methylphenols
Concen: 22.454 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:107 Resp: 182897

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.8	110.8
77	143.3	119.1	159.1
79	29.7	11.2	51.2

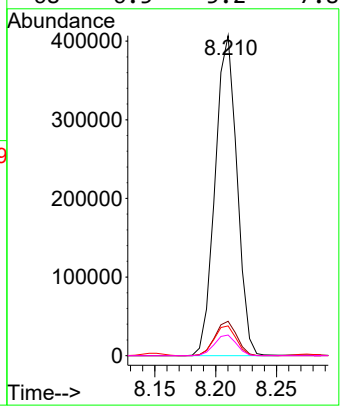




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:136 Resp: 50895

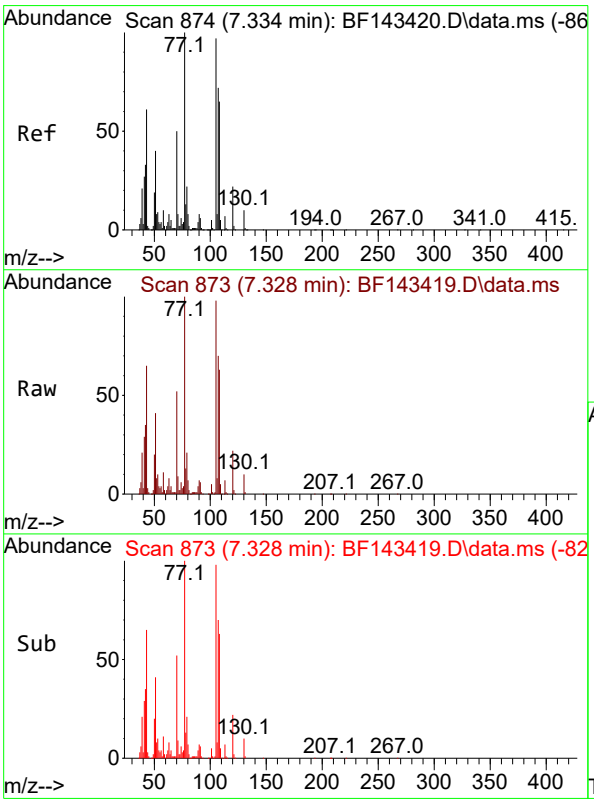
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.3	7.8	11.8
68	6.5	5.2	7.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

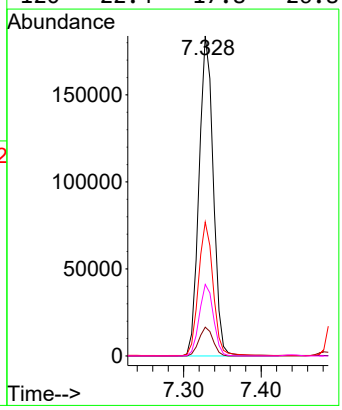
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

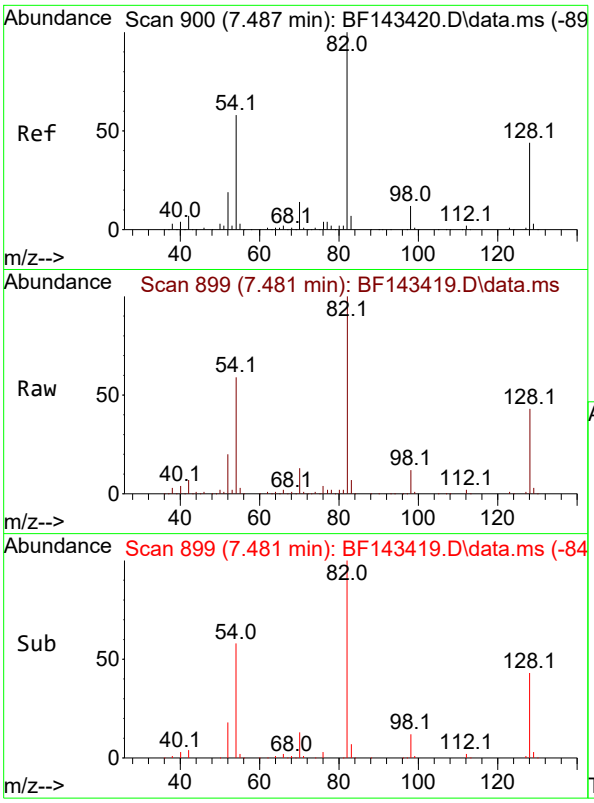


#22
Acetophenone
Concen: 21.468 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:105 Resp: 234922

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.0	10.4
51	41.9	32.7	49.1
120	22.4	17.8	26.8

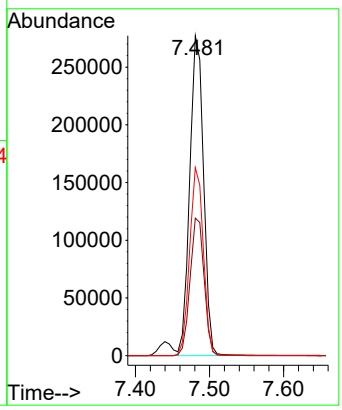




#23
Nitrobenzene-d5
Concen: 41.772 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 82 Resp: 35827

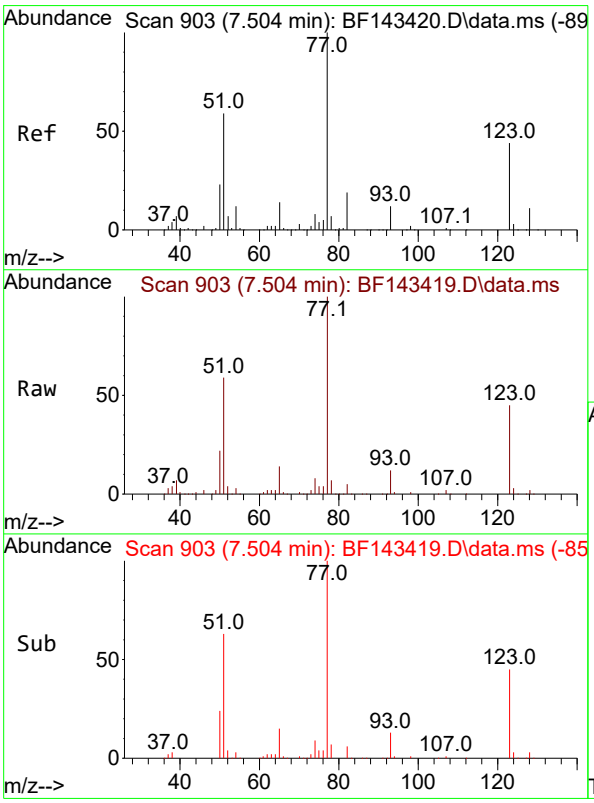
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	52.0
54	58.7	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

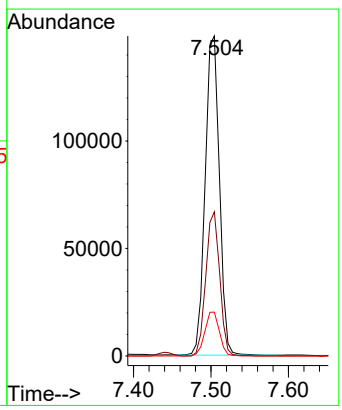
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

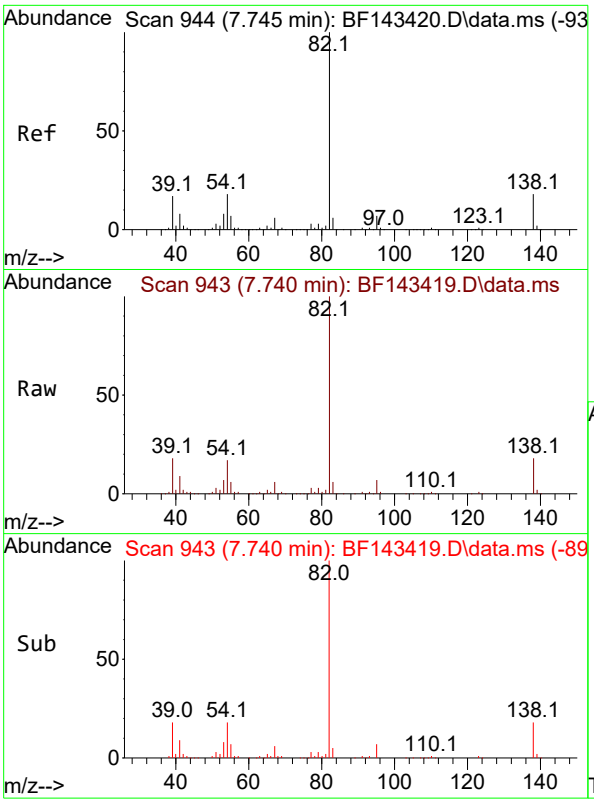


#24
Nitrobenzene
Concen: 21.143 ng
RT: 7.504 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 77 Resp: 189535

Ion	Ratio	Lower	Upper
77	100		
123	45.1	35.4	53.0
65	13.7	11.2	16.8

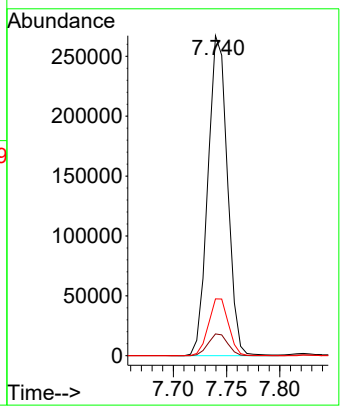




#25
Isophorone
Concen: 20.794 ng
RT: 7.740 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 82 Resp: 34135

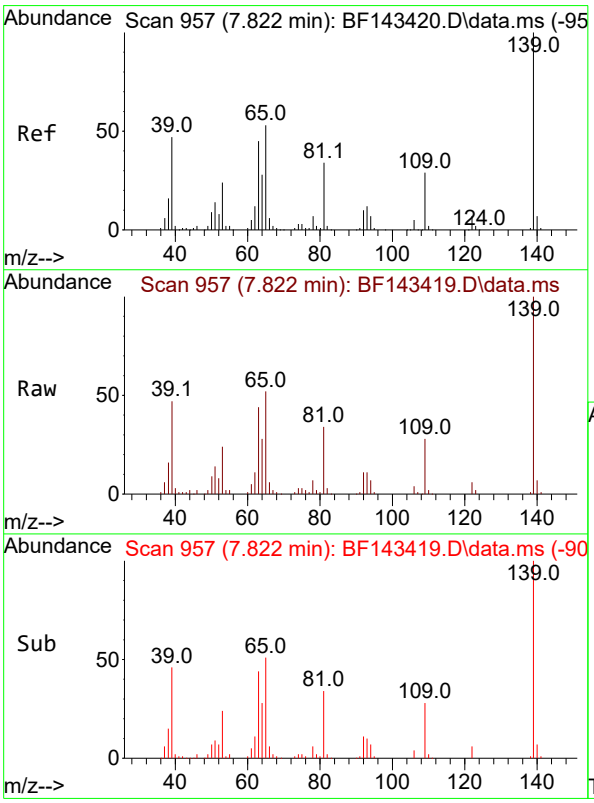
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.6	8.4
138	17.8	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

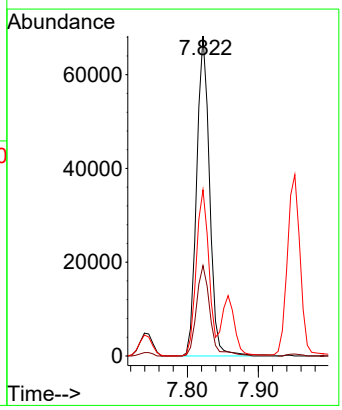
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

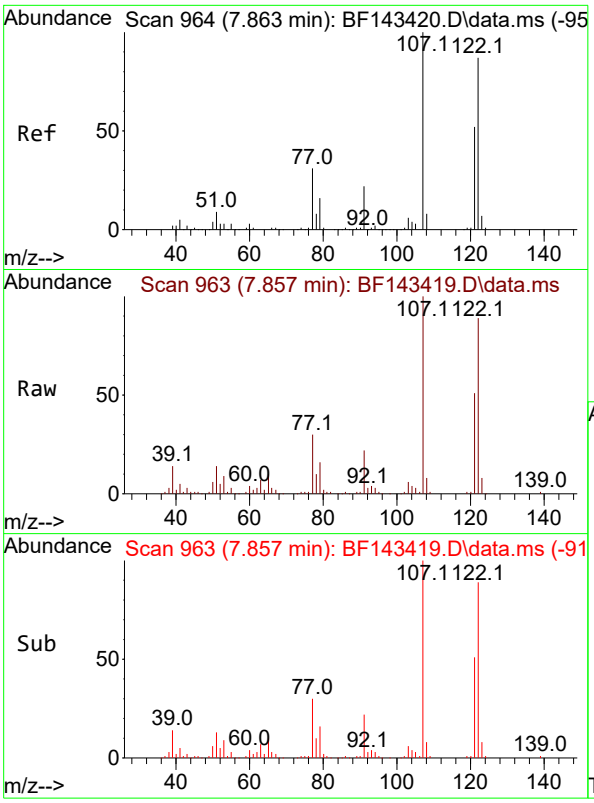


#26
2-Nitrophenol
Concen: 20.862 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:139 Resp: 86694

Ion	Ratio	Lower	Upper
139	100		
109	28.2	23.0	34.4
65	51.9	42.5	63.7

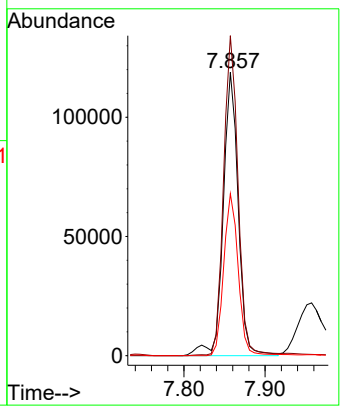




#27
2,4-Dimethylphenol
Concen: 21.796 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:122 Resp: 15314

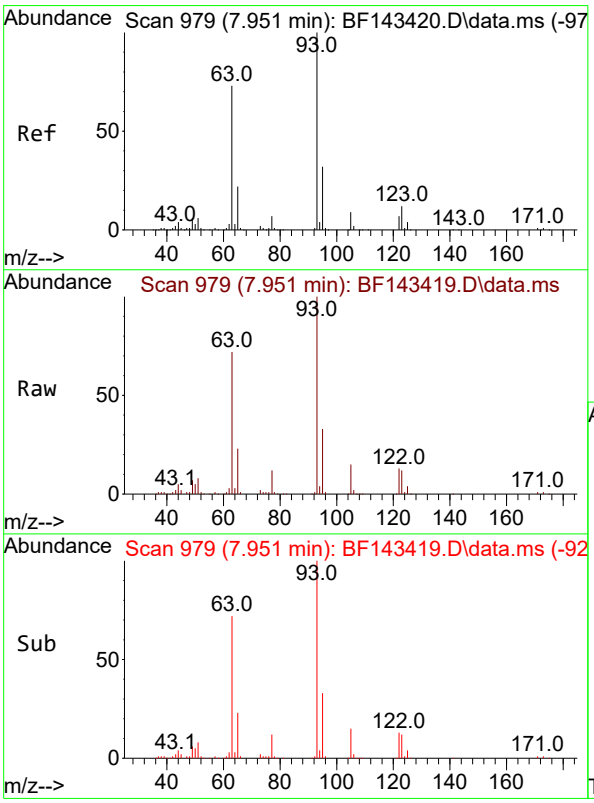
Ion	Ratio	Lower	Upper
122	100		
107	112.9	90.4	135.6
121	57.2	46.7	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

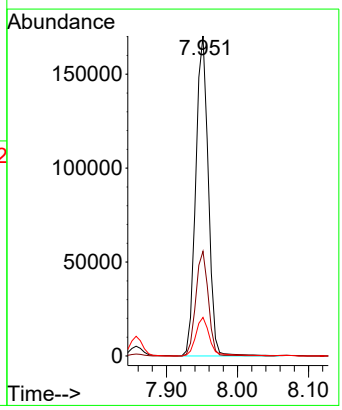
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

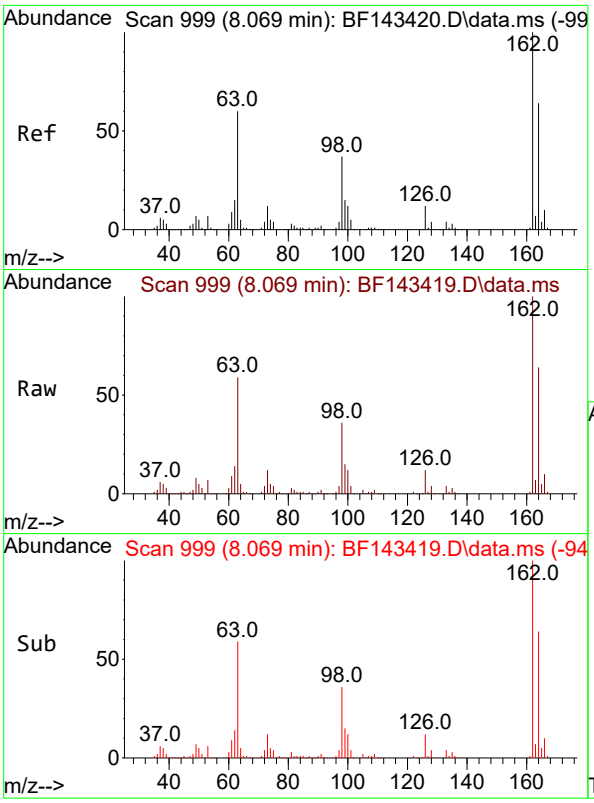


#28
bis(2-Chloroethoxy)methane
Concen: 20.840 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 93 Resp: 210282

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	12.1	9.5	14.3





#29
2,4-Dichlorophenol
Concen: 21.374 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

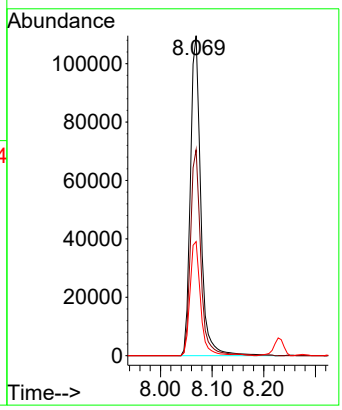
Tgt Ion:162 Resp: 15309

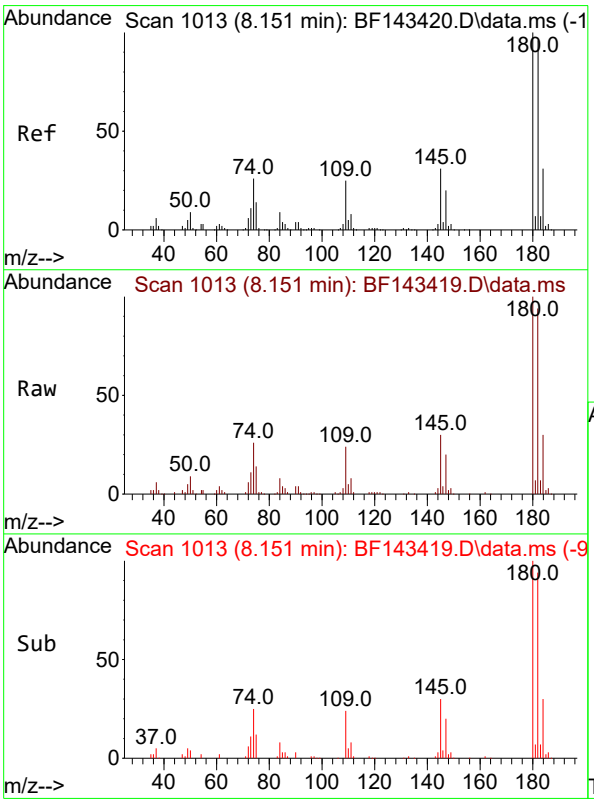
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	35.7	16.9	56.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

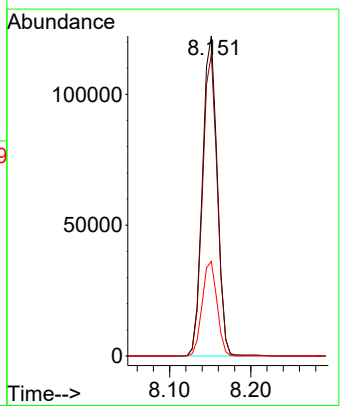


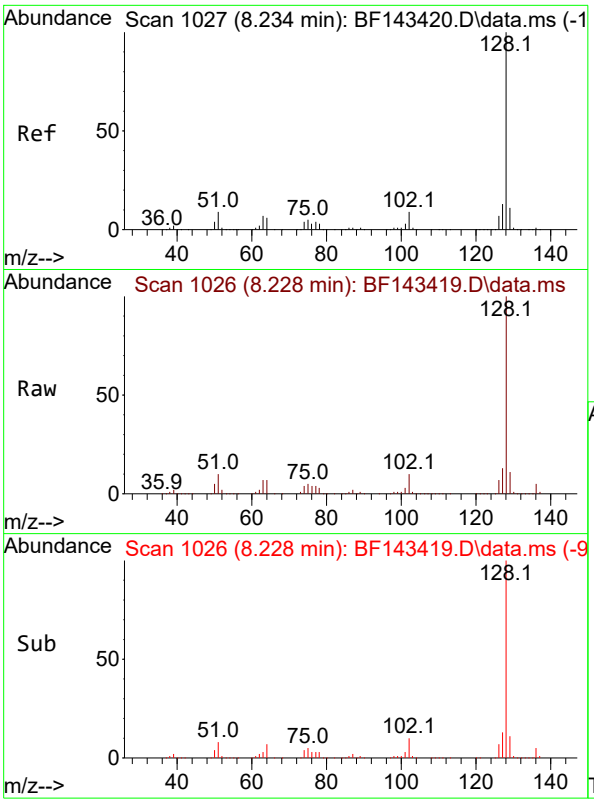


#30
1,2,4-Trichlorobenzene
Concen: 21.058 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:180 Resp: 154544

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.7	115.1
145	29.5	24.5	36.7





#31
Naphthalene
Concen: 21.346 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

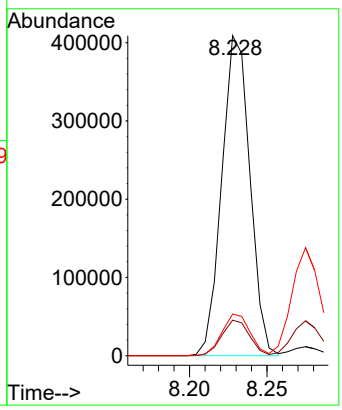
Tgt Ion:128 Resp: 51577

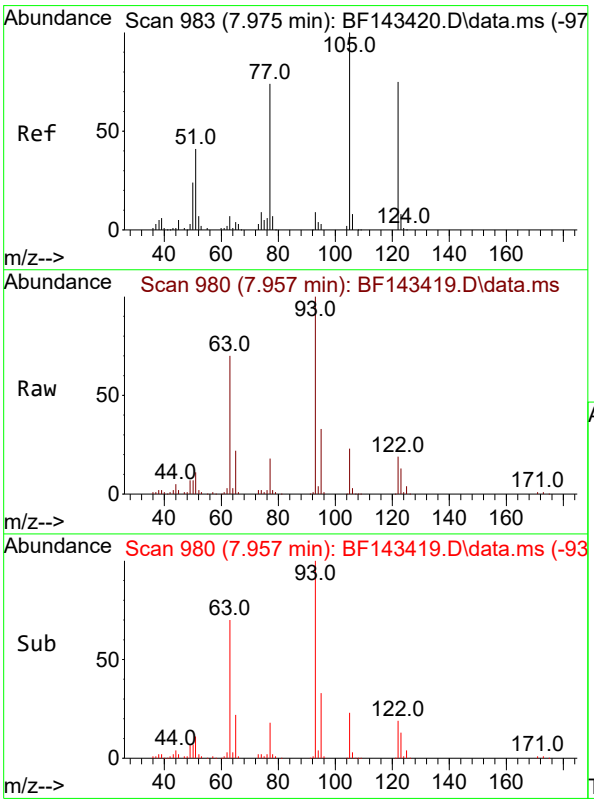
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.0	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

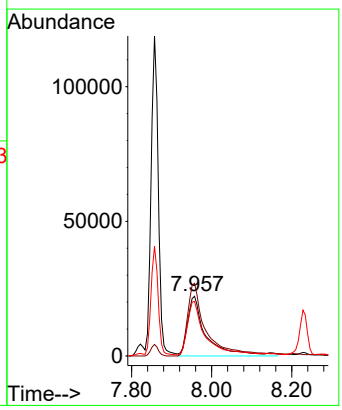


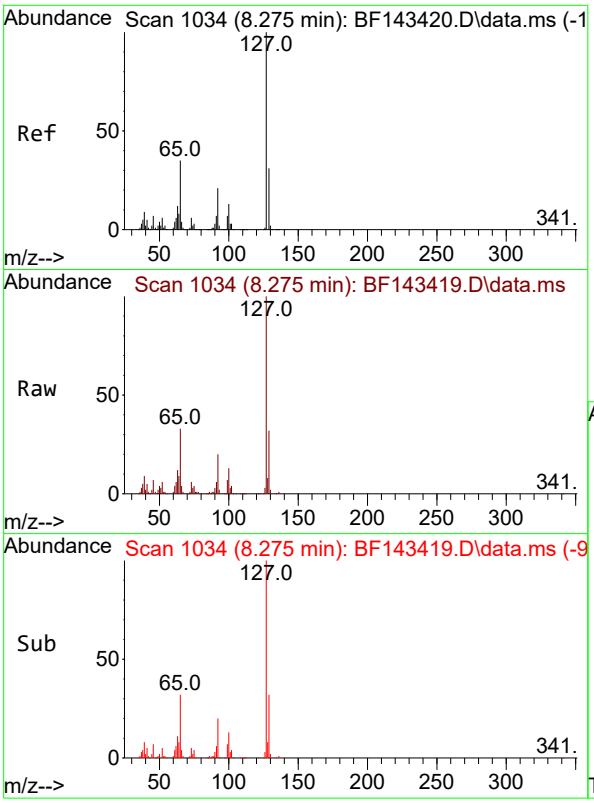


#32
Benzoic acid
Concen: 19.776 ng m
RT: 7.957 min Scan# 980
Delta R.T. -0.018 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:122 Resp: 71922

Ion	Ratio	Lower	Upper
122	100		
105	121.7	108.4	148.4
77	91.3	75.9	115.9

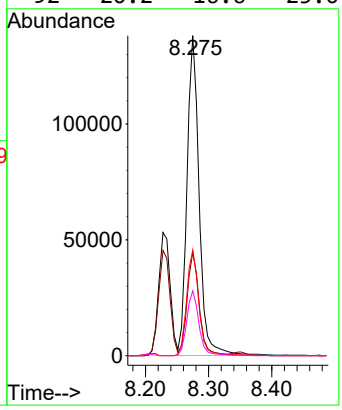




#33
4-Chloroaniline
Concen: 21.143 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:127 Resp: 18440

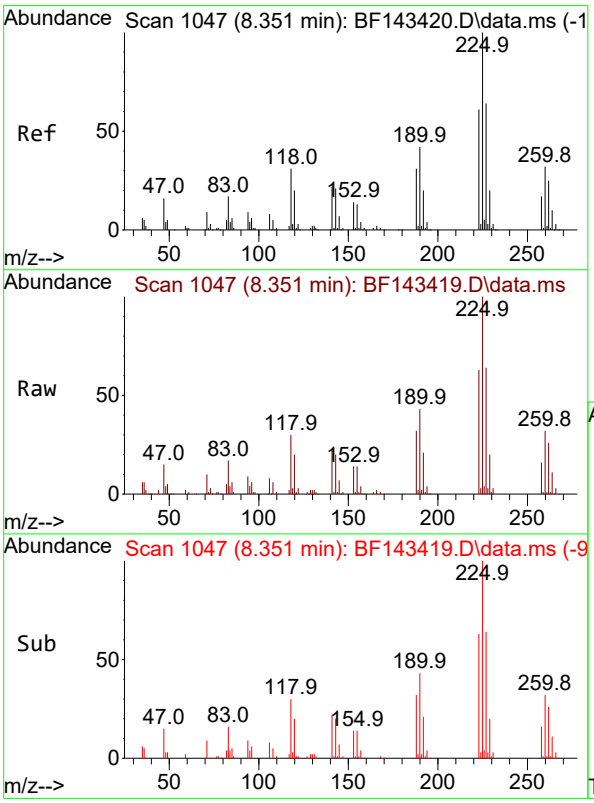
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.8
65	33.1	27.2	40.8
92	20.2	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

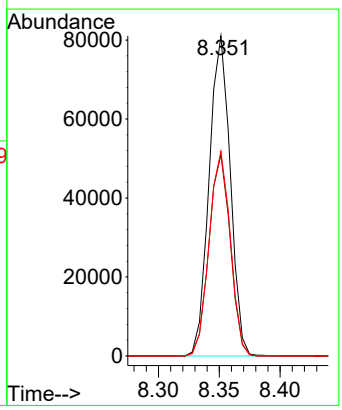
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

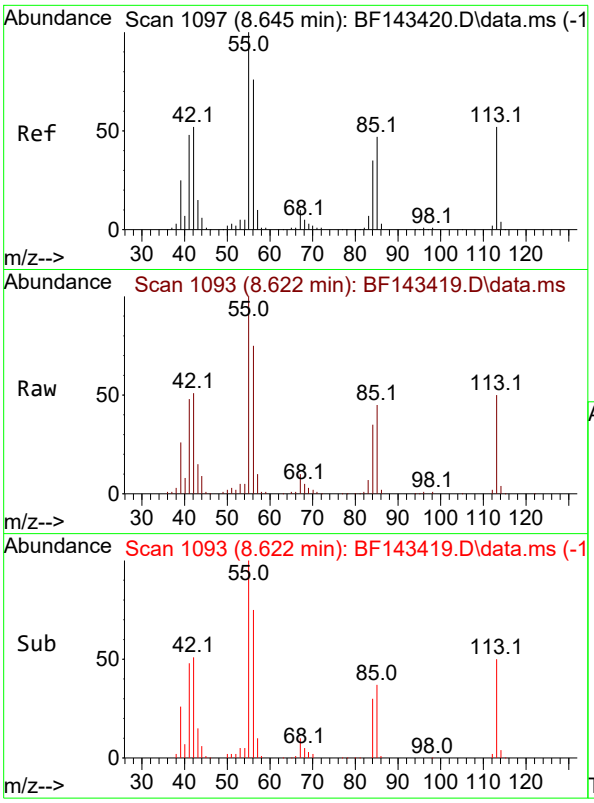


#34
Hexachlorobutadiene
Concen: 20.903 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:225 Resp: 97824

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.0	73.6
227	64.0	51.1	76.7

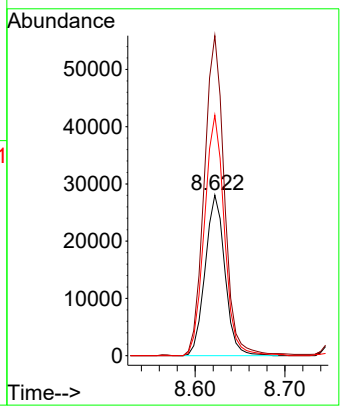




#35
Caprolactam
Concen: 20.770 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:113 Resp: 4283

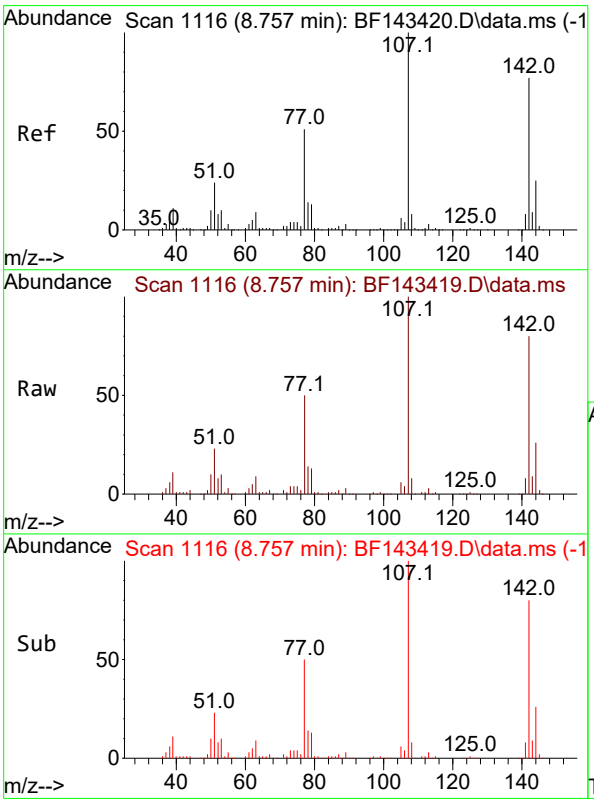
Ion	Ratio	Lower	Upper
113	100		
55	199.3	174.7	214.7
56	149.7	127.0	167.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

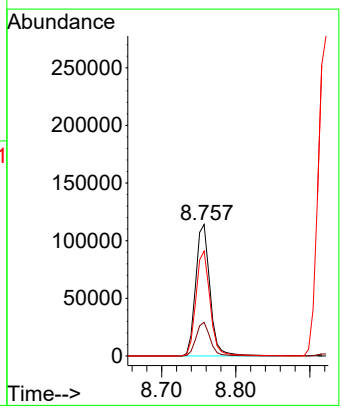
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

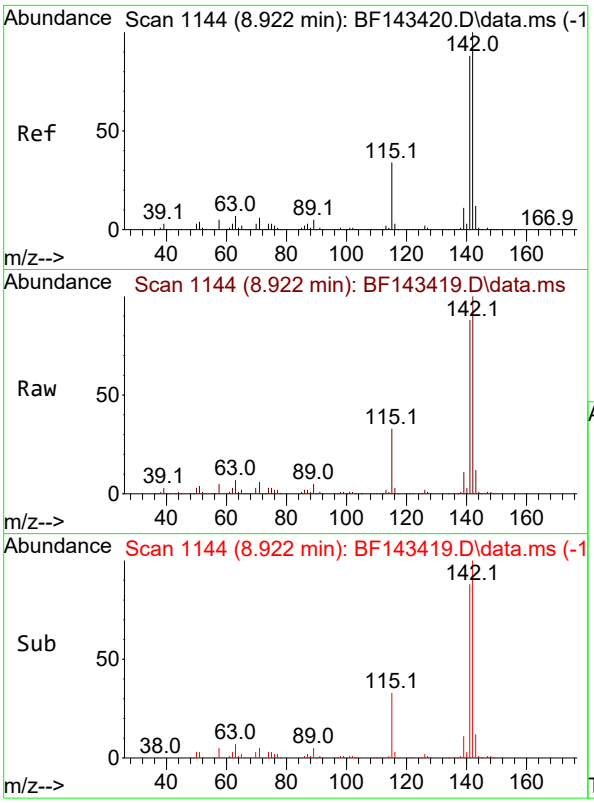


#36
4-Chloro-3-methylphenol
Concen: 20.795 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:107 Resp: 153403

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.2	30.2
142	79.7	62.0	93.0





#37
2-Methylnaphthalene
Concen: 21.475 ng
RT: 8.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

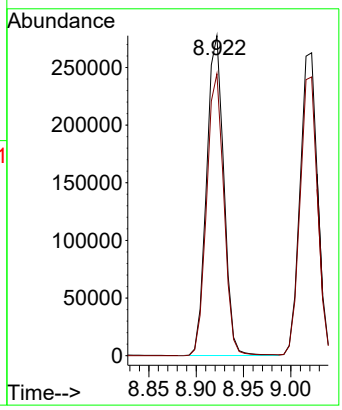
Tgt Ion:142 Resp: 34976

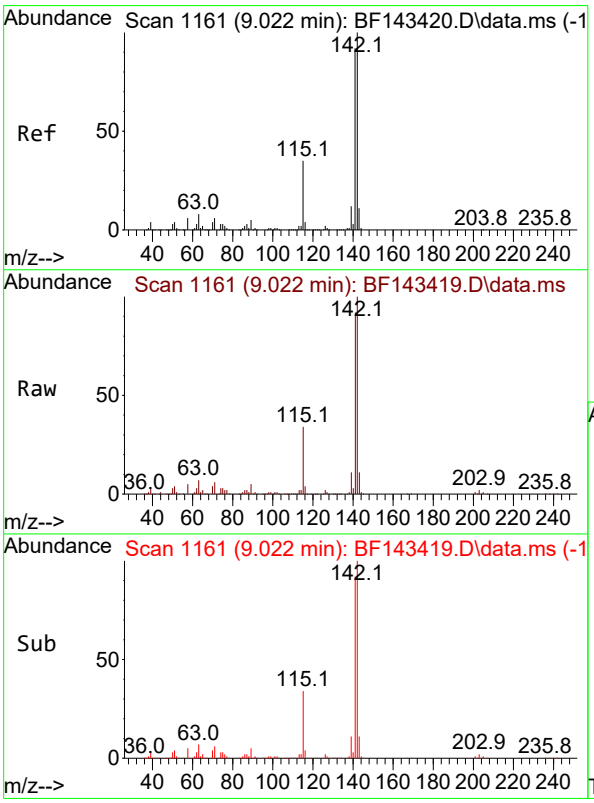
Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

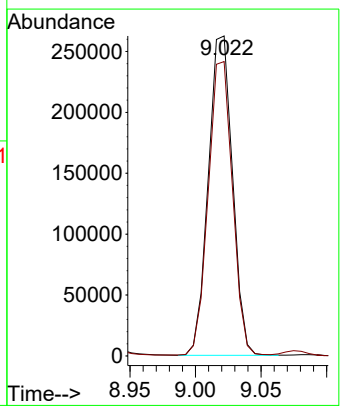


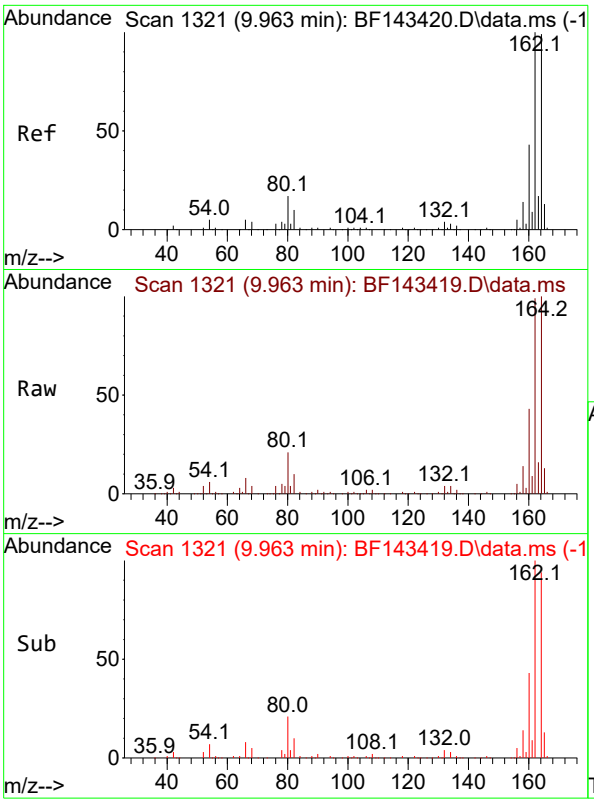


#38
1-Methylnaphthalene
Concen: 21.600 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:142 Resp: 337056

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.8	110.6

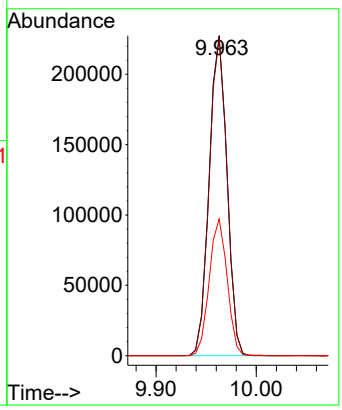




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:164 Resp: 28175

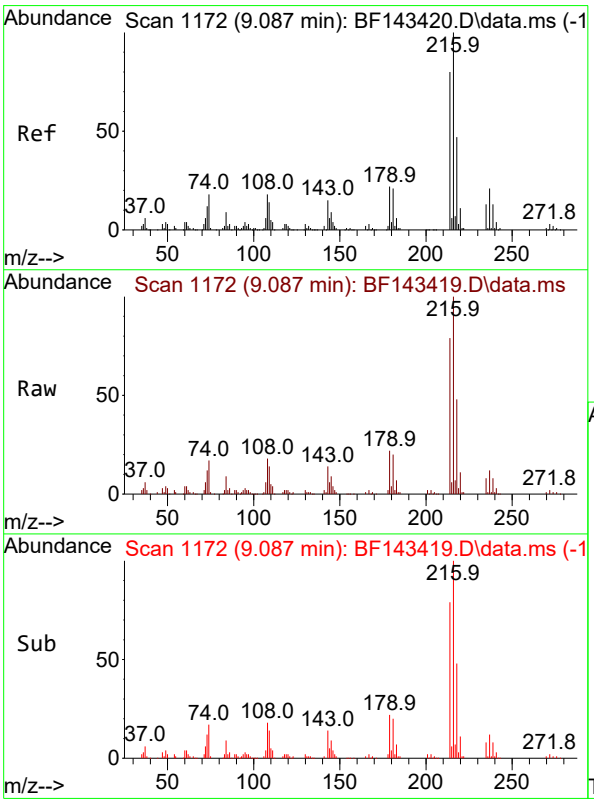
Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.6	121.0
160	42.8	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

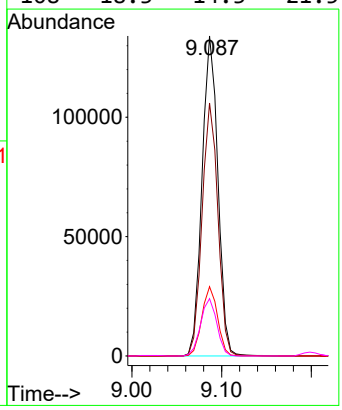
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

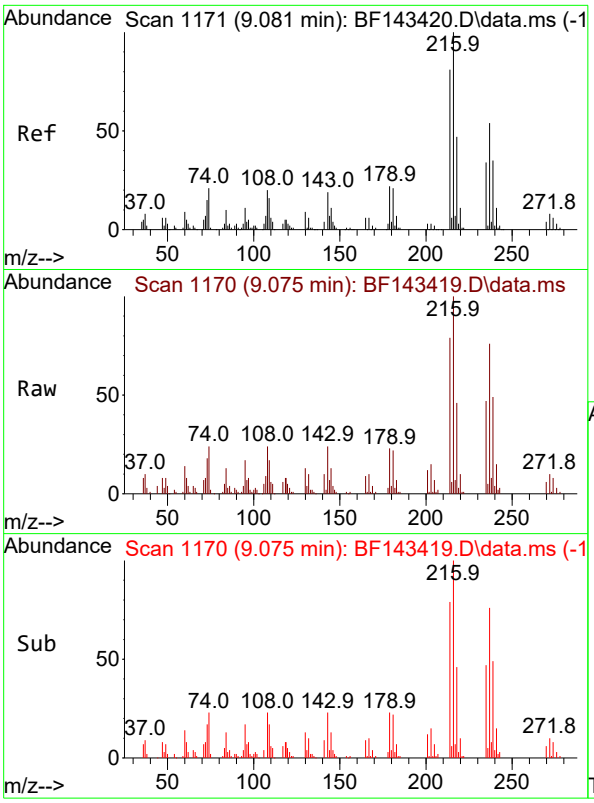


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.965 ng
RT: 9.087 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:216 Resp: 164739

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.7	95.5
179	21.4	17.0	25.4
108	18.3	14.3	21.5





#41
Hexachlorocyclopentadiene
Concen: 19.242 ng
RT: 9.075 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

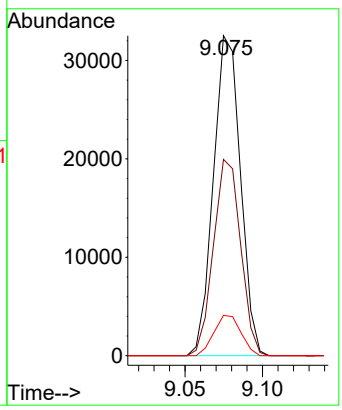
Tgt Ion:237 Resp: 3949

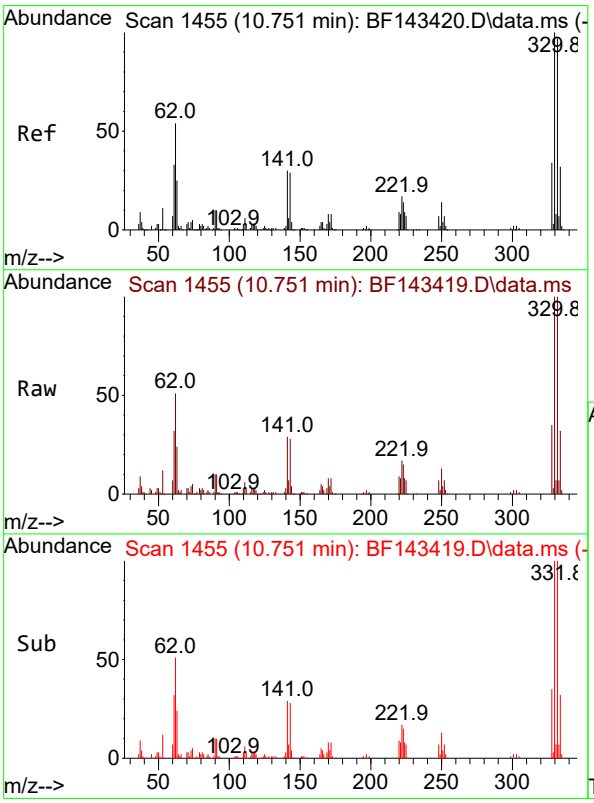
Ion	Ratio	Lower	Upper
237	100		
235	61.4	41.6	81.6
272	12.6	0.0	33.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

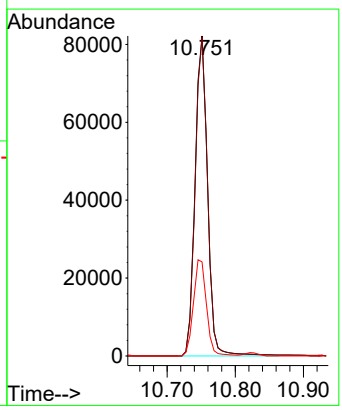


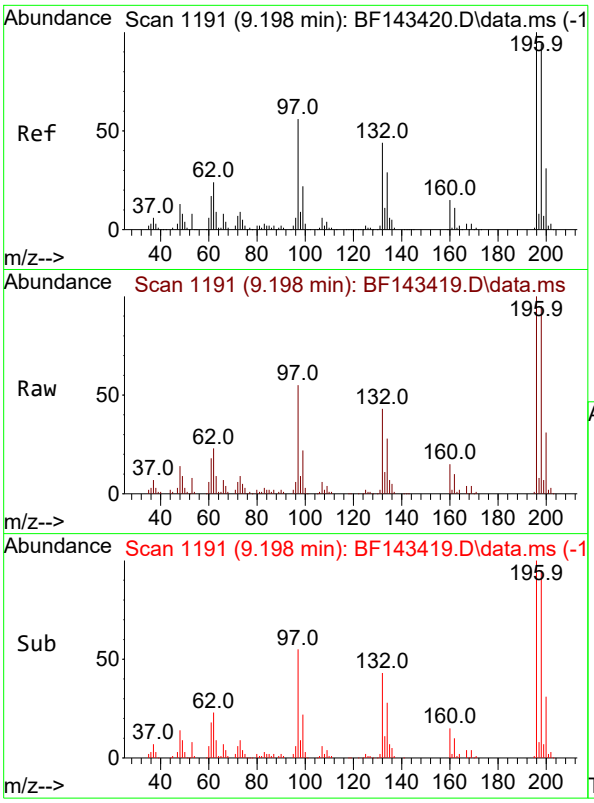


#42
2,4,6-Tribromophenol
Concen: 41.705 ng
RT: 10.751 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:330 Resp: 104587

Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.4	116.2
141	31.3	24.1	36.1

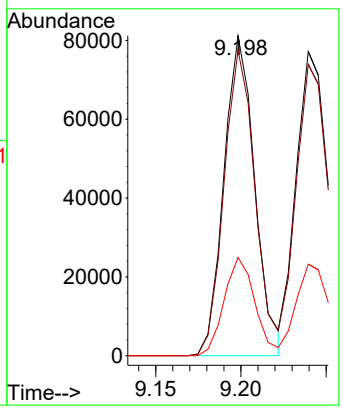




#43
2,4,6-Trichlorophenol
Concen: 20.860 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:196 Resp: 10225

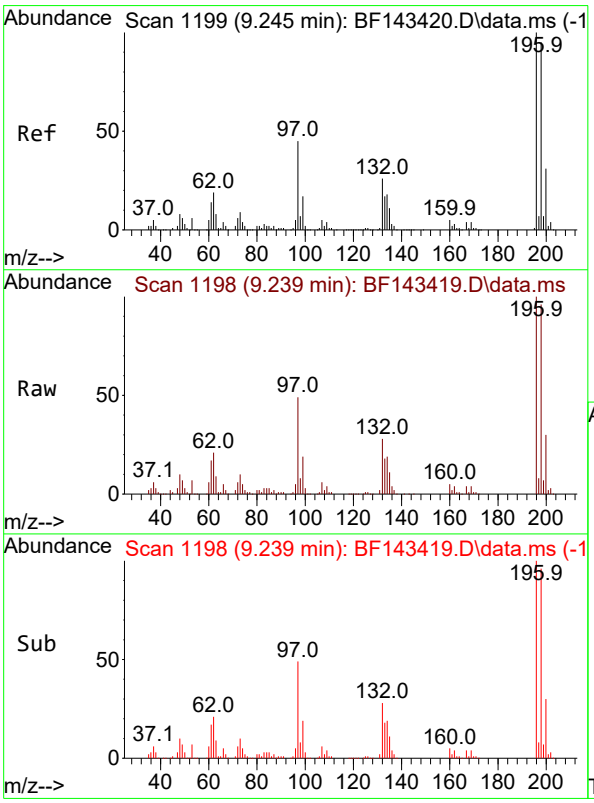
Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.4	113.2
200	30.7	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

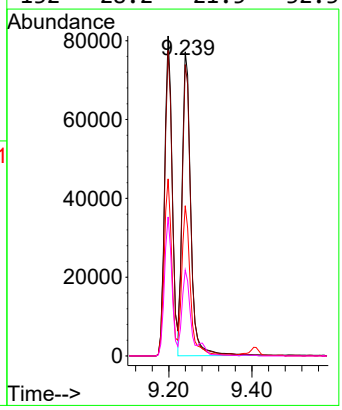
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

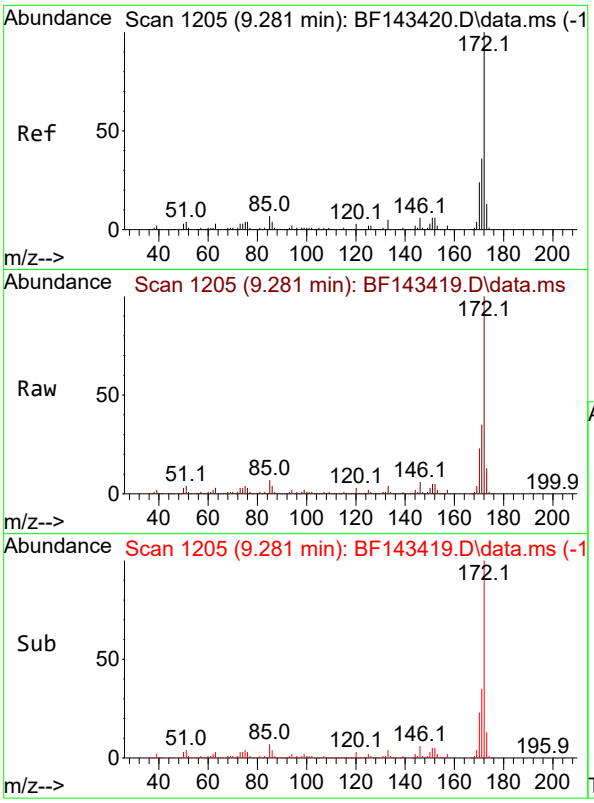


#44
2,4,5-Trichlorophenol
Concen: 21.177 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:196 Resp: 111266

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.2	114.4
97	49.4	36.6	55.0
132	28.2	21.5	32.3

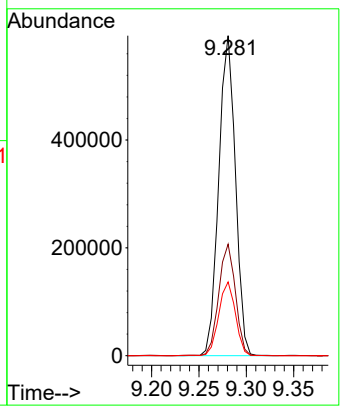




#45
2-Fluorobiphenyl
Concen: 43.433 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:172 Resp: 72754

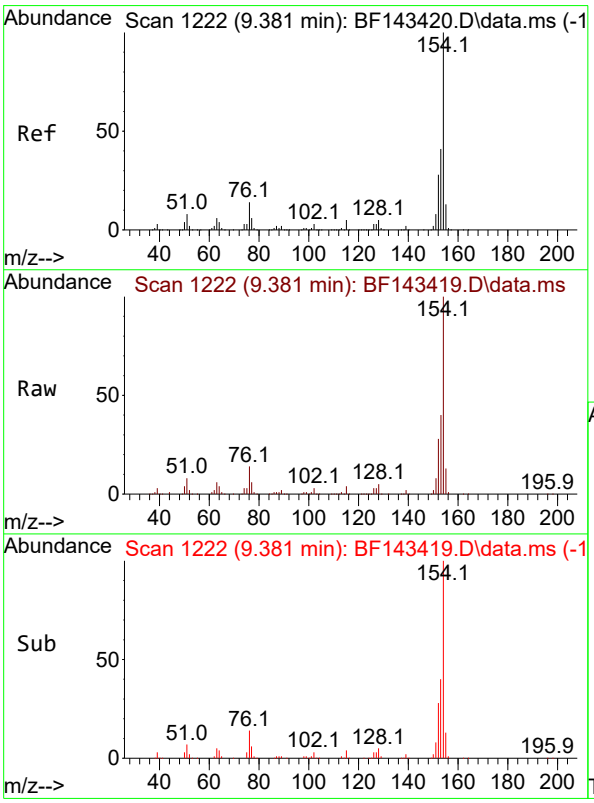
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.7	43.1
170	23.1	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

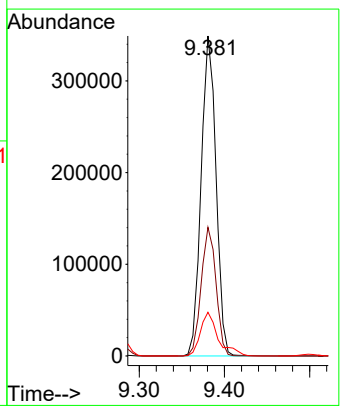
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

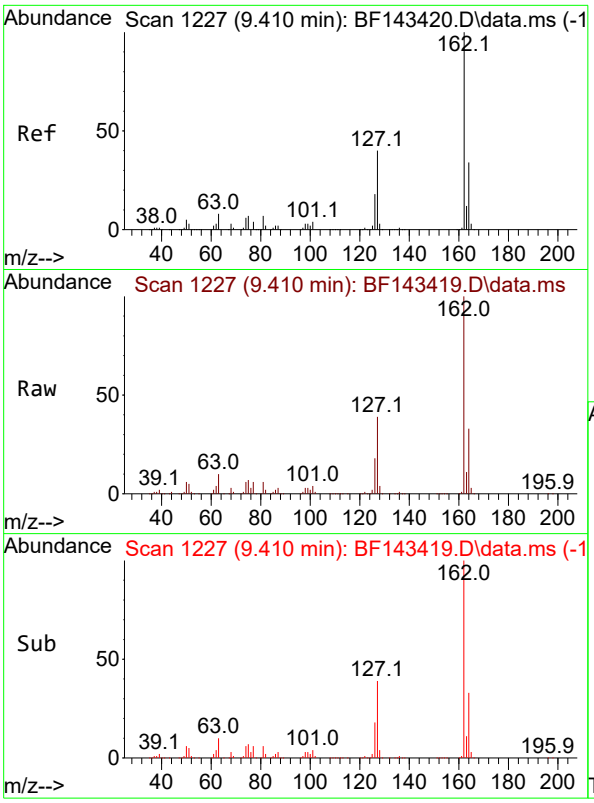


#46
1,1'-Biphenyl
Concen: 21.382 ng
RT: 9.381 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:154 Resp: 423276

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.6	60.6
76	13.7	0.0	33.8

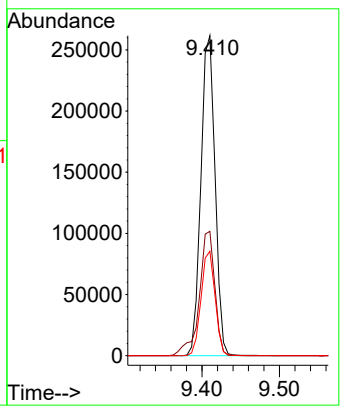




#47
2-Chloronaphthalene
Concen: 21.249 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:162 Resp: 33205

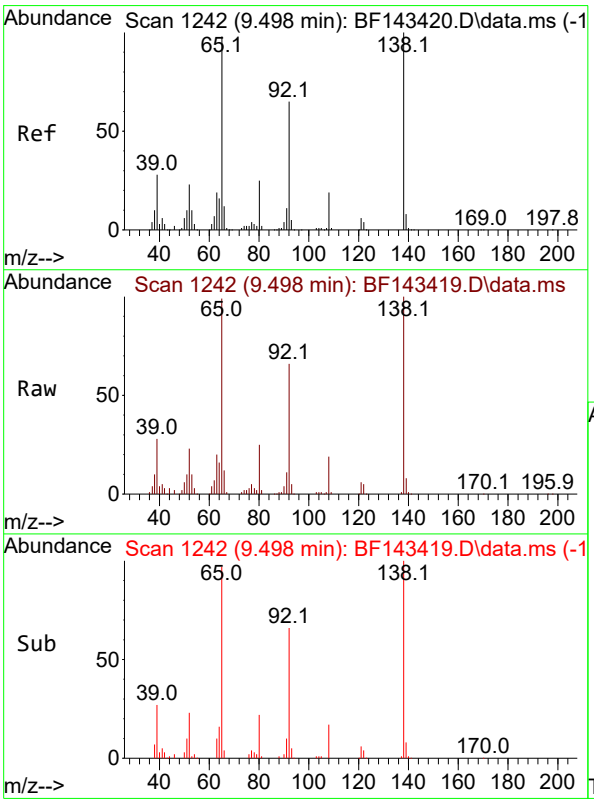
Ion	Ratio	Lower	Upper
162	100		
127	38.9	32.3	48.5
164	32.6	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

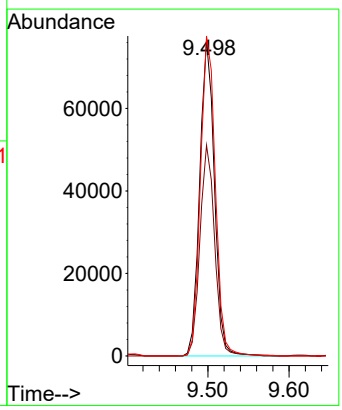
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

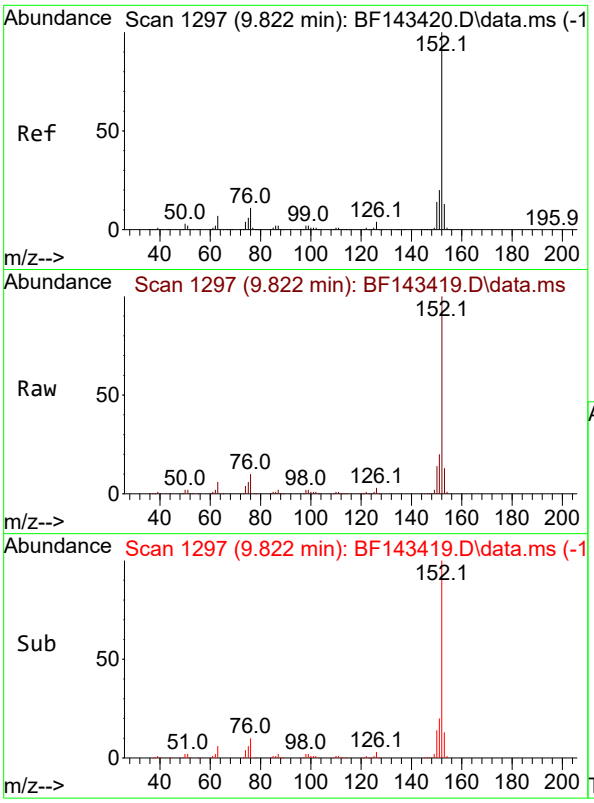


#48
2-Nitroaniline
Concen: 20.759 ng
RT: 9.498 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 65 Resp: 96534

Ion	Ratio	Lower	Upper
65	100		
92	66.8	52.9	79.3
138	101.3	81.3	121.9

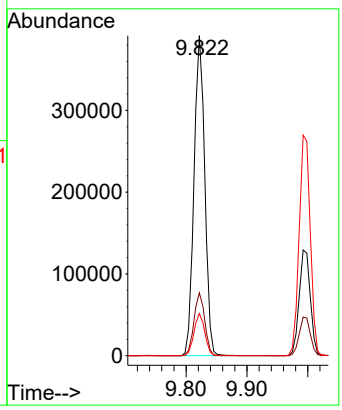




#49
Acenaphthylene
Concen: 21.288 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:152 Resp: 48029

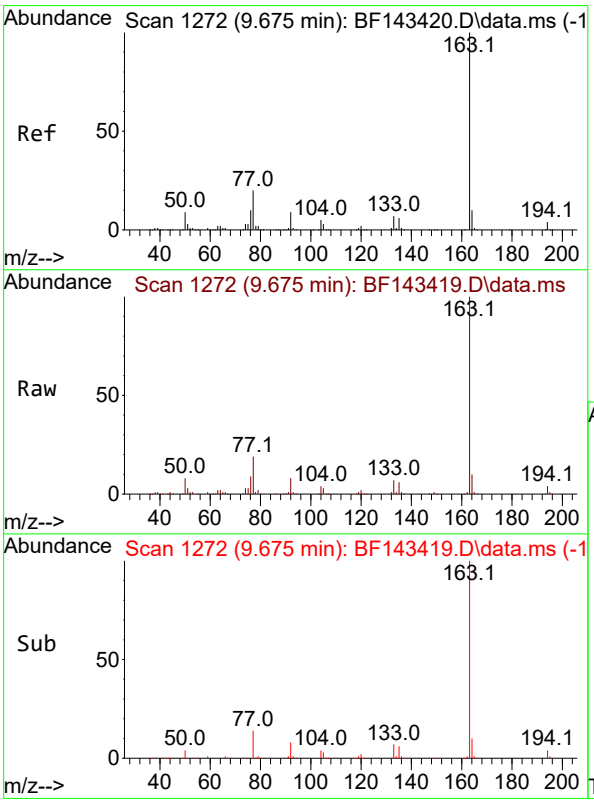
Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.2	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

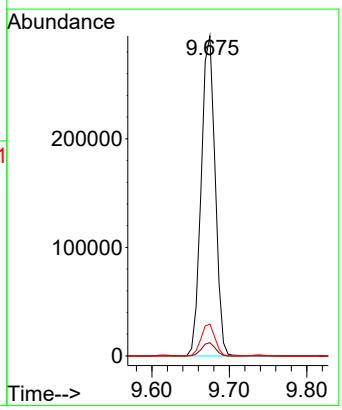
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

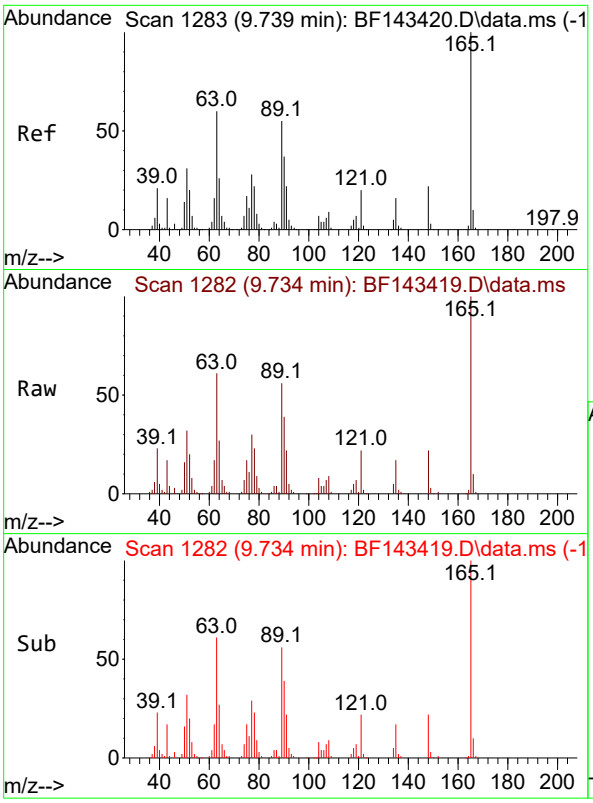


#50
Dimethylphthalate
Concen: 20.928 ng
RT: 9.675 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:163 Resp: 367621

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.2	12.4

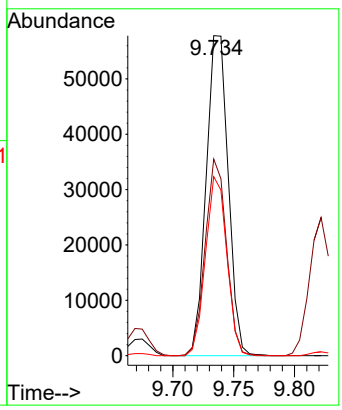




#51
2,6-Dinitrotoluene
Concen: 21.003 ng
RT: 9.734 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:165 Resp: 7273

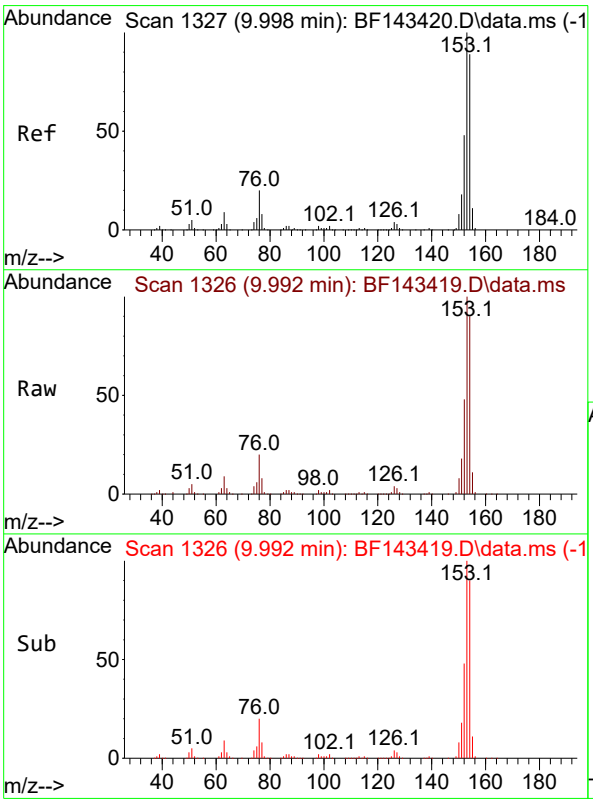
Ion	Ratio	Lower	Upper
165	100		
63	61.5	48.2	72.2
89	56.0	44.2	66.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

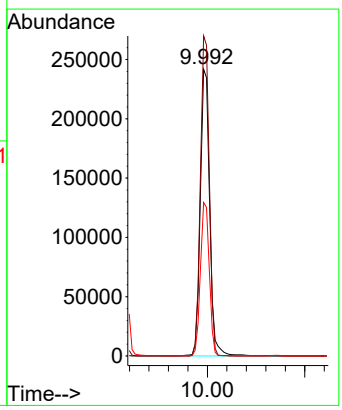
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

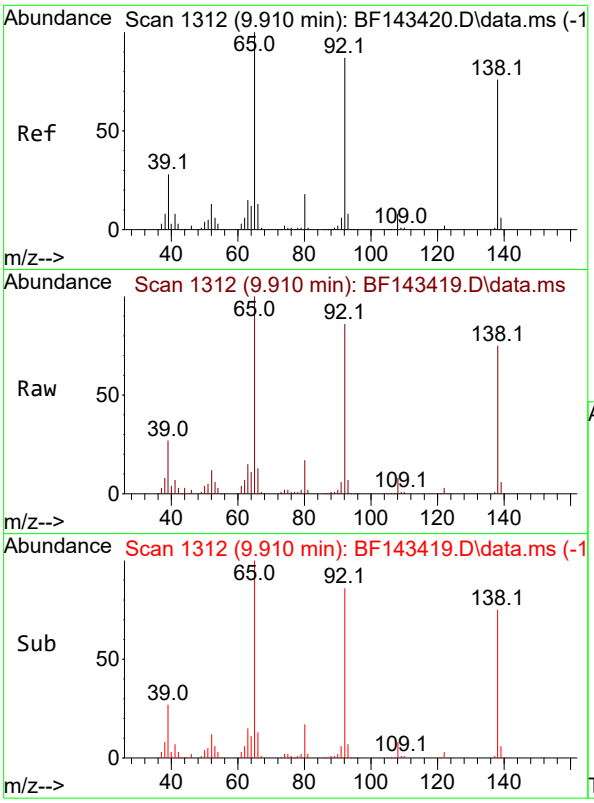


#52
Acenaphthene
Concen: 21.221 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:154 Resp: 322026

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.5	134.3
152	53.6	42.6	64.0





#53
3-Nitroaniline
Concen: 20.702 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

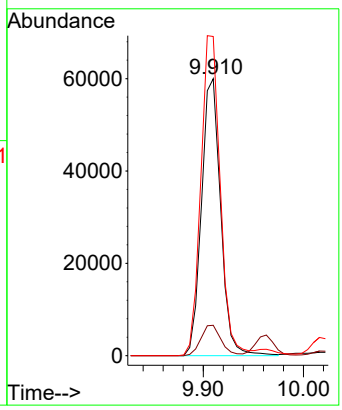
Tgt Ion:138 Resp: 7985

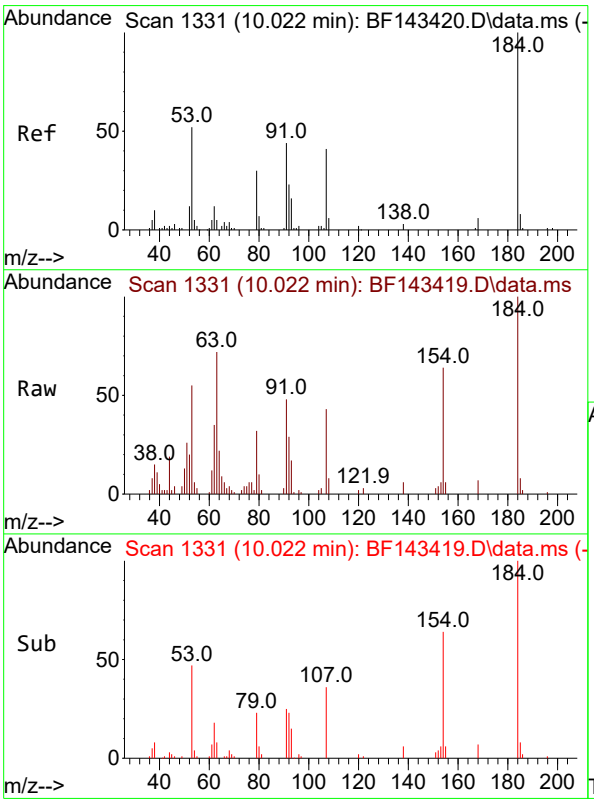
Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.7	13.1
92	115.2	91.4	137.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

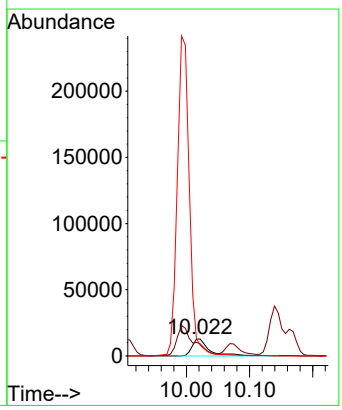


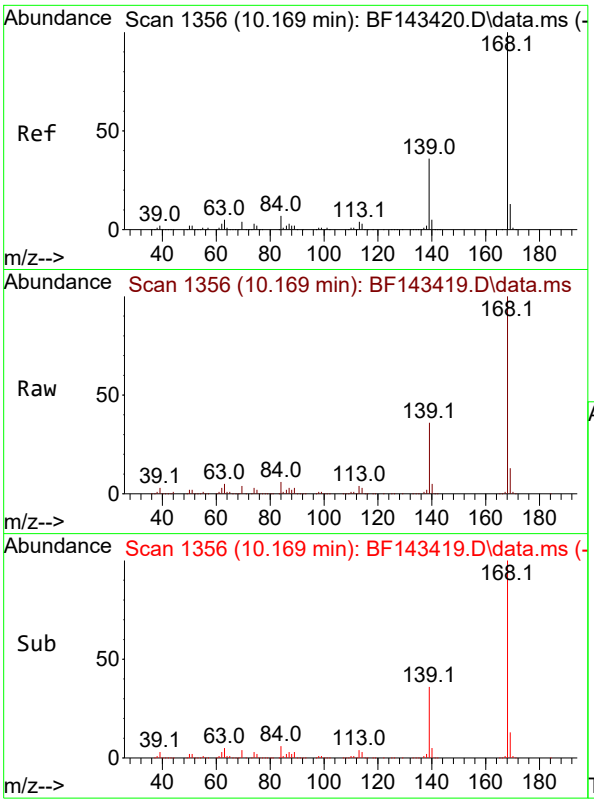


#54
2,4-Dinitrophenol
Concen: 19.975 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:184 Resp: 24644

Ion	Ratio	Lower	Upper
184	100		
63	71.7	53.2	79.8
154	64.1	51.3	76.9

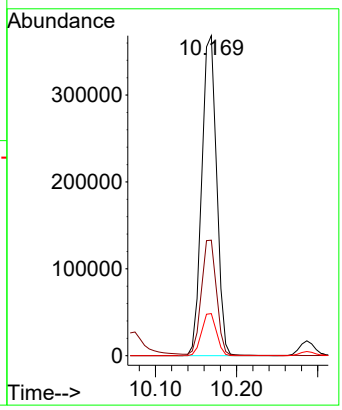




#55
Dibenzofuran
Concen: 21.390 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:168 Resp: 46822

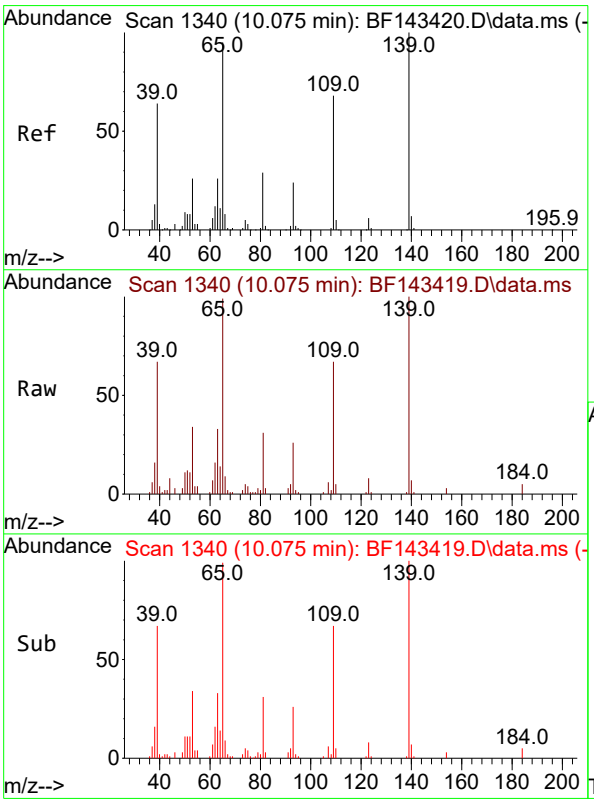
Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.3	43.9
169	13.2	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

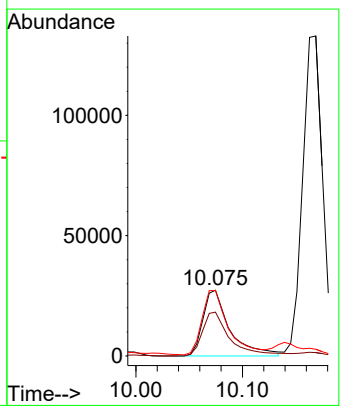
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

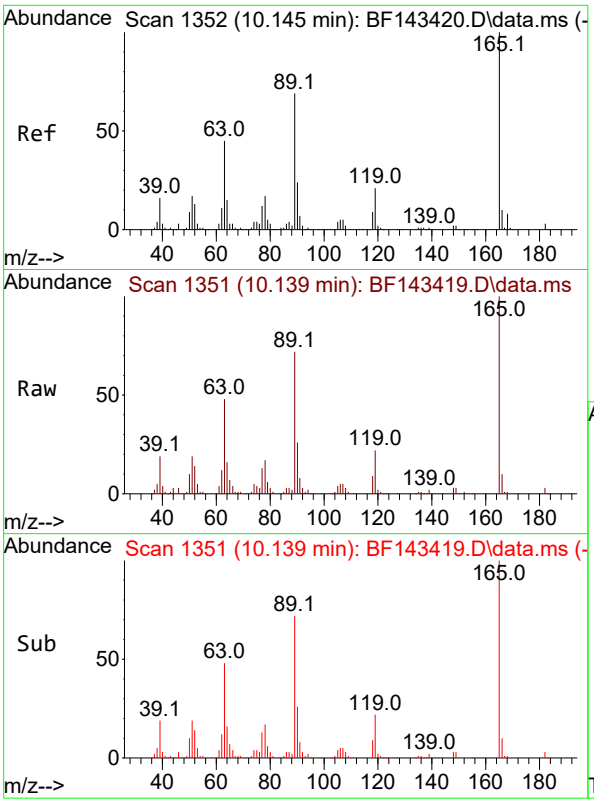


#56
4-Nitrophenol
Concen: 19.778 ng
RT: 10.075 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:139 Resp: 47964

Ion	Ratio	Lower	Upper
139	100		
109	66.6	47.7	87.7
65	99.4	76.4	116.4

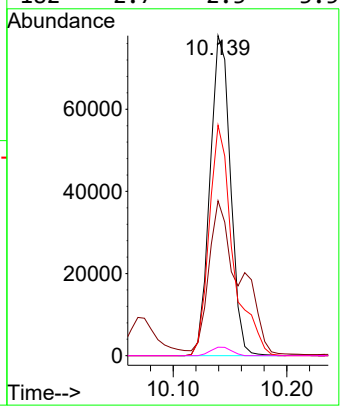




#57
2,4-Dinitrotoluene
Concen: 21.170 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:165 Resp: 9773

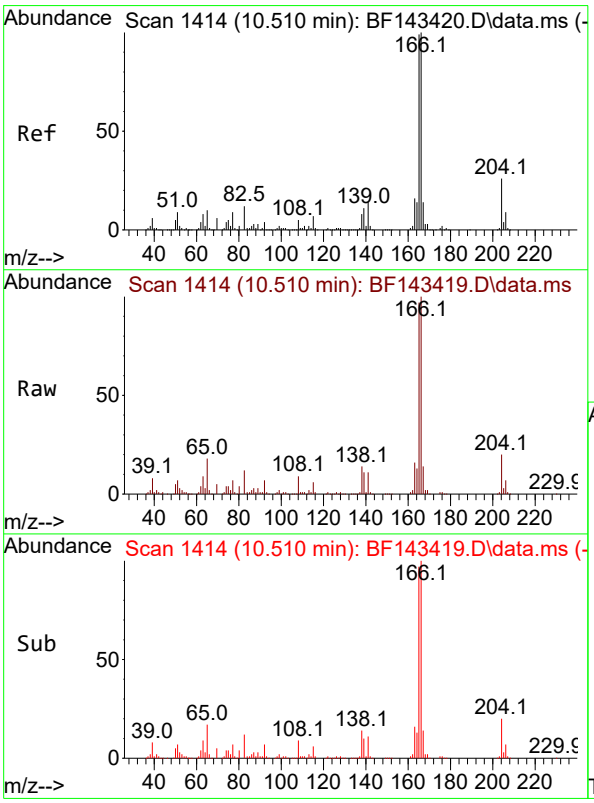
Ion	Ratio	Lower	Upper
165	100		
63	48.4	37.0	55.6
89	72.0	55.4	83.0
182	2.7	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

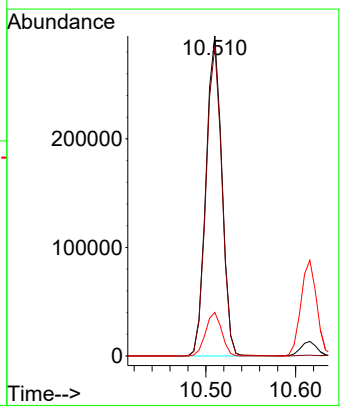
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

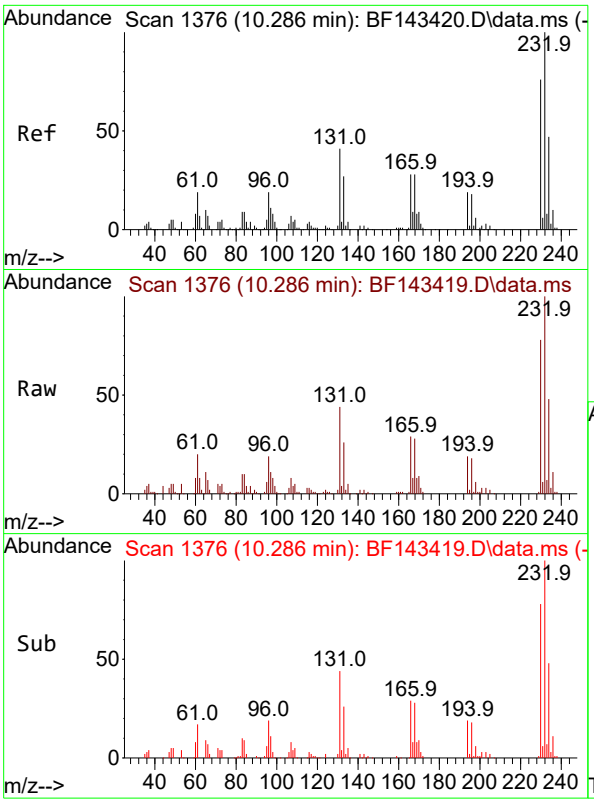


#58
Fluorene
Concen: 21.570 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:166 Resp: 362746

Ion	Ratio	Lower	Upper
166	100		
165	96.9	79.0	118.6
167	13.6	10.9	16.3

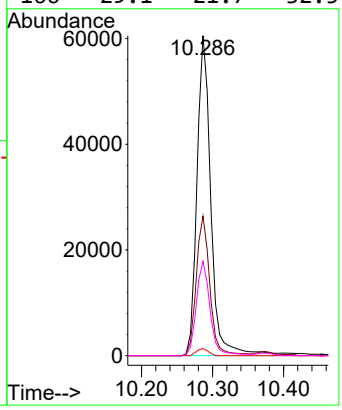




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.756 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:232 Resp: 8255

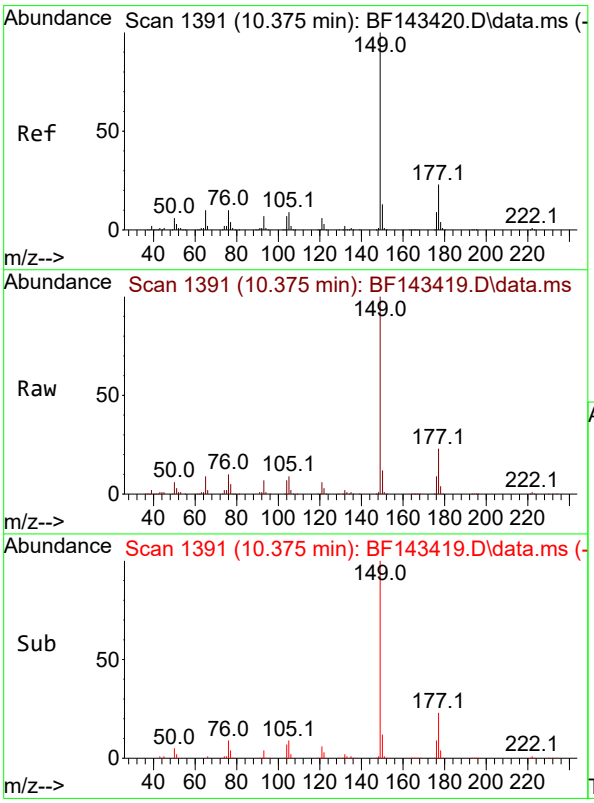
Ion	Ratio	Lower	Upper
232	100		
131	42.7	32.0	48.0
130	1.9	1.7	2.5
166	29.1	21.7	32.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

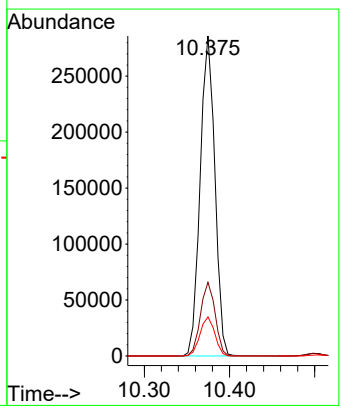
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

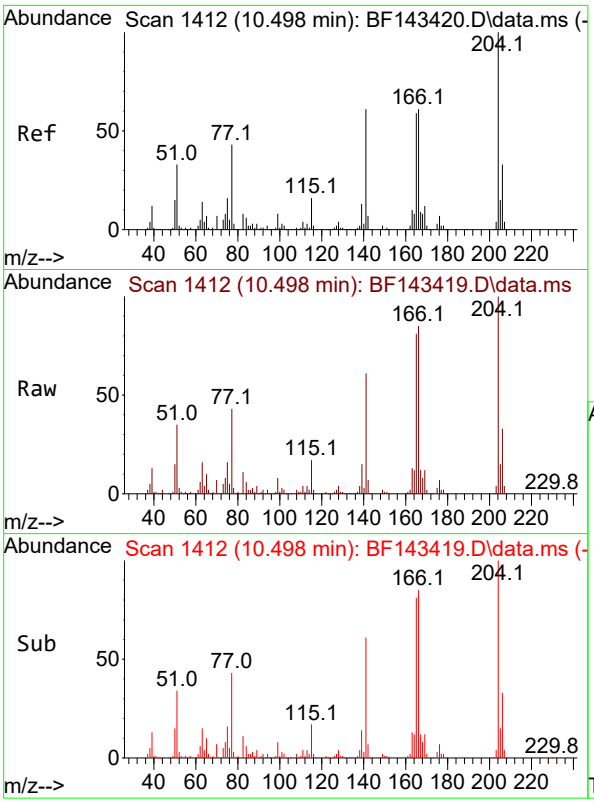


#60
Diethylphthalate
Concen: 21.125 ng
RT: 10.375 min Scan# 1391
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 342918

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.2	27.4
150	12.2	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 21.084 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

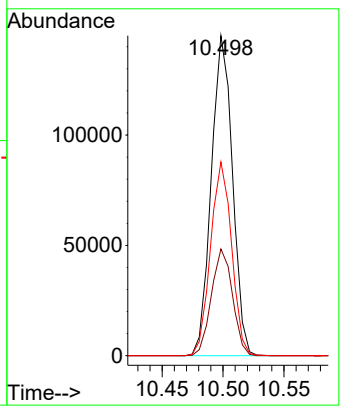
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

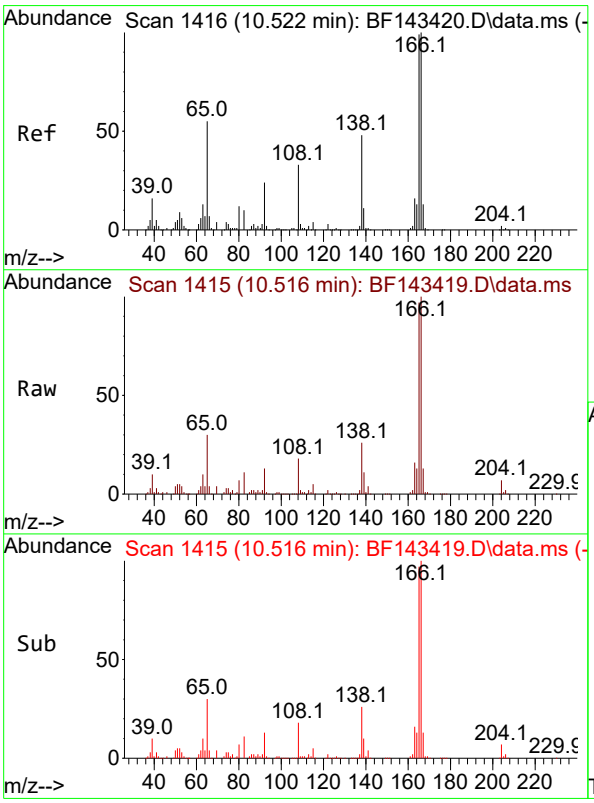
Tgt Ion:204 Resp: 17530

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	60.5	49.0	73.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

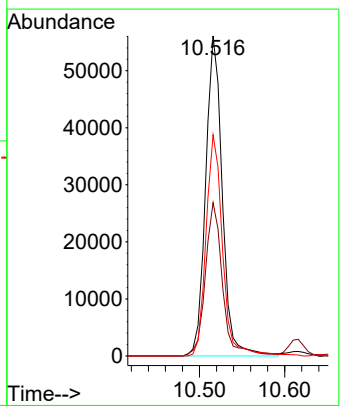


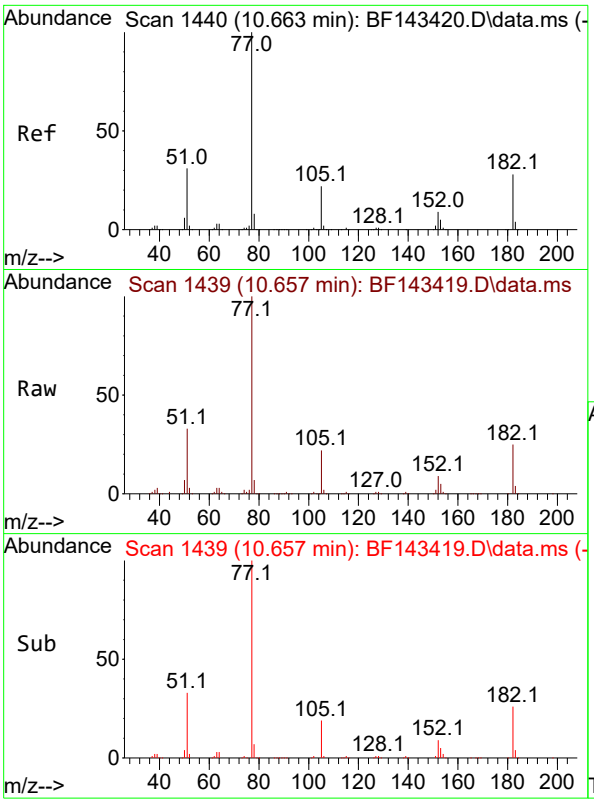


#62
4-Nitroaniline
Concen: 21.129 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:138 Resp: 76220

Ion	Ratio	Lower	Upper
138	100		
92	47.9	29.4	69.4
108	69.1	48.6	88.6

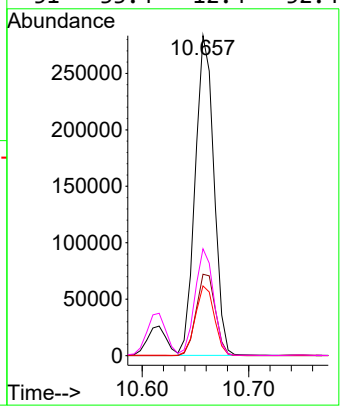




#63
Azobenzene
Concen: 21.108 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 77 Resp: 34630

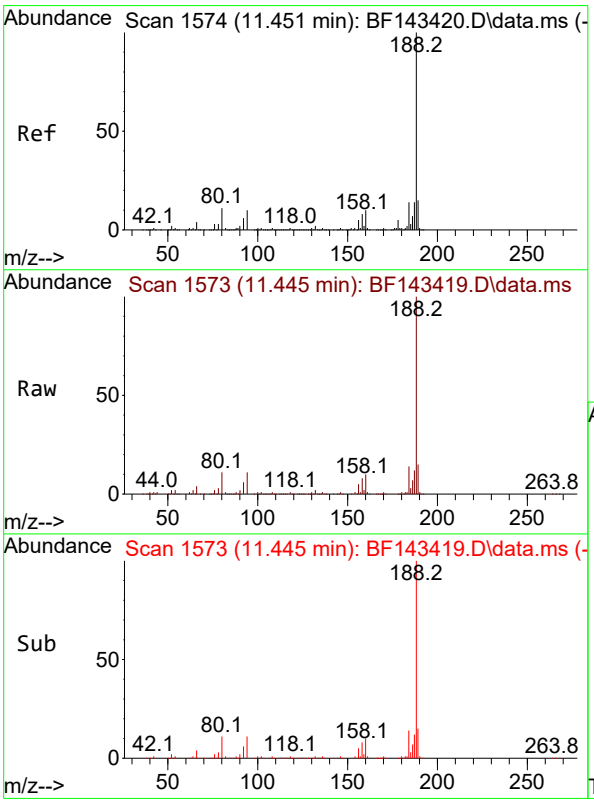
Ion	Ratio	Lower	Upper
77	100		
182	25.5	7.4	47.4
105	21.8	1.7	41.7
51	33.4	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

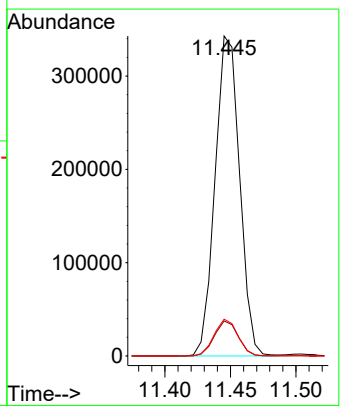
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

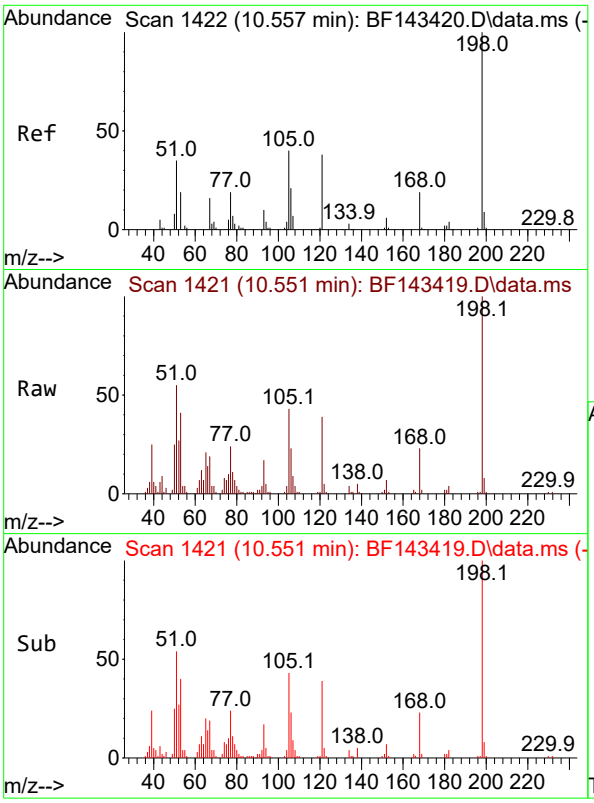


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:188 Resp: 446308

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.0	12.0
80	11.5	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 18.685 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

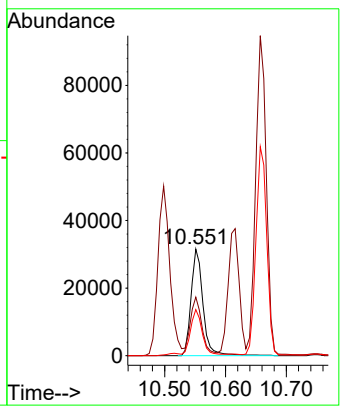
Tgt Ion:198 Resp: 4302

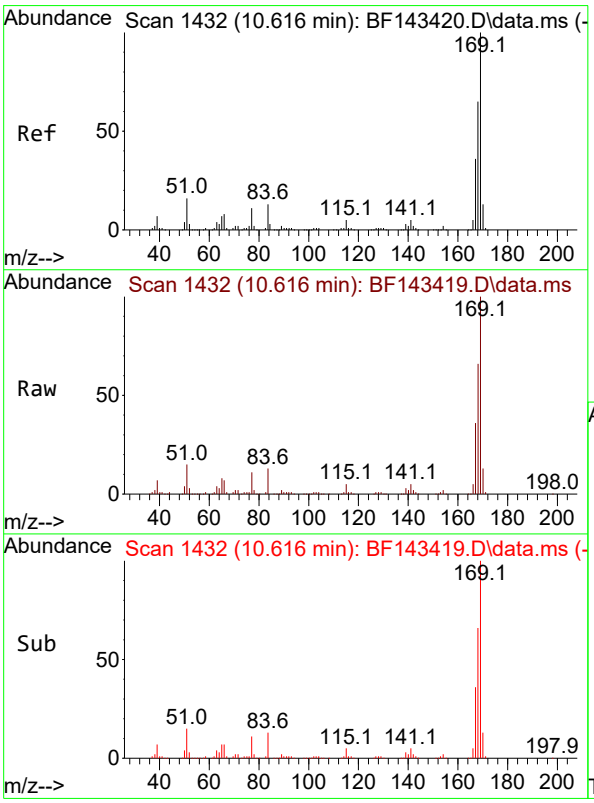
Ion	Ratio	Lower	Upper
198	100		
51	54.9	31.2	71.2
105	43.2	21.7	61.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

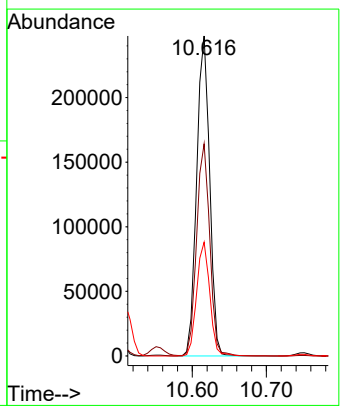


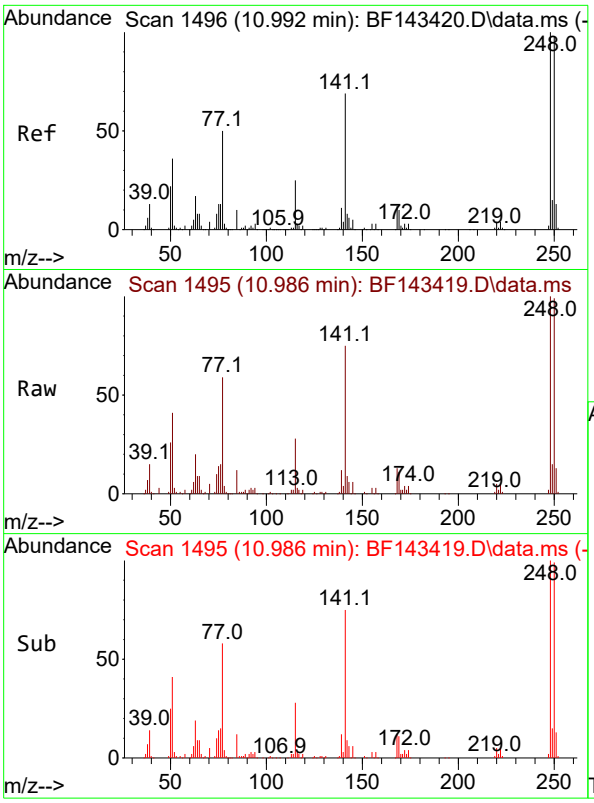


#66
n-Nitrosodiphenylamine
Concen: 20.804 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:169 Resp: 301902

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.5	78.7
167	35.6	28.6	42.8

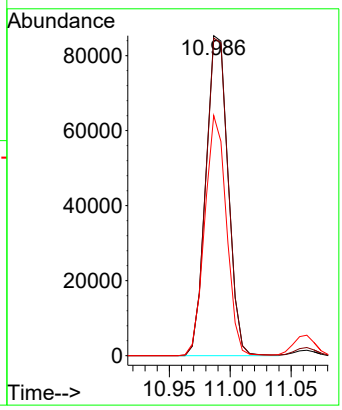




#67
4-Bromophenyl-phenylether
Concen: 20.607 ng
RT: 10.986 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:248 Resp: 10860

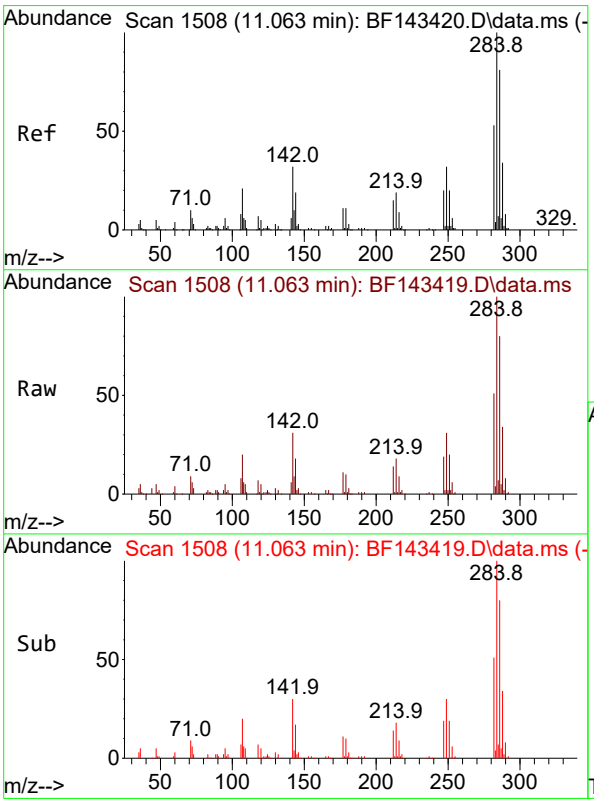
Ion	Ratio	Lower	Upper
248	100		
250	99.2	78.6	118.0
141	75.0	54.9	82.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

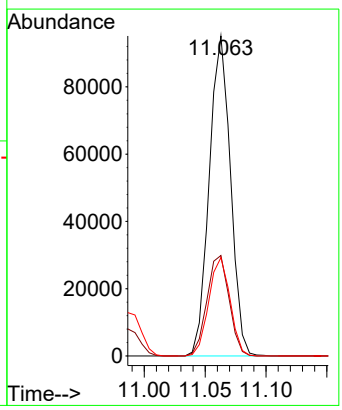
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

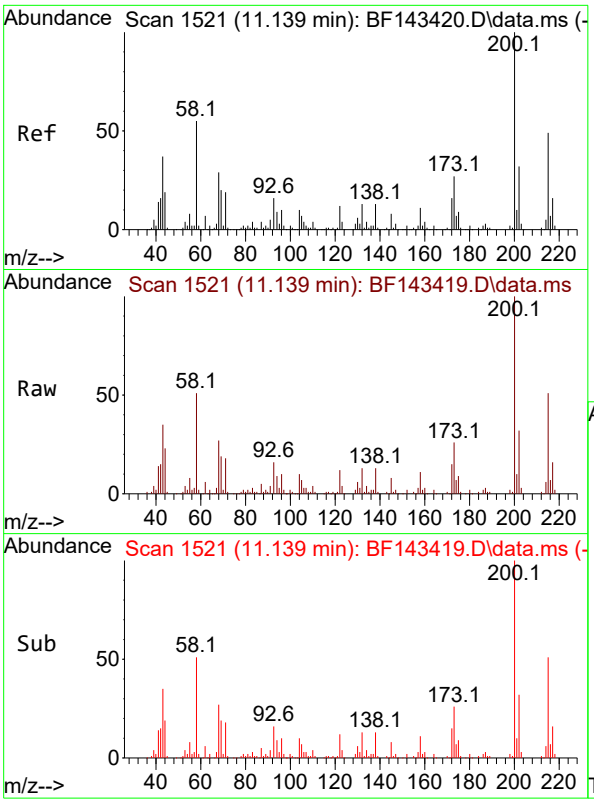


#68
Hexachlorobenzene
Concen: 20.642 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:284 Resp: 115655

Ion	Ratio	Lower	Upper
284	100		
142	31.4	25.4	38.2
249	30.8	25.4	38.0

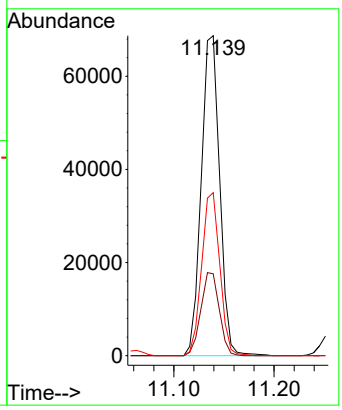




#69
Atrazine
Concen: 20.722 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:200 Resp: 8795

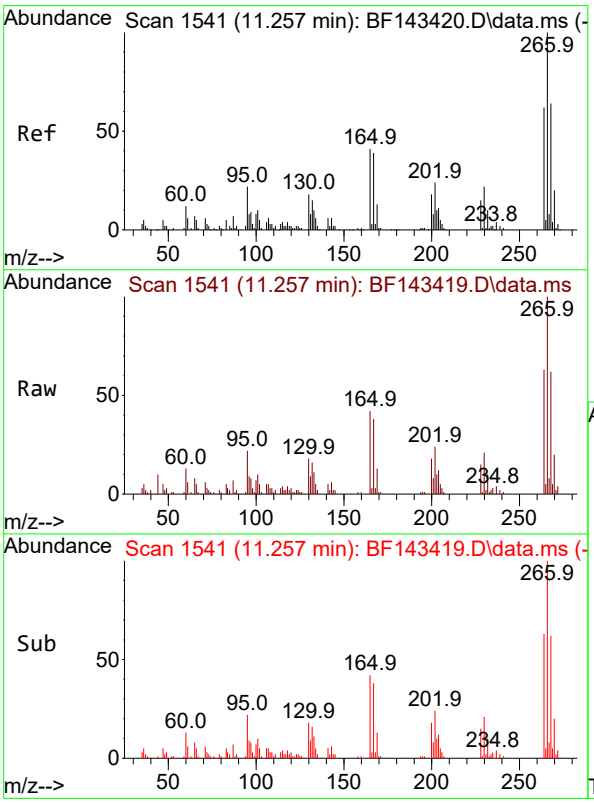
Ion	Ratio	Lower	Upper
200	100		
173	25.6	6.6	46.6
215	50.9	29.5	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

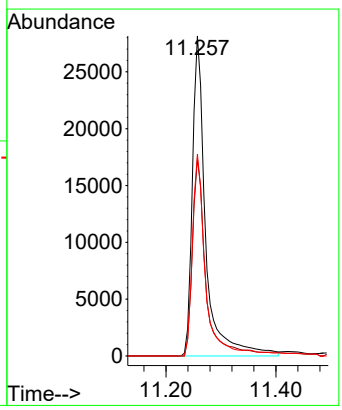
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

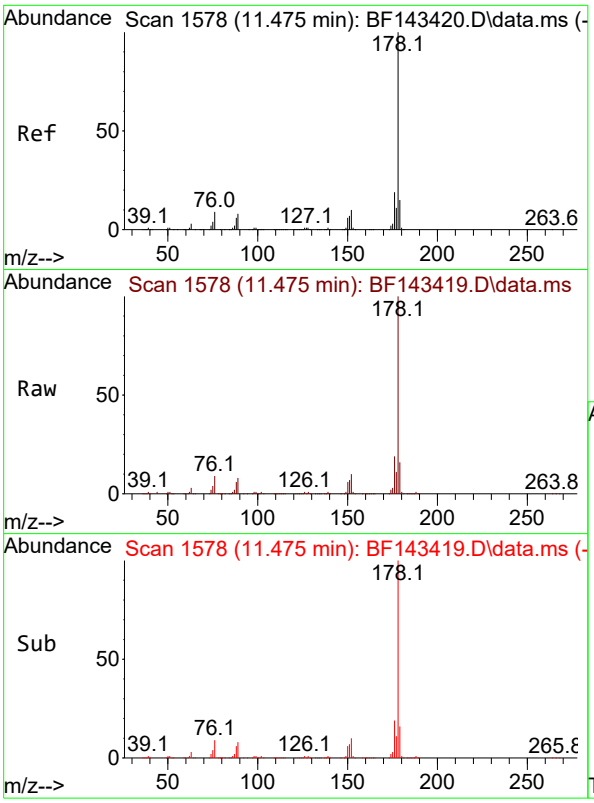


#70
Pentachlorophenol
Concen: 19.081 ng
RT: 11.257 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:266 Resp: 47465

Ion	Ratio	Lower	Upper
266	100		
268	61.6	51.0	76.6
264	63.1	49.3	73.9

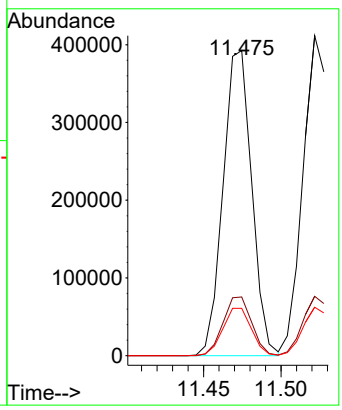




#71
Phenanthrene
Concen: 20.895 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:178 Resp: 50500

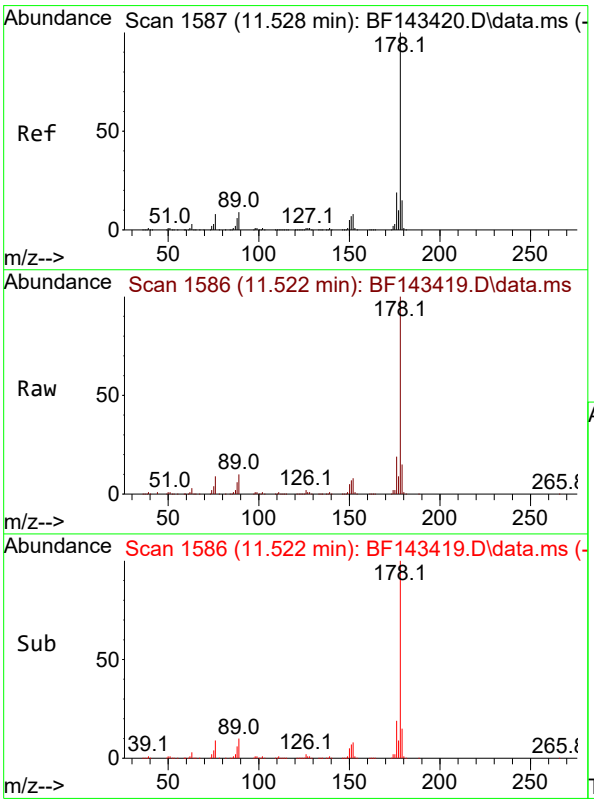
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

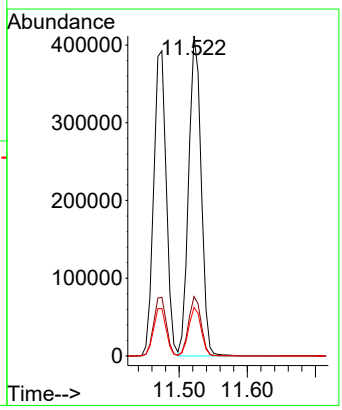
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

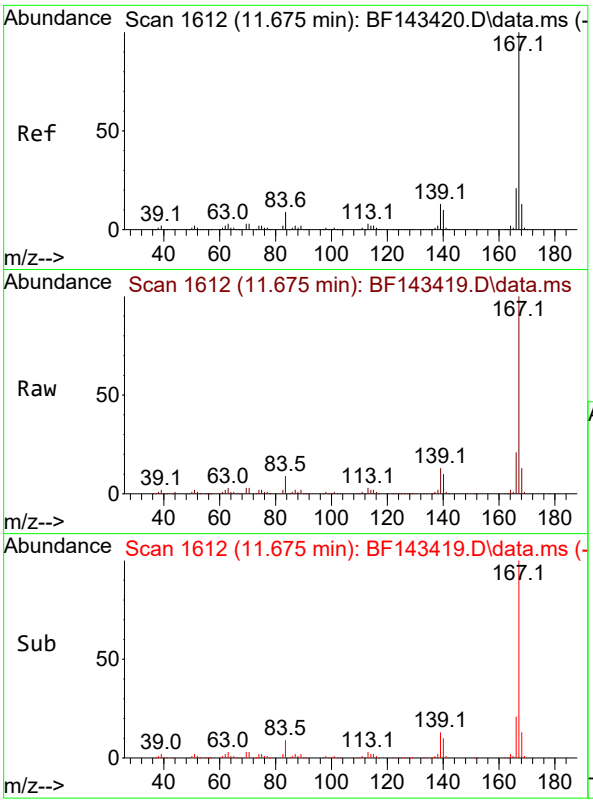


#72
Anthracene
Concen: 21.325 ng
RT: 11.522 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:178 Resp: 520546

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.2	12.2	18.4

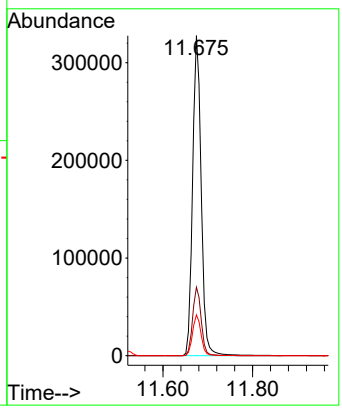




#73
Carbazole
Concen: 21.107 ng
RT: 11.675 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:167 Resp: 43575

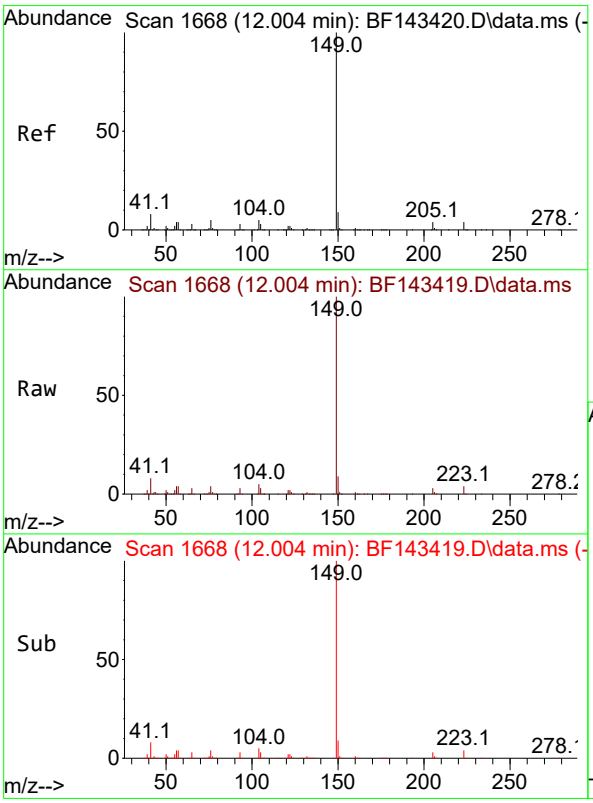
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.8	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

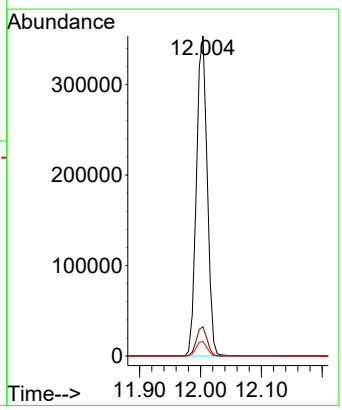
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

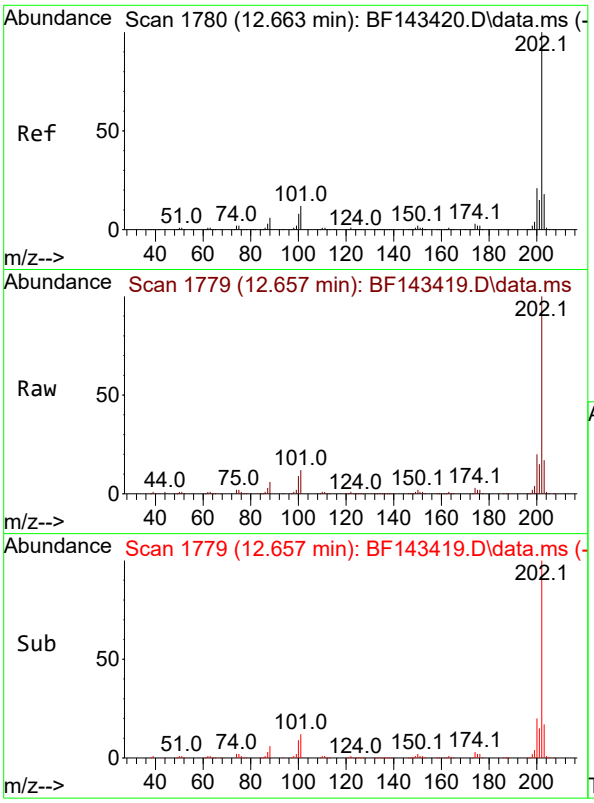


#74
Di-n-butylphthalate
Concen: 21.064 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 433056

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.5	3.8	5.6

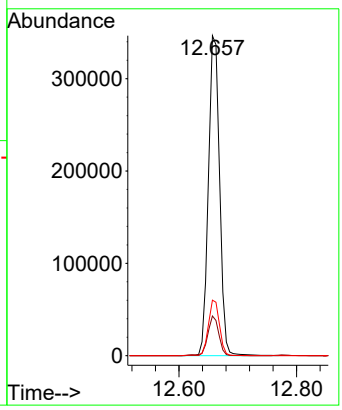




#75
Fluoranthene
Concen: 21.327 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:202 Resp: 45800

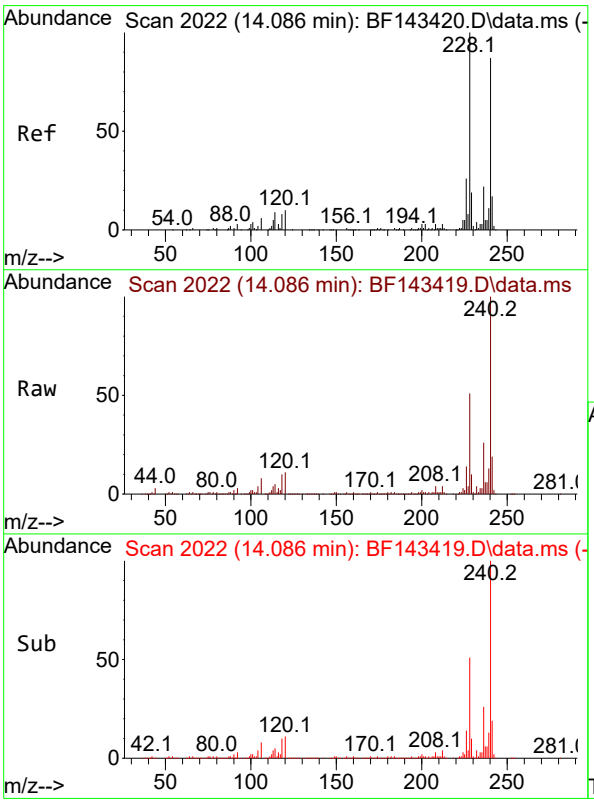
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.5
203	17.4	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

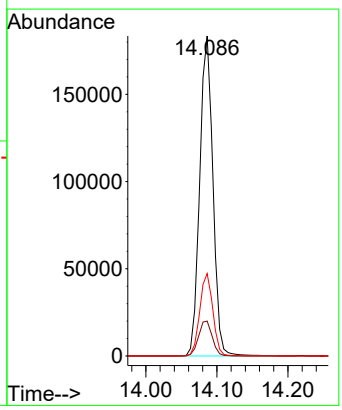
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

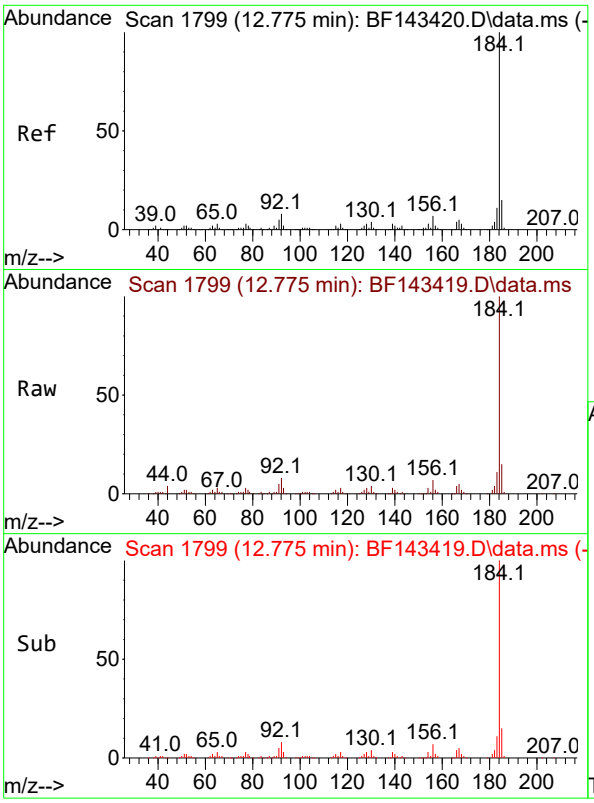


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:240 Resp: 237684

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	25.7	20.2	30.2

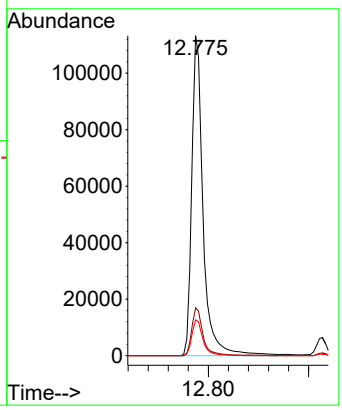




#77
Benzidine
Concen: 26.473 ng
RT: 12.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:184 Resp: 17812

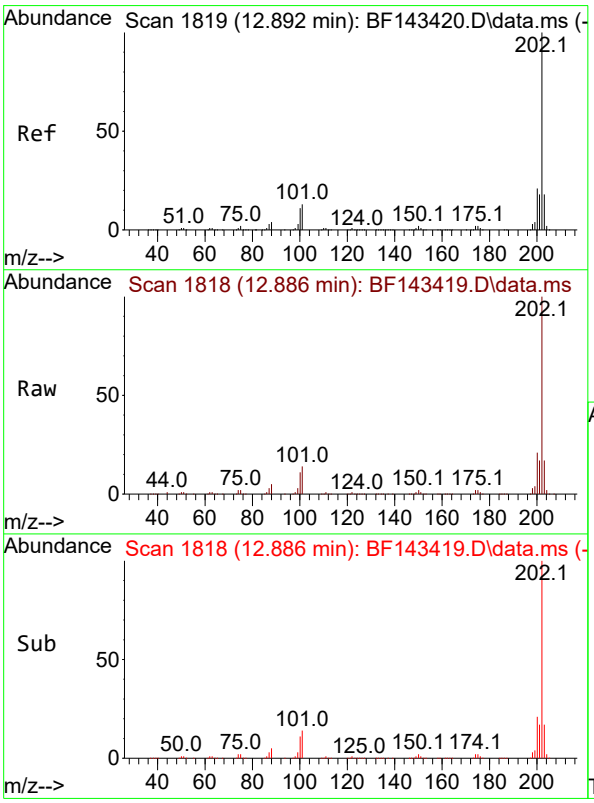
Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.2	18.2
183	11.2	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

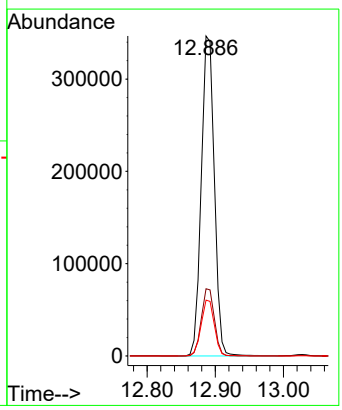
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

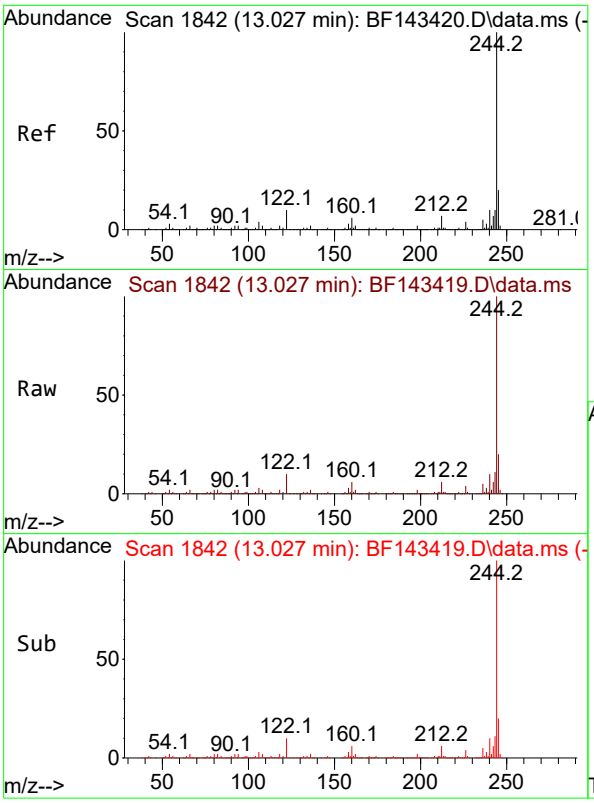


#78
Pyrene
Concen: 22.435 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:202 Resp: 463473

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.5	14.2	21.2

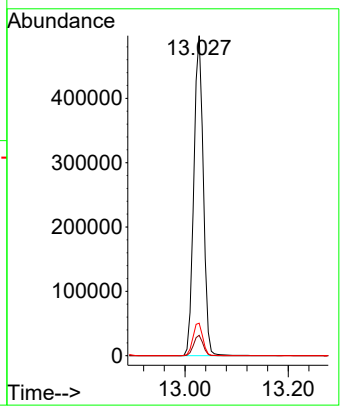




#79
Terphenyl-d14
Concen: 44.646 ng
RT: 13.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:244 Resp: 63170

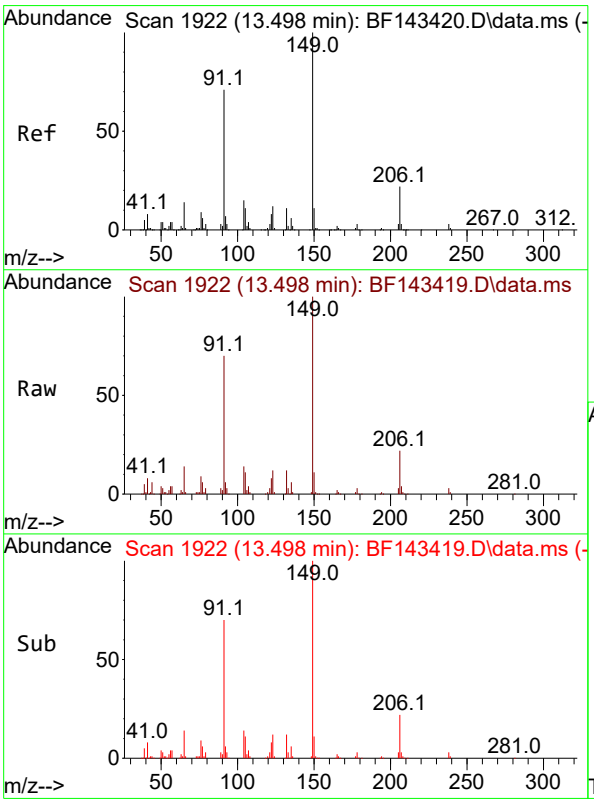
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.2	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

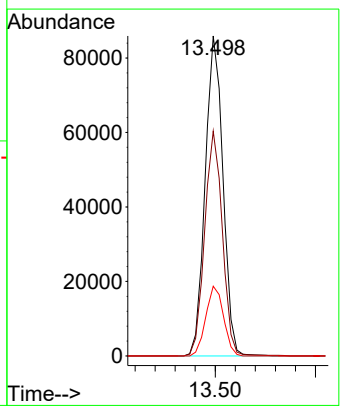
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

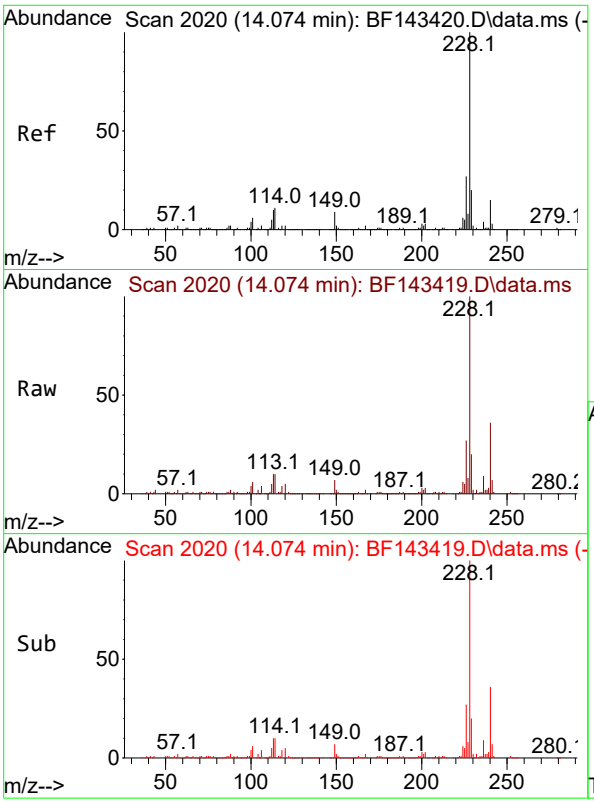


#80
Butylbenzylphthalate
Concen: 20.702 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 105931

Ion	Ratio	Lower	Upper
149	100		
91	70.2	57.0	85.4
206	21.8	17.6	26.4





#81
Benzo(a)anthracene
Concen: 20.706 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

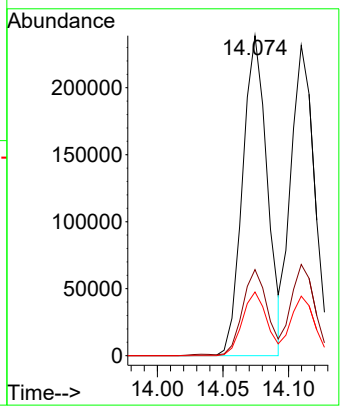
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

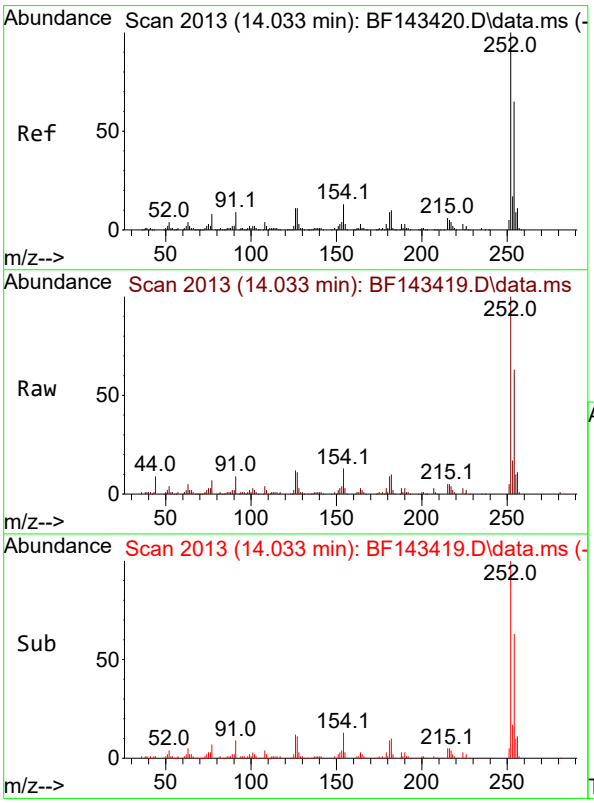
Tgt Ion:228 Resp: 31333

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.9	15.7	23.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

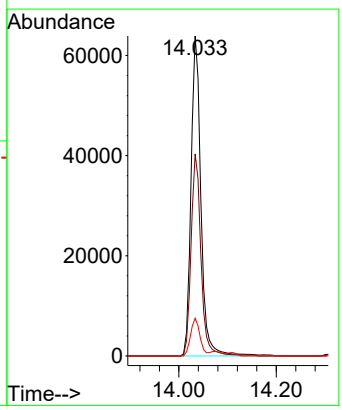


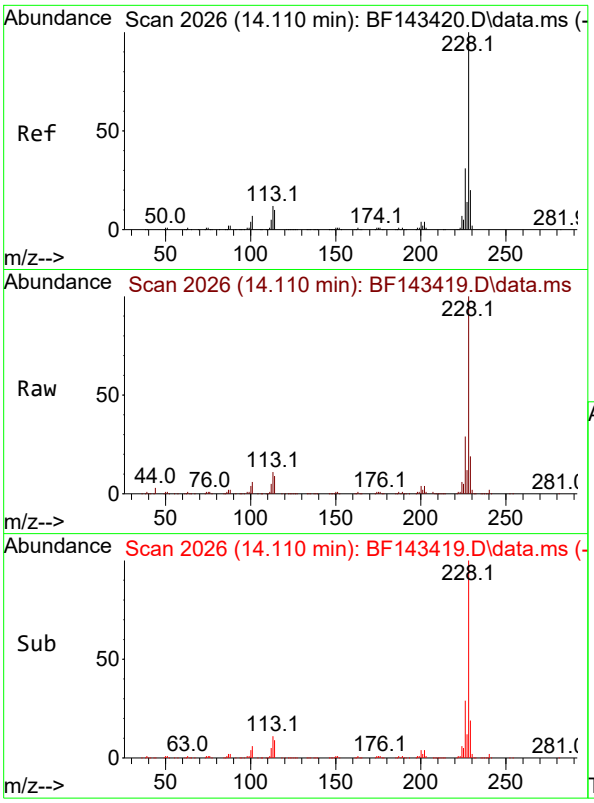


#82
3,3'-Dichlorobenzidine
Concen: 20.470 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:252 Resp: 90692

Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.6	77.4
126	11.7	8.8	13.2

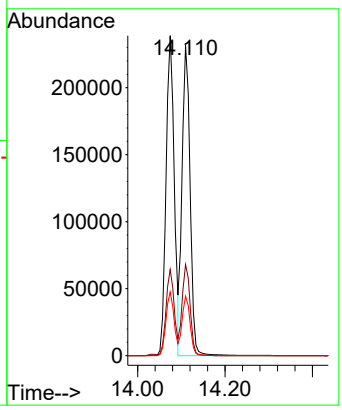




#83
Chrysene
Concen: 21.065 ng
RT: 14.110 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:228 Resp: 29469(

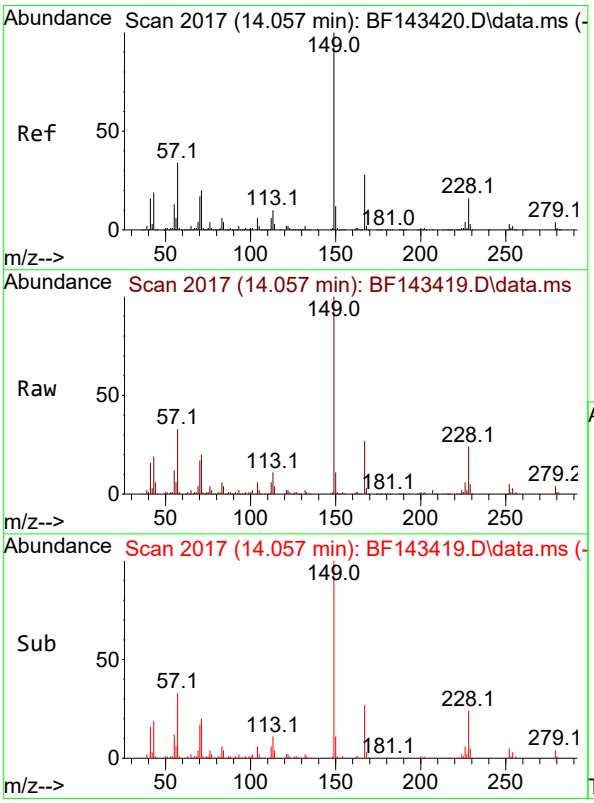
Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.3	36.5
229	19.2	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

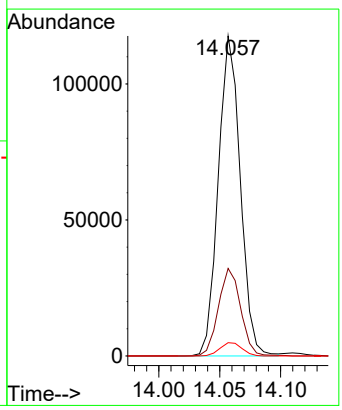
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

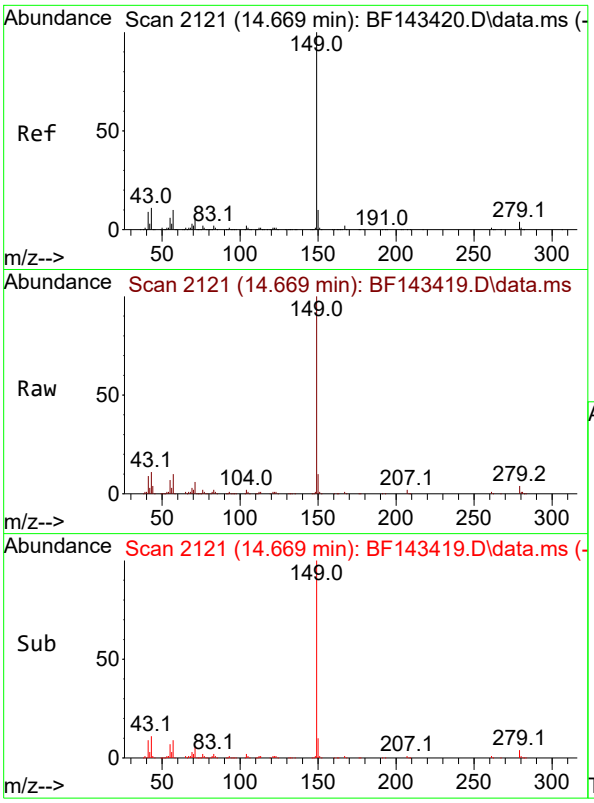


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.395 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 148211

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.6	33.8
279	4.1	3.5	5.3





#85
Di-n-octyl phthalate
Concen: 19.503 ng
RT: 14.669 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

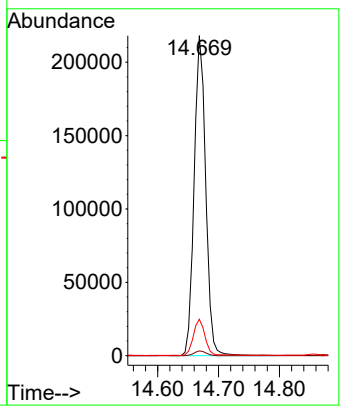
Tgt Ion:149 Resp: 28745

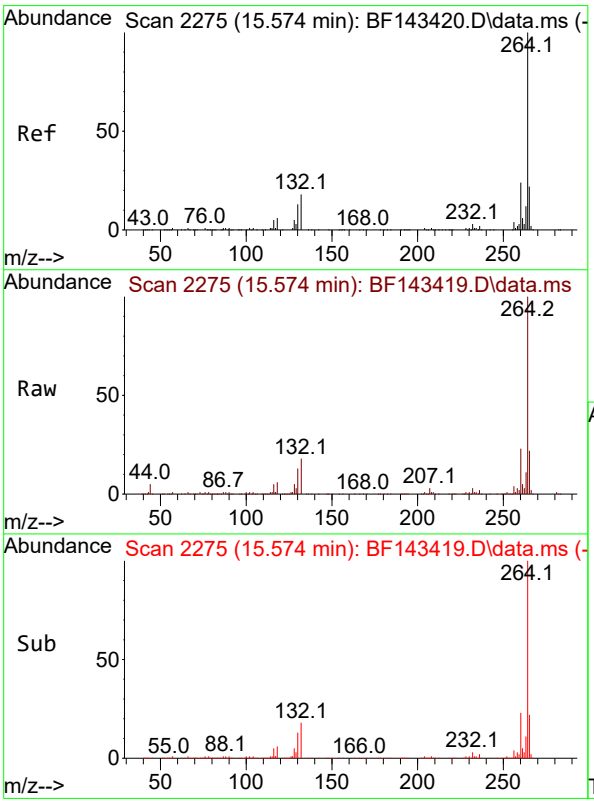
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.5	9.0	13.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

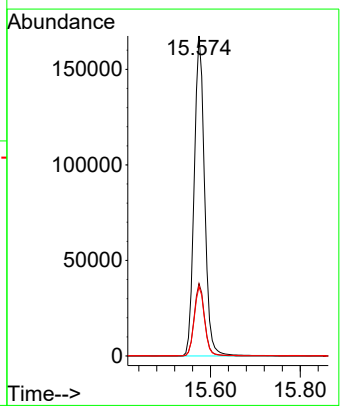


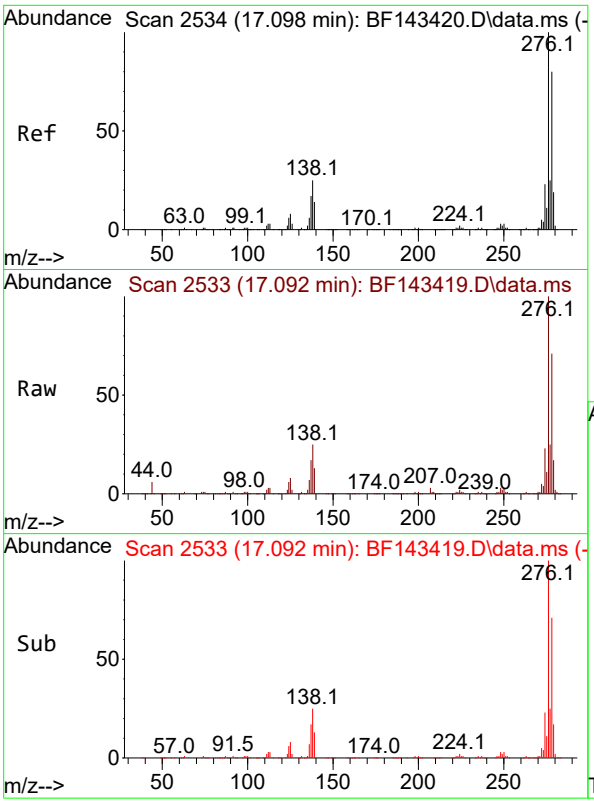


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:264 Resp: 269028

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.8	28.2
265	21.6	17.4	26.0

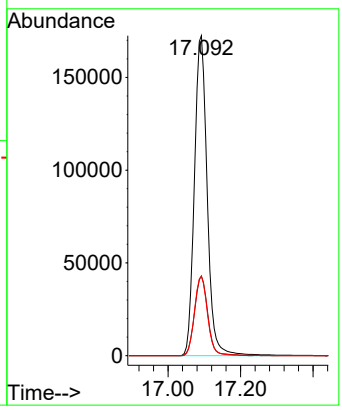




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.929 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:276 Resp: 42222

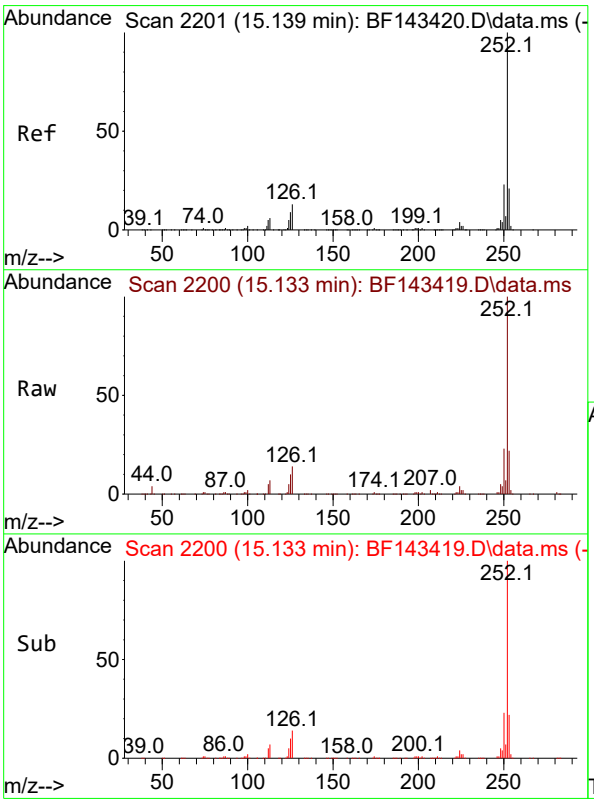
Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.2	30.4
277	25.4	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

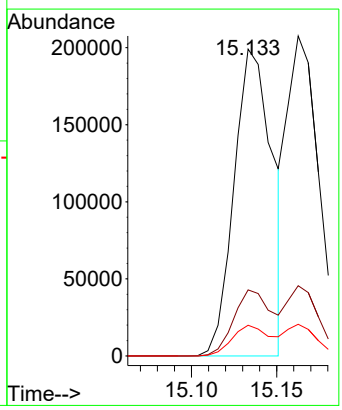
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

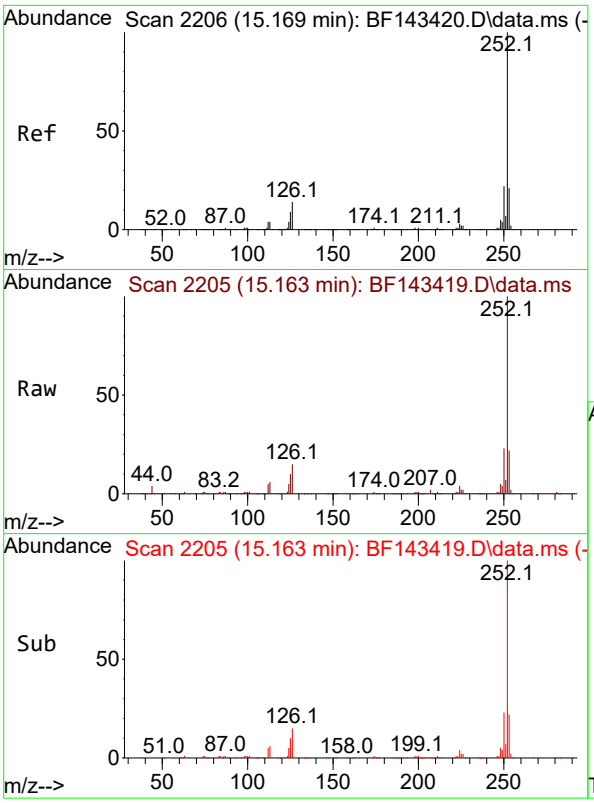


#88
Benzo(b)fluoranthene
Concen: 21.598 ng
RT: 15.133 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:252 Resp: 311415

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	10.0	7.5	11.3

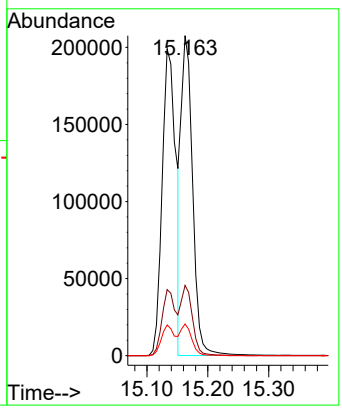




#89
Benzo(k)fluoranthene
Concen: 19.326 ng
RT: 15.163 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:252 Resp: 27484

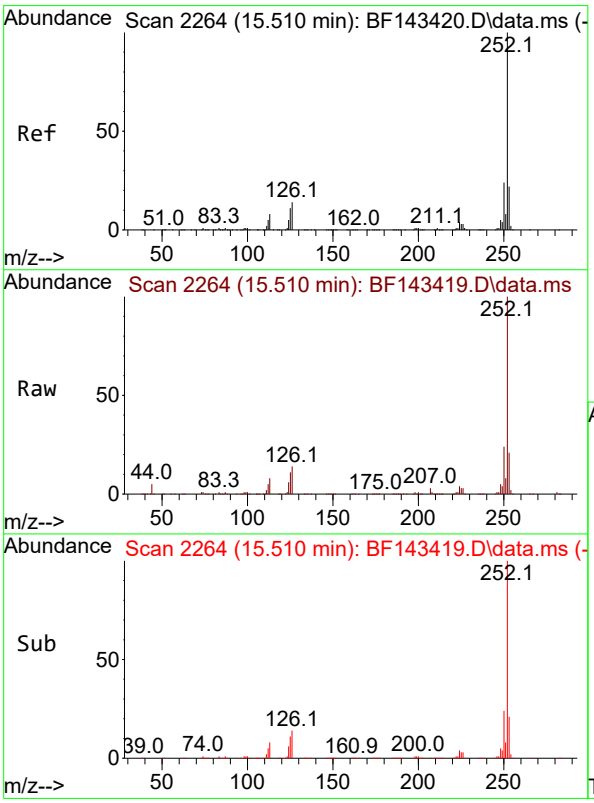
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	9.9	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

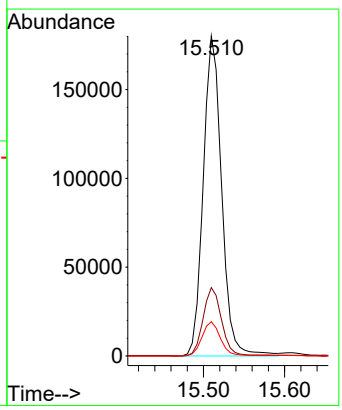
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

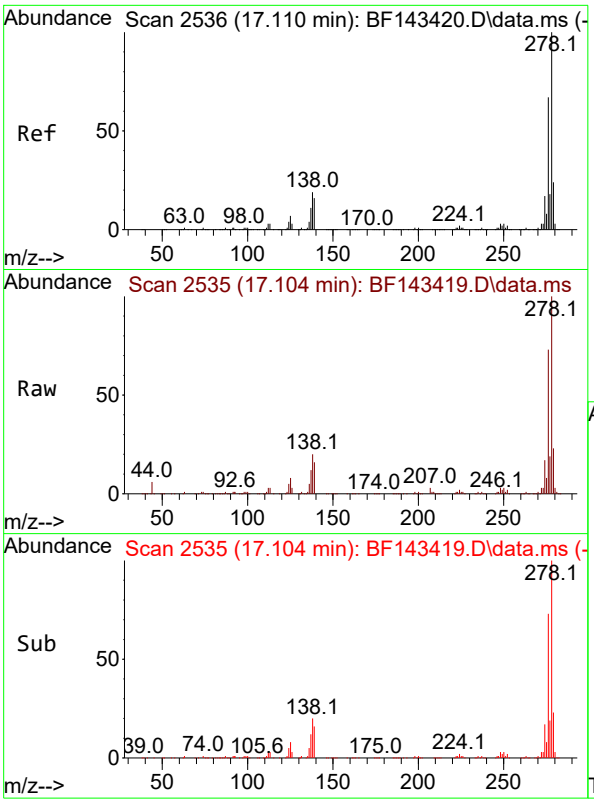


#90
Benzo(a)pyrene
Concen: 20.655 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:252 Resp: 283654

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	10.7	8.6	12.8

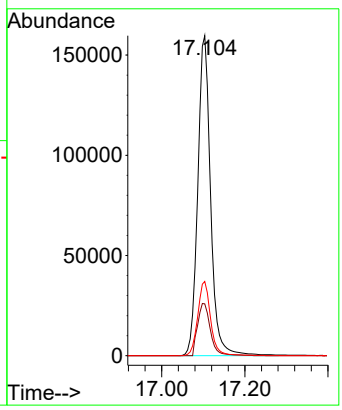




#91
Dibenzo(a,h)anthracene
Concen: 21.179 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:278 Resp: 34312

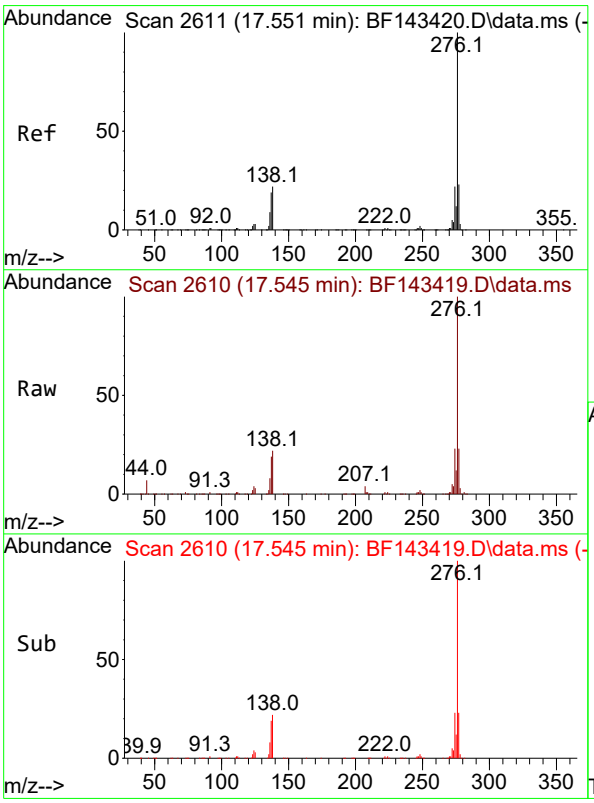
Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.9	19.3
279	23.2	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

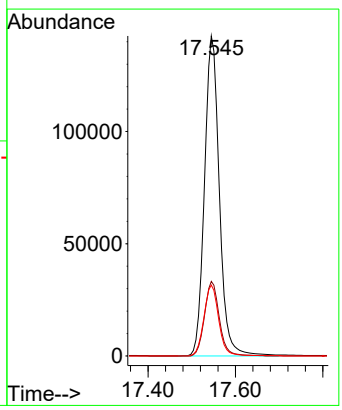
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#92
Benzo(g,h,i)perylene
Concen: 20.888 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:276 Resp: 338060

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	22.2	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143420.D
Acq On : 15 Aug 2025 16:28
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 15 18:27:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	132257	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	505729	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	275083	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	418439	20.000	ng	0.00
76) Chrysene-d12	14.086	240	217298	20.000	ng	0.00
86) Perylene-d12	15.574	264	282413	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	606940	79.773	ng	0.00
7) Phenol-d6	6.557	99	747976	78.010	ng	0.00
23) Nitrobenzene-d5	7.487	82	685209	80.398	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	194710	79.524	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1245188	76.137	ng	0.00
79) Terphenyl-d14	13.027	244	996745	77.055	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	149291	40.765	ng	100
3) Pyridine	3.510	79	393429	40.960	ng	100
4) n-Nitrosodimethylamine	3.452	42	180000	40.318	ng	100
6) Aniline	6.593	93	524888	40.324	ng	100
8) 2-Chlorophenol	6.716	128	331125	39.421	ng	100
9) Benzaldehyde	6.475	77	194204	38.074	ng	100
10) Phenol	6.575	94	449047	40.134	ng	100
11) bis(2-Chloroethyl)ether	6.657	93	327002	39.428	ng	100
12) 1,3-Dichlorobenzene	6.869	146	369069	39.224	ng	100
13) 1,4-Dichlorobenzene	6.946	146	369492	39.334	ng	100
14) 1,2-Dichlorobenzene	7.098	146	350532	39.068	ng	100
15) Benzyl Alcohol	7.069	79	285470	40.372	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	554459	39.105	ng	100
17) 2-Methylphenol	7.181	107	271001	39.543	ng	100
18) Hexachloroethane	7.440	117	126367	39.521	ng	100
19) n-Nitroso-di-n-propyla...	7.334	70	228365	38.472	ng	100
20) 3+4-Methylphenols	7.334	107	328370	40.072	ng	100
22) Acetophenone	7.334	105	423320	38.931	ng	100
24) Nitrobenzene	7.504	77	361256	40.556	ng	100
25) Isophorone	7.745	82	641248	39.312	ng	100
26) 2-Nitrophenol	7.822	139	171491	41.530	ng	100
27) 2,4-Dimethylphenol	7.863	122	272589	39.043	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	394269	39.324	ng	100
29) 2,4-Dichlorophenol	8.069	162	284618	39.990	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	286685	39.312	ng	100
31) Naphthalene	8.234	128	951330	39.623	ng	100
32) Benzoic acid	7.975	122	144395	39.956	ng	100
33) 4-Chloroaniline	8.275	127	348006	40.155	ng	100
34) Hexachlorobutadiene	8.351	225	185656	39.924	ng	100
35) Caprolactam	8.645	113	81112	39.584	ng	100
36) 4-Chloro-3-methylphenol	8.757	107	291801	39.809	ng	100
37) 2-Methylnaphthalene	8.922	142	631789	39.038	ng	100
38) 1-Methylnaphthalene	9.022	142	604084	38.959	ng	100
40) 1,2,4,5-Tetrachloroben...	9.087	216	301932	39.357	ng	100
41) Hexachlorocyclopentadiene	9.081	237	98458	38.885	ng	100
43) 2,4,6-Trichlorophenol	9.198	196	194463	40.635	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143420.D
Acq On : 15 Aug 2025 16:28
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 15 18:27:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

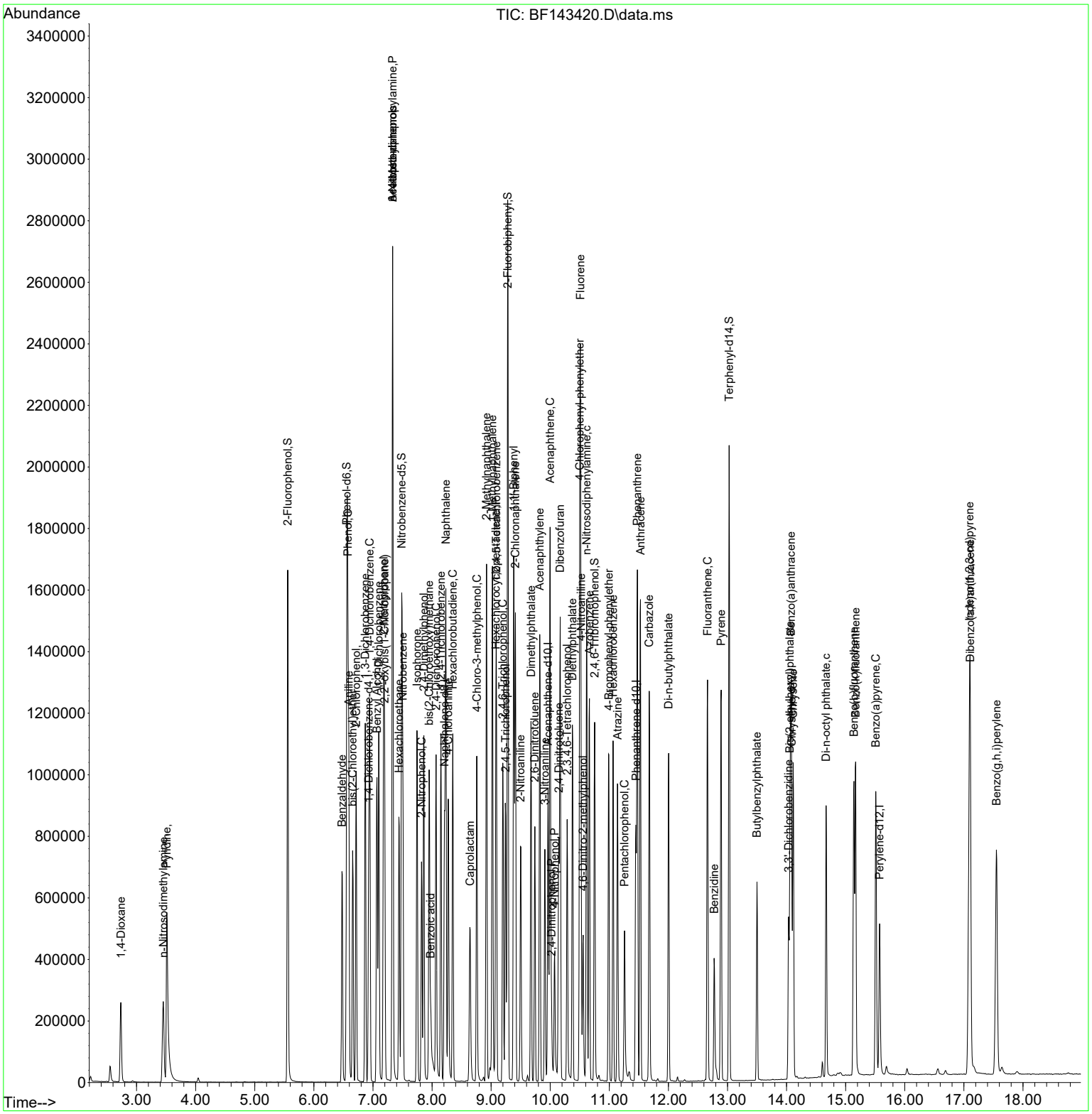
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	207994	40.546	ng	100
46) 1,1'-Biphenyl	9.381	154	756357	39.133	ng	100
47) 2-Chloronaphthalene	9.410	162	595680	39.044	ng	100
48) 2-Nitroaniline	9.498	65	184632	40.666	ng	100
49) Acenaphthylene	9.822	152	865258	39.280	ng	100
50) Dimethylphthalate	9.675	163	665610	38.811	ng	100
51) 2,6-Dinitrotoluene	9.739	165	138694	41.024	ng	100
52) Acenaphthene	9.998	154	573888	38.736	ng	100
53) 3-Nitroaniline	9.910	138	155480	41.285	ng	100
54) 2,4-Dinitrophenol	10.022	184	52940	37.023	ng	100
55) Dibenzofuran	10.169	168	834107	39.027	ng	100
56) 4-Nitrophenol	10.075	139	98425	41.570	ng	100
57) 2,4-Dinitrotoluene	10.145	165	183519	40.714	ng	100
58) Fluorene	10.510	166	623065	37.948	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.286	232	163623	42.137	ng	100
60) Diethylphthalate	10.375	149	609804	38.477	ng	100
61) 4-Chlorophenyl-phenyle...	10.498	204	315863	38.911	ng	100
62) 4-Nitroaniline	10.522	138	143326	40.695	ng	100
63) Azobenzene	10.663	77	625307	39.038	ng	100
65) 4,6-Dinitro-2-methylph...	10.557	198	89738	41.565	ng	100
66) n-Nitrosodiphenylamine	10.616	169	539955	39.686	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	197382	39.946	ng	100
68) Hexachlorobenzene	11.063	284	204335	38.899	ng	100
69) Atrazine	11.139	200	159131	39.987	ng	100
70) Pentachlorophenol	11.257	266	95543	40.967	ng	100
71) Phenanthrene	11.475	178	887025	39.146	ng	100
72) Anthracene	11.528	178	891035	38.933	ng	100
73) Carbazole	11.675	167	748842	38.687	ng	100
74) Di-n-butylphthalate	12.004	149	746153	38.710	ng	100
75) Fluoranthene	12.663	202	747356	37.119	ng	100
77) Benzidine	12.775	184	246322	40.043	ng	100
78) Pyrene	12.892	202	737731	39.060	ng	100
80) Butylbenzylphthalate	13.498	149	199307	42.604	ng	100
81) Benzo(a)anthracene	14.074	228	545178	39.407	ng	100
82) 3,3'-Dichlorobenzidine	14.033	252	170953	42.205	ng	100
83) Chrysene	14.110	228	518778	40.562	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	290451	43.719	ng	100
85) Di-n-octyl phthalate	14.669	149	578031	42.897	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	844235	39.863	ng	100
88) Benzo(b)fluoranthene	15.139	252	615448	40.661	ng	100
89) Benzo(k)fluoranthene	15.169	252	594473	39.820	ng	100
90) Benzo(a)pyrene	15.510	252	589150	40.866	ng	100
91) Dibenzo(a,h)anthracene	17.110	278	679495	39.953	ng	100
92) Benzo(g,h,i)perylene	17.551	276	681509	40.113	ng	100

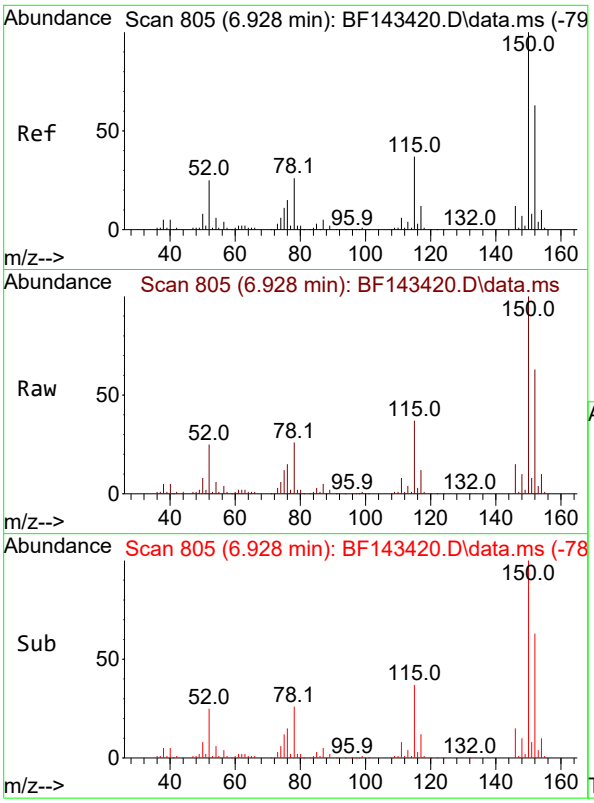
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143420.D
Acq On : 15 Aug 2025 16:28
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 15 18:27:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



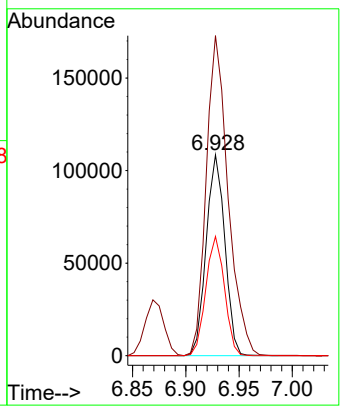


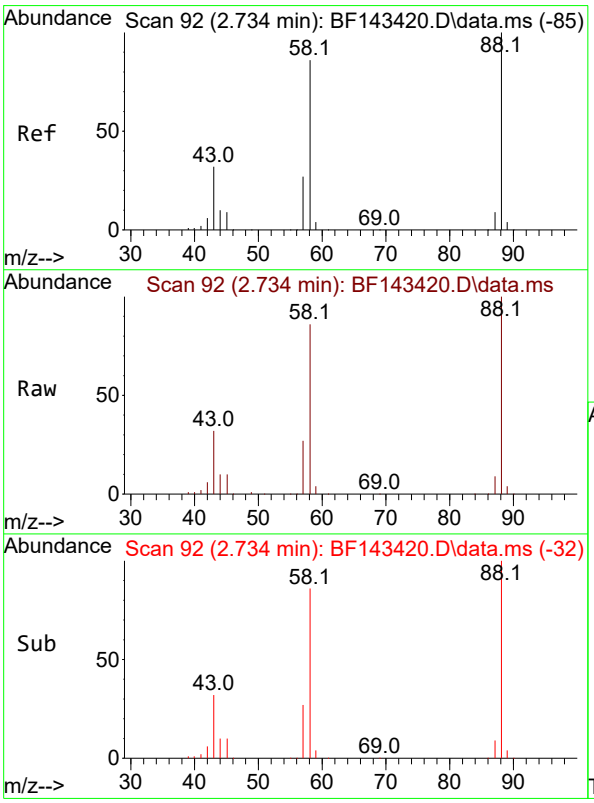
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 132257

Ion	Ratio	Lower	Upper
152	100		
150	159.3	127.4	191.2
115	59.4	47.5	71.3

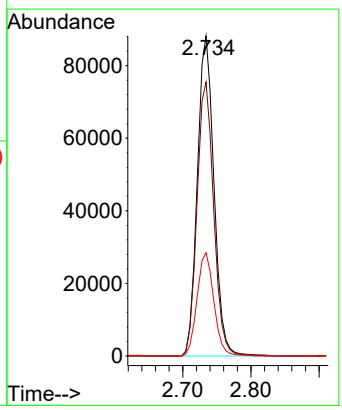


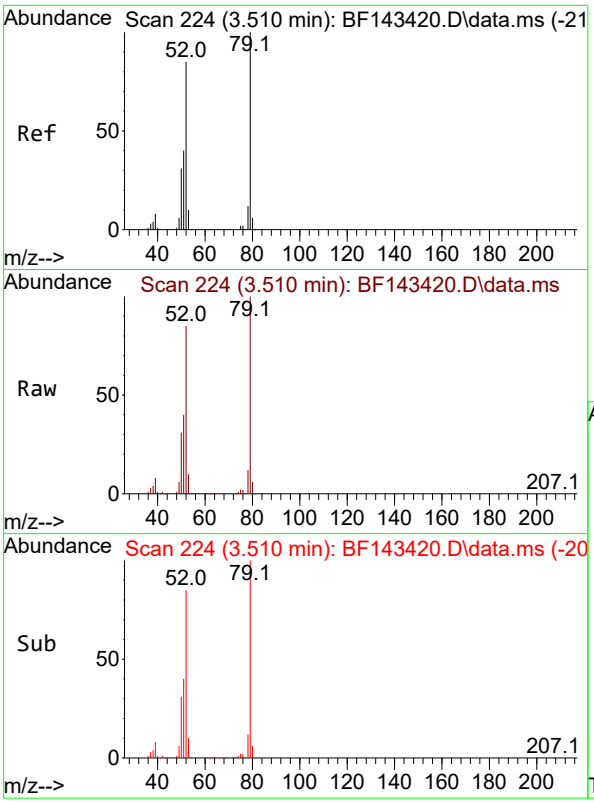


#2
1,4-Dioxane
Concen: 40.765 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 88 Resp: 149291

Ion	Ratio	Lower	Upper
88	100		
58	85.9	68.7	103.1
43	32.6	26.1	39.1



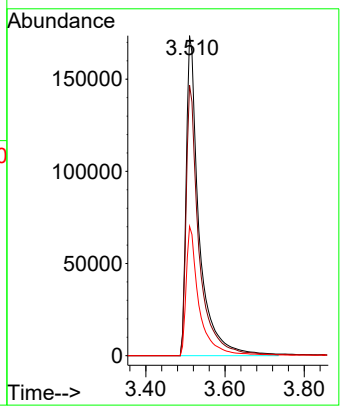


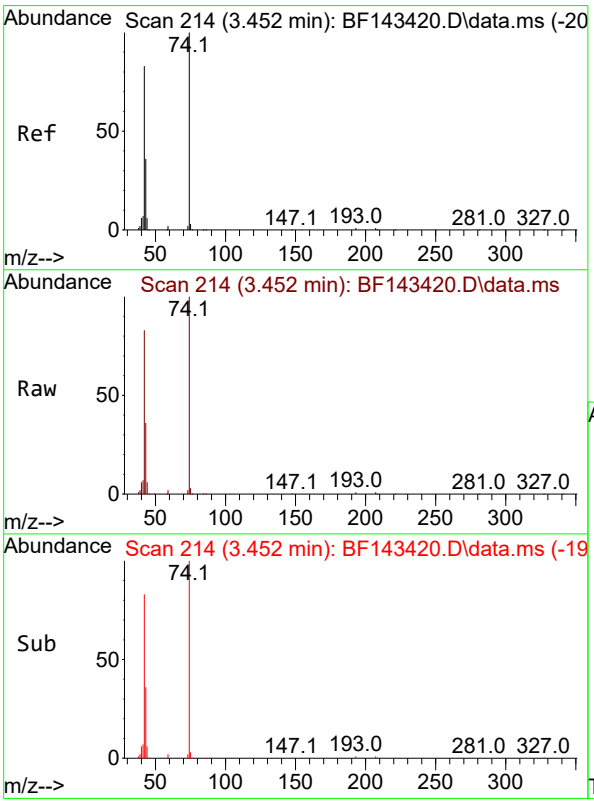
#3
Pyridine
Concen: 40.960 ng
RT: 3.510 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 393429

Ion	Ratio	Lower	Upper
79	100		
52	84.6	67.7	101.5
51	40.4	32.3	48.5

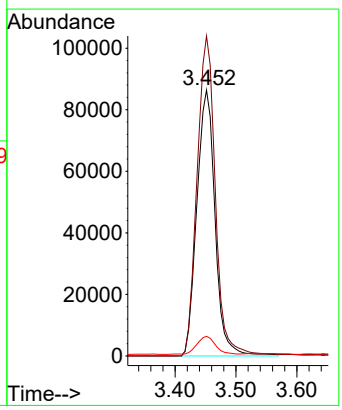


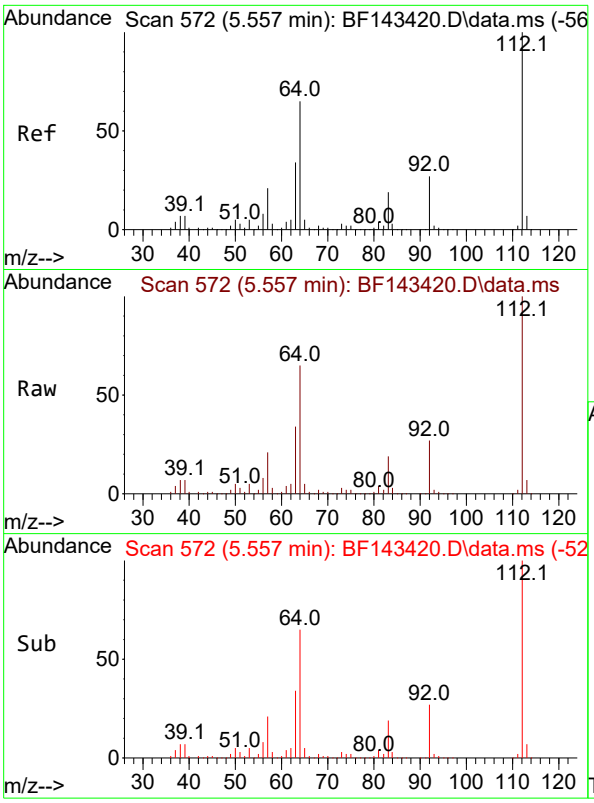


#4
n-Nitrosodimethylamine
Concen: 40.318 ng
RT: 3.452 min Scan# 214
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 42 Resp: 180000

Ion	Ratio	Lower	Upper
42	100		
74	120.3	96.2	144.4
44	7.4	5.9	8.9



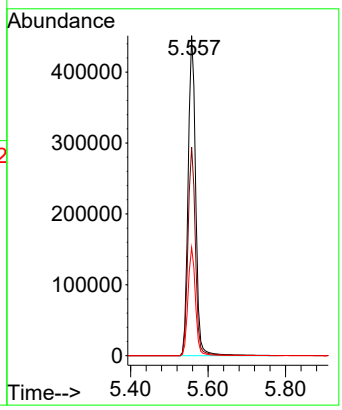


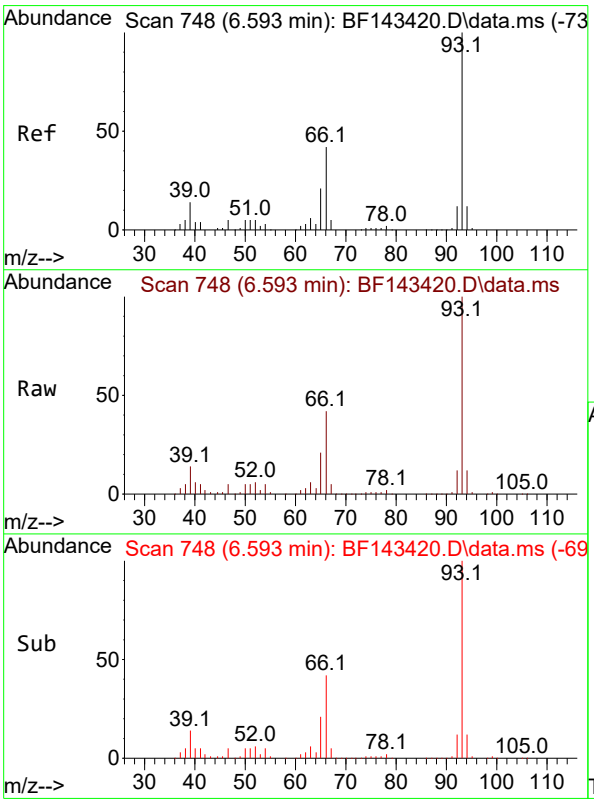
#5
2-Fluorophenol
Concen: 79.773 ng
RT: 5.557 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 606940

Ion	Ratio	Lower	Upper
112	100		
64	65.2	52.2	78.2
63	33.8	27.0	40.6

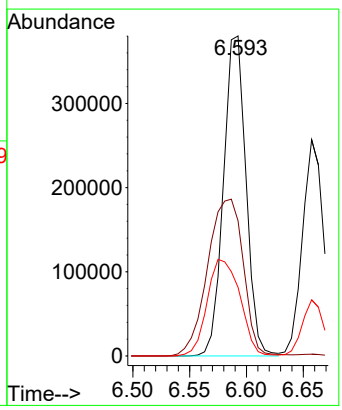


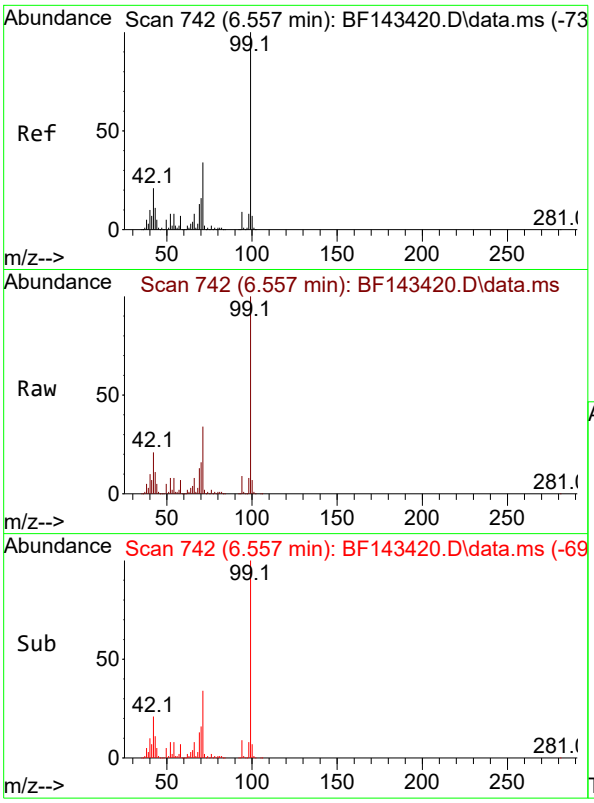


#6
Aniline
Concen: 40.324 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 93 Resp: 524888

Ion	Ratio	Lower	Upper
93	100		
66	42.3	33.8	50.8
65	21.5	17.2	25.8



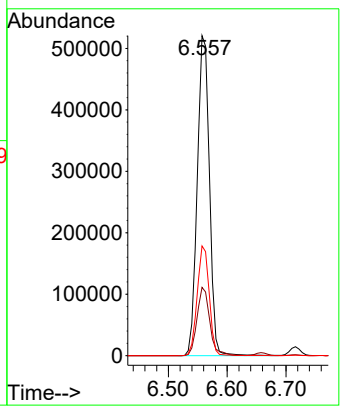


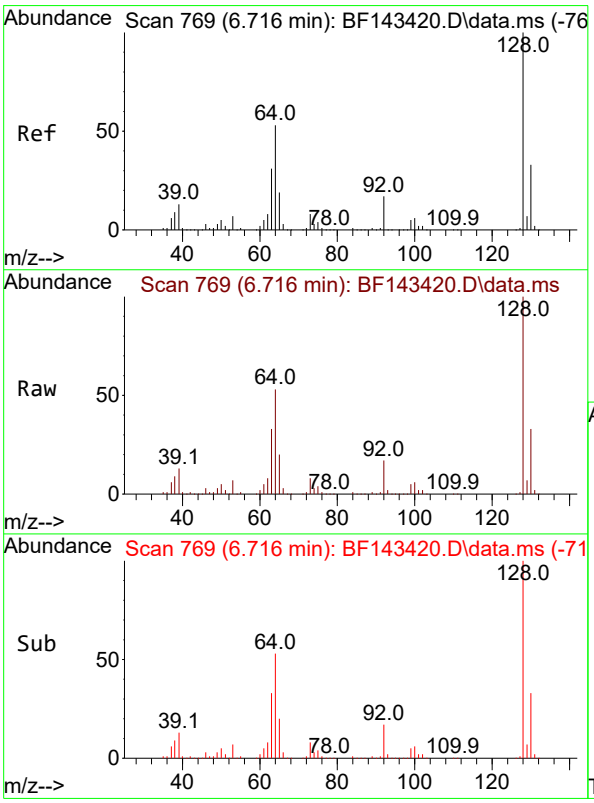
#7
Phenol-d6
Concen: 78.010 ng
RT: 6.557 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 747976

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	34.3	27.4	41.2

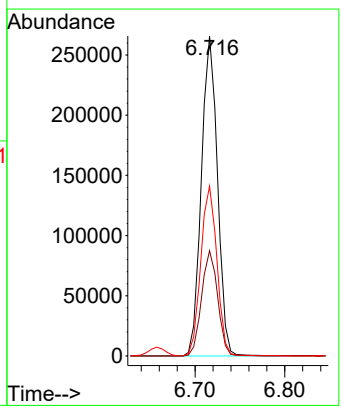


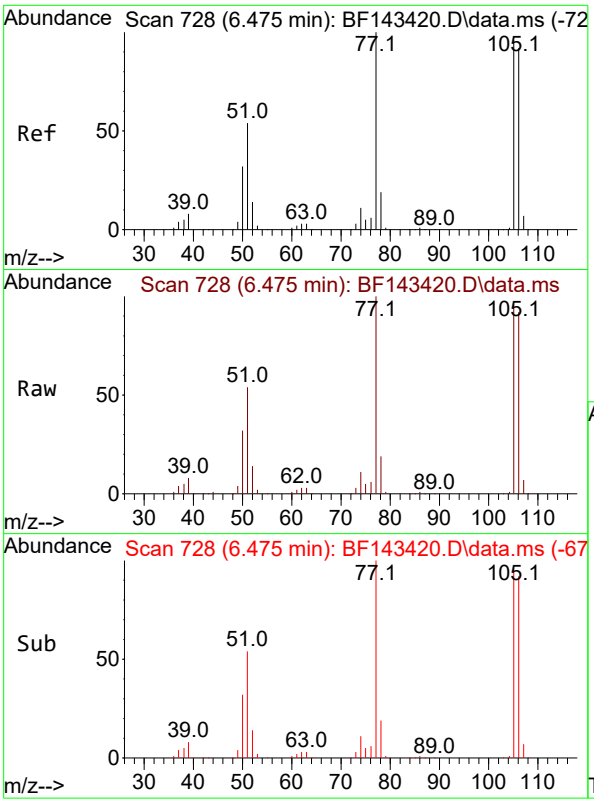


#8
2-Chlorophenol
Concen: 39.421 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:128 Resp: 331125

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.9	52.9
64	53.1	33.1	73.1



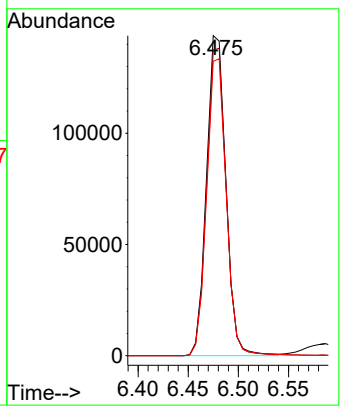


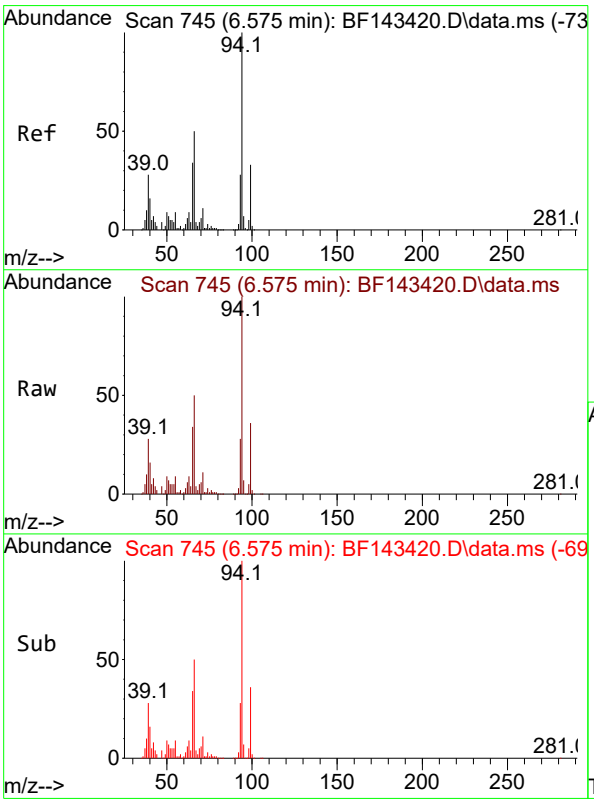
#9
Benzaldehyde
Concen: 38.074 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 194204

Ion	Ratio	Lower	Upper
77	100		
105	95.5	75.5	115.5
106	92.0	72.0	112.0

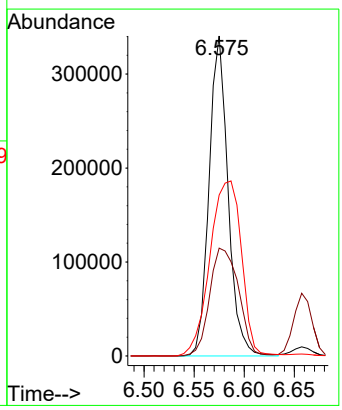


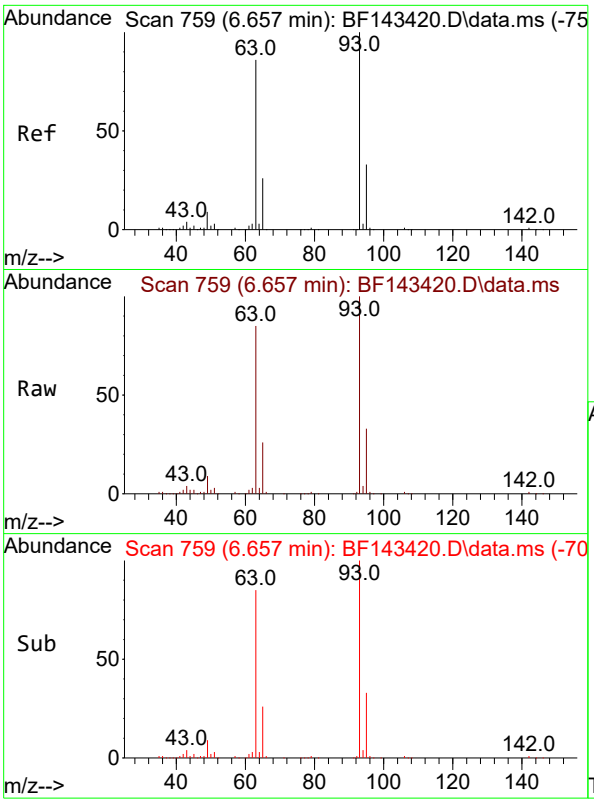


#10
Phenol
Concen: 40.134 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 94 Resp: 449047

Ion	Ratio	Lower	Upper
94	100		
65	33.7	13.7	53.7
66	50.3	30.3	70.3



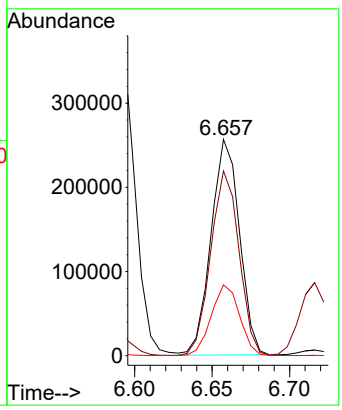


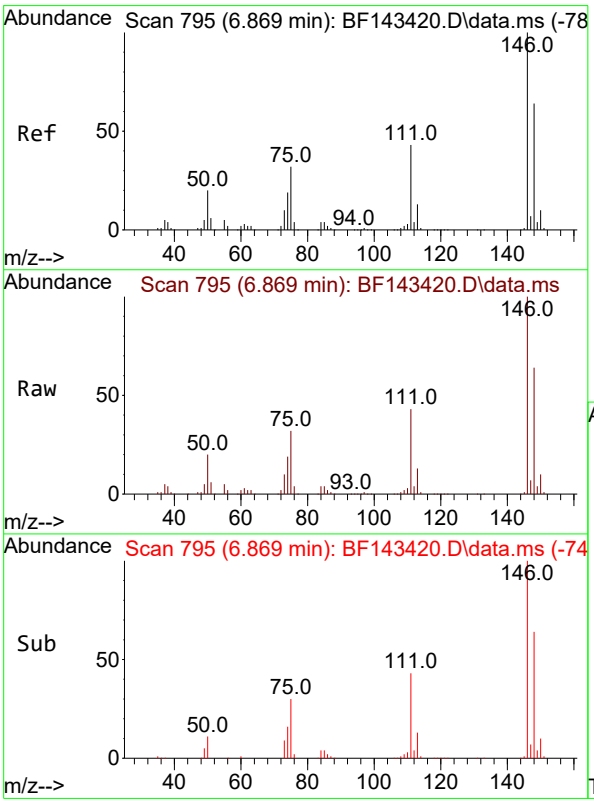
#11
bis(2-Chloroethyl)ether
Concen: 39.428 ng
RT: 6.657 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 327002

Ion	Ratio	Lower	Upper
93	100		
63	85.4	65.4	105.4
95	32.8	12.8	52.8

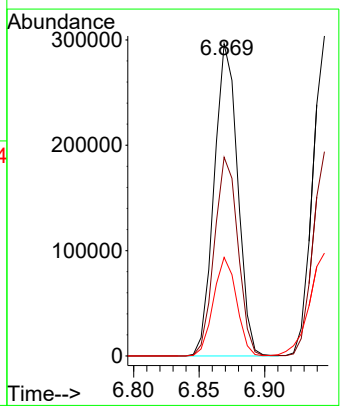


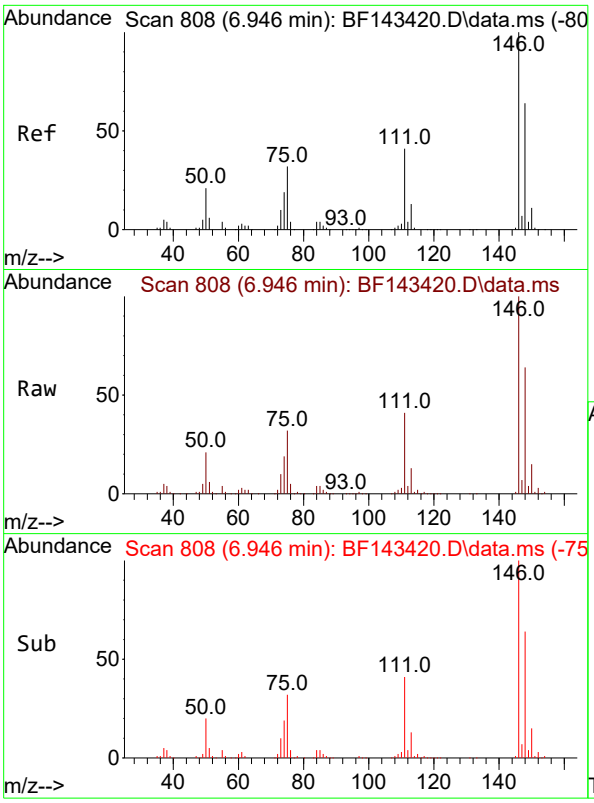


#12
1,3-Dichlorobenzene
Concen: 39.224 ng
RT: 6.869 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:146 Resp: 369069

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	31.6	25.3	37.9



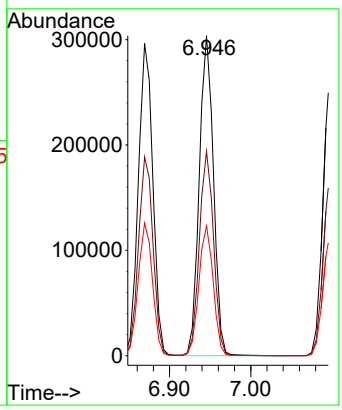


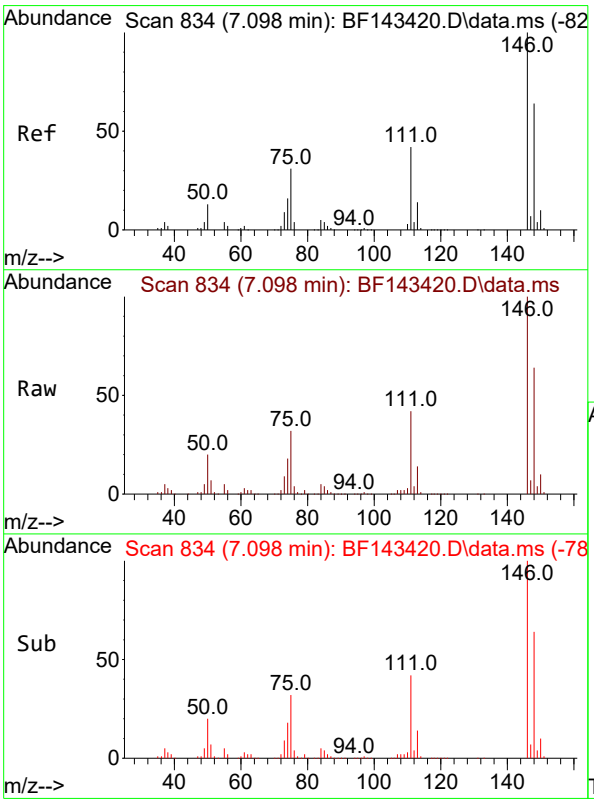
#13
1,4-Dichlorobenzene
Concen: 39.334 ng
RT: 6.946 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 369492

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	40.6	32.5	48.7

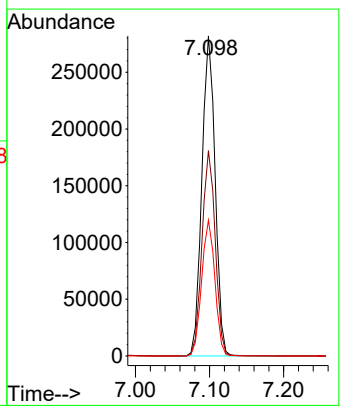


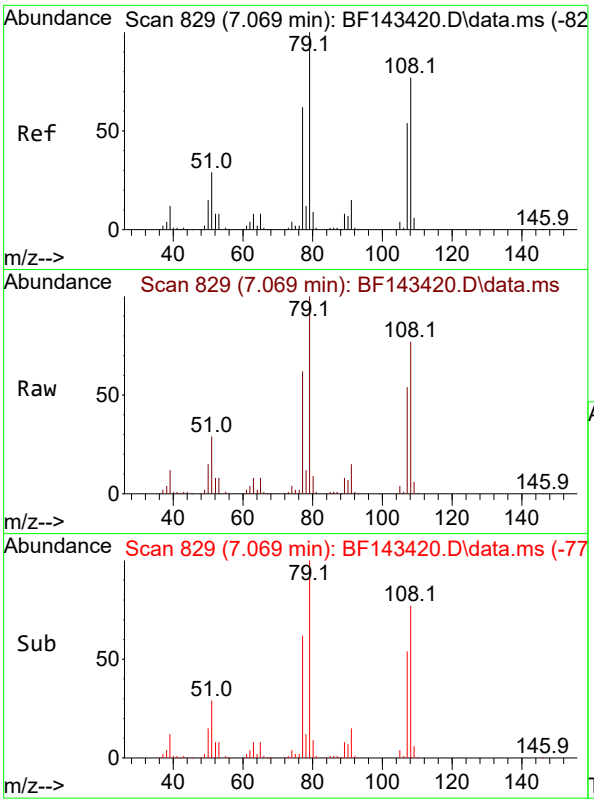


#14
1,2-Dichlorobenzene
Concen: 39.068 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:146 Resp: 350532

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
111	42.4	33.9	50.9



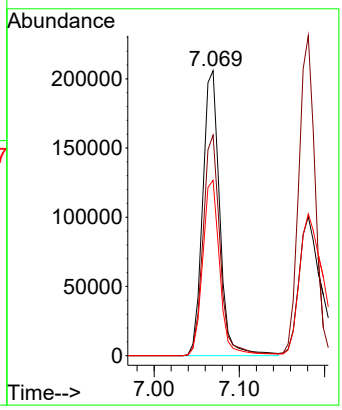


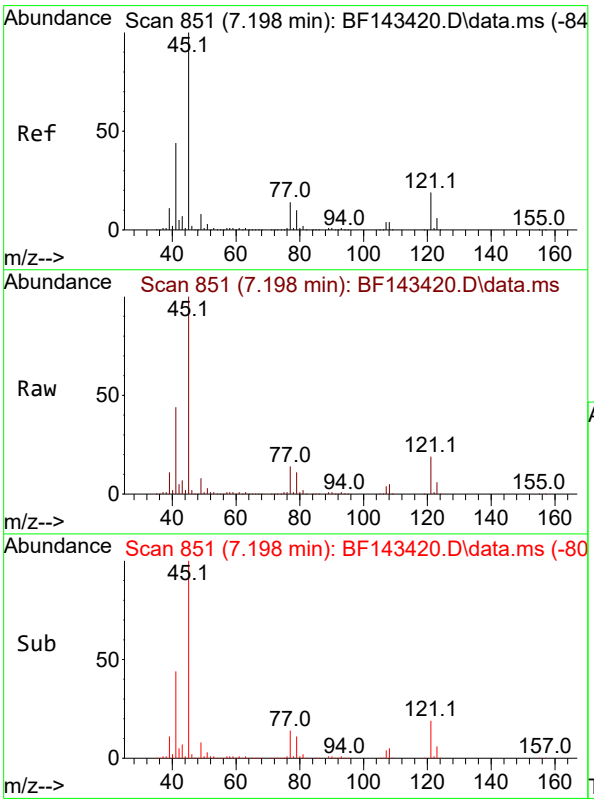
#15
Benzyl Alcohol
Concen: 40.372 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 285470

Ion	Ratio	Lower	Upper
79	100		
108	77.4	61.9	92.9
77	61.5	49.2	73.8

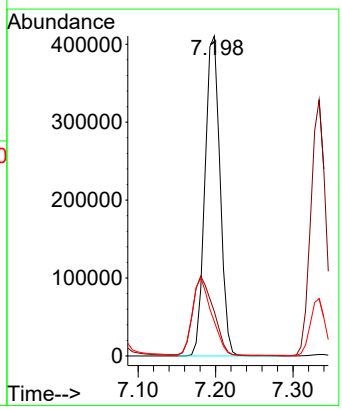


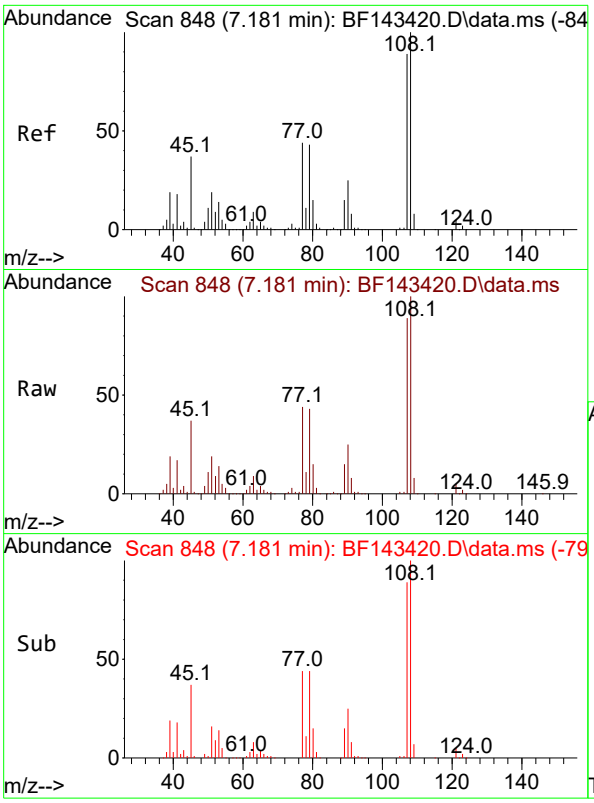


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.105 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 45 Resp: 554459

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.9
79	10.7	0.0	30.7



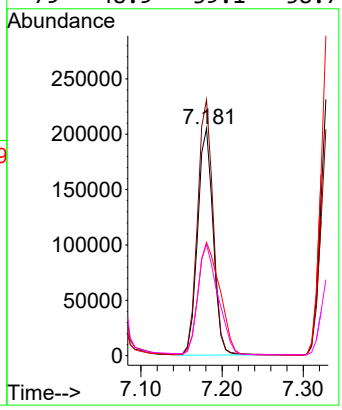


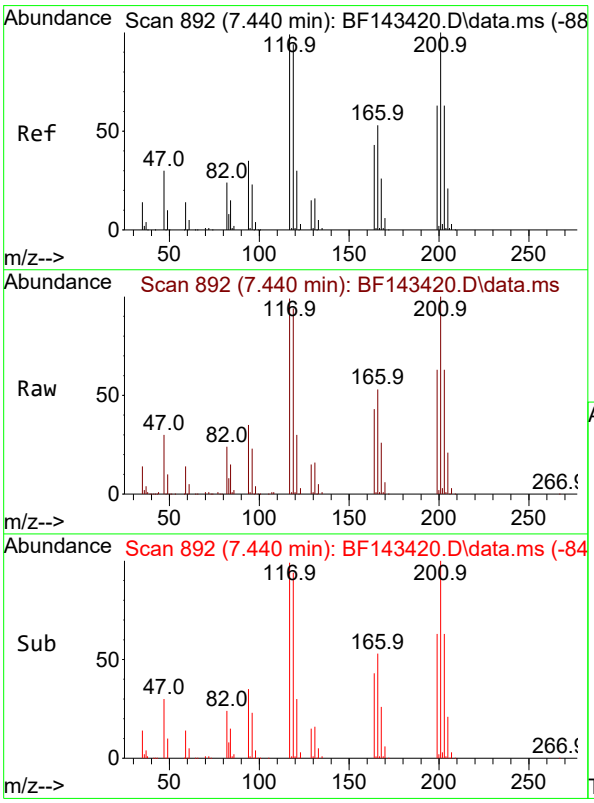
#17
2-Methylphenol
Concen: 39.543 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 271001

Ion	Ratio	Lower	Upper
107	100		
108	112.6	90.1	135.1
77	49.9	39.9	59.9
79	48.9	39.1	58.7

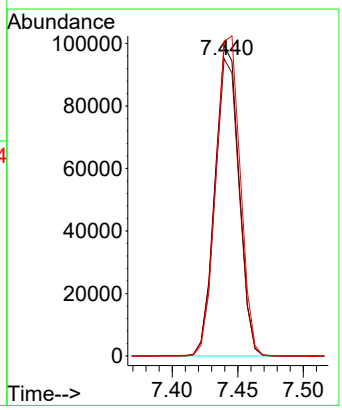


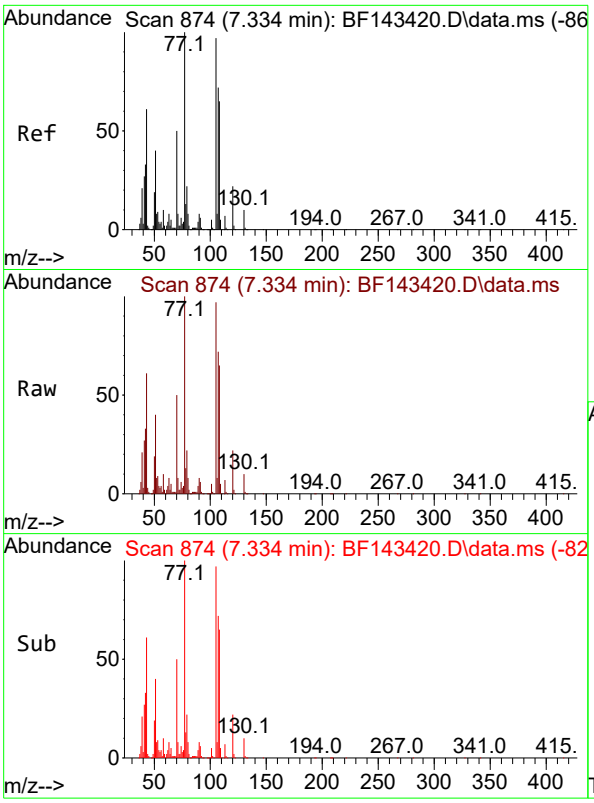


#18
Hexachloroethane
Concen: 39.521 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:117 Resp: 126367

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	101.2	81.0	121.4



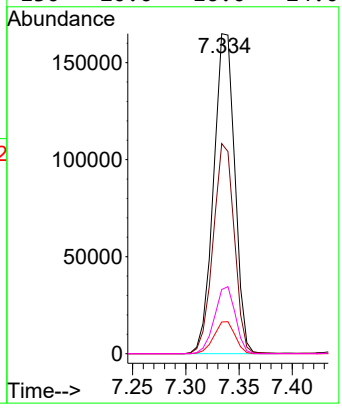


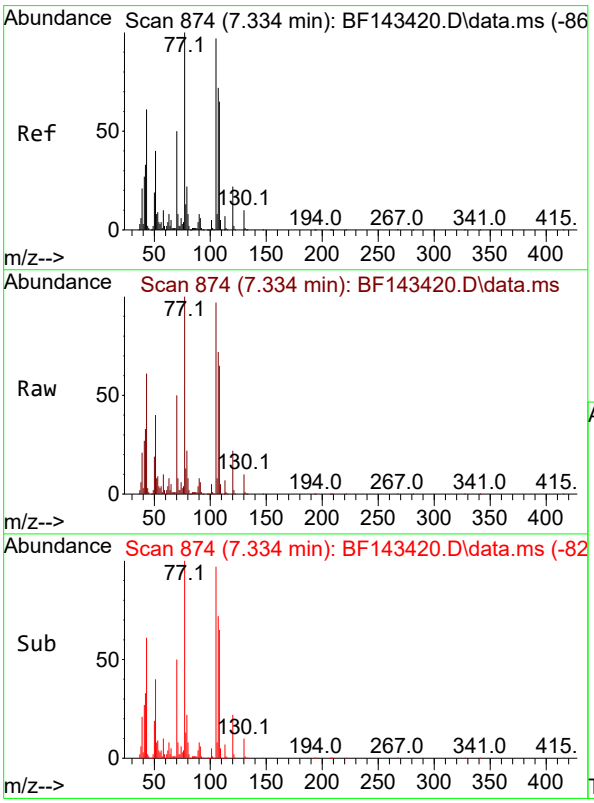
#19
n-Nitroso-di-n-propylamine
Concen: 38.472 ng
RT: 7.334 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 228365

Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.9	7.9	11.9
130	20.0	16.0	24.0

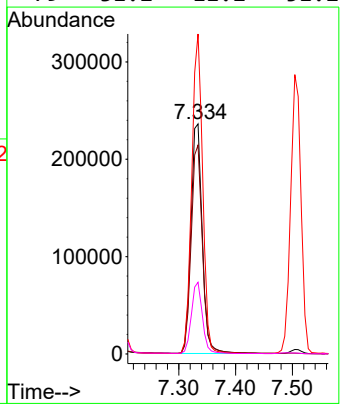


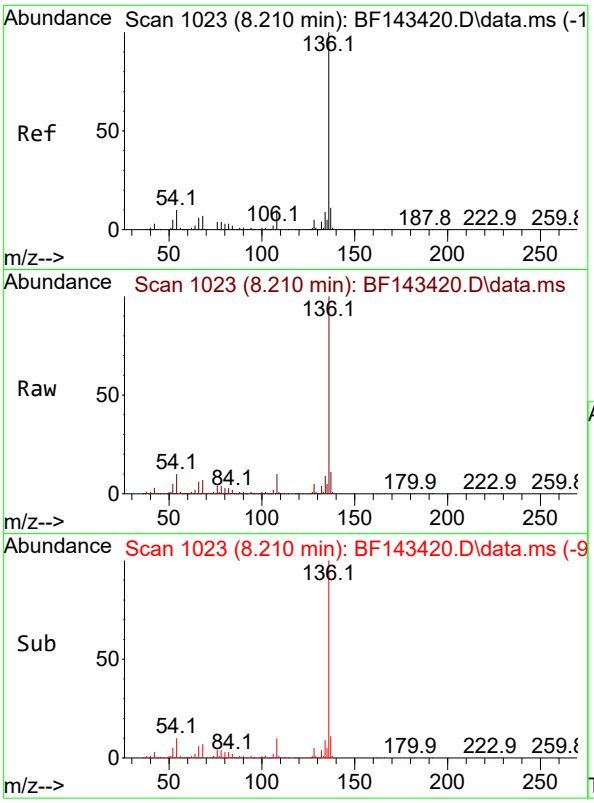


#20
3+4-Methylphenols
Concen: 40.072 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:107 Resp: 328370

Ion	Ratio	Lower	Upper
107	100		
108	90.8	70.8	110.8
77	139.1	119.1	159.1
79	31.2	11.2	51.2



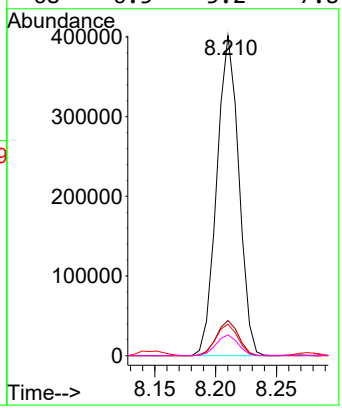


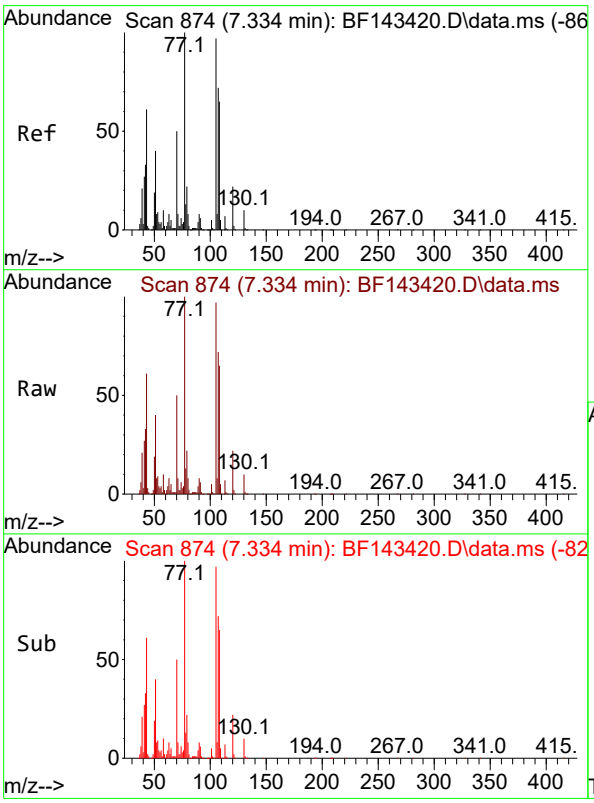
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 505729

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.8	7.8	11.8
68	6.5	5.2	7.8

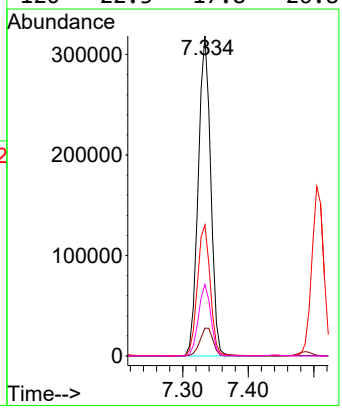


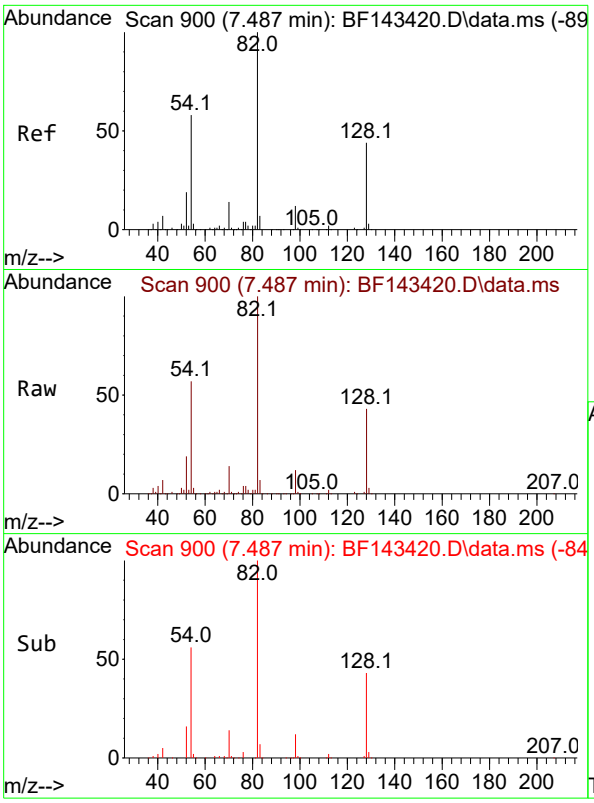


#22
Acetophenone
Concen: 38.931 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:105 Resp: 423320

Ion	Ratio	Lower	Upper
105	100		
71	8.7	7.0	10.4
51	40.9	32.7	49.1
120	22.3	17.8	26.8



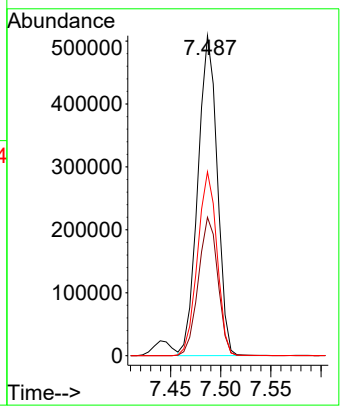


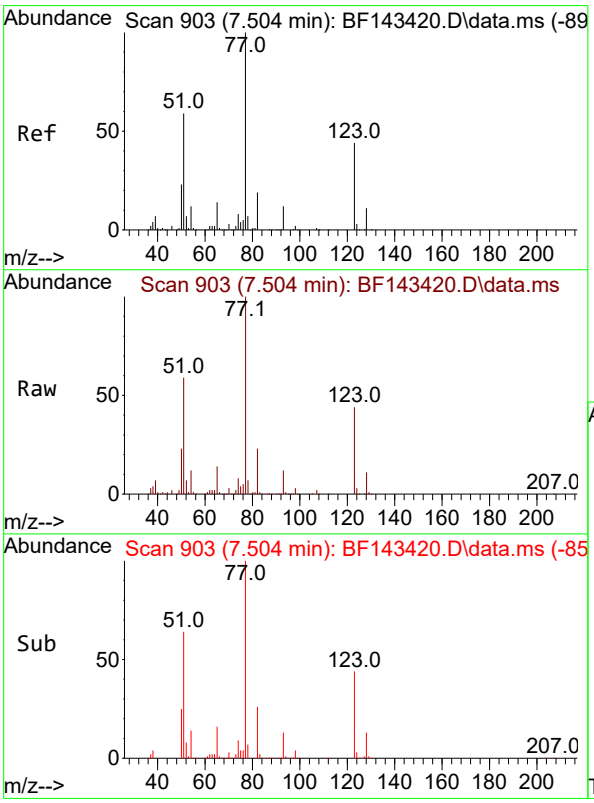
#23
Nitrobenzene-d5
Concen: 80.398 ng
RT: 7.487 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 685209

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.6	52.0
54	57.5	46.0	69.0

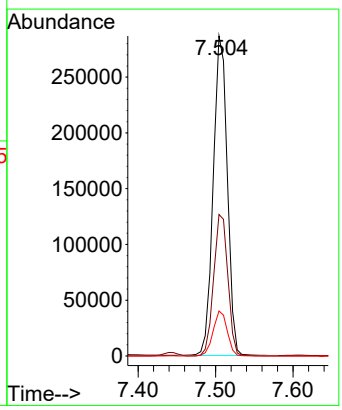


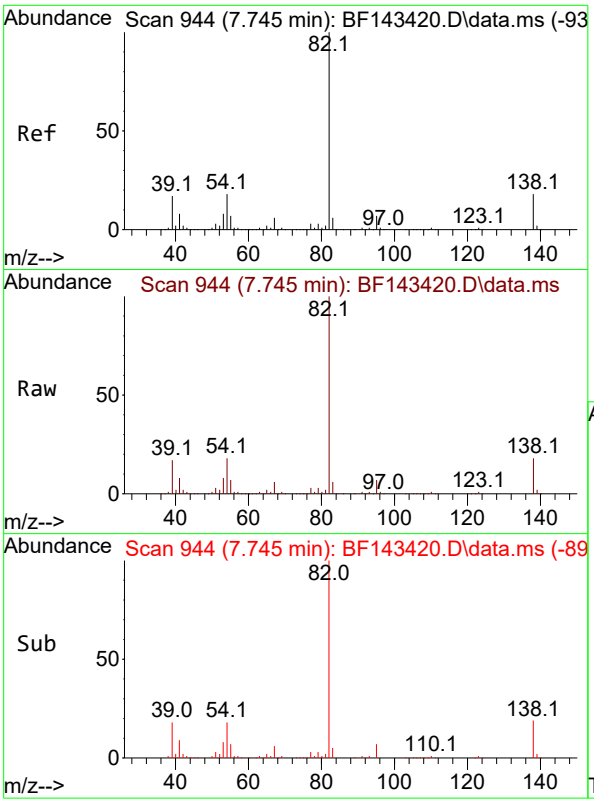


#24
Nitrobenzene
Concen: 40.556 ng
RT: 7.504 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 77 Resp: 361256

Ion	Ratio	Lower	Upper
77	100		
123	44.2	35.4	53.0
65	14.0	11.2	16.8



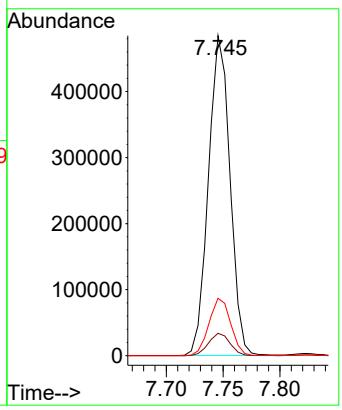


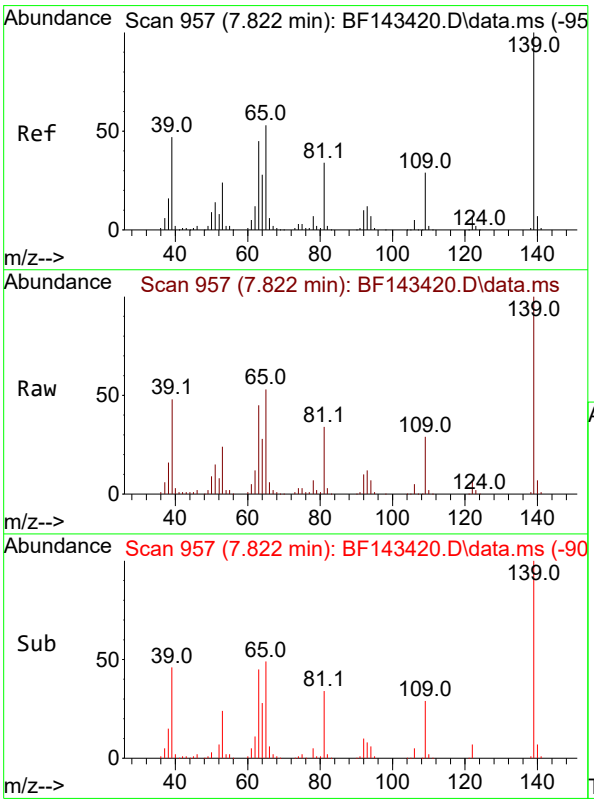
#25
Isophorone
Concen: 39.312 ng
RT: 7.745 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 641248

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.9	14.3	21.5

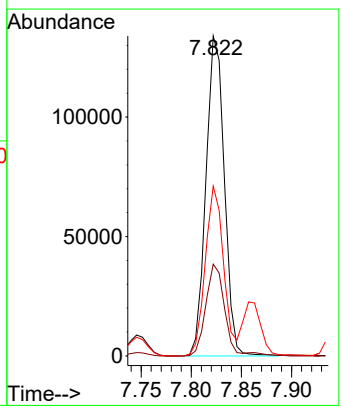


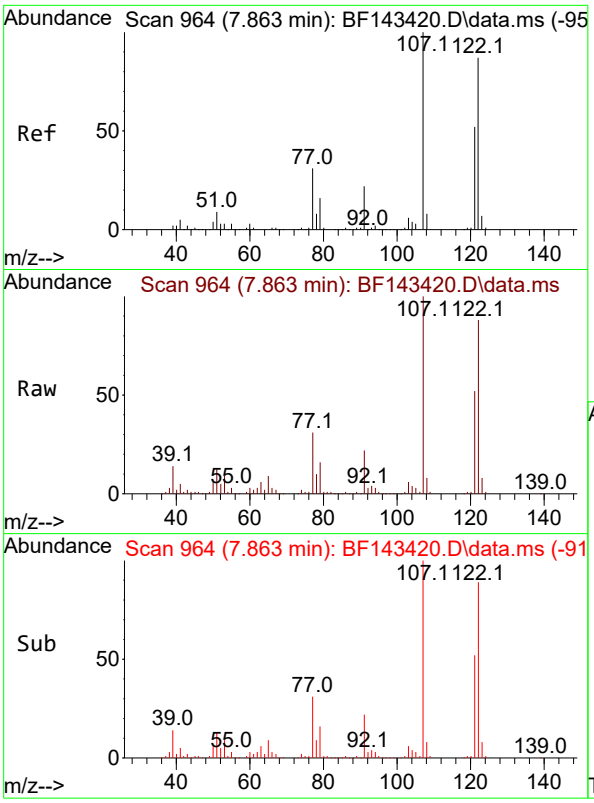


#26
2-Nitrophenol
Concen: 41.530 ng
RT: 7.822 min Scan# 957
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:139 Resp: 171491

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.0	34.4
65	53.1	42.5	63.7



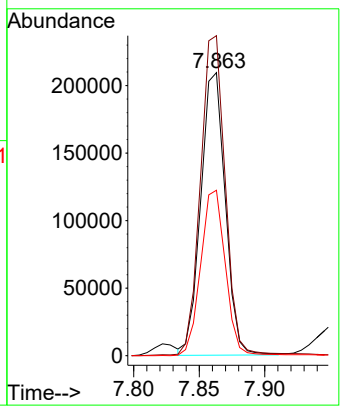


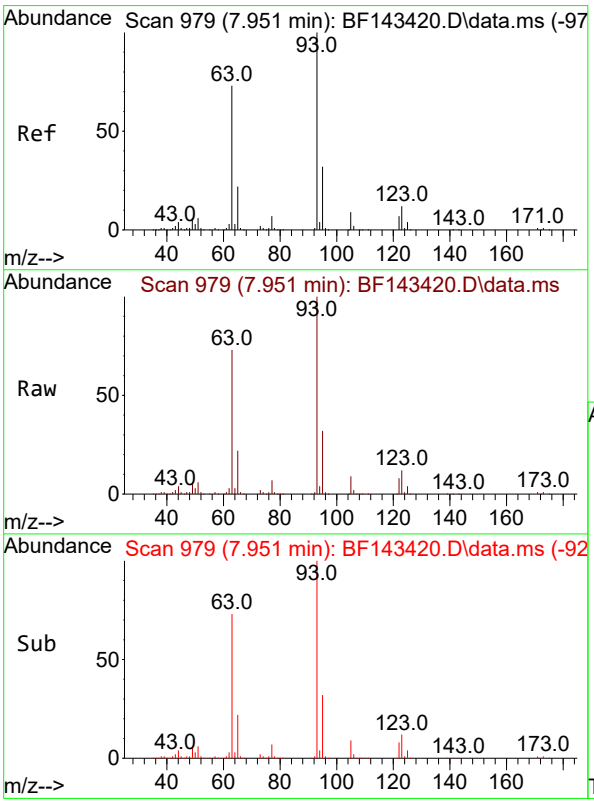
#27
2,4-Dimethylphenol
Concen: 39.043 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 272589

Ion	Ratio	Lower	Upper
122	100		
107	113.0	90.4	135.6
121	58.4	46.7	70.1

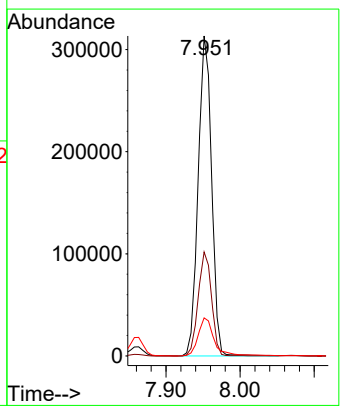


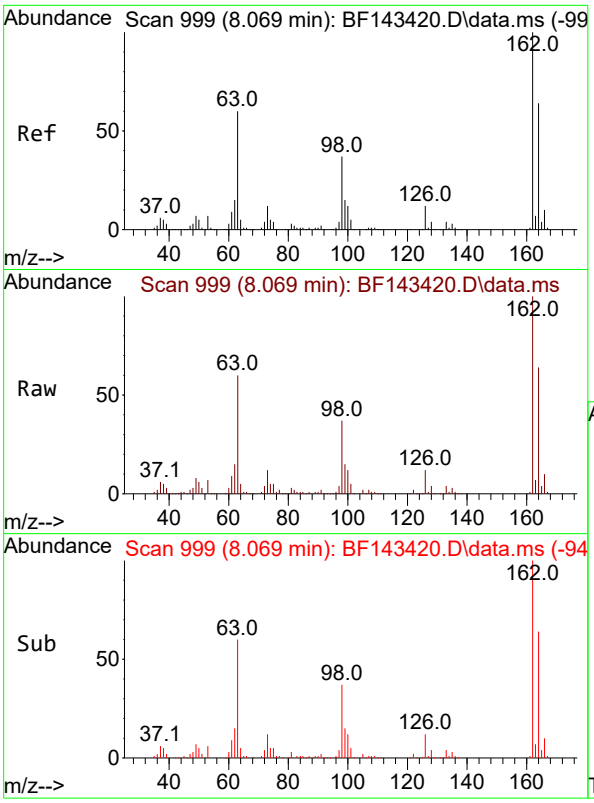


#28
bis(2-Chloroethoxy)methane
Concen: 39.324 ng
RT: 7.951 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 93 Resp: 394269

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.9	9.5	14.3



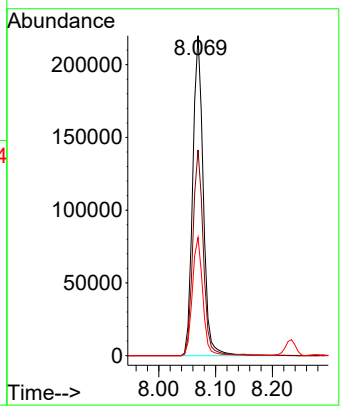


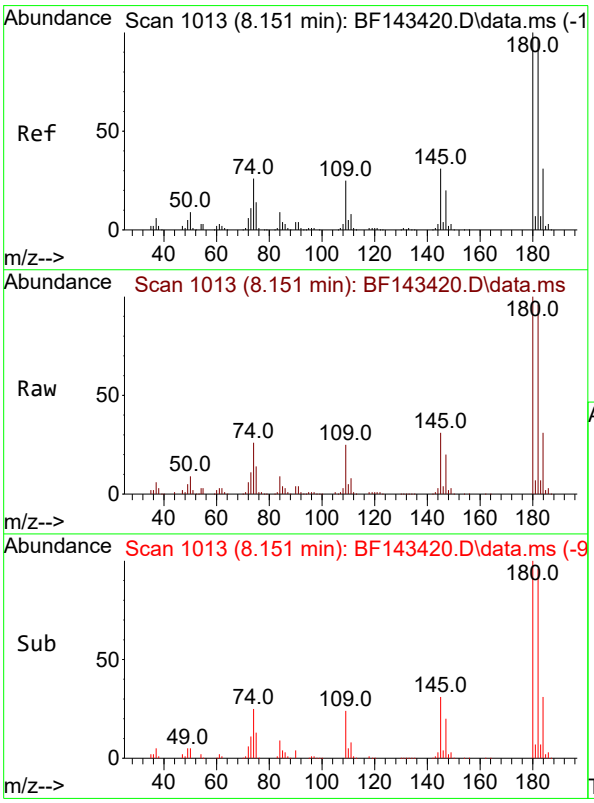
#29
2,4-Dichlorophenol
Concen: 39.990 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 284618

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	36.9	16.9	56.9

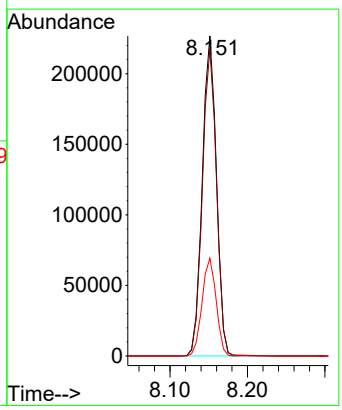


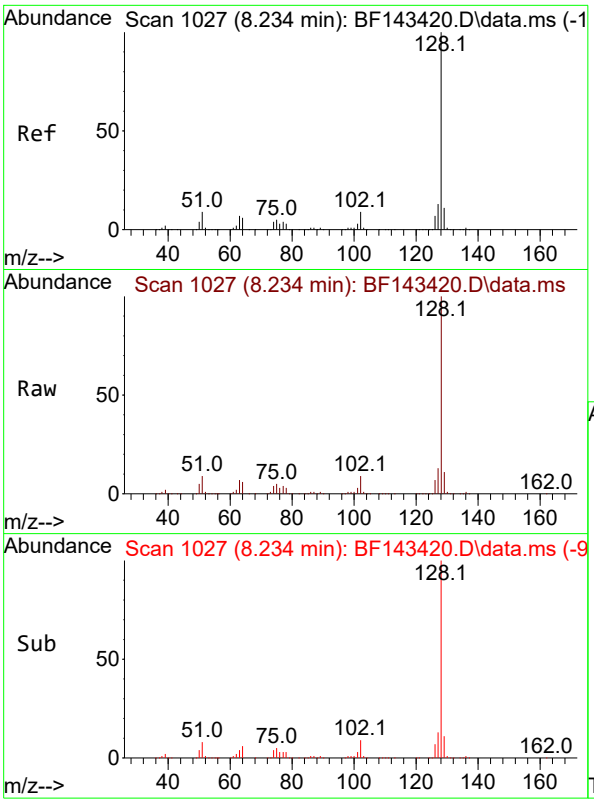


#30
1,2,4-Trichlorobenzene
Concen: 39.312 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:180 Resp: 286685

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	30.6	24.5	36.7



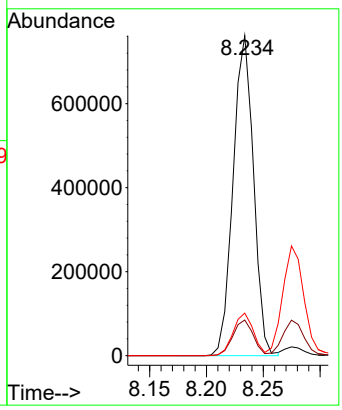


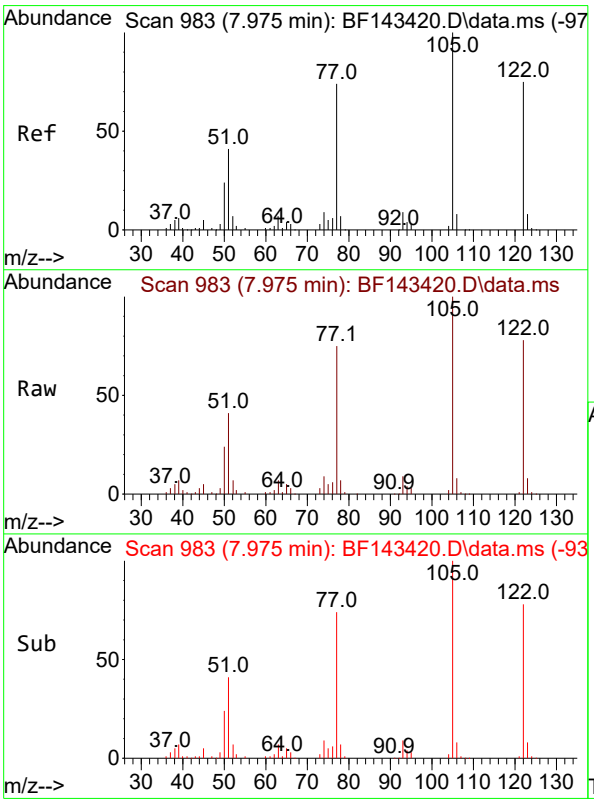
#31
Naphthalene
Concen: 39.623 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 951330

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.3	10.6	16.0

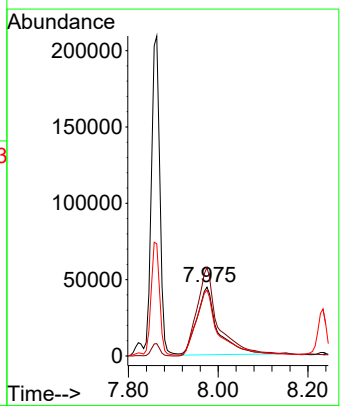


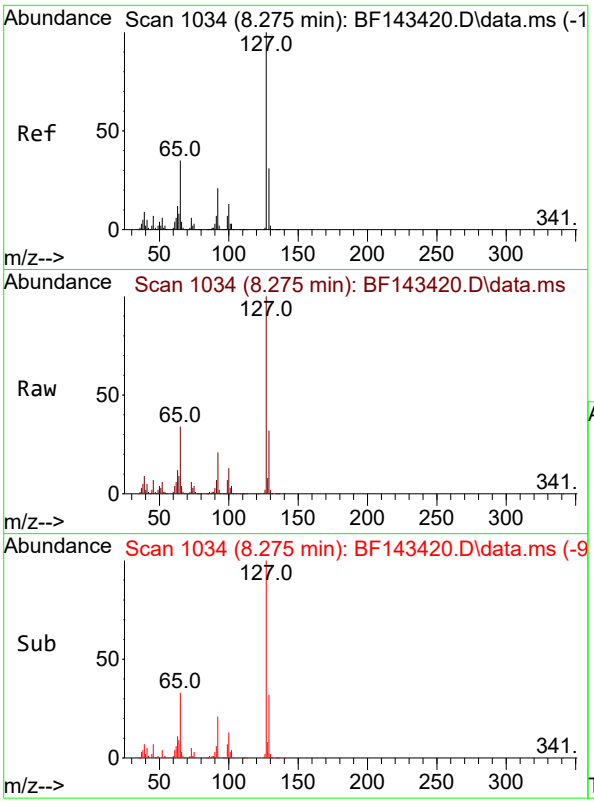


#32
Benzoic acid
Concen: 39.956 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:122 Resp: 144395

Ion	Ratio	Lower	Upper
122	100		
105	128.4	108.4	148.4
77	95.9	75.9	115.9



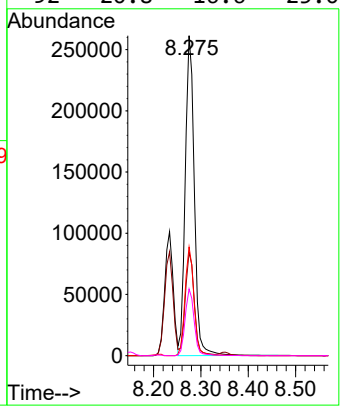


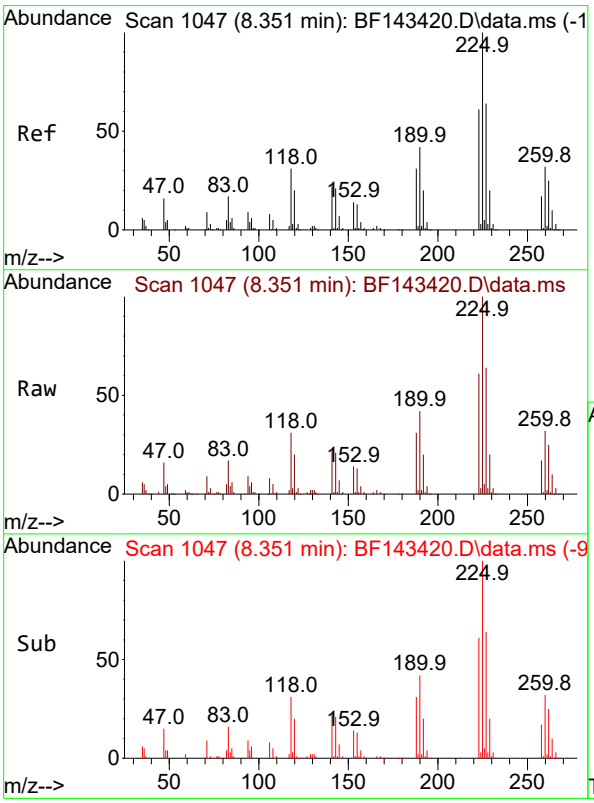
#33
4-Chloroaniline
Concen: 40.155 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 348006

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	34.0	27.2	40.8
92	20.8	16.6	25.0

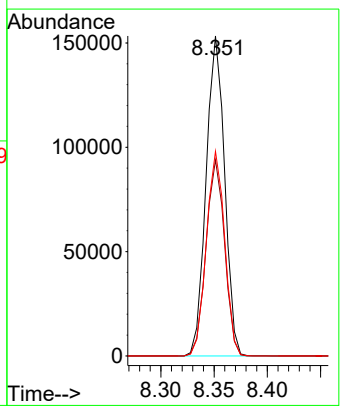


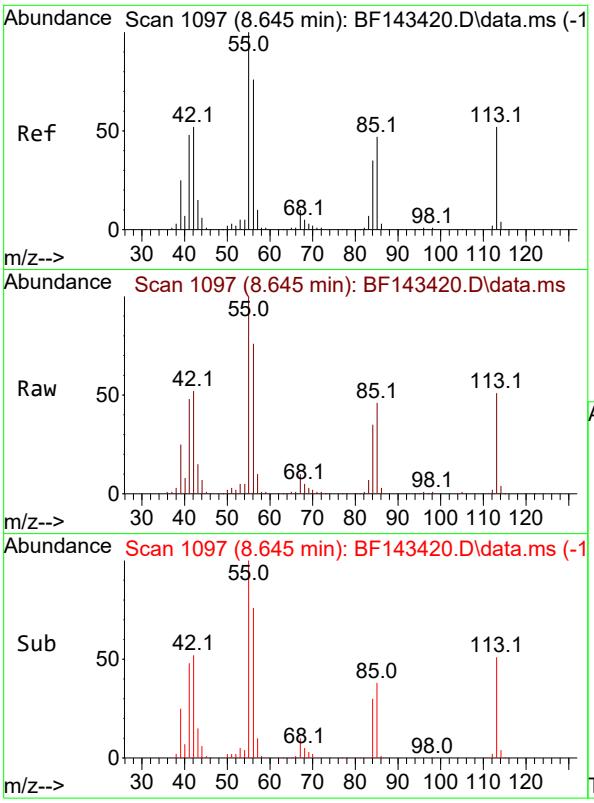


#34
Hexachlorobutadiene
Concen: 39.924 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:225 Resp: 185656

Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.0	73.6
227	63.9	51.1	76.7



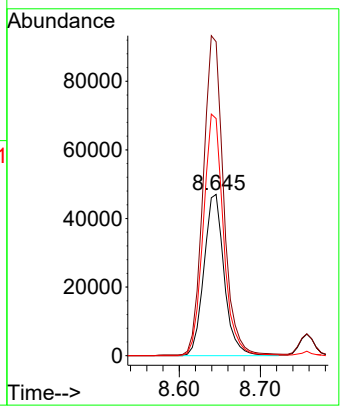


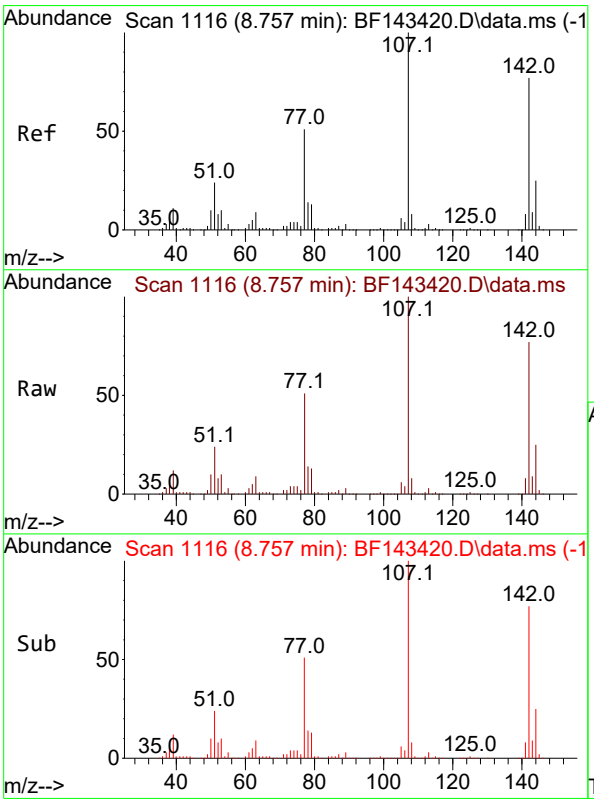
#35
Caprolactam
Concen: 39.584 ng
RT: 8.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 81112

Ion	Ratio	Lower	Upper
113	100		
55	194.7	174.7	214.7
56	147.0	127.0	167.0

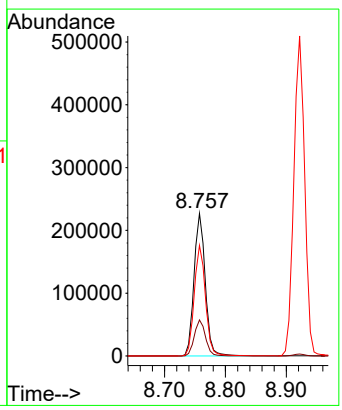


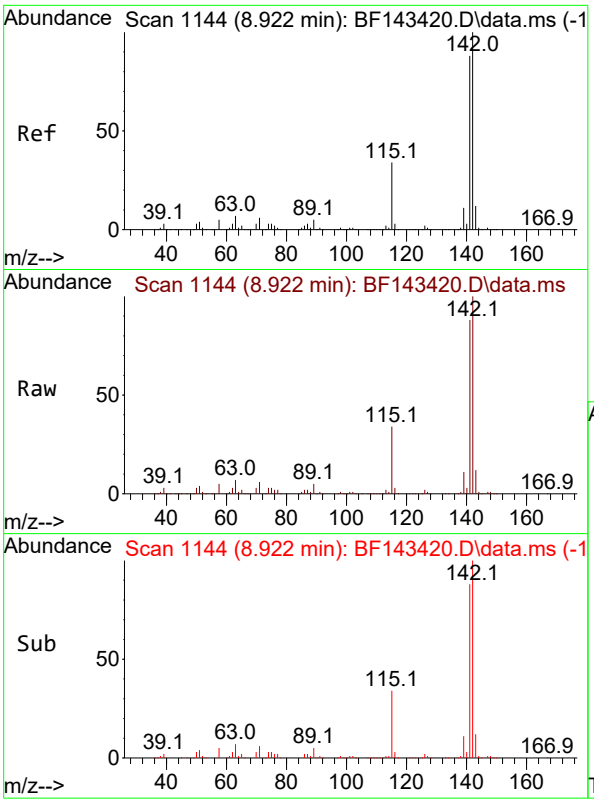


#36
4-Chloro-3-methylphenol
Concen: 39.809 ng
RT: 8.757 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:107 Resp: 291801

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.2	30.2
142	77.5	62.0	93.0



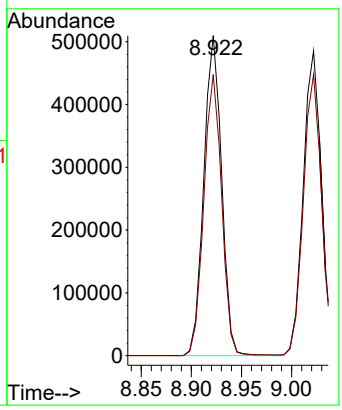


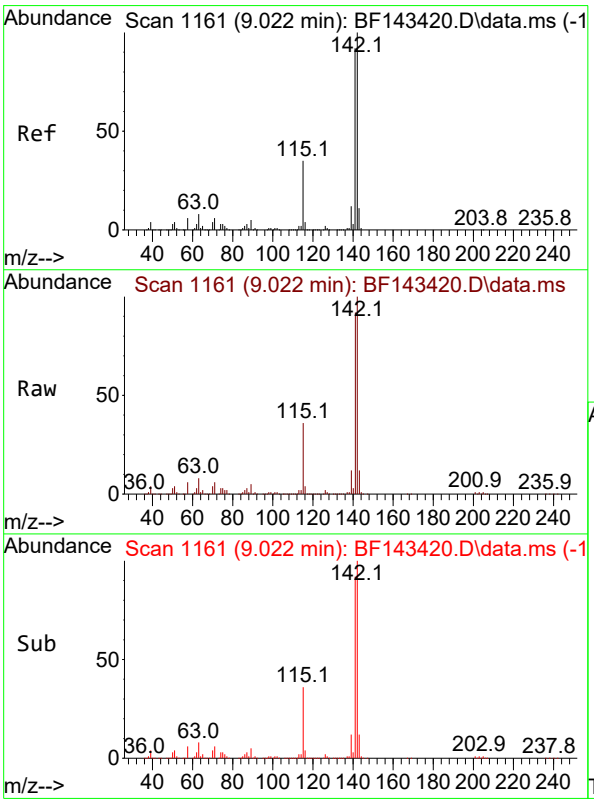
#37
2-Methylnaphthalene
Concen: 39.038 ng
RT: 8.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 631789

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5

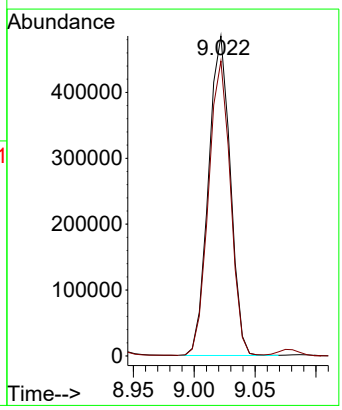


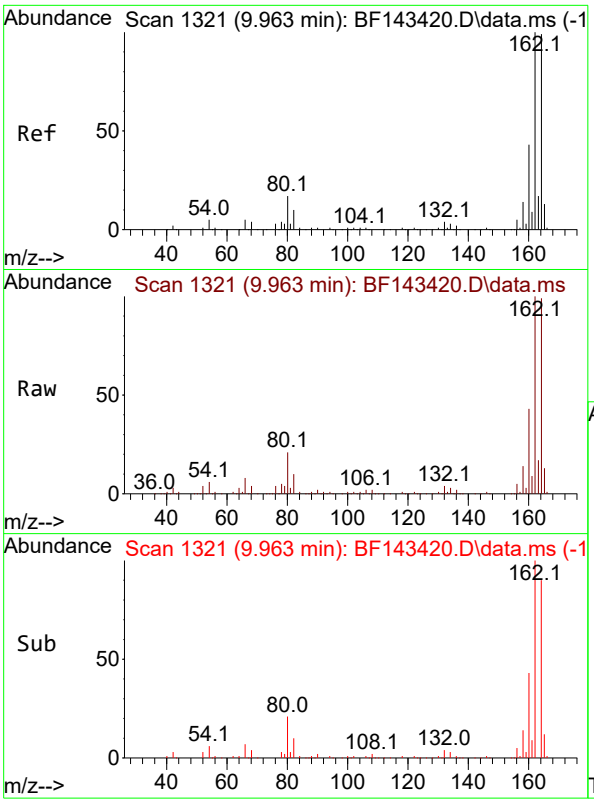


#38
1-Methylnaphthalene
Concen: 38.959 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:142 Resp: 604084

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.8	110.6



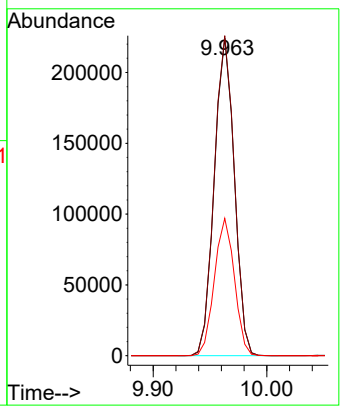


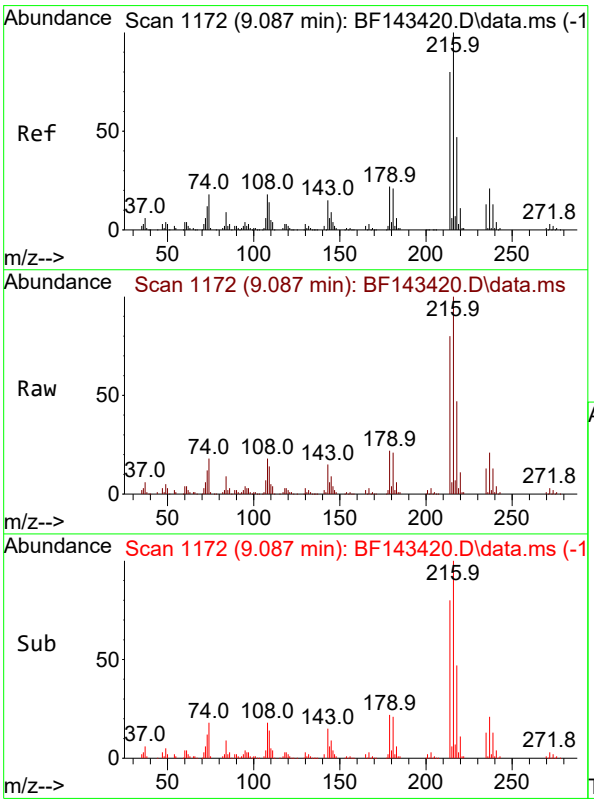
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 275083

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	43.2	34.6	51.8

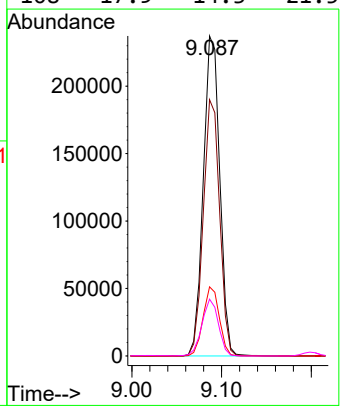


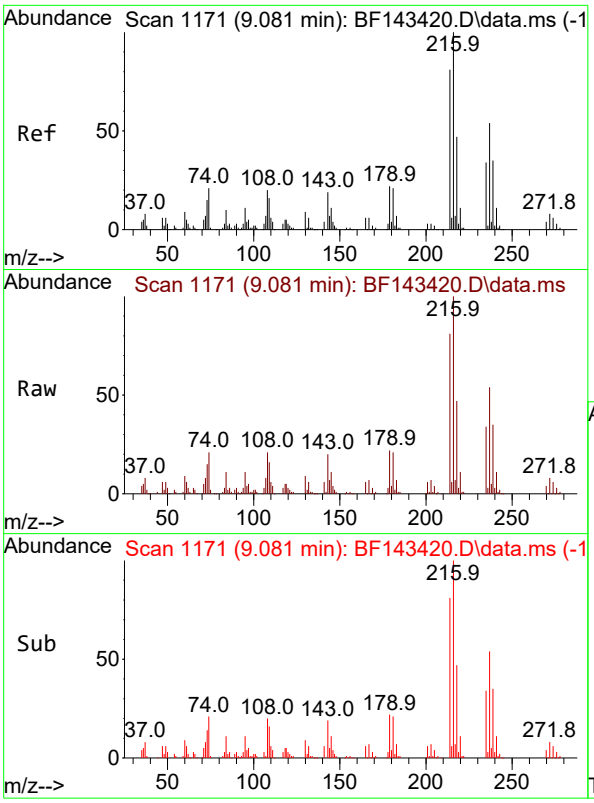


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.357 ng
RT: 9.087 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:216 Resp: 301932

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.7	95.5
179	21.2	17.0	25.4
108	17.9	14.3	21.5



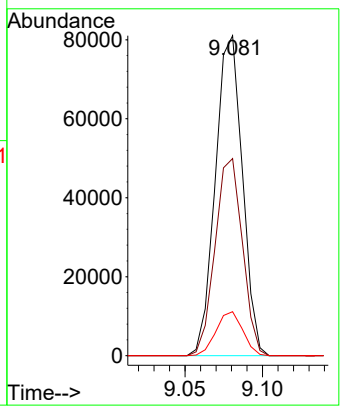


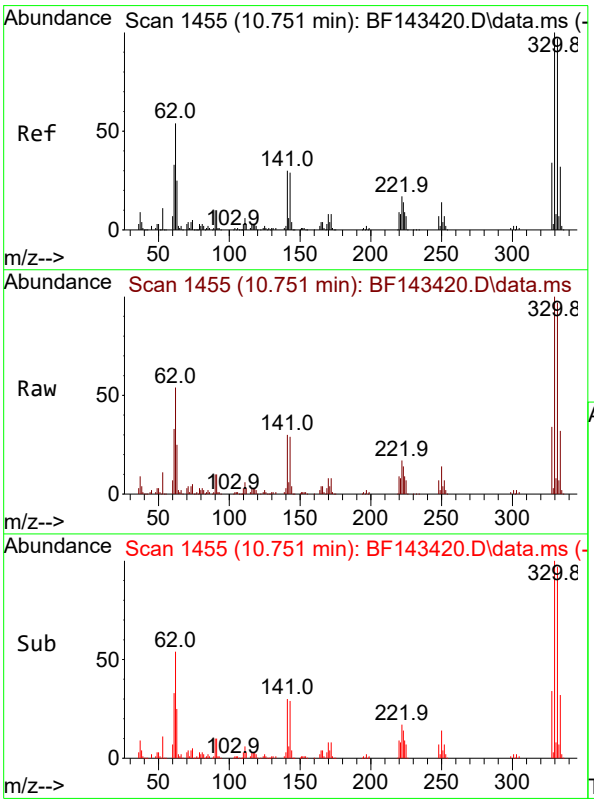
#41
Hexachlorocyclopentadiene
Concen: 38.885 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 98458

Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.6	81.6
272	13.8	0.0	33.8

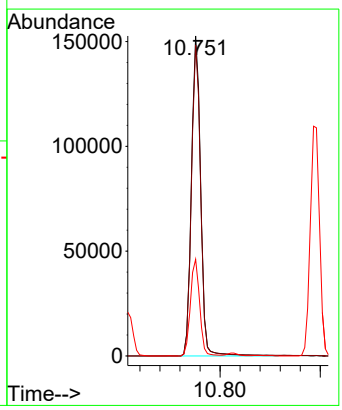


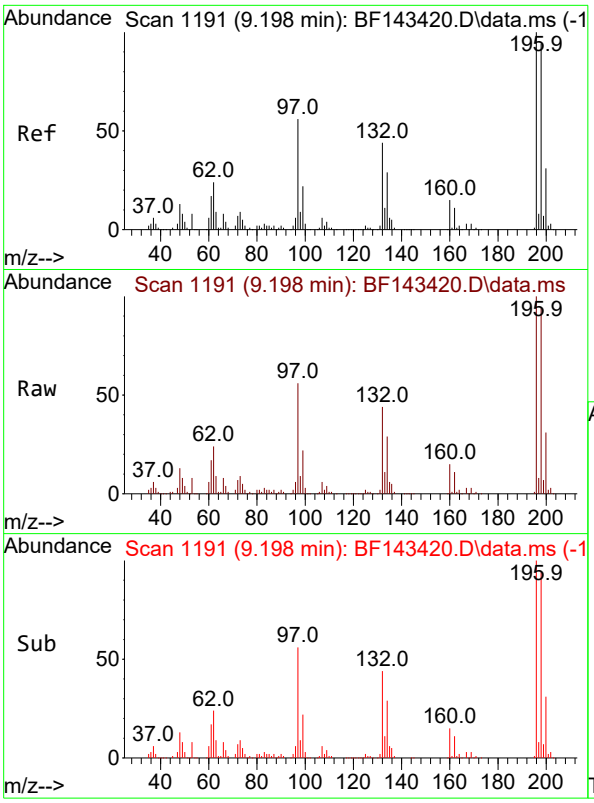


#42
2,4,6-Tribromophenol
Concen: 79.524 ng
RT: 10.751 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:330 Resp: 194710

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	30.1	24.1	36.1



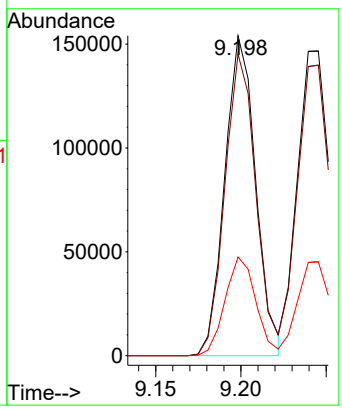


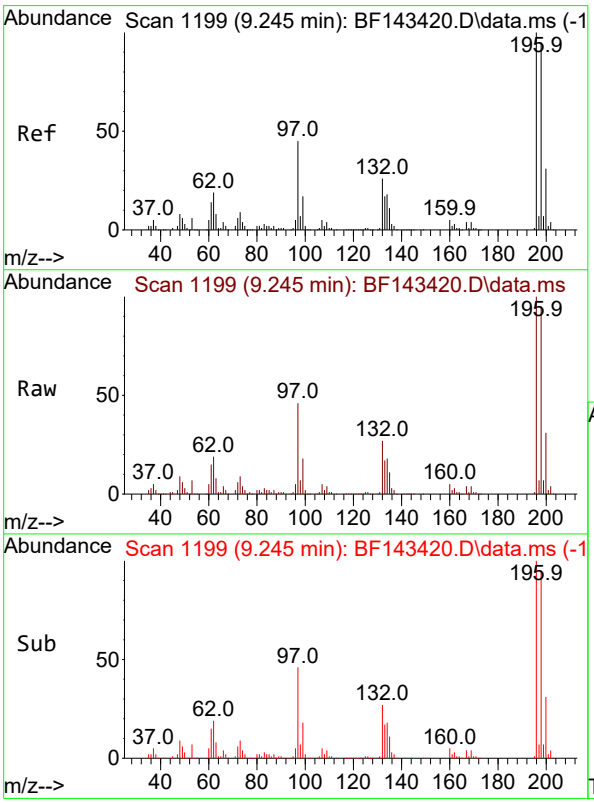
#43
2,4,6-Trichlorophenol
Concen: 40.635 ng
RT: 9.198 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 194463

Ion	Ratio	Lower	Upper
196	100		
198	94.3	75.4	113.2
200	30.9	24.7	37.1

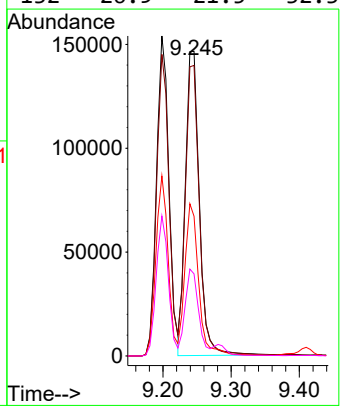


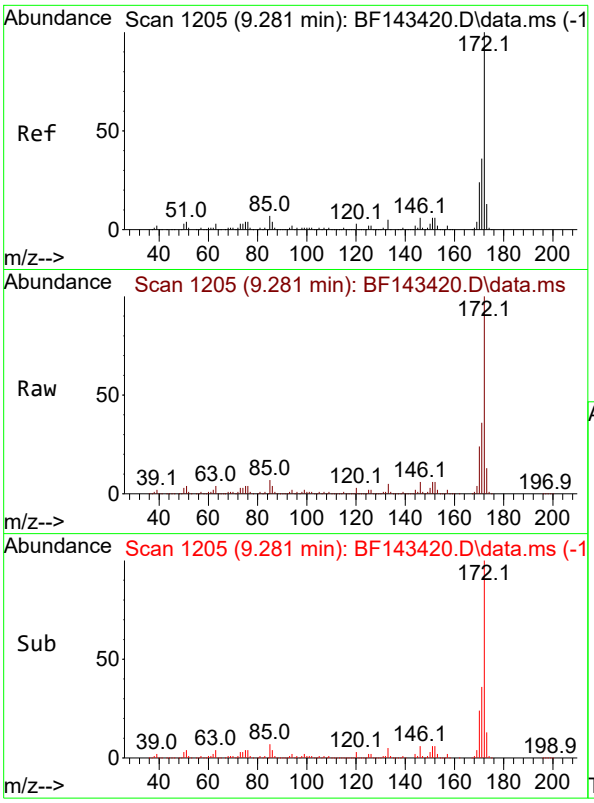


#44
2,4,5-Trichlorophenol
Concen: 40.546 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:196 Resp: 207994

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.2	114.4
97	45.8	36.6	55.0
132	26.9	21.5	32.3



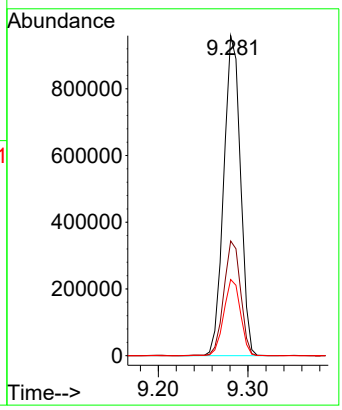


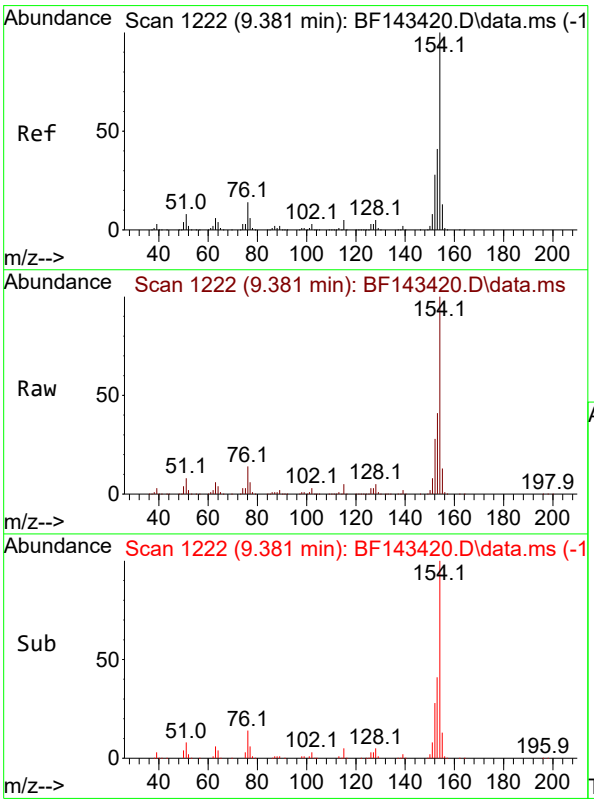
#45
2-Fluorobiphenyl
Concen: 76.137 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1245188

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	23.8	19.0	28.6

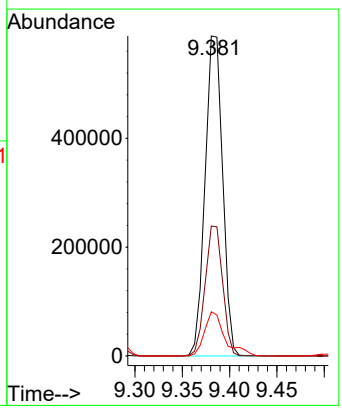


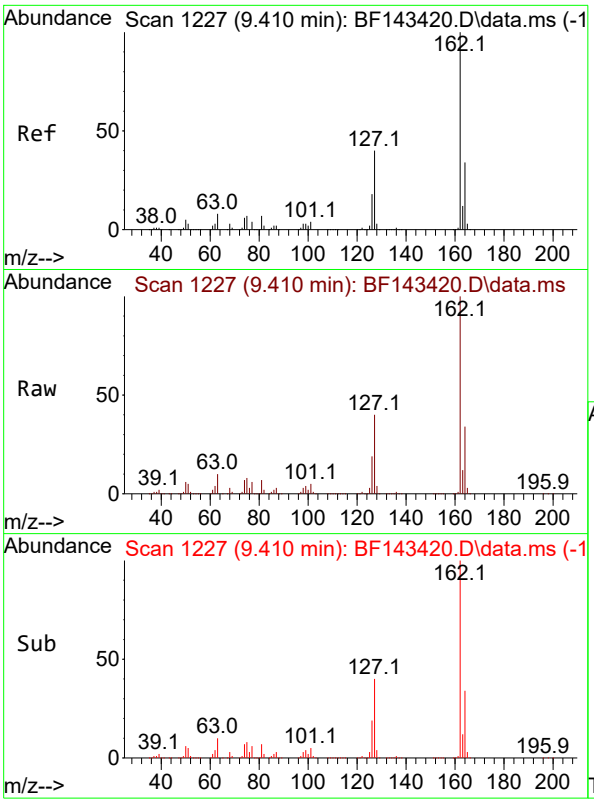


#46
1,1'-Biphenyl
Concen: 39.133 ng
RT: 9.381 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:154 Resp: 756357

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	13.8	0.0	33.8



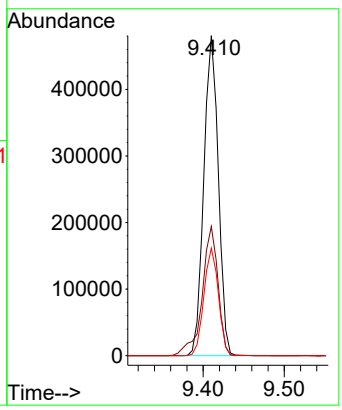


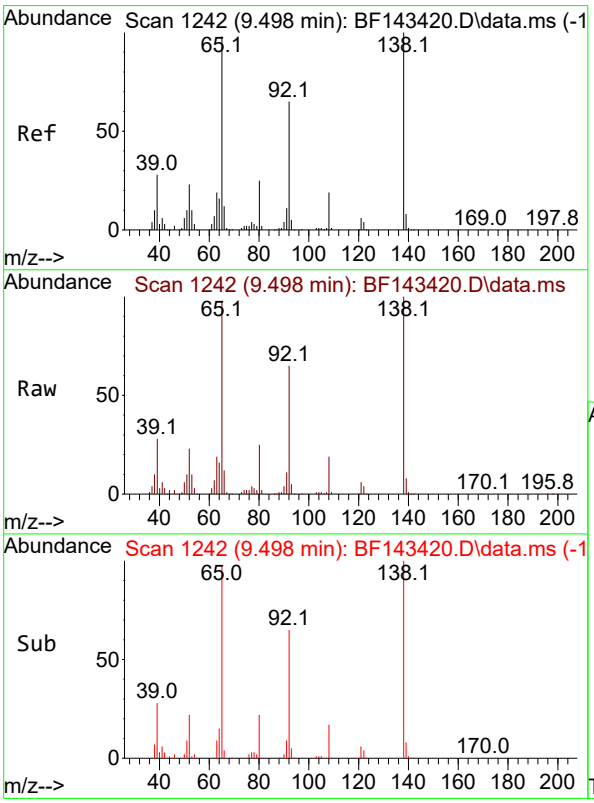
#47
2-Chloronaphthalene
Concen: 39.044 ng
RT: 9.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 595680

Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.3	48.5
164	33.6	26.9	40.3

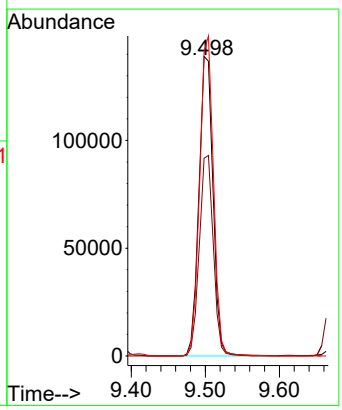


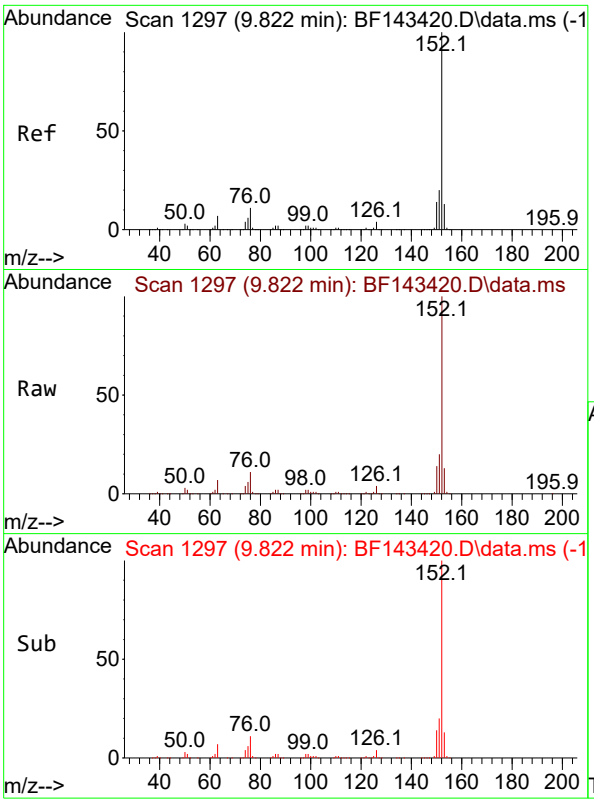


#48
2-Nitroaniline
Concen: 40.666 ng
RT: 9.498 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 65 Resp: 184632

Ion	Ratio	Lower	Upper
65	100		
92	66.1	52.9	79.3
138	101.6	81.3	121.9



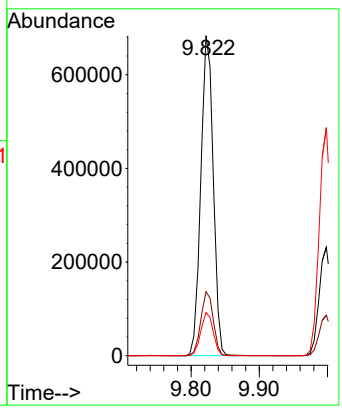


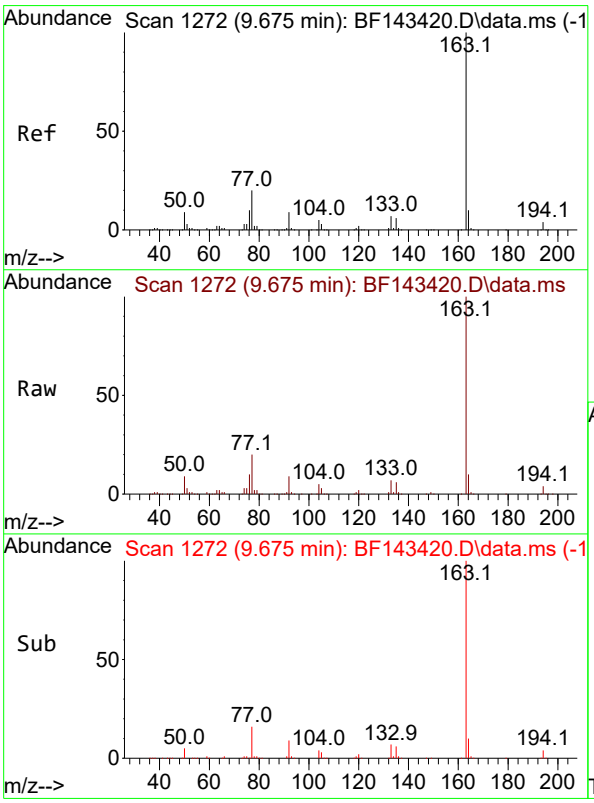
#49
Acenaphthylene
Concen: 39.280 ng
RT: 9.822 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 865258

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.5	10.8	16.2

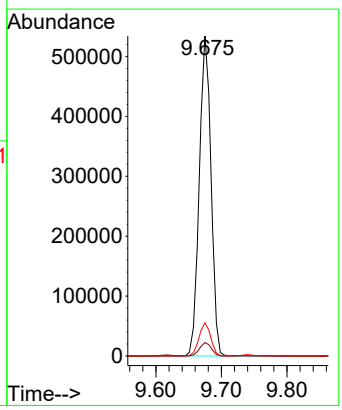


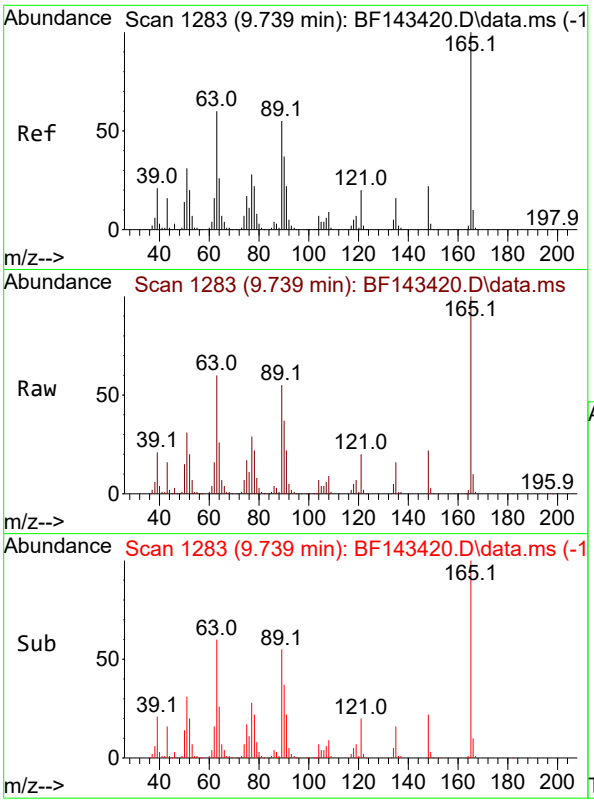


#50
Dimethylphthalate
Concen: 38.811 ng
RT: 9.675 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:163 Resp: 665610

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.3	8.2	12.4



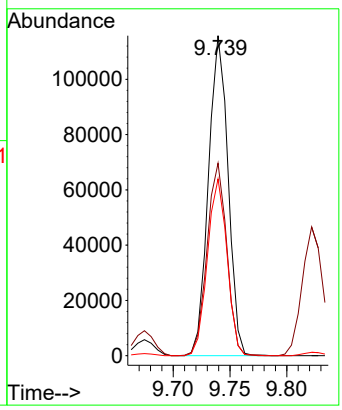


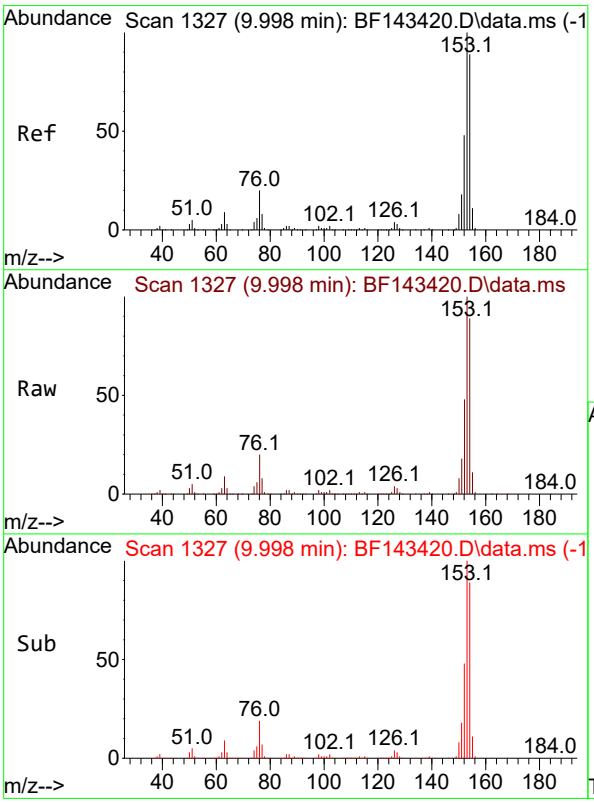
#51
2,6-Dinitrotoluene
Concen: 41.024 ng
RT: 9.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 138694

Ion	Ratio	Lower	Upper
165	100		
63	60.2	48.2	72.2
89	55.2	44.2	66.2

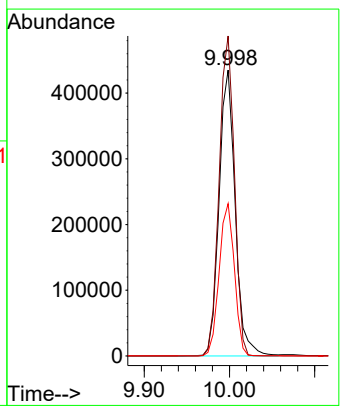


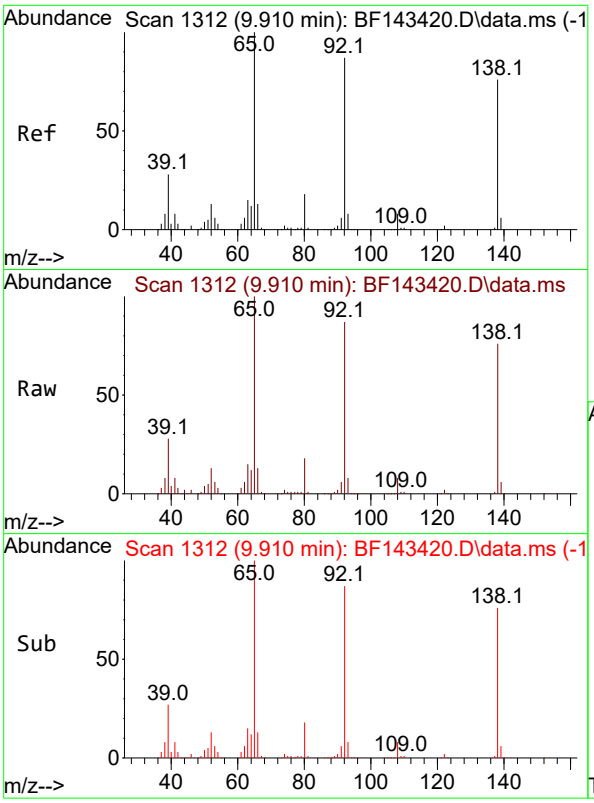


#52
Acenaphthene
Concen: 38.736 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:154 Resp: 573888

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.5	134.3
152	53.3	42.6	64.0



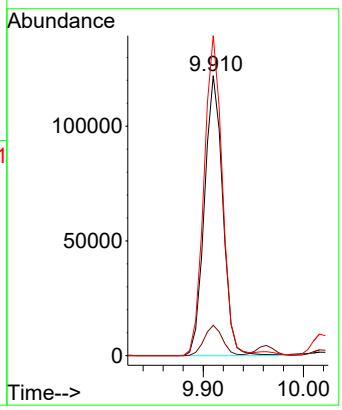


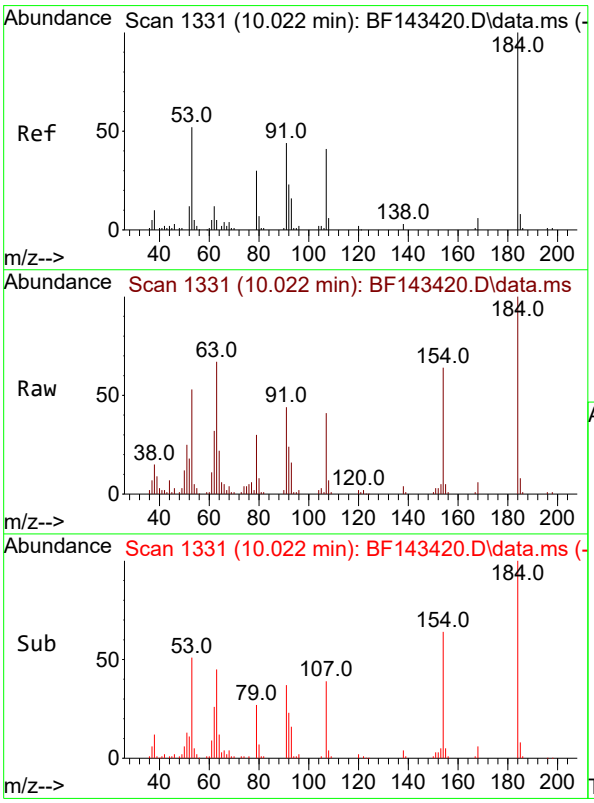
#53
3-Nitroaniline
Concen: 41.285 ng
RT: 9.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 155480

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.7	13.1
92	114.3	91.4	137.2

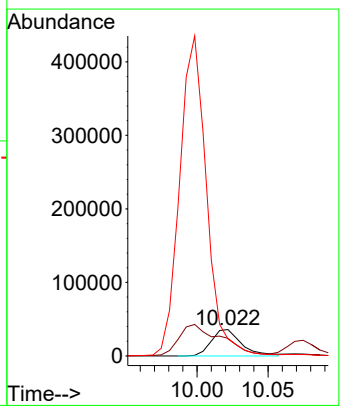


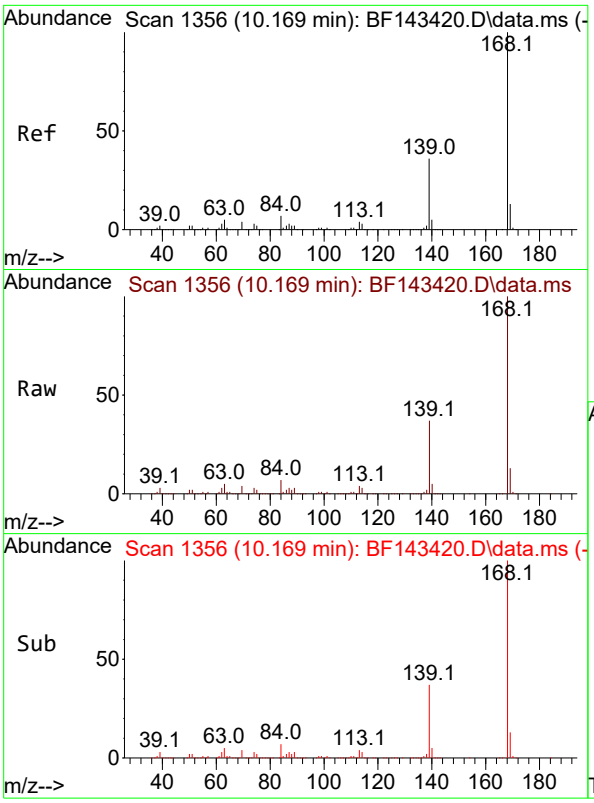


#54
2,4-Dinitrophenol
Concen: 37.023 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:184 Resp: 52940

Ion	Ratio	Lower	Upper
184	100		
63	66.5	53.2	79.8
154	64.1	51.3	76.9



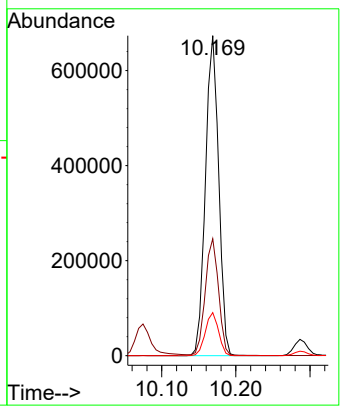


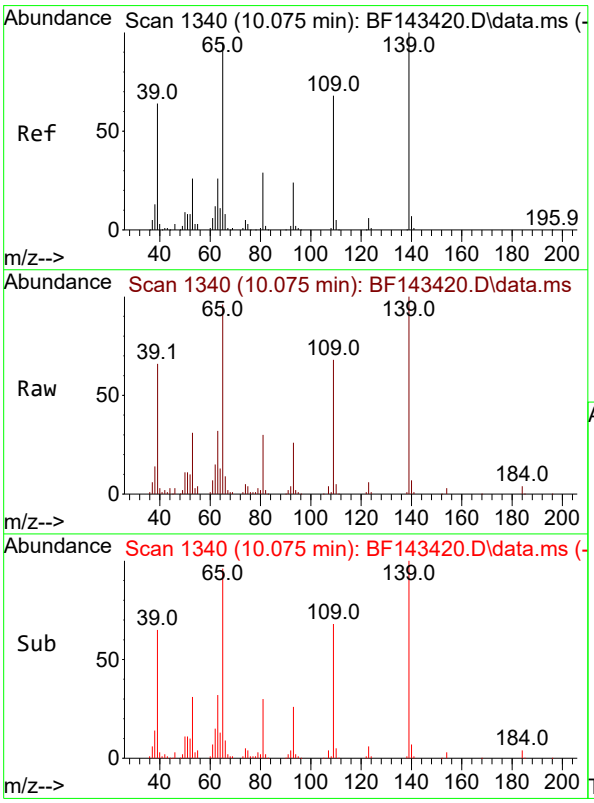
#55
Dibenzofuran
Concen: 39.027 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 834107

Ion	Ratio	Lower	Upper
168	100		
139	36.6	29.3	43.9
169	13.5	10.8	16.2

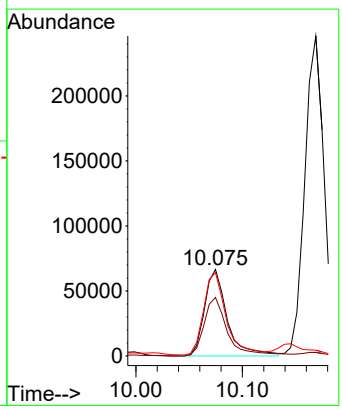


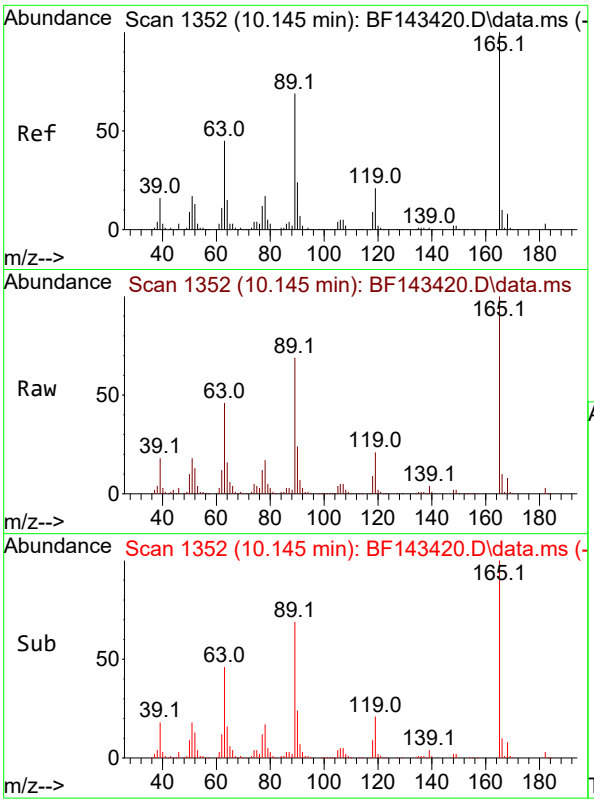


#56
4-Nitrophenol
Concen: 41.570 ng
RT: 10.075 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:139 Resp: 98425

Ion	Ratio	Lower	Upper
139	100		
109	67.7	47.7	87.7
65	96.4	76.4	116.4



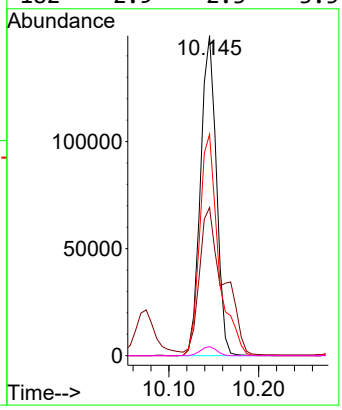


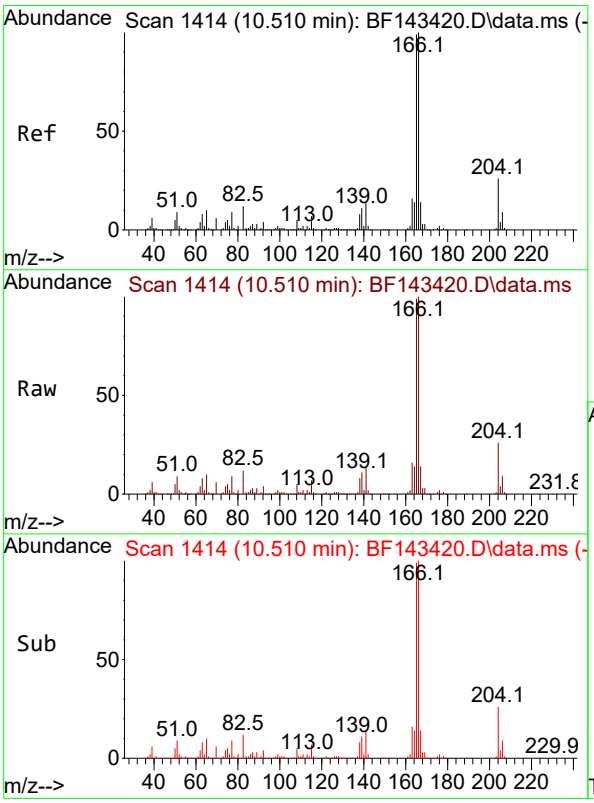
#57
2,4-Dinitrotoluene
Concen: 40.714 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 183519

Ion	Ratio	Lower	Upper
165	100		
63	46.3	37.0	55.6
89	69.2	55.4	83.0
182	2.9	2.3	3.5

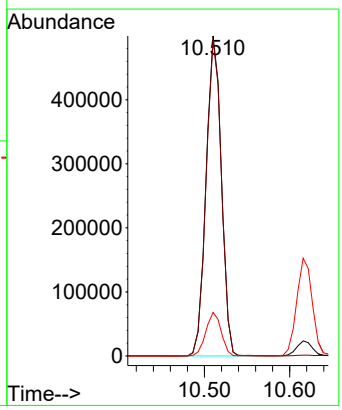


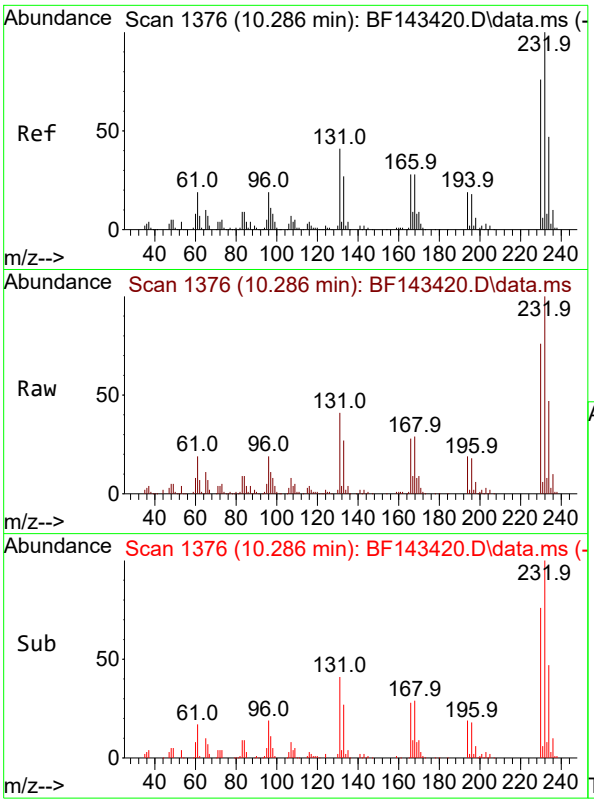


#58
Fluorene
Concen: 37.948 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:166 Resp: 623065

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.0	118.6
167	13.6	10.9	16.3



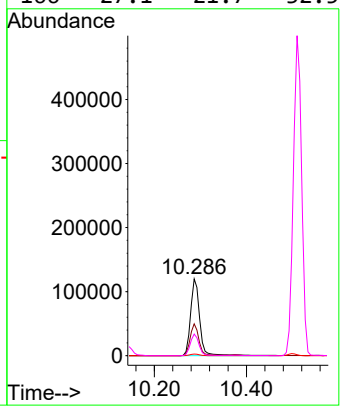


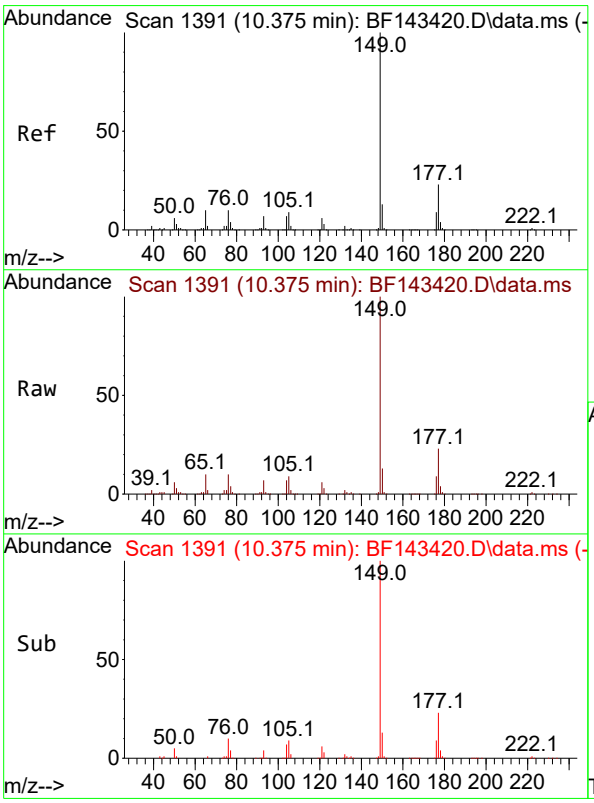
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.137 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 163623

Ion	Ratio	Lower	Upper
232	100		
131	40.0	32.0	48.0
130	2.1	1.7	2.5
166	27.1	21.7	32.5

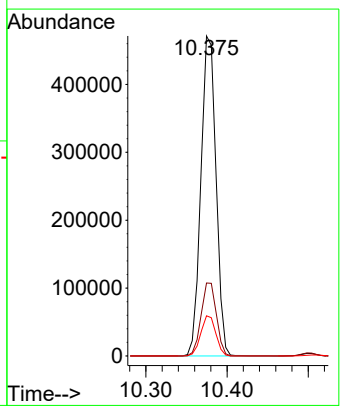


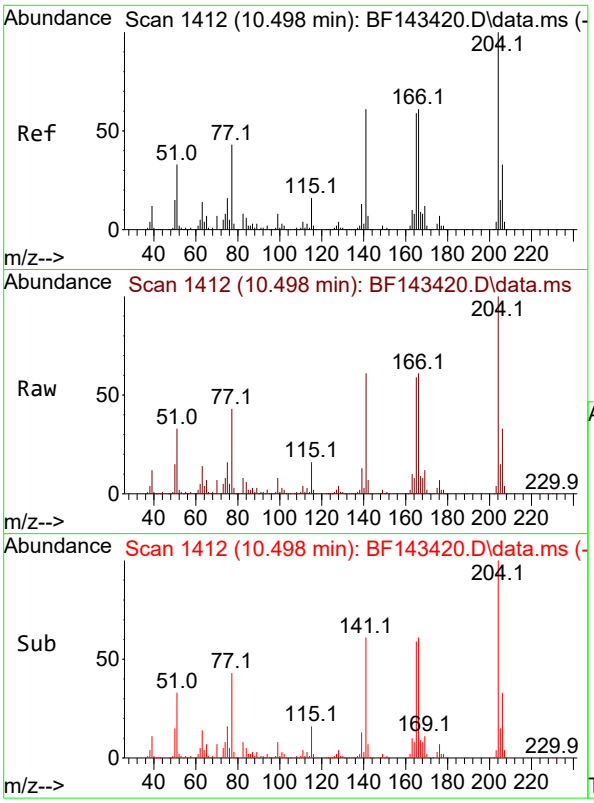


#60
Diethylphthalate
Concen: 38.477 ng
RT: 10.375 min Scan# 1391
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:149 Resp: 609804

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.2	27.4
150	12.6	10.1	15.1



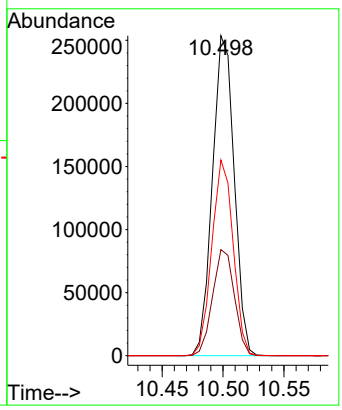


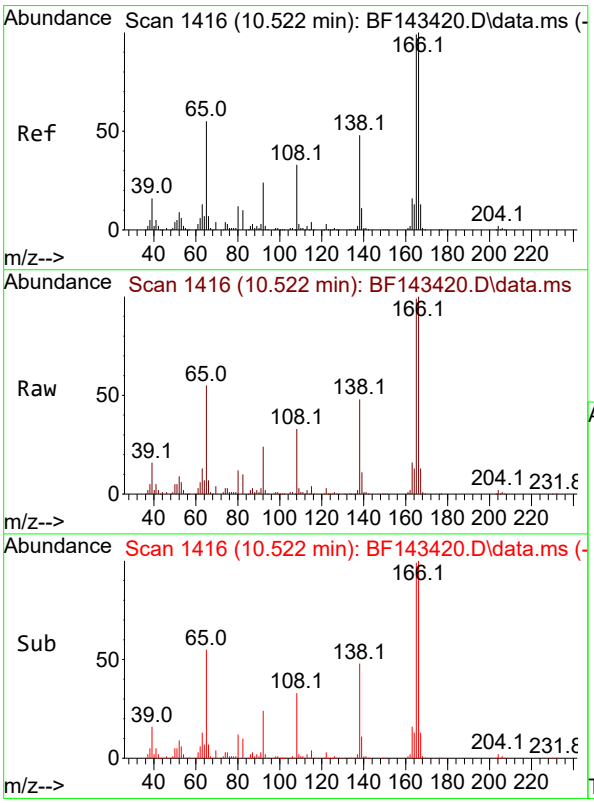
#61
4-Chlorophenyl-phenylether
Concen: 38.911 ng
RT: 10.498 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 315863

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	61.2	49.0	73.4

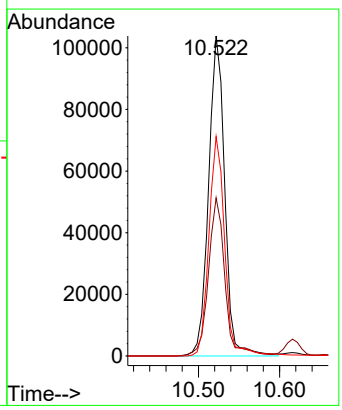


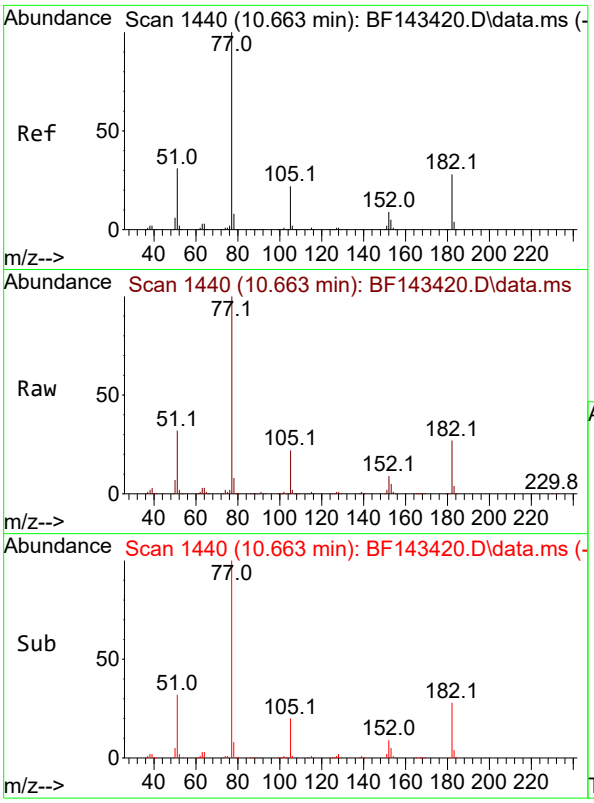


#62
4-Nitroaniline
Concen: 40.695 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:138 Resp: 143326

Ion	Ratio	Lower	Upper
138	100		
92	49.4	29.4	69.4
108	68.6	48.6	88.6



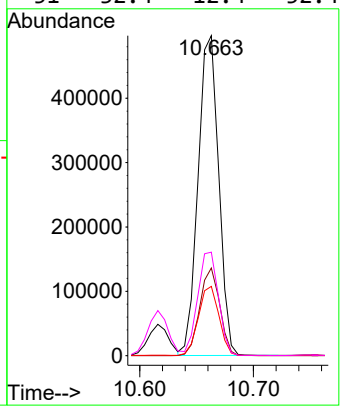


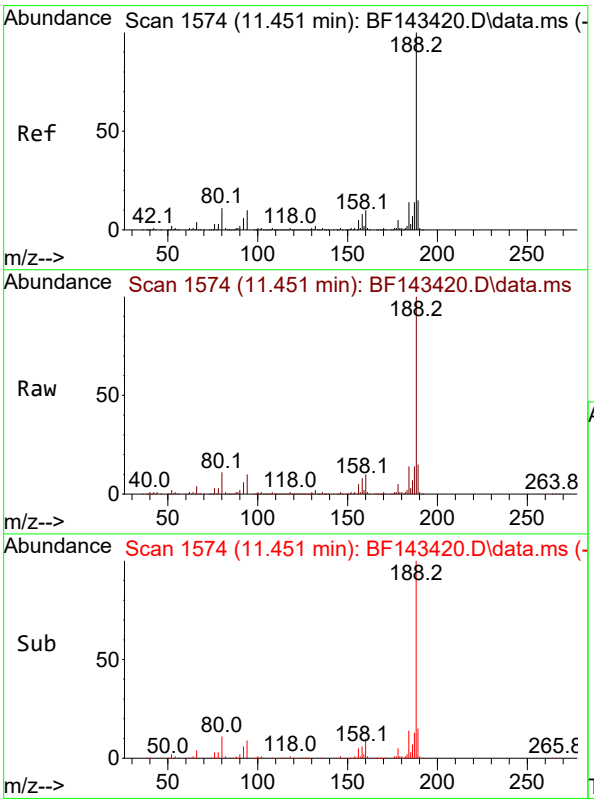
#63
Azobenzene
Concen: 39.038 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 625307

Ion	Ratio	Lower	Upper
77	100		
182	27.4	7.4	47.4
105	21.7	1.7	41.7
51	32.4	12.4	52.4

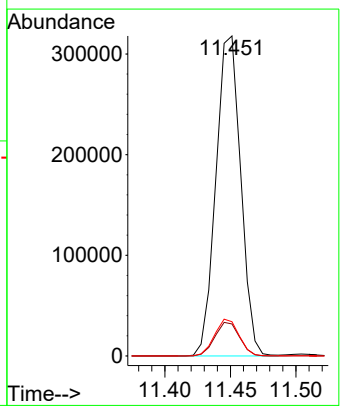


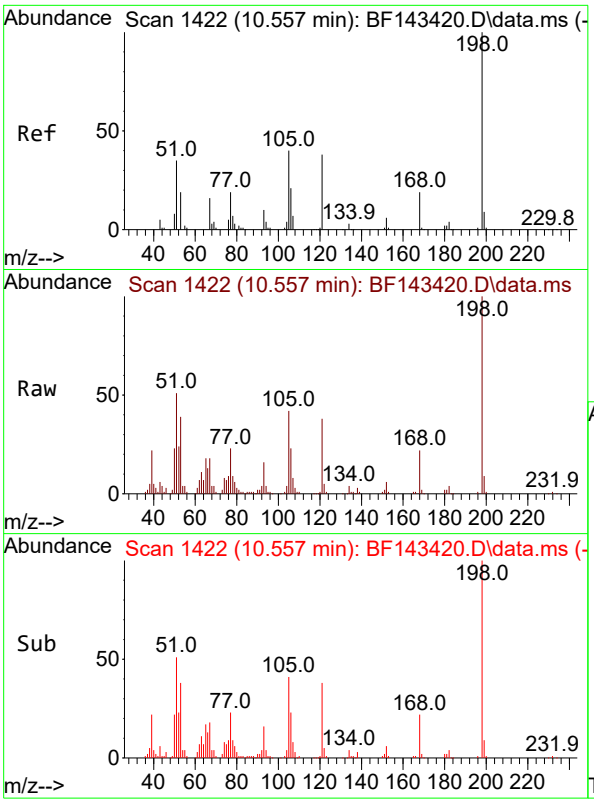


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:188 Resp: 418439

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.7	8.6	12.8



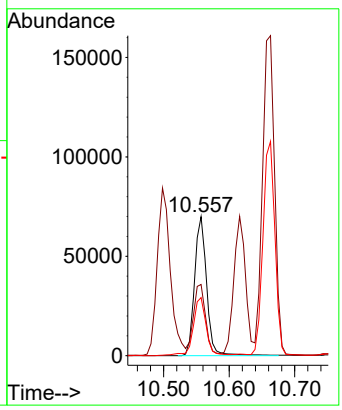


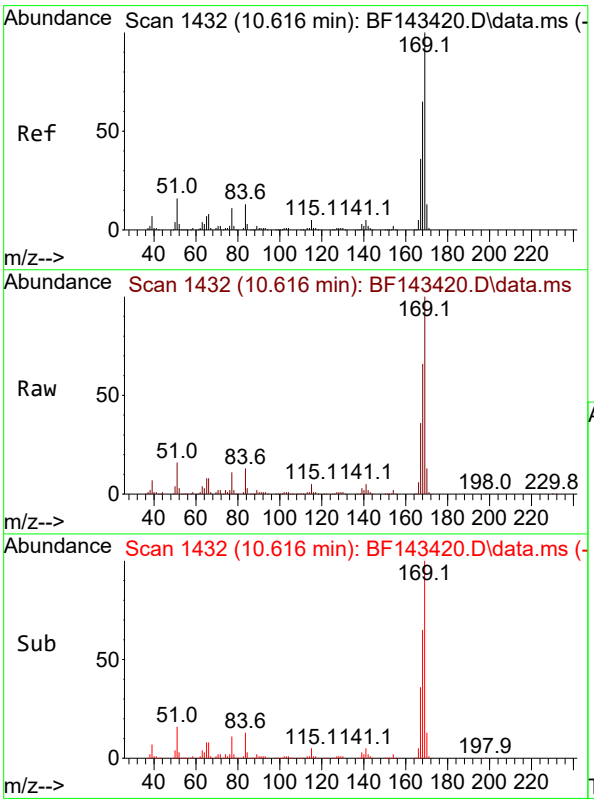
#65
4,6-Dinitro-2-methylphenol
Concen: 41.565 ng
RT: 10.557 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 89738

Ion	Ratio	Lower	Upper
198	100		
51	51.2	31.2	71.2
105	41.7	21.7	61.7

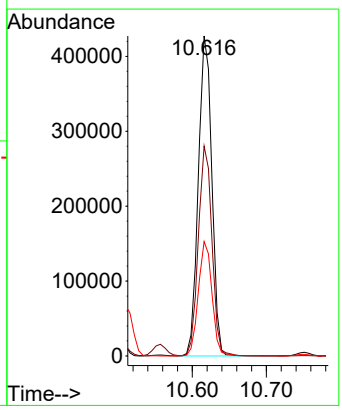


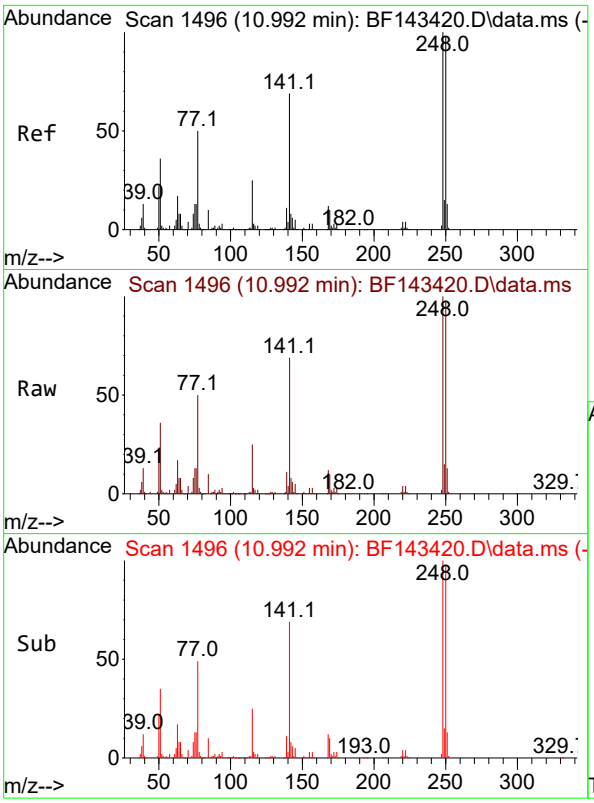


#66
n-Nitrosodiphenylamine
Concen: 39.686 ng
RT: 10.616 min Scan# 1432
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:169 Resp: 539955

Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.5	78.7
167	35.7	28.6	42.8



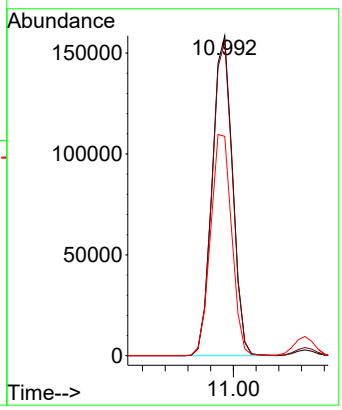


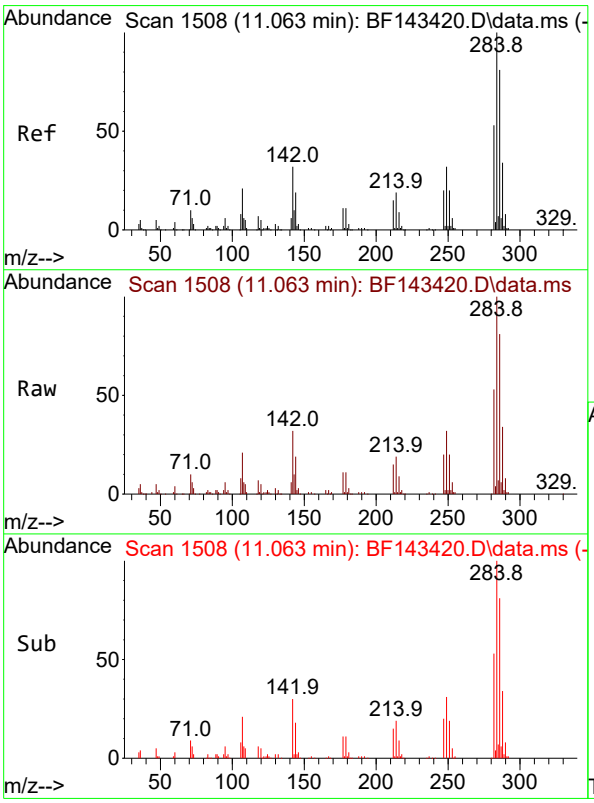
#67
4-Bromophenyl-phenylether
Concen: 39.946 ng
RT: 10.992 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 197382

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.6	118.0
141	68.6	54.9	82.3

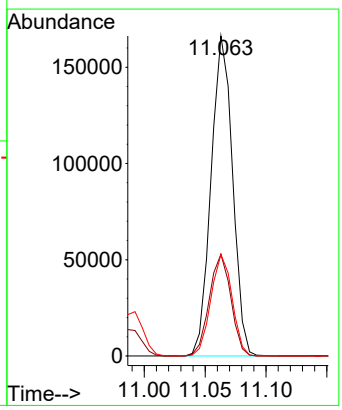


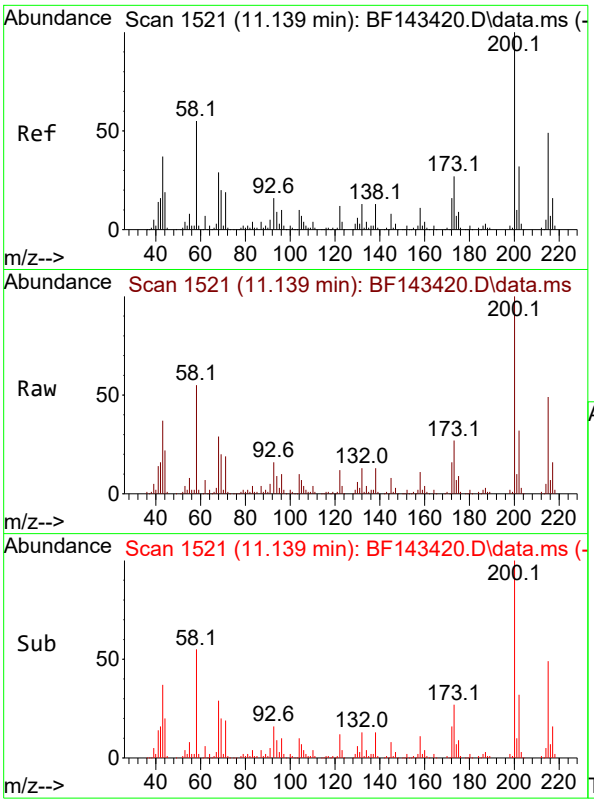


#68
Hexachlorobenzene
Concen: 38.899 ng
RT: 11.063 min Scan# 1508
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:284 Resp: 204335

Ion	Ratio	Lower	Upper
284	100		
142	31.8	25.4	38.2
249	31.7	25.4	38.0



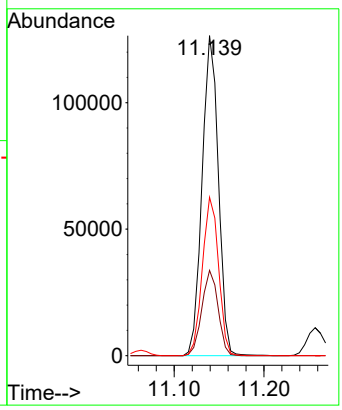


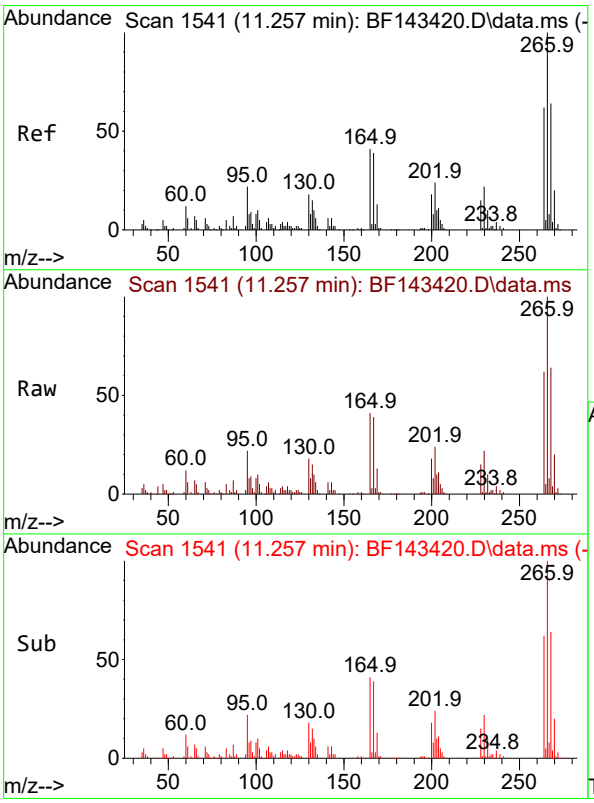
#69
Atrazine
Concen: 39.987 ng
RT: 11.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 159131

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.6	46.6
215	49.5	29.5	69.5

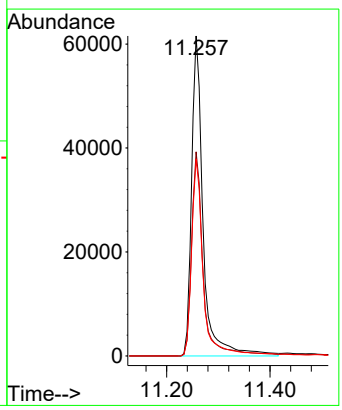


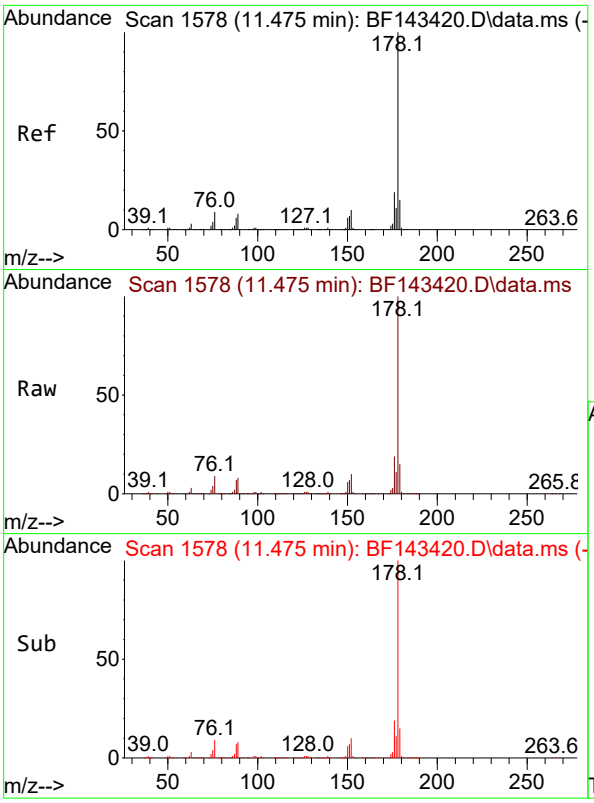


#70
Pentachlorophenol
Concen: 40.967 ng
RT: 11.257 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:266 Resp: 95543

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	61.6	49.3	73.9



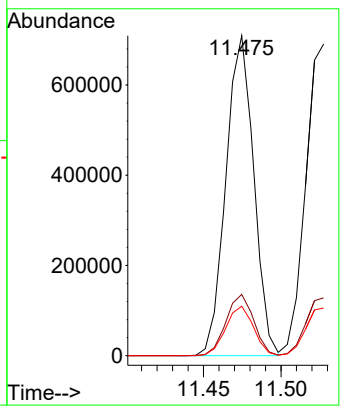


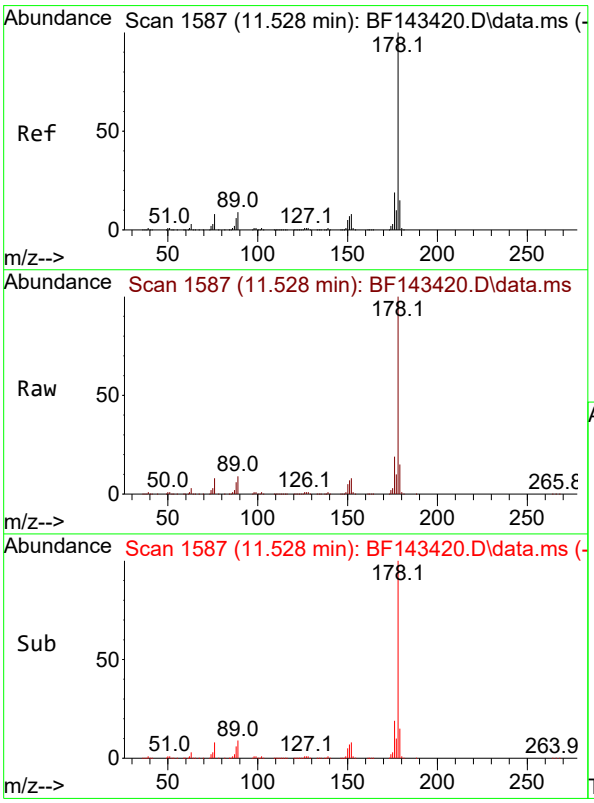
#71
Phenanthrene
Concen: 39.146 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 887025

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.4	12.3	18.5

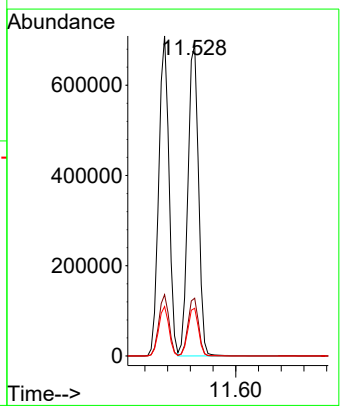


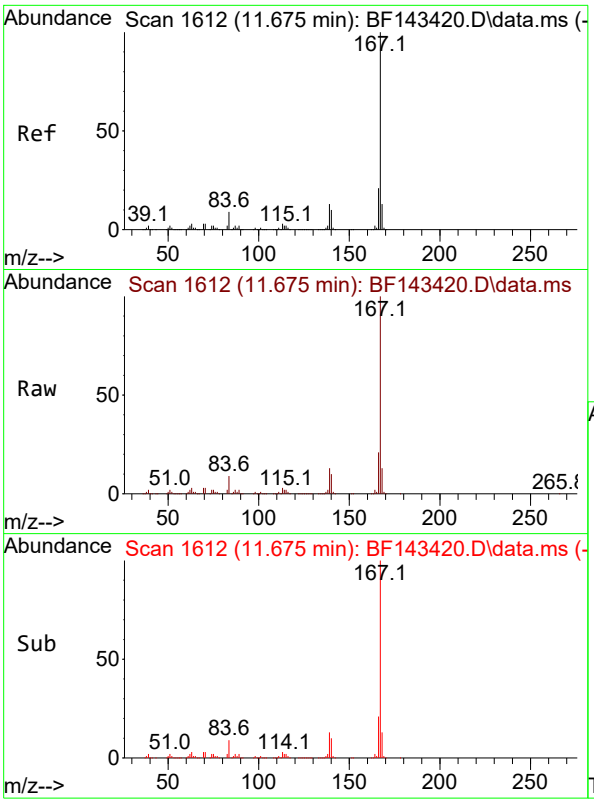


#72
Anthracene
Concen: 38.933 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:178 Resp: 891035

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.2	18.4



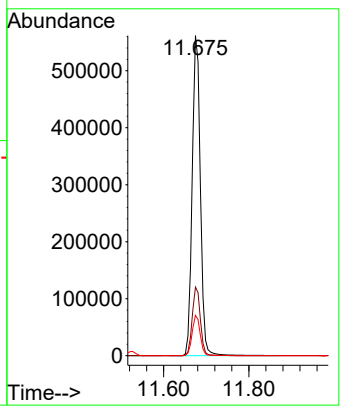


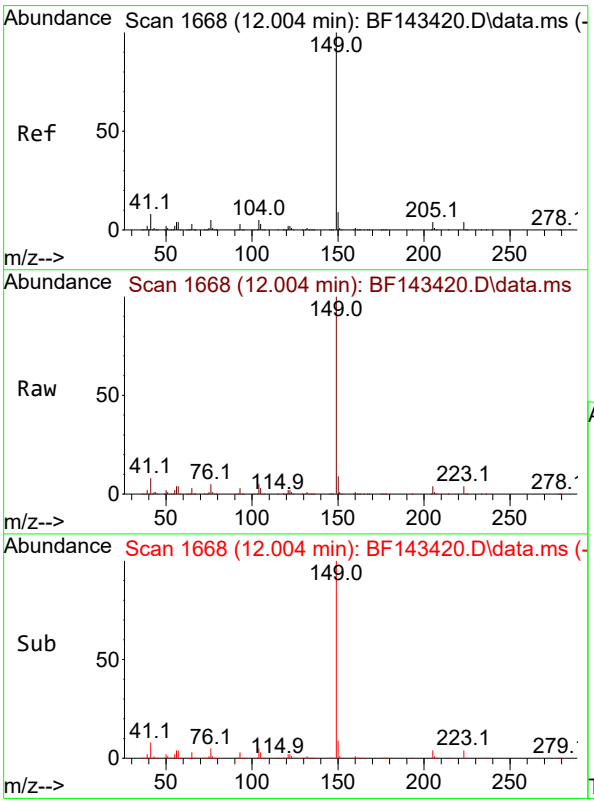
#73
Carbazole
Concen: 38.687 ng
RT: 11.675 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 748842

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.6	10.1	15.1

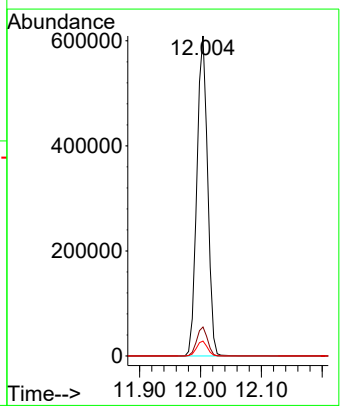


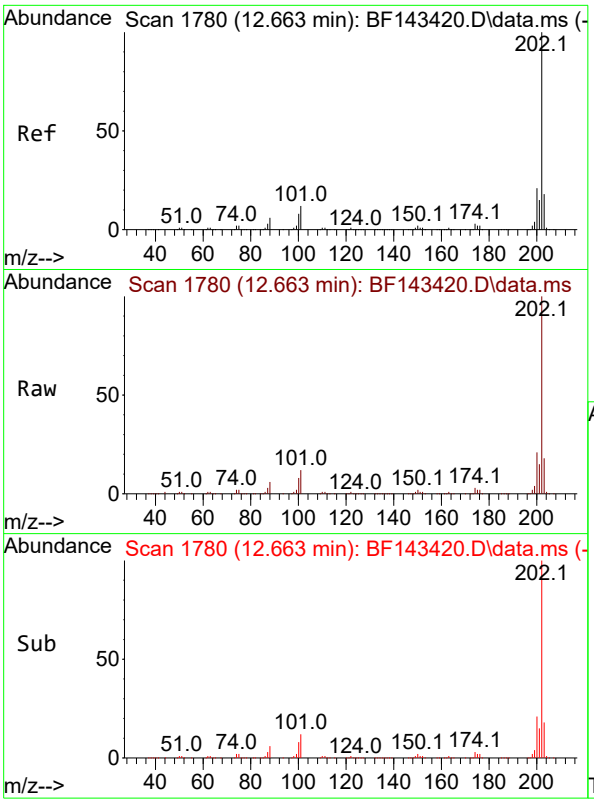


#74
Di-n-butylphthalate
Concen: 38.710 ng
RT: 12.004 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:149 Resp: 746153

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.7	3.8	5.6



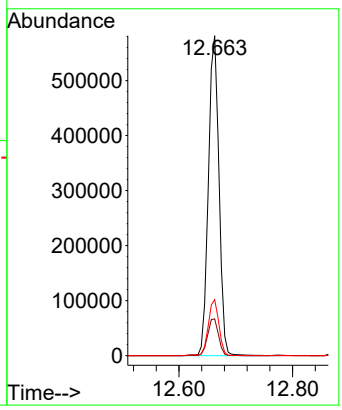


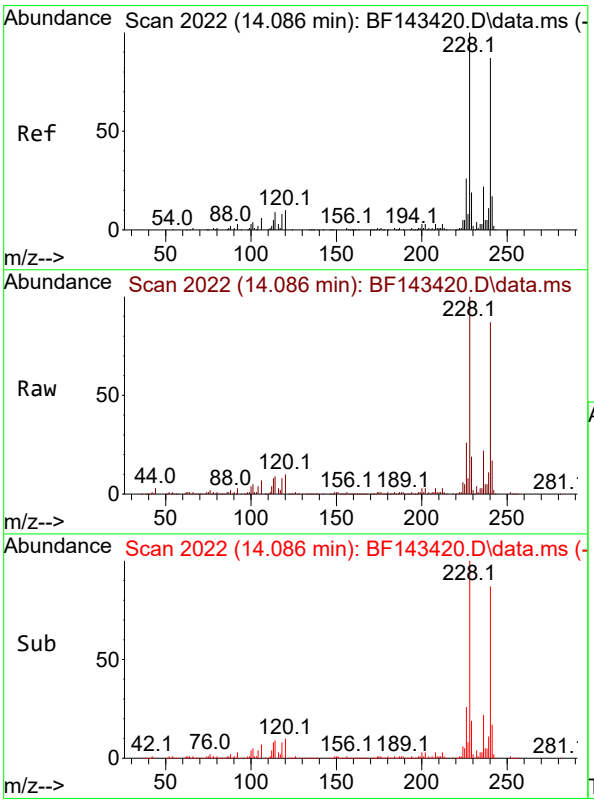
#75
Fluoranthene
Concen: 37.119 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 747356

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.5
203	17.5	0.0	37.5

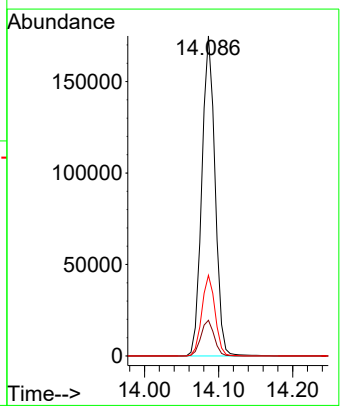


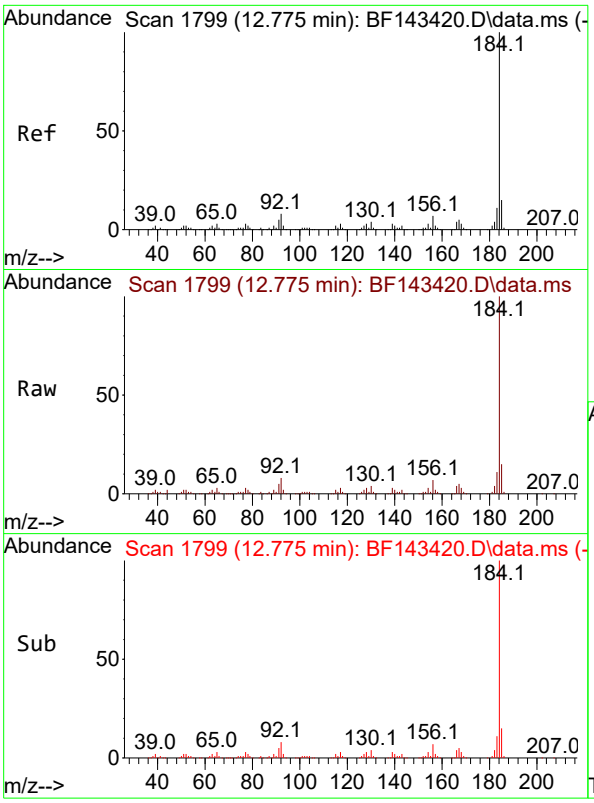


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:240 Resp: 217298

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.4
236	25.2	20.2	30.2



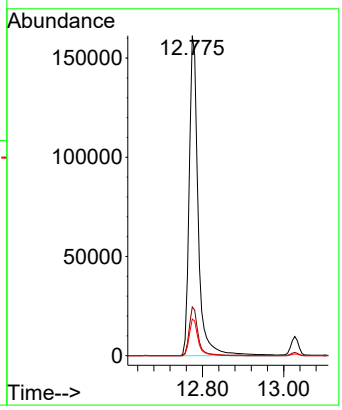


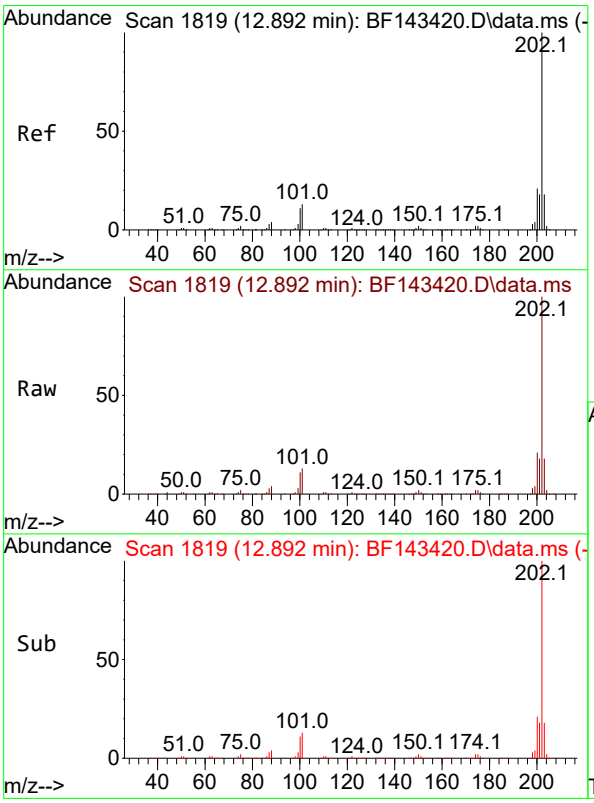
#77
Benzidine
Concen: 40.043 ng
RT: 12.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 246322

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.2	18.2
183	11.5	9.2	13.8

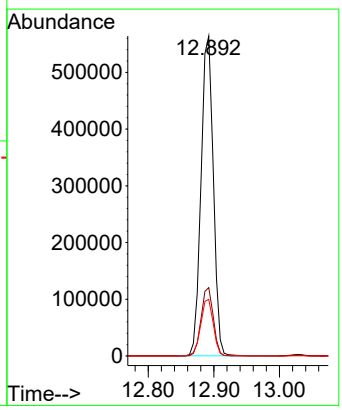


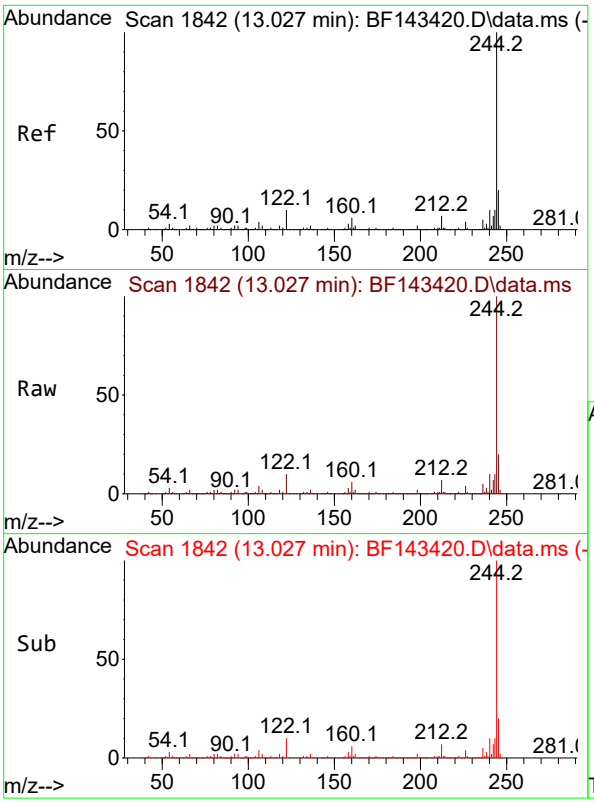


#78
Pyrene
Concen: 39.060 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:202 Resp: 737731

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.7	14.2	21.2



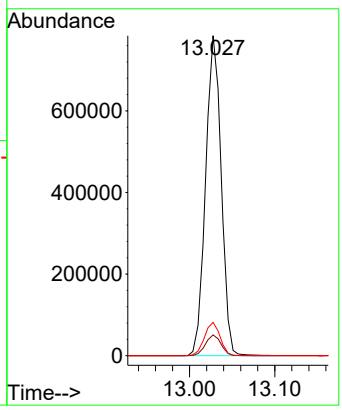


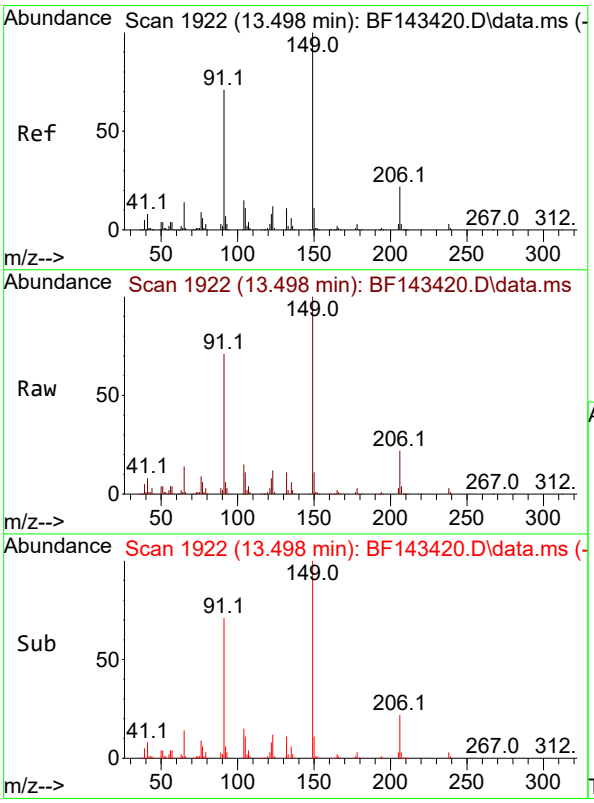
#79
Terphenyl-d14
Concen: 77.055 ng
RT: 13.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 996745

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.4	8.3	12.5

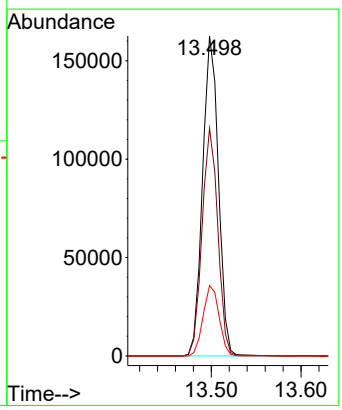


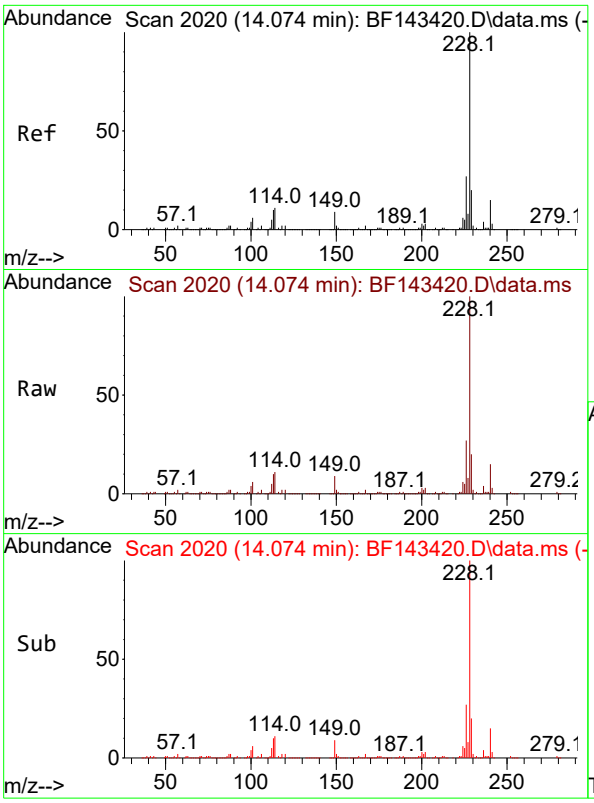


#80
Butylbenzylphthalate
Concen: 42.604 ng
RT: 13.498 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:149 Resp: 199307

Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.0	85.4
206	22.0	17.6	26.4



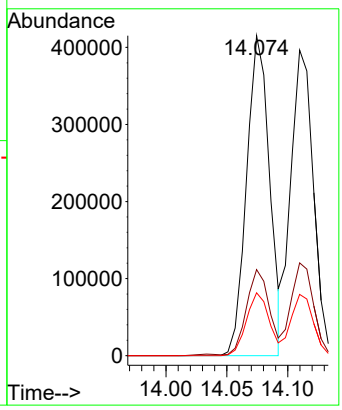


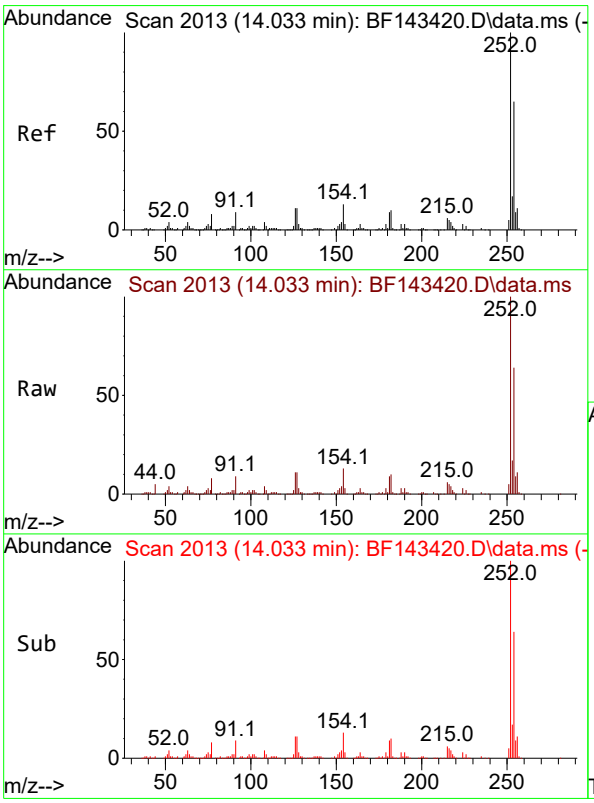
#81
Benzo(a)anthracene
Concen: 39.407 ng
RT: 14.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 545178

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.6	15.7	23.5

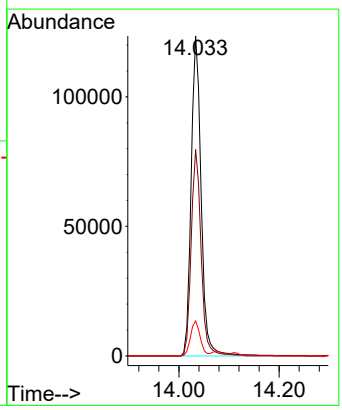


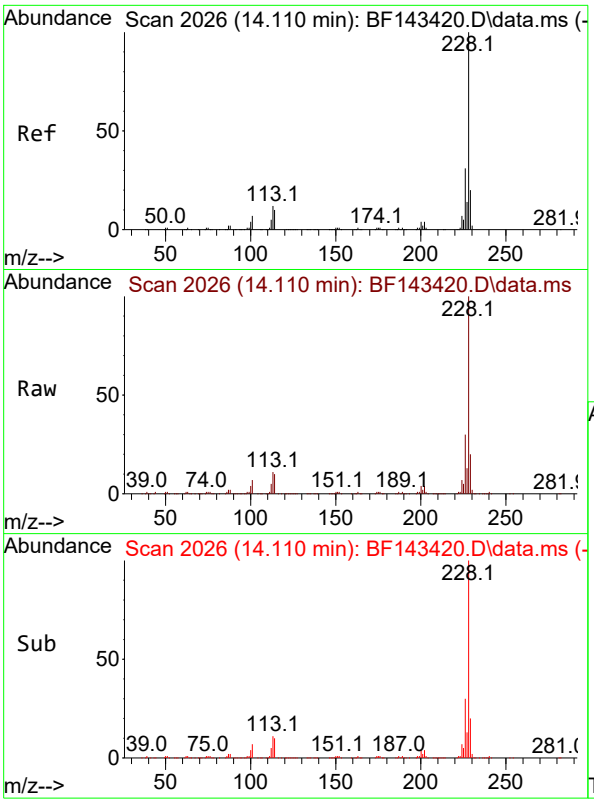


#82
3,3'-Dichlorobenzidine
Concen: 42.205 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:252 Resp: 170953

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.6	77.4
126	11.0	8.8	13.2



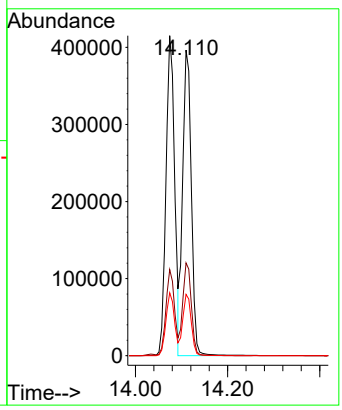


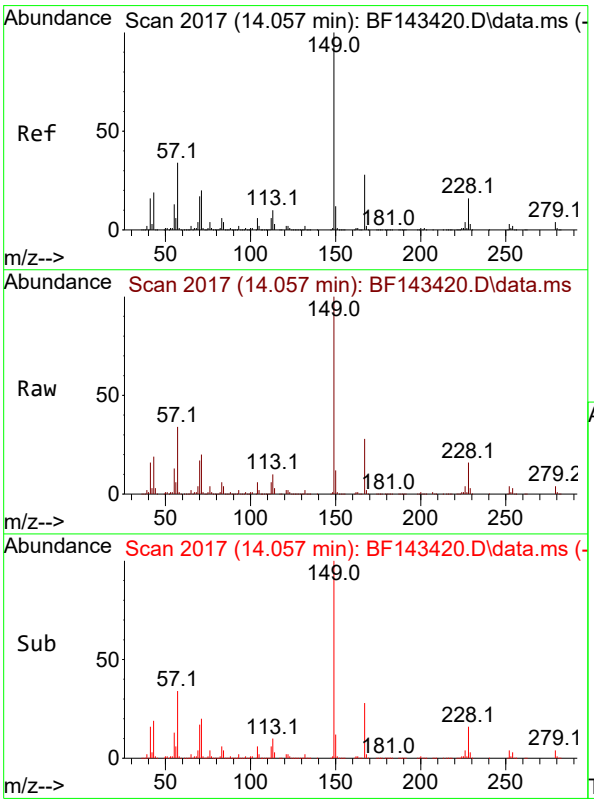
#83
Chrysene
Concen: 40.562 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 518778

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	20.1	16.1	24.1

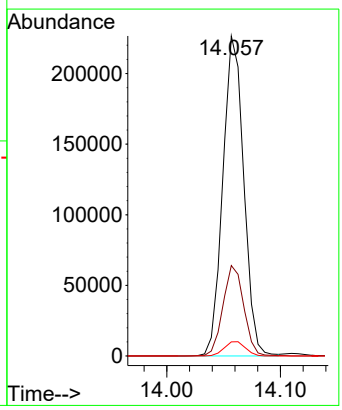


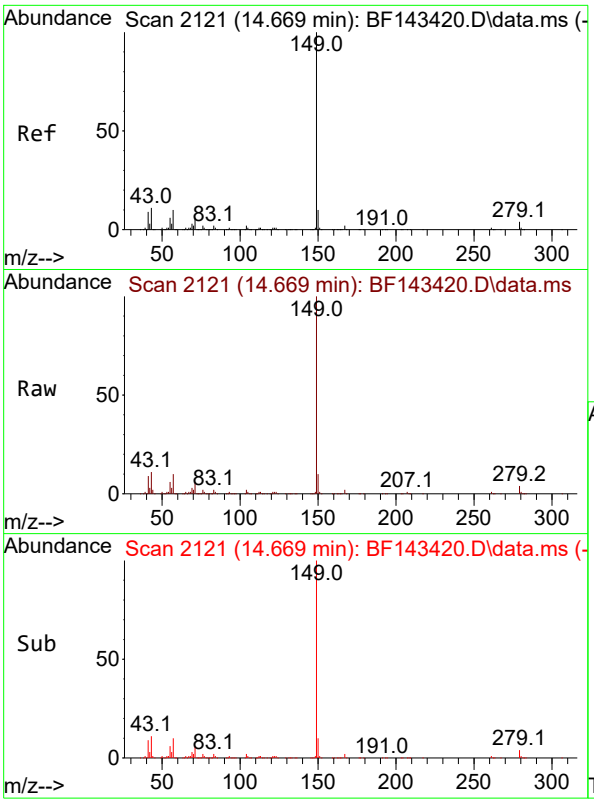


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.719 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:149 Resp: 290451

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.6	33.8
279	4.4	3.5	5.3



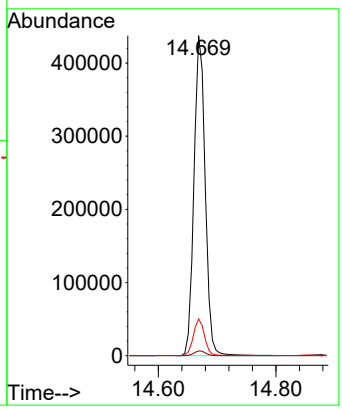


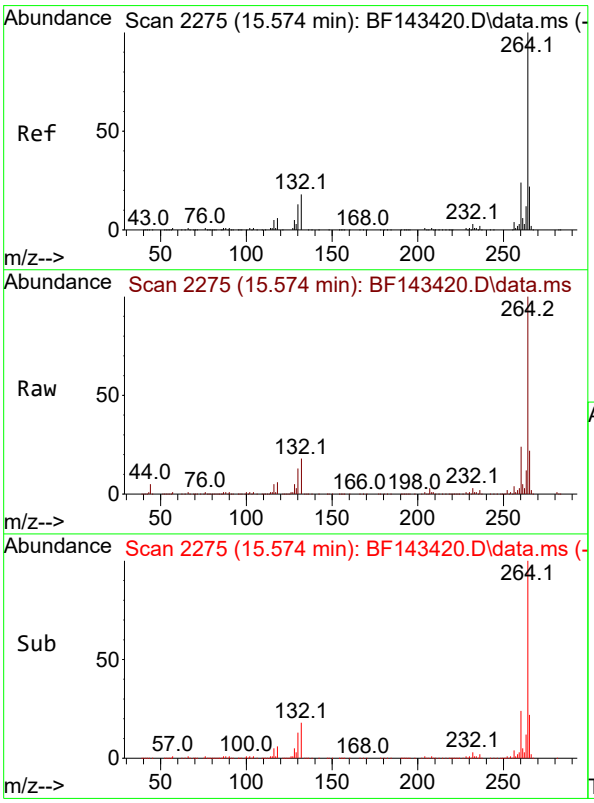
#85
Di-n-octyl phthalate
Concen: 42.897 ng
RT: 14.669 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 578031

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.3	9.0	13.6

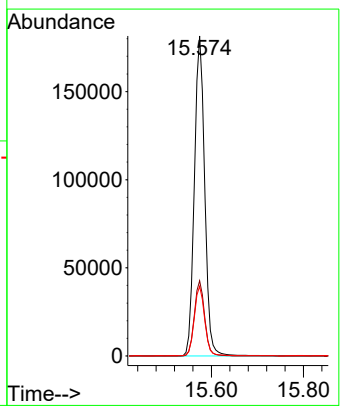


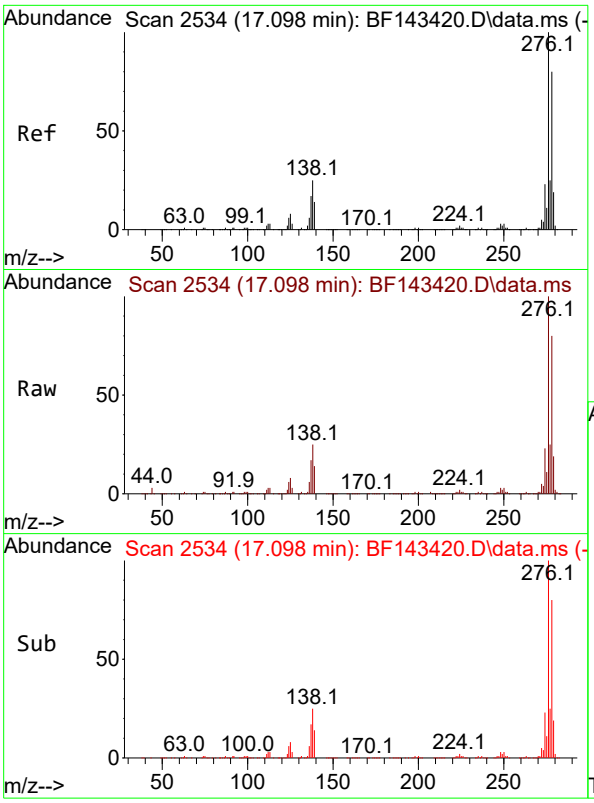


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:264 Resp: 282413

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.7	17.4	26.0



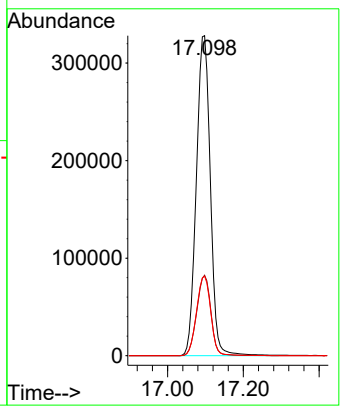


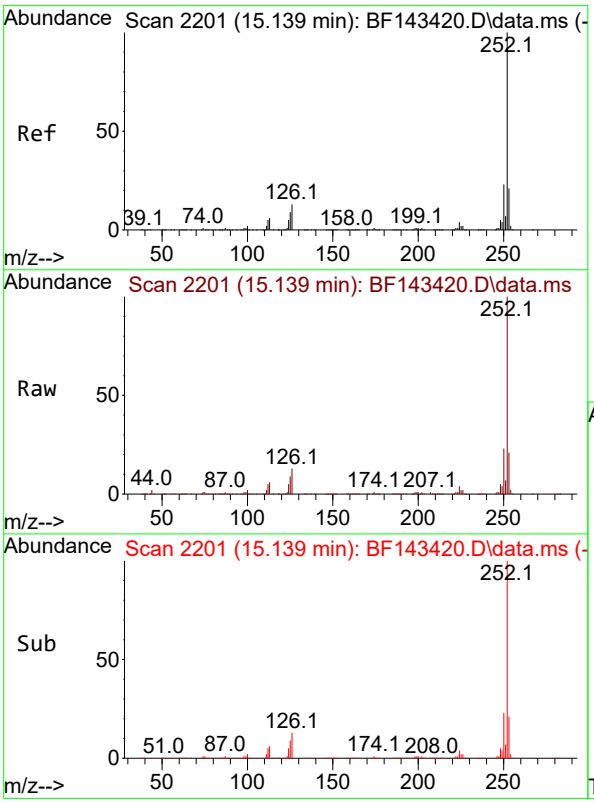
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.863 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 844235

Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.2	30.4
277	25.2	20.2	30.2

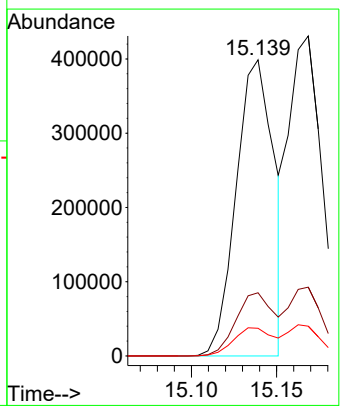


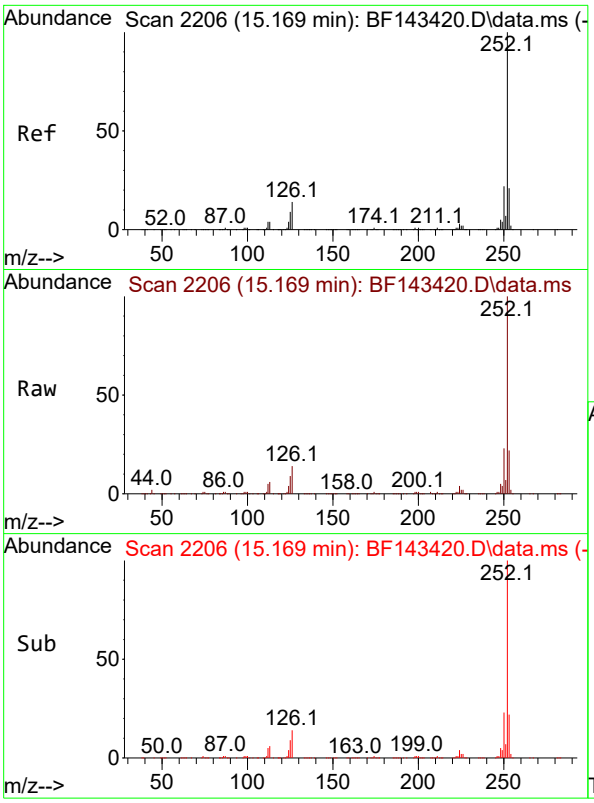


#88
Benzo(b)fluoranthene
Concen: 40.661 ng
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:252 Resp: 615448

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	9.4	7.5	11.3



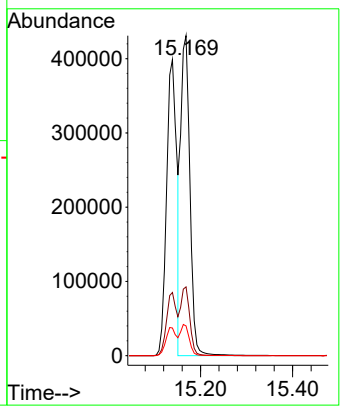


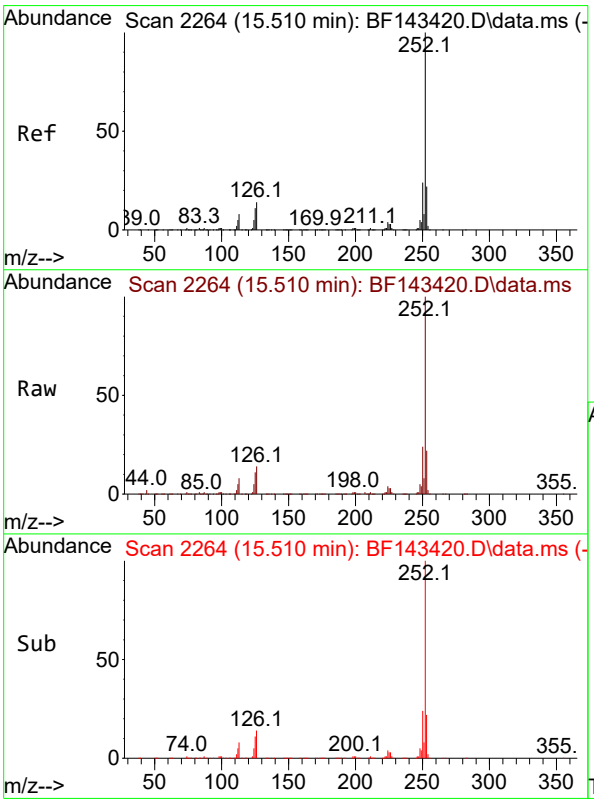
#89
Benzo(k)fluoranthene
Concen: 39.820 ng
RT: 15.169 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 594473

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	9.3	7.4	11.2

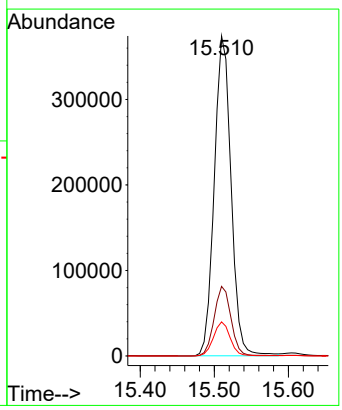


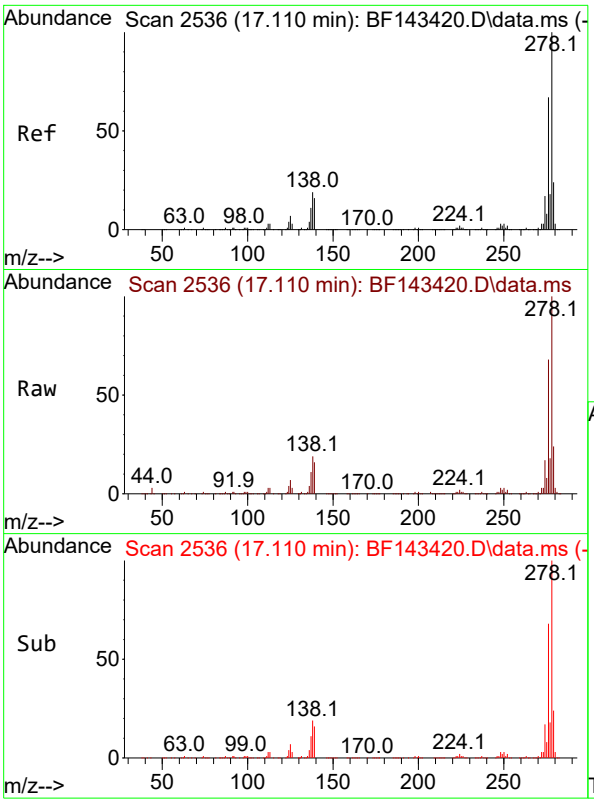


#90
Benzo(a)pyrene
Concen: 40.866 ng
RT: 15.510 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:252 Resp: 589150

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.7	8.6	12.8



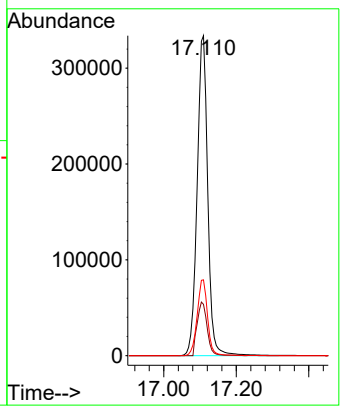


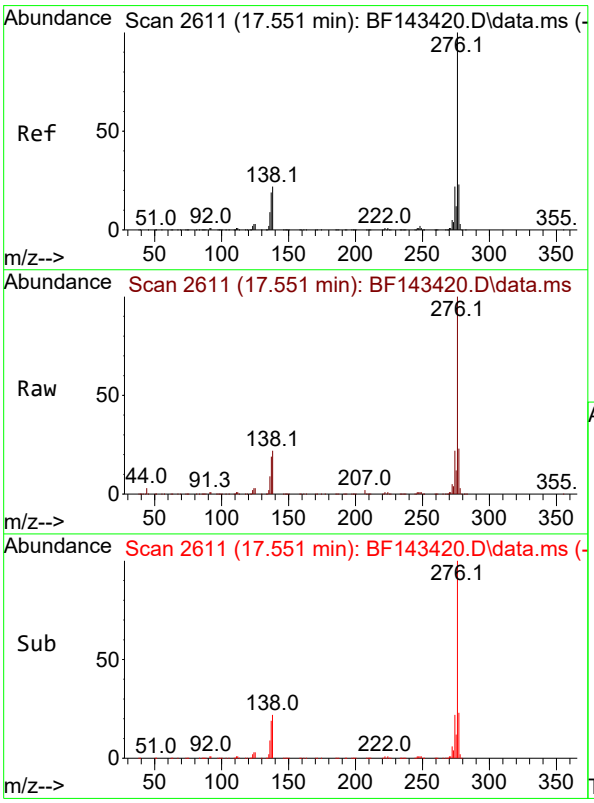
#91
Dibenzo(a,h)anthracene
Concen: 39.953 ng
RT: 17.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 679495

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.9	19.3
279	23.7	19.0	28.4

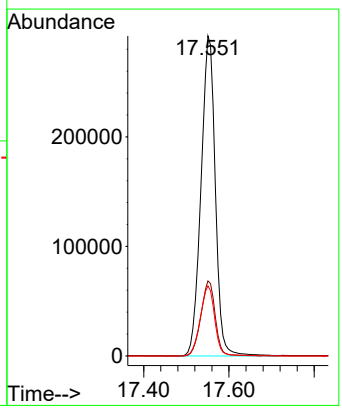




#92
Benzo(g,h,i)perylene
Concen: 40.113 ng
RT: 17.551 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:276 Resp: 681509

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	21.9	17.5	26.3



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143421.D
Acq On : 15 Aug 2025 16:58
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 15 18:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	130868	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	501440	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	269402	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	399933	20.000	ng	0.00
76) Chrysene-d12	14.086	240	212755	20.000	ng	0.00
86) Perylene-d12	15.574	264	292857	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	720631	95.722	ng	0.00
7) Phenol-d6	6.563	99	905039	95.393	ng	0.00
23) Nitrobenzene-d5	7.487	82	826629	97.821	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	230532	96.140	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1446406	90.305	ng	0.00
79) Terphenyl-d14	13.027	244	1124159	88.761	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.728	88	175435	48.412	ng	99
3) Pyridine	3.510	79	478644	50.361	ng	99
4) n-Nitrosodimethylamine	3.452	42	220531	49.920	ng	100
6) Aniline	6.593	93	622834	48.357	ng	97
8) 2-Chlorophenol	6.716	128	395716	47.611	ng	99
9) Benzaldehyde	6.481	77	208469	41.304	ng	99
10) Phenol	6.575	94	530907	47.954	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	394817	48.110	ng	98
12) 1,3-Dichlorobenzene	6.869	146	436132	46.843	ng	99
13) 1,4-Dichlorobenzene	6.946	146	443461	47.709	ng	99
14) 1,2-Dichlorobenzene	7.098	146	420628	47.378	ng	100
15) Benzyl Alcohol	7.069	79	346568	49.533	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	658959	46.969	ng	97
17) 2-Methylphenol	7.181	107	323714	47.736	ng	99
18) Hexachloroethane	7.440	117	150926	47.703	ng	98
19) n-Nitroso-di-n-propyla...	7.340	70	271764	46.269	ng	98
20) 3+4-Methylphenols	7.334	107	381880	47.097	ng	97
22) Acetophenone	7.334	105	494892	45.903	ng	98
24) Nitrobenzene	7.510	77	432934	49.019	ng	97
25) Isophorone	7.751	82	771184	47.682	ng	99
26) 2-Nitrophenol	7.828	139	212674	51.944	ng	97
27) 2,4-Dimethylphenol	7.863	122	328110	47.397	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	468573	47.135	ng	99
29) 2,4-Dichlorophenol	8.069	162	339906	48.167	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	343045	47.443	ng	100
31) Naphthalene	8.234	128	1117518	46.943	ng	100
32) Benzoic acid	7.981	122	182945	51.056	ng	98
33) 4-Chloroaniline	8.275	127	414537	48.241	ng	100
34) Hexachlorobutadiene	8.351	225	218677	47.427	ng	98
35) Caprolactam	8.651	113	100206	49.321	ng	97
36) 4-Chloro-3-methylphenol	8.757	107	352945	48.562	ng	99
37) 2-Methylnaphthalene	8.922	142	742483	46.270	ng	99
38) 1-Methylnaphthalene	9.022	142	716623	46.612	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	358160	47.670	ng	99
41) Hexachlorocyclopentadiene	9.081	237	129004	49.794	ng	98
43) 2,4,6-Trichlorophenol	9.198	196	229793	49.030	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143421.D
Acq On : 15 Aug 2025 16:58
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 15 18:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	249336	49.630	ng	99
46) 1,1'-Biphenyl	9.387	154	886393	46.828	ng	100
47) 2-Chloronaphthalene	9.410	162	706570	47.289	ng	99
48) 2-Nitroaniline	9.504	65	223540	50.274	ng	97
49) Acenaphthylene	9.822	152	1023016	47.421	ng	100
50) Dimethylphthalate	9.675	163	793803	47.261	ng	100
51) 2,6-Dinitrotoluene	9.739	165	168362	50.849	ng	99
52) Acenaphthene	9.998	154	686068	47.284	ng	100
53) 3-Nitroaniline	9.910	138	184361	49.986	ng	100
54) 2,4-Dinitrophenol	10.022	184	68752	47.214	ng	98
55) Dibenzofuran	10.169	168	974240	46.545	ng	99
56) 4-Nitrophenol	10.075	139	119993	51.748	ng	98
57) 2,4-Dinitrotoluene	10.145	165	221081	50.082	ng	99
58) Fluorene	10.510	166	727083	45.217	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	190929	50.205	ng	98
60) Diethylphthalate	10.381	149	710763	45.793	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	371115	46.681	ng	98
62) 4-Nitroaniline	10.528	138	166617	48.306	ng	99
63) Azobenzene	10.663	77	736604	46.957	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	107140	51.921	ng	97
66) n-Nitrosodiphenylamine	10.616	169	623583	47.953	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	231927	49.109	ng	99
68) Hexachlorobenzene	11.063	284	241672	48.135	ng	99
69) Atrazine	11.139	200	184670	48.552	ng	99
70) Pentachlorophenol	11.257	266	116662	52.337	ng	99
71) Phenanthrene	11.475	178	1007589	46.525	ng	100
72) Anthracene	11.528	178	1024065	46.817	ng	99
73) Carbazole	11.675	167	848940	45.888	ng	99
74) Di-n-butylphthalate	12.004	149	850780	46.180	ng	100
75) Fluoranthene	12.663	202	844131	43.866	ng	99
77) Benzidine	12.775	184	261682	43.448	ng	99
78) Pyrene	12.892	202	849028	45.913	ng	99
80) Butylbenzylphthalate	13.498	149	239484	52.286	ng	99
81) Benzo(a)anthracene	14.074	228	644570	47.587	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	205554	51.831	ng	100
83) Chrysene	14.110	228	614856	49.101	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	364131	55.980	ng	99
85) Di-n-octyl phthalate	14.669	149	733517	55.599	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	1072706	48.845	ng	100
88) Benzo(b)fluoranthene	15.139	252	753963	48.035	ng	99
89) Benzo(k)fluoranthene	15.168	252	748201	48.329	ng	100
90) Benzo(a)pyrene	15.516	252	738784	49.418	ng	99
91) Dibenzo(a,h)anthracene	17.110	278	855766	48.523	ng	100
92) Benzo(g,h,i)perylene	17.557	276	863384	49.005	ng	99

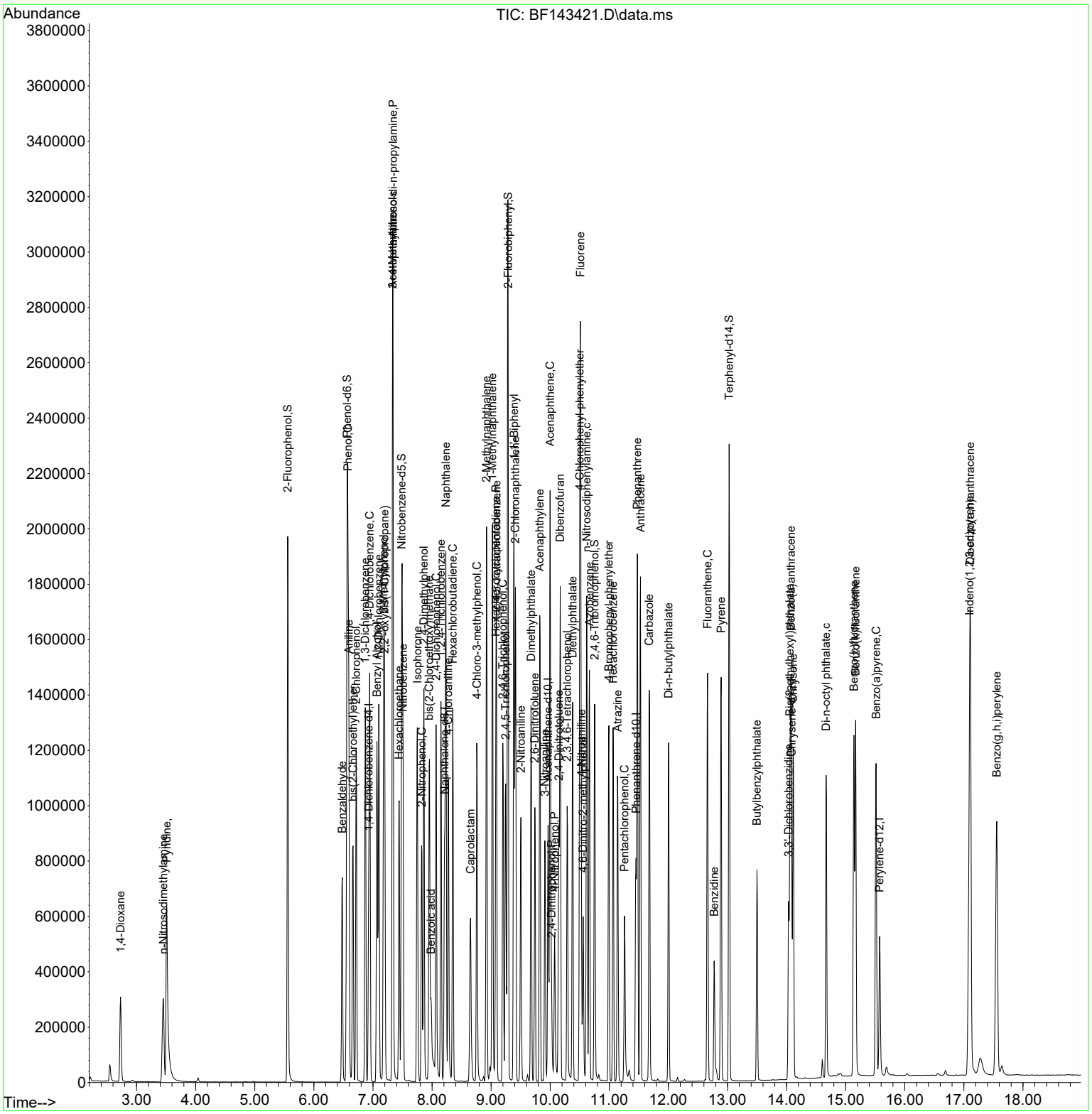
(#) = qualifier out of range (m) = manual integration (+) = signals summed

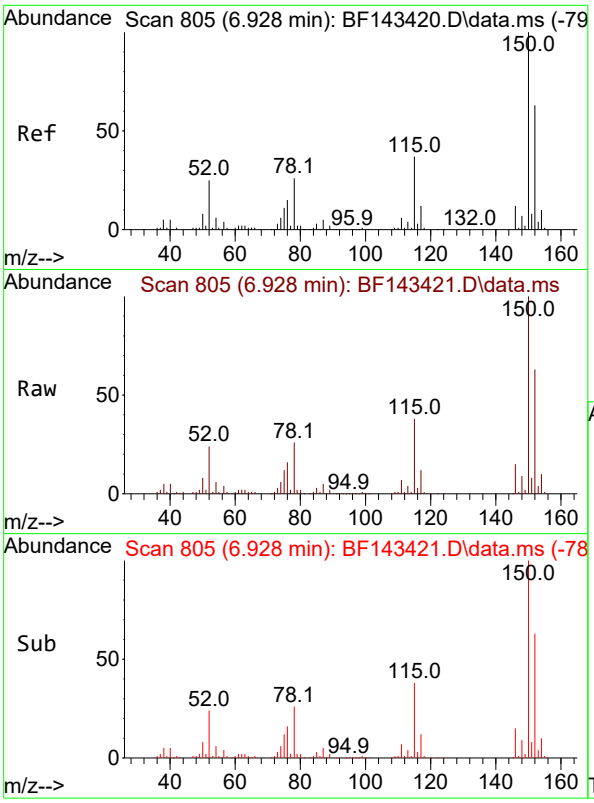
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143421.D
Acq On : 15 Aug 2025 16:58
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 15 18:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



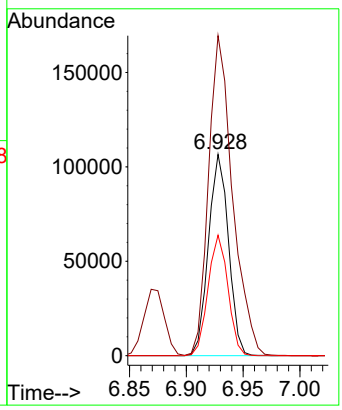


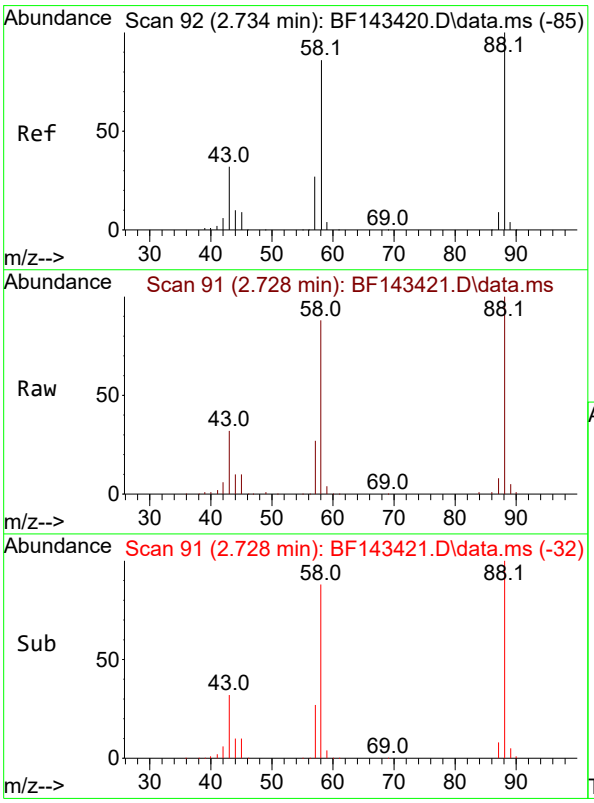
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 130868

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.4	191.2
115	59.8	47.5	71.3

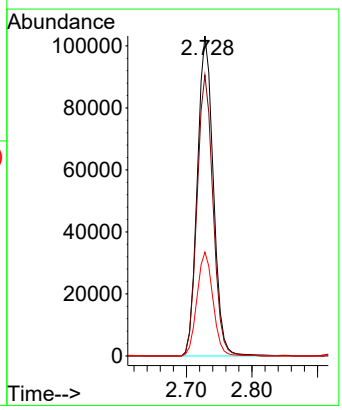


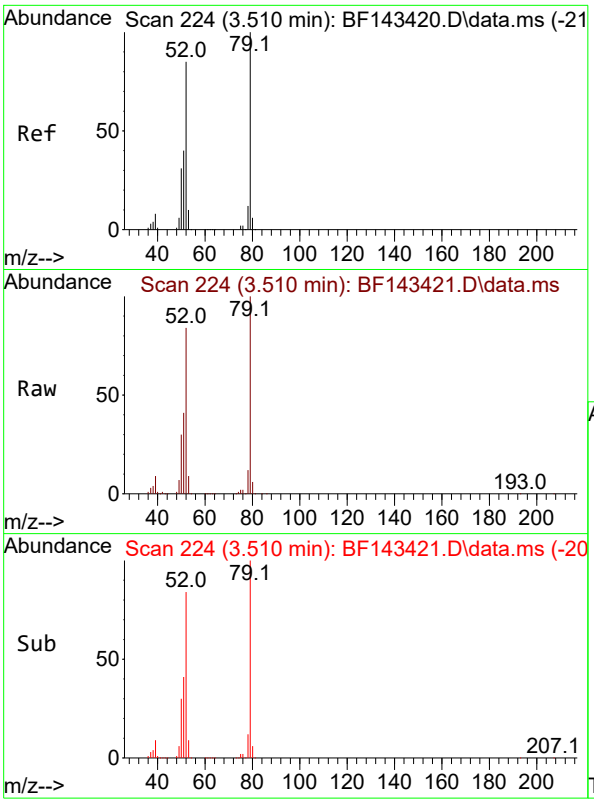


#2
1,4-Dioxane
Concen: 48.412 ng
RT: 2.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 88 Resp: 175435

Ion	Ratio	Lower	Upper
88	100		
58	87.4	68.7	103.1
43	32.4	26.1	39.1



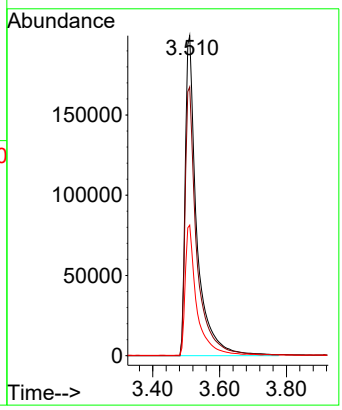


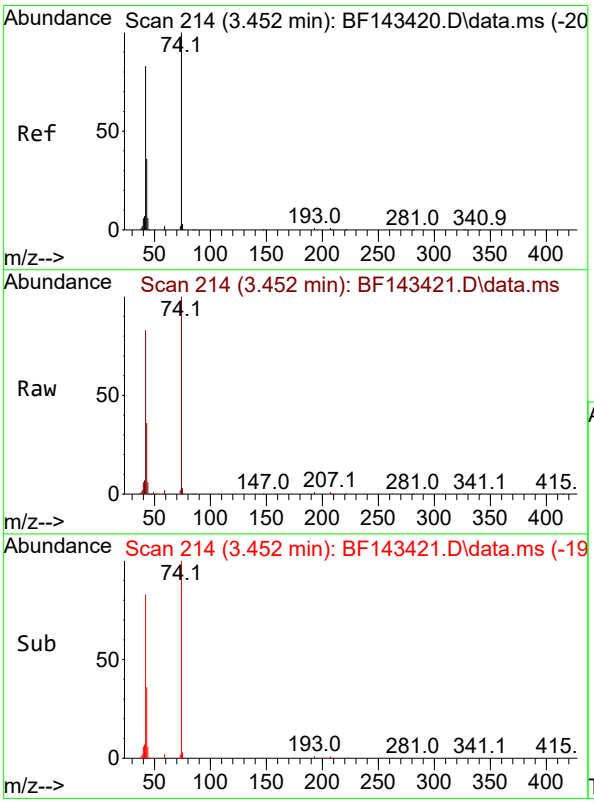
#3
Pyridine
Concen: 50.361 ng
RT: 3.510 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 478644

Ion	Ratio	Lower	Upper
79	100		
52	84.0	67.7	101.5
51	40.8	32.3	48.5

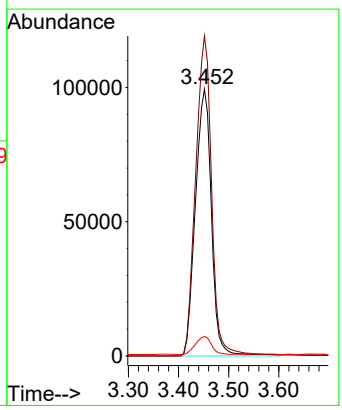


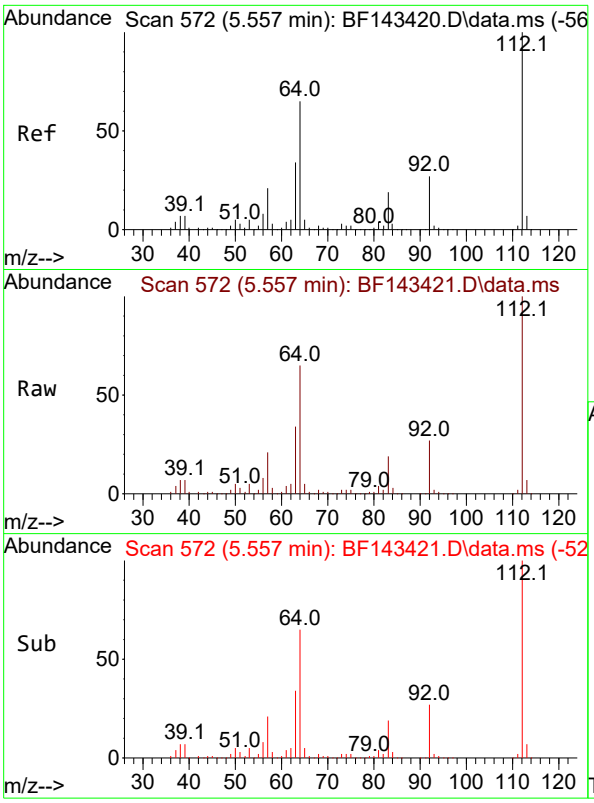


#4
n-Nitrosodimethylamine
Concen: 49.920 ng
RT: 3.452 min Scan# 214
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 42 Resp: 220531

Ion	Ratio	Lower	Upper
42	100		
74	119.9	96.2	144.4
44	7.3	5.9	8.9



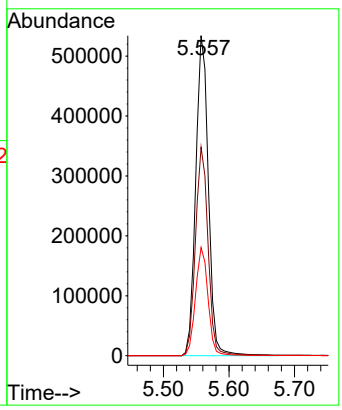


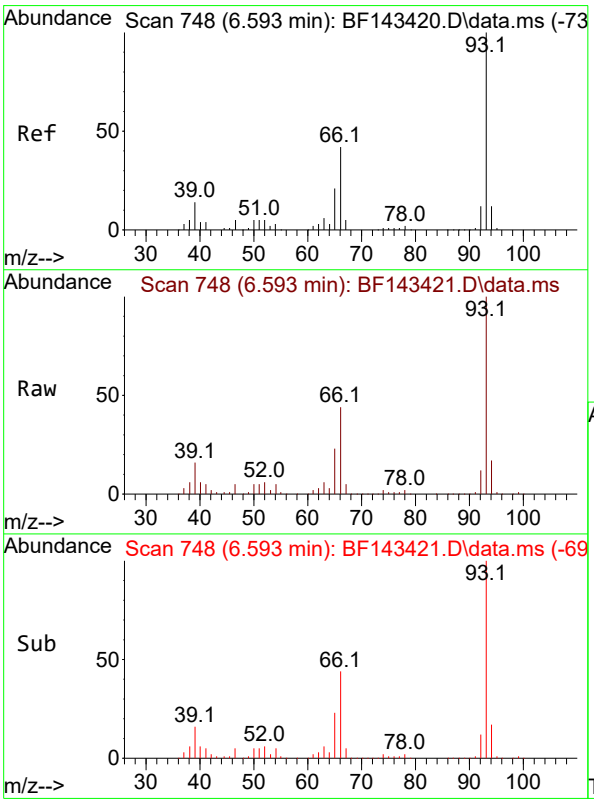
#5
2-Fluorophenol
Concen: 95.722 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 720631

Ion	Ratio	Lower	Upper
112	100		
64	65.2	52.2	78.2
63	33.8	27.0	40.6

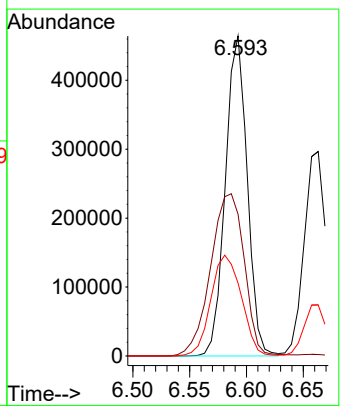


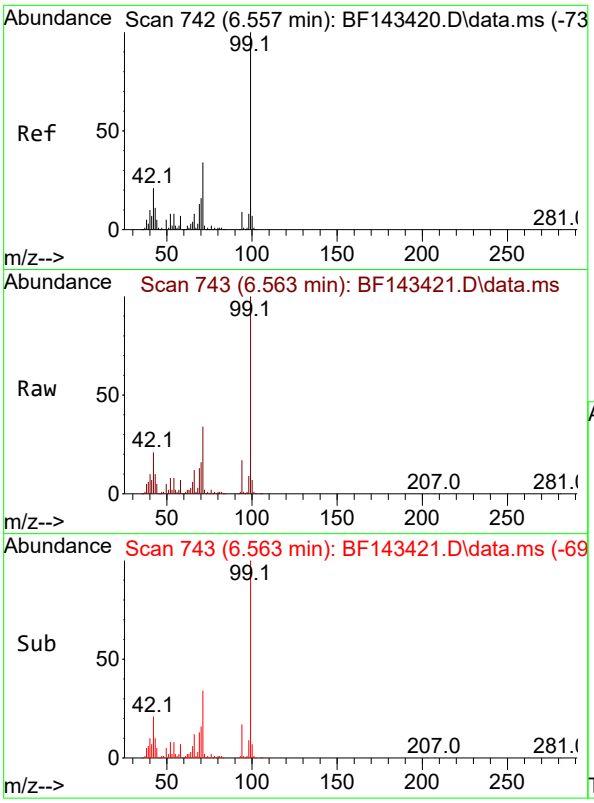


#6
Aniline
Concen: 48.357 ng
RT: 6.593 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 93 Resp: 622834

Ion	Ratio	Lower	Upper
93	100		
66	44.3	33.8	50.8
65	22.8	17.2	25.8



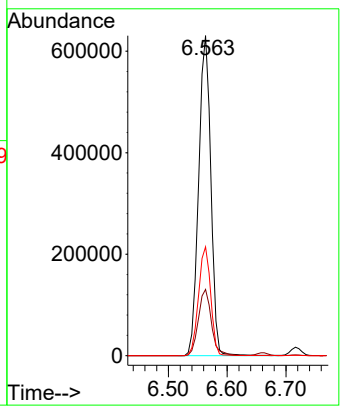


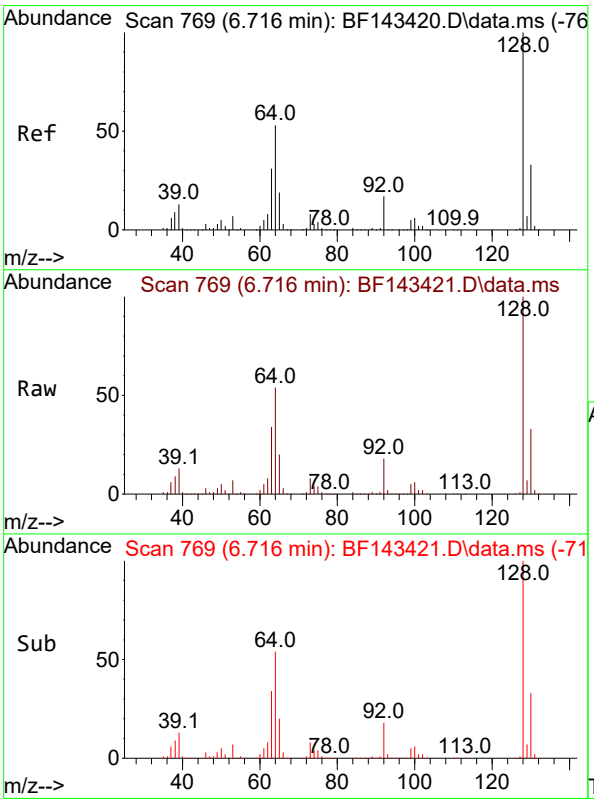
#7
Phenol-d6
Concen: 95.393 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 905039

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	34.0	27.4	41.2

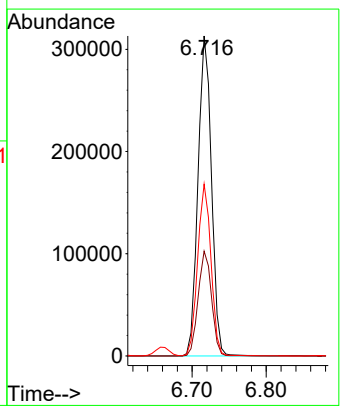


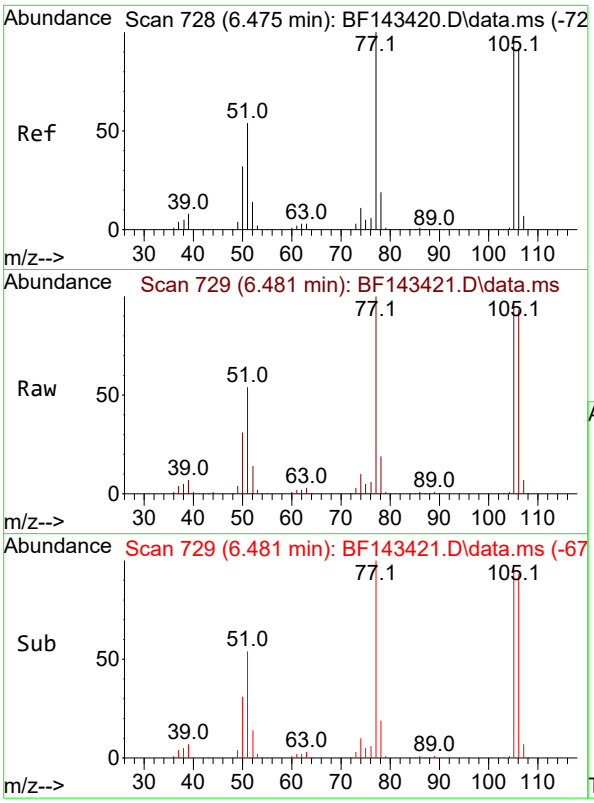


#8
2-Chlorophenol
Concen: 47.611 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:128 Resp: 395716

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	53.7	33.1	73.1



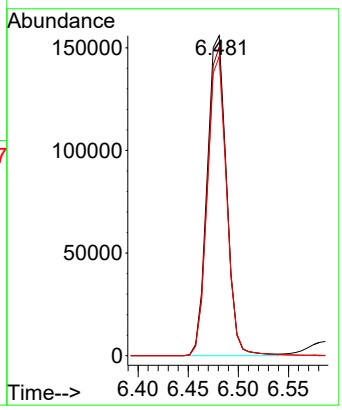


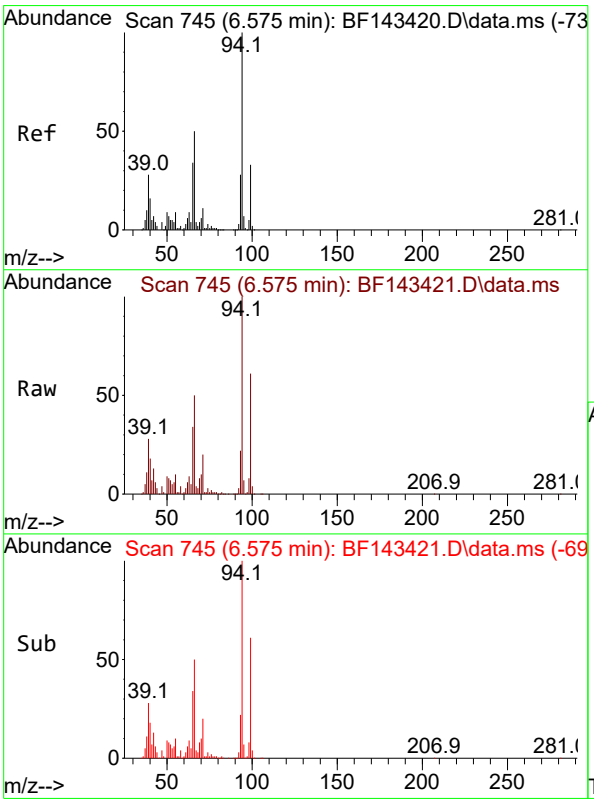
#9
Benzaldehyde
Concen: 41.304 ng
RT: 6.481 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 208469

Ion	Ratio	Lower	Upper
77	100		
105	96.3	75.5	115.5
106	93.5	72.0	112.0

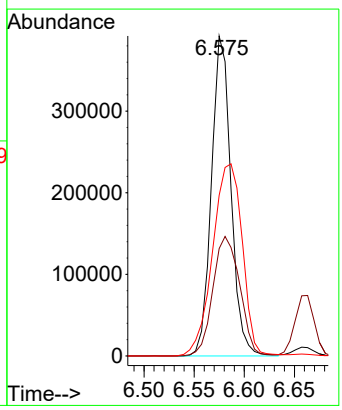


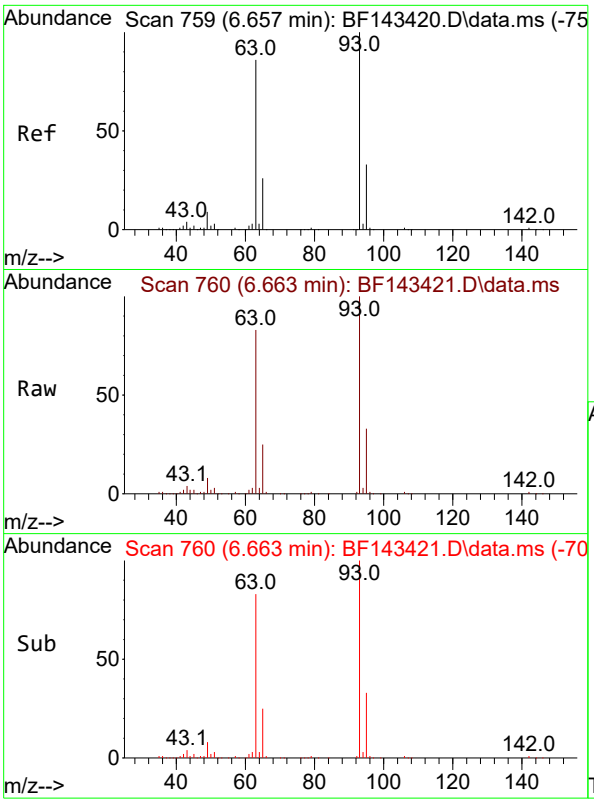


#10
Phenol
Concen: 47.954 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 94 Resp: 530907

Ion	Ratio	Lower	Upper
94	100		
65	33.5	13.7	53.7
66	50.2	30.3	70.3



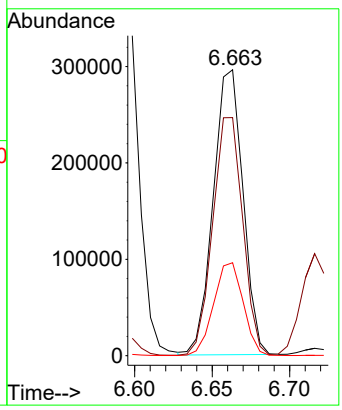


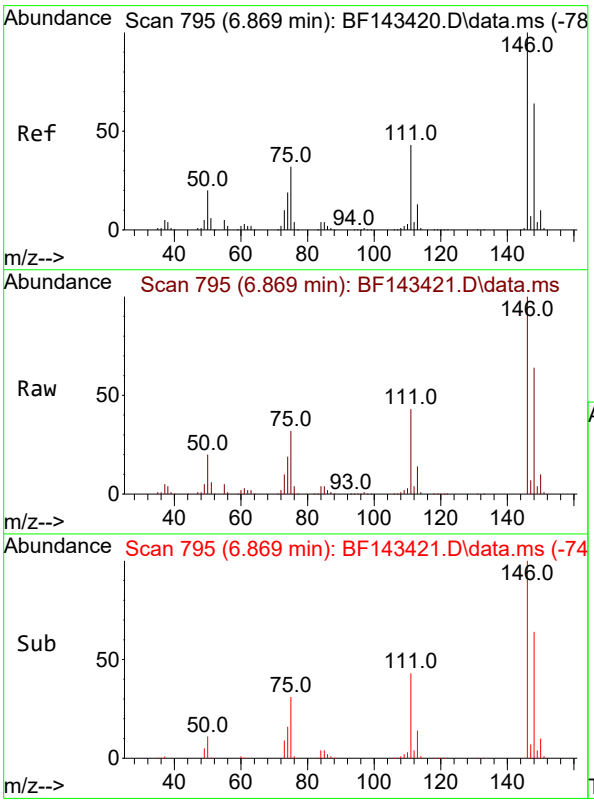
#11
bis(2-Chloroethyl)ether
Concen: 48.110 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 394817

Ion	Ratio	Lower	Upper
93	100		
63	83.3	65.4	105.4
95	32.5	12.8	52.8

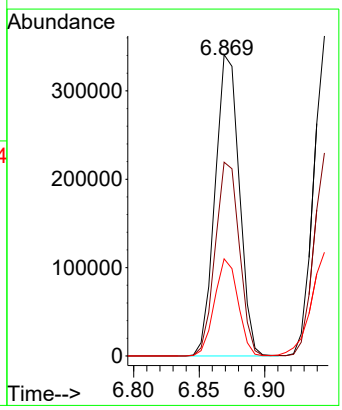


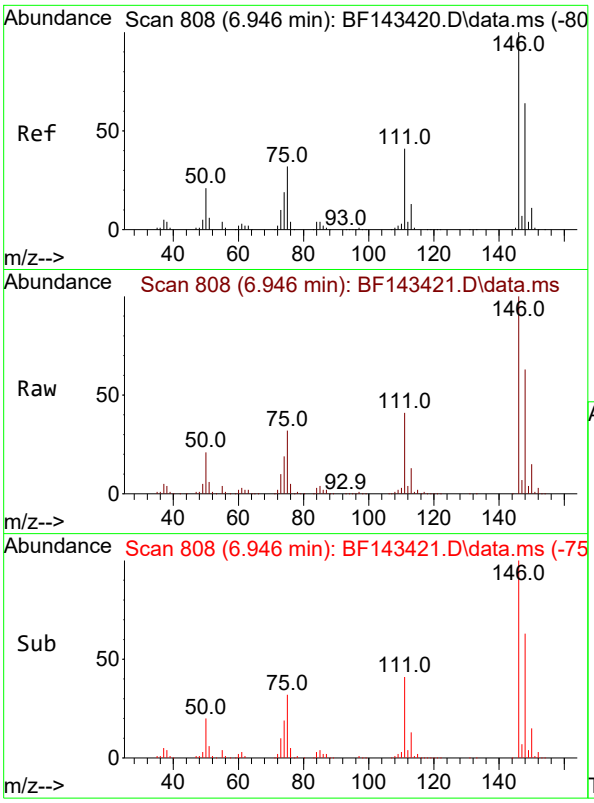


#12
1,3-Dichlorobenzene
Concen: 46.843 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:146 Resp: 436132

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	32.2	25.3	37.9



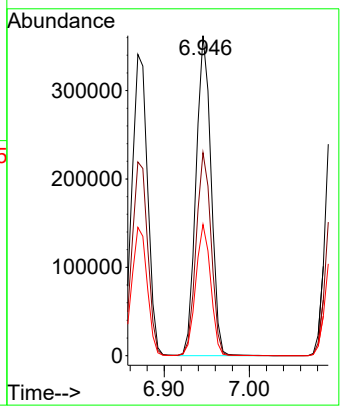


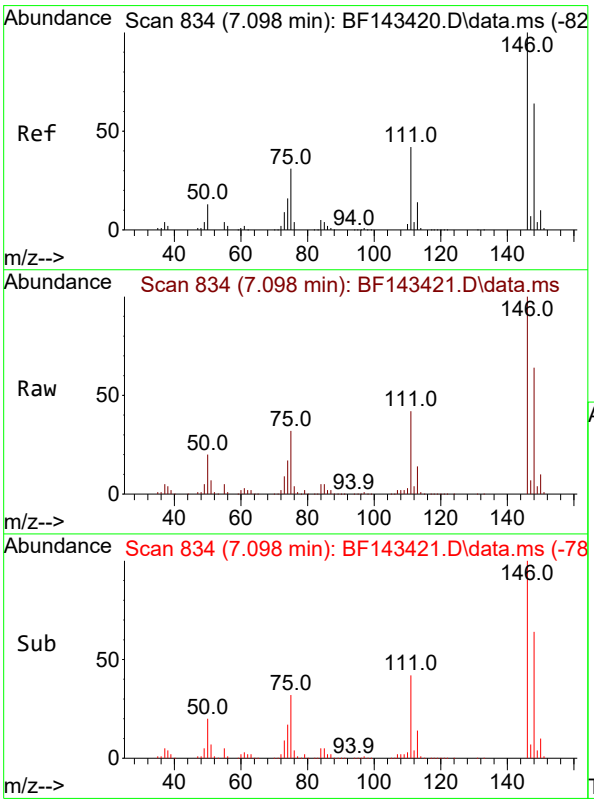
#13
1,4-Dichlorobenzene
Concen: 47.709 ng
RT: 6.946 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 443461

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.1	76.7
111	41.0	32.5	48.7

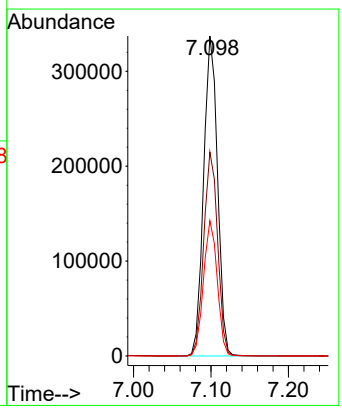


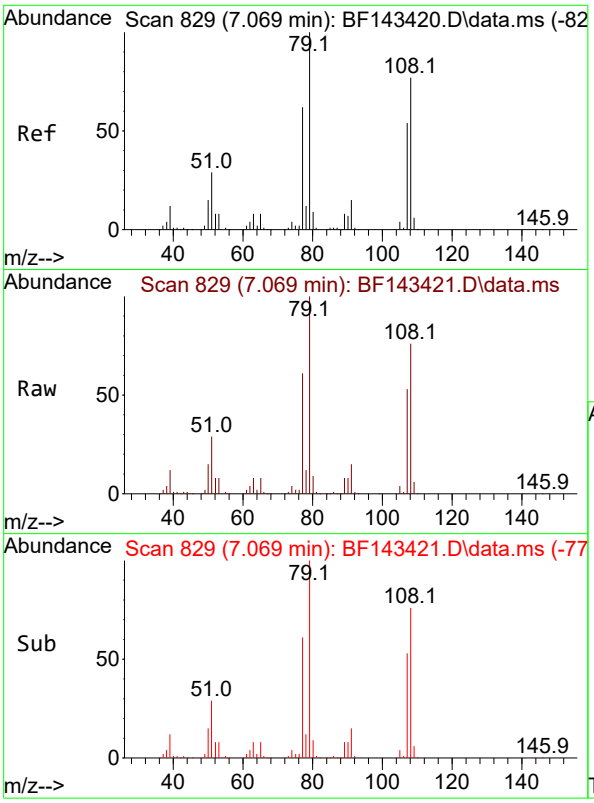


#14
1,2-Dichlorobenzene
Concen: 47.378 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:146 Resp: 420628

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.0
111	42.2	33.9	50.9



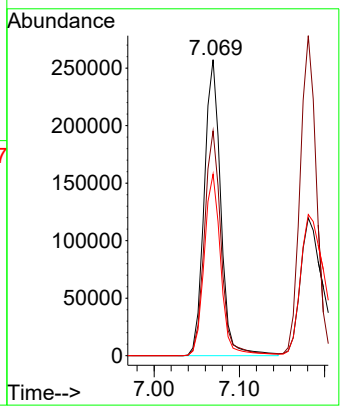


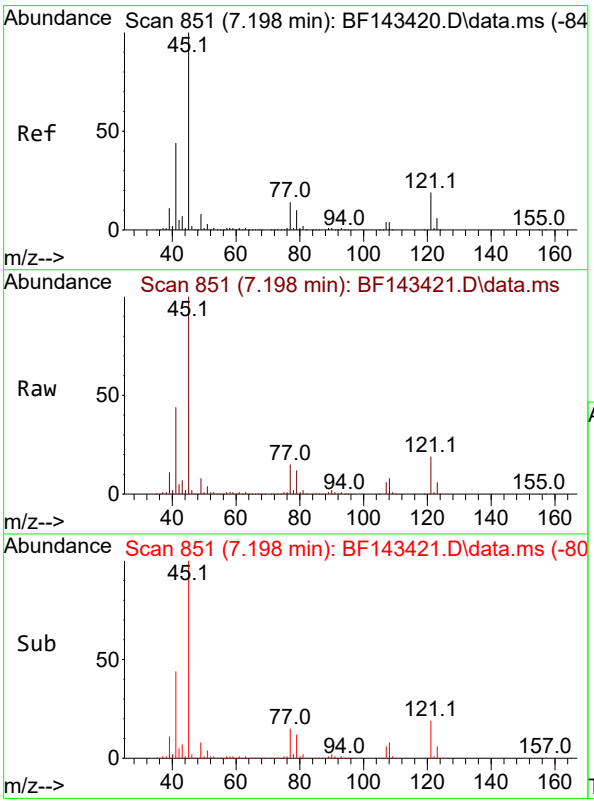
#15
Benzyl Alcohol
Concen: 49.533 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 346568

Ion	Ratio	Lower	Upper
79	100		
108	75.9	61.9	92.9
77	61.4	49.2	73.8

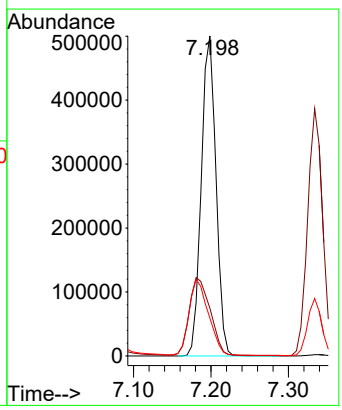


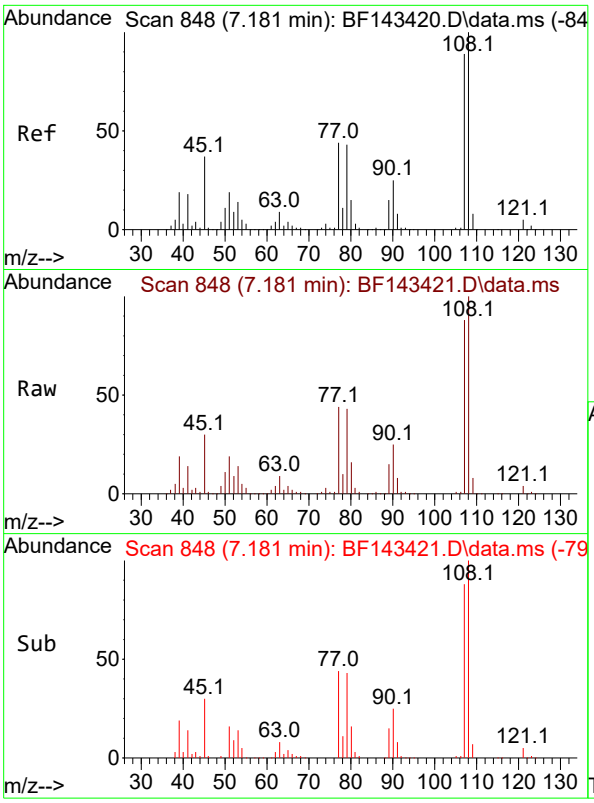


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.969 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 45 Resp: 658959

Ion	Ratio	Lower	Upper
45	100		
77	15.0	0.0	33.9
79	11.9	0.0	30.7



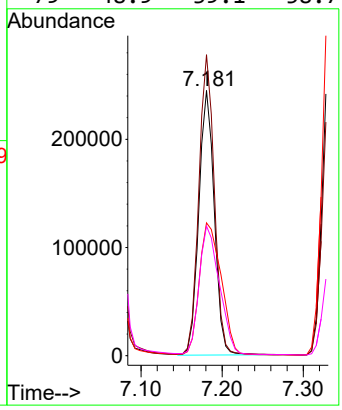


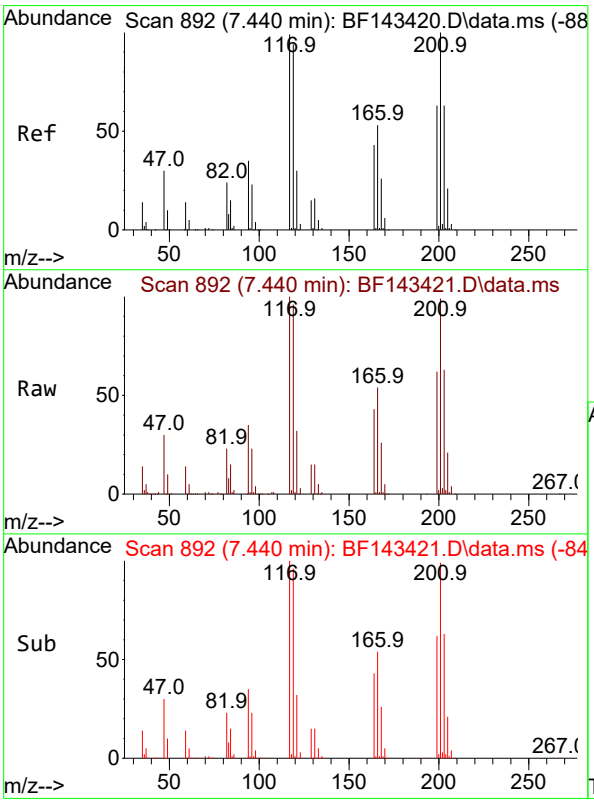
#17
2-Methylphenol
Concen: 47.736 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 323714

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.1	135.1
77	50.1	39.9	59.9
79	48.9	39.1	58.7

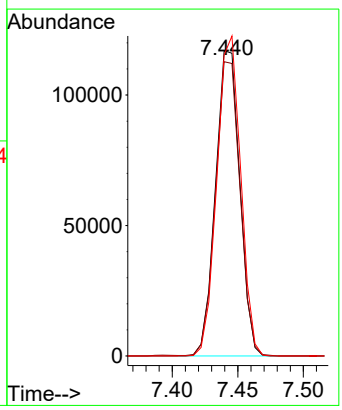


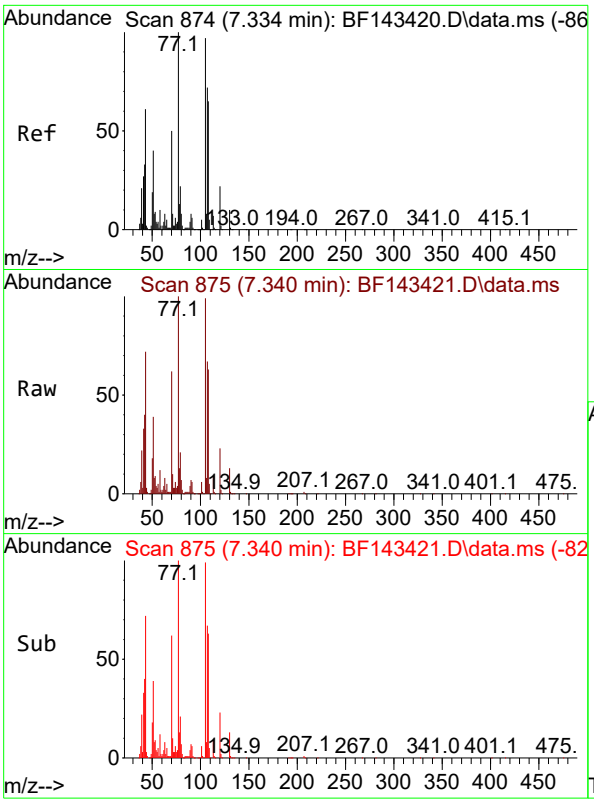


#18
Hexachloroethane
Concen: 47.703 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:117 Resp: 150926

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.6	114.8
201	98.6	81.0	121.4



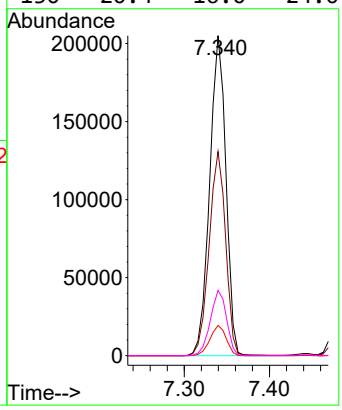


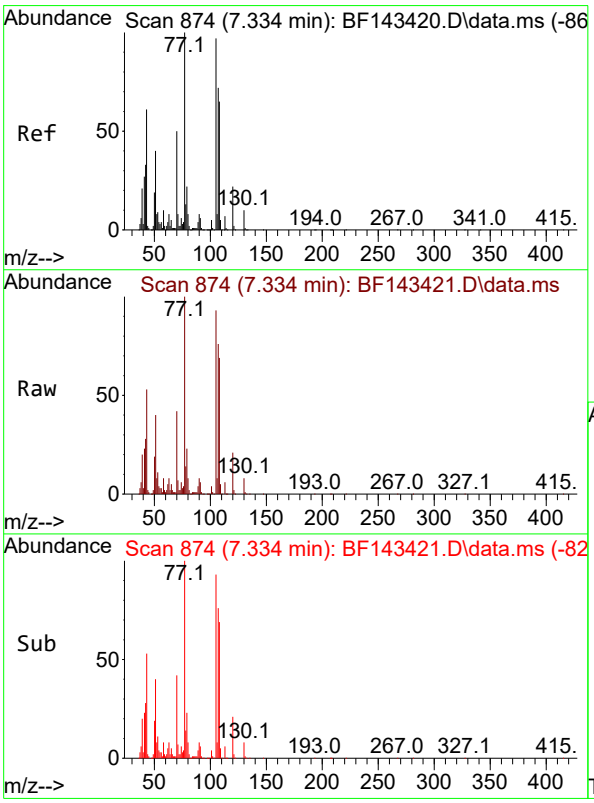
#19
n-Nitroso-di-n-propylamine
Concen: 46.269 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 271764

Ion	Ratio	Lower	Upper
70	100		
42	63.8	52.5	78.7
101	9.5	7.9	11.9
130	20.4	16.0	24.0

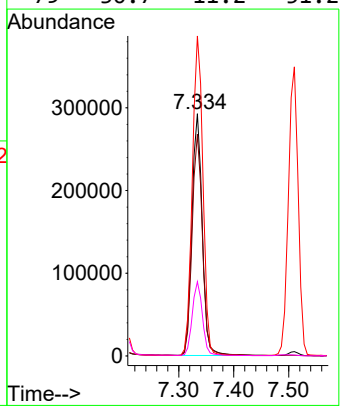


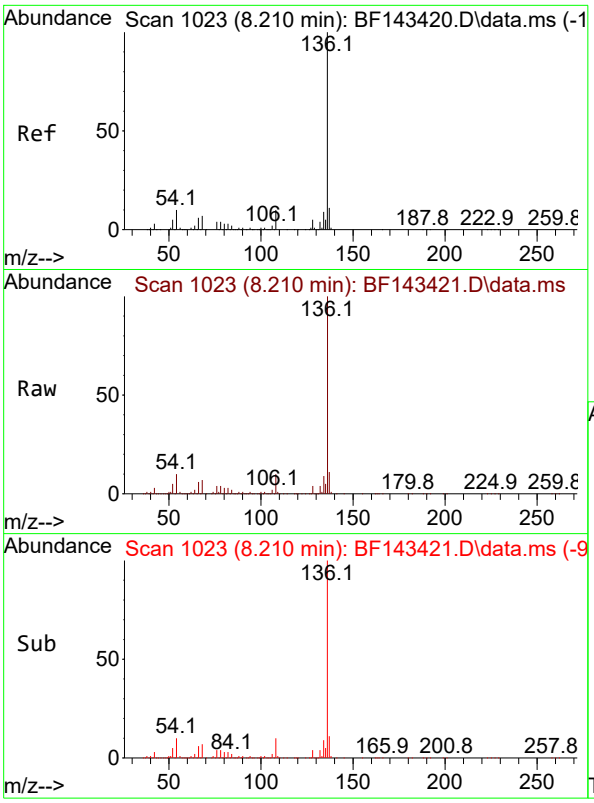


#20
3+4-Methylphenols
Concen: 47.097 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:107 Resp: 381880

Ion	Ratio	Lower	Upper
107	100		
108	91.6	70.8	110.8
77	132.1	119.1	159.1
79	30.7	11.2	51.2



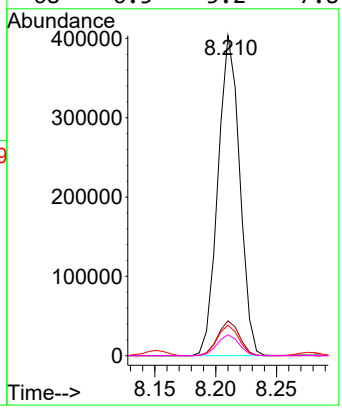


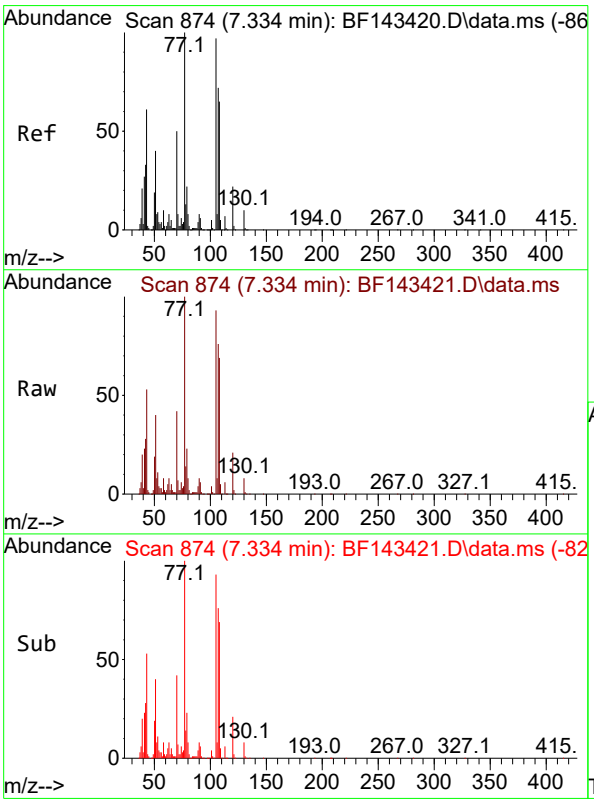
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 501440

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.6	7.8	11.8
68	6.5	5.2	7.8

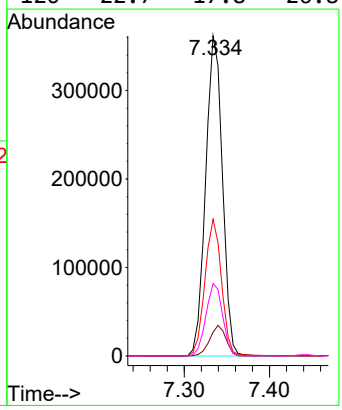


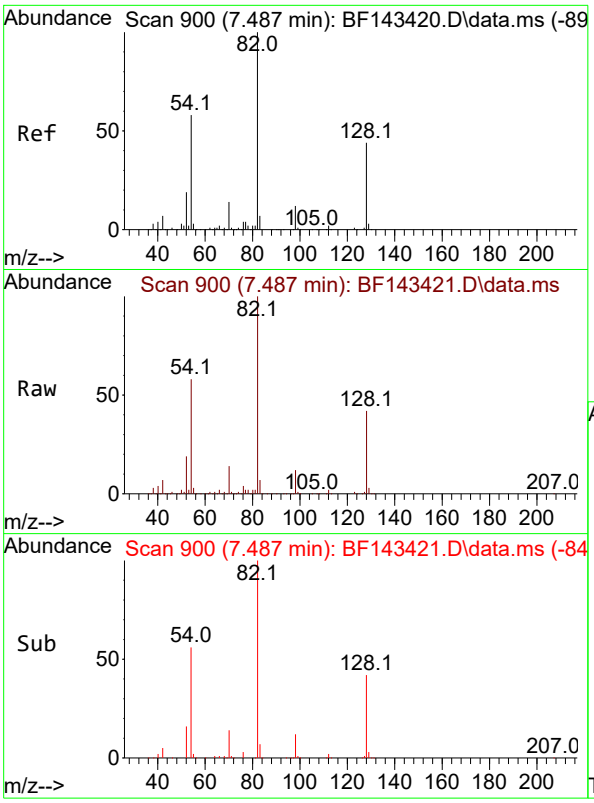


#22
Acetophenone
Concen: 45.903 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:105 Resp: 494892

Ion	Ratio	Lower	Upper
105	100		
71	7.5	7.0	10.4
51	42.7	32.7	49.1
120	22.7	17.8	26.8



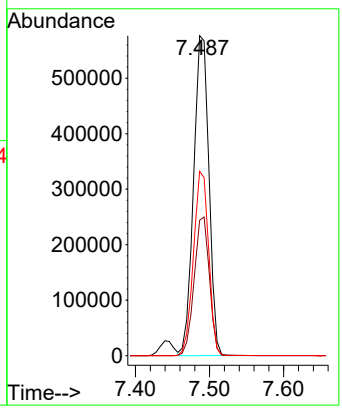


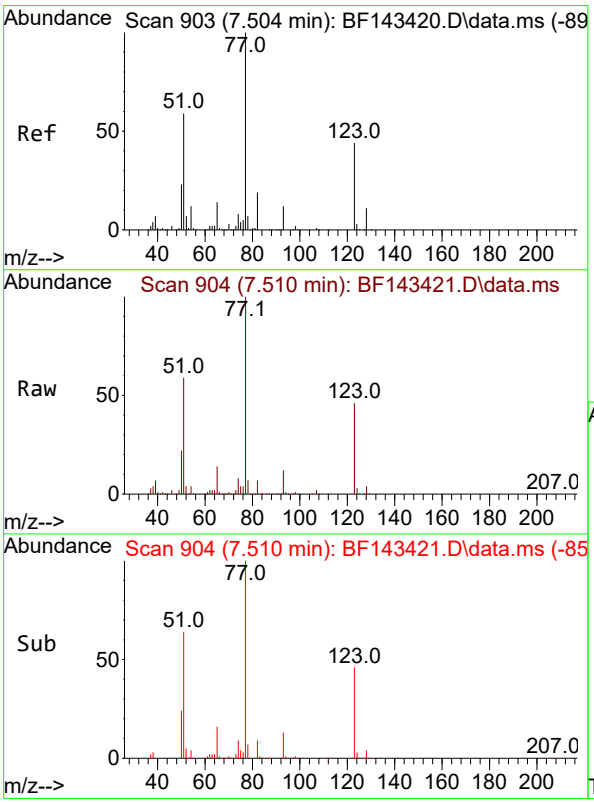
#23
Nitrobenzene-d5
Concen: 97.821 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 826629

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.6	52.0
54	57.6	46.0	69.0

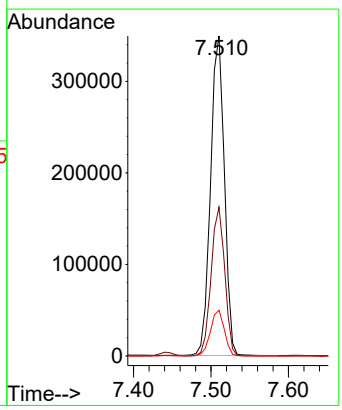


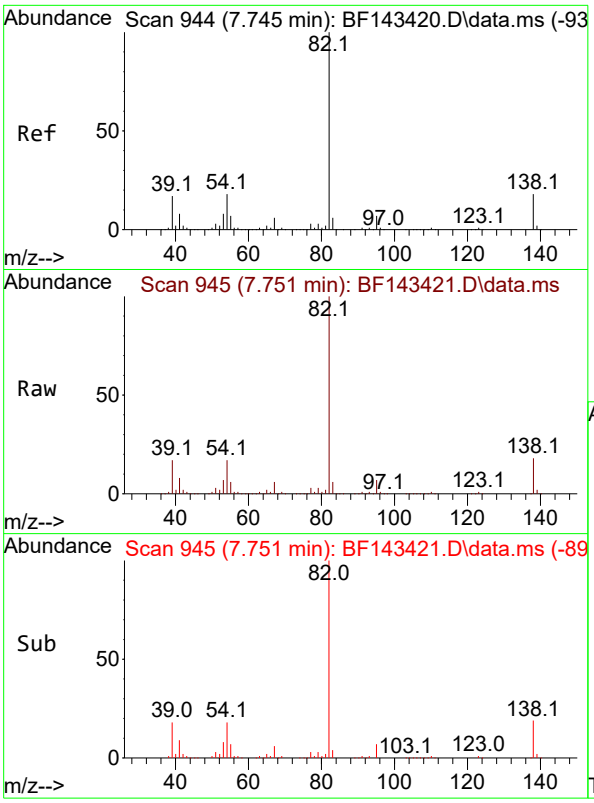


#24
Nitrobenzene
Concen: 49.019 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 77 Resp: 432934

Ion	Ratio	Lower	Upper
77	100		
123	46.5	35.4	53.0
65	14.3	11.2	16.8



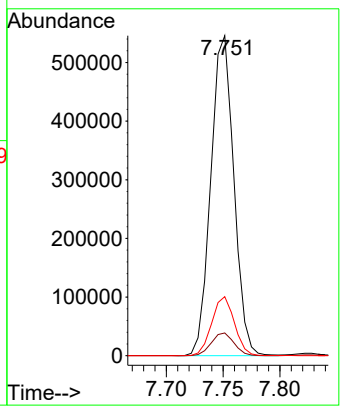


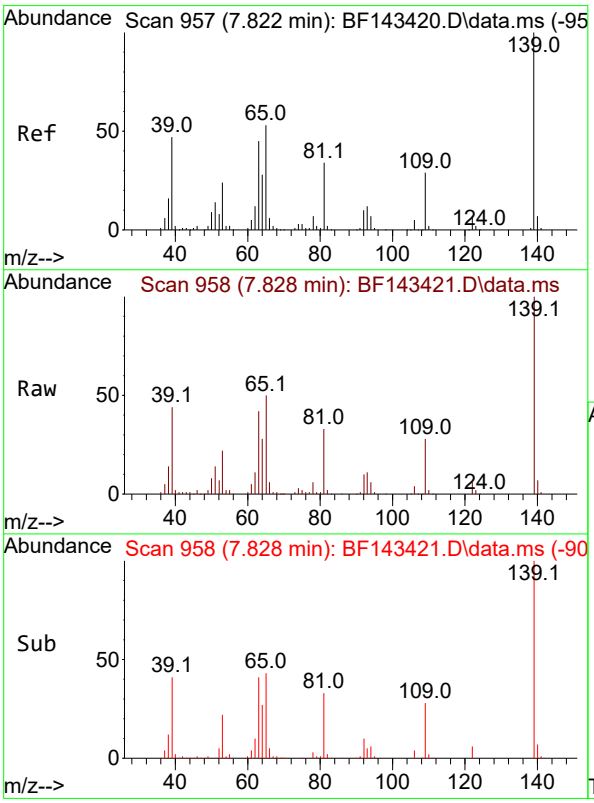
#25
Isophorone
Concen: 47.682 ng
RT: 7.751 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 771184

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.5	14.3	21.5

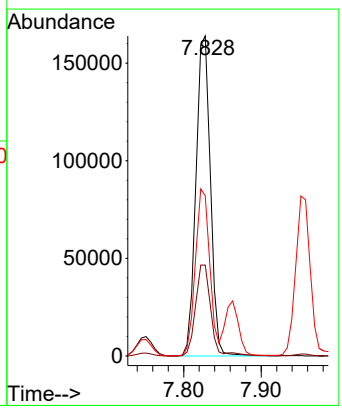


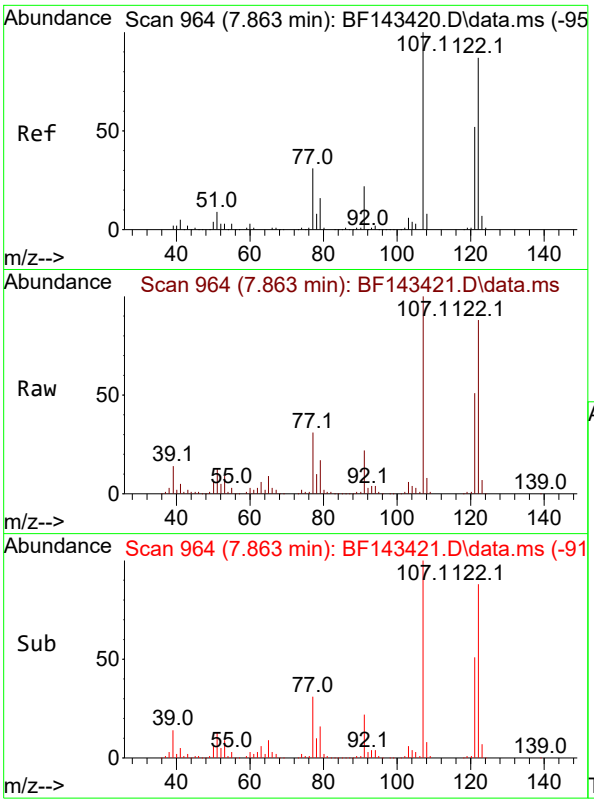


#26
2-Nitrophenol
Concen: 51.944 ng
RT: 7.828 min Scan# 958
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:139 Resp: 212674

Ion	Ratio	Lower	Upper
139	100		
109	28.4	23.0	34.4
65	50.1	42.5	63.7



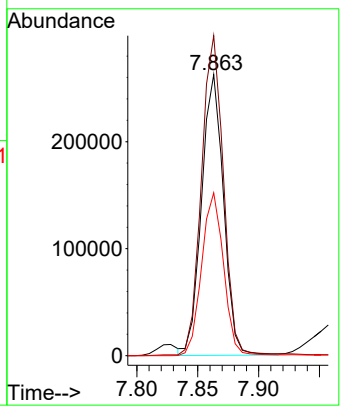


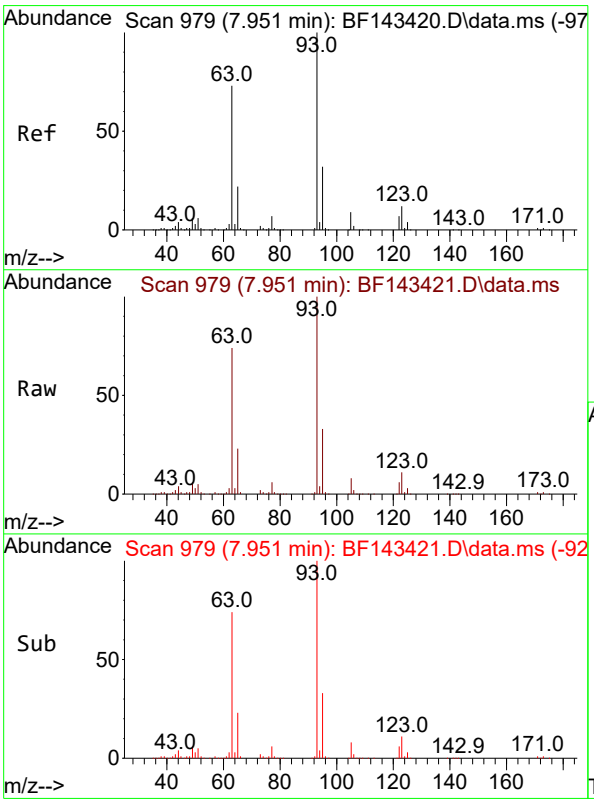
#27
2,4-Dimethylphenol
Concen: 47.397 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 328110

Ion	Ratio	Lower	Upper
122	100		
107	113.8	90.4	135.6
121	57.9	46.7	70.1

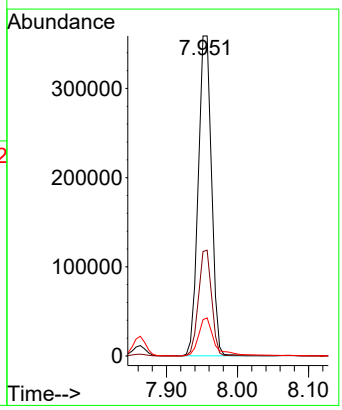


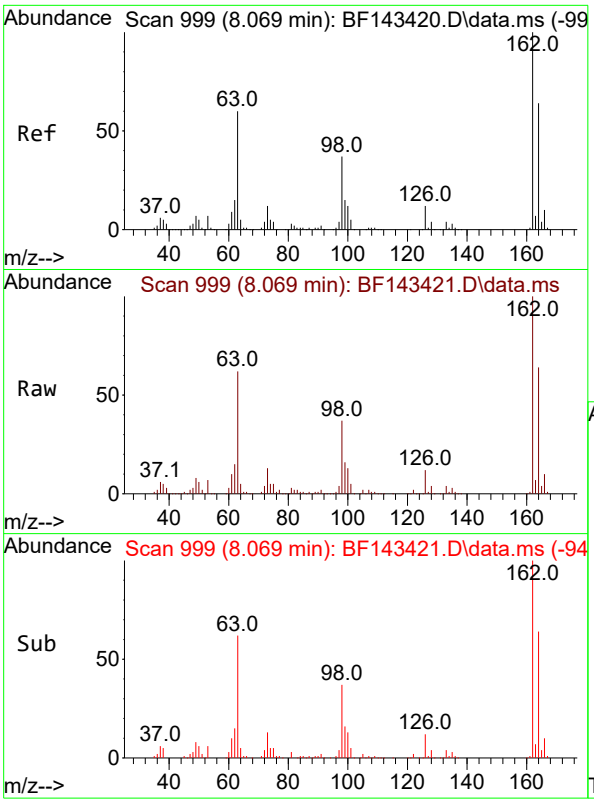


#28
bis(2-Chloroethoxy)methane
Concen: 47.135 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 93 Resp: 468573

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.0	39.0
123	11.4	9.5	14.3



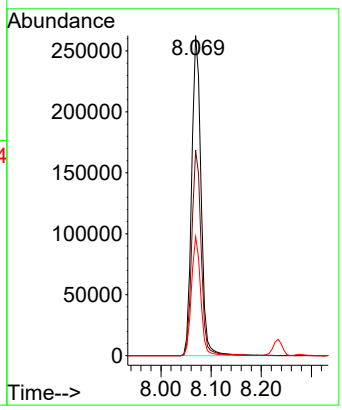


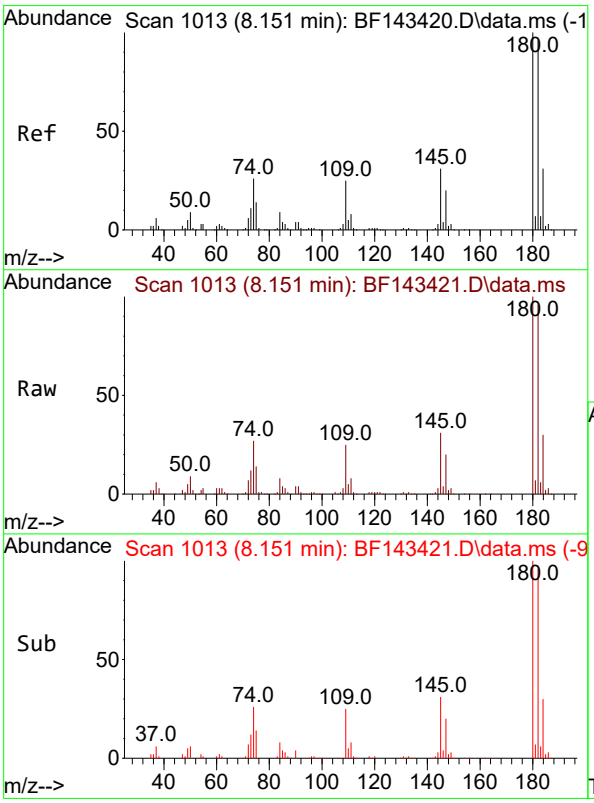
#29
2,4-Dichlorophenol
Concen: 48.167 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 339906

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	37.1	16.9	56.9

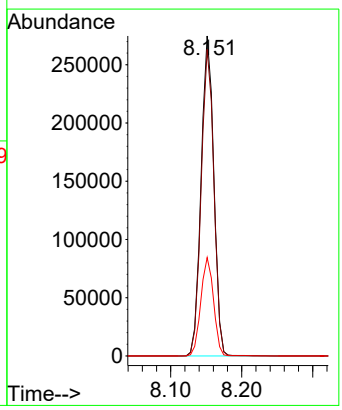


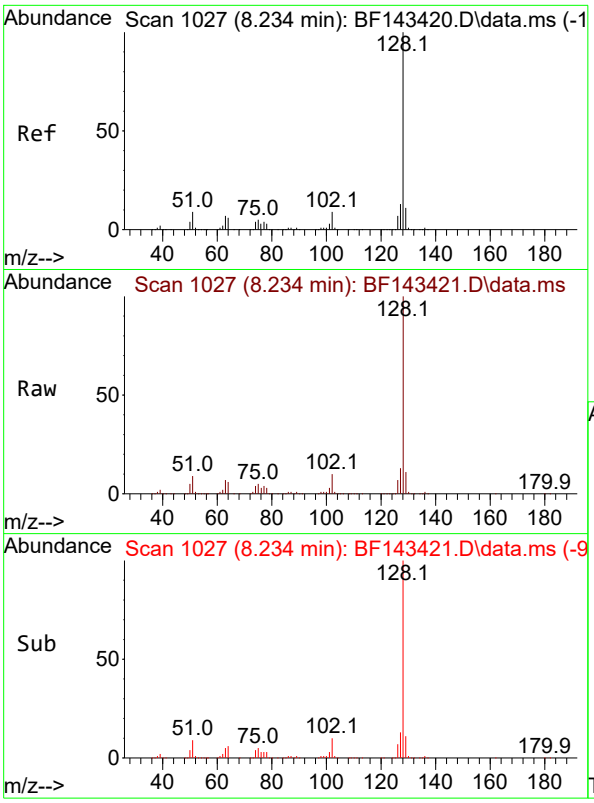


#30
1,2,4-Trichlorobenzene
Concen: 47.443 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:180 Resp: 343045

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
145	30.7	24.5	36.7



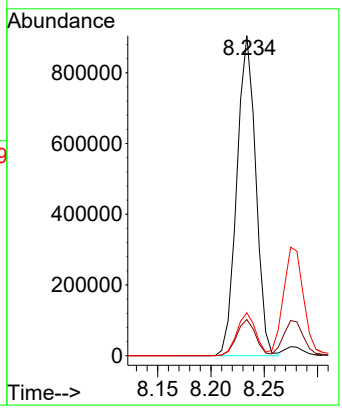


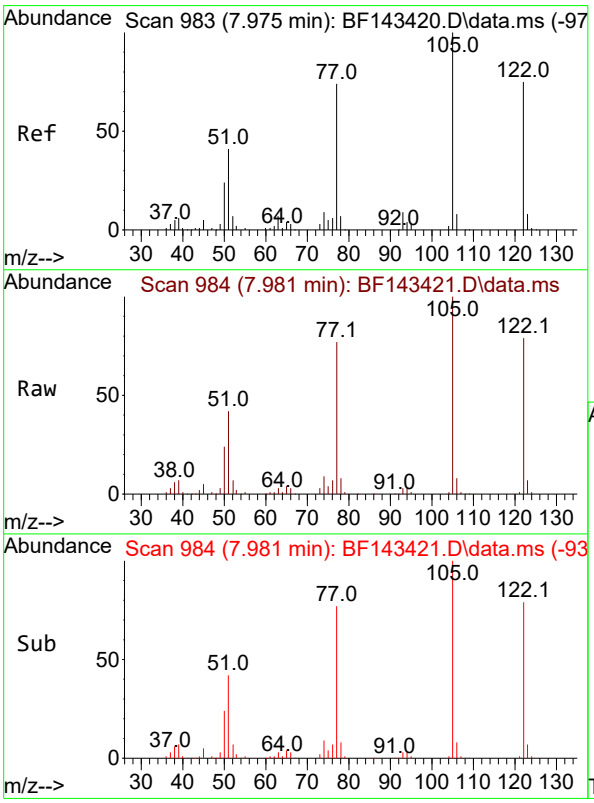
#31
Naphthalene
Concen: 46.943 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1117518

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.4	10.6	16.0

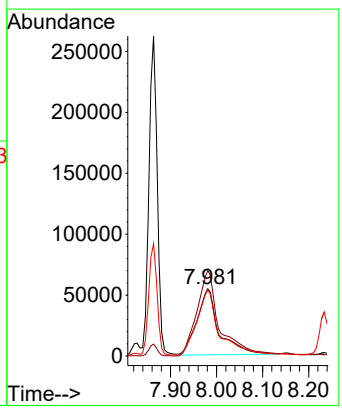


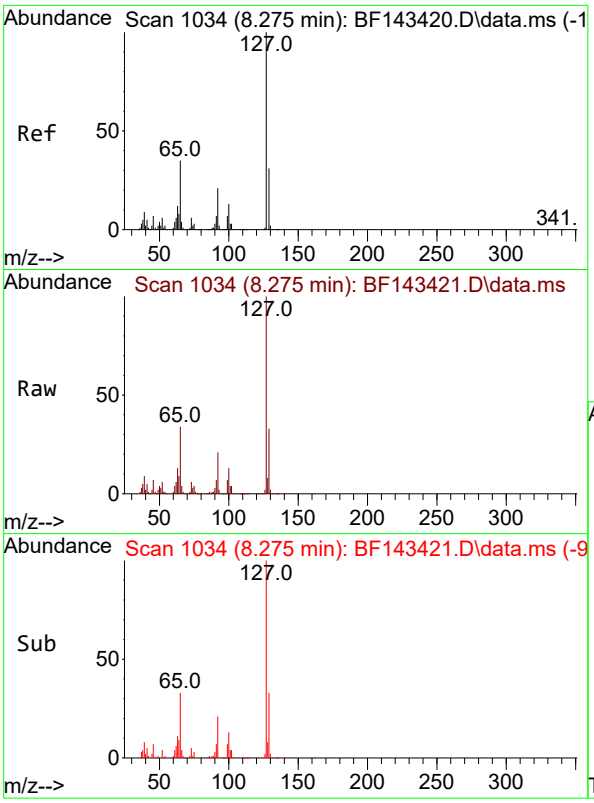


#32
Benzoic acid
Concen: 51.056 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:122 Resp: 182945

Ion	Ratio	Lower	Upper
122	100		
105	127.2	108.4	148.4
77	98.1	75.9	115.9



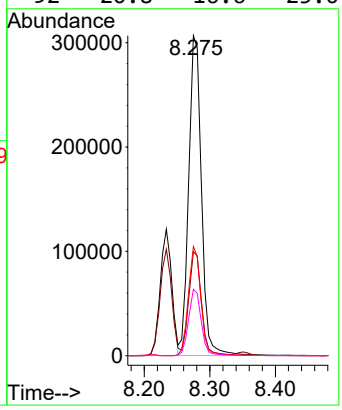


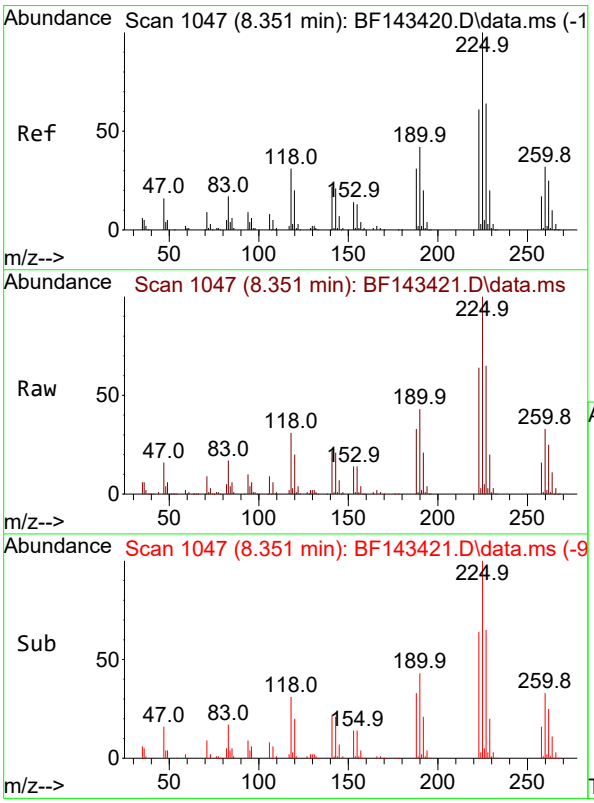
#33
4-Chloroaniline
Concen: 48.241 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 414537

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.8	38.8
65	34.1	27.2	40.8
92	20.8	16.6	25.0

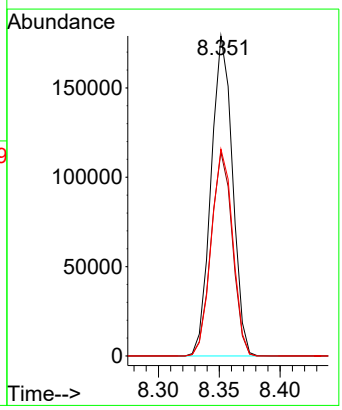


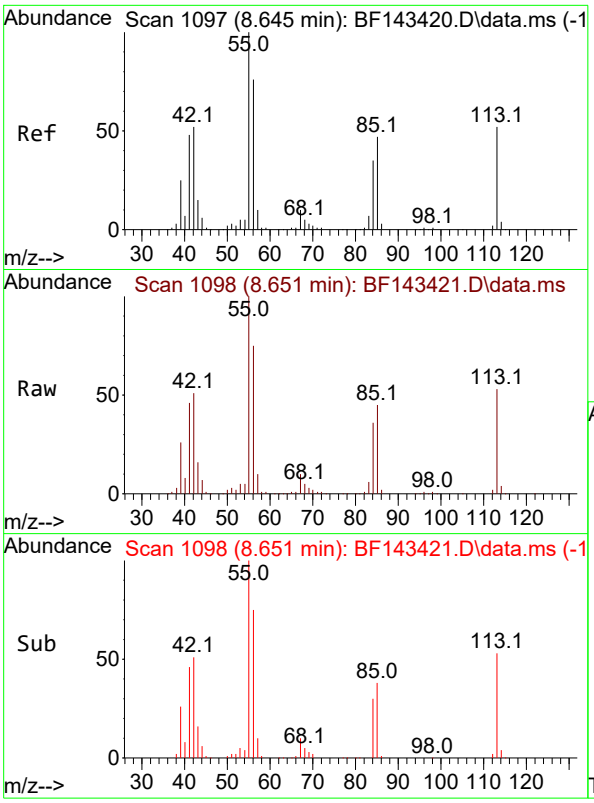


#34
Hexachlorobutadiene
Concen: 47.427 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:225 Resp: 218677

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.0	73.6
227	64.6	51.1	76.7



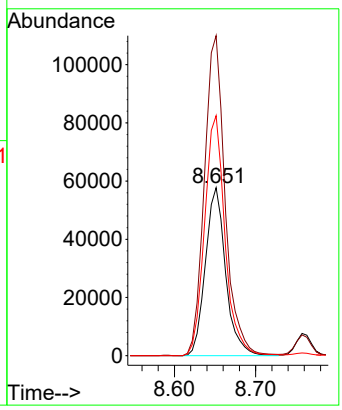


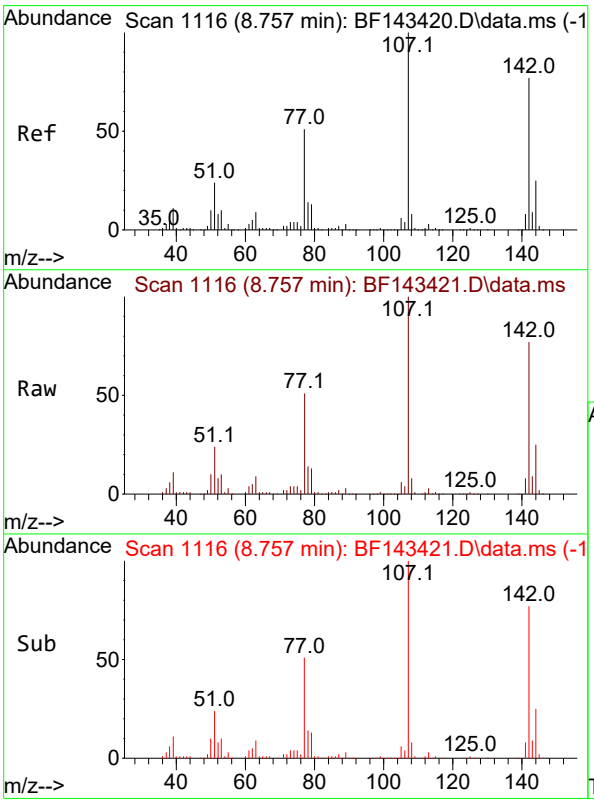
#35
Caprolactam
Concen: 49.321 ng
RT: 8.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 100206

Ion	Ratio	Lower	Upper
113	100		
55	190.4	174.7	214.7
56	142.8	127.0	167.0

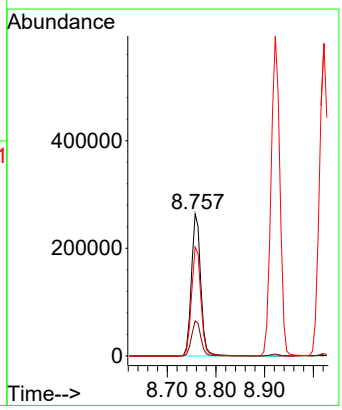


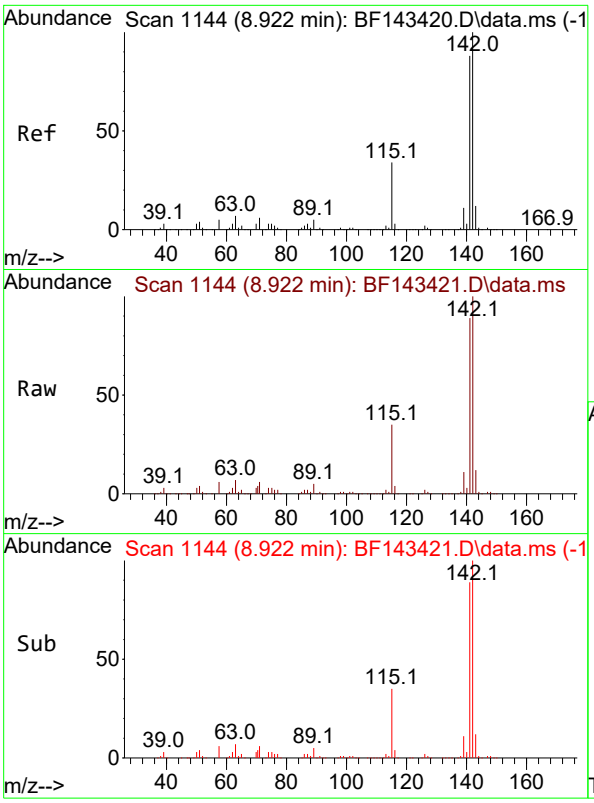


#36
4-Chloro-3-methylphenol
Concen: 48.562 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:107 Resp: 352945

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.2	30.2
142	76.7	62.0	93.0



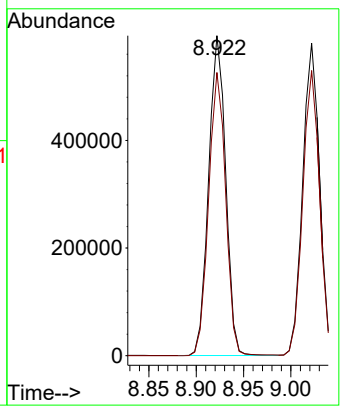


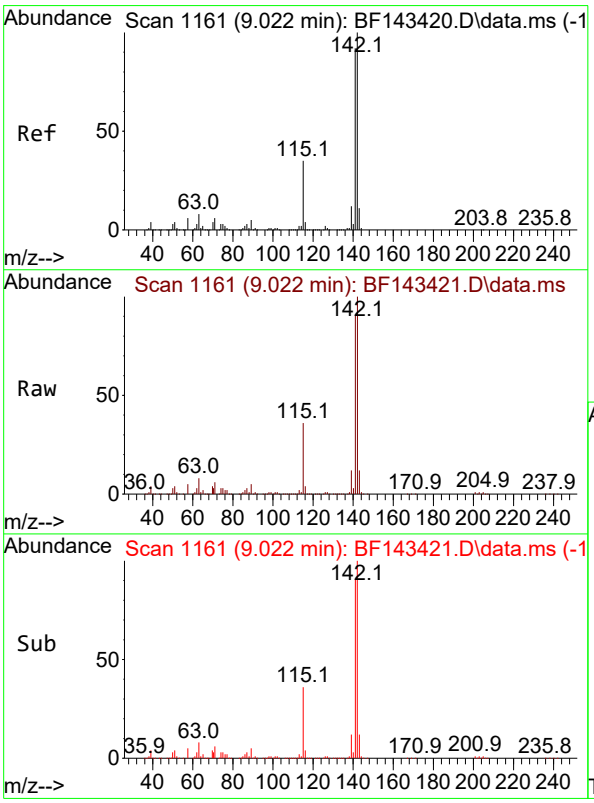
#37
2-Methylnaphthalene
Concen: 46.270 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 742483

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5

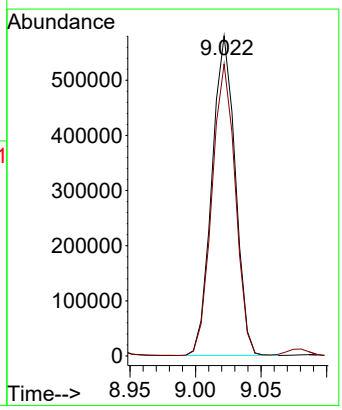


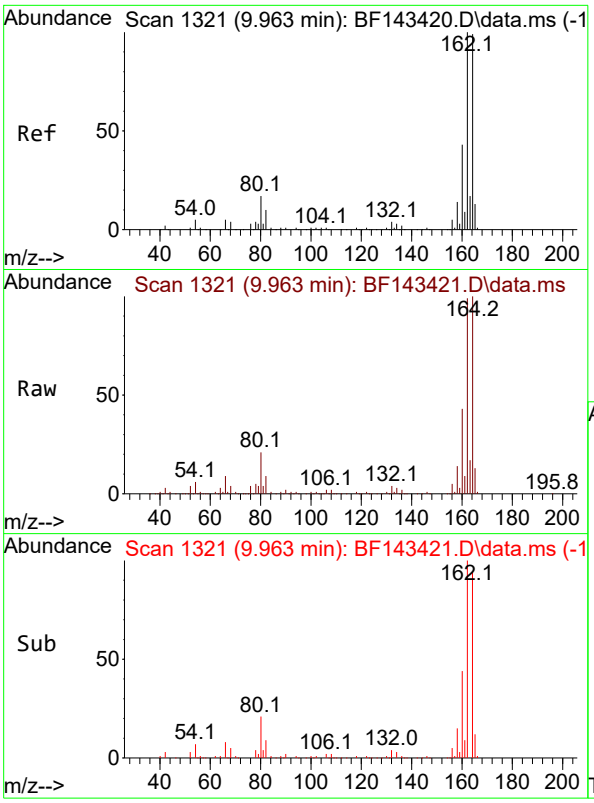


#38
1-Methylnaphthalene
Concen: 46.612 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:142 Resp: 716623

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.8	110.6



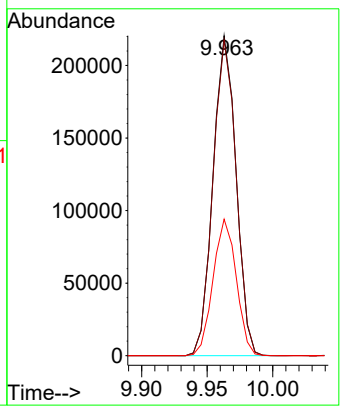


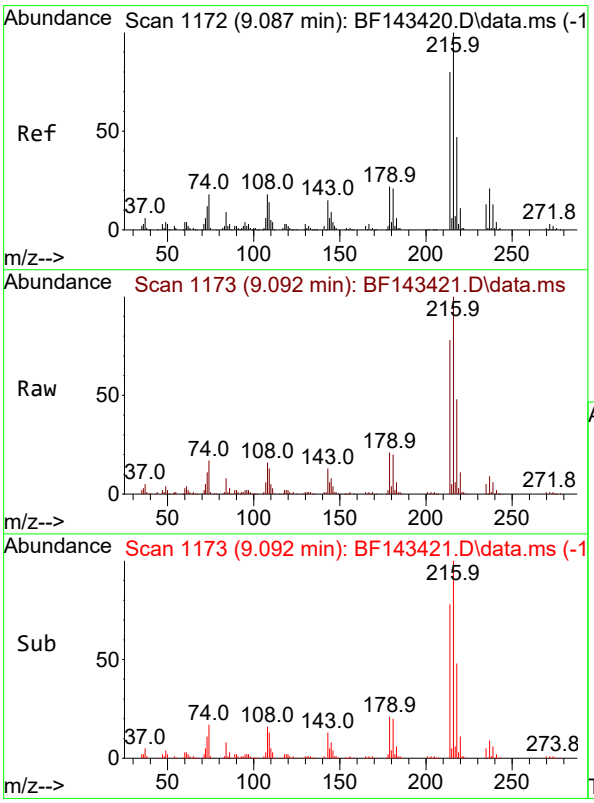
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 269402

Ion	Ratio	Lower	Upper
164	100		
162	98.6	80.6	121.0
160	42.7	34.6	51.8

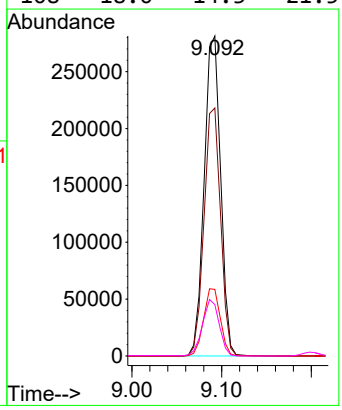


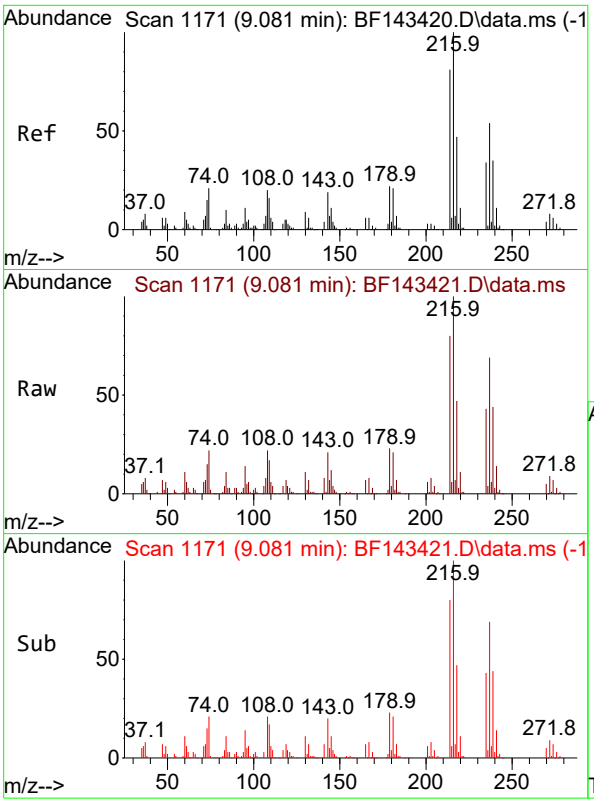


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.670 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:216 Resp: 358160

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.7	95.5
179	21.3	17.0	25.4
108	18.0	14.3	21.5



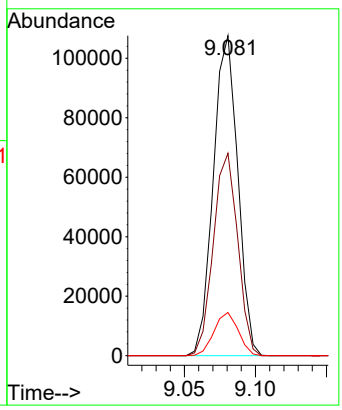


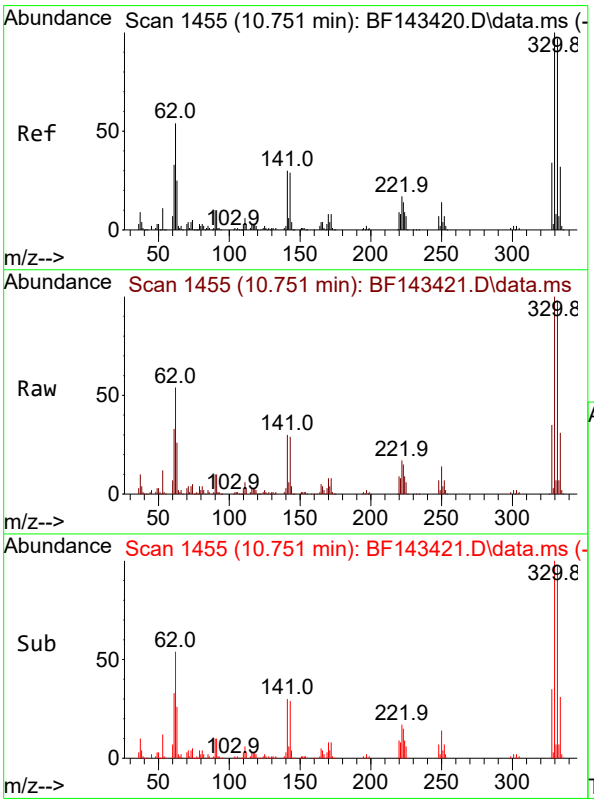
#41
Hexachlorocyclopentadiene
Concen: 49.794 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 129004

Ion	Ratio	Lower	Upper
237	100		
235	63.2	41.6	81.6
272	13.5	0.0	33.8

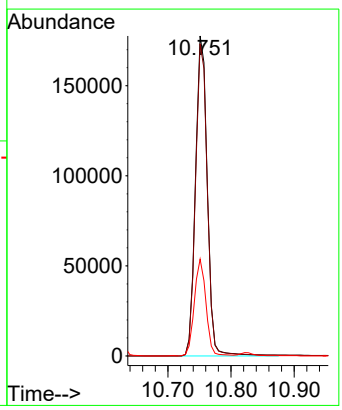


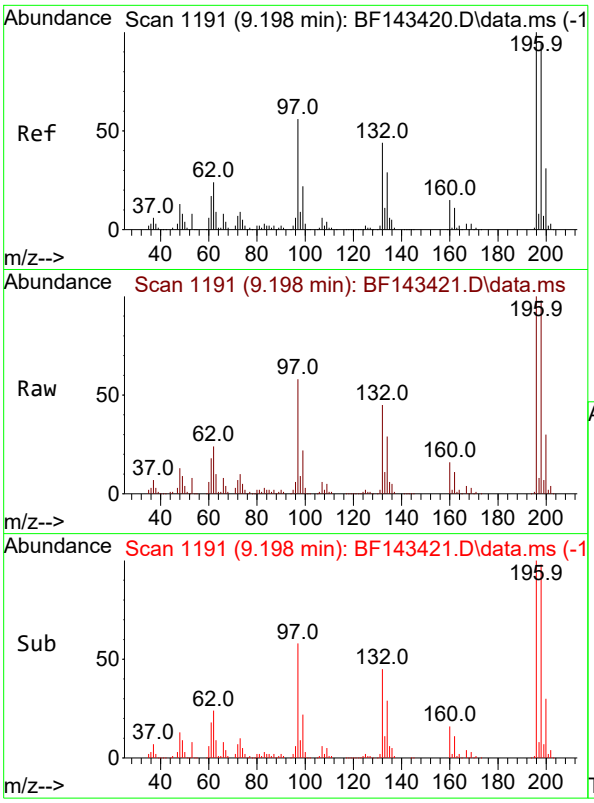


#42
2,4,6-Tribromophenol
Concen: 96.140 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:330 Resp: 230532

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.2
141	29.9	24.1	36.1



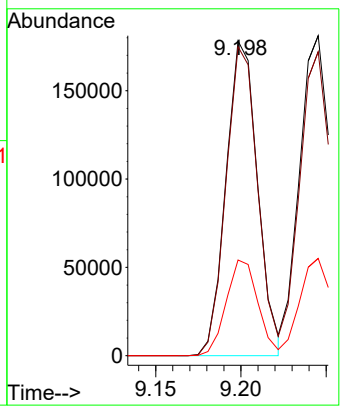


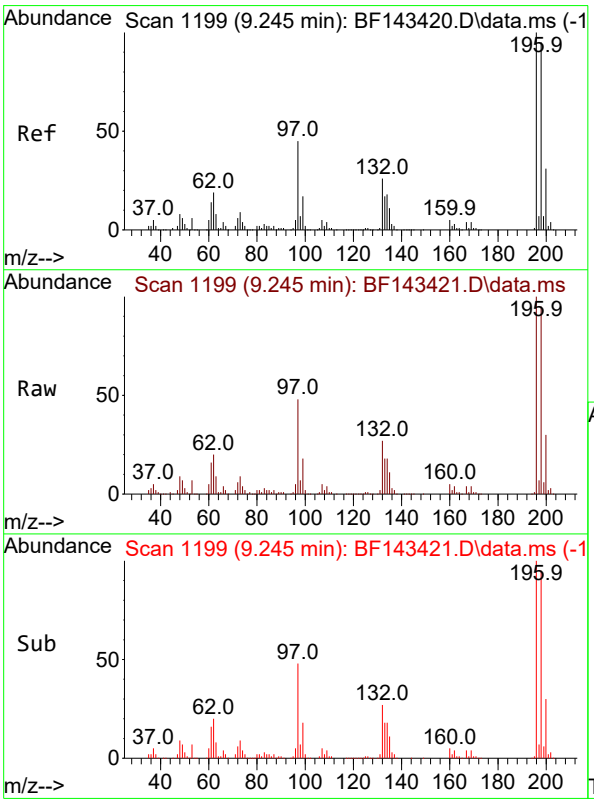
#43
2,4,6-Trichlorophenol
Concen: 49.030 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 229793

Ion	Ratio	Lower	Upper
196	100		
198	98.2	75.4	113.2
200	30.4	24.7	37.1

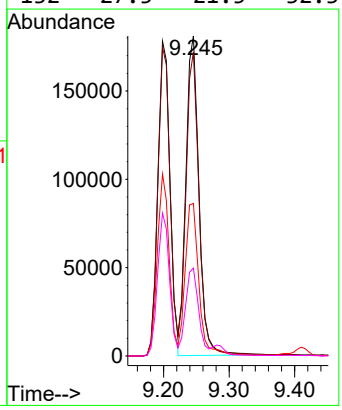


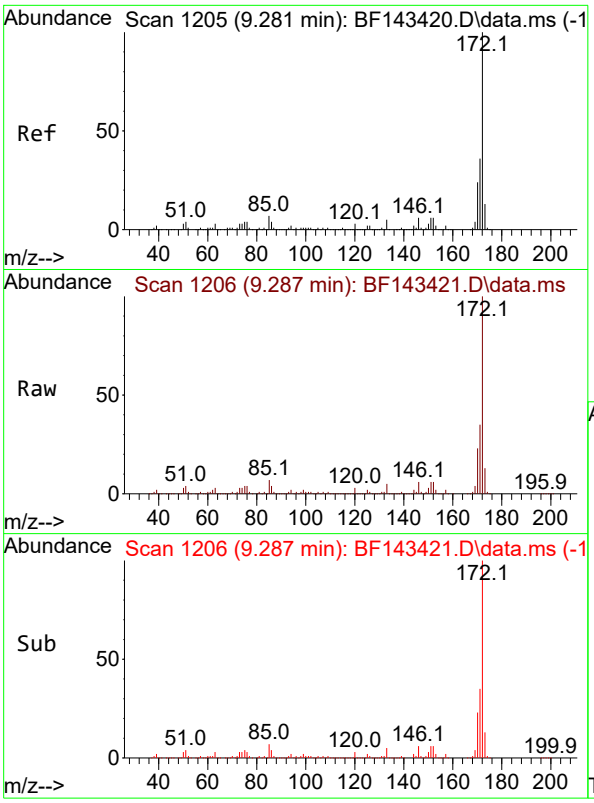


#44
2,4,5-Trichlorophenol
Concen: 49.630 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:196 Resp: 249336

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.2	114.4
97	47.7	36.6	55.0
132	27.5	21.5	32.3



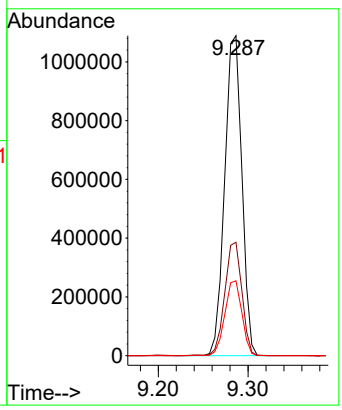


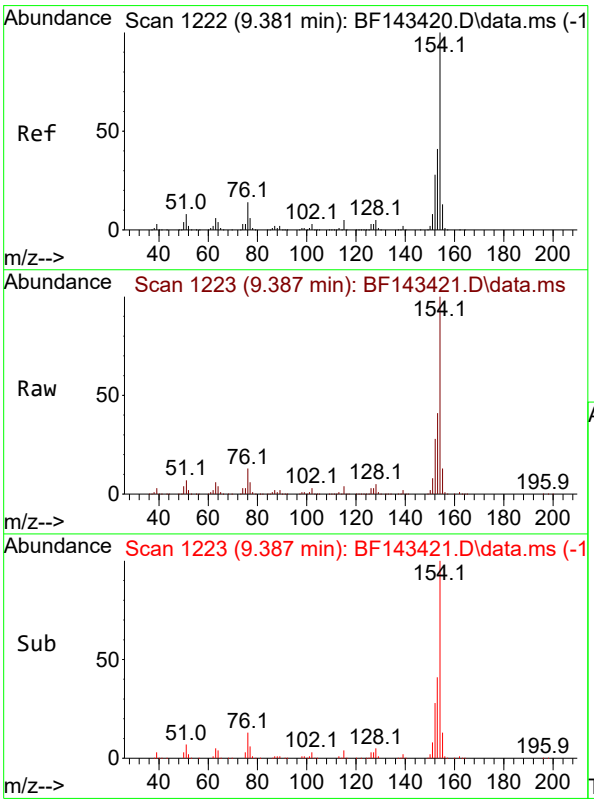
#45
2-Fluorobiphenyl
Concen: 90.305 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1446406

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.4	19.0	28.6

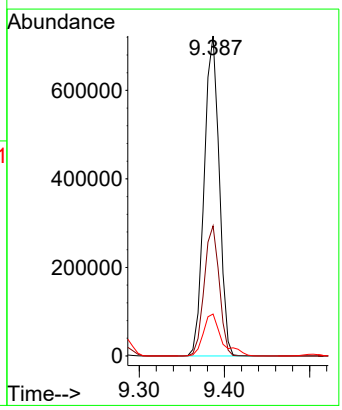


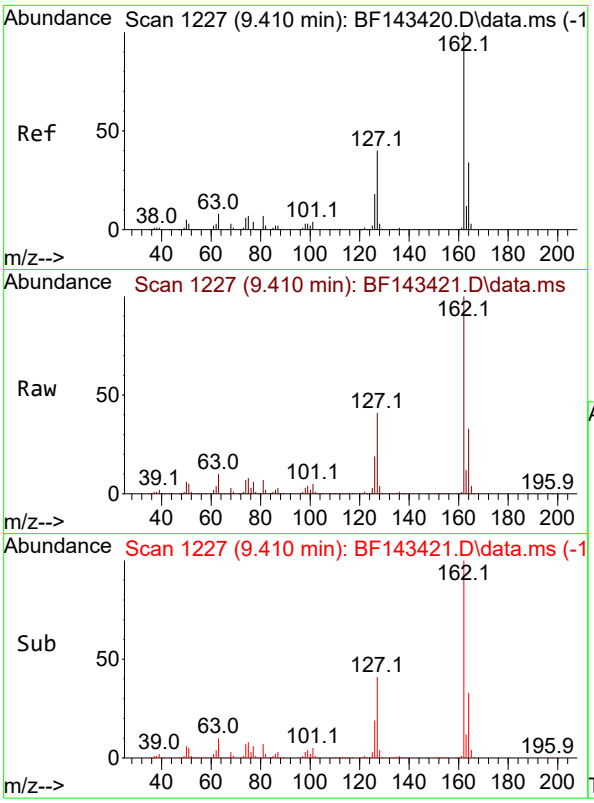


#46
1,1'-Biphenyl
Concen: 46.828 ng
RT: 9.387 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:154 Resp: 886393

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	13.1	0.0	33.8



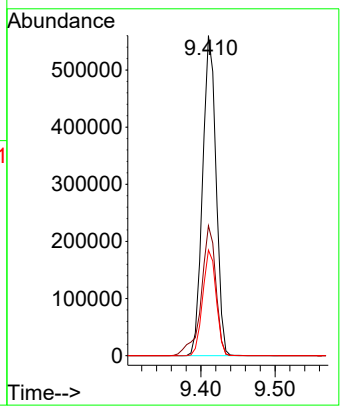


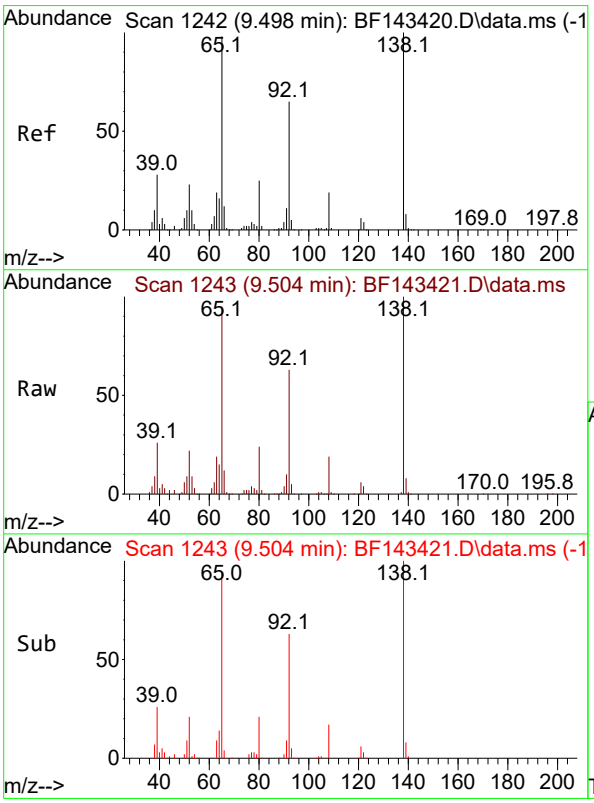
#47
2-Chloronaphthalene
Concen: 47.289 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 706570

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.3	48.5
164	33.0	26.9	40.3

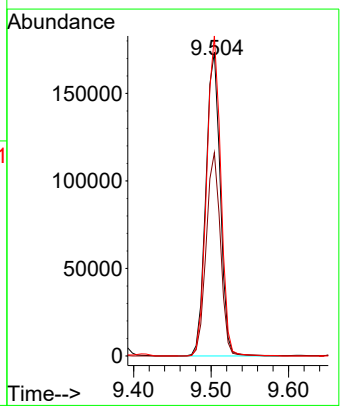


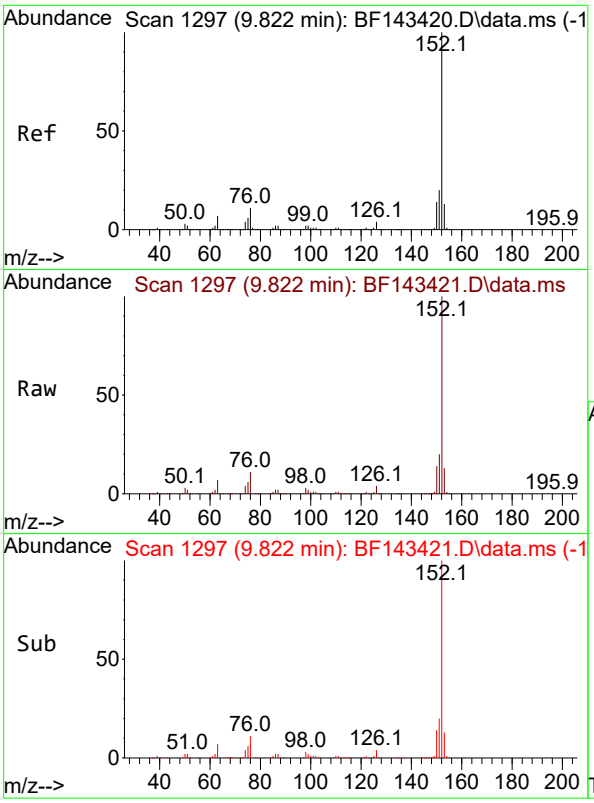


#48
2-Nitroaniline
Concen: 50.274 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 65 Resp: 223540

Ion	Ratio	Lower	Upper
65	100		
92	66.9	52.9	79.3
138	105.4	81.3	121.9



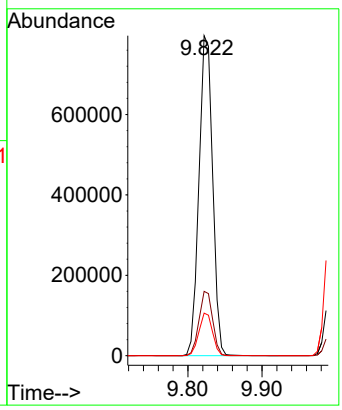


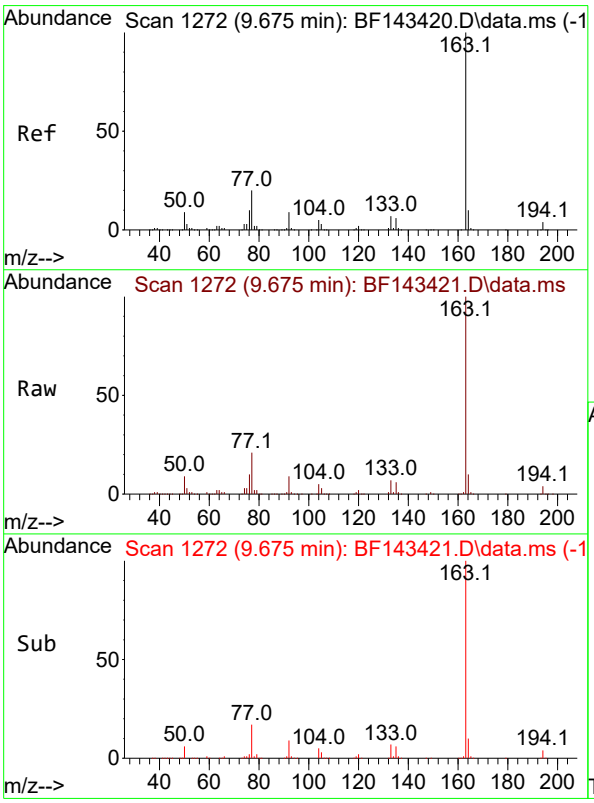
#49
Acenaphthylene
Concen: 47.421 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1023016

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.3	10.8	16.2

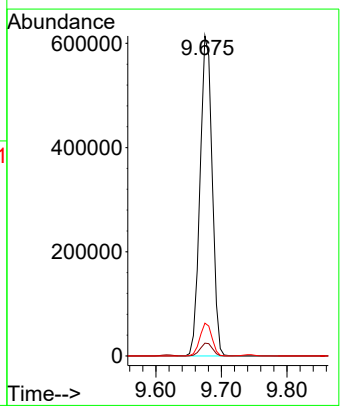


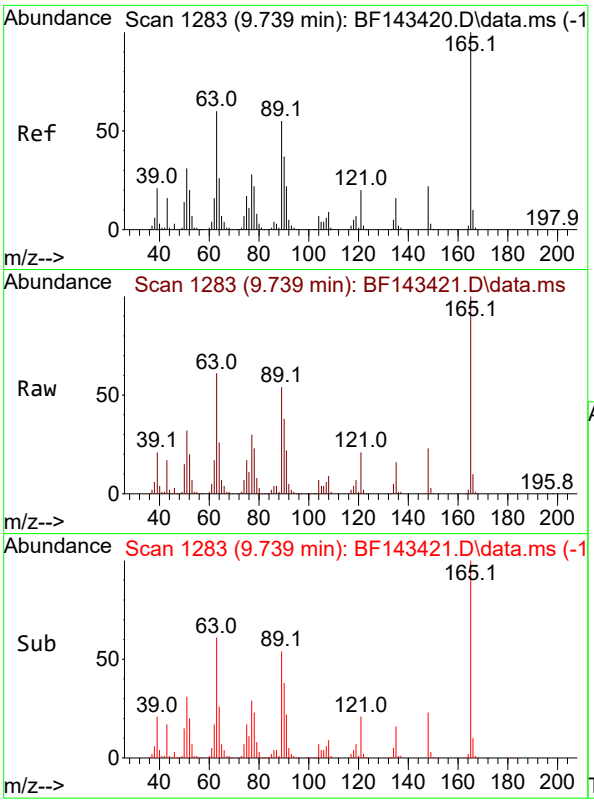


#50
Dimethylphthalate
Concen: 47.261 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:163 Resp: 793803

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.3	8.2	12.4



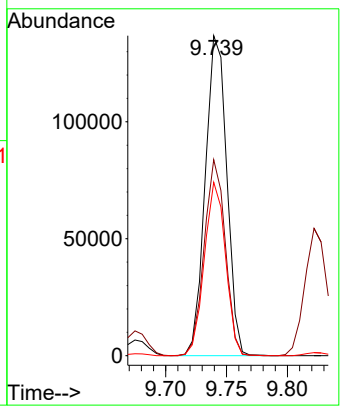


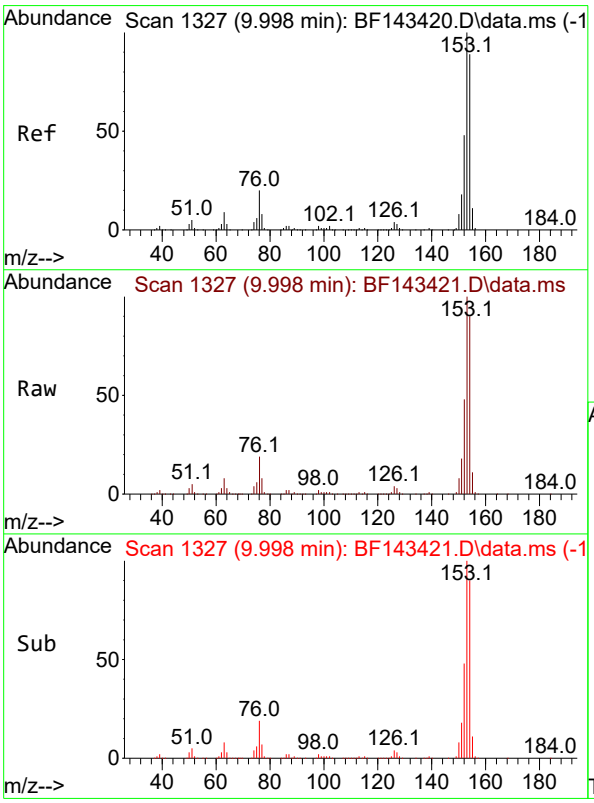
#51
2,6-Dinitrotoluene
Concen: 50.849 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 168362

Ion	Ratio	Lower	Upper
165	100		
63	61.3	48.2	72.2
89	54.2	44.2	66.2

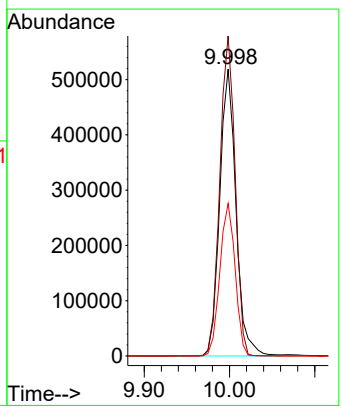


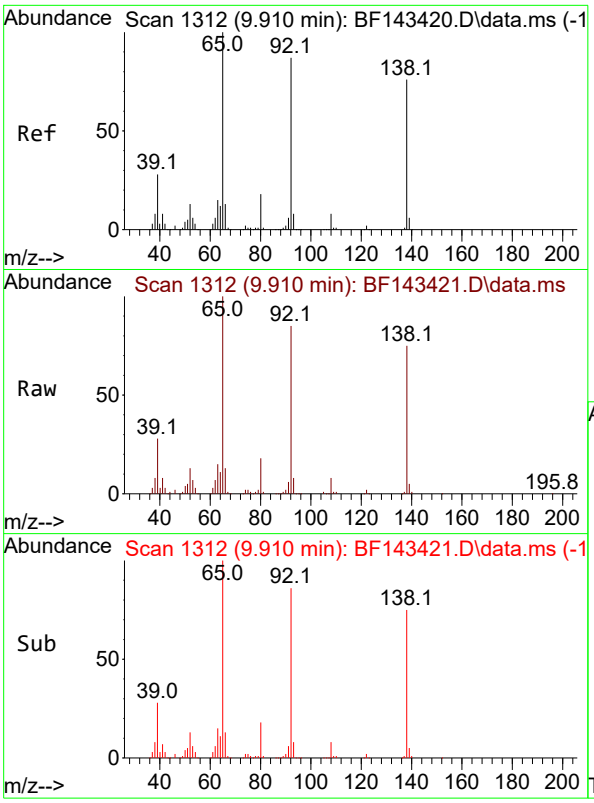


#52
Acenaphthene
Concen: 47.284 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:154 Resp: 686068

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.5	134.3
152	53.2	42.6	64.0



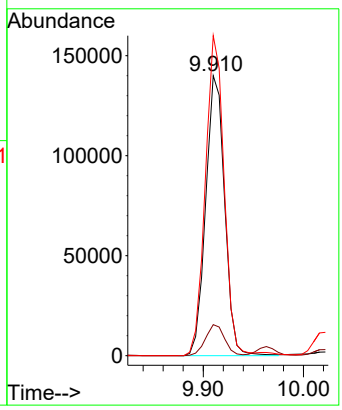


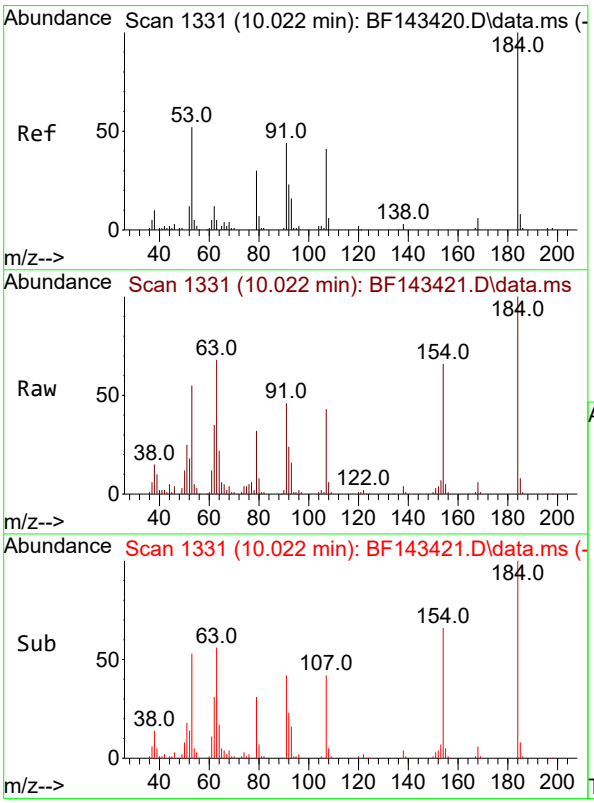
#53
3-Nitroaniline
Concen: 49.986 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 184361

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.7	13.1
92	114.3	91.4	137.2

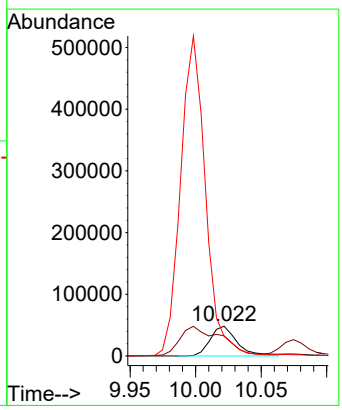


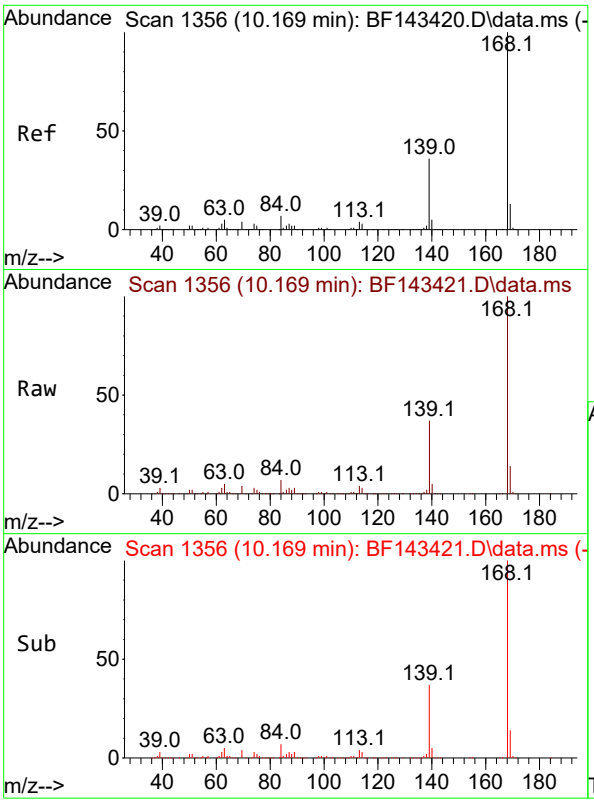


#54
2,4-Dinitrophenol
Concen: 47.214 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:184 Resp: 68752

Ion	Ratio	Lower	Upper
184	100		
63	67.7	53.2	79.8
154	65.7	51.3	76.9



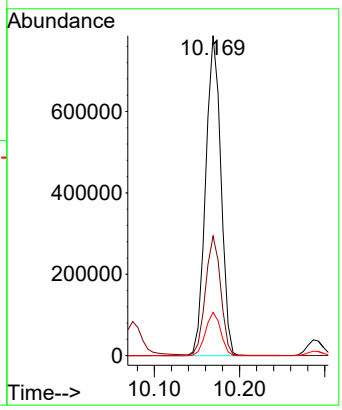


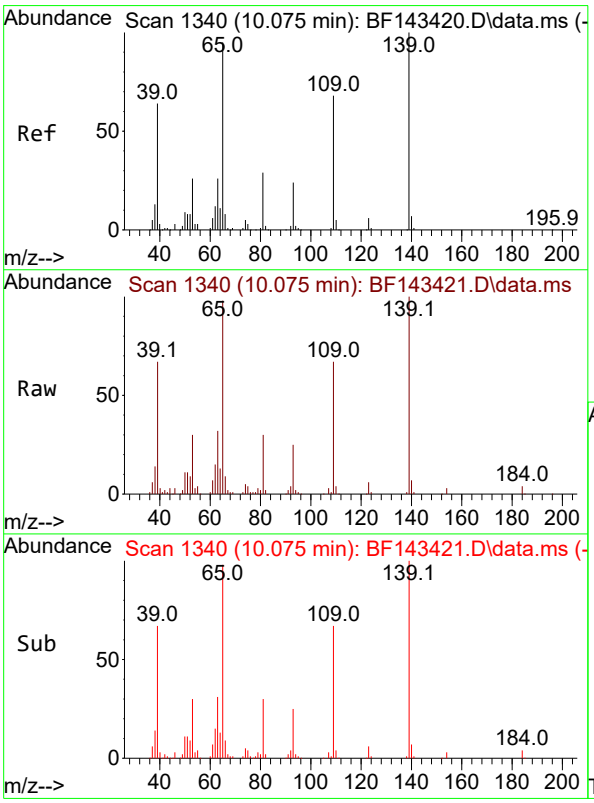
#55
Dibenzofuran
Concen: 46.545 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 974240

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.3	43.9
169	13.5	10.8	16.2

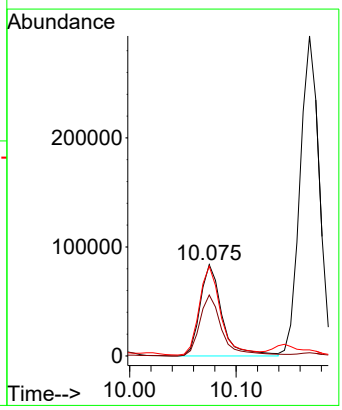


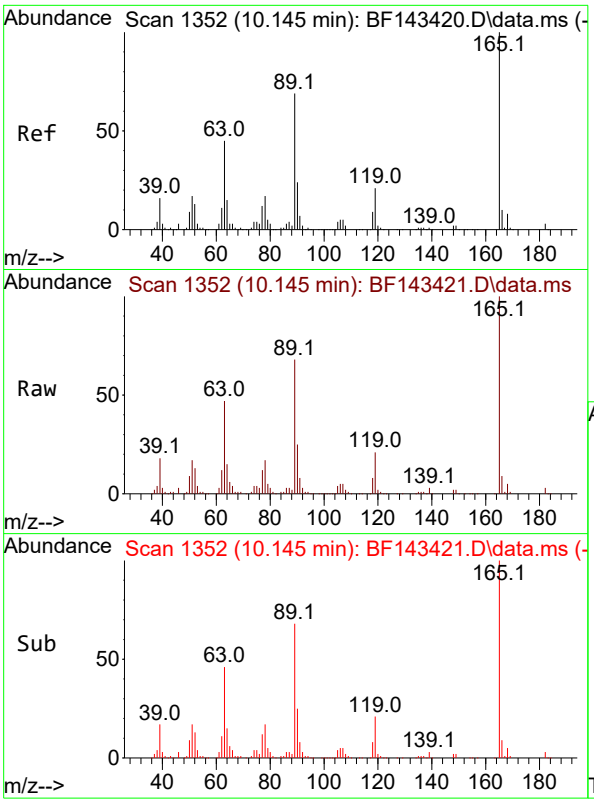


#56
4-Nitrophenol
Concen: 51.748 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:139 Resp: 119993

Ion	Ratio	Lower	Upper
139	100		
109	66.8	47.7	87.7
65	98.3	76.4	116.4



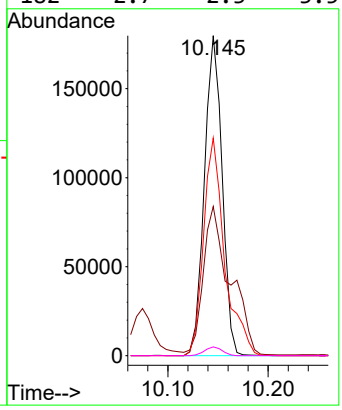


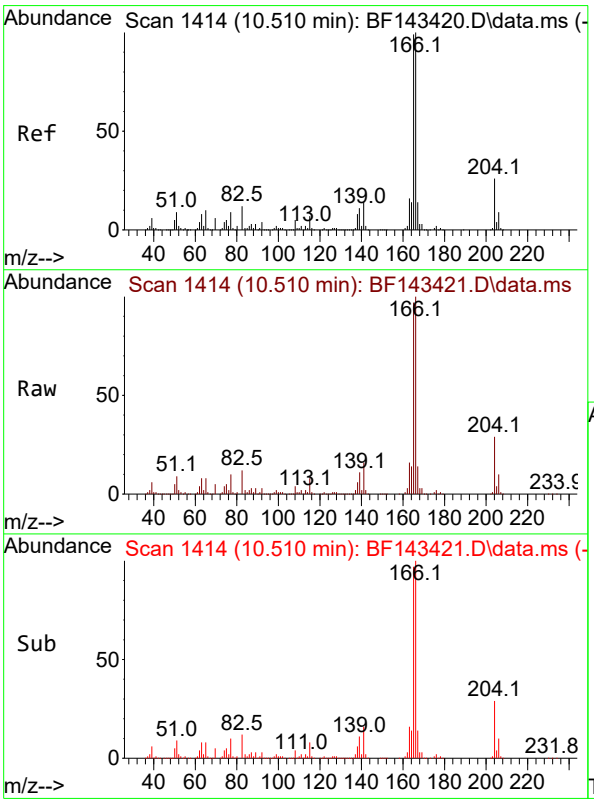
#57
2,4-Dinitrotoluene
Concen: 50.082 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 221081

Ion	Ratio	Lower	Upper
165	100		
63	46.6	37.0	55.6
89	68.0	55.4	83.0
182	2.7	2.3	3.5

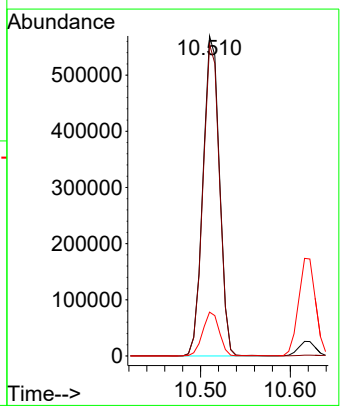


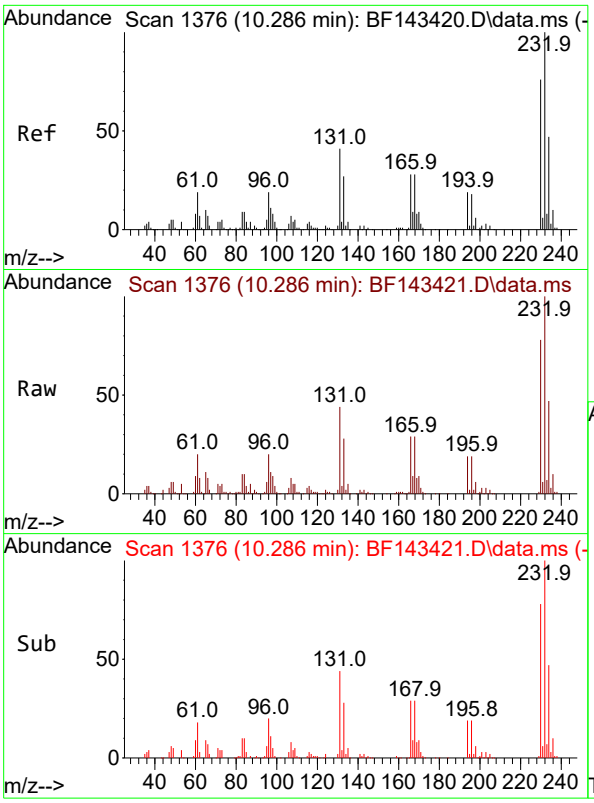


#58
Fluorene
Concen: 45.217 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:166 Resp: 727083

Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.0	118.6
167	13.7	10.9	16.3



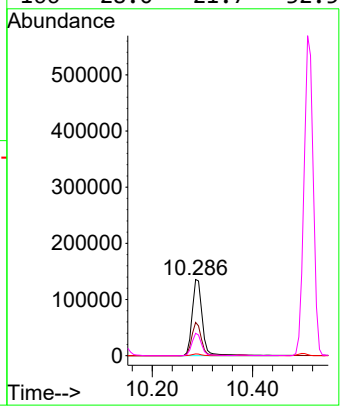


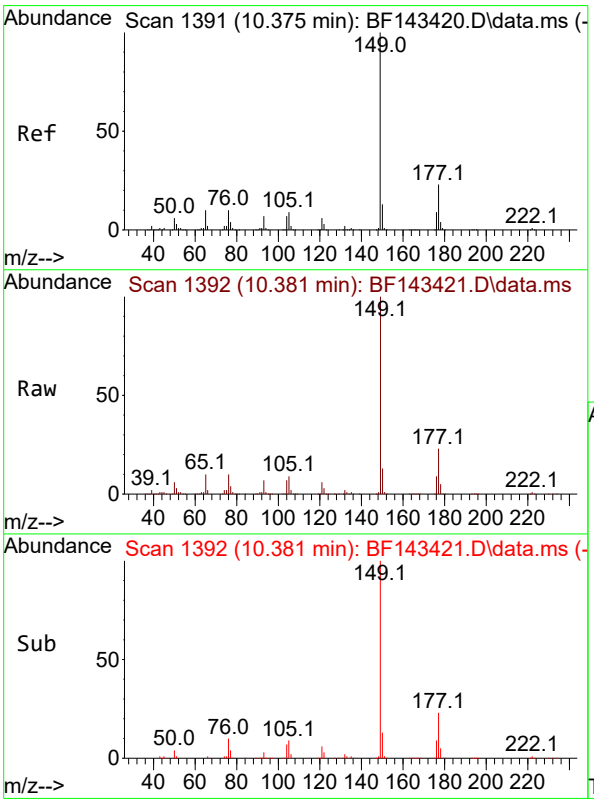
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.205 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 190929

Ion	Ratio	Lower	Upper
232	100		
131	41.3	32.0	48.0
130	2.1	1.7	2.5
166	28.0	21.7	32.5

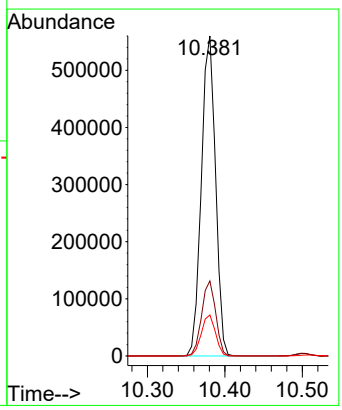


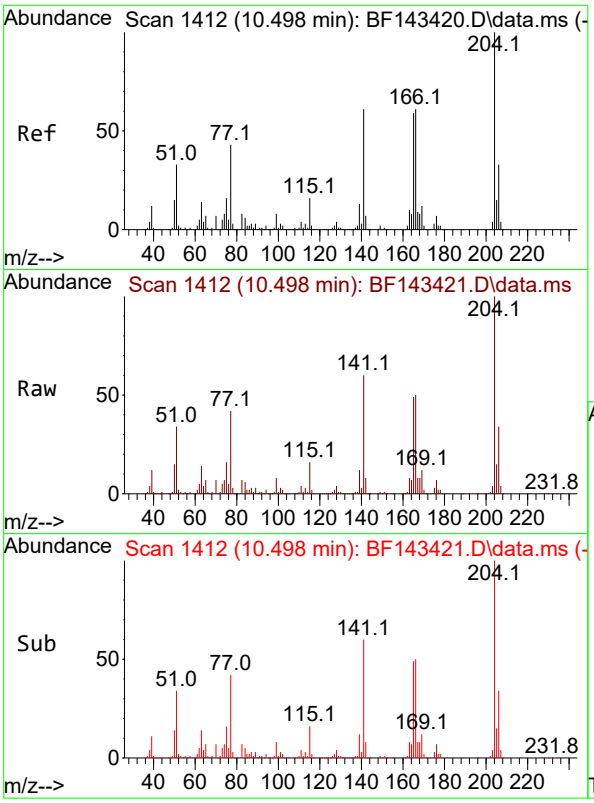


#60
Diethylphthalate
Concen: 45.793 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:149 Resp: 710763

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.4
150	12.8	10.1	15.1



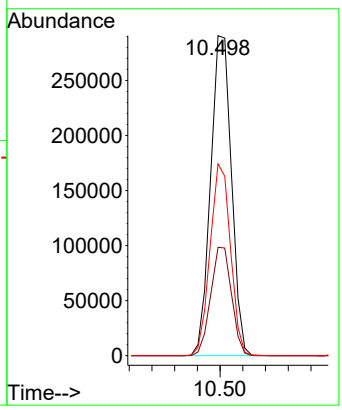


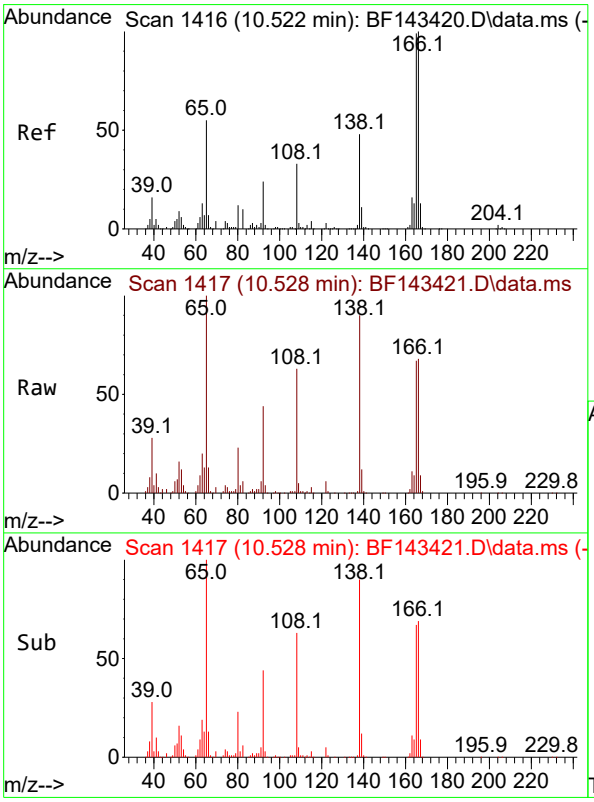
#61
4-Chlorophenyl-phenylether
Concen: 46.681 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 371115

Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.5	39.7
141	60.0	49.0	73.4

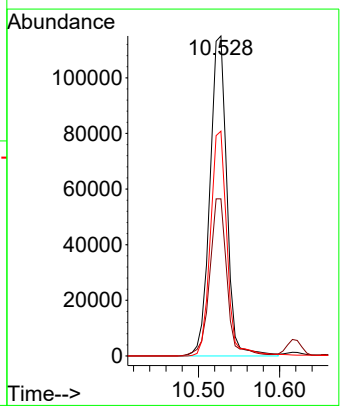


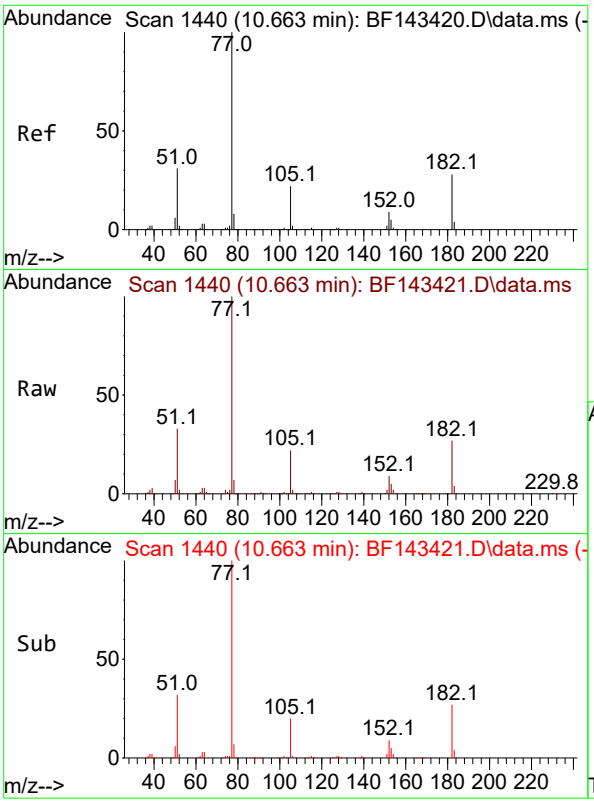


#62
4-Nitroaniline
Concen: 48.306 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:138 Resp: 166617

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.4	69.4
108	70.2	48.6	88.6



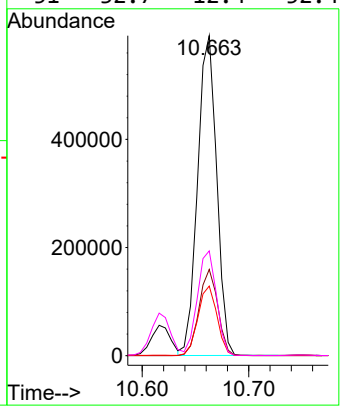


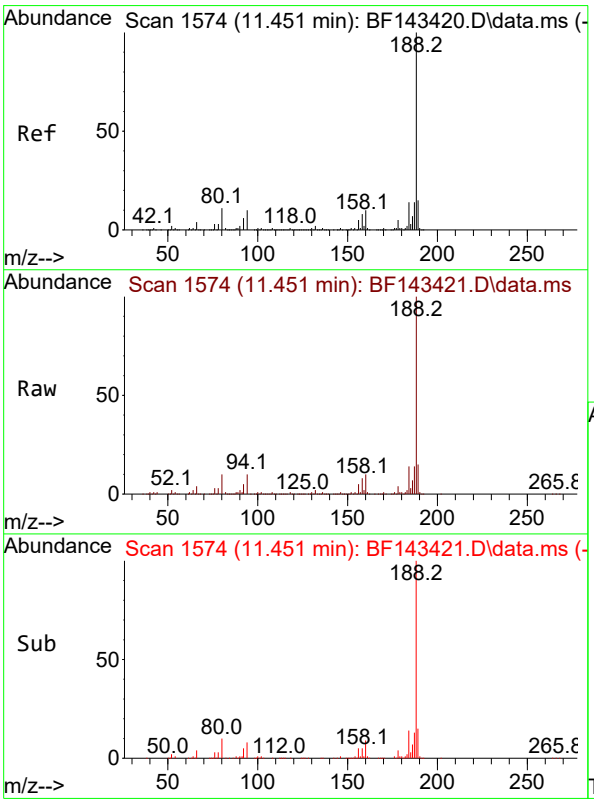
#63
Azobenzene
Concen: 46.957 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 736604

Ion	Ratio	Lower	Upper
77	100		
182	27.0	7.4	47.4
105	21.8	1.7	41.7
51	32.7	12.4	52.4

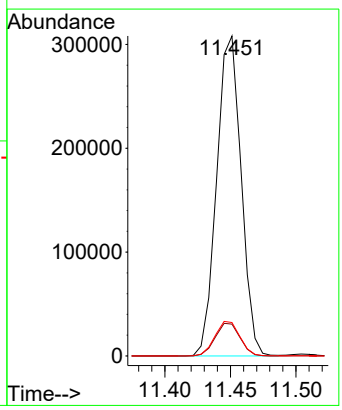


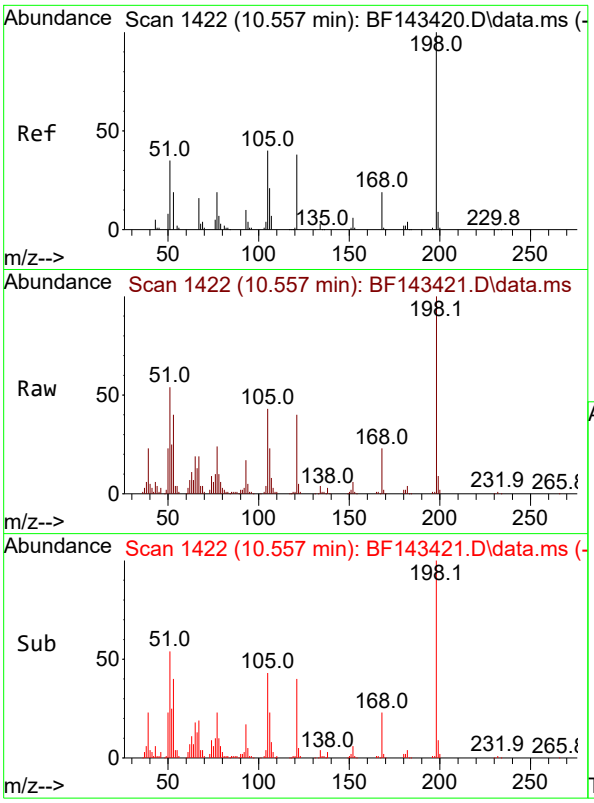


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:188 Resp: 399933

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.4	8.6	12.8



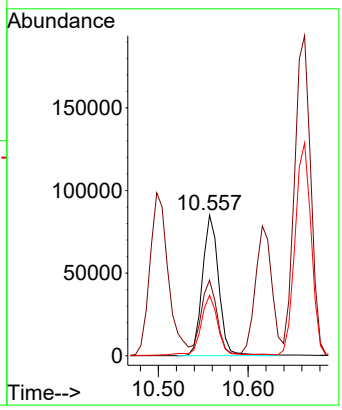


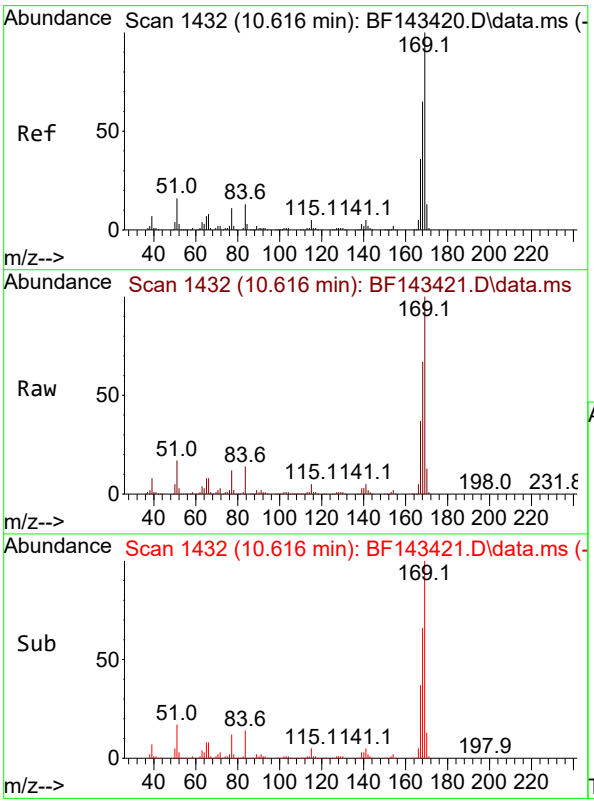
#65
4,6-Dinitro-2-methylphenol
Concen: 51.921 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 107140

Ion	Ratio	Lower	Upper
198	100		
51	53.8	31.2	71.2
105	43.1	21.7	61.7

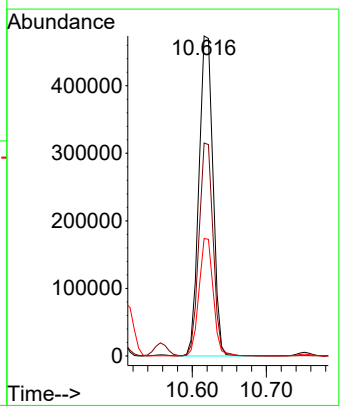


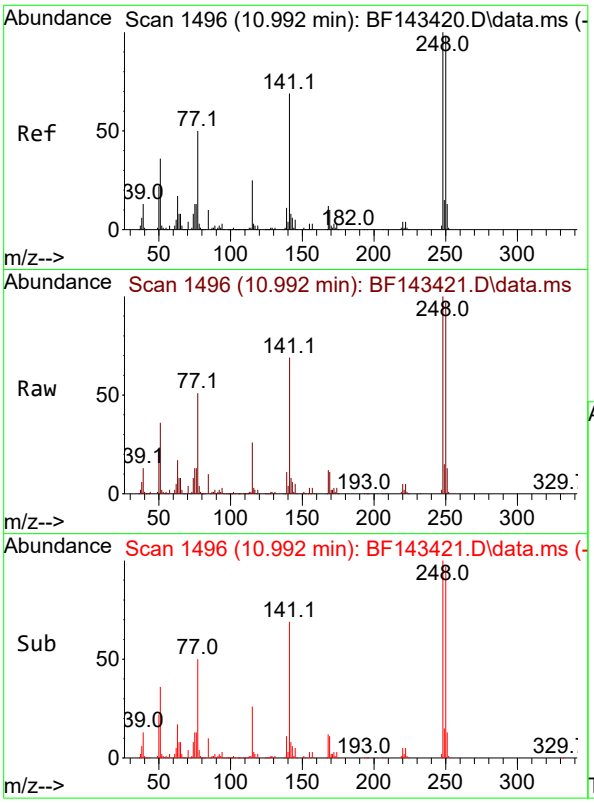


#66
n-Nitrosodiphenylamine
Concen: 47.953 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:169 Resp: 623583

Ion	Ratio	Lower	Upper
169	100		
168	66.5	52.5	78.7
167	36.7	28.6	42.8



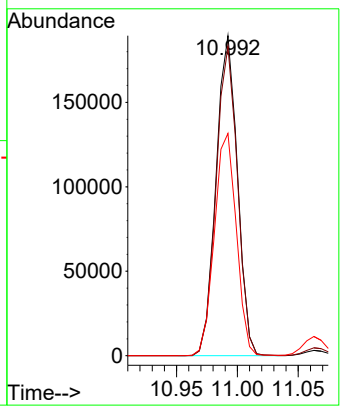


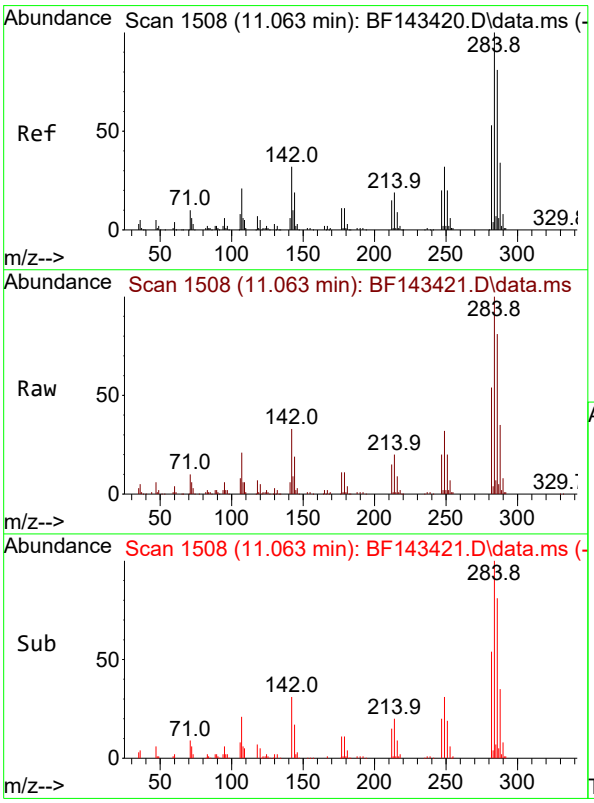
#67
4-Bromophenyl-phenylether
Concen: 49.109 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 231927

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.6	118.0
141	69.5	54.9	82.3

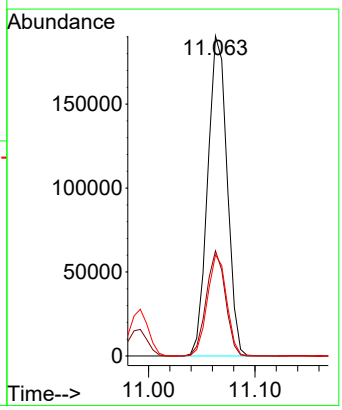


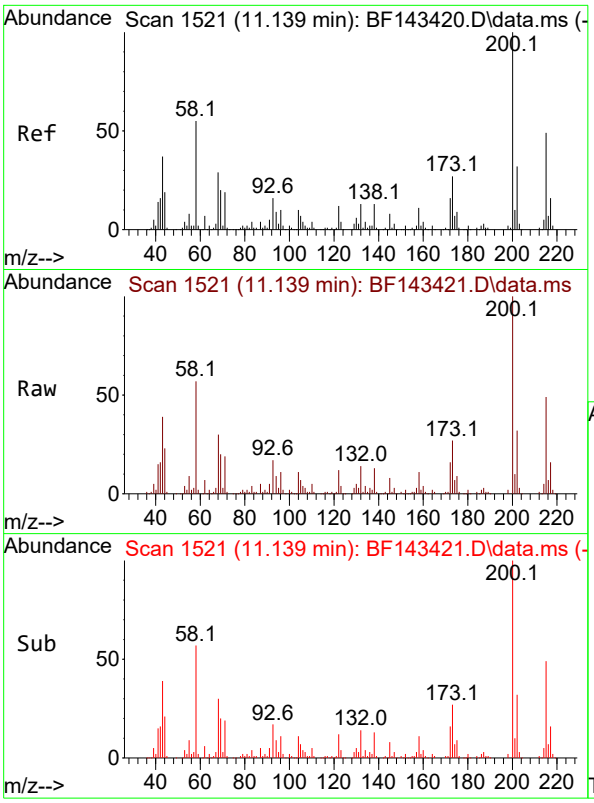


#68
Hexachlorobenzene
Concen: 48.135 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:284 Resp: 241672

Ion	Ratio	Lower	Upper
284	100		
142	32.9	25.4	38.2
249	31.6	25.4	38.0



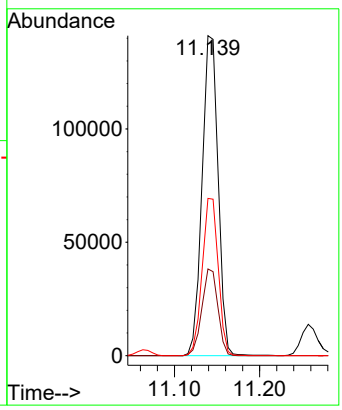


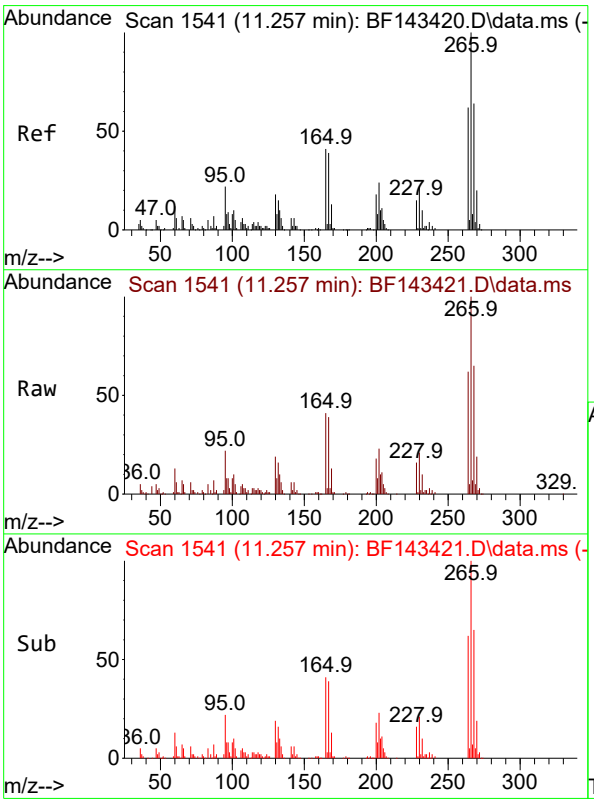
#69
Atrazine
Concen: 48.552 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 184670

Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.6	46.6
215	49.2	29.5	69.5

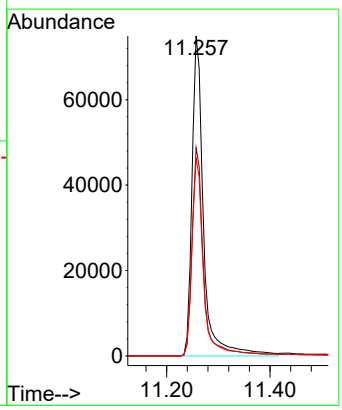


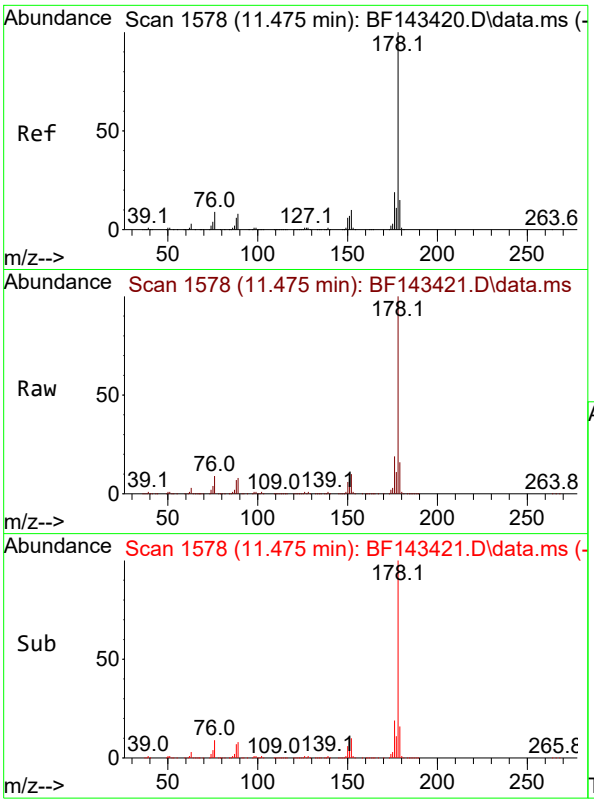


#70
Pentachlorophenol
Concen: 52.337 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:266 Resp: 116662

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.0	76.6
264	62.0	49.3	73.9



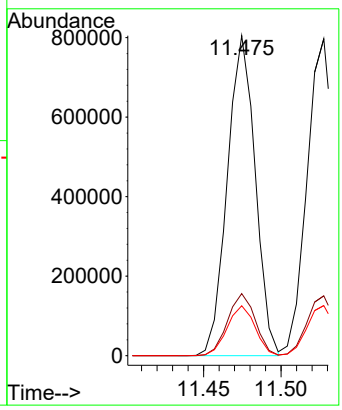


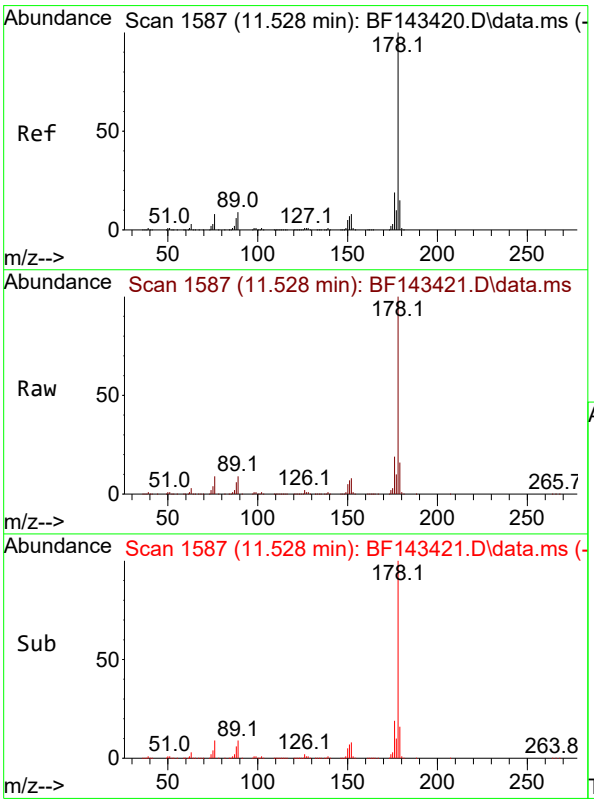
#71
Phenanthrene
Concen: 46.525 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1007589

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.6	12.3	18.5

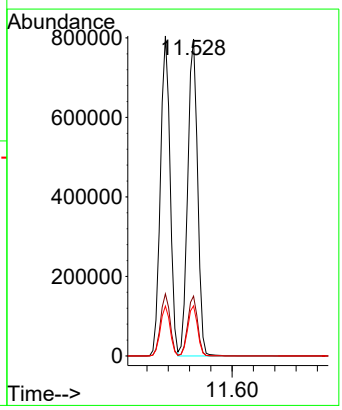


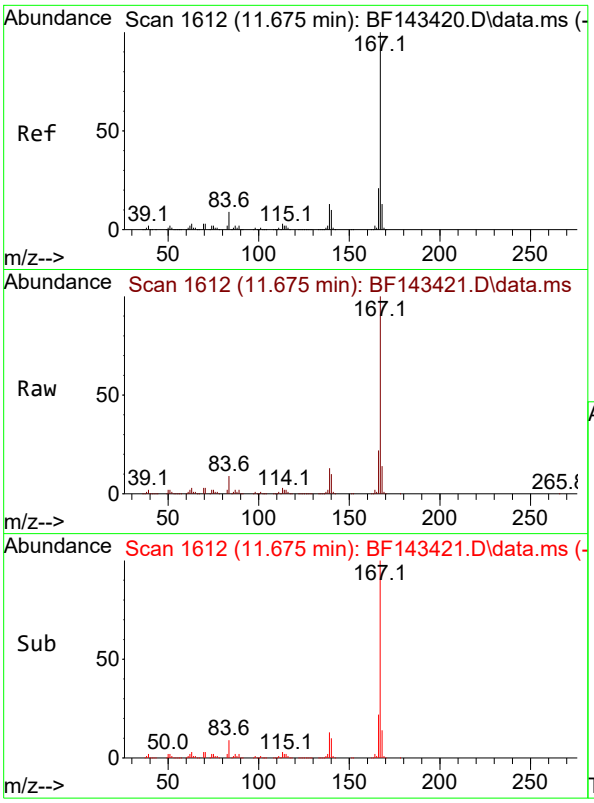


#72
Anthracene
Concen: 46.817 ng
RT: 11.528 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:178 Resp: 1024065

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.8	12.2	18.4



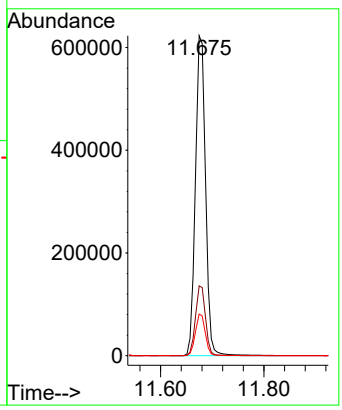


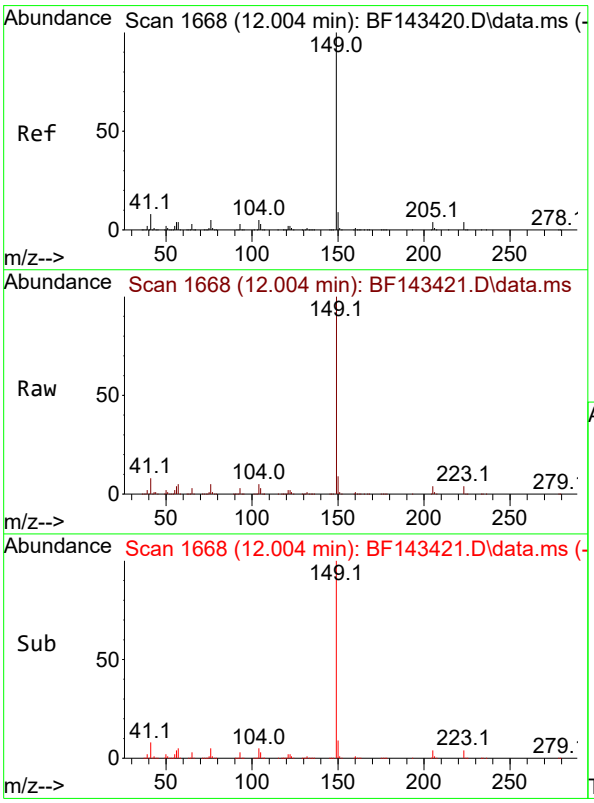
#73
Carbazole
Concen: 45.888 ng
RT: 11.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 848940

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	13.0	10.1	15.1

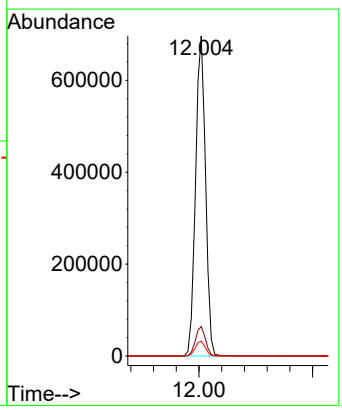


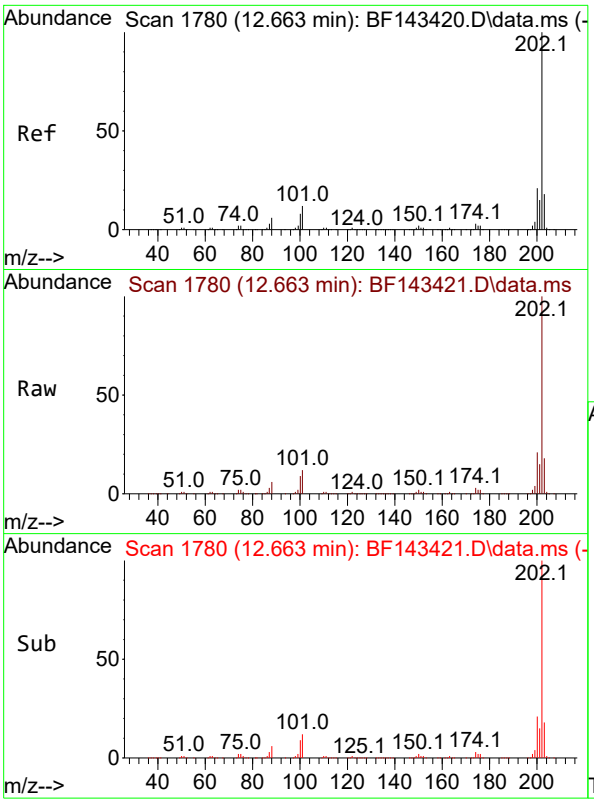


#74
Di-n-butylphthalate
Concen: 46.180 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:149 Resp: 850780

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.6	3.8	5.6



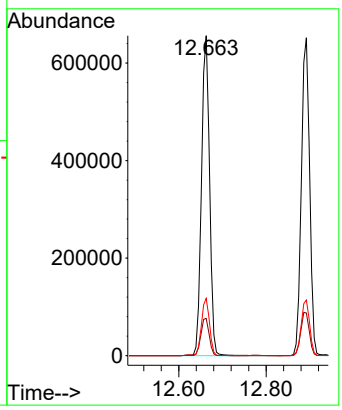


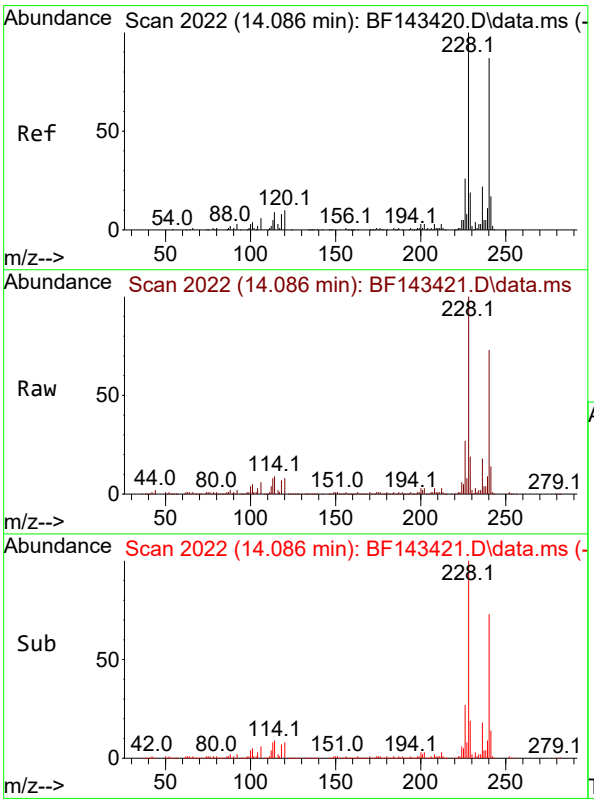
#75
Fluoranthene
Concen: 43.866 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 844131

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.5
203	17.9	0.0	37.5

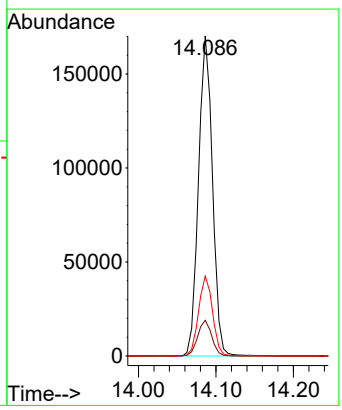


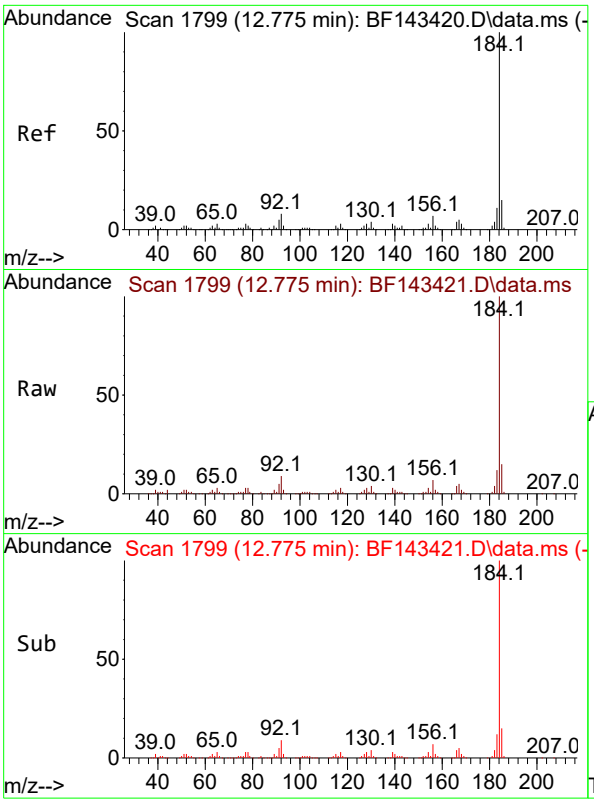


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:240 Resp: 212755

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.4
236	25.0	20.2	30.2



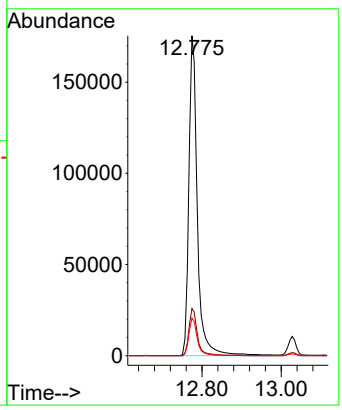


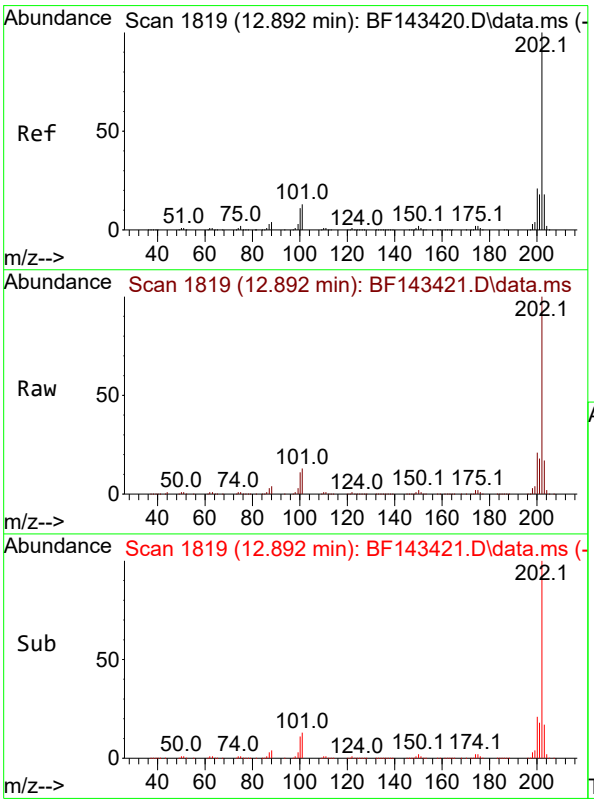
#77
Benzidine
Concen: 43.448 ng
RT: 12.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 261682

Ion	Ratio	Lower	Upper
184	100		
185	14.8	12.2	18.2
183	11.7	9.2	13.8

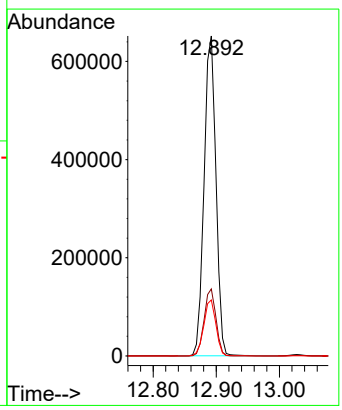


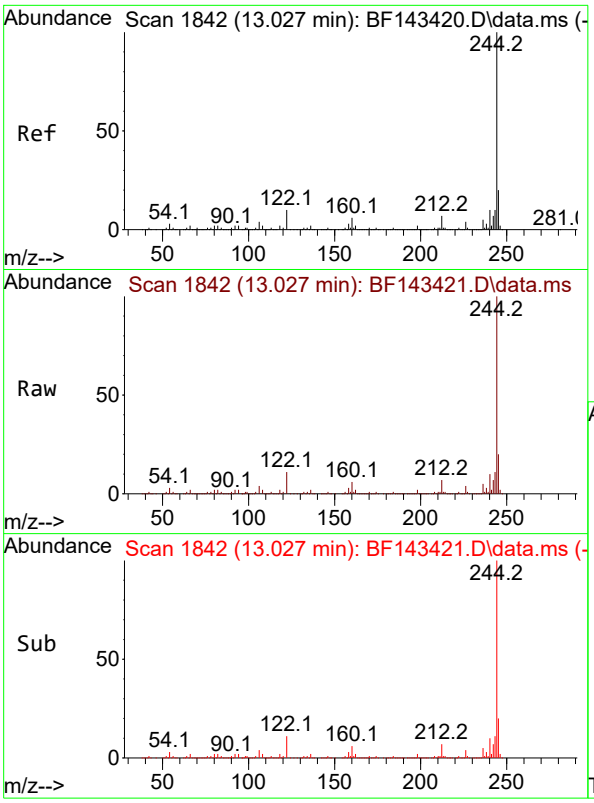


#78
Pyrene
Concen: 45.913 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:202 Resp: 849028

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.5	14.2	21.2



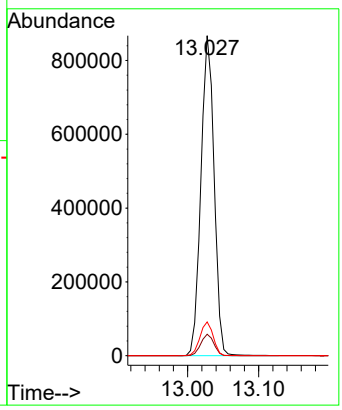


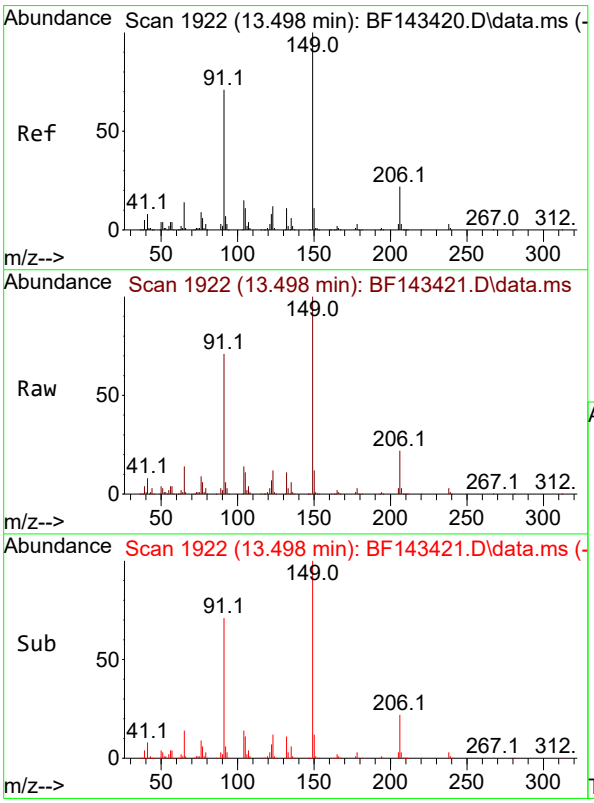
#79
Terphenyl-d14
Concen: 88.761 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1124159

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	10.6	8.3	12.5

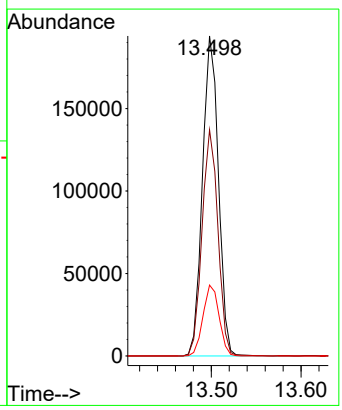


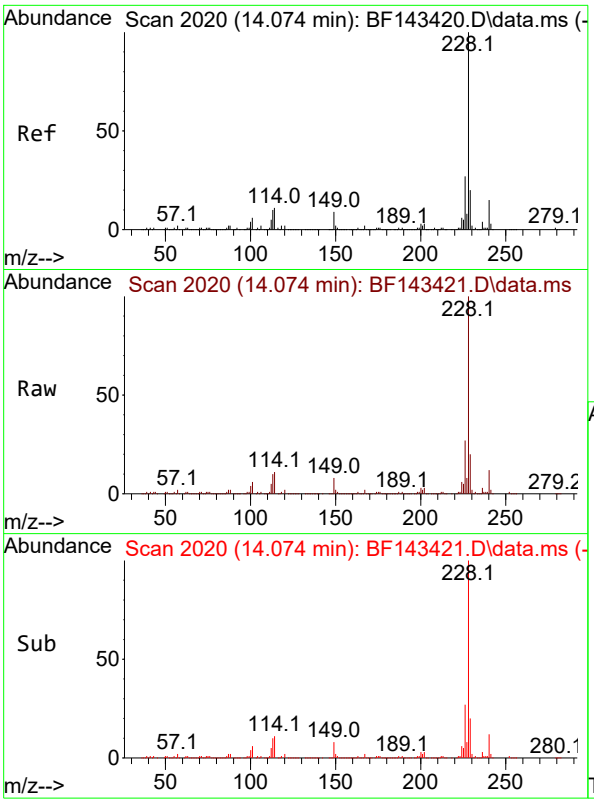


#80
Butylbenzylphthalate
Concen: 52.286 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:149 Resp: 239484

Ion	Ratio	Lower	Upper
149	100		
91	70.6	57.0	85.4
206	22.1	17.6	26.4



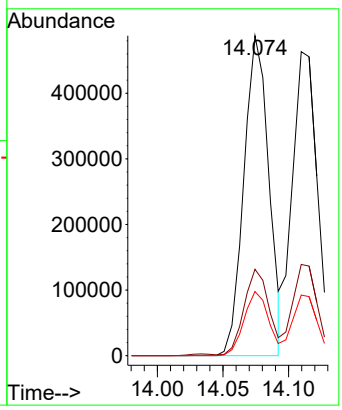


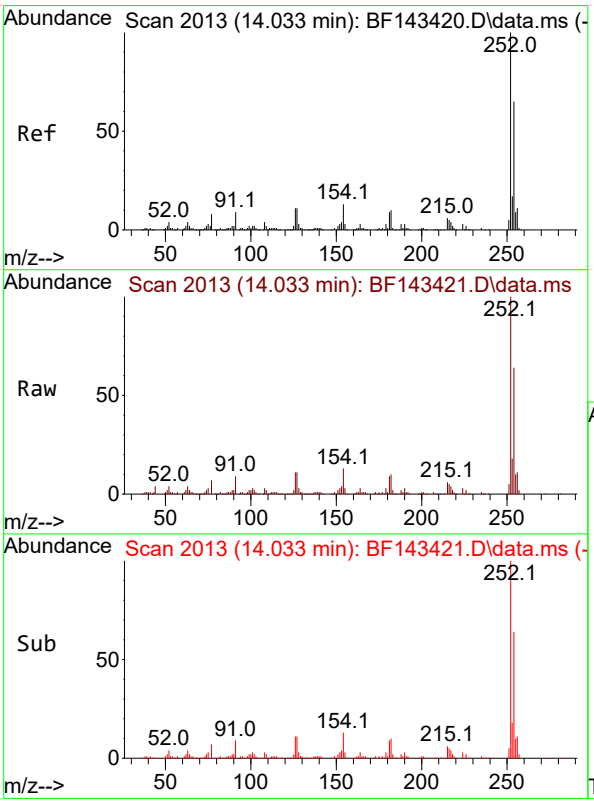
#81
Benzo(a)anthracene
Concen: 47.587 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 644570

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.5	32.3
229	20.0	15.7	23.5

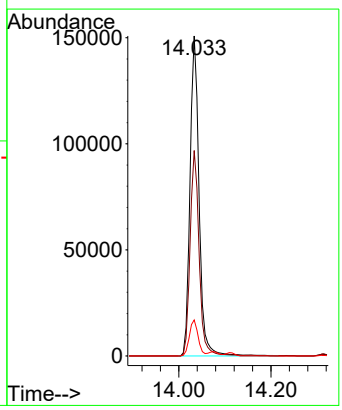


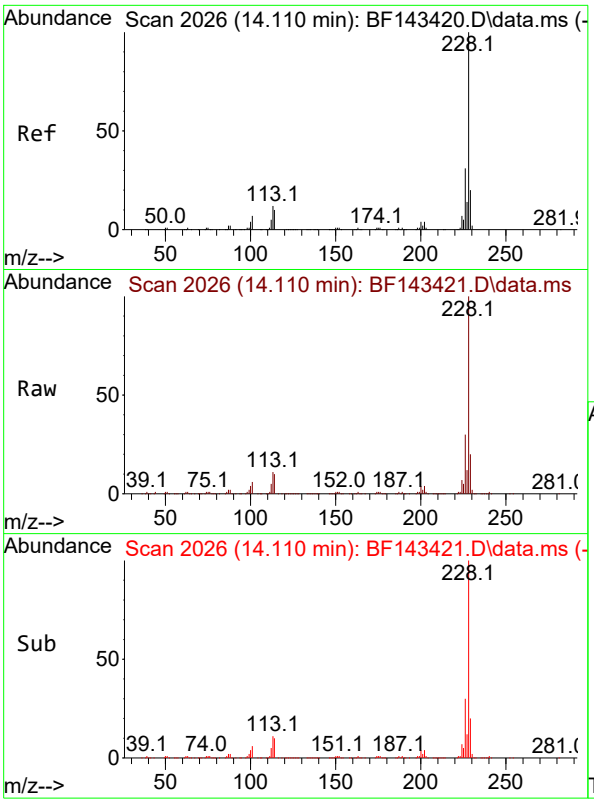


#82
3,3'-Dichlorobenzidine
Concen: 51.831 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:252 Resp: 205554

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.6	77.4
126	11.3	8.8	13.2



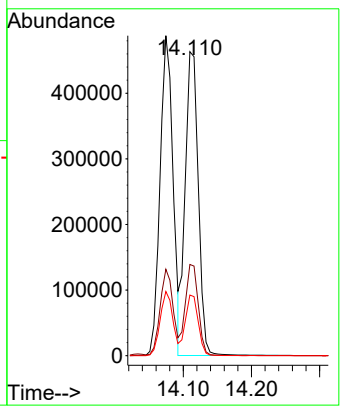


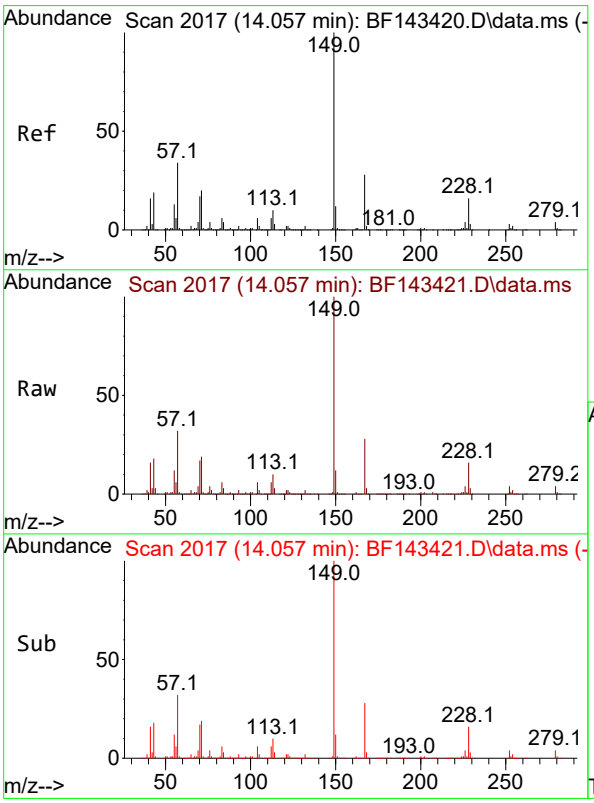
#83
Chrysene
Concen: 49.101 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 614856

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.9	16.1	24.1

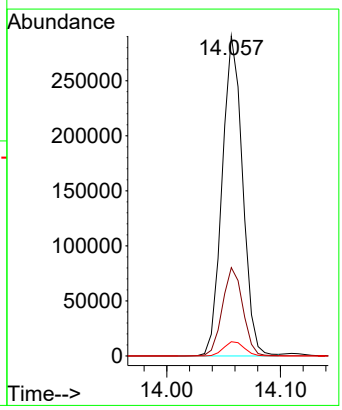


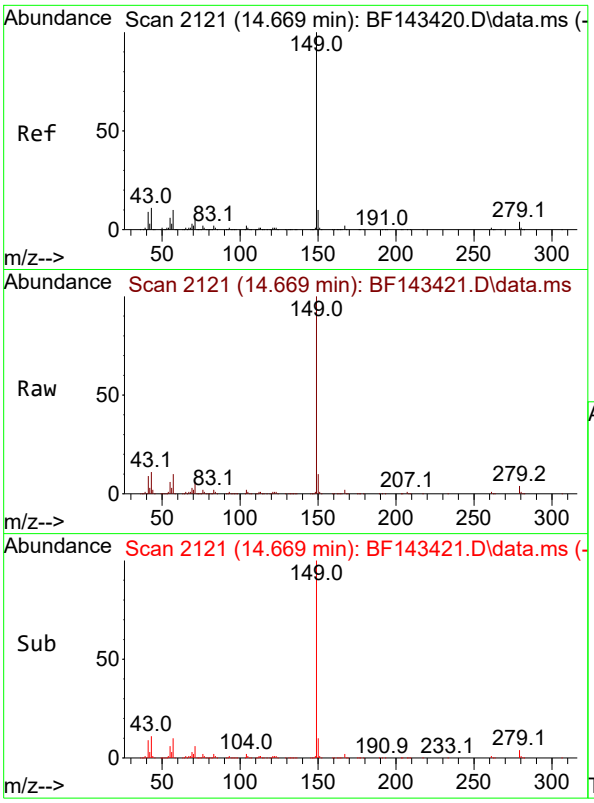


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.980 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:149 Resp: 364131

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.6	33.8
279	4.4	3.5	5.3



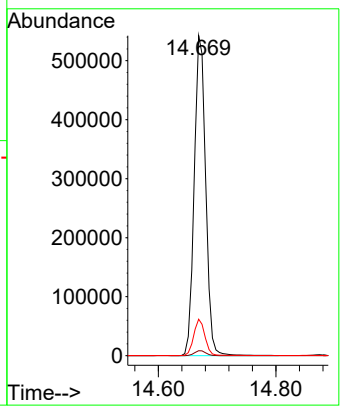


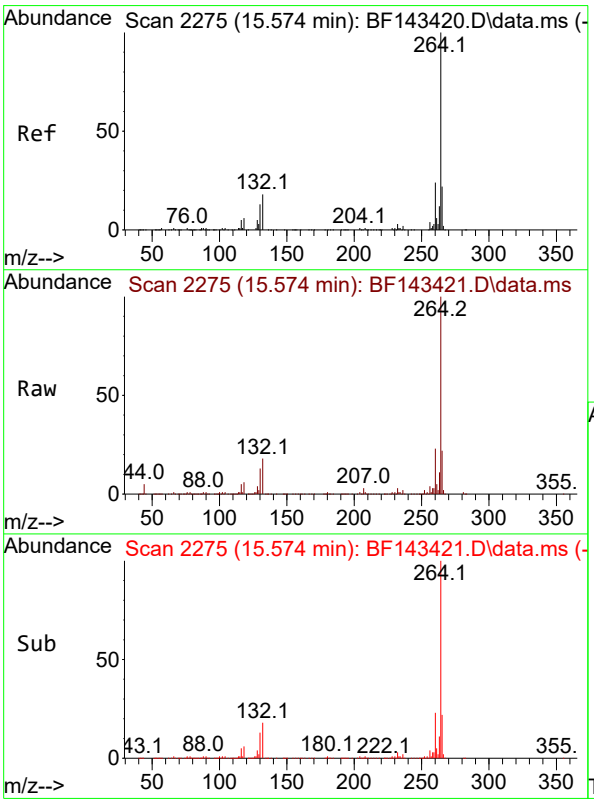
#85
Di-n-octyl phthalate
Concen: 55.599 ng
RT: 14.669 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 733517

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.1	9.0	13.6

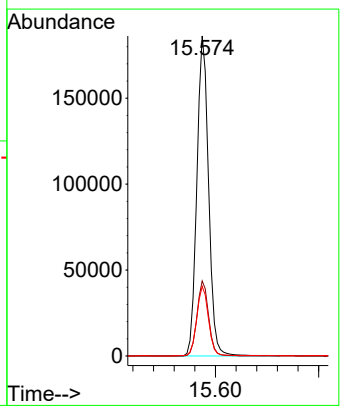


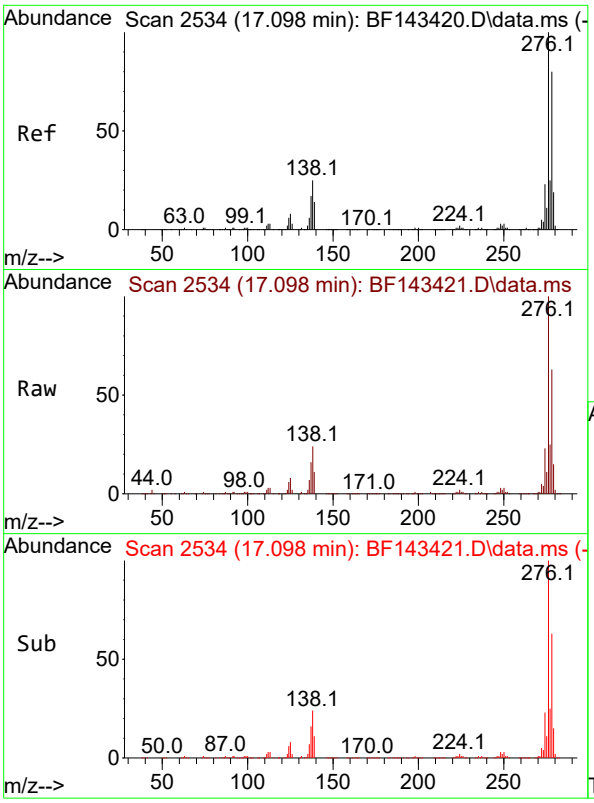


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:264 Resp: 292857

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.7	17.4	26.0



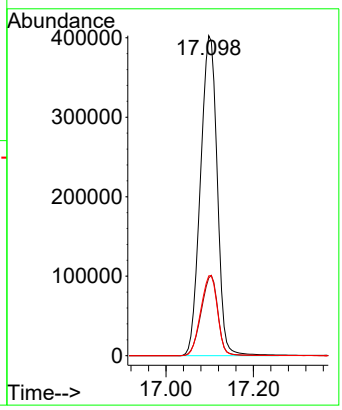


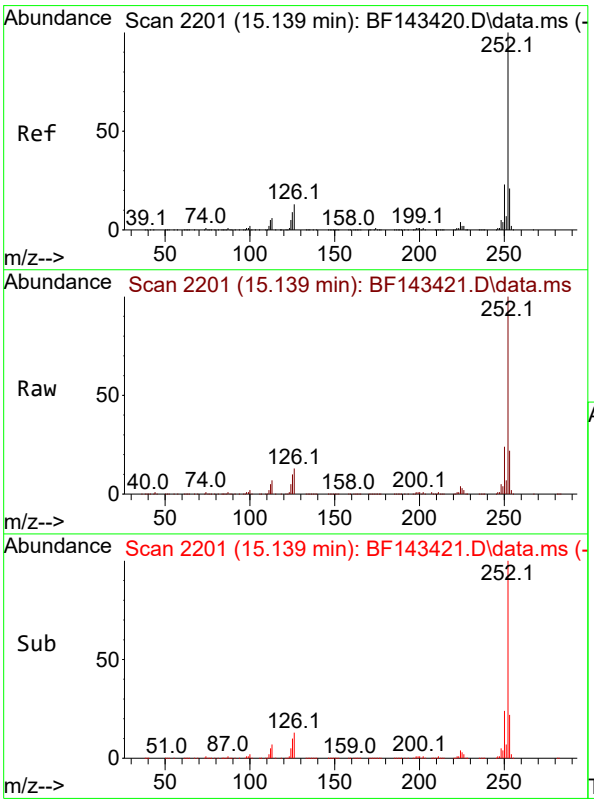
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.845 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1072706

Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.2	30.4
277	25.3	20.2	30.2

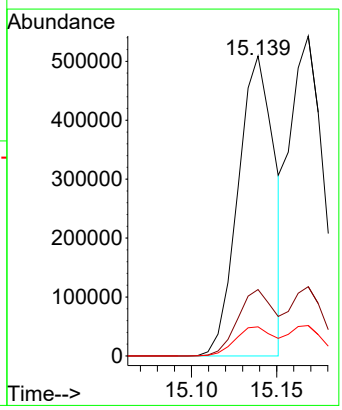


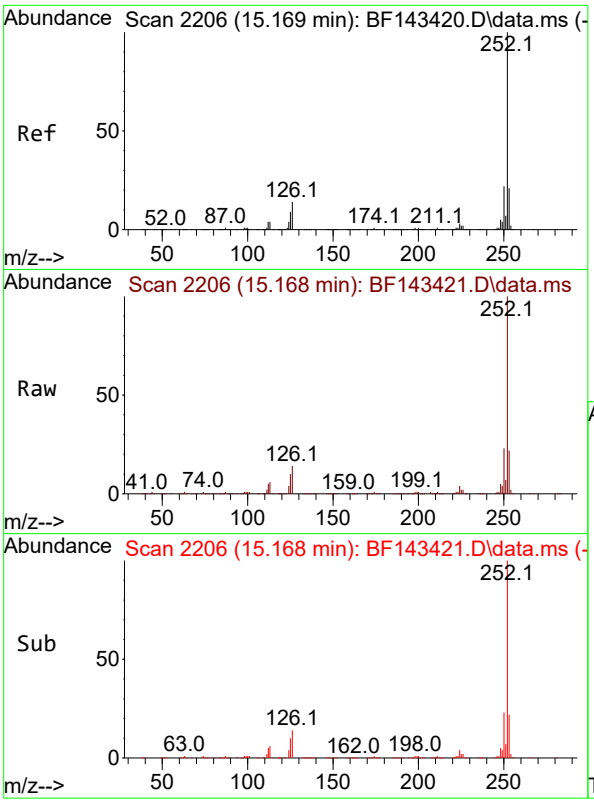


#88
Benzo(b)fluoranthene
Concen: 48.035 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:252 Resp: 753963

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	9.7	7.5	11.3



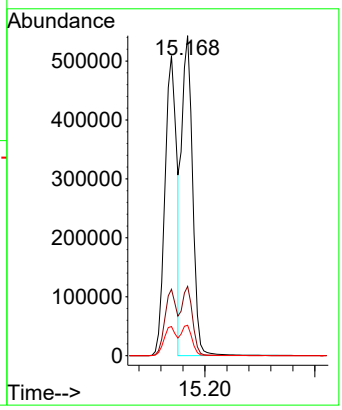


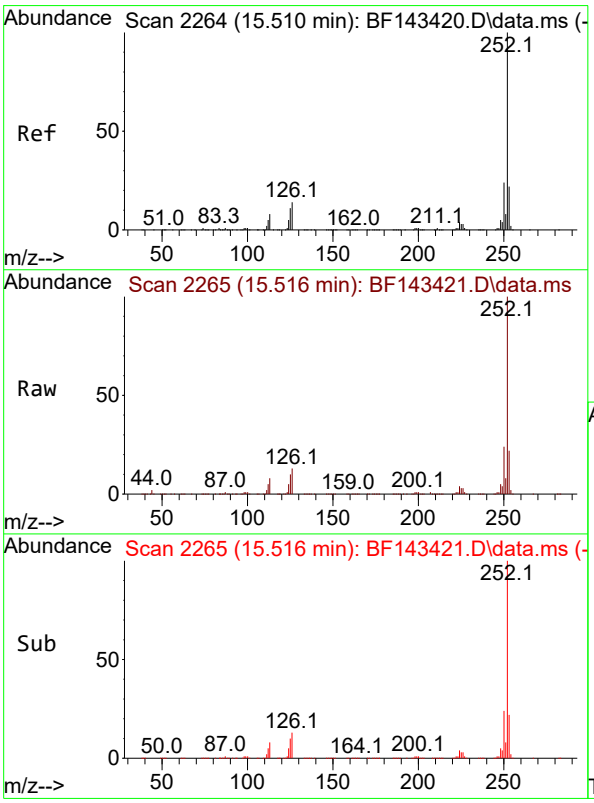
#89
Benzo(k)fluoranthene
Concen: 48.329 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 748201

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	9.5	7.4	11.2

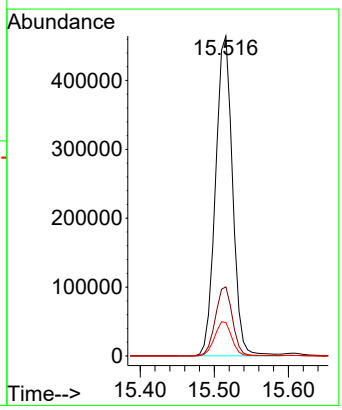


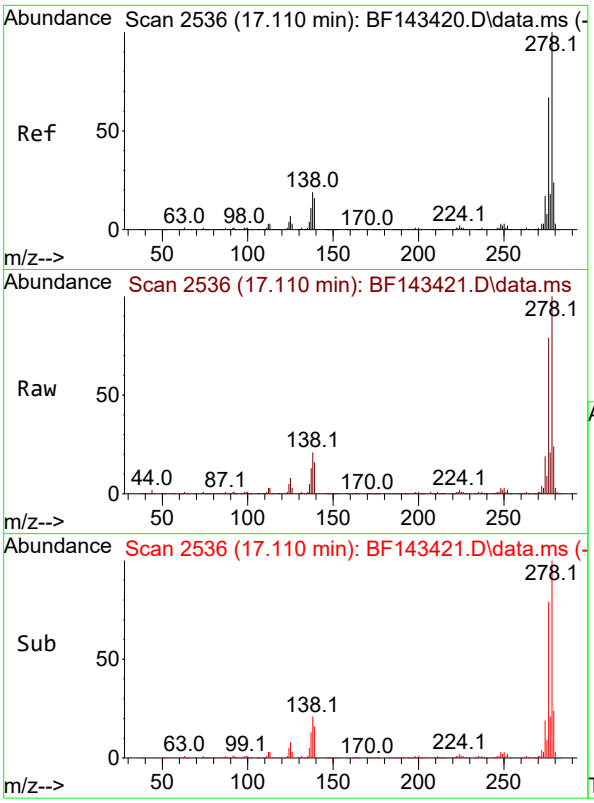


#90
Benzo(a)pyrene
Concen: 49.418 ng
RT: 15.516 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:252 Resp: 738784

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	10.4	8.6	12.8



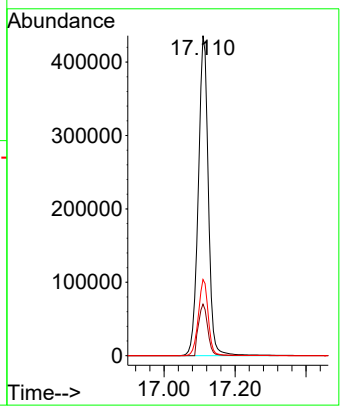


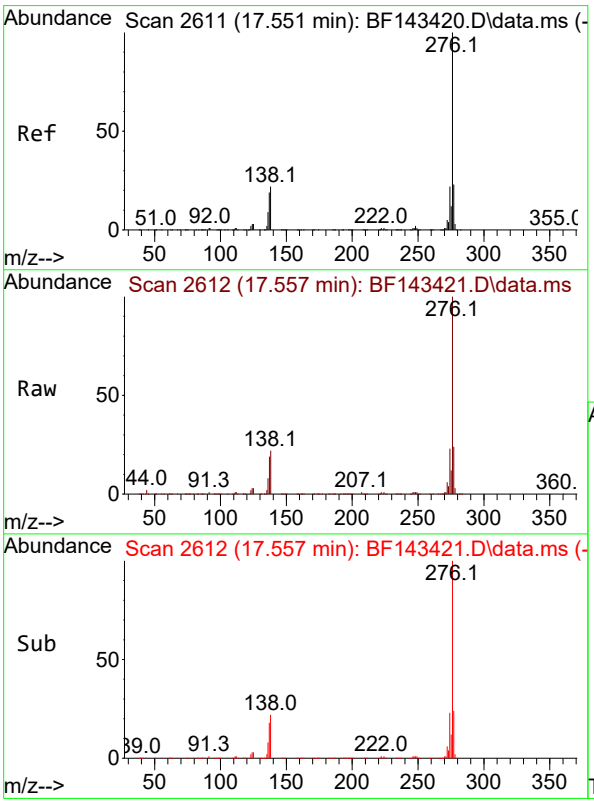
#91
Dibenzo(a,h)anthracene
Concen: 48.523 ng
RT: 17.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 855766

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.9	19.3
279	23.8	19.0	28.4

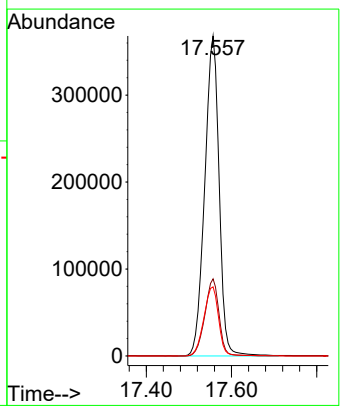




#92
Benzo(g,h,i)perylene
Concen: 49.005 ng
RT: 17.557 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:276 Resp: 863384

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	21.6	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143422.D
Acq On : 15 Aug 2025 17:27
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 15 18:29:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	103004	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	394093	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	216471	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	345949	20.000	ng	0.00
76) Chrysene-d12	14.086	240	183739	20.000	ng	0.00
86) Perylene-d12	15.574	264	234521	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	706677	119.261	ng	0.00
7) Phenol-d6	6.563	99	874080	117.052	ng	0.00
23) Nitrobenzene-d5	7.487	82	801462	120.677	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	240835	124.995	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1405470	109.206	ng	0.00
79) Terphenyl-d14	13.027	244	1336250	122.168	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	170131	59.648	ng	100
3) Pyridine	3.481	79	468124	62.578	ng	100
4) n-Nitrosodimethylamine	3.422	42	213122	61.294	ng	99
6) Aniline	6.592	93	600661	59.251	ng	97
8) 2-Chlorophenol	6.716	128	388837	59.438	ng	99
9) Benzaldehyde	6.475	77	197912	49.820	ng	99
10) Phenol	6.575	94	514768	59.074	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	381275	59.028	ng	99
12) 1,3-Dichlorobenzene	6.869	146	427836	58.383	ng	100
13) 1,4-Dichlorobenzene	6.945	146	425679	58.184	ng	99
14) 1,2-Dichlorobenzene	7.098	146	404912	57.945	ng	99
15) Benzyl Alcohol	7.069	79	333850	60.623	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	638435	57.816	ng	98
17) 2-Methylphenol	7.181	107	319847	59.925	ng	99
18) Hexachloroethane	7.439	117	147825	59.362	ng	98
19) n-Nitroso-di-n-propyla...	7.339	70	263397	56.976	ng	99
20) 3+4-Methylphenols	7.334	107	375256	58.800	ng	96
22) Acetophenone	7.334	105	480508	56.709	ng	98
24) Nitrobenzene	7.510	77	418529	60.296	ng	97
25) Isophorone	7.751	82	762143	59.959	ng	99
26) 2-Nitrophenol	7.828	139	207903	64.610	ng	97
27) 2,4-Dimethylphenol	7.863	122	318392	58.521	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	462973	59.257	ng	99
29) 2,4-Dichlorophenol	8.069	162	335897	60.564	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	333743	58.729	ng	99
31) Naphthalene	8.234	128	1088551	58.181	ng	100
32) Benzoic acid	7.981	122	185215	65.770	ng	98
33) 4-Chloroaniline	8.275	127	405337	60.020	ng	99
34) Hexachlorobutadiene	8.351	225	215339	59.425	ng	98
35) Caprolactam	8.651	113	102996	64.503	ng	99
36) 4-Chloro-3-methylphenol	8.757	107	347155	60.776	ng	99
37) 2-Methylnaphthalene	8.922	142	728301	57.750	ng	100
38) 1-Methylnaphthalene	9.022	142	690769	57.169	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	350585	58.072	ng	100
41) Hexachlorocyclopentadiene	9.081	237	123367	58.008	ng	98
43) 2,4,6-Trichlorophenol	9.198	196	229993	61.072	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143422.D
Acq On : 15 Aug 2025 17:27
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 15 18:29:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

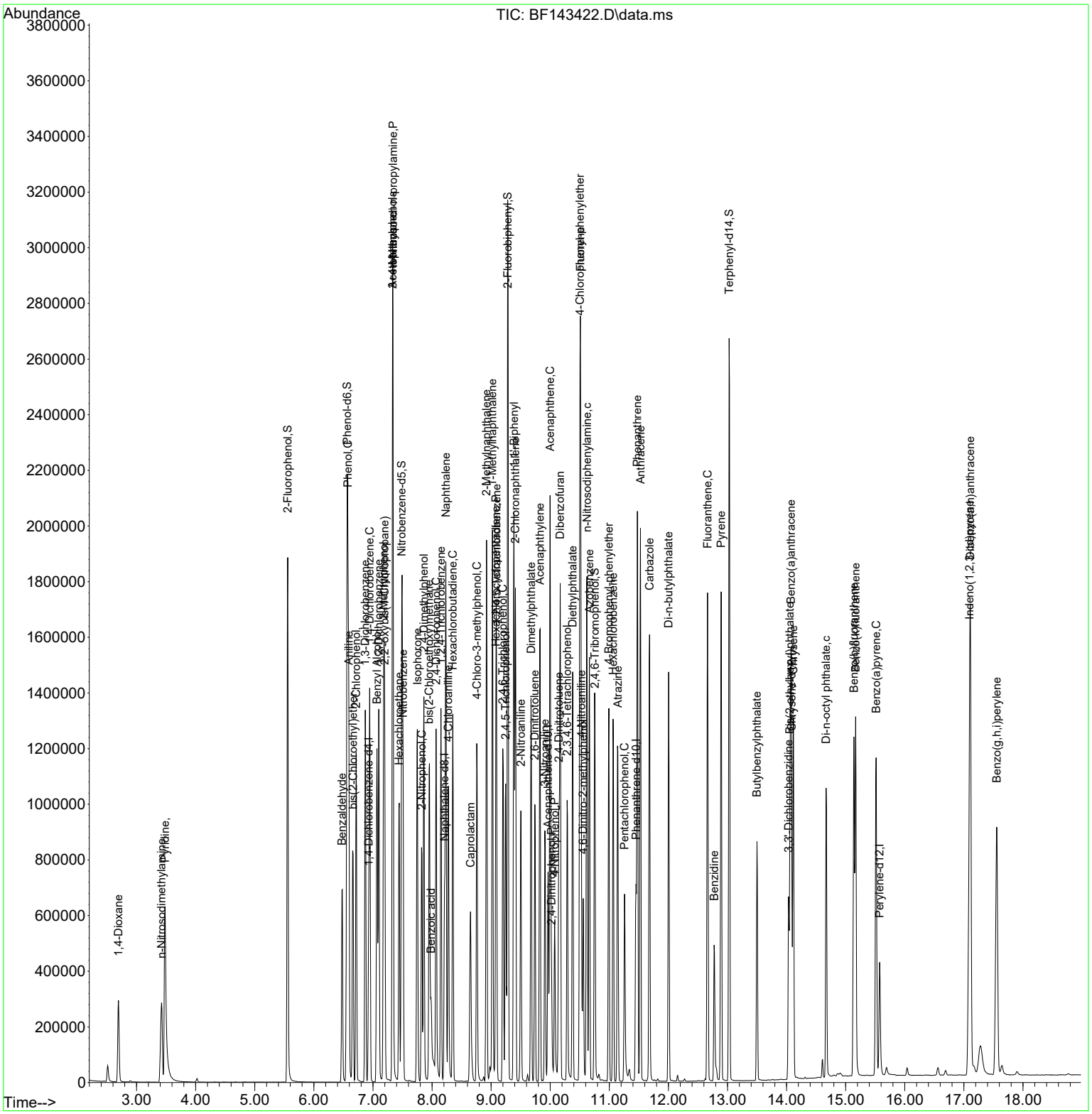
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	244578	60.587	ng	99
46) 1,1'-Biphenyl	9.386	154	864141	56.815	ng	99
47) 2-Chloronaphthalene	9.410	162	693668	57.777	ng	99
48) 2-Nitroaniline	9.504	65	226112	63.287	ng	97
49) Acenaphthylene	9.828	152	1009829	58.256	ng	99
50) Dimethylphthalate	9.675	163	804304	59.596	ng	99
51) 2,6-Dinitrotoluene	9.739	165	170673	64.151	ng	99
52) Acenaphthene	9.998	154	686545	58.887	ng	99
53) 3-Nitroaniline	9.910	138	190315	64.218	ng	99
54) 2,4-Dinitrophenol	10.022	184	75977	62.767	ng	98
55) Dibenzofuran	10.169	168	972484	57.822	ng	99
56) 4-Nitrophenol	10.075	139	127015	68.171	ng	95
57) 2,4-Dinitrotoluene	10.145	165	235687	66.446	ng	99
58) Fluorene	10.510	166	737784	57.102	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	199075	65.147	ng	98
60) Diethylphthalate	10.380	149	746953	59.893	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	372354	58.290	ng	96
62) 4-Nitroaniline	10.528	138	183532	66.220	ng	99
63) Azobenzene	10.663	77	751747	59.640	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	121894	68.289	ng	96
66) n-Nitrosodiphenylamine	10.622	169	646995	57.518	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	239597	58.650	ng	99
68) Hexachlorobenzene	11.063	284	253488	58.367	ng	99
69) Atrazine	11.145	200	208818	63.468	ng	99
70) Pentachlorophenol	11.257	266	127891	66.328	ng	99
71) Phenanthrene	11.475	178	1073495	57.303	ng	100
72) Anthracene	11.527	178	1084628	57.323	ng	99
73) Carbazole	11.680	167	944227	59.003	ng	100
74) Di-n-butylphthalate	12.004	149	1011466	63.470	ng	99
75) Fluoranthene	12.663	202	991147	59.543	ng	99
77) Benzidine	12.774	184	298398	57.369	ng	100
78) Pyrene	12.892	202	995037	62.306	ng	100
80) Butylbenzylphthalate	13.498	149	268326	67.834	ng	99
81) Benzo(a)anthracene	14.074	228	733117	62.671	ng	100
82) 3,3'-Dichlorobenzidine	14.033	252	212422	62.021	ng	99
83) Chrysene	14.116	228	627062	57.984	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	357629	63.663	ng	99
85) Di-n-octyl phthalate	14.668	149	708936	62.221	ng	99
87) Indeno(1,2,3-cd)pyrene	17.098	276	1057633	60.138	ng	99
88) Benzo(b)fluoranthene	15.139	252	732842	58.304	ng	99
89) Benzo(k)fluoranthene	15.168	252	760663	61.356	ng	99
90) Benzo(a)pyrene	15.515	252	733266	61.250	ng	100
91) Dibenzo(a,h)anthracene	17.109	278	850641	60.230	ng	99
92) Benzo(g,h,i)perylene	17.556	276	854308	60.552	ng	99

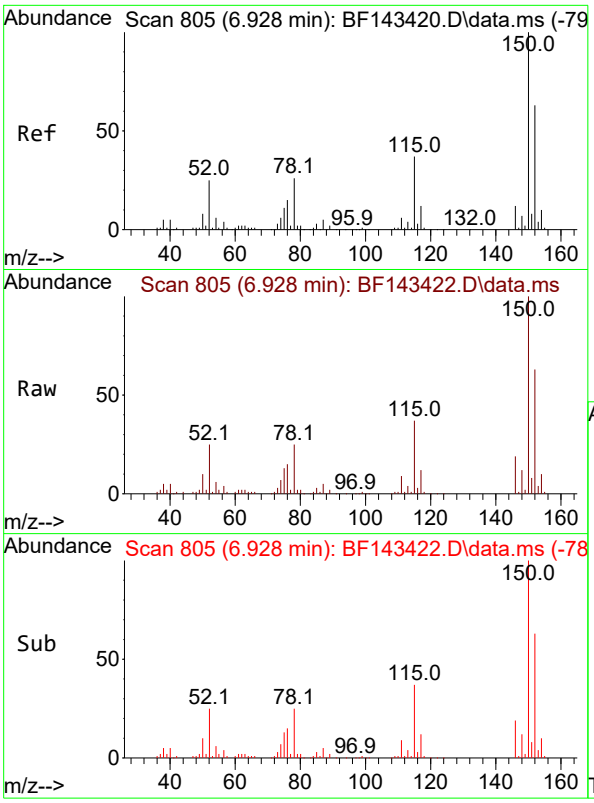
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143422.D
Acq On : 15 Aug 2025 17:27
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 15 18:29:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



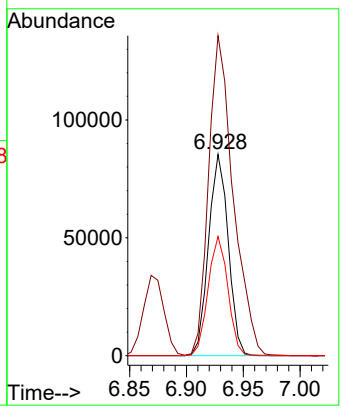


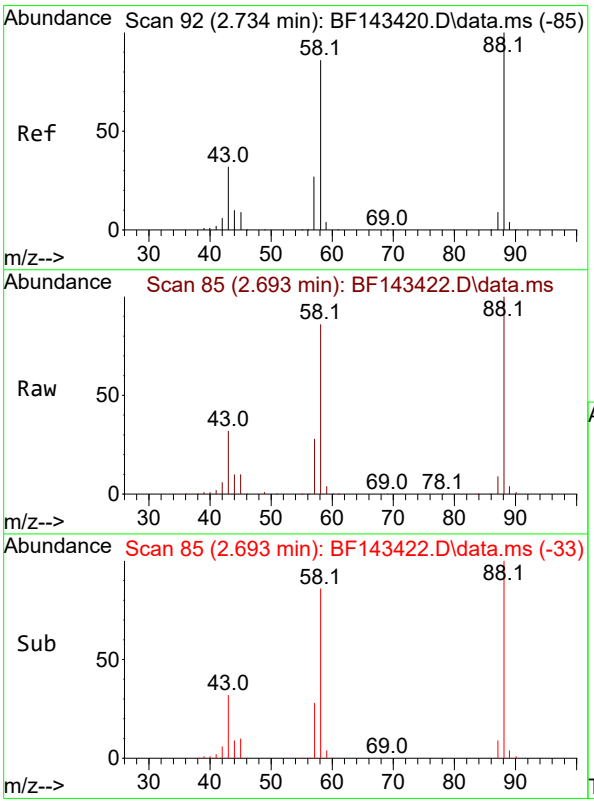
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 103004

Ion	Ratio	Lower	Upper
152	100		
150	158.9	127.4	191.2
115	59.2	47.5	71.3

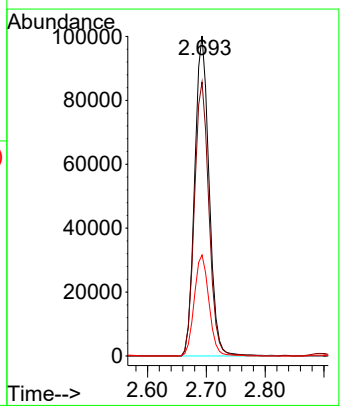


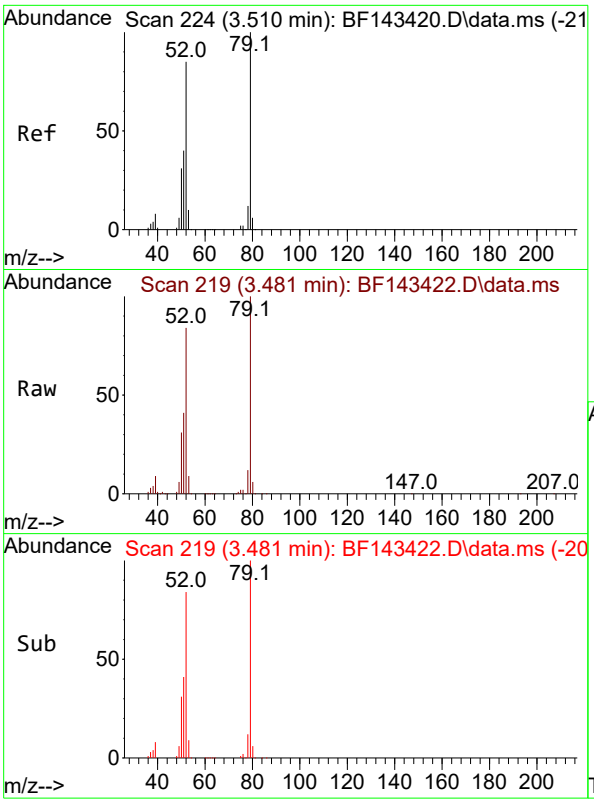


#2
1,4-Dioxane
Concen: 59.648 ng
RT: 2.693 min Scan# 85
Delta R.T. -0.041 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 88 Resp: 170131

Ion	Ratio	Lower	Upper
88	100		
58	86.1	68.7	103.1
43	32.1	26.1	39.1



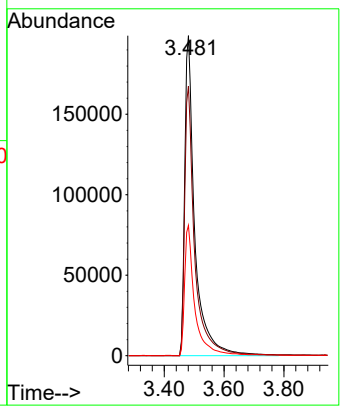


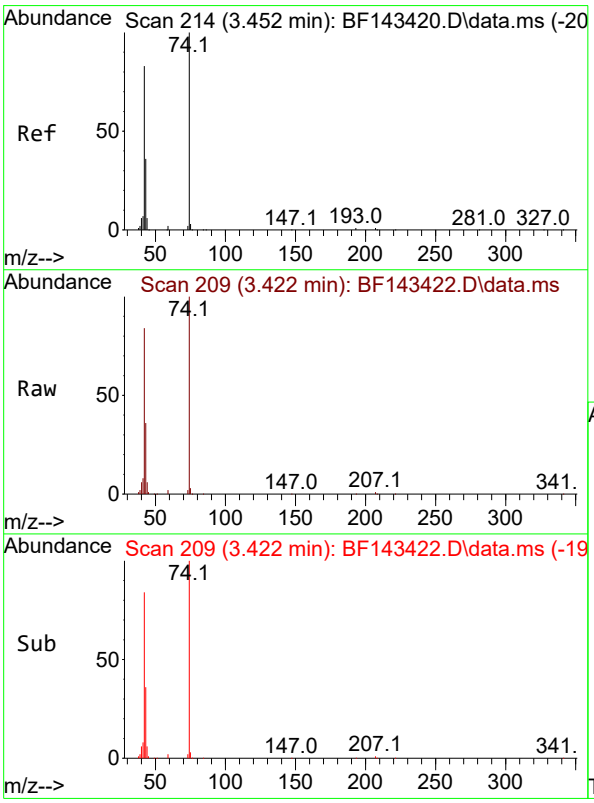
#3
Pyridine
Concen: 62.578 ng
RT: 3.481 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 468124

Ion	Ratio	Lower	Upper
79	100		
52	84.2	67.7	101.5
51	40.7	32.3	48.5

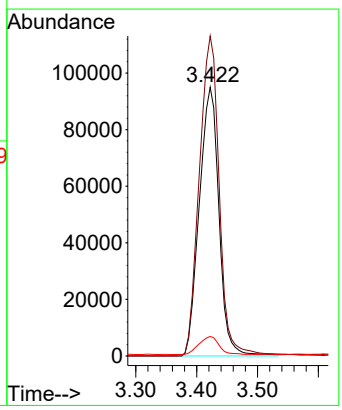


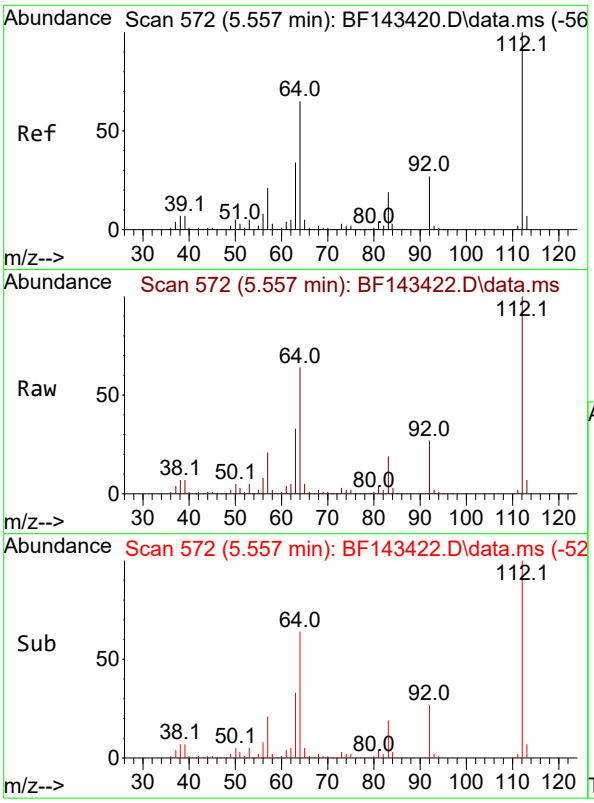


#4
n-Nitrosodimethylamine
Concen: 61.294 ng
RT: 3.422 min Scan# 209
Delta R.T. -0.030 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 42 Resp: 213122

Ion	Ratio	Lower	Upper
42	100		
74	119.0	96.2	144.4
44	7.3	5.9	8.9



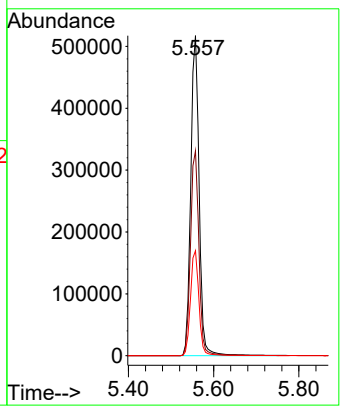


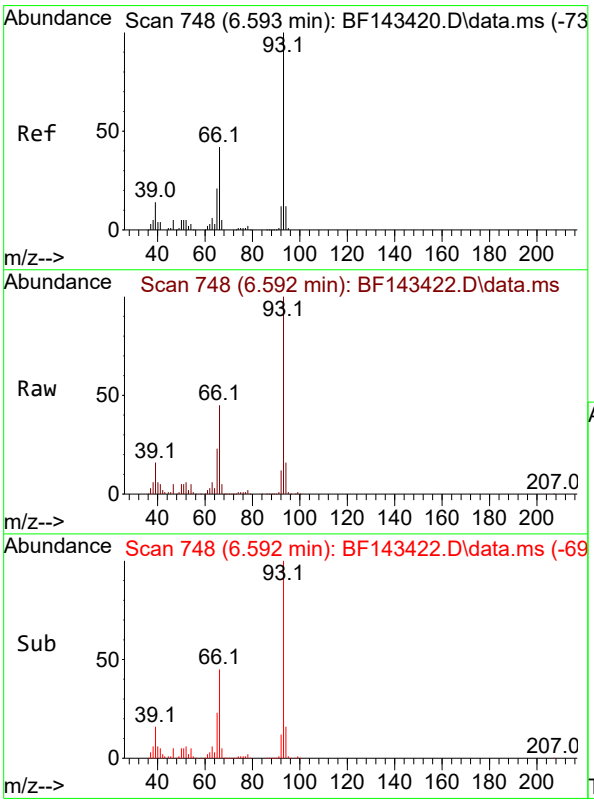
#5
2-Fluorophenol
Concen: 119.261 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 706677

Ion	Ratio	Lower	Upper
112	100		
64	64.0	52.2	78.2
63	32.8	27.0	40.6

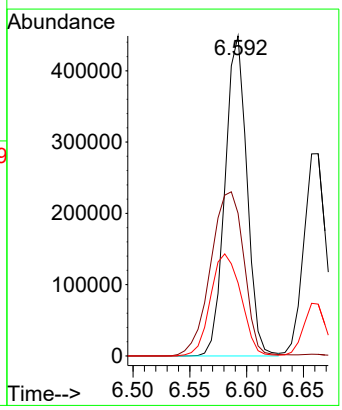


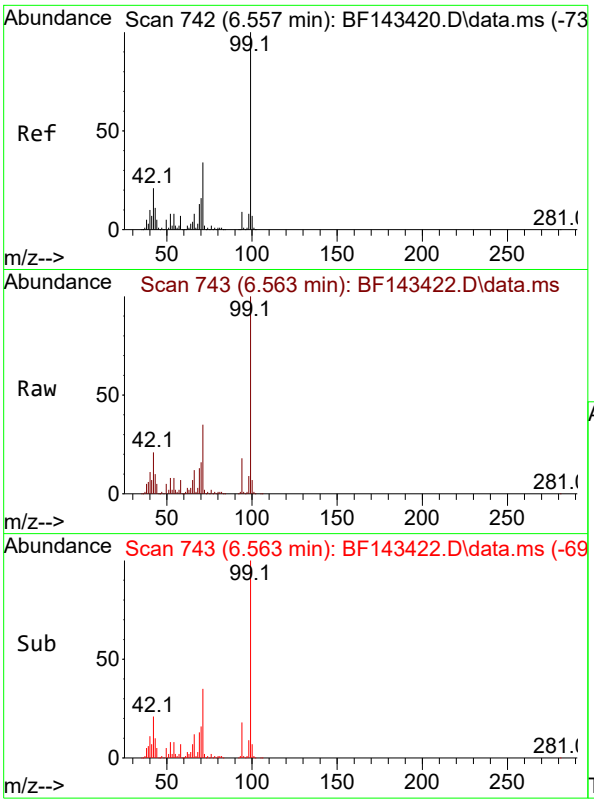


#6
Aniline
Concen: 59.251 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 93 Resp: 600661

Ion	Ratio	Lower	Upper
93	100		
66	44.6	33.8	50.8
65	22.8	17.2	25.8



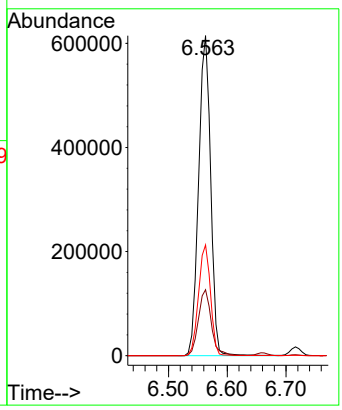


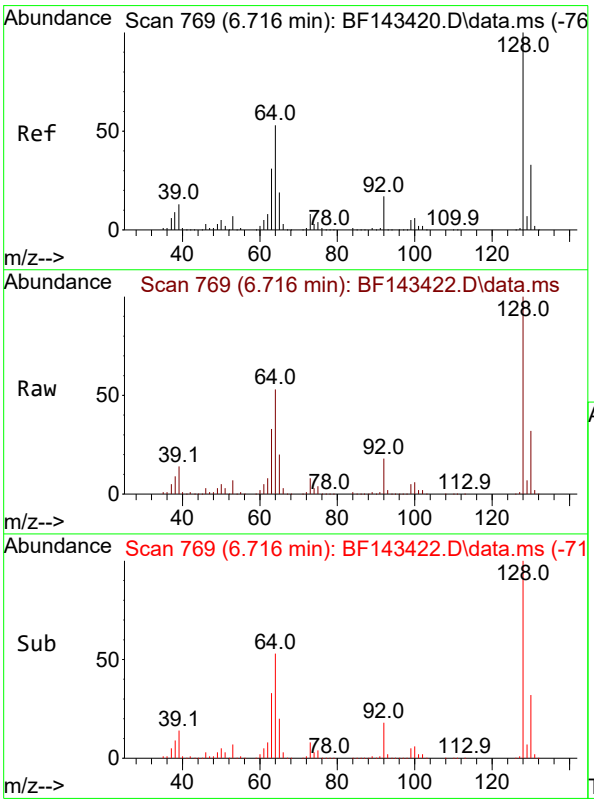
#7
Phenol-d6
Concen: 117.052 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 874080

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.6
71	34.6	27.4	41.2

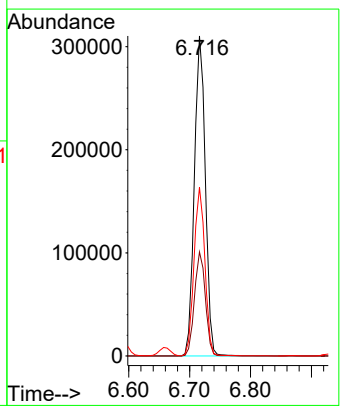


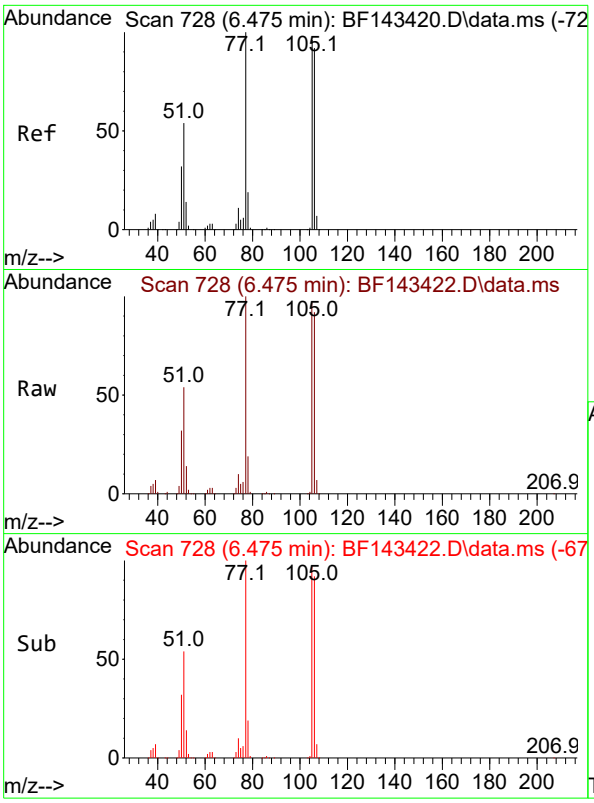


#8
2-Chlorophenol
Concen: 59.438 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:128 Resp: 388837

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.9	52.9
64	52.7	33.1	73.1



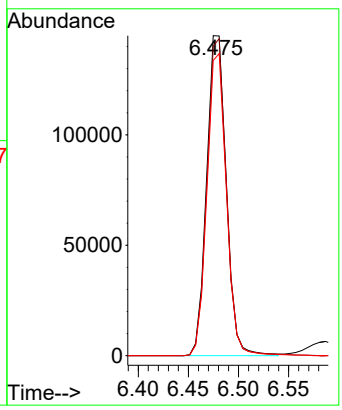


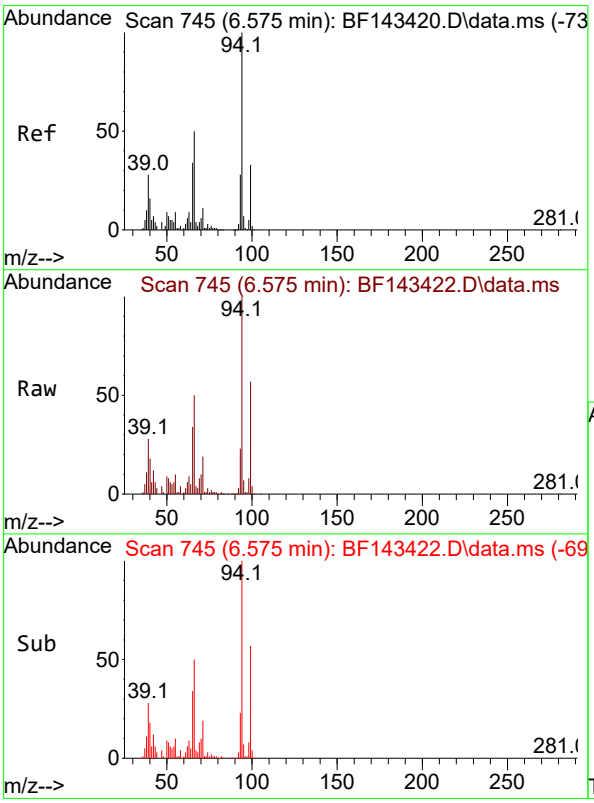
#9
Benzaldehyde
Concen: 49.820 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 197912

Ion	Ratio	Lower	Upper
77	100		
105	96.7	75.5	115.5
106	92.2	72.0	112.0

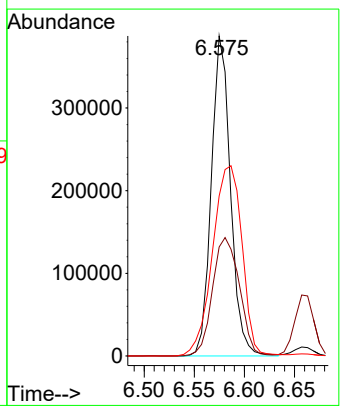


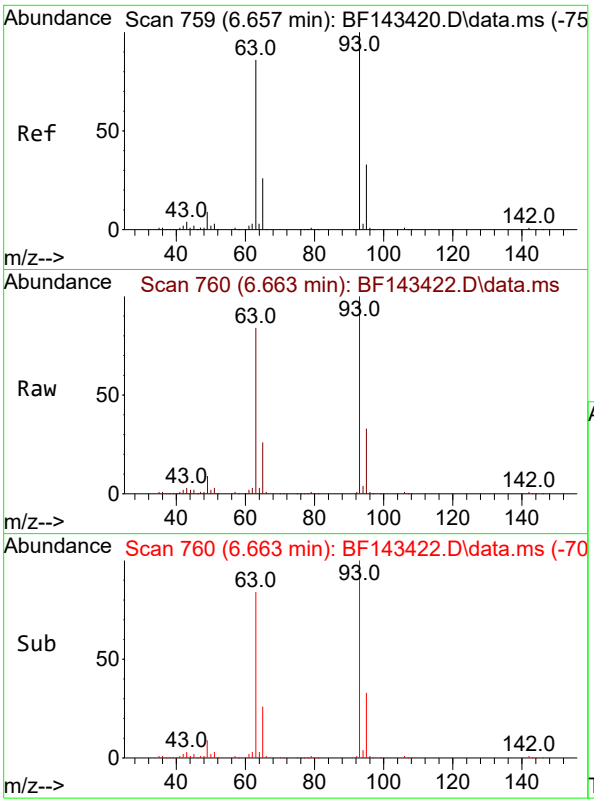


#10
Phenol
Concen: 59.074 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 94 Resp: 514768

Ion	Ratio	Lower	Upper
94	100		
65	34.0	13.7	53.7
66	50.0	30.3	70.3



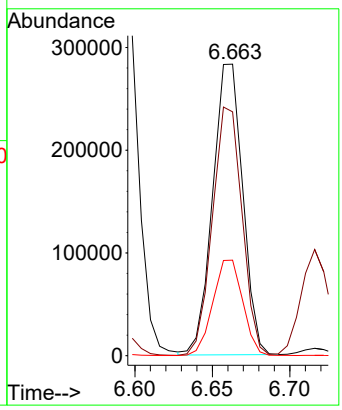


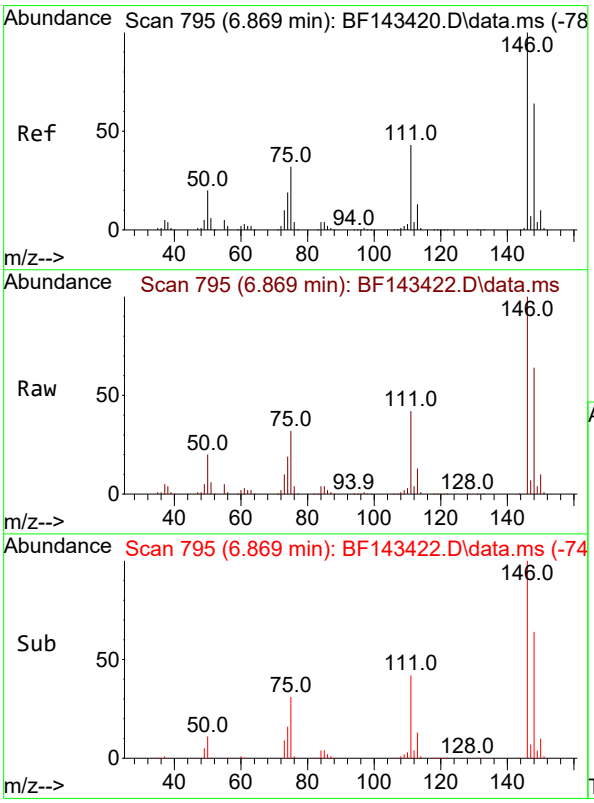
#11
bis(2-Chloroethyl)ether
Concen: 59.028 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 381275

Ion	Ratio	Lower	Upper
93	100		
63	83.6	65.4	105.4
95	32.8	12.8	52.8

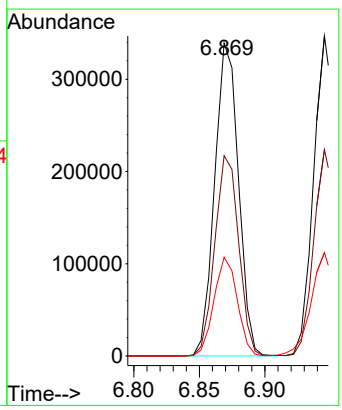


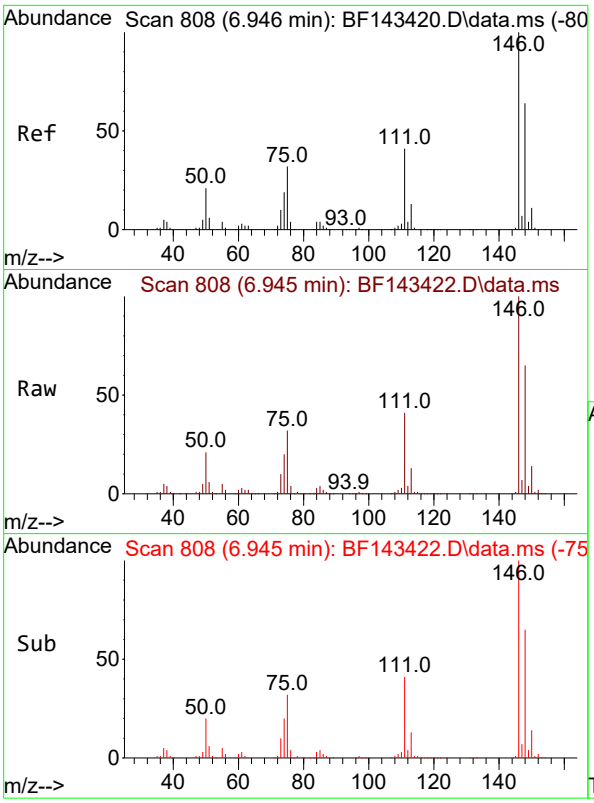


#12
1,3-Dichlorobenzene
Concen: 58.383 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:146 Resp: 427836

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	31.6	25.3	37.9



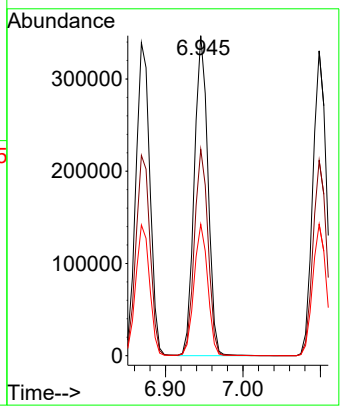


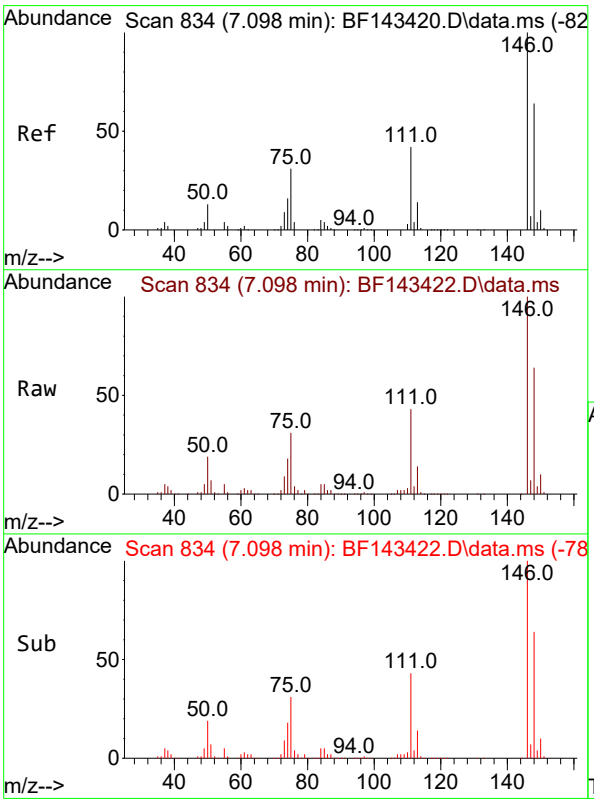
#13
1,4-Dichlorobenzene
Concen: 58.184 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 425679

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	41.0	32.5	48.7

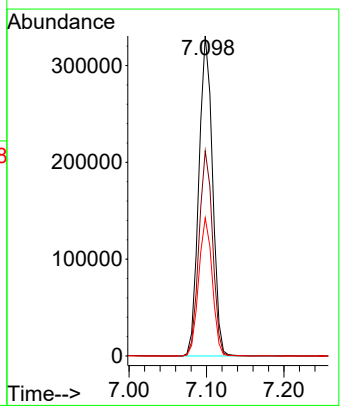


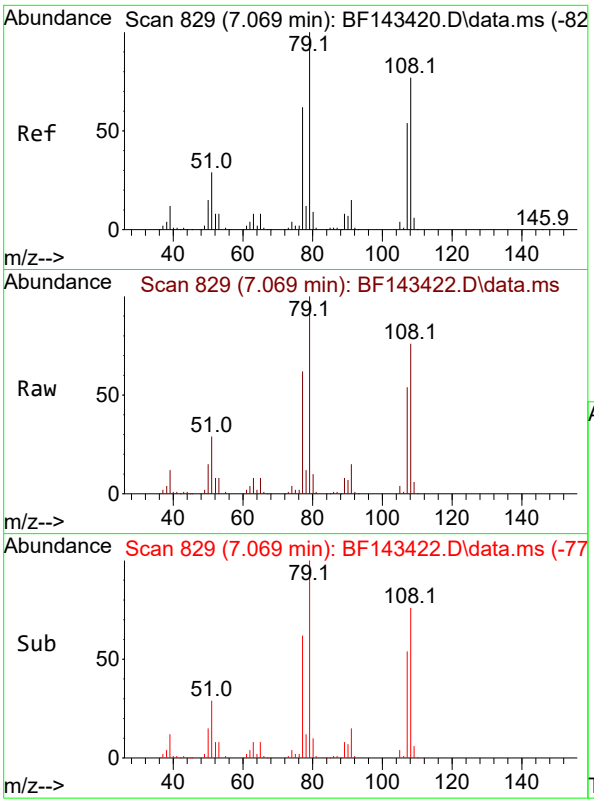


#14
1,2-Dichlorobenzene
Concen: 57.945 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:146 Resp: 404912

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
111	43.2	33.9	50.9



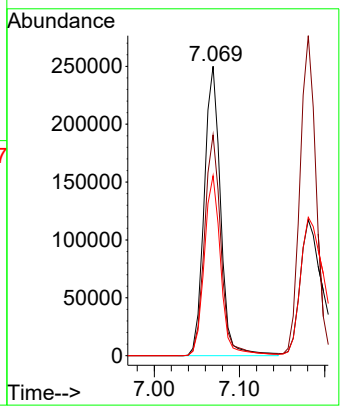


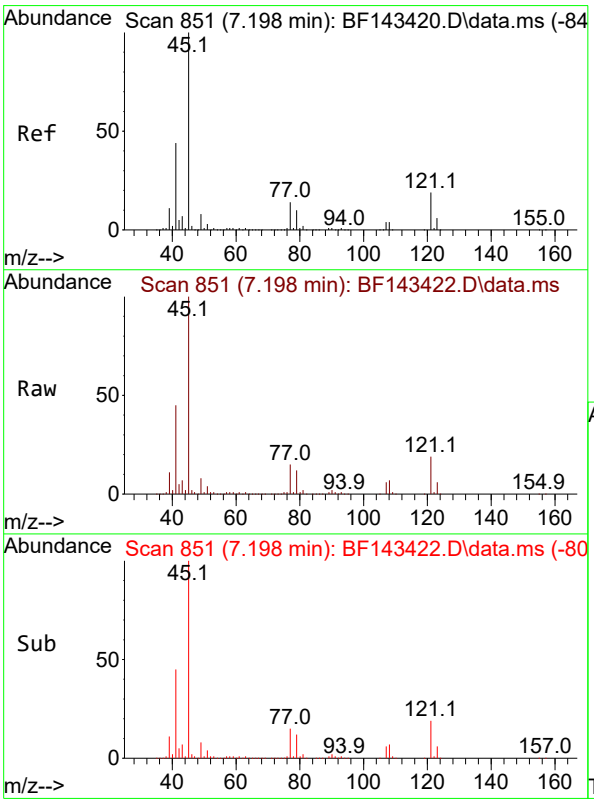
#15
Benzyl Alcohol
Concen: 60.623 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 333850

Ion	Ratio	Lower	Upper
79	100		
108	76.3	61.9	92.9
77	62.2	49.2	73.8

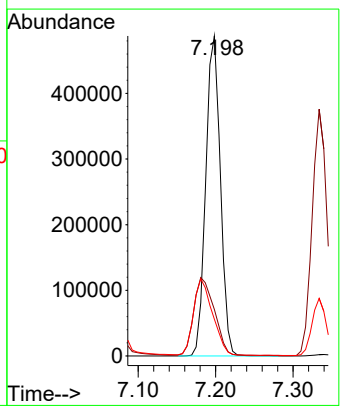


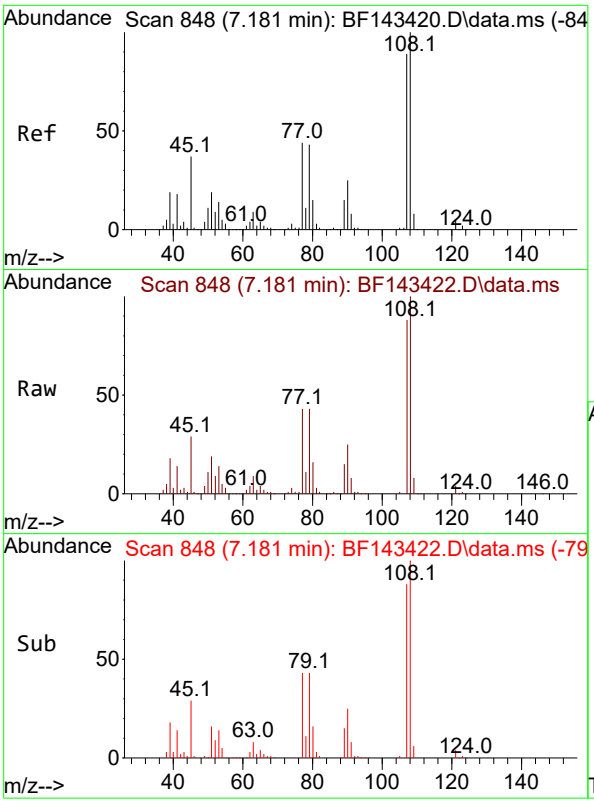


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.816 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 45 Resp: 638435

Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	33.9
79	11.5	0.0	30.7



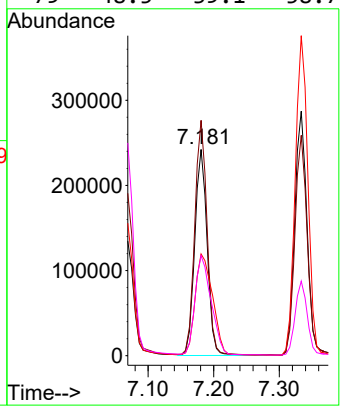


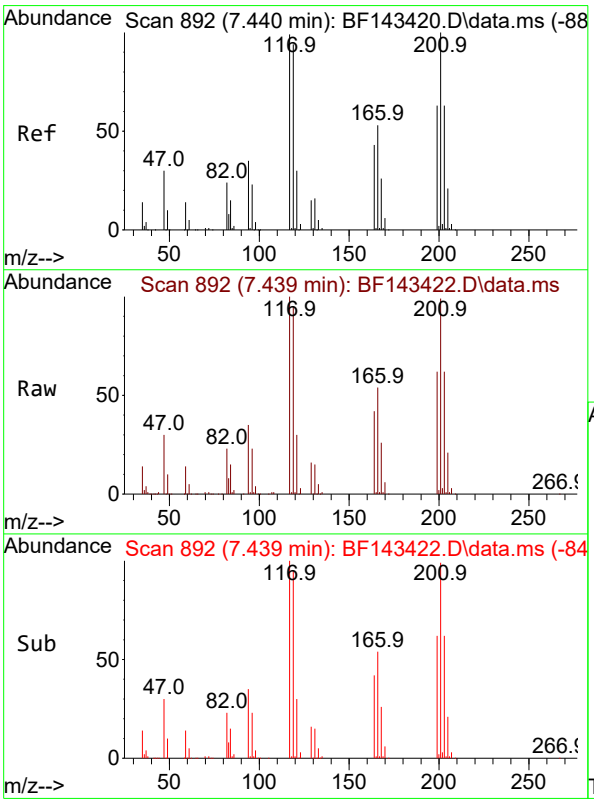
#17
2-Methylphenol
Concen: 59.925 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 319847

Ion	Ratio	Lower	Upper
107	100		
108	114.1	90.1	135.1
77	49.3	39.9	59.9
79	48.5	39.1	58.7

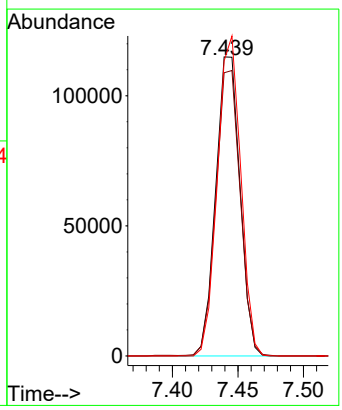


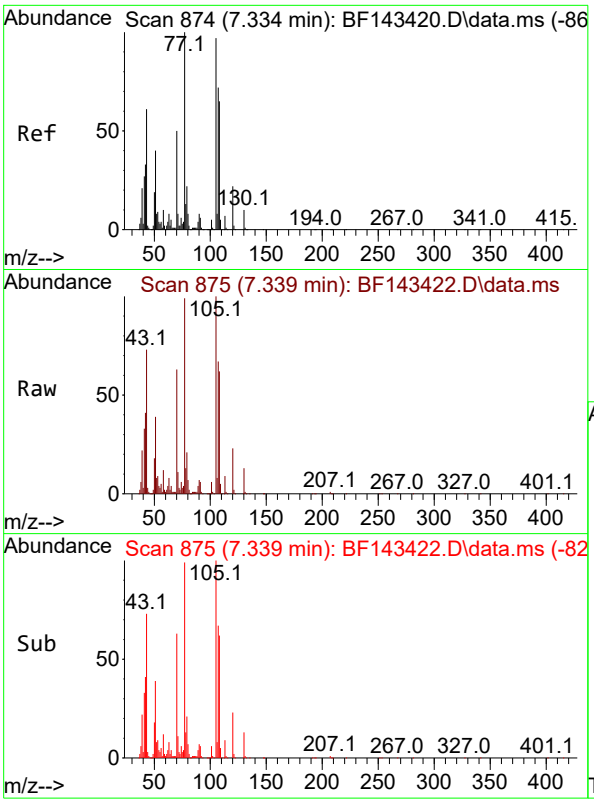


#18
Hexachloroethane
Concen: 59.362 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:117 Resp: 147825

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.6	114.8
201	98.7	81.0	121.4



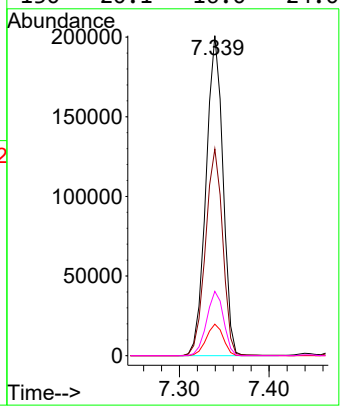


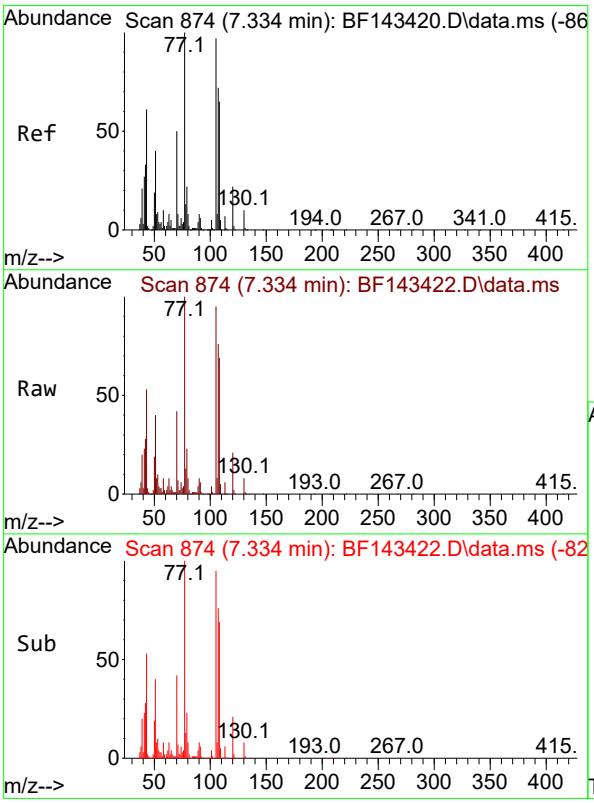
#19
n-Nitroso-di-n-propylamine
Concen: 56.976 ng
RT: 7.339 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 263397

Ion	Ratio	Lower	Upper
70	100		
42	64.6	52.5	78.7
101	9.9	7.9	11.9
130	20.1	16.0	24.0

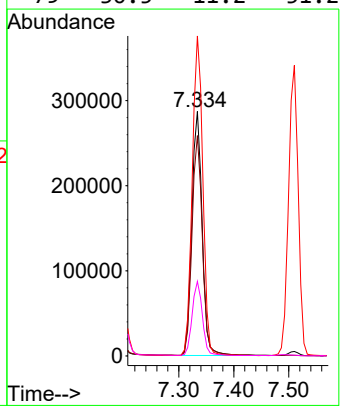


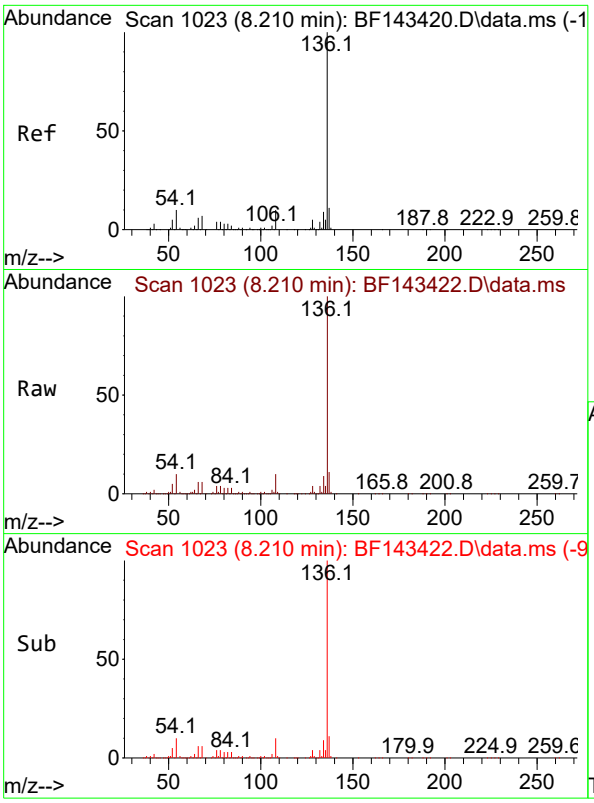


#20
3+4-Methylphenols
Concen: 58.800 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:107 Resp: 375256

Ion	Ratio	Lower	Upper
107	100		
108	90.1	70.8	110.8
77	130.9	119.1	159.1
79	30.5	11.2	51.2



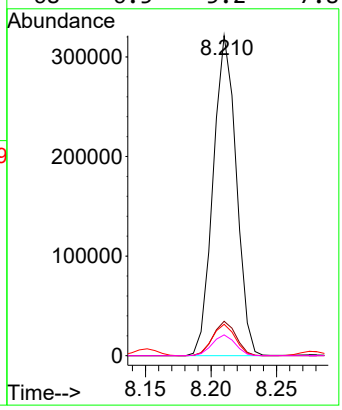


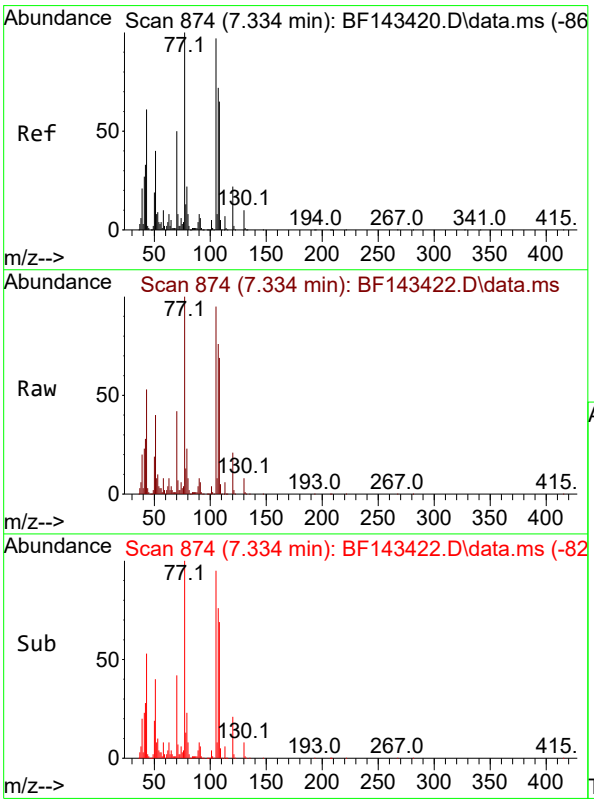
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 394093

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	9.8	7.8	11.8
68	6.5	5.2	7.8

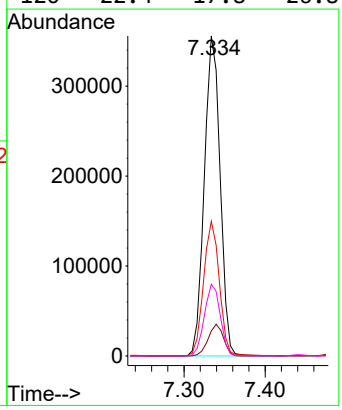


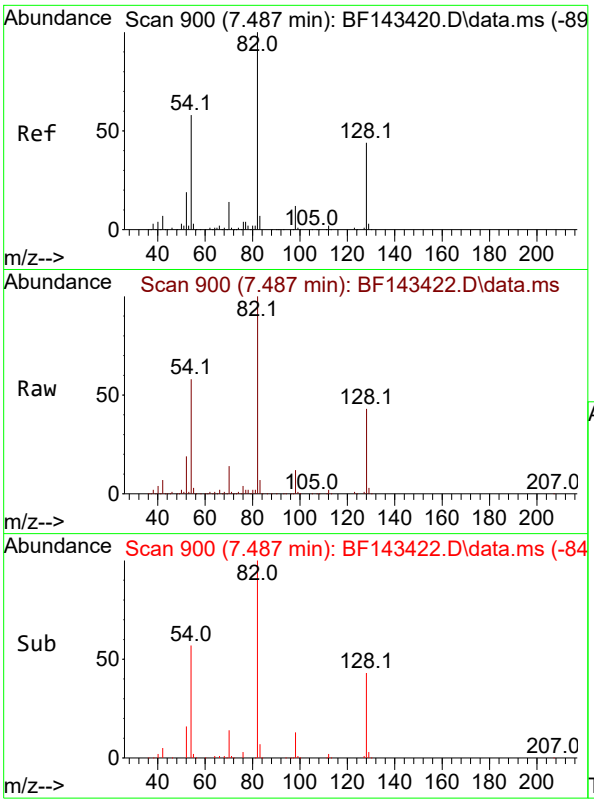


#22
Acetophenone
Concen: 56.709 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:105 Resp: 480508

Ion	Ratio	Lower	Upper
105	100		
71	7.8	7.0	10.4
51	42.1	32.7	49.1
120	22.4	17.8	26.8



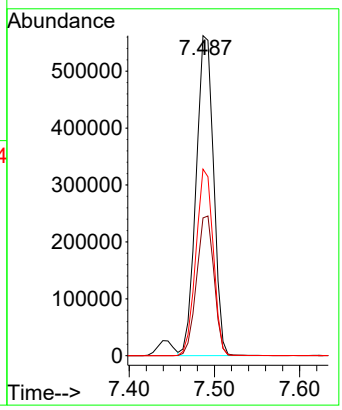


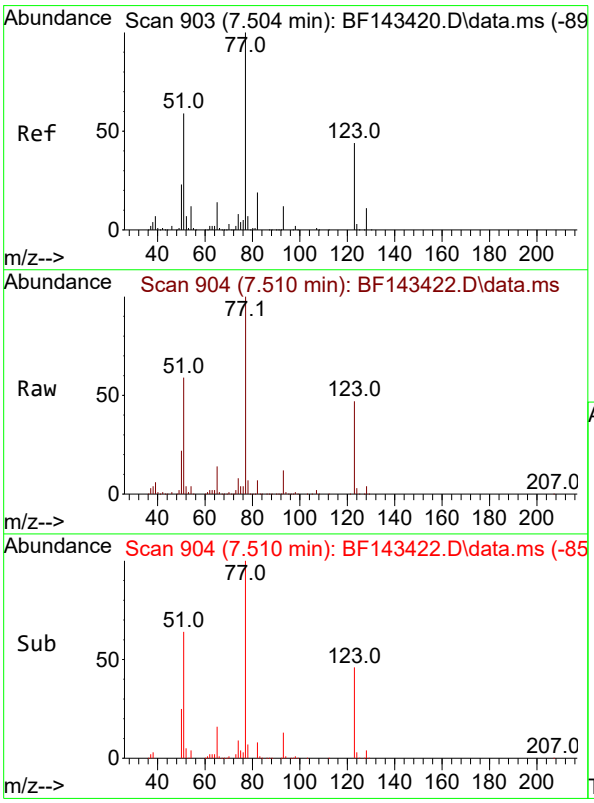
#23
Nitrobenzene-d5
Concen: 120.677 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 801462

Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.6	52.0
54	58.3	46.0	69.0

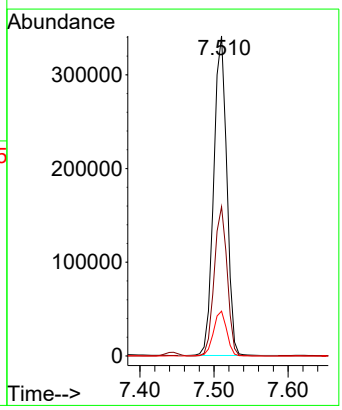


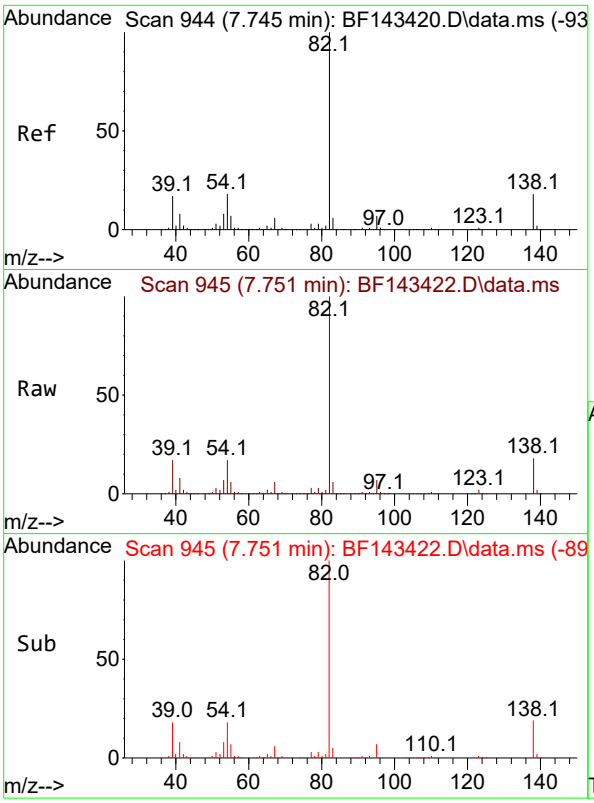


#24
Nitrobenzene
Concen: 60.296 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 77 Resp: 418529

Ion	Ratio	Lower	Upper
77	100		
123	46.6	35.4	53.0
65	14.0	11.2	16.8



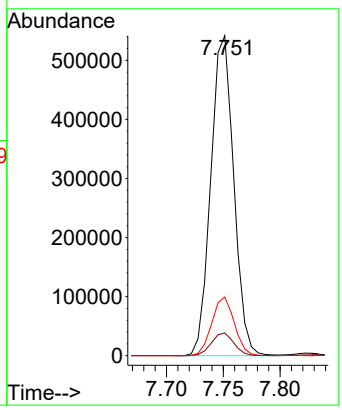


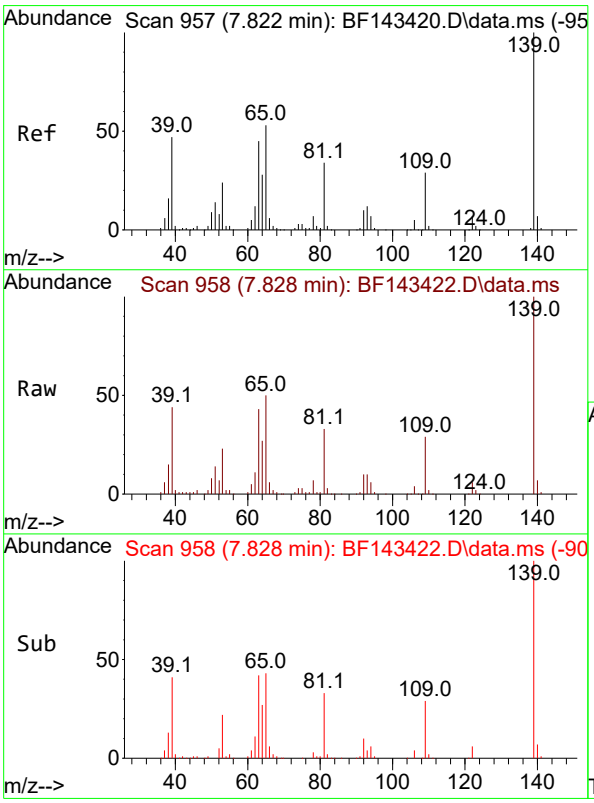
#25
Isophorone
Concen: 59.959 ng
RT: 7.751 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 762143

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.3	14.3	21.5

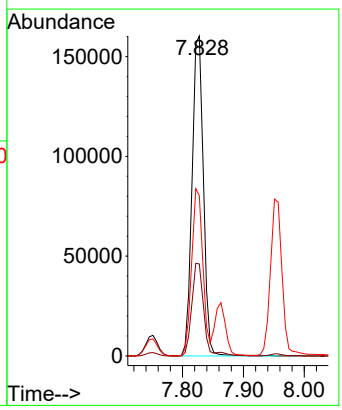


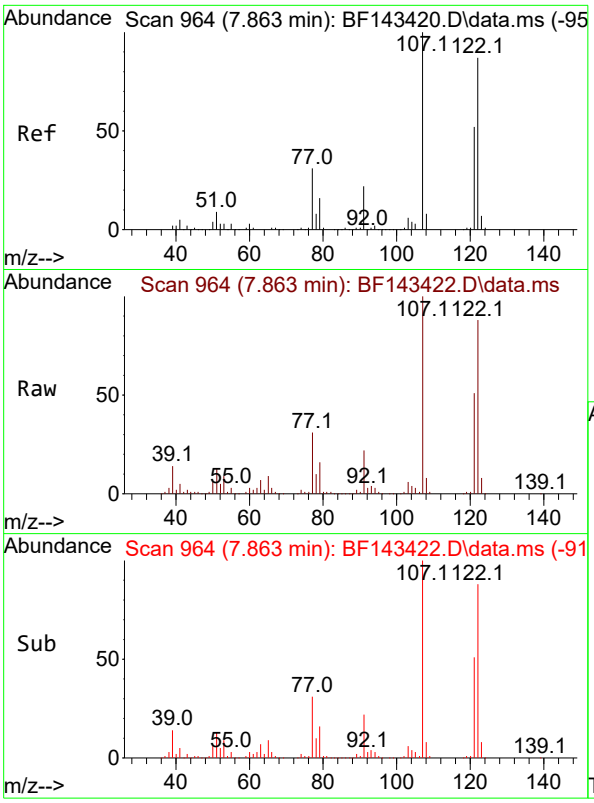


#26
2-Nitrophenol
Concen: 64.610 ng
RT: 7.828 min Scan# 958
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:139 Resp: 207903

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.0	34.4
65	50.0	42.5	63.7



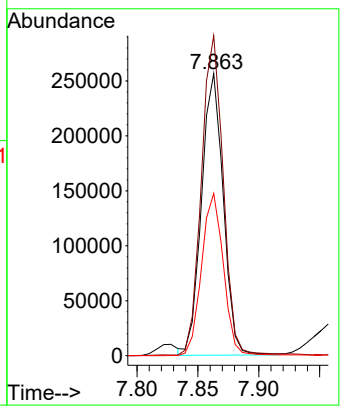


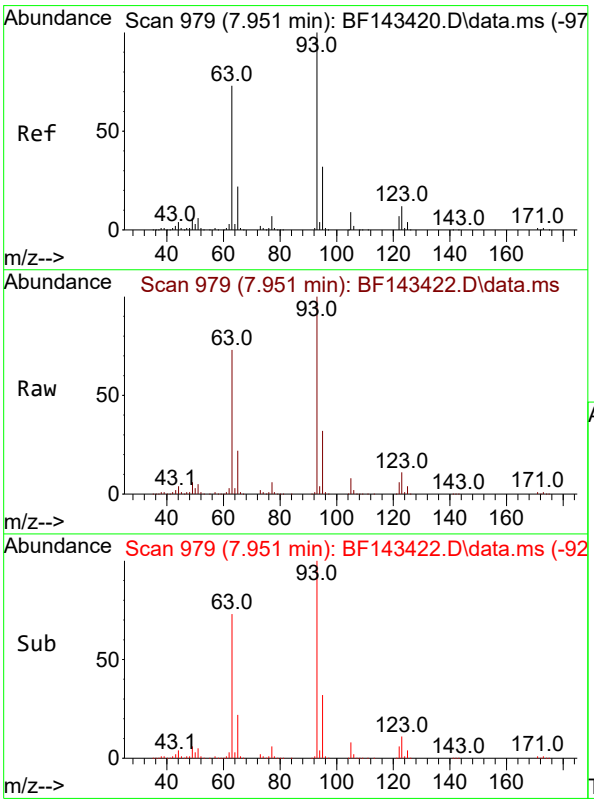
#27
2,4-Dimethylphenol
Concen: 58.521 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 318392

Ion	Ratio	Lower	Upper
122	100		
107	113.4	90.4	135.6
121	57.5	46.7	70.1

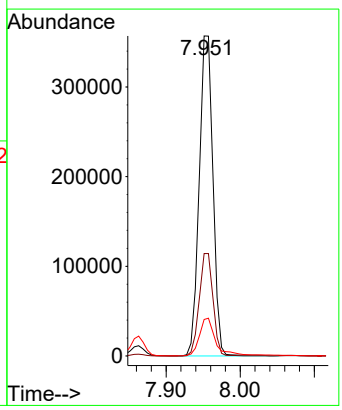


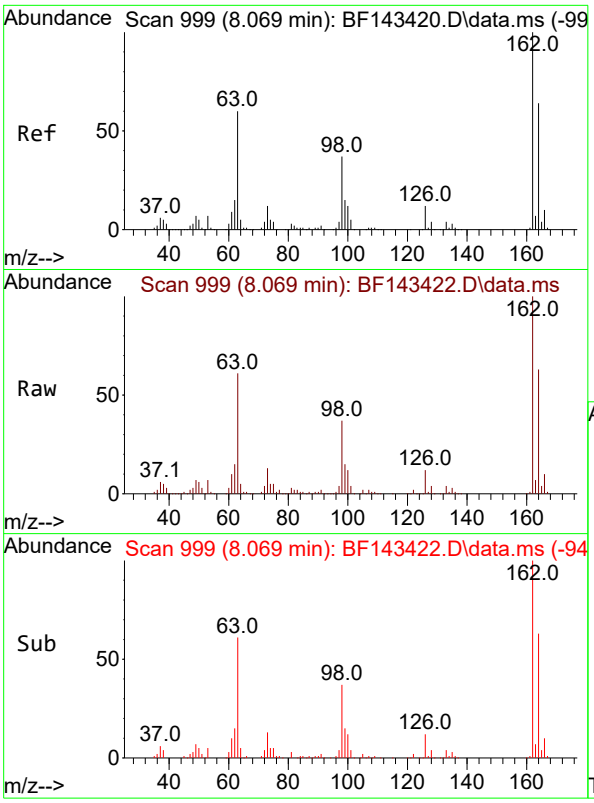


#28
bis(2-Chloroethoxy)methane
Concen: 59.257 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 93 Resp: 462973

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.0	39.0
123	11.4	9.5	14.3



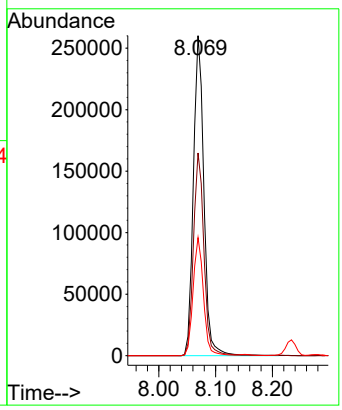


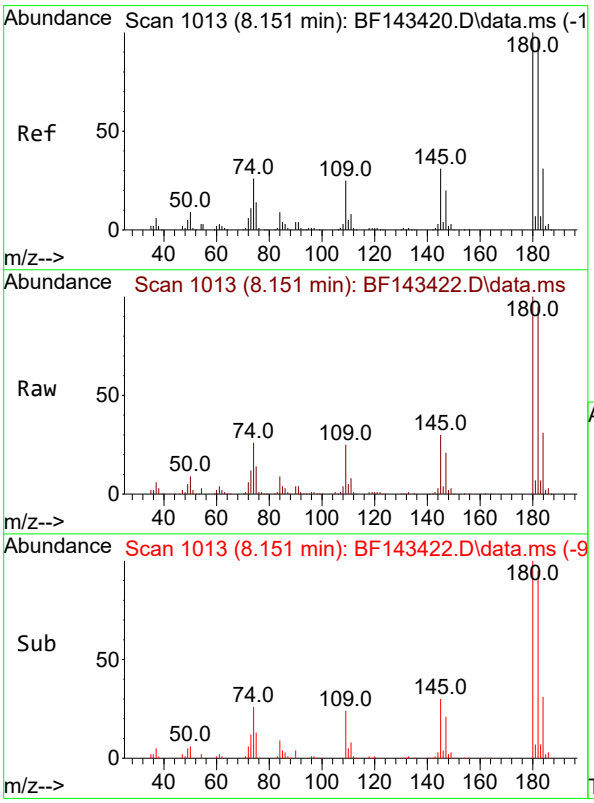
#29
2,4-Dichlorophenol
Concen: 60.564 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 335897

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.3	84.3
98	36.9	16.9	56.9

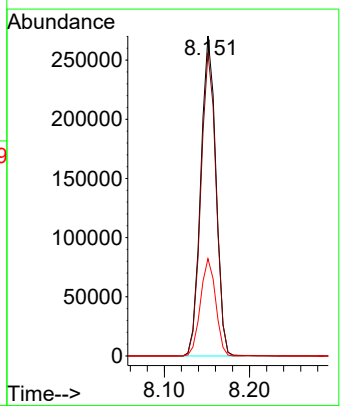


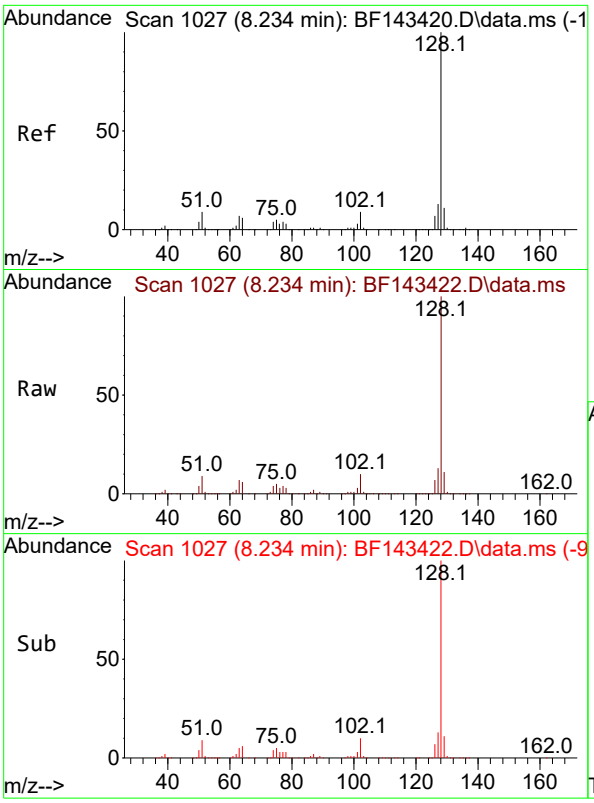


#30
1,2,4-Trichlorobenzene
Concen: 58.729 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:180 Resp: 333743

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.7	115.1
145	30.4	24.5	36.7



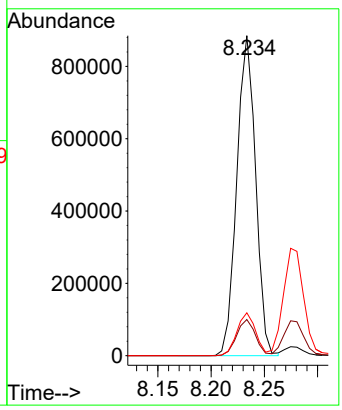


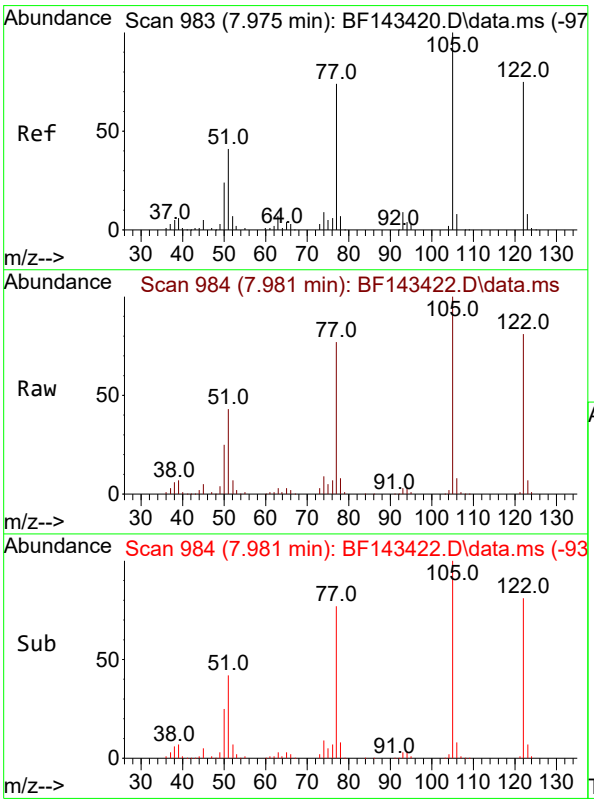
#31
Naphthalene
Concen: 58.181 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1088551

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.4	10.6	16.0

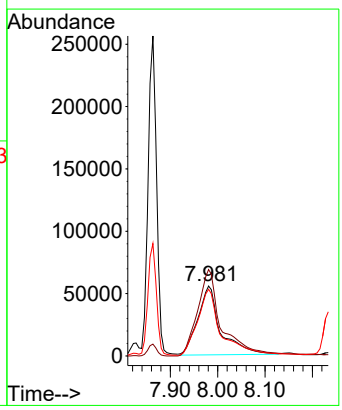


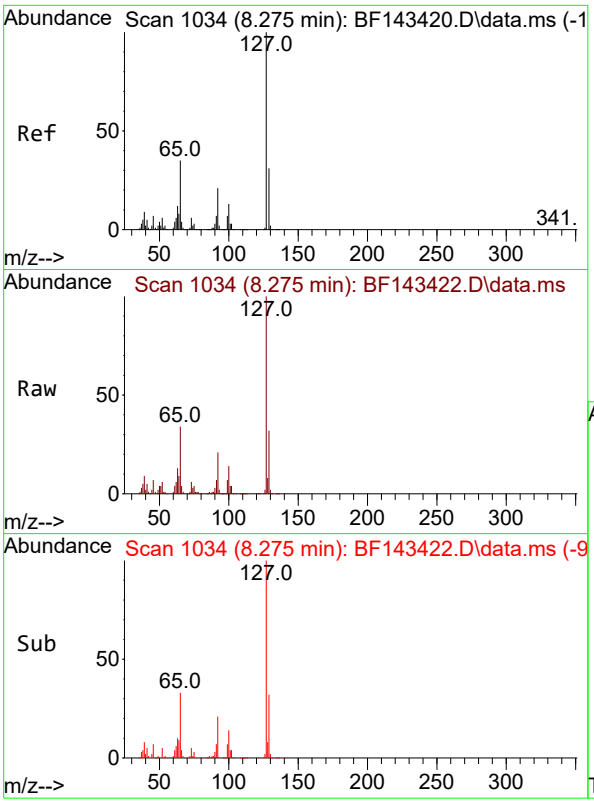


#32
Benzoic acid
Concen: 65.770 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:122 Resp: 185215

Ion	Ratio	Lower	Upper
122	100		
105	123.7	108.4	148.4
77	95.5	75.9	115.9



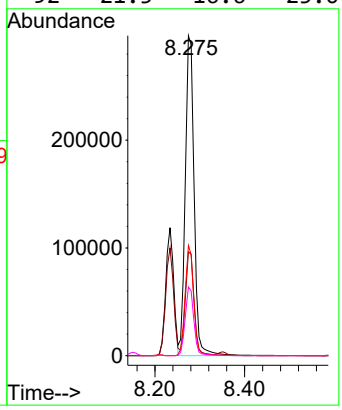


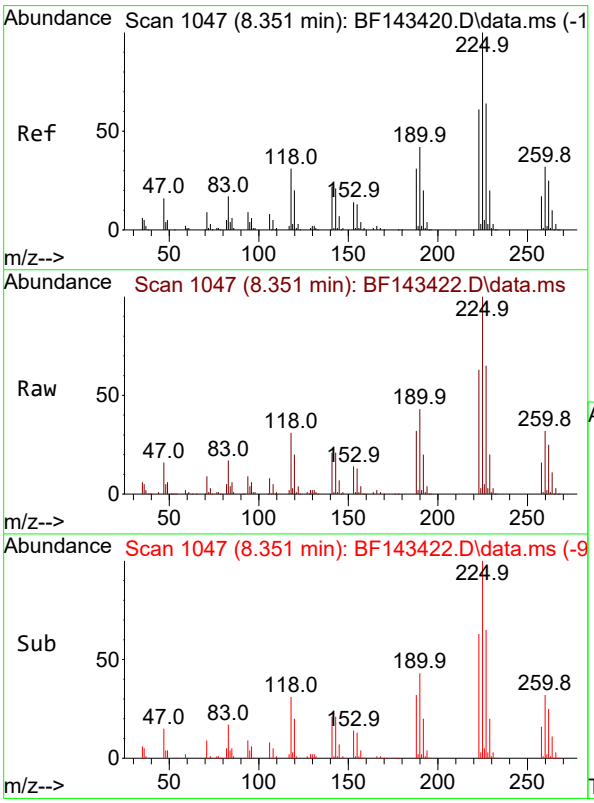
#33
4-Chloroaniline
Concen: 60.020 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 405337

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.8	38.8
65	34.4	27.2	40.8
92	21.5	16.6	25.0

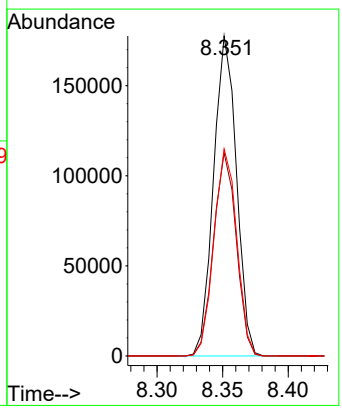


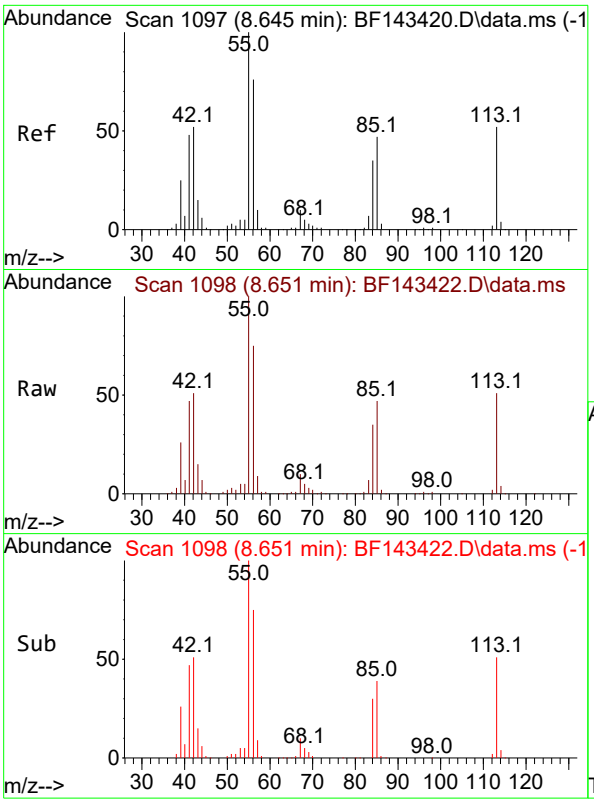


#34
Hexachlorobutadiene
Concen: 59.425 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:225 Resp: 215339

Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.0	73.6
227	64.7	51.1	76.7



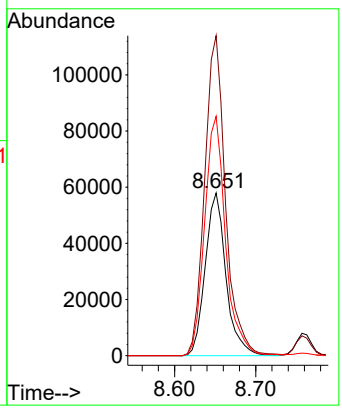


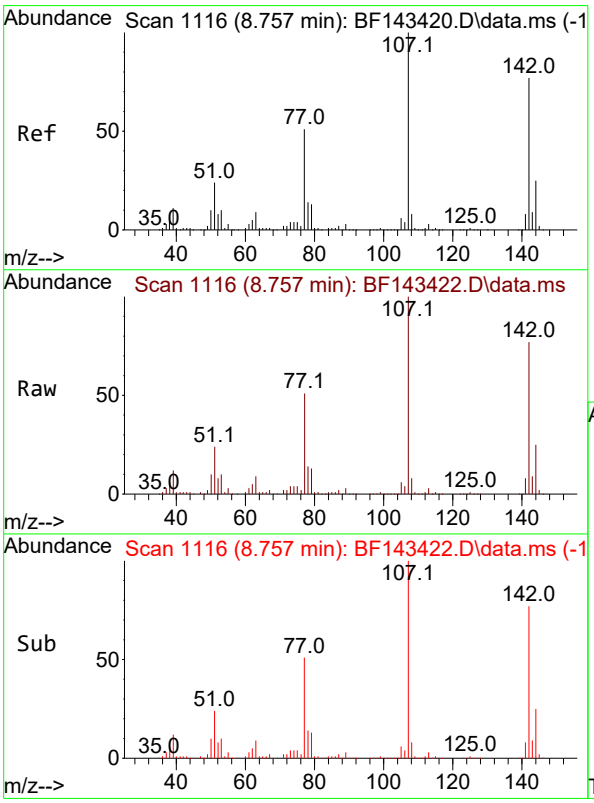
#35
Caprolactam
Concen: 64.503 ng
RT: 8.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 102996

Ion	Ratio	Lower	Upper
113	100		
55	196.7	174.7	214.7
56	147.2	127.0	167.0

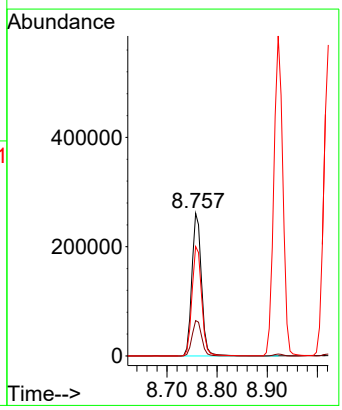


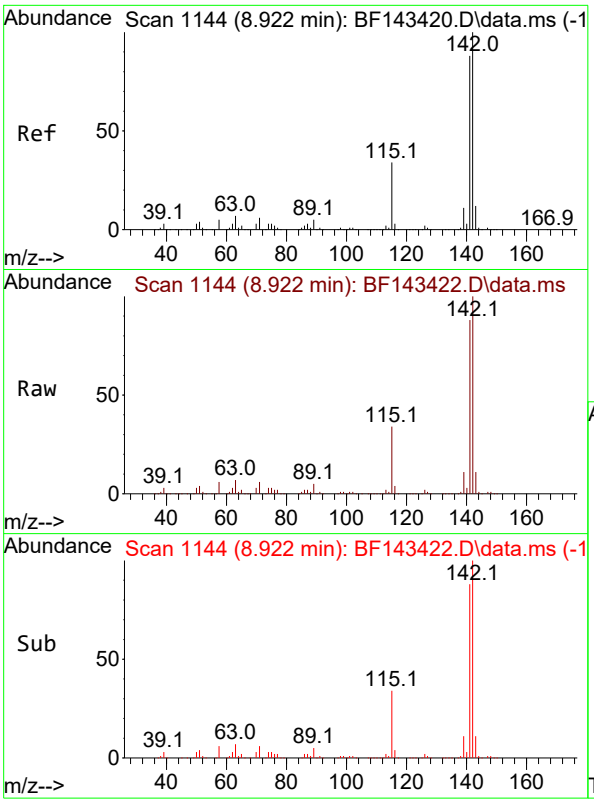


#36
4-Chloro-3-methylphenol
Concen: 60.776 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:107 Resp: 347155

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.2	30.2
142	76.7	62.0	93.0



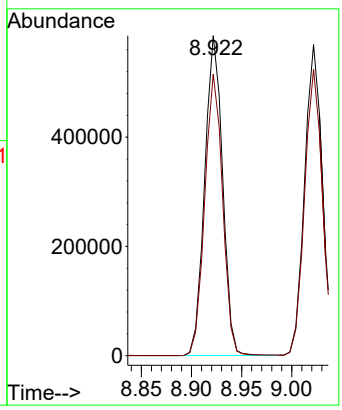


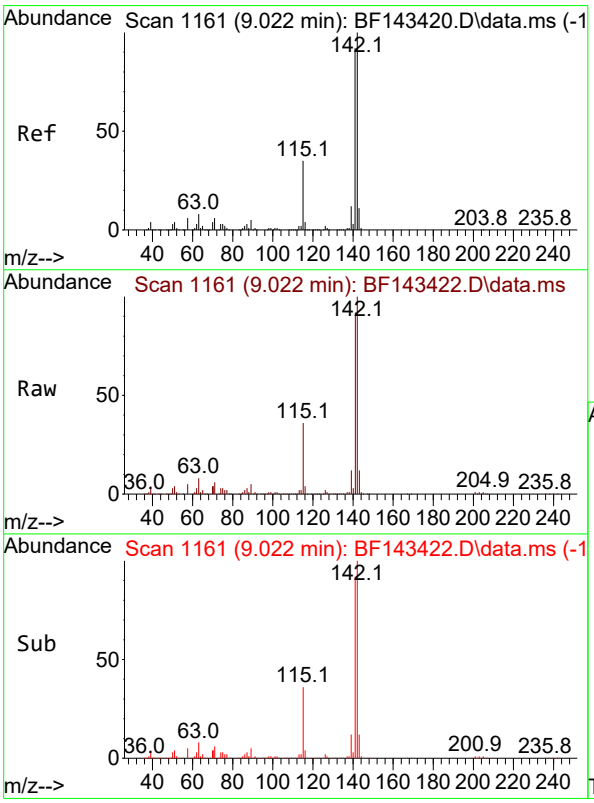
#37
2-Methylnaphthalene
Concen: 57.750 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 728301

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.3	105.5

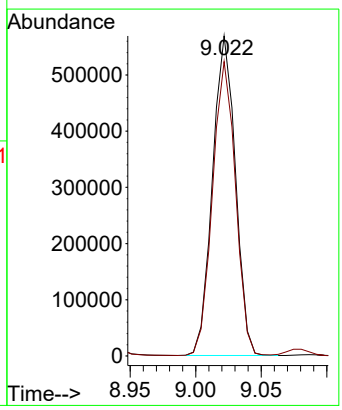


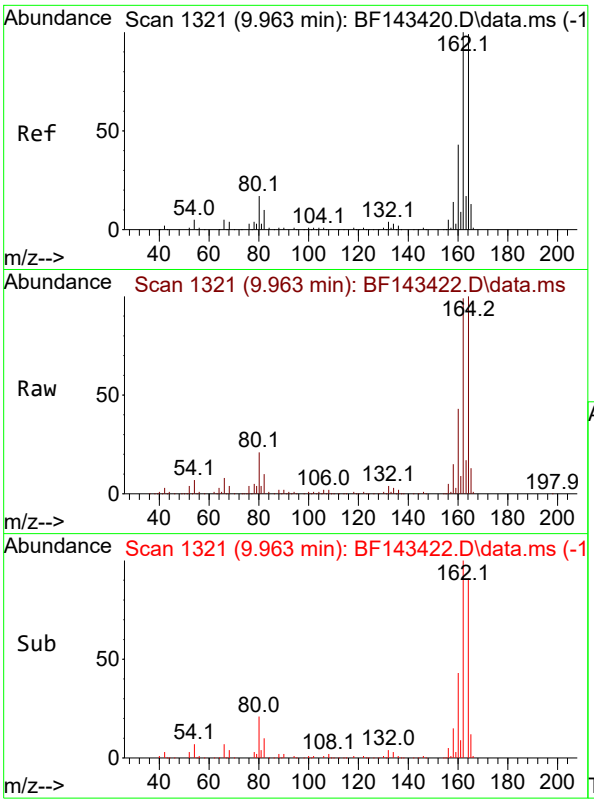


#38
1-Methylnaphthalene
Concen: 57.169 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:142 Resp: 690769

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.8	110.6



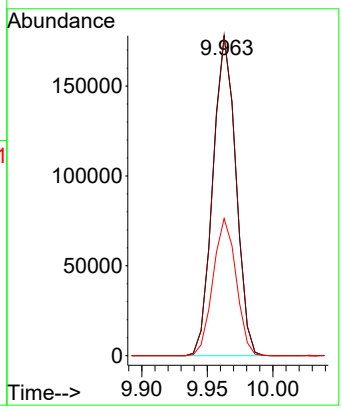


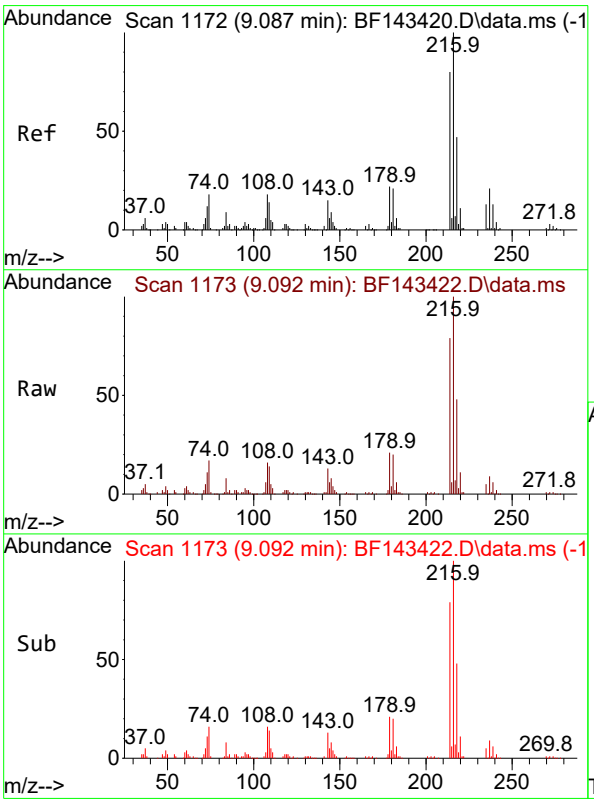
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 216471

Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.6	121.0
160	42.9	34.6	51.8

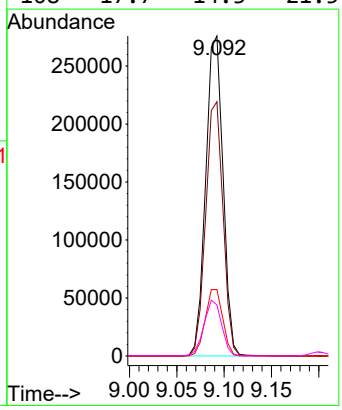


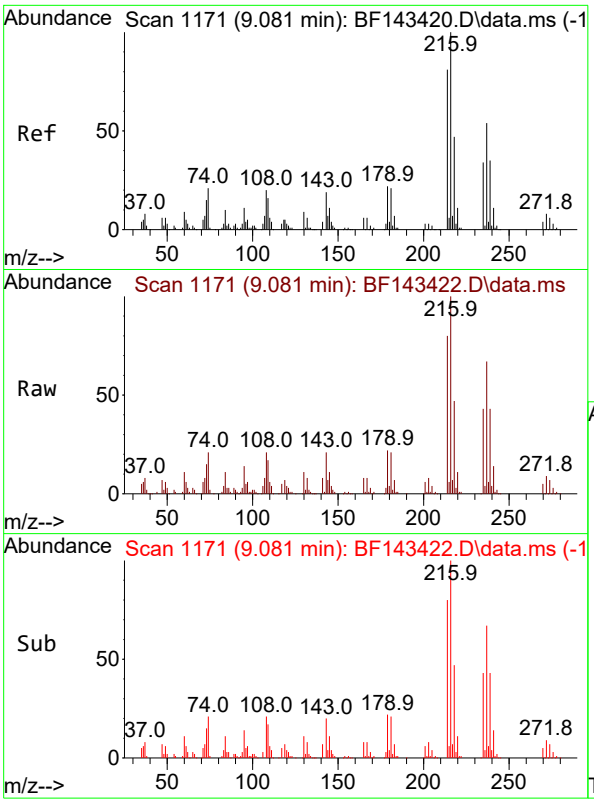


#40
1,2,4,5-Tetrachlorobenzene
Concen: 58.072 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:216 Resp: 350585

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.7	95.5
179	21.0	17.0	25.4
108	17.7	14.3	21.5



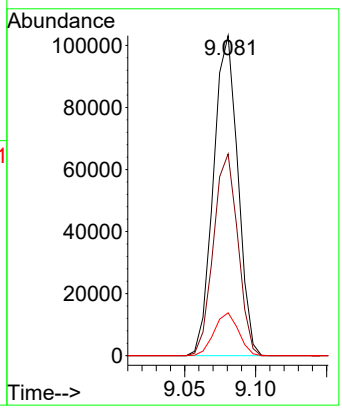


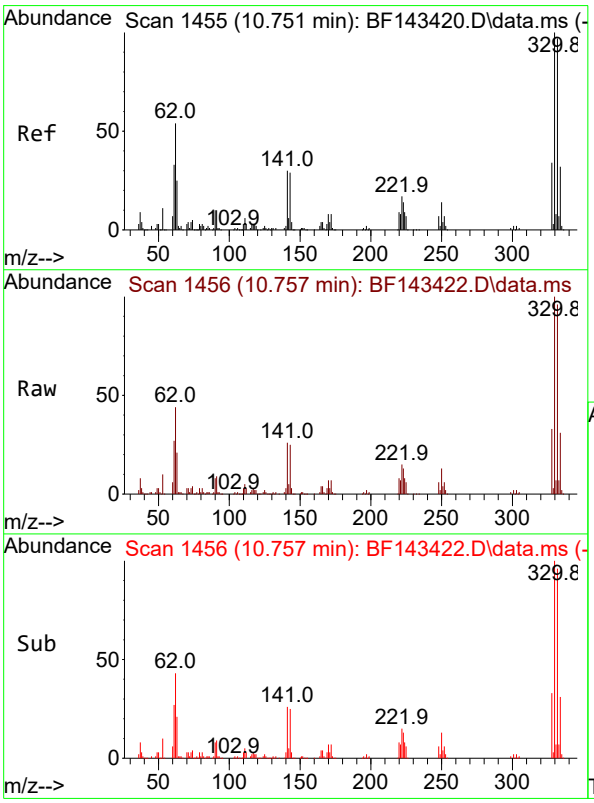
#41
Hexachlorocyclopentadiene
Concen: 58.008 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 123367

Ion	Ratio	Lower	Upper
237	100		
235	63.1	41.6	81.6
272	13.4	0.0	33.8

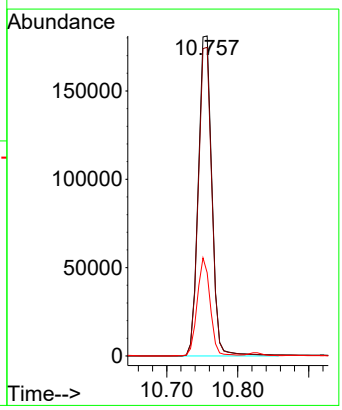


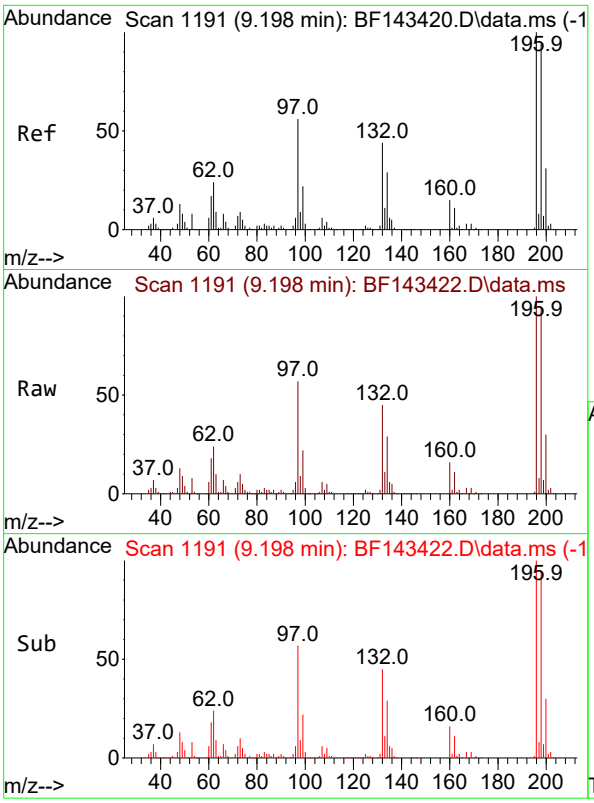


#42
2,4,6-Tribromophenol
Concen: 124.995 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:330 Resp: 240835

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.2
141	29.5	24.1	36.1



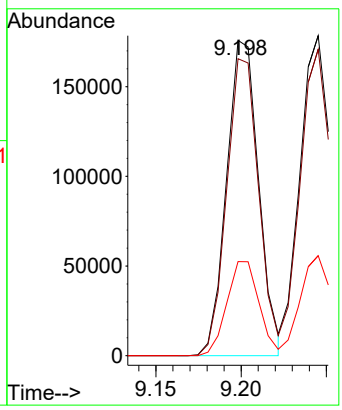


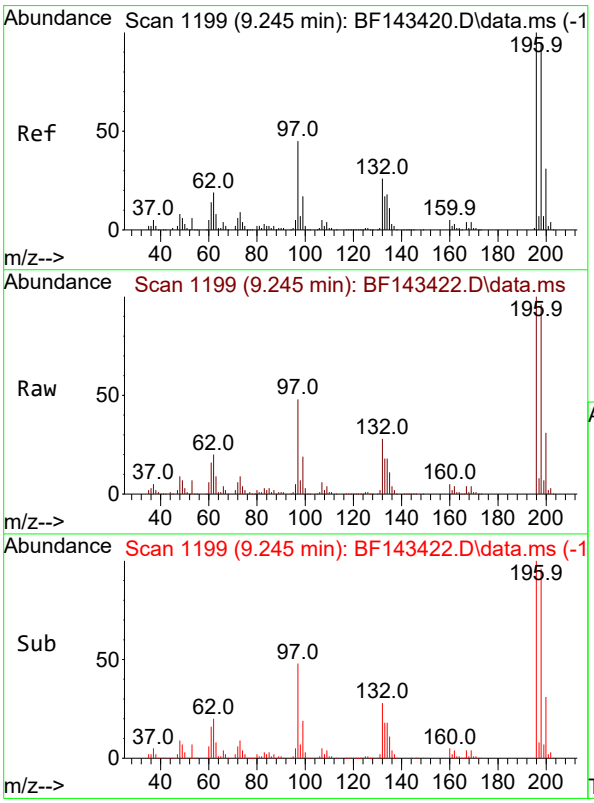
#43
2,4,6-Trichlorophenol
Concen: 61.072 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 229993

Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.4	113.2
200	29.8	24.7	37.1

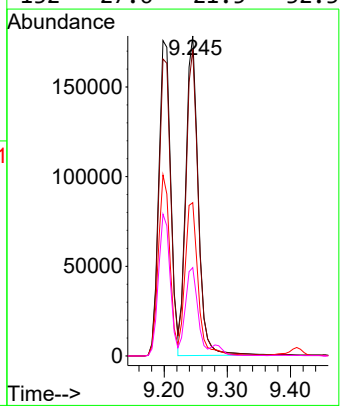


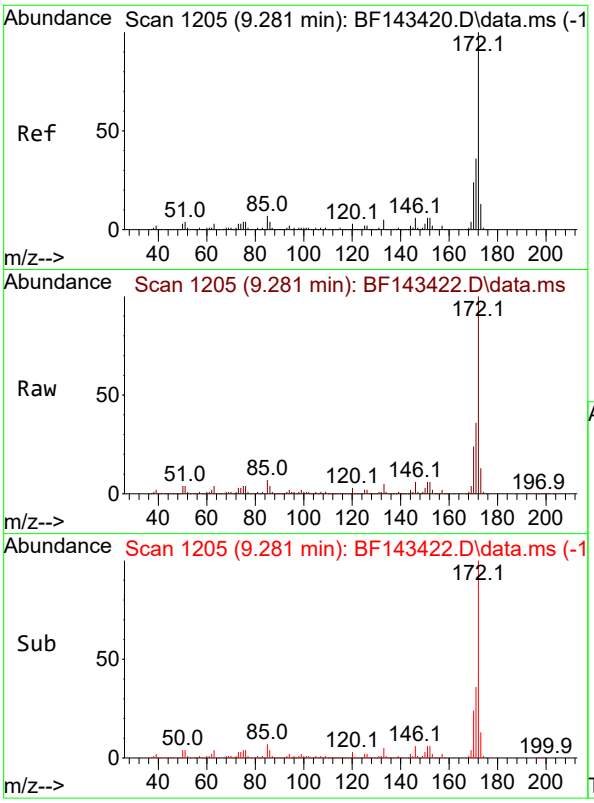


#44
2,4,5-Trichlorophenol
Concen: 60.587 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:196 Resp: 244578

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.4
97	47.9	36.6	55.0
132	27.6	21.5	32.3



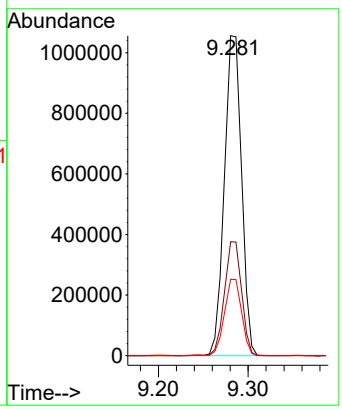


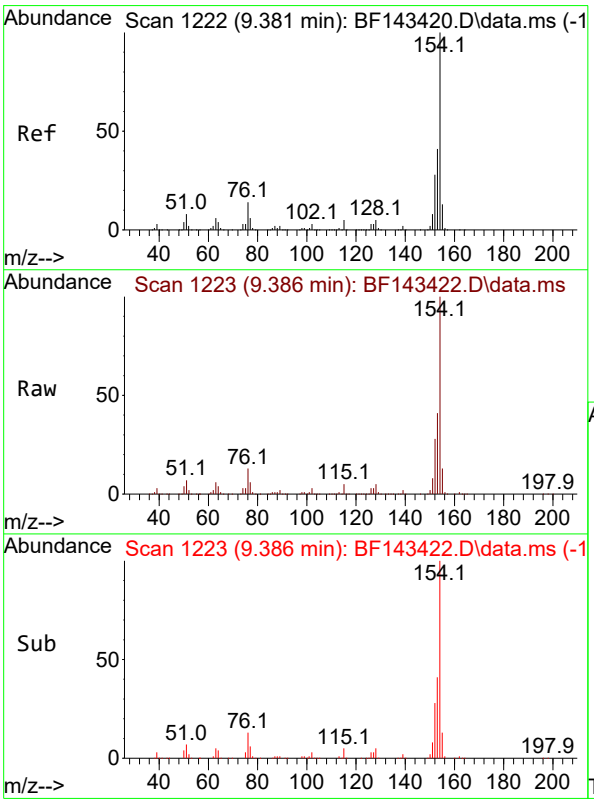
#45
2-Fluorobiphenyl
Concen: 109.206 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1405470

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.9	19.0	28.6

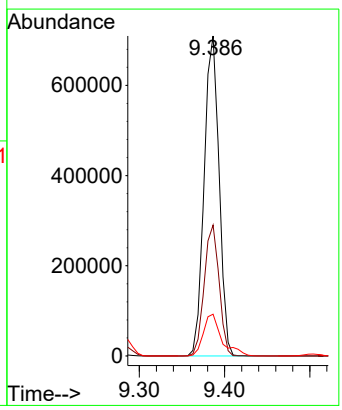


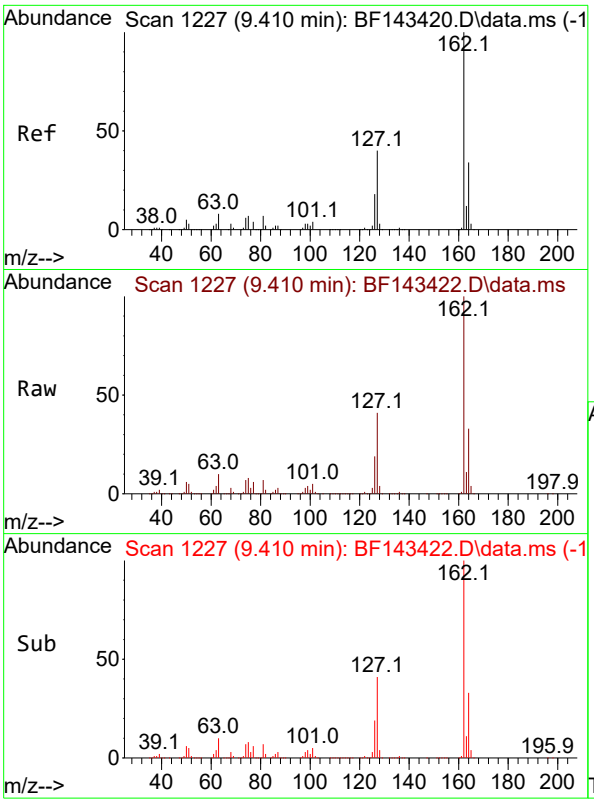


#46
1,1'-Biphenyl
Concen: 56.815 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:154 Resp: 864141

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.6	60.6
76	13.1	0.0	33.8



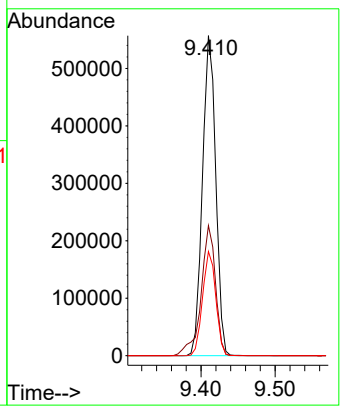


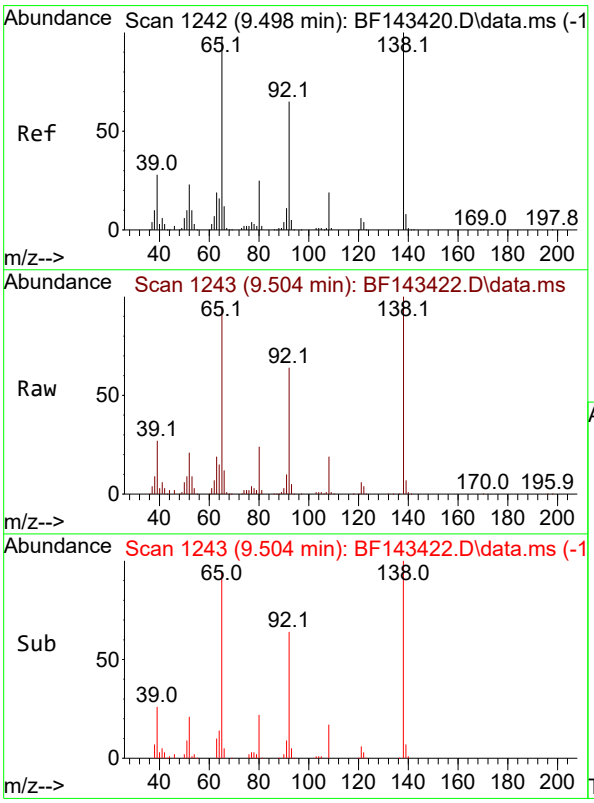
#47
2-Chloronaphthalene
Concen: 57.777 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 693668

Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.3	48.5
164	32.6	26.9	40.3

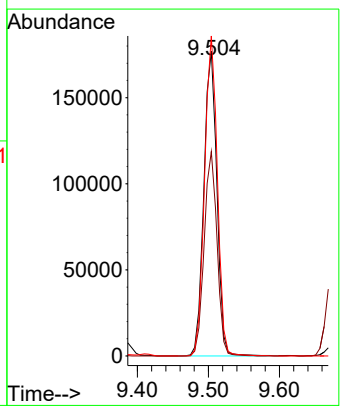


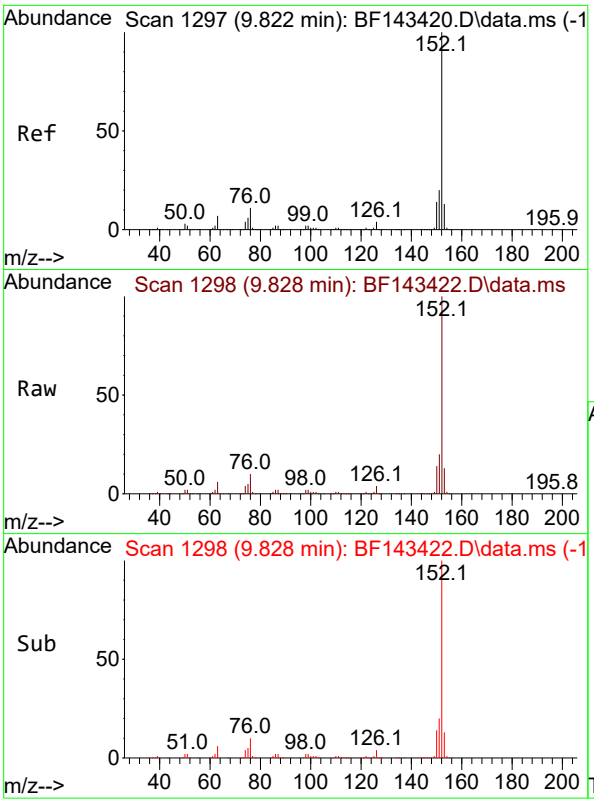


#48
2-Nitroaniline
Concen: 63.287 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 65 Resp: 226112

Ion	Ratio	Lower	Upper
65	100		
92	67.1	52.9	79.3
138	105.1	81.3	121.9



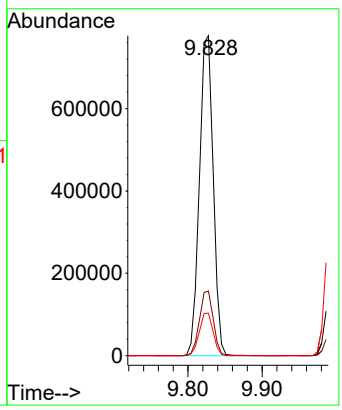


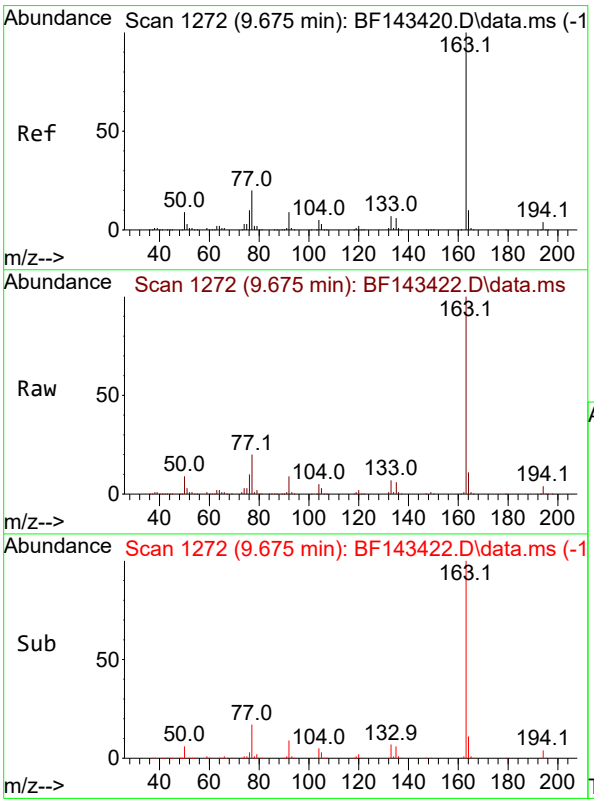
#49
Acenaphthylene
Concen: 58.256 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1009829

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.3	10.8	16.2

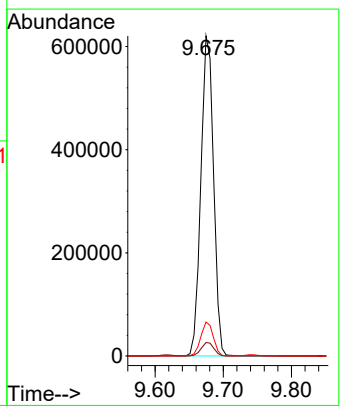


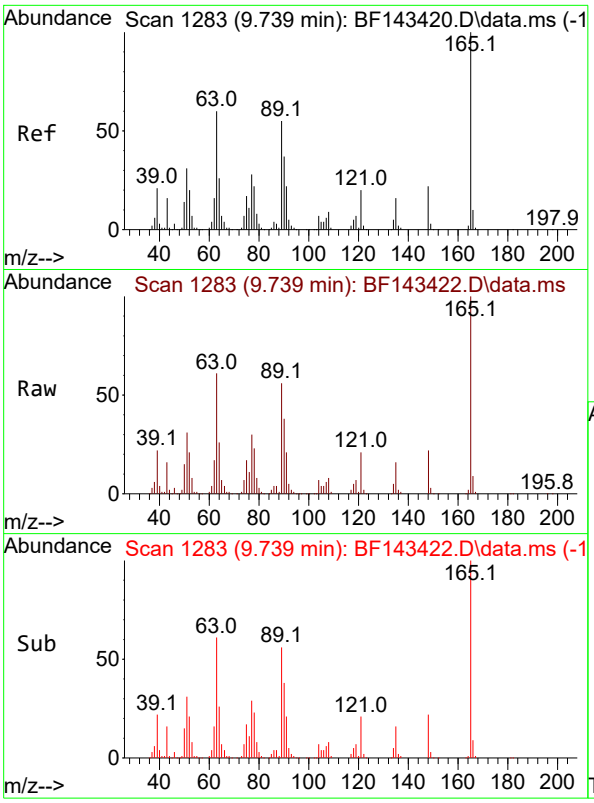


#50
Dimethylphthalate
Concen: 59.596 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:163 Resp: 804304

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.6	8.2	12.4



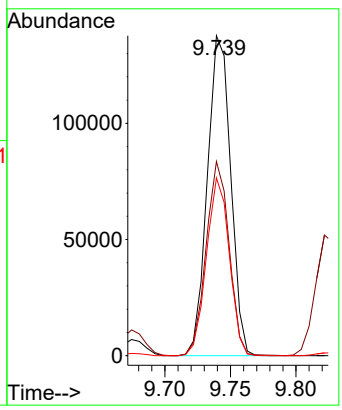


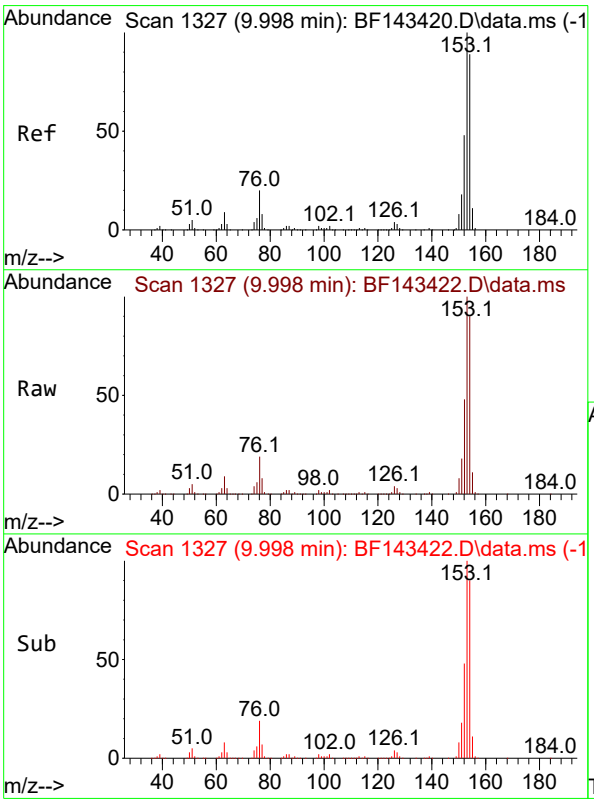
#51
2,6-Dinitrotoluene
Concen: 64.151 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 170673

Ion	Ratio	Lower	Upper
165	100		
63	60.7	48.2	72.2
89	55.5	44.2	66.2

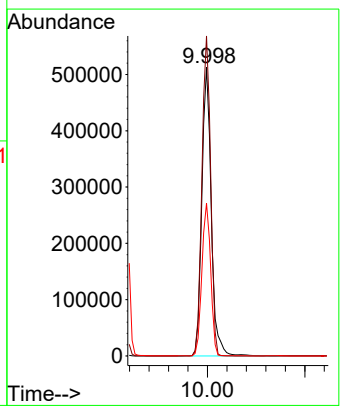


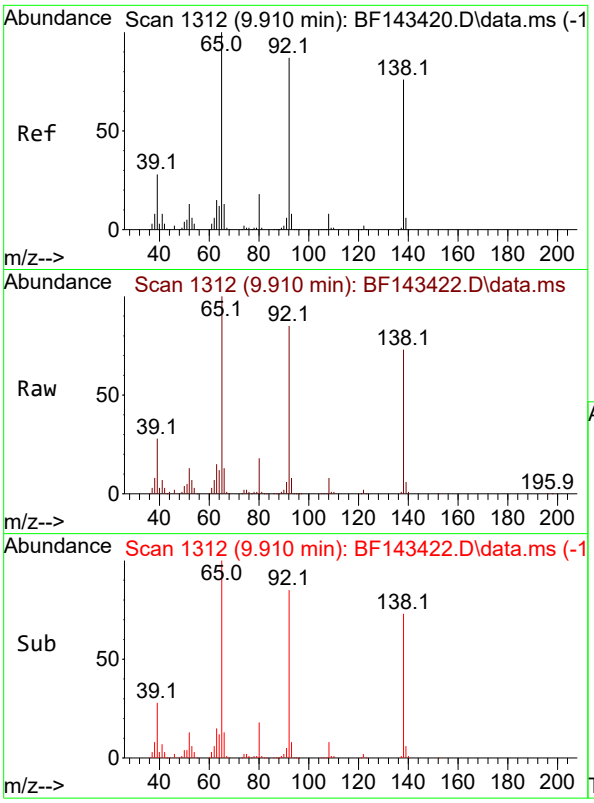


#52
Acenaphthene
Concen: 58.887 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:154 Resp: 686545

Ion	Ratio	Lower	Upper
154	100		
153	110.9	89.5	134.3
152	53.0	42.6	64.0



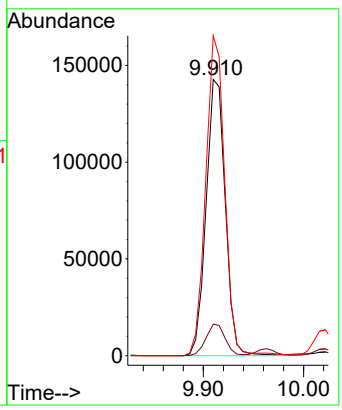


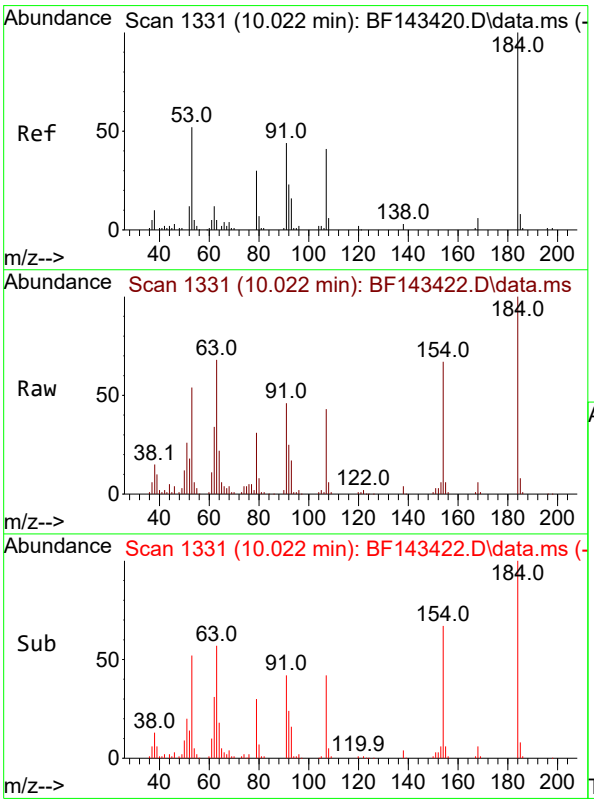
#53
3-Nitroaniline
Concen: 64.218 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 190315

Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.7	13.1
92	115.8	91.4	137.2

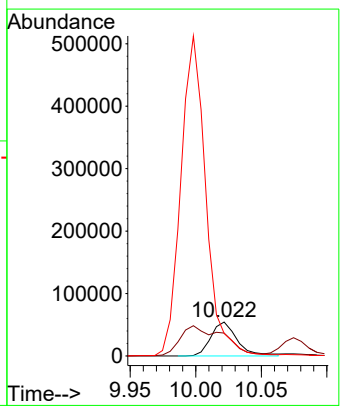


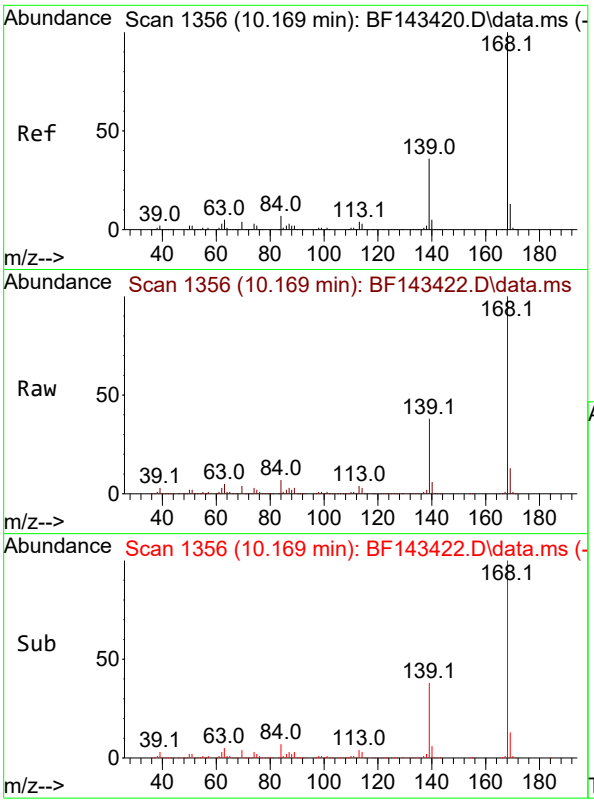


#54
2,4-Dinitrophenol
Concen: 62.767 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:184 Resp: 75977

Ion	Ratio	Lower	Upper
184	100		
63	67.5	53.2	79.8
154	66.5	51.3	76.9



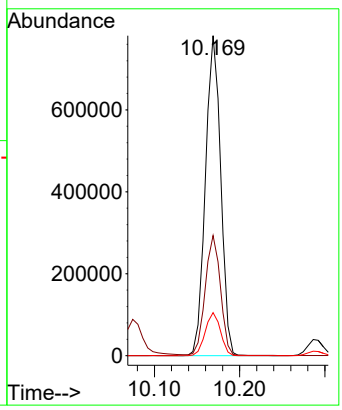


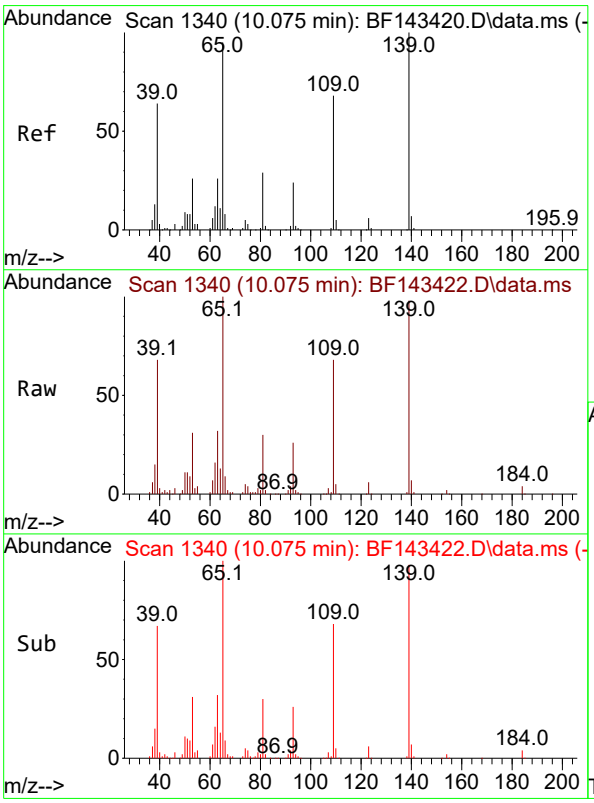
#55
Dibenzofuran
Concen: 57.822 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 972484

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.3	43.9
169	13.5	10.8	16.2

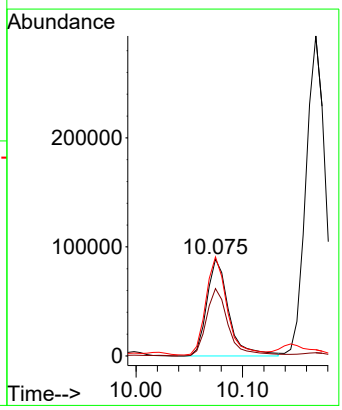


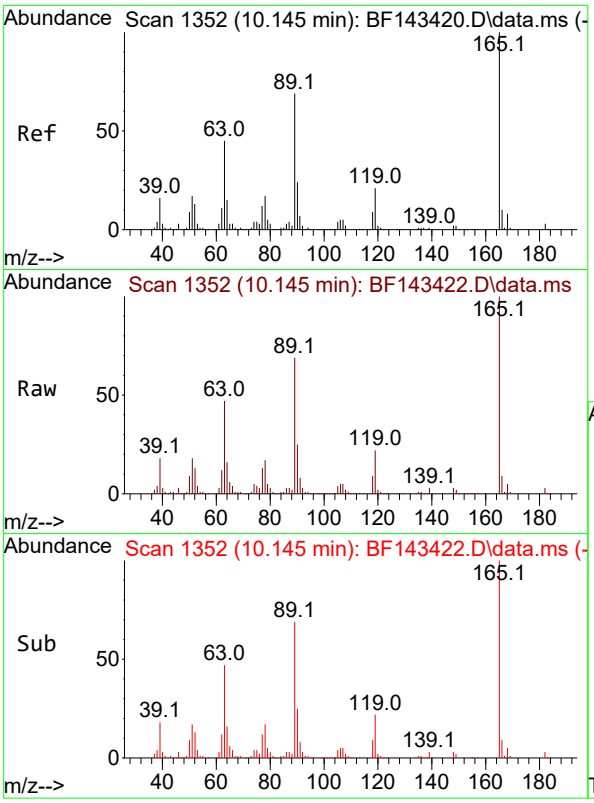


#56
4-Nitrophenol
Concen: 68.171 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:139 Resp: 127015

Ion	Ratio	Lower	Upper
139	100		
109	69.6	47.7	87.7
65	102.3	76.4	116.4



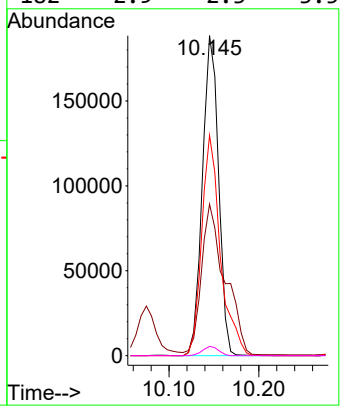


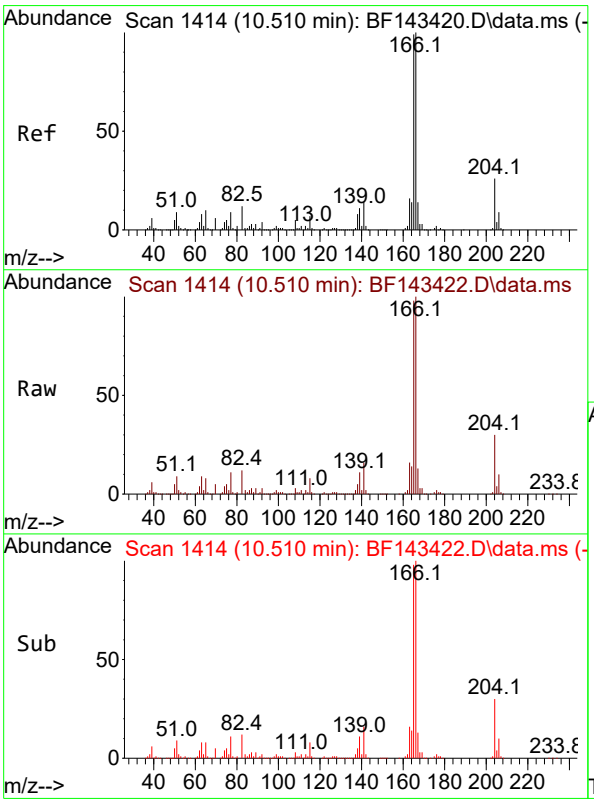
#57
2,4-Dinitrotoluene
Concen: 66.446 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 235687

Ion	Ratio	Lower	Upper
165	100		
63	47.3	37.0	55.6
89	68.9	55.4	83.0
182	2.9	2.3	3.5

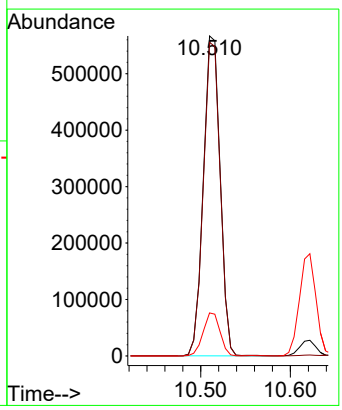


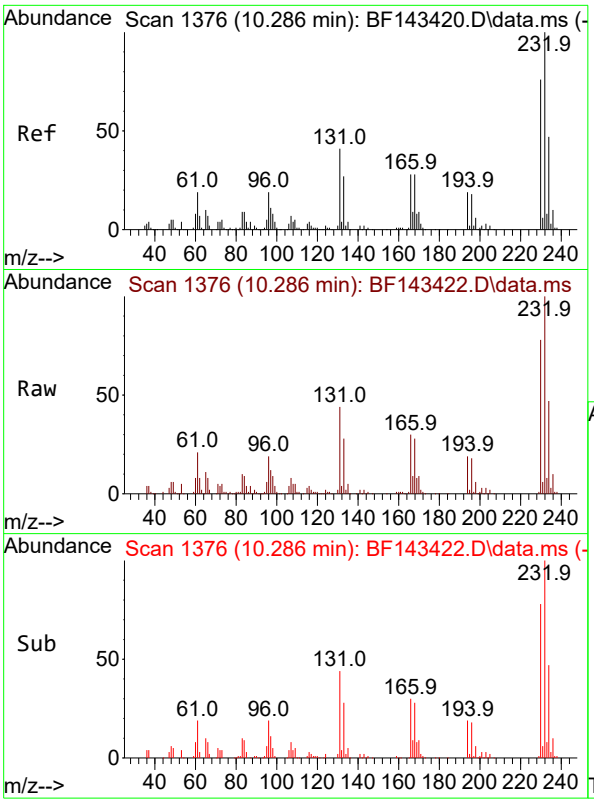


#58
Fluorene
Concen: 57.102 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:166 Resp: 737784

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.0	118.6
167	13.5	10.9	16.3



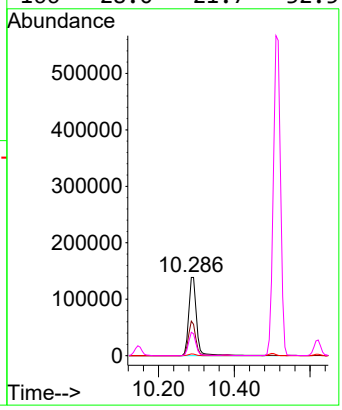


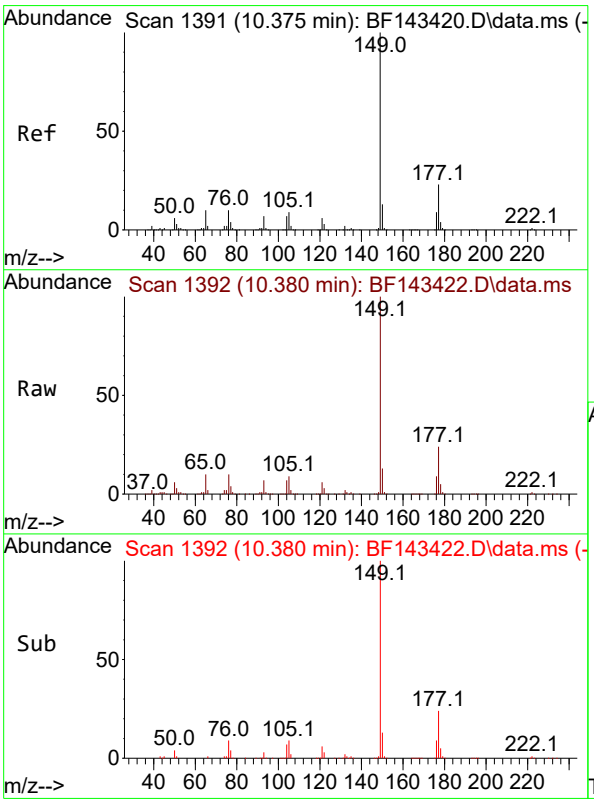
#59
2,3,4,6-Tetrachlorophenol
Concen: 65.147 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 199075

Ion	Ratio	Lower	Upper
232	100		
131	41.0	32.0	48.0
130	2.0	1.7	2.5
166	28.0	21.7	32.5

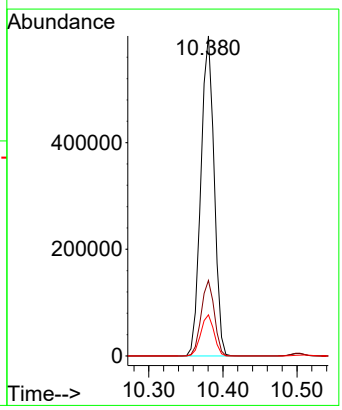


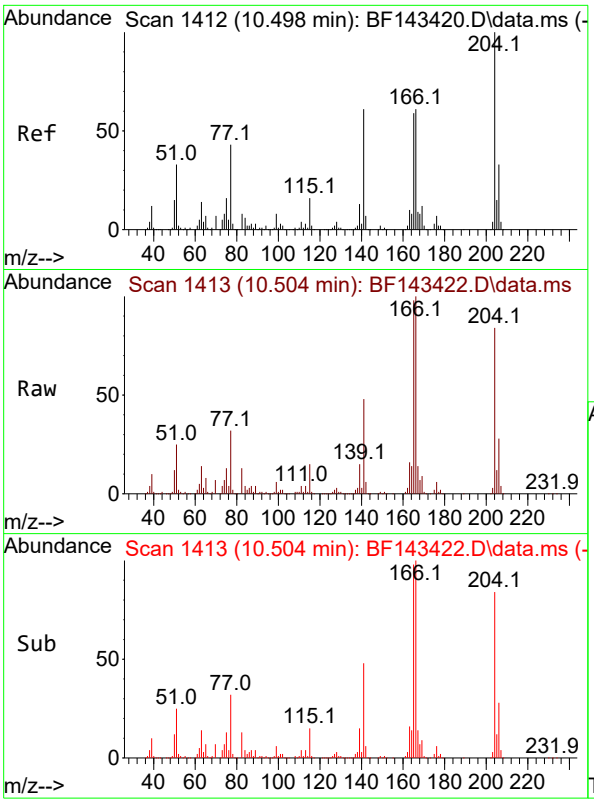


#60
Diethylphthalate
Concen: 59.893 ng
RT: 10.380 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:149 Resp: 746953

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.2	27.4
150	12.8	10.1	15.1



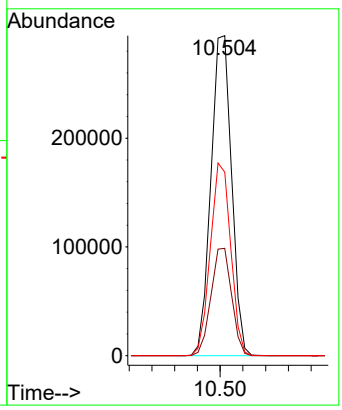


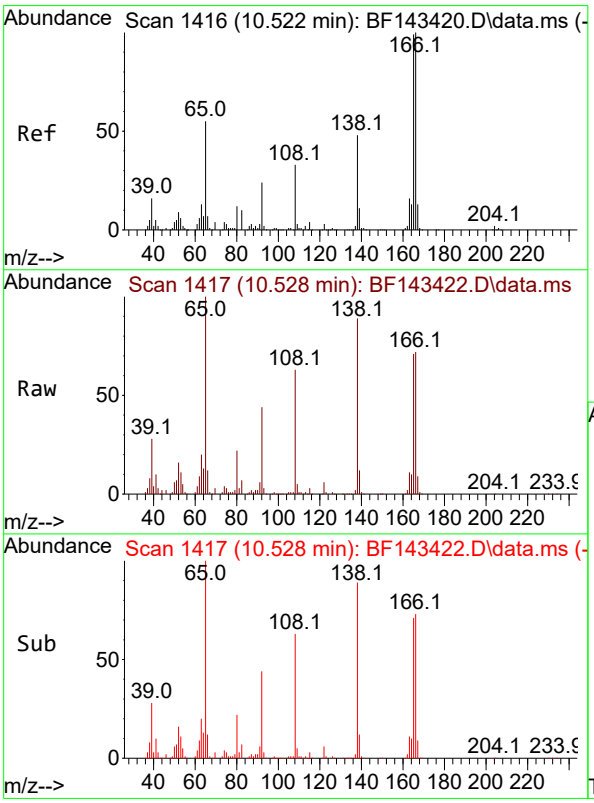
#61
4-Chlorophenyl-phenylether
Concen: 58.290 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 372354

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.5	39.7
141	57.4	49.0	73.4

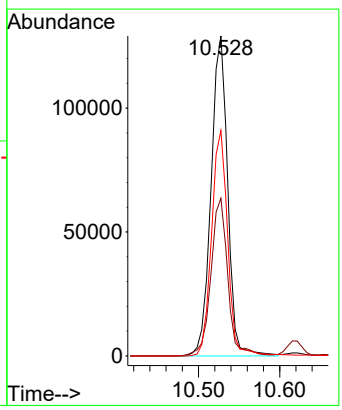


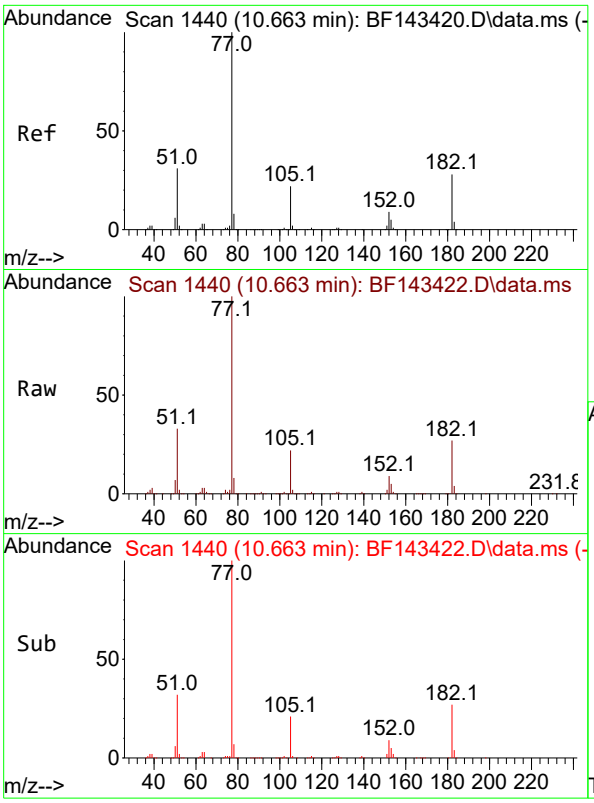


#62
4-Nitroaniline
Concen: 66.220 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:138 Resp: 183532

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.4	69.4
108	70.5	48.6	88.6



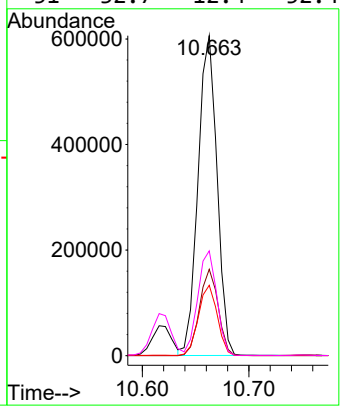


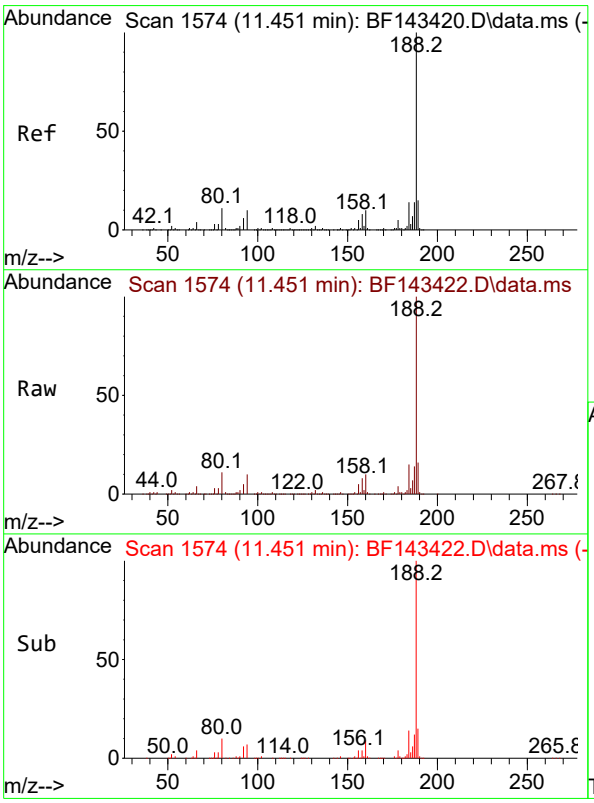
#63
Azobenzene
Concen: 59.640 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 751747

Ion	Ratio	Lower	Upper
77	100		
182	27.0	7.4	47.4
105	22.0	1.7	41.7
51	32.7	12.4	52.4

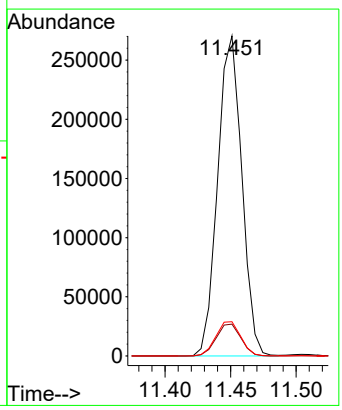


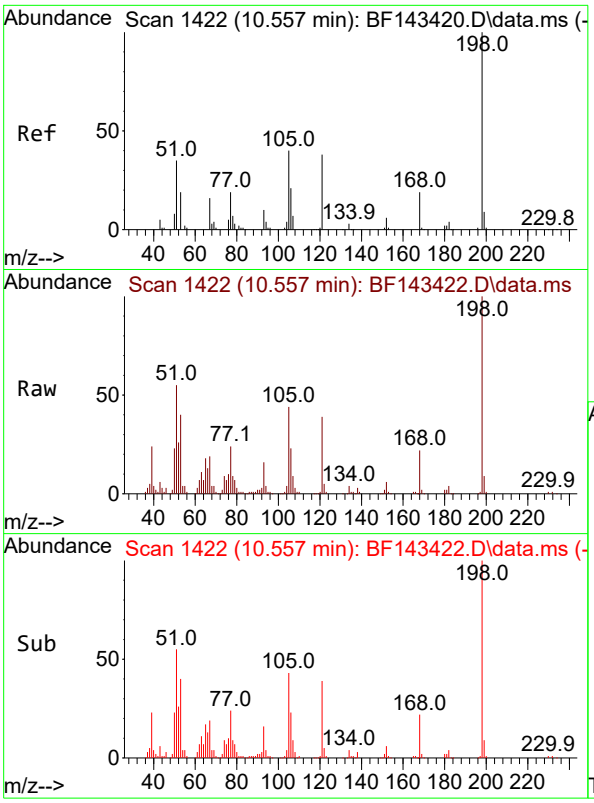


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:188 Resp: 345949

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.7	8.6	12.8



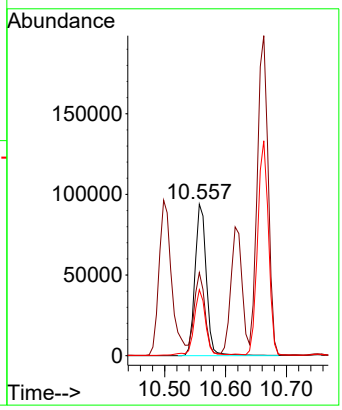


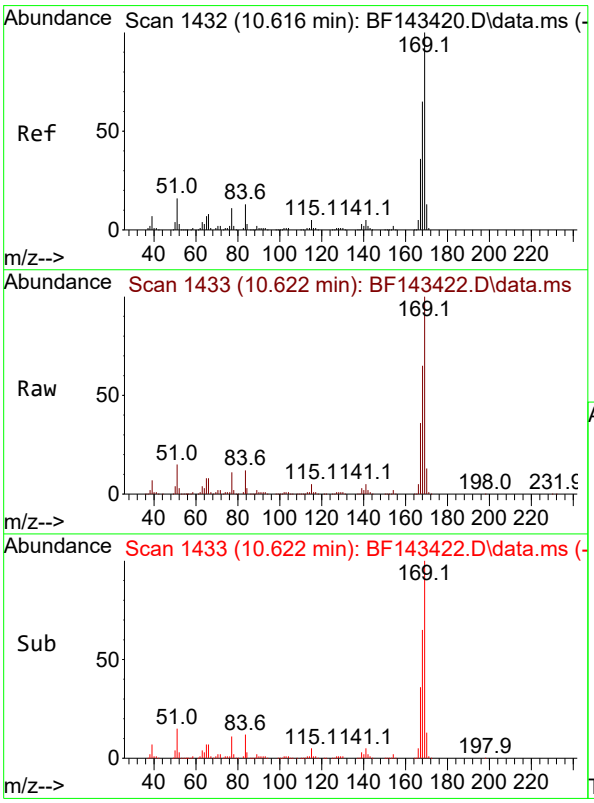
#65
4,6-Dinitro-2-methylphenol
Concen: 68.289 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 121894

Ion	Ratio	Lower	Upper
198	100		
51	54.9	31.2	71.2
105	43.5	21.7	61.7

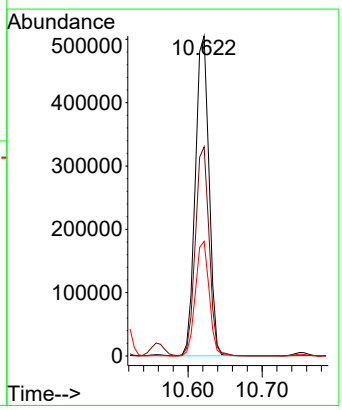


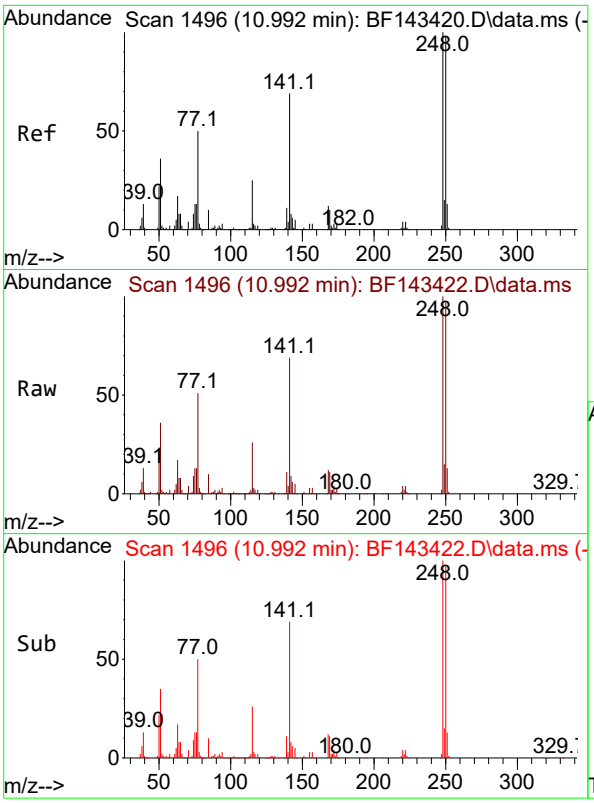


#66
n-Nitrosodiphenylamine
Concen: 57.518 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:169 Resp: 646995

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.5	78.7
167	35.8	28.6	42.8



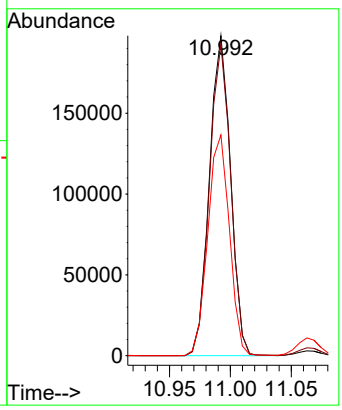


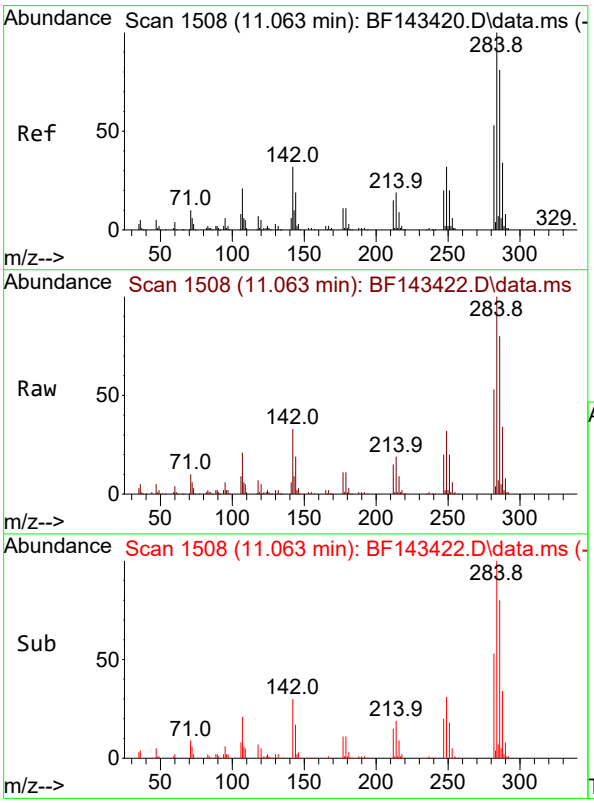
#67
4-Bromophenyl-phenylether
Concen: 58.650 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 239597

Ion	Ratio	Lower	Upper
248	100		
250	97.3	78.6	118.0
141	69.0	54.9	82.3

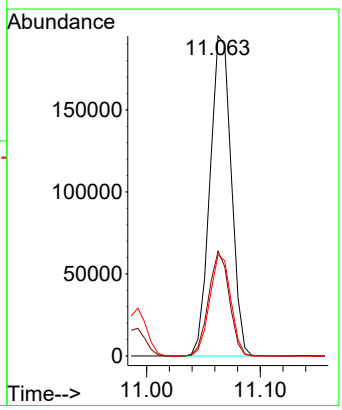


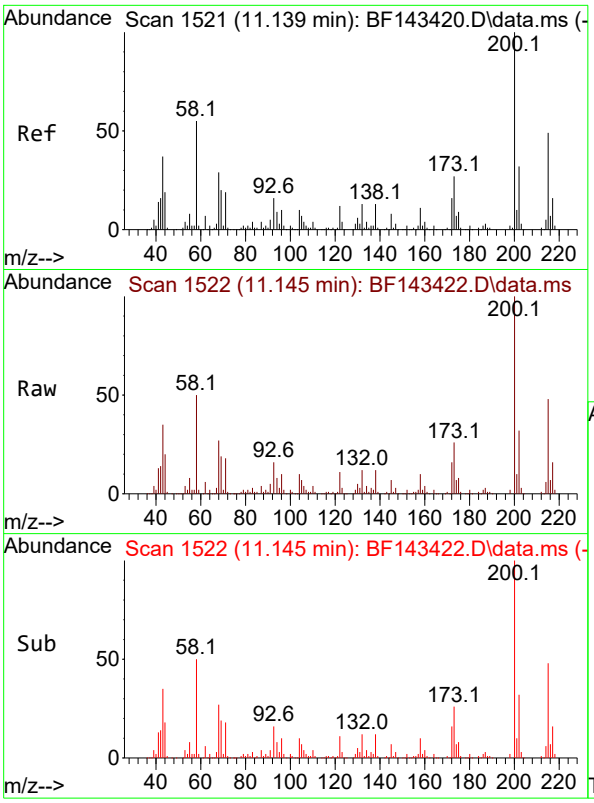


#68
Hexachlorobenzene
Concen: 58.367 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:284 Resp: 253488

Ion	Ratio	Lower	Upper
284	100		
142	32.7	25.4	38.2
249	31.6	25.4	38.0



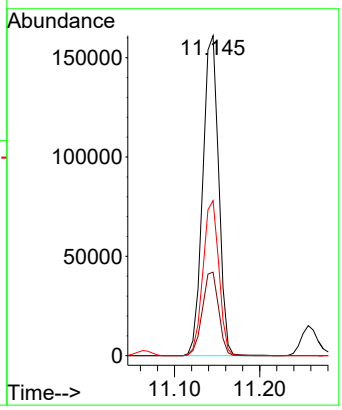


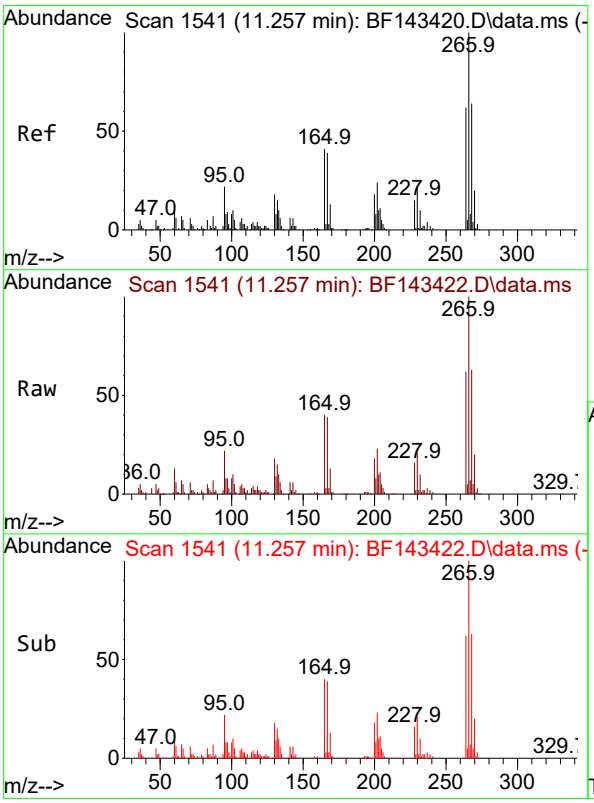
#69
Atrazine
Concen: 63.468 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 208818

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.6	46.6
215	48.5	29.5	69.5

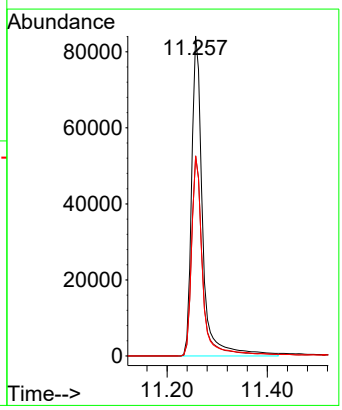


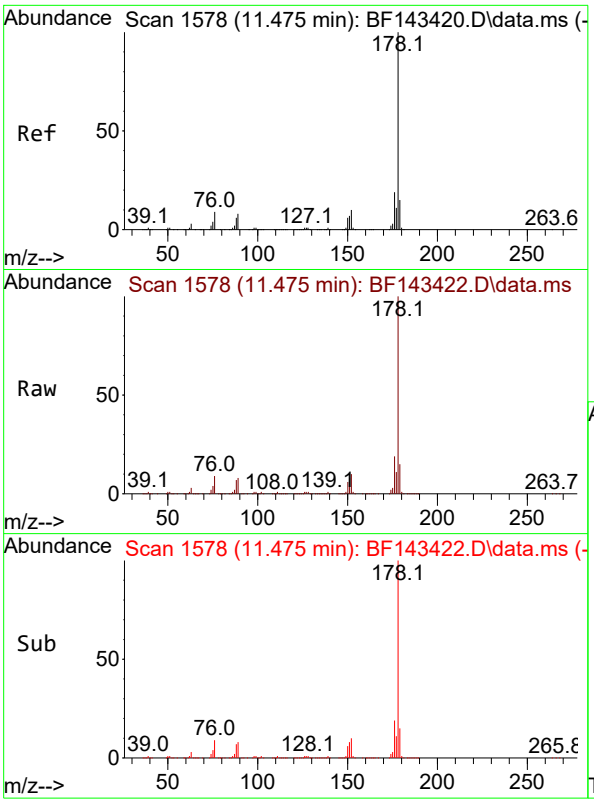


#70
Pentachlorophenol
Concen: 66.328 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:266 Resp: 127891

Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.0	76.6
264	62.4	49.3	73.9



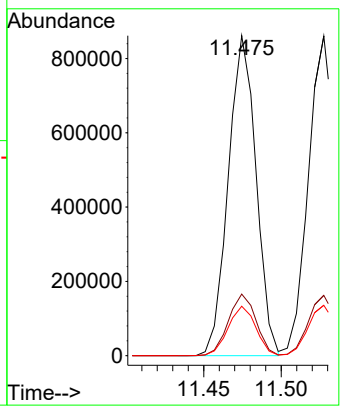


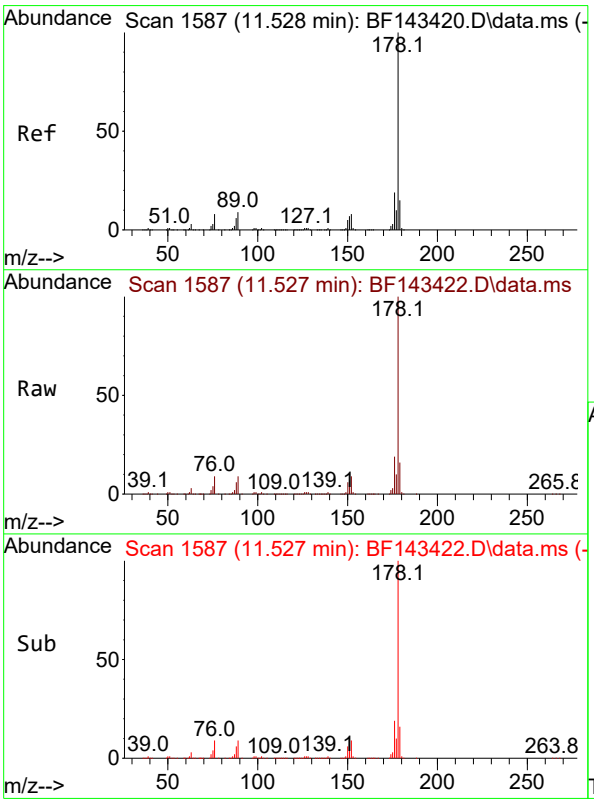
#71
Phenanthrene
Concen: 57.303 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1073495

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.3	18.5

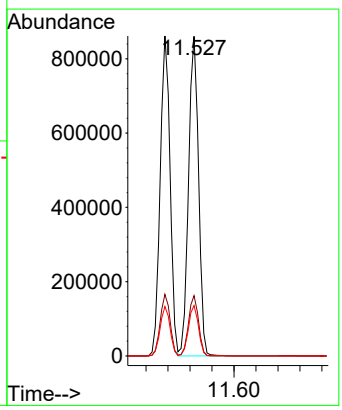


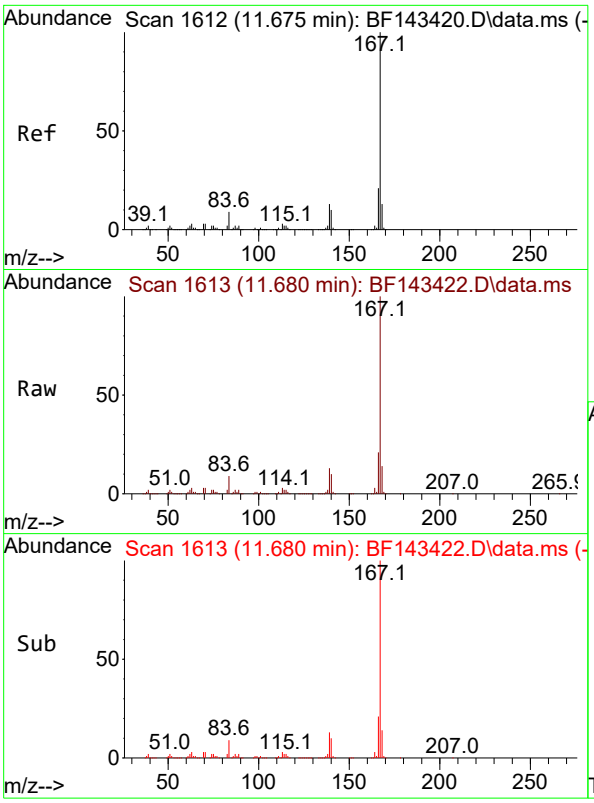


#72
Anthracene
Concen: 57.323 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:178 Resp: 1084628

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.8	12.2	18.4



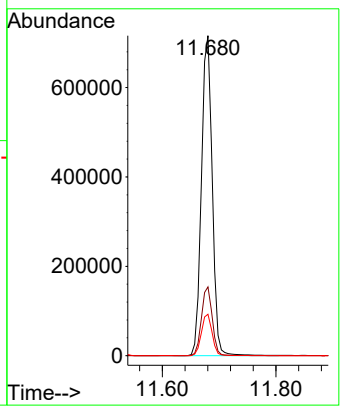


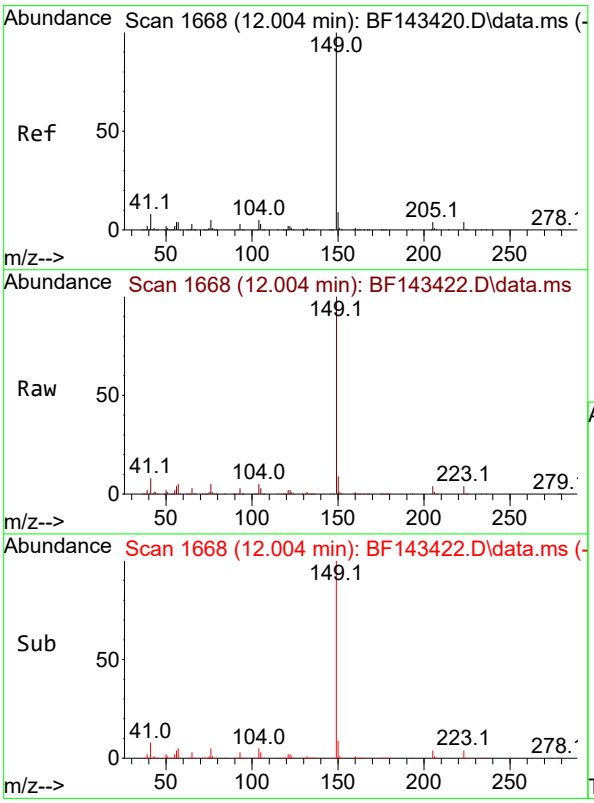
#73
Carbazole
Concen: 59.003 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 944227

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	13.0	10.1	15.1

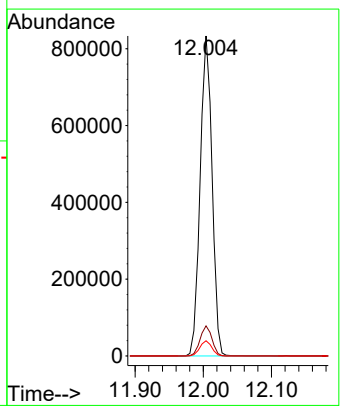


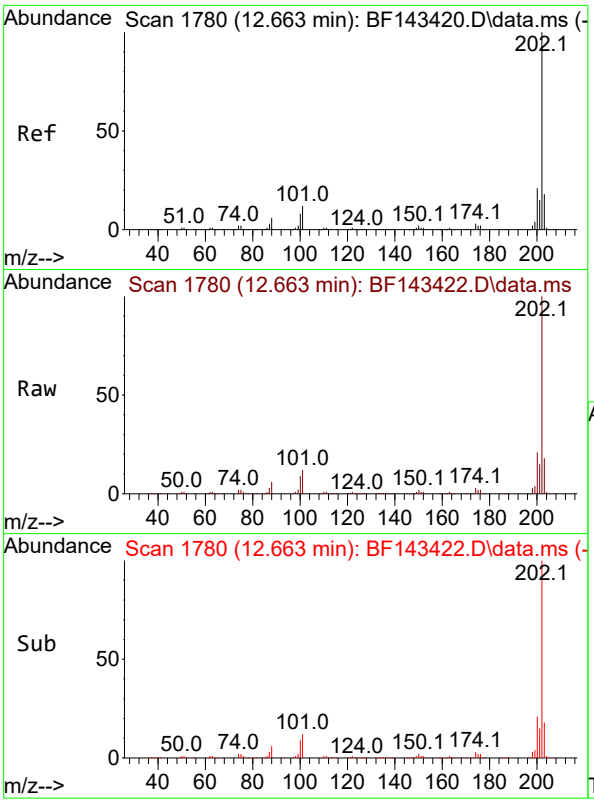


#74
Di-n-butylphthalate
Concen: 63.470 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:149 Resp: 1011466

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.8	3.8	5.6



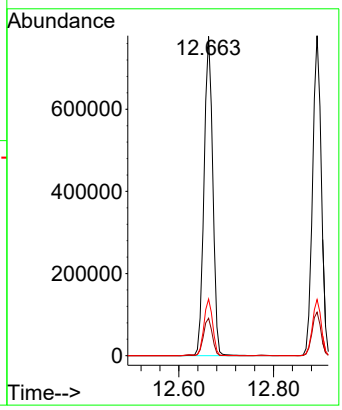


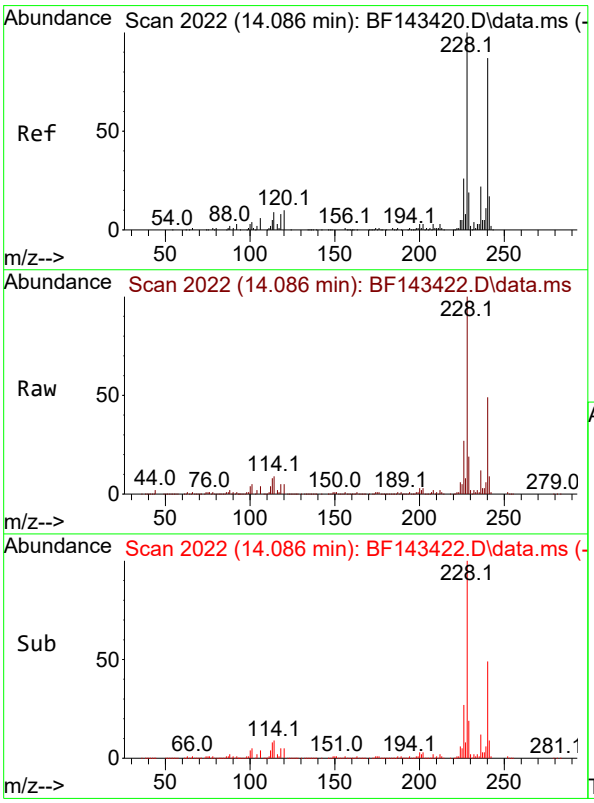
#75
Fluoranthene
Concen: 59.543 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 991147

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.5
203	17.7	0.0	37.5

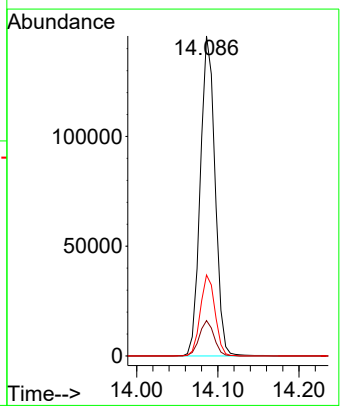


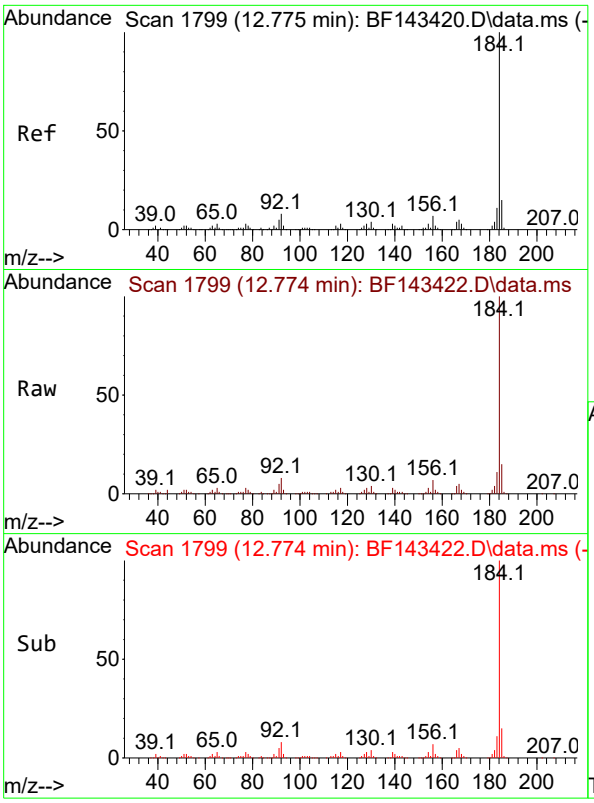


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:240 Resp: 183739

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.0	13.4
236	25.3	20.2	30.2



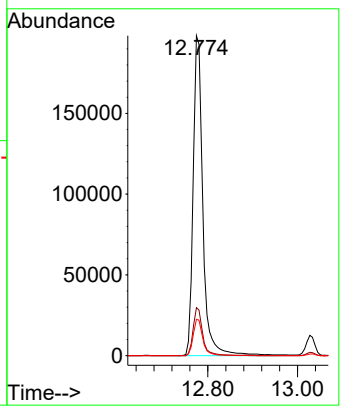


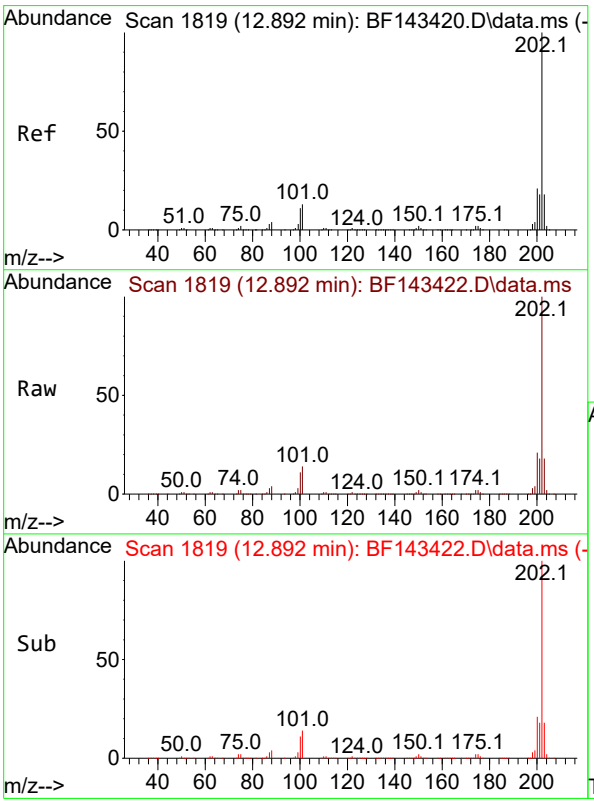
#77
Benzidine
Concen: 57.369 ng
RT: 12.774 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 298398

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.2	18.2
183	11.4	9.2	13.8

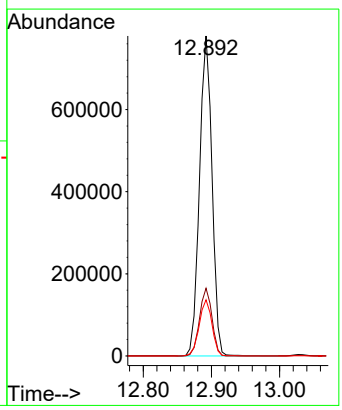


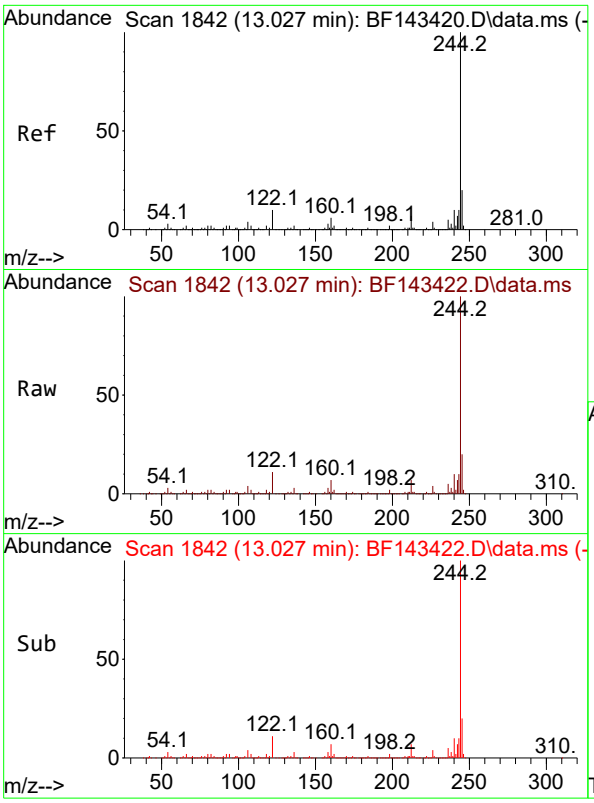


#78
Pyrene
Concen: 62.306 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:202 Resp: 995037

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.5	14.2	21.2



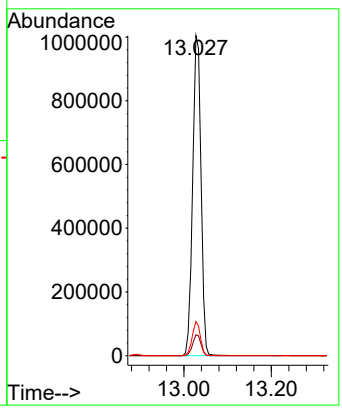


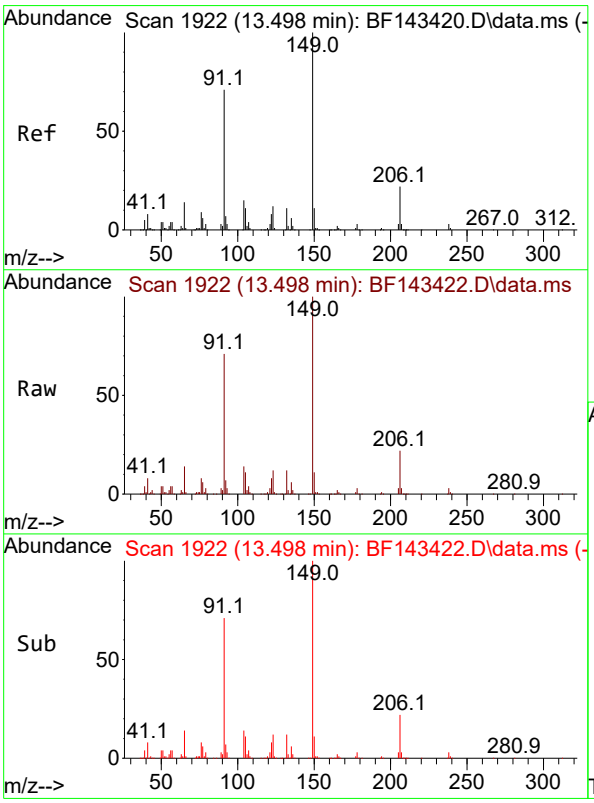
#79
Terphenyl-d14
Concen: 122.168 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1336250

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.6	8.3	12.5

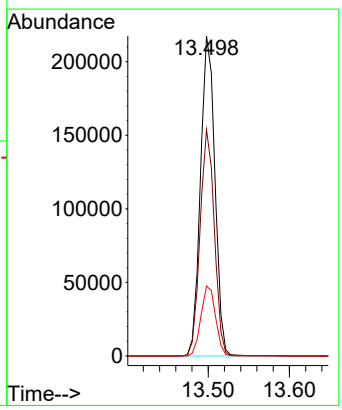


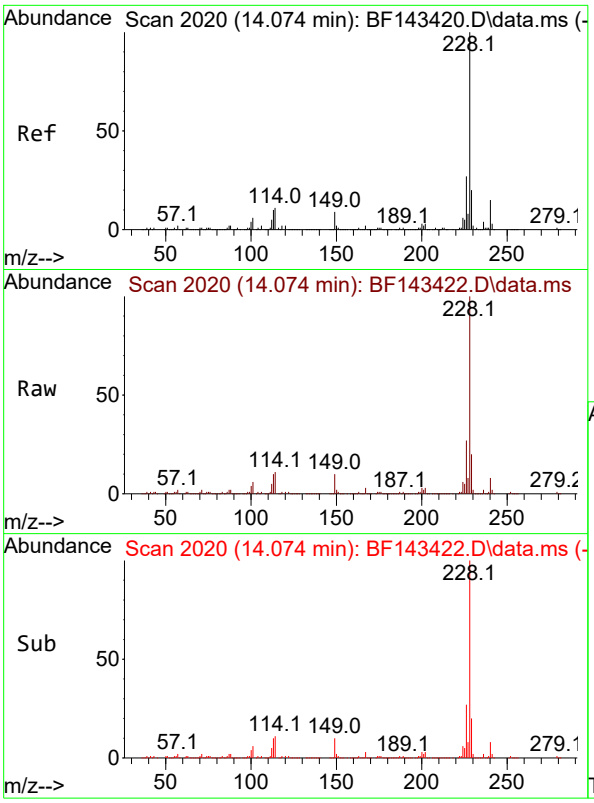


#80
Butylbenzylphthalate
Concen: 67.834 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:149 Resp: 268326

Ion	Ratio	Lower	Upper
149	100		
91	70.7	57.0	85.4
206	21.9	17.6	26.4



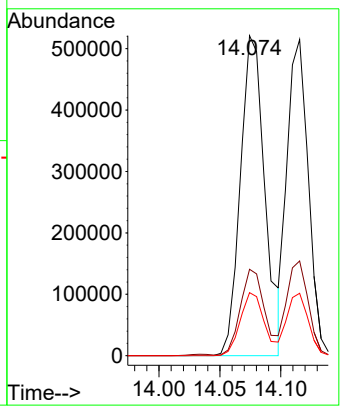


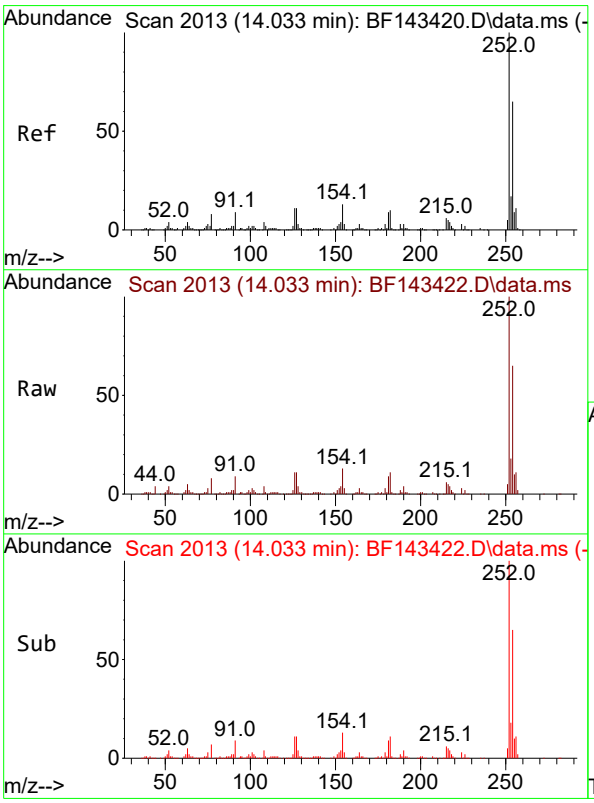
#81
Benzo(a)anthracene
Concen: 62.671 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 733117

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.5	32.3
229	19.7	15.7	23.5

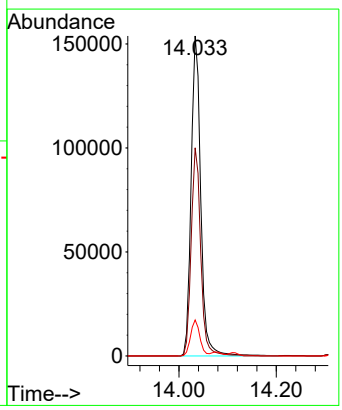


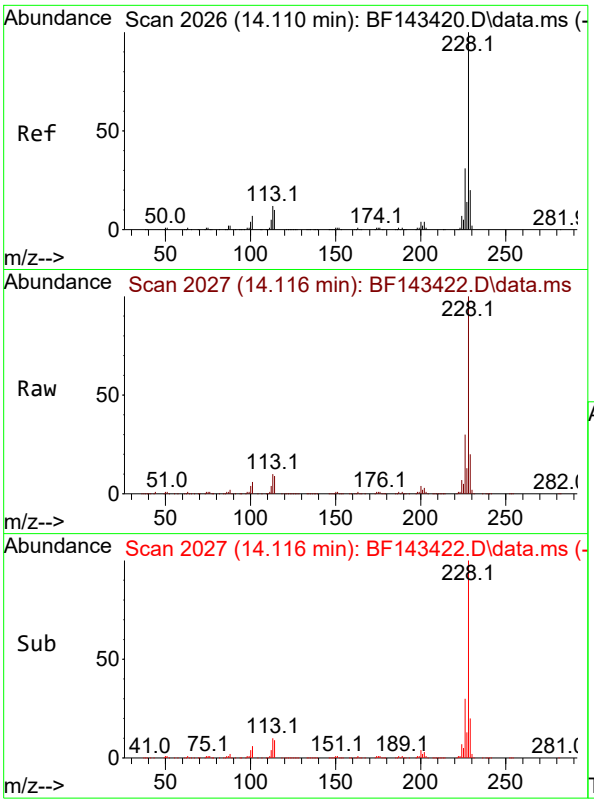


#82
3,3'-Dichlorobenzidine
Concen: 62.021 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:252 Resp: 212422

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.6	77.4
126	11.2	8.8	13.2



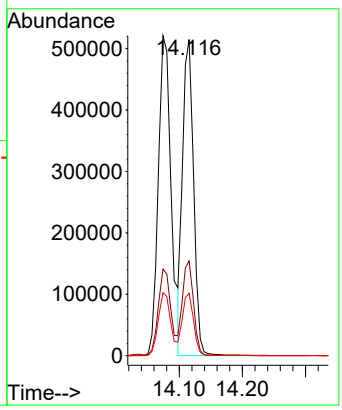


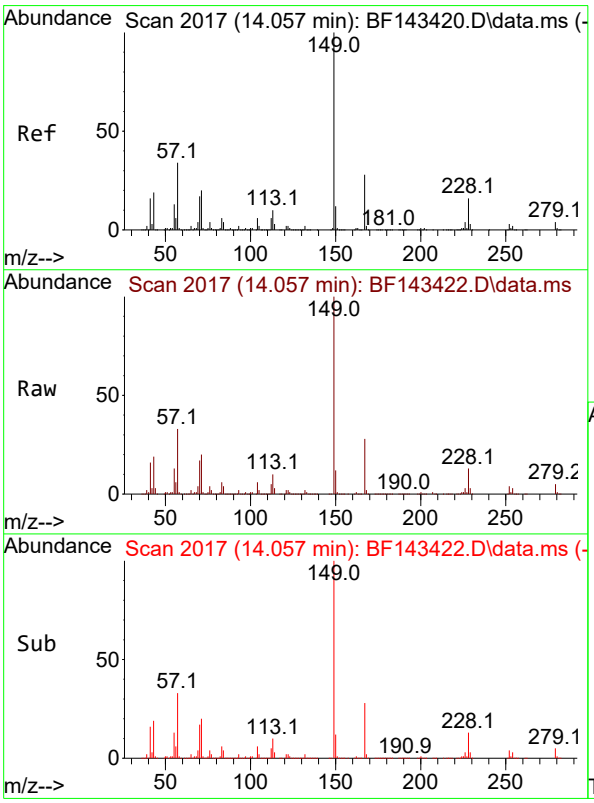
#83
Chrysene
Concen: 57.984 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 627062

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.7	16.1	24.1

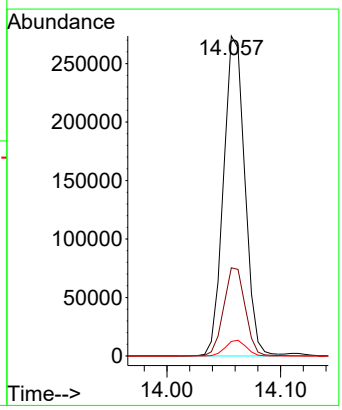


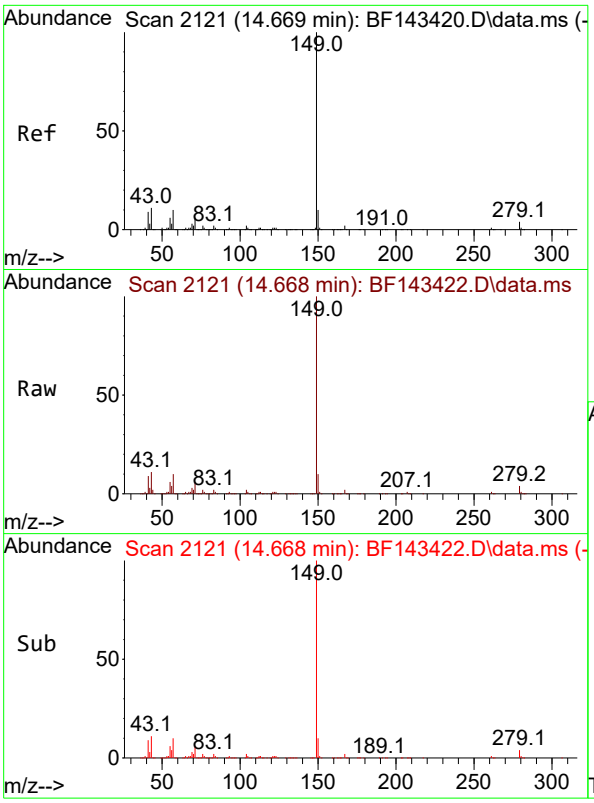


#84
Bis(2-ethylhexyl)phthalate
Concen: 63.663 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:149 Resp: 357629

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.6	33.8
279	4.5	3.5	5.3



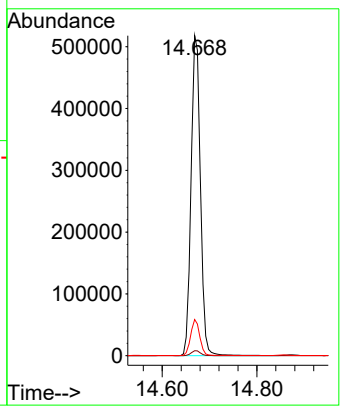


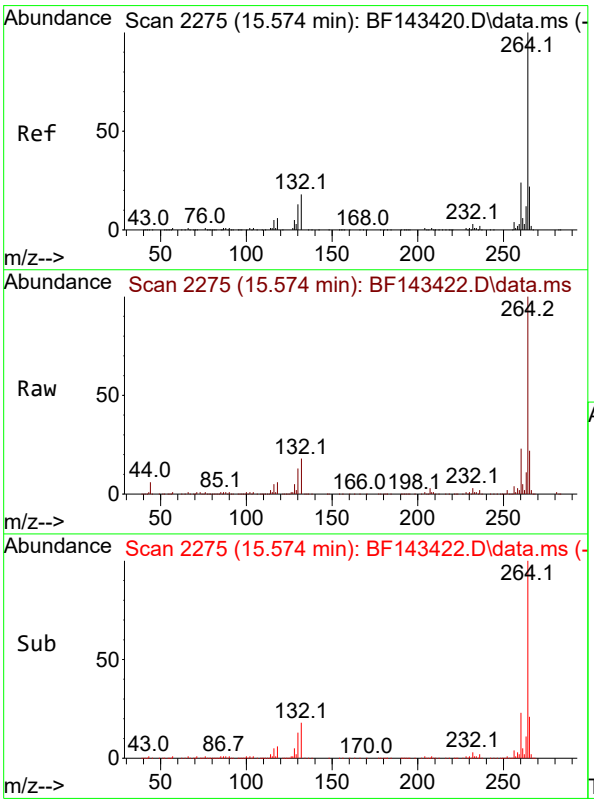
#85
Di-n-octyl phthalate
Concen: 62.221 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 708936

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.0	9.0	13.6

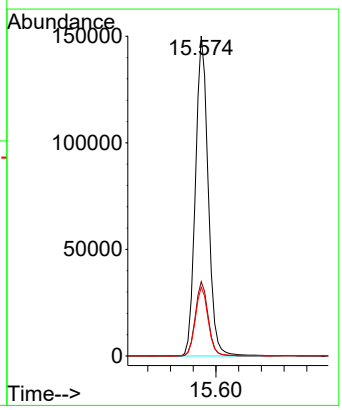


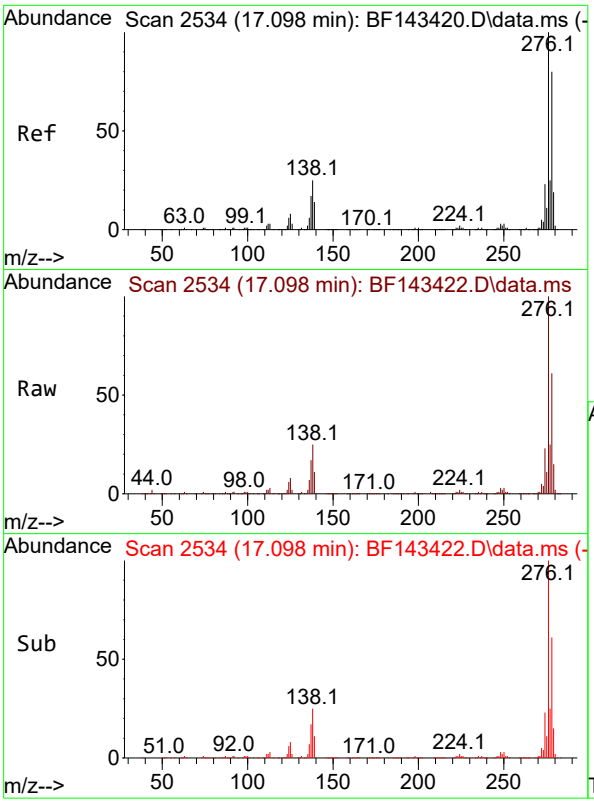


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:264 Resp: 234521

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	21.5	17.4	26.0



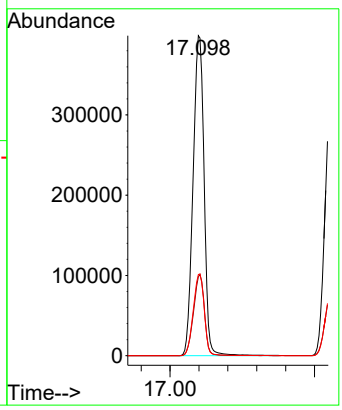


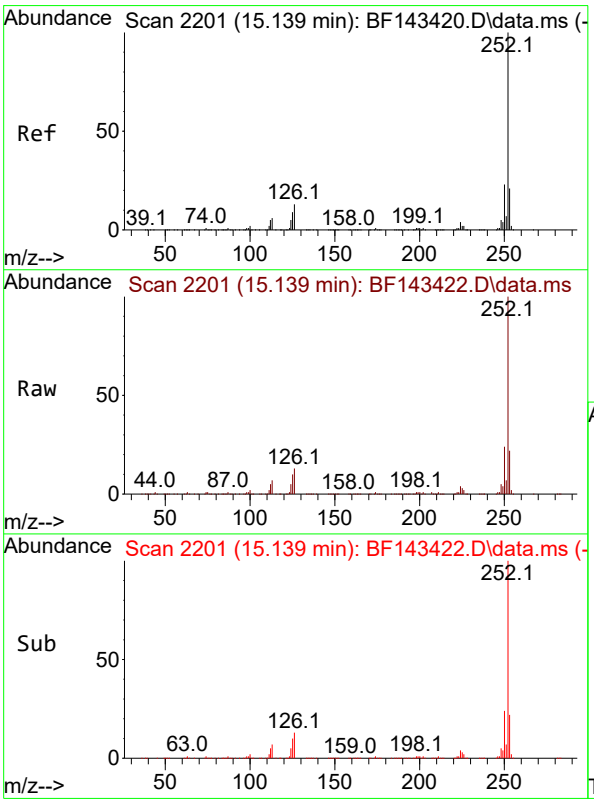
#87
Indeno(1,2,3-cd)pyrene
Concen: 60.138 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1057633

Ion	Ratio	Lower	Upper
276	100		
138	25.0	20.2	30.4
277	25.5	20.2	30.2

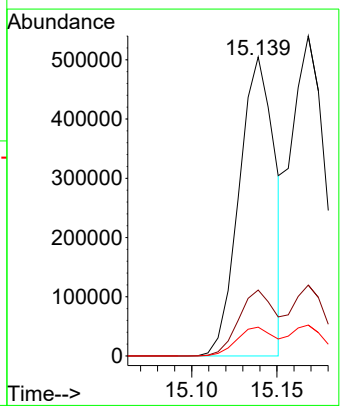


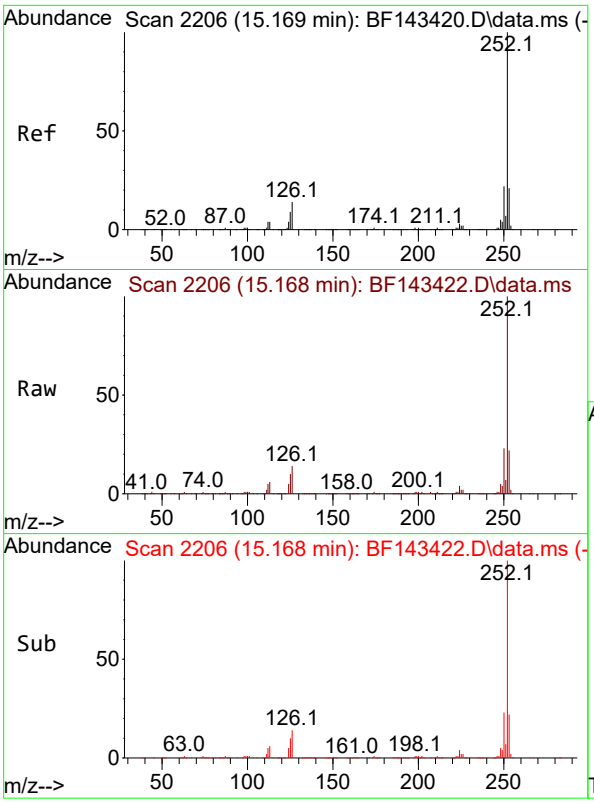


#88
Benzo(b)fluoranthene
Concen: 58.304 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:252 Resp: 732842

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	9.6	7.5	11.3



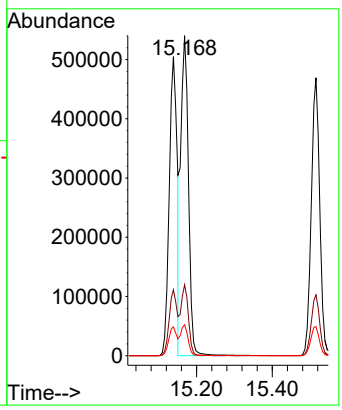


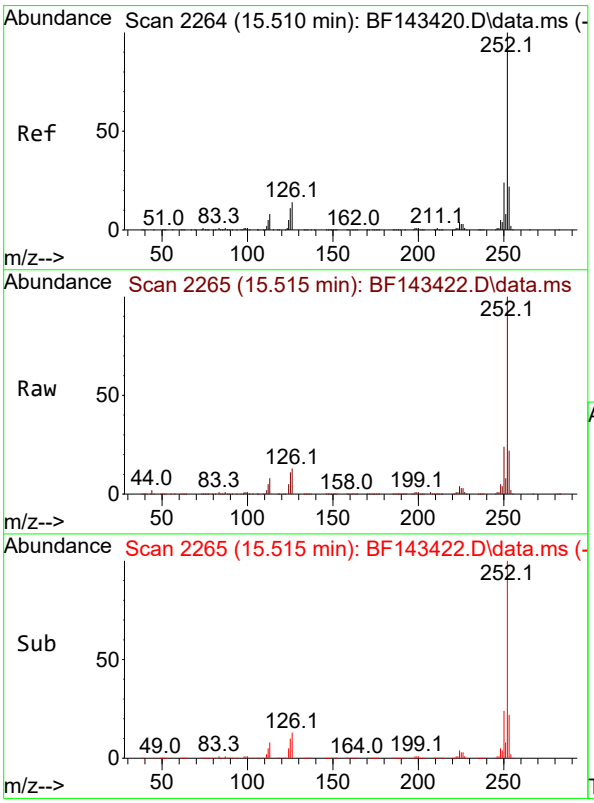
#89
Benzo(k)fluoranthene
Concen: 61.356 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 760663

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	9.6	7.4	11.2

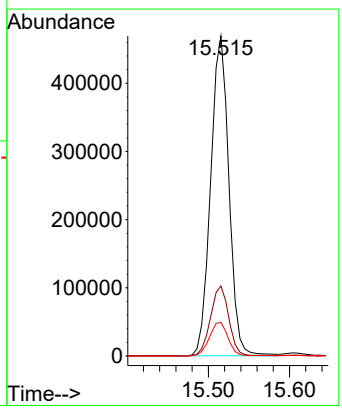


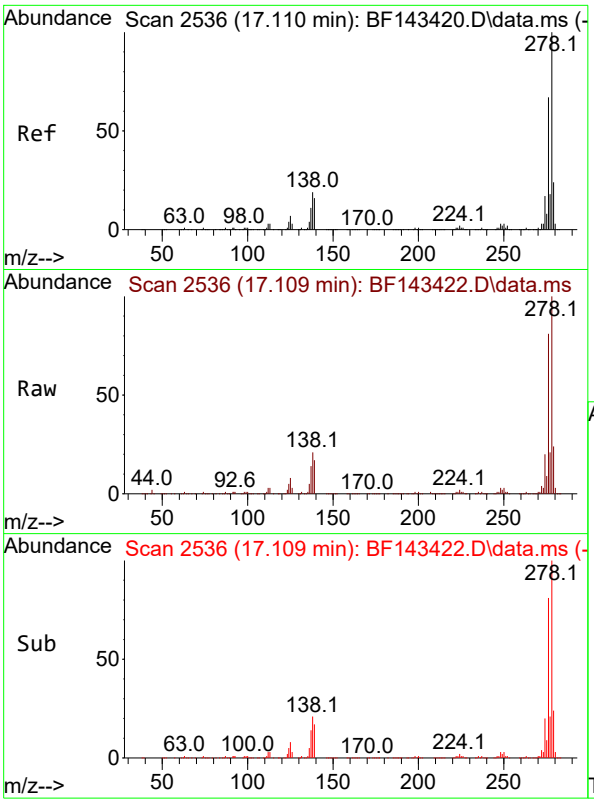


#90
Benzo(a)pyrene
Concen: 61.250 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:252 Resp: 733266

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	10.5	8.6	12.8



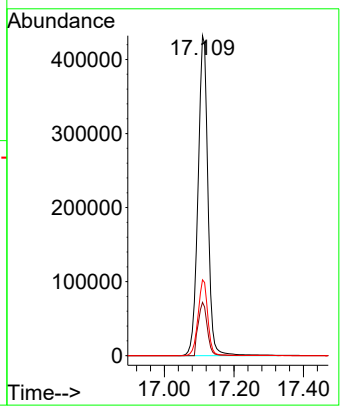


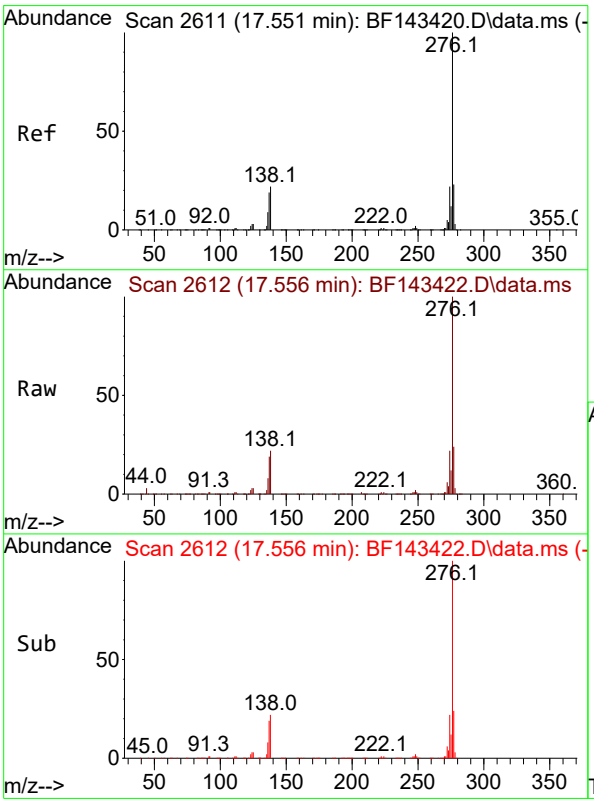
#91
Dibenzo(a,h)anthracene
Concen: 60.230 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 850641

Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.9	19.3
279	23.7	19.0	28.4

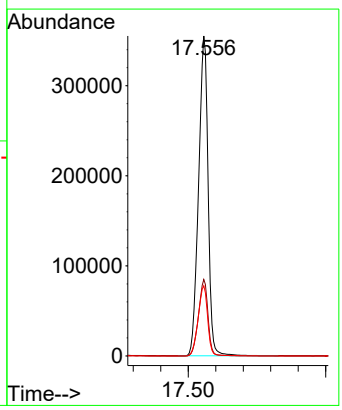




#92
Benzo(g,h,i)perylene
Concen: 60.552 ng
RT: 17.556 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:276 Resp: 854308

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	21.9	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143423.D
Acq On : 15 Aug 2025 17:57
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 15 18:35:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	127613	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	496955	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	263799	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	374109	20.000	ng		0.00
76) Chrysene-d12	14.092	240	220524	20.000	ng		0.00
86) Perylene-d12	15.574	264	303217	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	1094798	149.132	ng		0.00
7) Phenol-d6	6.569	99	1363579	147.389	ng		0.01
23) Nitrobenzene-d5	7.492	82	1261400	150.617	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	351705	149.789	ng		0.00
45) 2-Fluorobiphenyl	9.286	172	2026738	129.225	ng		0.00
79) Terphenyl-d14	13.033	244	1586760	120.873	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.728	88	276532	78.256	ng		99
3) Pyridine	3.510	79	757343	81.717	ng		99
4) n-Nitrosodimethylamine	3.469	42	355369	82.495	ng		99
6) Aniline	6.592	93	926945	73.803	ng	#	72
8) 2-Chlorophenol	6.722	128	618701	76.338	ng		99
9) Benzaldehyde	6.481	77	257472	52.314	ng		98
10) Phenol	6.587	94	768115	71.149	ng	#	74
11) bis(2-Chloroethyl)ether	6.663	93	614996	76.851	ng		99
12) 1,3-Dichlorobenzene	6.875	146	663965	73.133	ng		99
13) 1,4-Dichlorobenzene	6.945	146	661667	73.000	ng		99
14) 1,2-Dichlorobenzene	7.098	146	633632	73.190	ng		99
15) Benzyl Alcohol	7.075	79	539442	79.066	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	953823	69.720	ng		84
17) 2-Methylphenol	7.187	107	502851	76.044	ng		97
18) Hexachloroethane	7.445	117	232945	75.504	ng		98
19) n-Nitroso-di-n-propyla...	7.351	70	410455	71.664	ng		96
20) 3+4-Methylphenols	7.339	107	560730	70.919	ng		94
22) Acetophenone	7.339	105	732714	68.575	ng	#	97
24) Nitrobenzene	7.516	77	659006	75.289	ng		98
25) Isophorone	7.757	82	1224888	76.418	ng		99
26) 2-Nitrophenol	7.828	139	333788	82.260	ng		99
27) 2,4-Dimethylphenol	7.869	122	495612	72.240	ng		98
28) bis(2-Chloroethoxy)met...	7.957	93	719188	72.998	ng		99
29) 2,4-Dichlorophenol	8.075	162	516697	73.880	ng		100
30) 1,2,4-Trichlorobenzene	8.151	180	516357	72.057	ng		99
31) Naphthalene	8.234	128	1643524	69.661	ng		99
32) Benzoic acid	8.004	122	320776	90.330	ng		98
33) 4-Chloroaniline	8.281	127	621429	72.971	ng		99
34) Hexachlorobutadiene	8.351	225	337758	73.915	ng		98
35) Caprolactam	8.669	113	154207	76.585	ng		98
36) 4-Chloro-3-methylphenol	8.763	107	528206	73.333	ng		99
37) 2-Methylnaphthalene	8.928	142	1082367	68.060	ng		99
38) 1-Methylnaphthalene	9.022	142	1040898	68.315	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	528998	71.904	ng		100
41) Hexachlorocyclopentadiene	9.081	237	224806	83.474	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	356299	77.637	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143423.D
Acq On : 15 Aug 2025 17:57
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 15 18:35:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	374807	76.189	ng	97
46) 1,1'-Biphenyl	9.386	154	1288126	69.497	ng	100
47) 2-Chloronaphthalene	9.416	162	1041882	71.212	ng	100
48) 2-Nitroaniline	9.504	65	340918	78.301	ng	100
49) Acenaphthylene	9.828	152	1493270	70.690	ng	99
50) Dimethylphthalate	9.680	163	1194741	72.643	ng	100
51) 2,6-Dinitrotoluene	9.745	165	263550	81.289	ng	98
52) Acenaphthene	9.998	154	1002131	70.534	ng	99
53) 3-Nitroaniline	9.916	138	282887	78.329	ng	99
54) 2,4-Dinitrophenol	10.028	184	124607	82.478	ng	96
55) Dibenzofuran	10.175	168	1406148	68.607	ng	98
56) 4-Nitrophenol	10.080	139	188791	83.148	ng	98
57) 2,4-Dinitrotoluene	10.151	165	339430	78.525	ng	99
58) Fluorene	10.516	166	1041922	66.173	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.292	232	285106	76.562	ng	96
60) Diethylphthalate	10.380	149	1048638	68.997	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	536308	68.893	ng	98
62) 4-Nitroaniline	10.533	138	253013	74.911	ng	98
63) Azobenzene	10.663	77	1079950	70.306	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	176602	91.491	ng	98
66) n-Nitrosodiphenylamine	10.622	169	911081	74.898	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	343614	77.781	ng	98
68) Hexachlorobenzene	11.069	284	359214	76.486	ng	97
69) Atrazine	11.145	200	270449	76.013	ng	99
70) Pentachlorophenol	11.263	266	186470	89.429	ng	99
71) Phenanthrene	11.474	178	1428719	70.524	ng	99
72) Anthracene	11.527	178	1439557	70.354	ng	99
73) Carbazole	11.680	167	1207594	69.780	ng	100
74) Di-n-butylphthalate	12.004	149	1253224	72.721	ng	99
75) Fluoranthene	12.663	202	1207144	67.060	ng	99
78) Pyrene	12.892	202	1181381	61.635	ng	100
80) Butylbenzylphthalate	13.498	149	394998	83.201	ng	99
81) Benzo(a)anthracene	14.080	228	1068277	76.089	ng	100
82) 3,3'-Dichlorobenzidine	14.033	252	340456	82.823	ng	100
83) Chrysene	14.115	228	958475	73.845	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	584266	86.658	ng	99
85) Di-n-octyl phthalate	14.674	149	1162314	84.996	ng	100
87) Indeno(1,2,3-cd)pyrene	17.109	276	1666322	73.282	ng	99
88) Benzo(b)fluoranthene	15.145	252	1257001	77.348	ng	99
89) Benzo(k)fluoranthene	15.174	252	1186018	73.992	ng	99
90) Benzo(a)pyrene	15.521	252	1183837	76.483	ng	99
91) Dibenzo(a,h)anthracene	17.127	278	1328554	72.757	ng	99
92) Benzo(g,h,i)perylene	17.568	276	1346979	73.842	ng	99

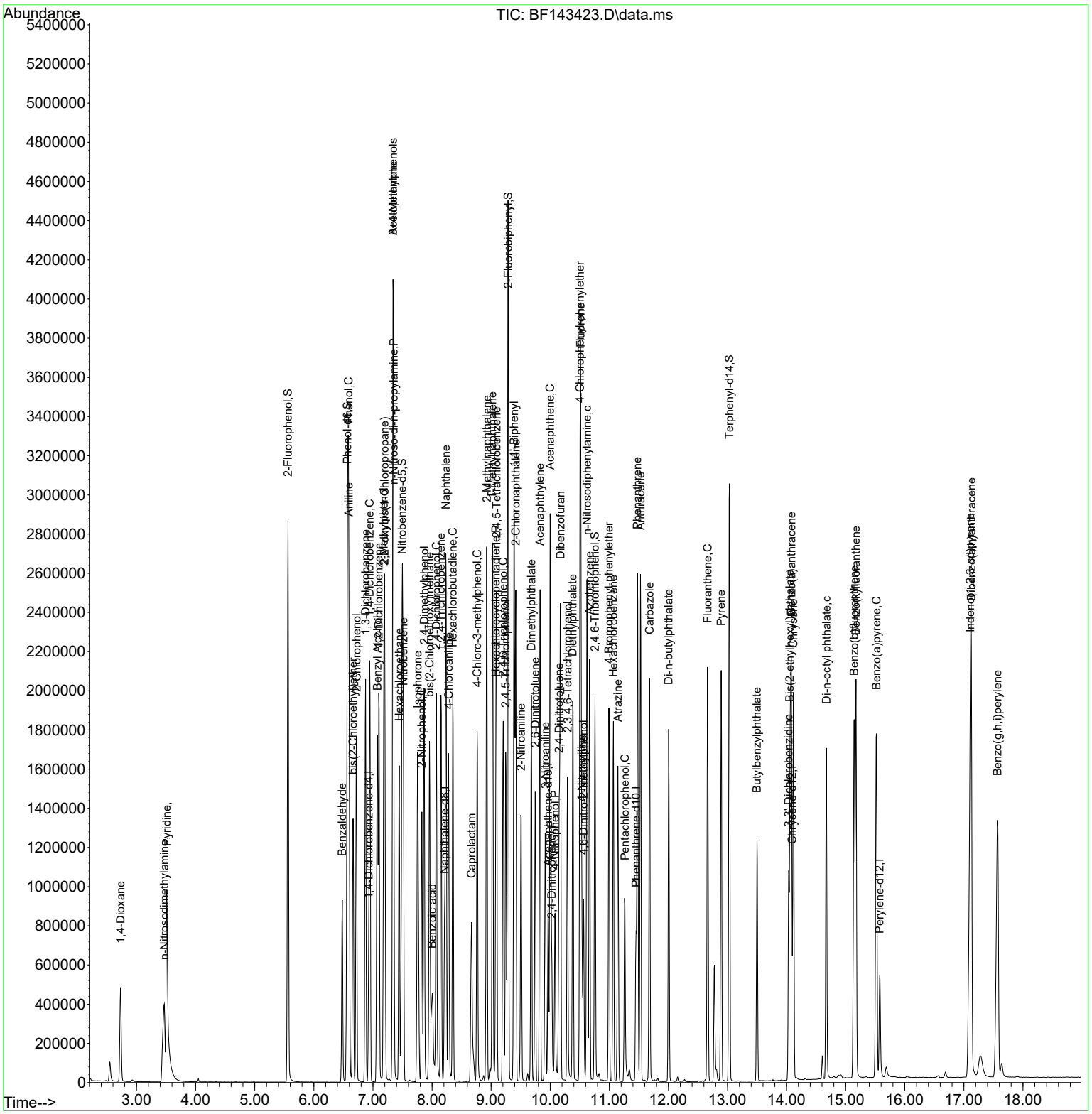
(#) = qualifier out of range (m) = manual integration (+) = signals summed

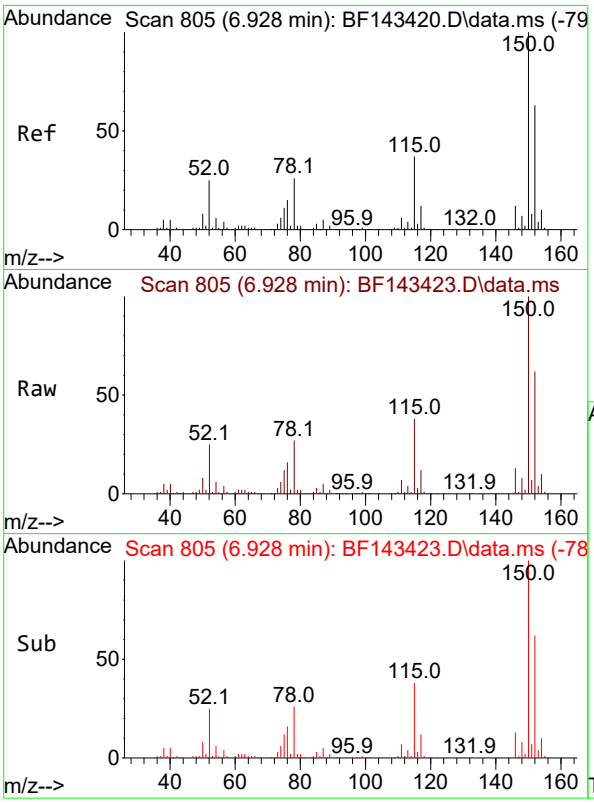
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143423.D
Acq On : 15 Aug 2025 17:57
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 15 18:35:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



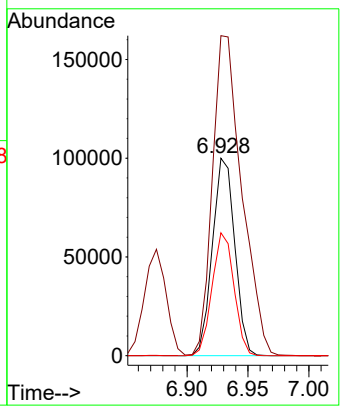


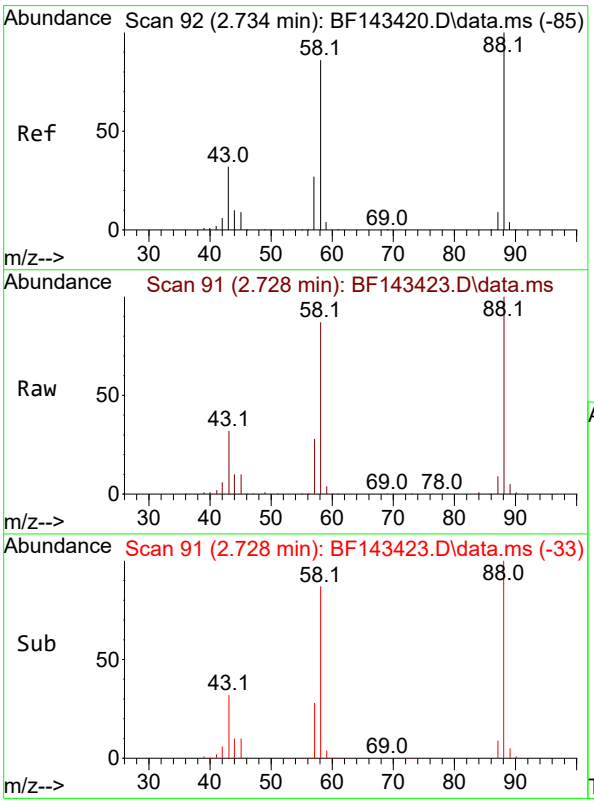
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 127613

Ion	Ratio	Lower	Upper
152	100		
150	162.1	127.4	191.2
115	62.3	47.5	71.3

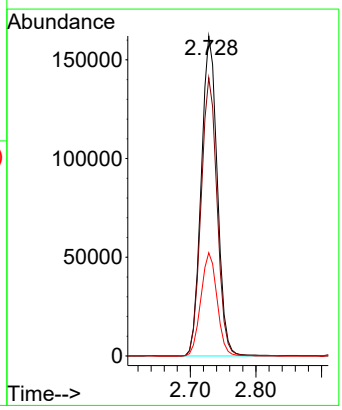


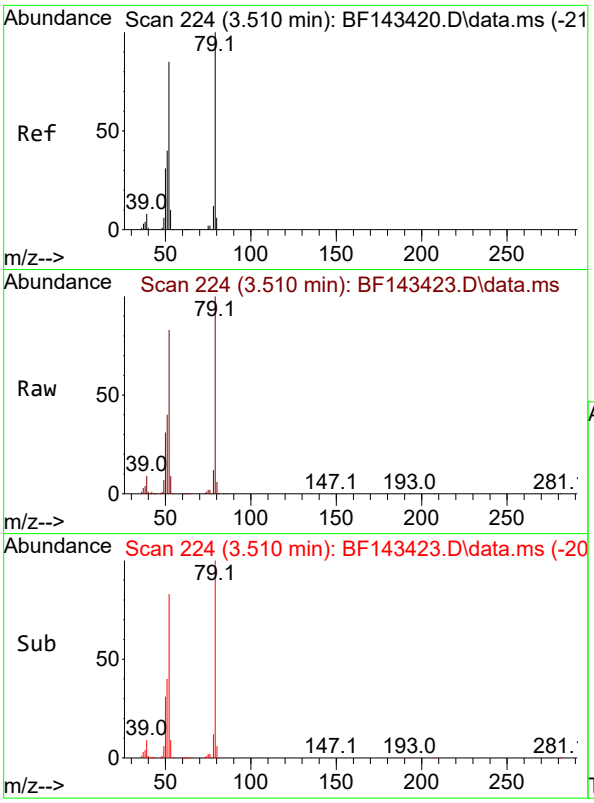


#2
1,4-Dioxane
Concen: 78.256 ng
RT: 2.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 88 Resp: 276532

Ion	Ratio	Lower	Upper
88	100		
58	86.7	68.7	103.1
43	32.5	26.1	39.1



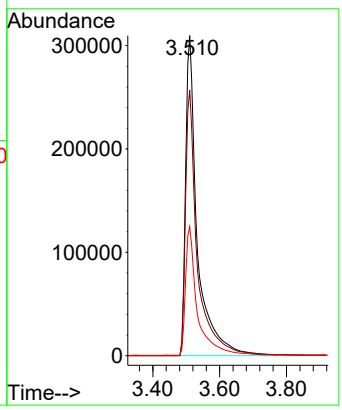


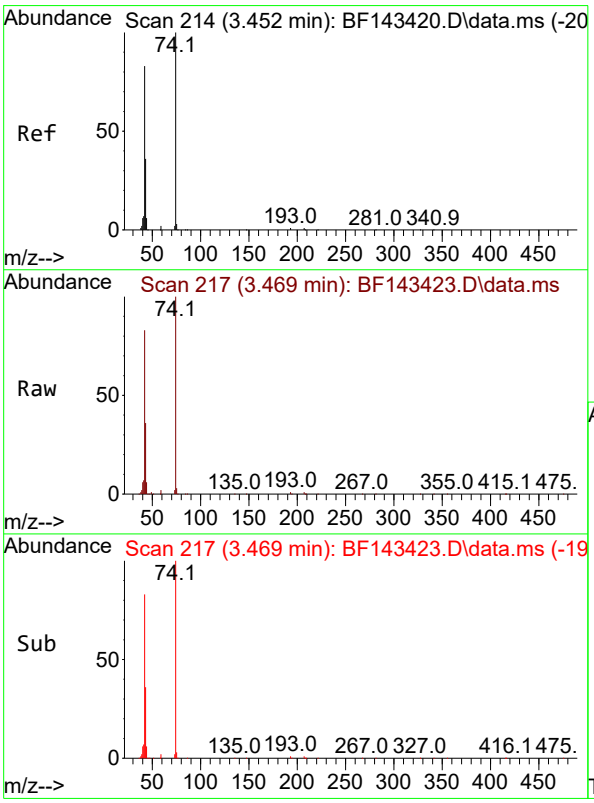
#3
Pyridine
Concen: 81.717 ng
RT: 3.510 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 757343

Ion	Ratio	Lower	Upper
79	100		
52	83.0	67.7	101.5
51	40.3	32.3	48.5

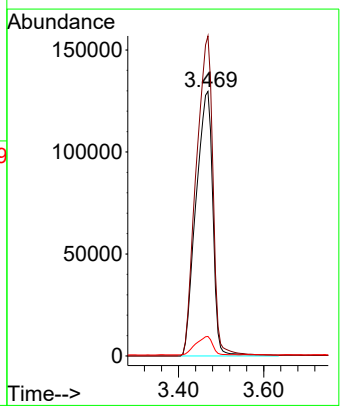


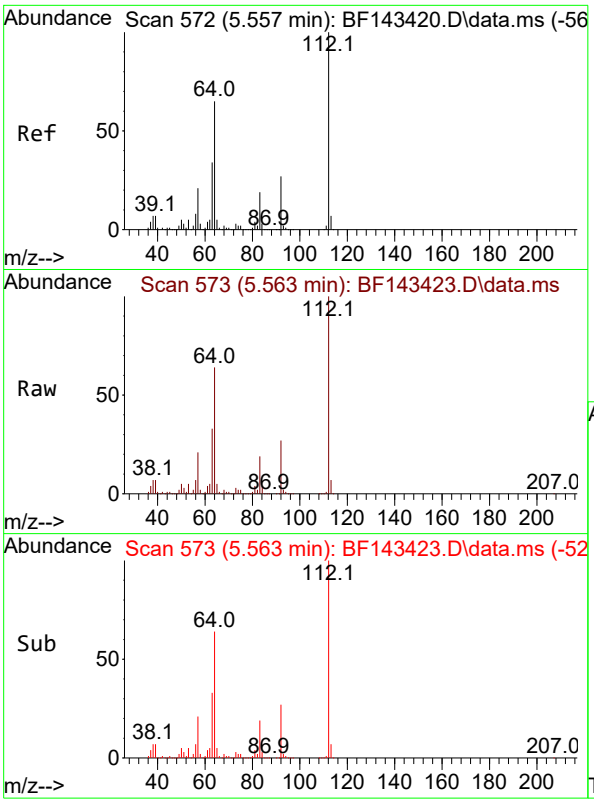


#4
n-Nitrosodimethylamine
Concen: 82.495 ng
RT: 3.469 min Scan# 217
Delta R.T. 0.018 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 42 Resp: 355369

Ion	Ratio	Lower	Upper
42	100		
74	121.0	96.2	144.4
44	7.4	5.9	8.9



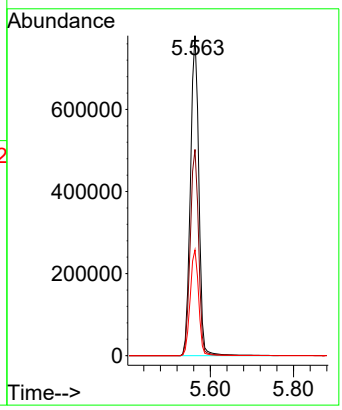


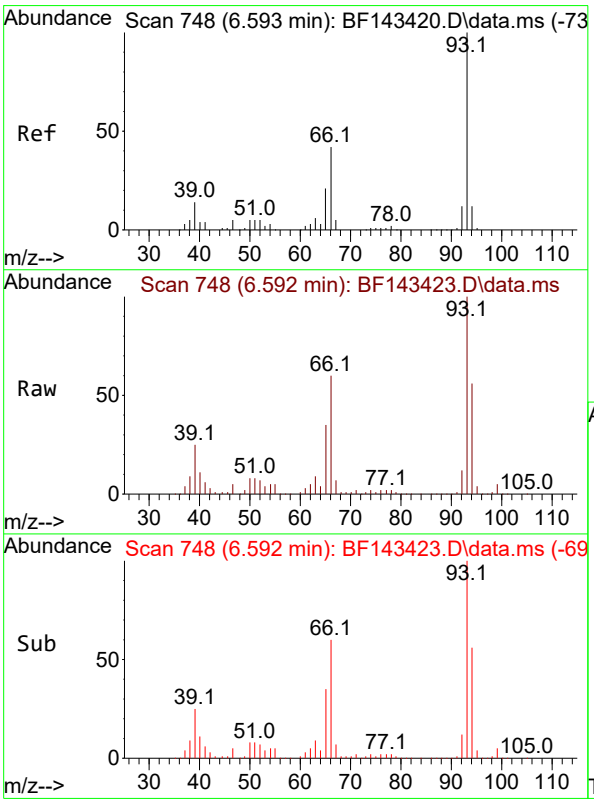
#5
2-Fluorophenol
Concen: 149.132 ng
RT: 5.563 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1094798

Ion	Ratio	Lower	Upper
112	100		
64	64.5	52.2	78.2
63	33.1	27.0	40.6

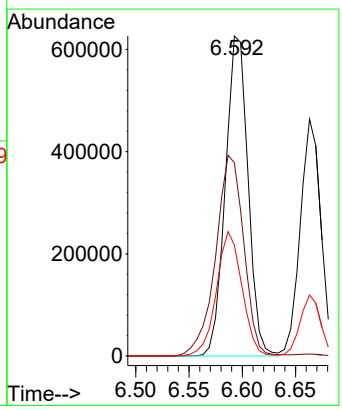


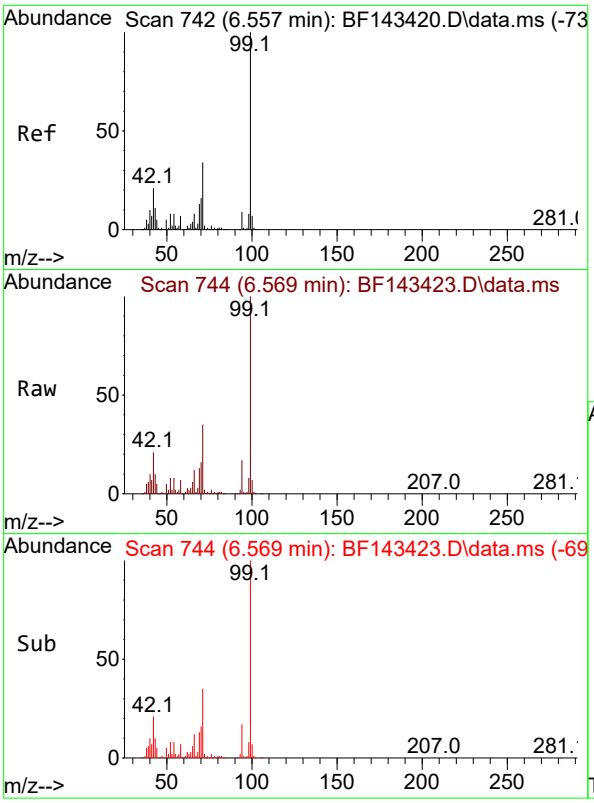


#6
Aniline
Concen: 73.803 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 93 Resp: 926945

Ion	Ratio	Lower	Upper
93	100		
66	60.4	33.8	50.8#
65	34.6	17.2	25.8#



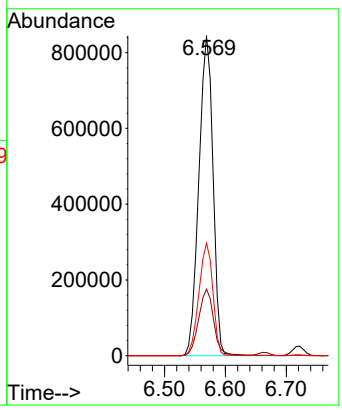


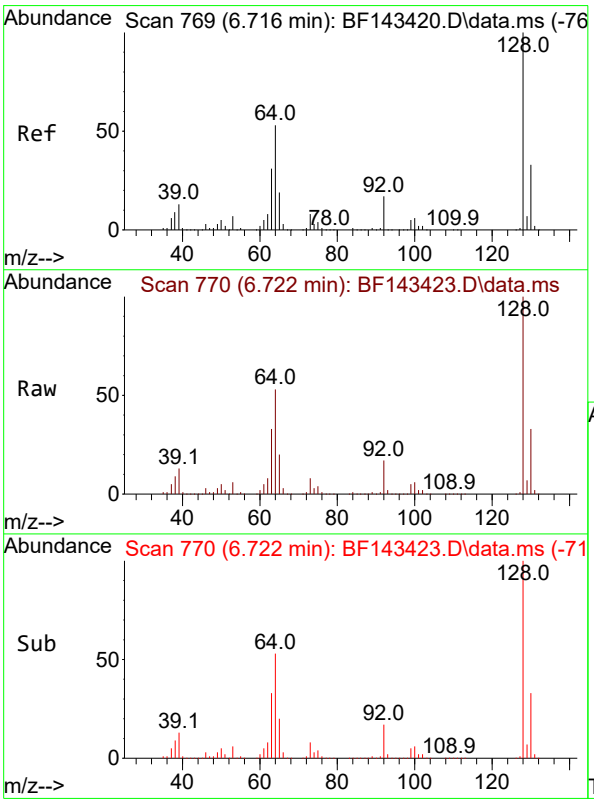
#7
Phenol-d6
Concen: 147.389 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1363579

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	35.1	27.4	41.2

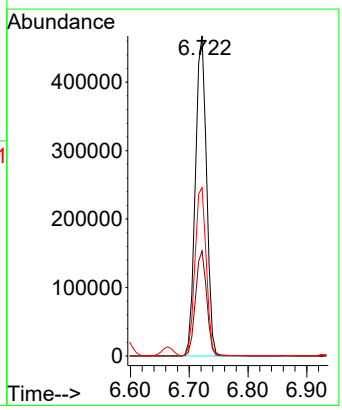


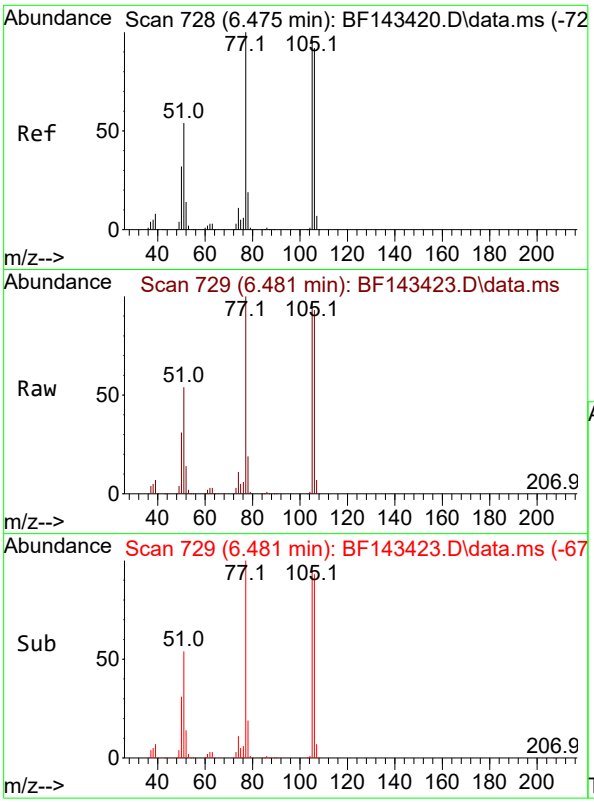


#8
2-Chlorophenol
Concen: 76.338 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:128 Resp: 618701

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.9	52.9
64	52.6	33.1	73.1



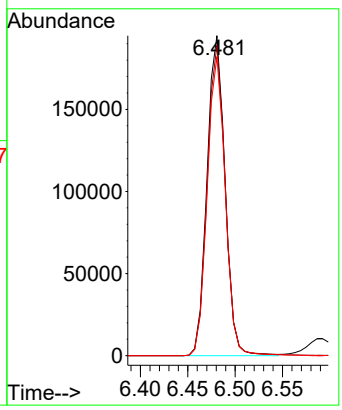


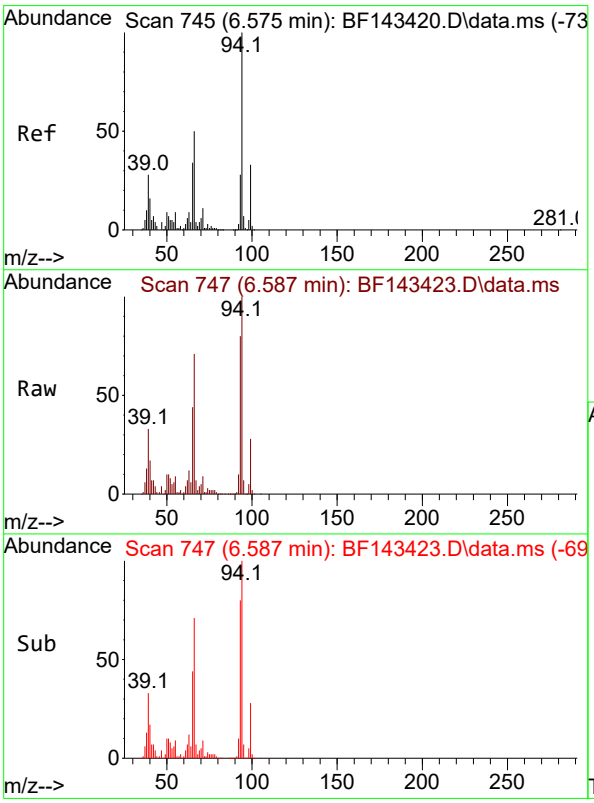
#9
Benzaldehyde
Concen: 52.314 ng
RT: 6.481 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 257472

Ion	Ratio	Lower	Upper
77	100		
105	97.0	75.5	115.5
106	93.4	72.0	112.0

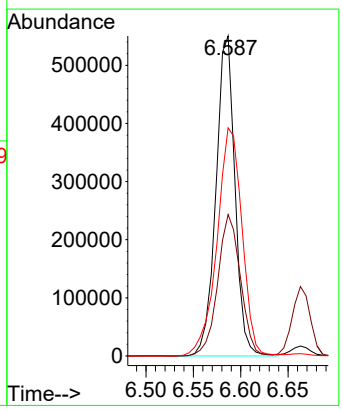


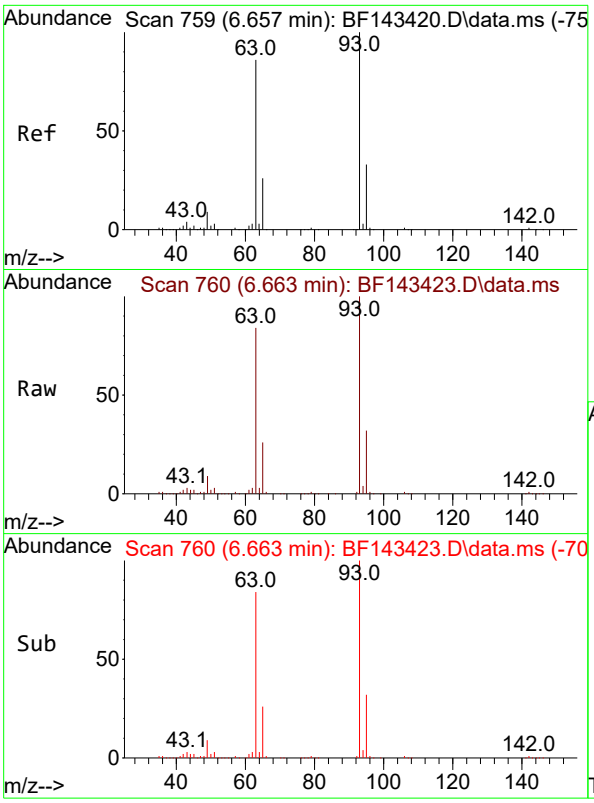


#10
Phenol
Concen: 71.149 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 94 Resp: 768115

Ion	Ratio	Lower	Upper
94	100		
65	44.2	13.7	53.7
66	71.3	30.3	70.3#



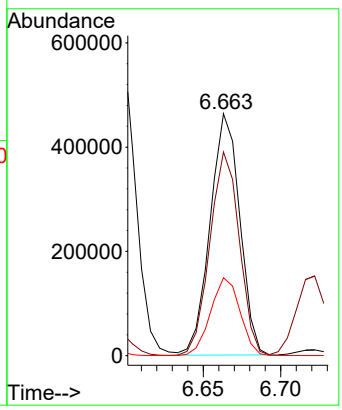


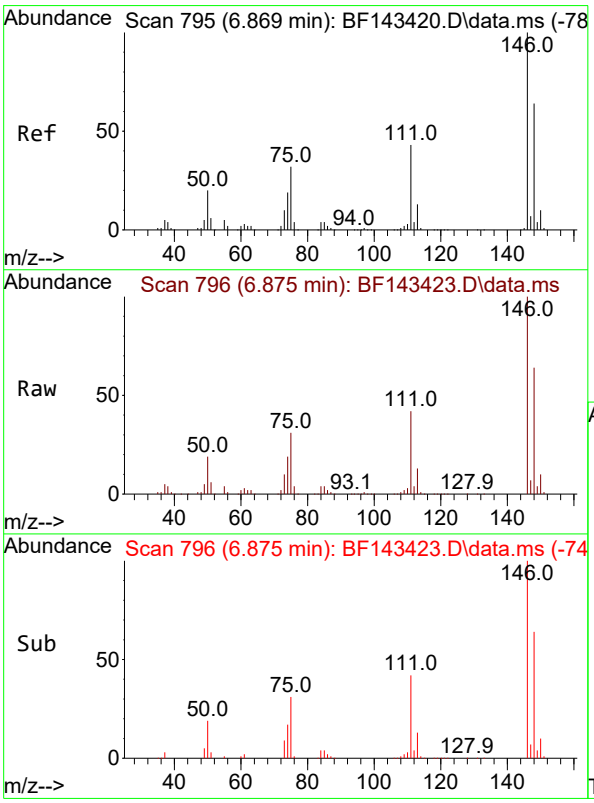
#11
bis(2-Chloroethyl)ether
Concen: 76.851 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 614996

Ion	Ratio	Lower	Upper
93	100		
63	84.2	65.4	105.4
95	32.2	12.8	52.8

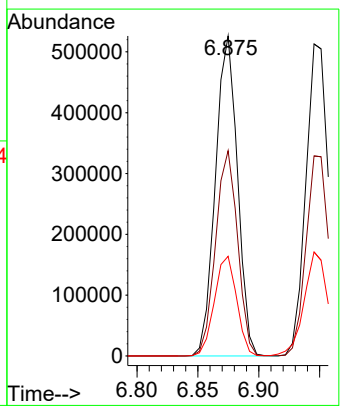


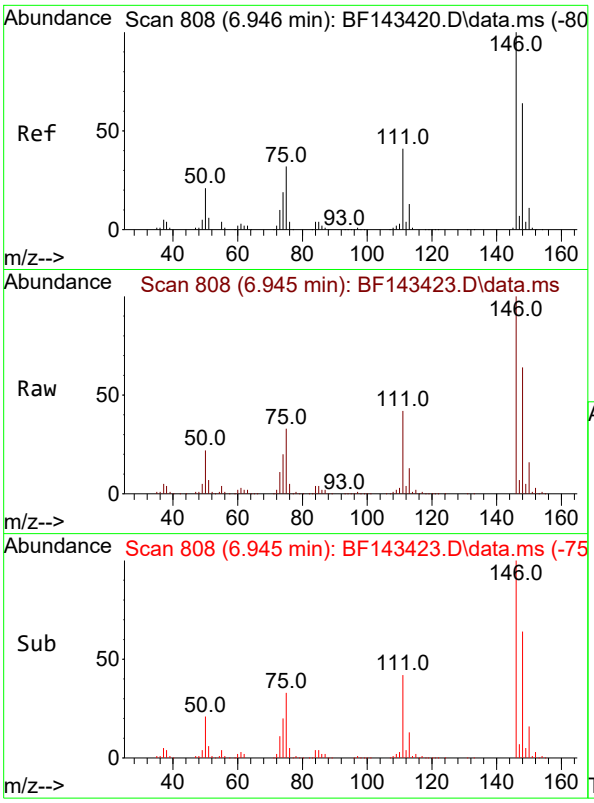


#12
1,3-Dichlorobenzene
Concen: 73.133 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:146 Resp: 663965

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
75	31.2	25.3	37.9



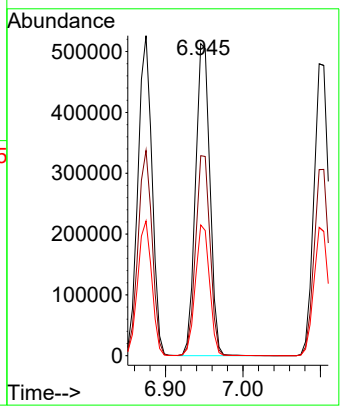


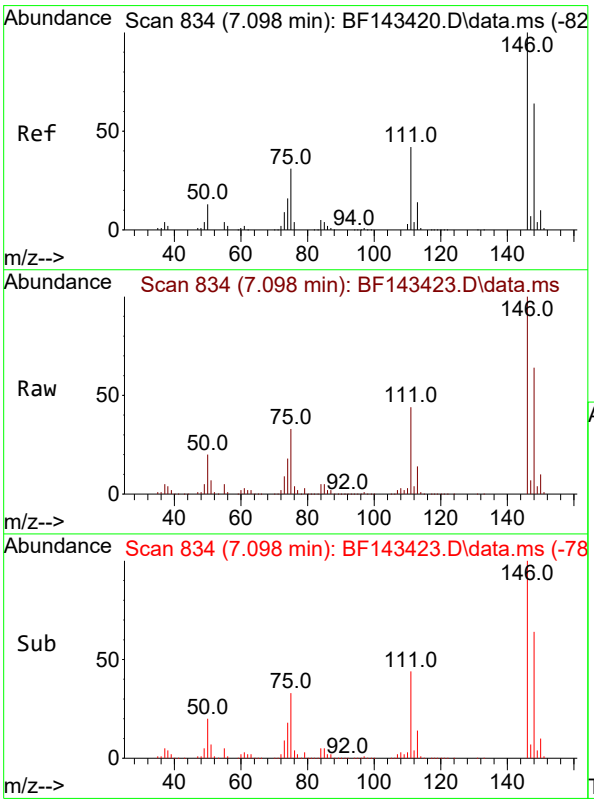
#13
1,4-Dichlorobenzene
Concen: 73.000 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 661667

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.1	76.7
111	41.9	32.5	48.7

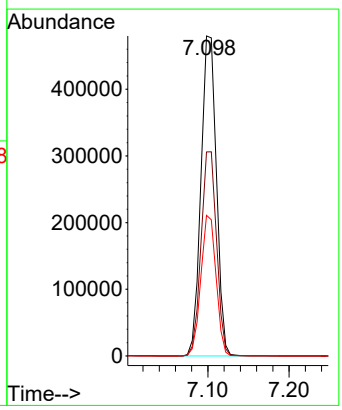


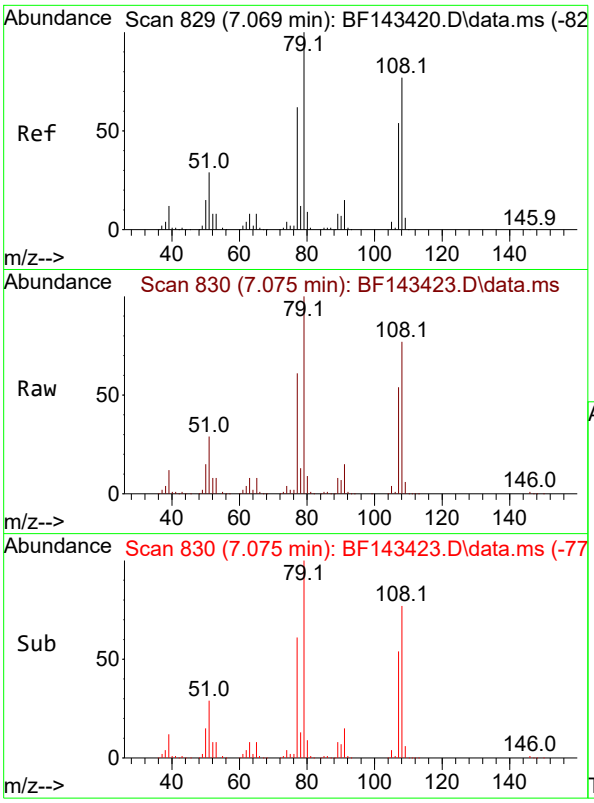


#14
1,2-Dichlorobenzene
Concen: 73.190 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:146 Resp: 633632

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.0
111	44.0	33.9	50.9



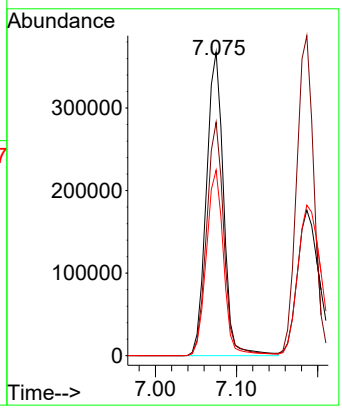


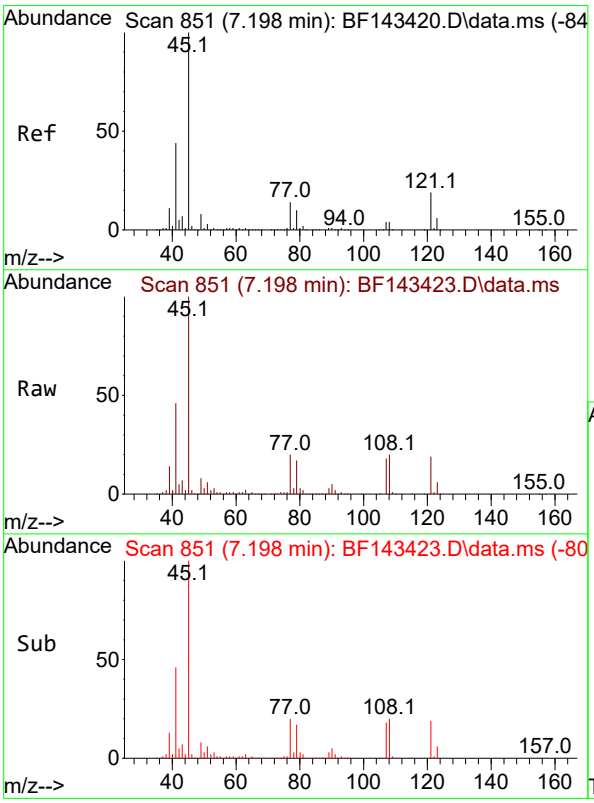
#15
Benzyl Alcohol
Concen: 79.066 ng
RT: 7.075 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 539442

Ion	Ratio	Lower	Upper
79	100		
108	76.9	61.9	92.9
77	61.1	49.2	73.8

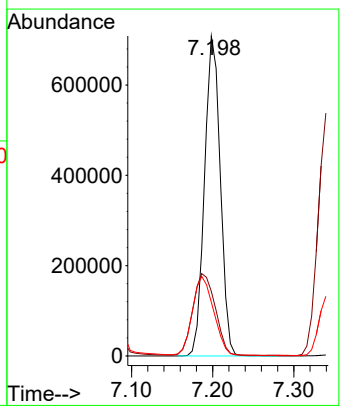


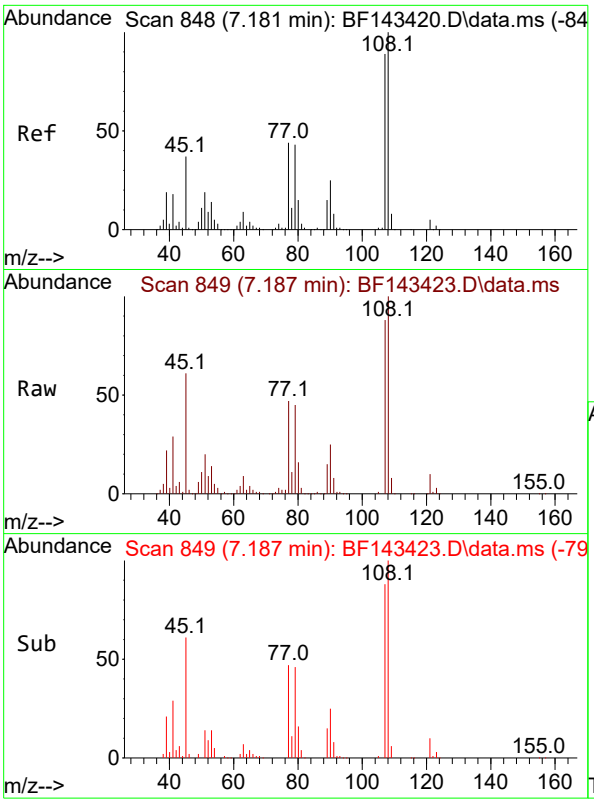


#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.720 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 45 Resp: 953823

Ion	Ratio	Lower	Upper
45	100		
77	20.2	0.0	33.9
79	16.8	0.0	30.7



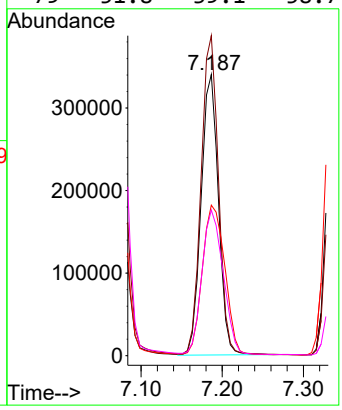


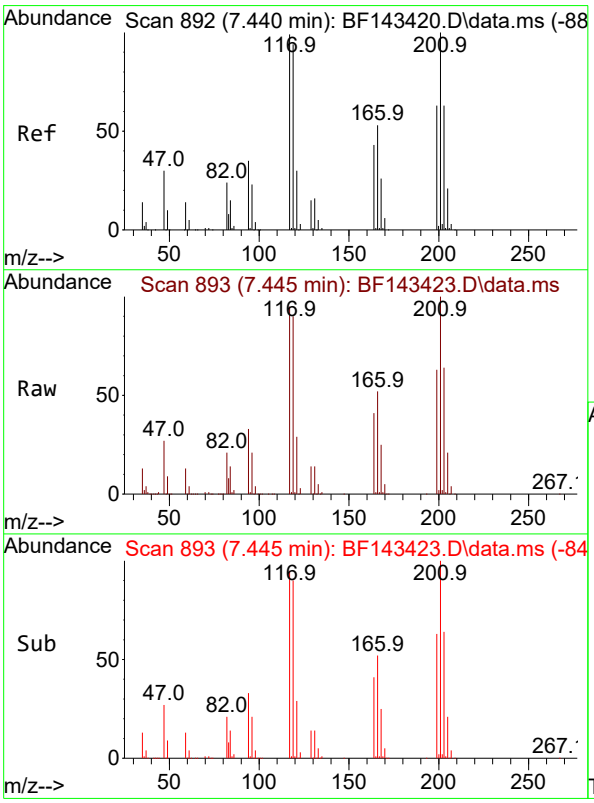
#17
2-Methylphenol
Concen: 76.044 ng
RT: 7.187 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 502851

Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.1	135.1
77	53.6	39.9	59.9
79	51.8	39.1	58.7

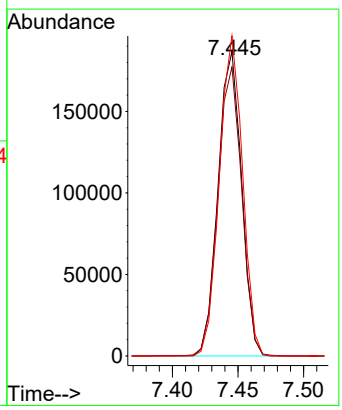


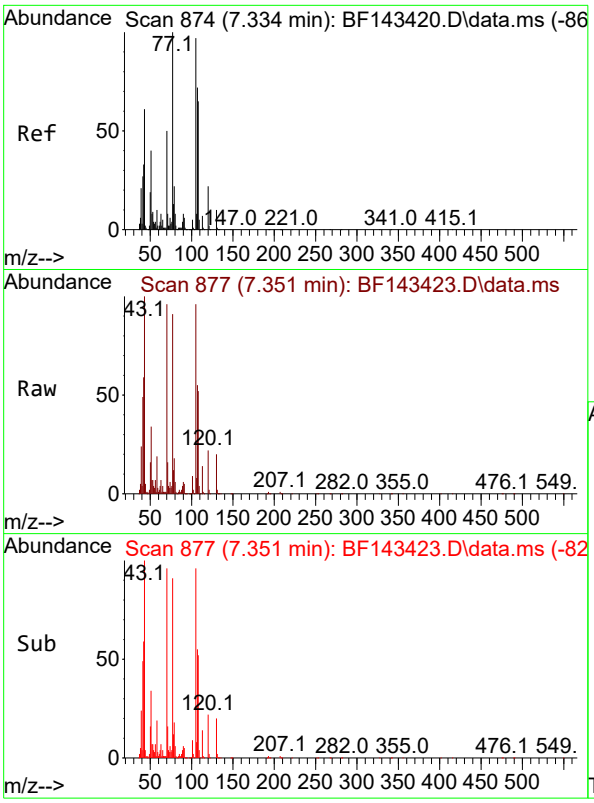


#18
Hexachloroethane
Concen: 75.504 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:117 Resp: 232945

Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.6	114.8
201	105.1	81.0	121.4



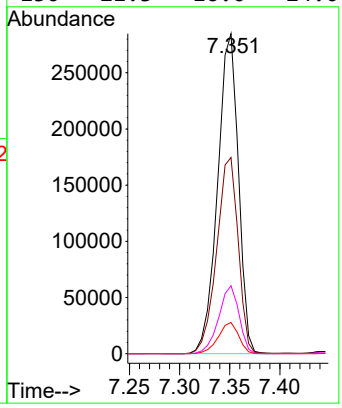


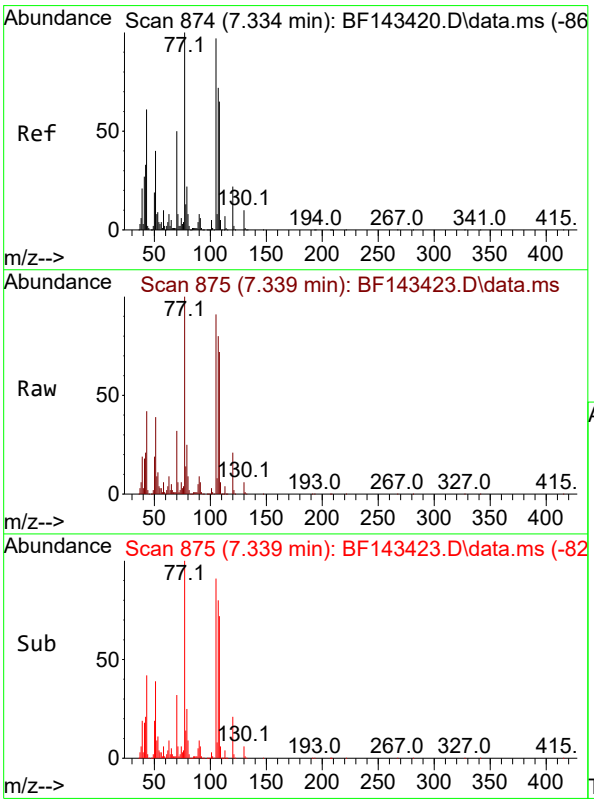
#19
n-Nitroso-di-n-propylamine
Concen: 71.664 ng
RT: 7.351 min Scan# 8
Delta R.T. 0.017 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 410455

Ion	Ratio	Lower	Upper
70	100		
42	61.3	52.5	78.7
101	9.8	7.9	11.9
130	21.3	16.0	24.0

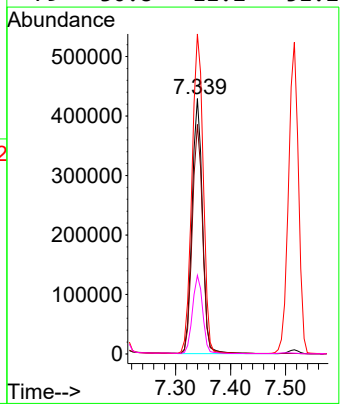


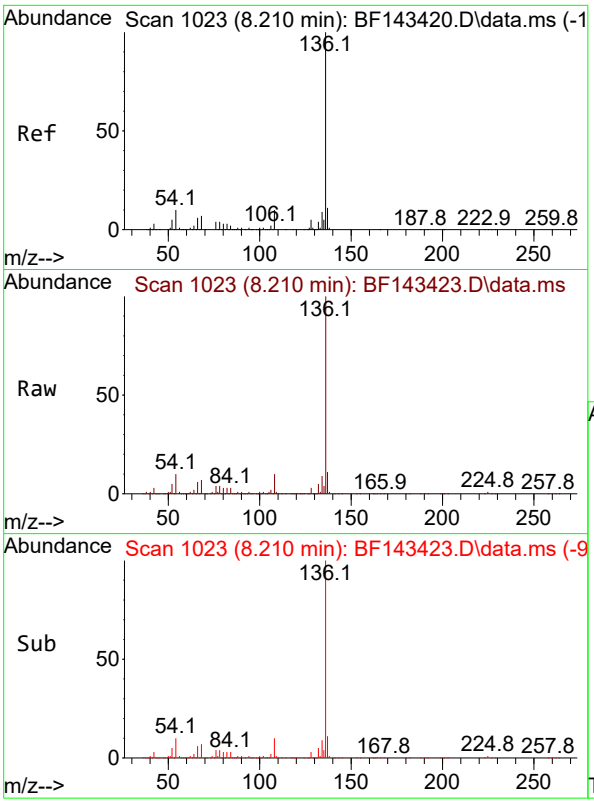


#20
3+4-Methylphenols
Concen: 70.919 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:107 Resp: 560730

Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.8	110.8
77	125.3	119.1	159.1
79	30.8	11.2	51.2



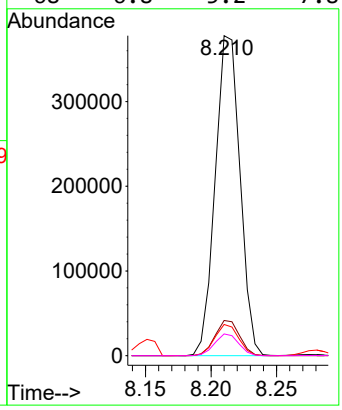


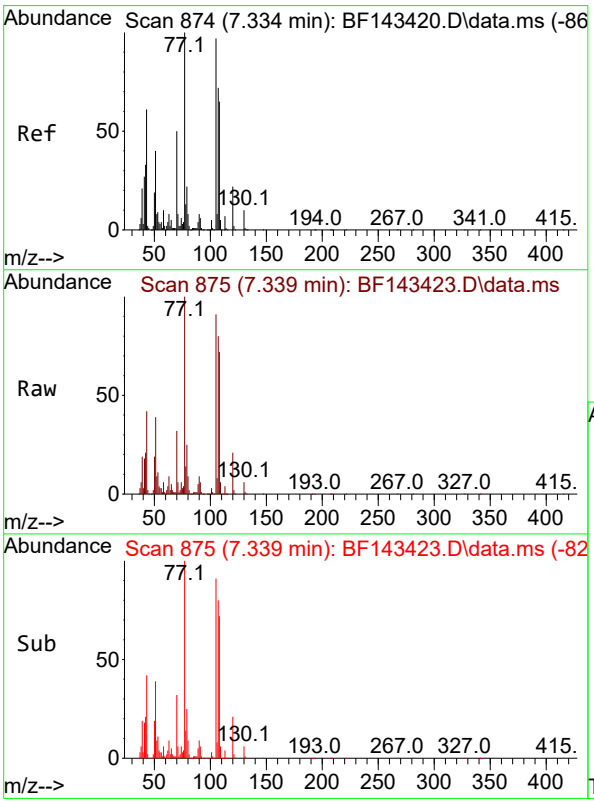
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 496955

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.7	7.8	11.8
68	6.8	5.2	7.8

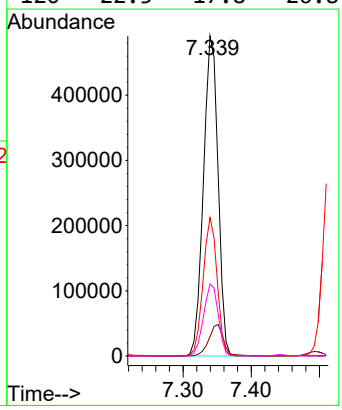


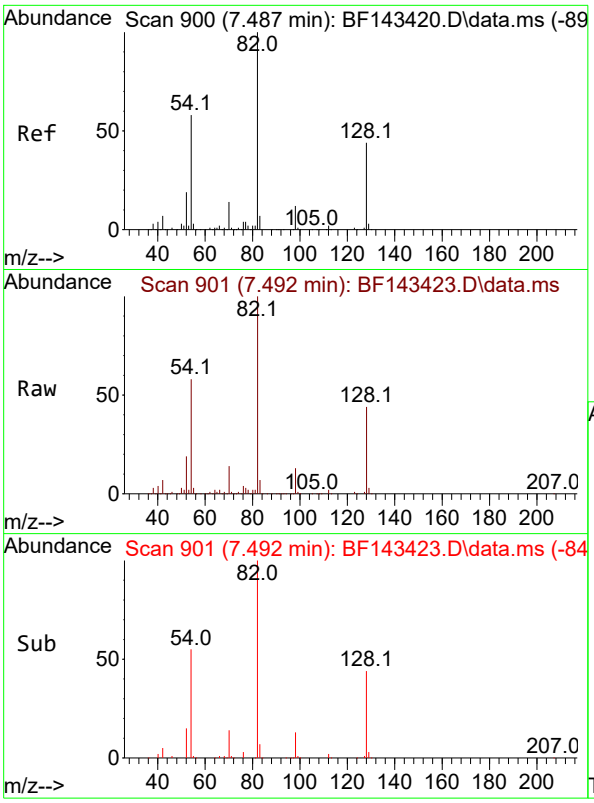


#22
Acetophenone
Concen: 68.575 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:105 Resp: 732714

Ion	Ratio	Lower	Upper
105	100		
71	6.0	7.0	10.4#
51	43.2	32.7	49.1
120	22.5	17.8	26.8



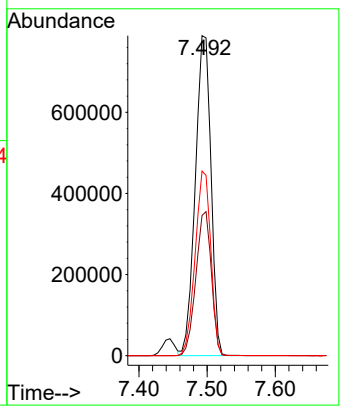


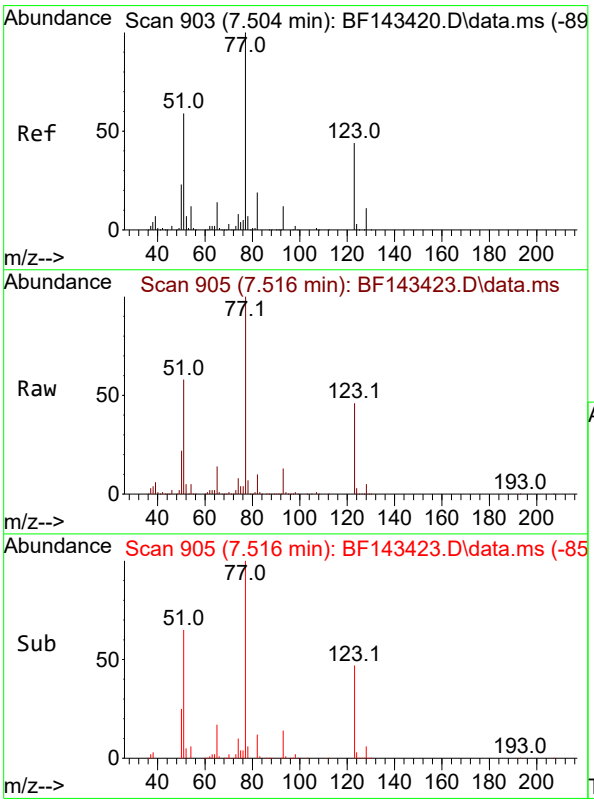
#23
Nitrobenzene-d5
Concen: 150.617 ng
RT: 7.492 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1261400

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	52.0
54	57.7	46.0	69.0

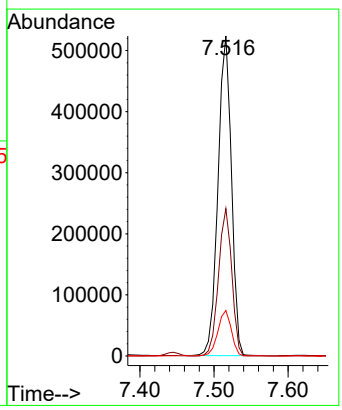


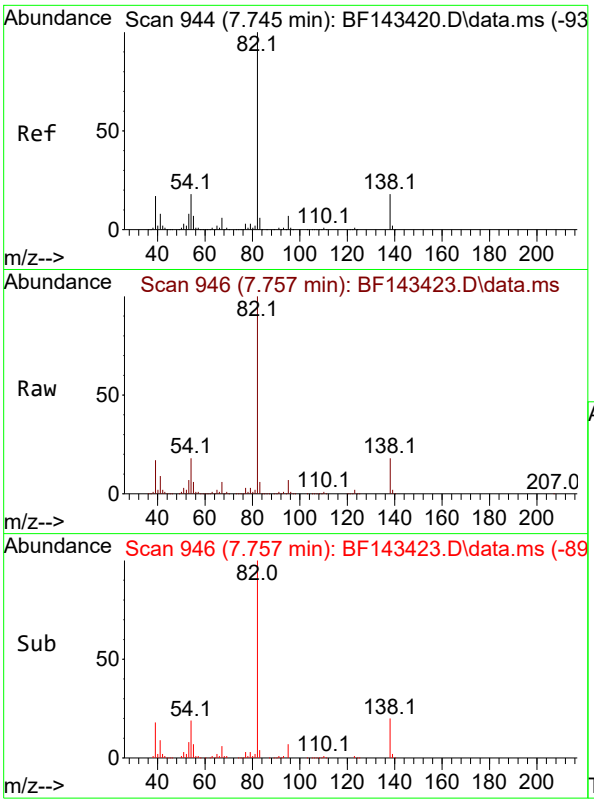


#24
Nitrobenzene
Concen: 75.289 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 77 Resp: 659006

Ion	Ratio	Lower	Upper
77	100		
123	46.0	35.4	53.0
65	14.2	11.2	16.8



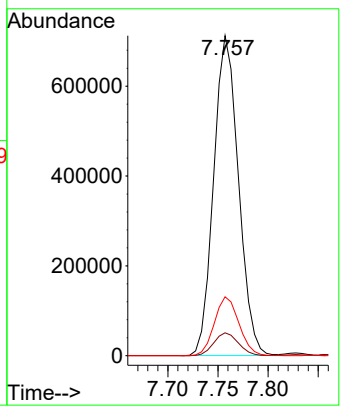


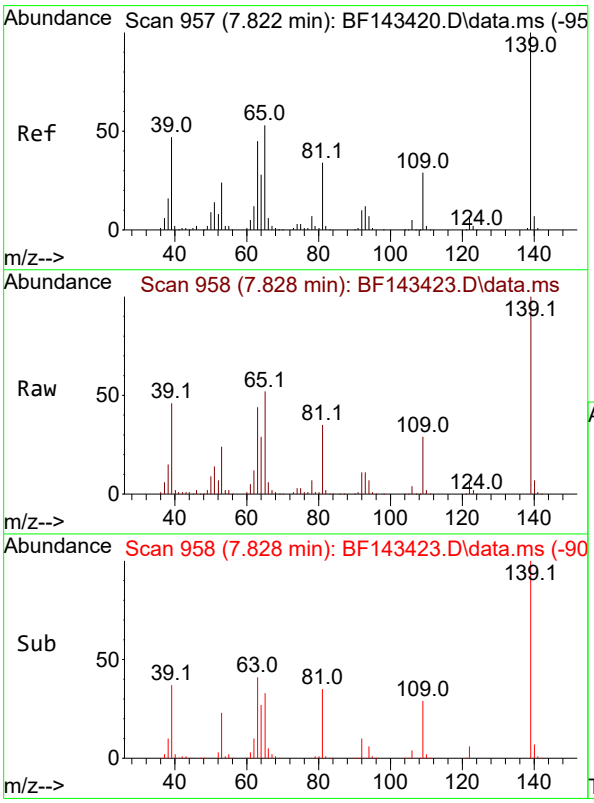
#25
Isophorone
Concen: 76.418 ng
RT: 7.757 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1224888

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	18.4	14.3	21.5

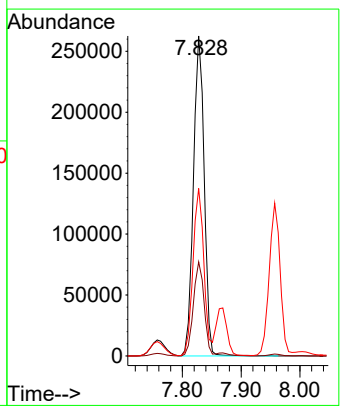


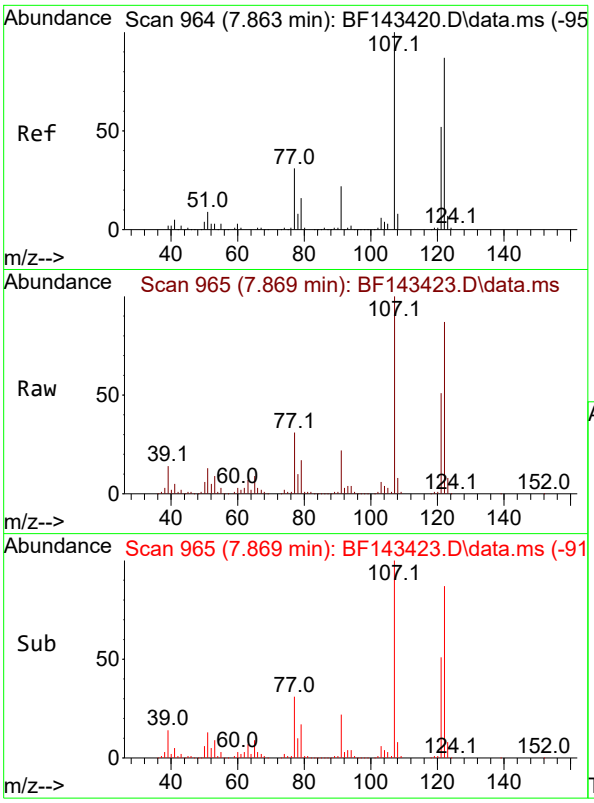


#26
2-Nitrophenol
Concen: 82.260 ng
RT: 7.828 min Scan# 958
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:139 Resp: 333788

Ion	Ratio	Lower	Upper
139	100		
109	29.4	23.0	34.4
65	52.4	42.5	63.7



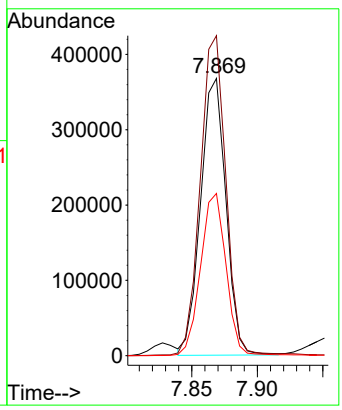


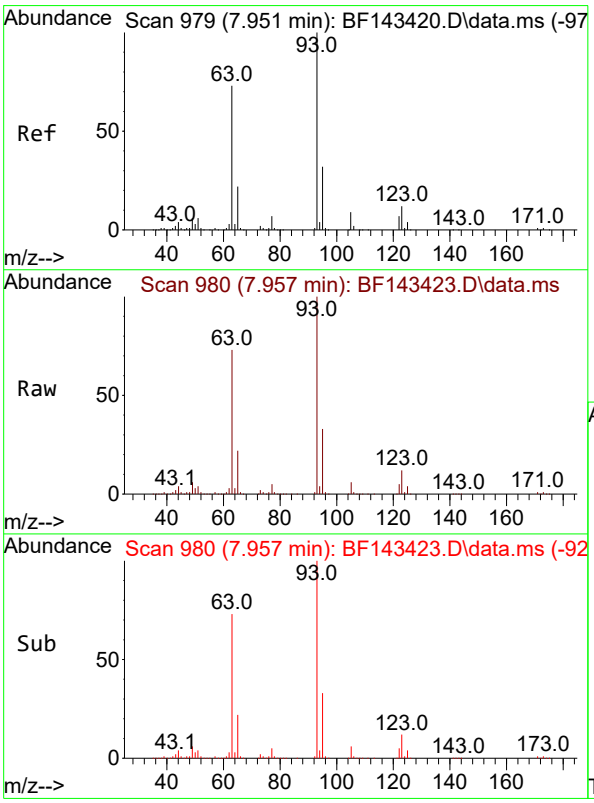
#27
2,4-Dimethylphenol
Concen: 72.240 ng
RT: 7.869 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 495612

Ion	Ratio	Lower	Upper
122	100		
107	115.4	90.4	135.6
121	58.5	46.7	70.1

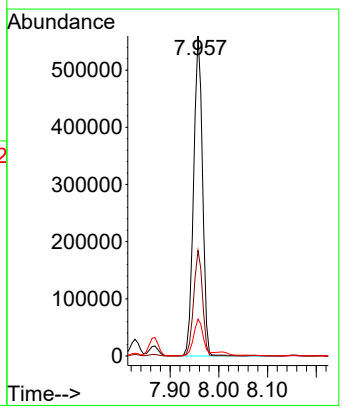


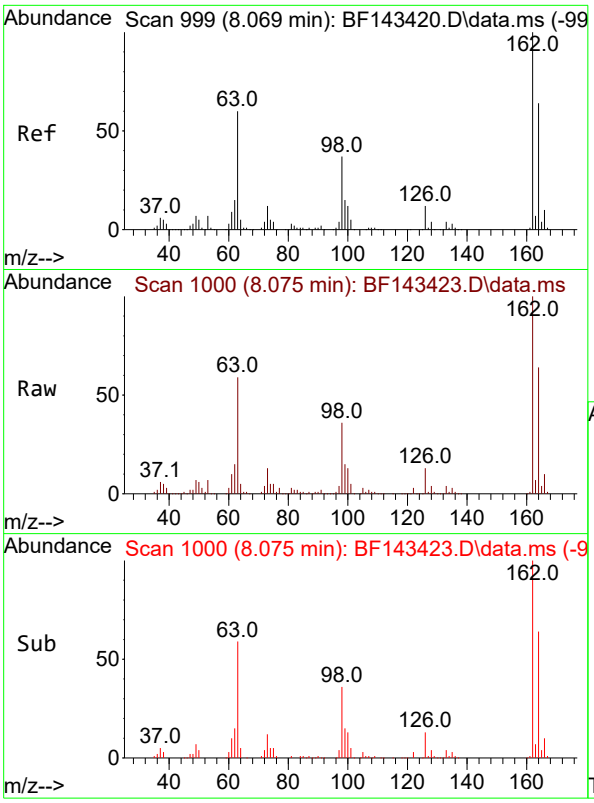


#28
bis(2-Chloroethoxy)methane
Concen: 72.998 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 93 Resp: 719188

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	11.5	9.5	14.3



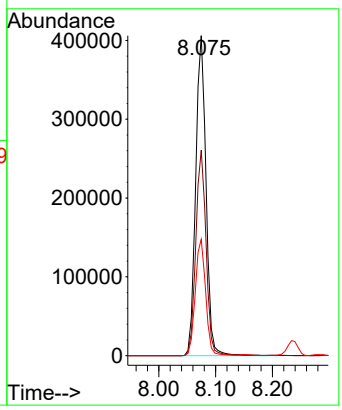


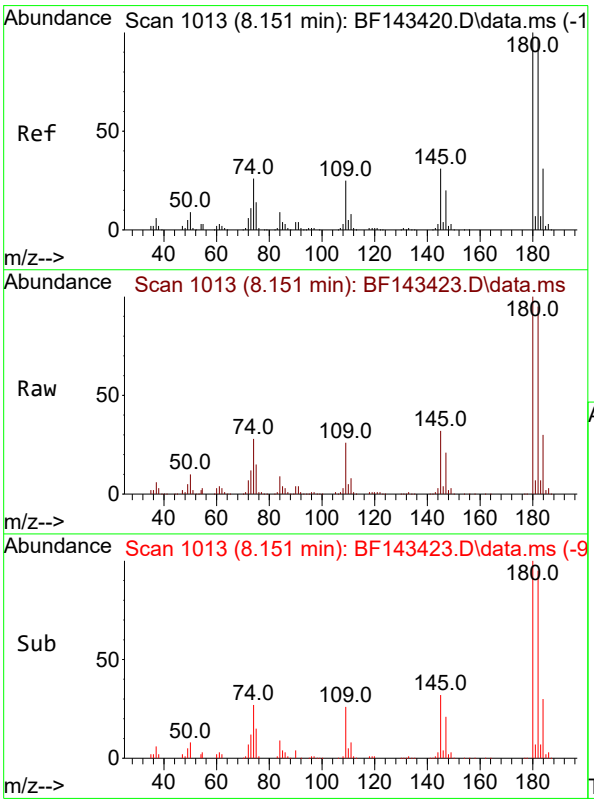
#29
2,4-Dichlorophenol
Concen: 73.880 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 516697

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.3	84.3
98	36.3	16.9	56.9

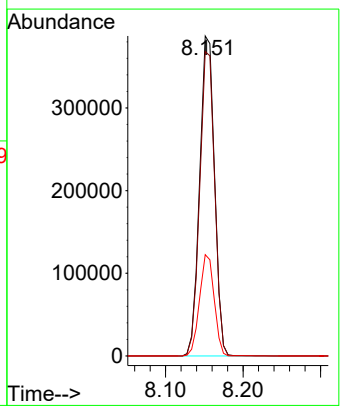


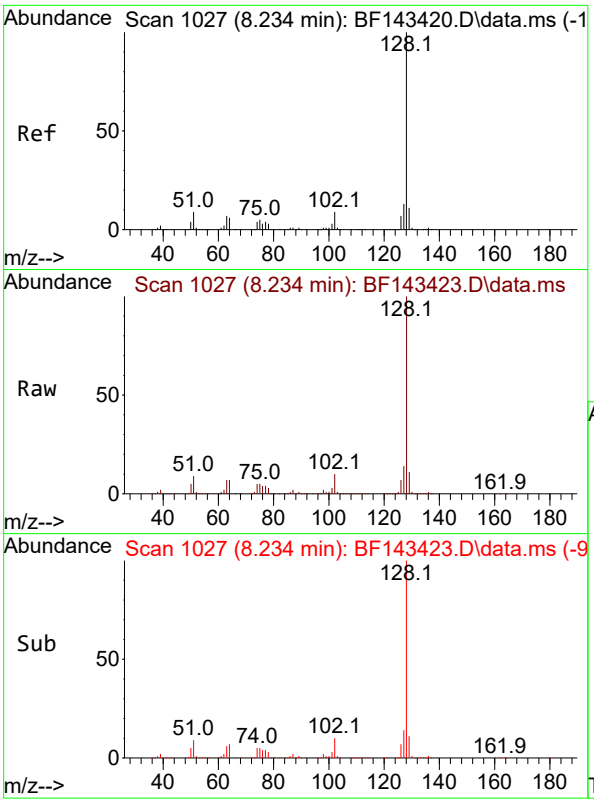


#30
1,2,4-Trichlorobenzene
Concen: 72.057 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:180 Resp: 516357

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.7	115.1
145	31.7	24.5	36.7



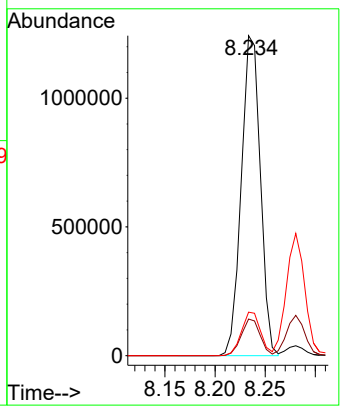


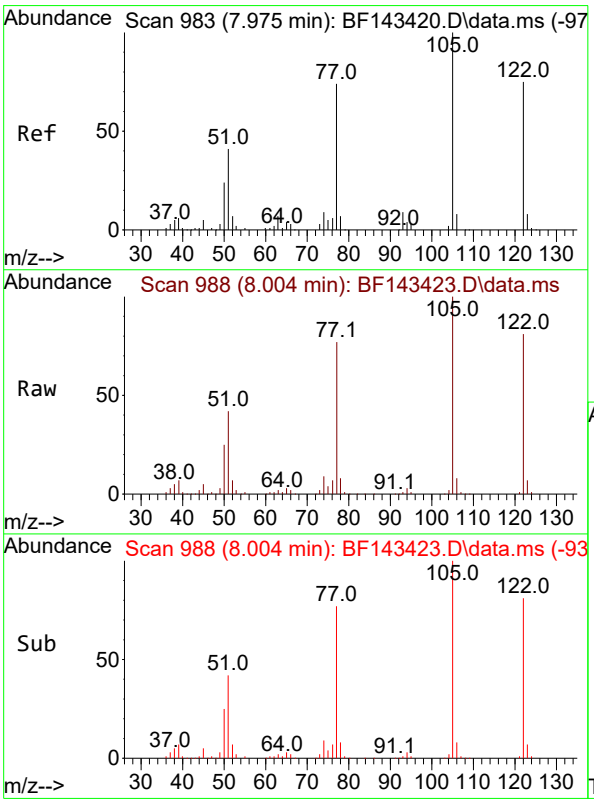
#31
Naphthalene
Concen: 69.661 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 1643524

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	13.6	10.6	16.0

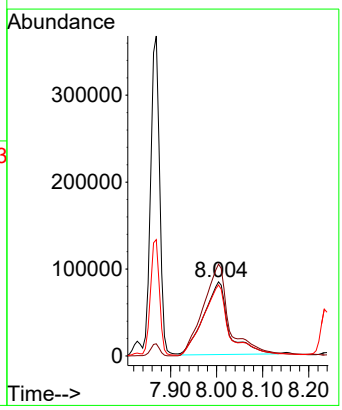


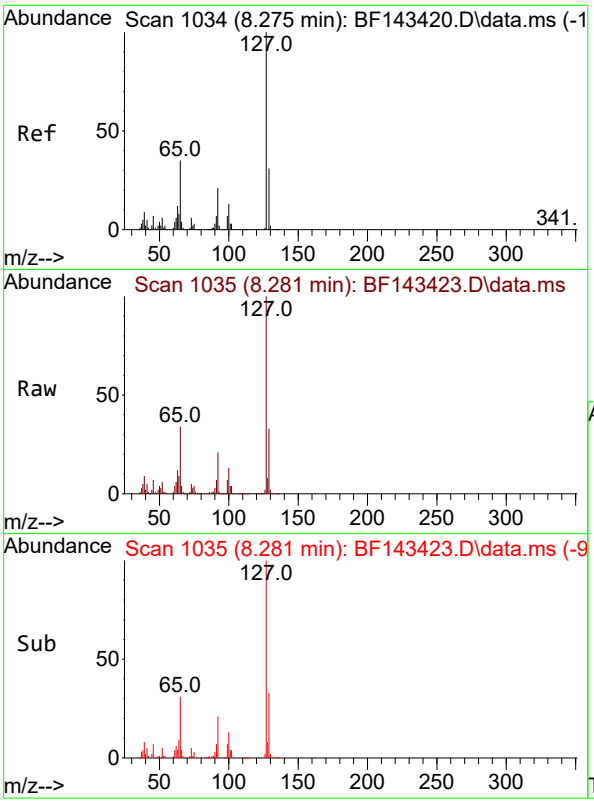


#32
Benzoic acid
Concen: 90.330 ng
RT: 8.004 min Scan# 988
Delta R.T. 0.029 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:122 Resp: 320776

Ion	Ratio	Lower	Upper
122	100		
105	123.9	108.4	148.4
77	95.9	75.9	115.9



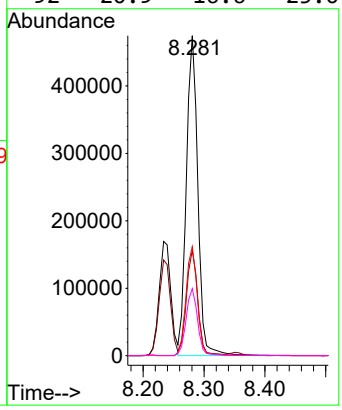


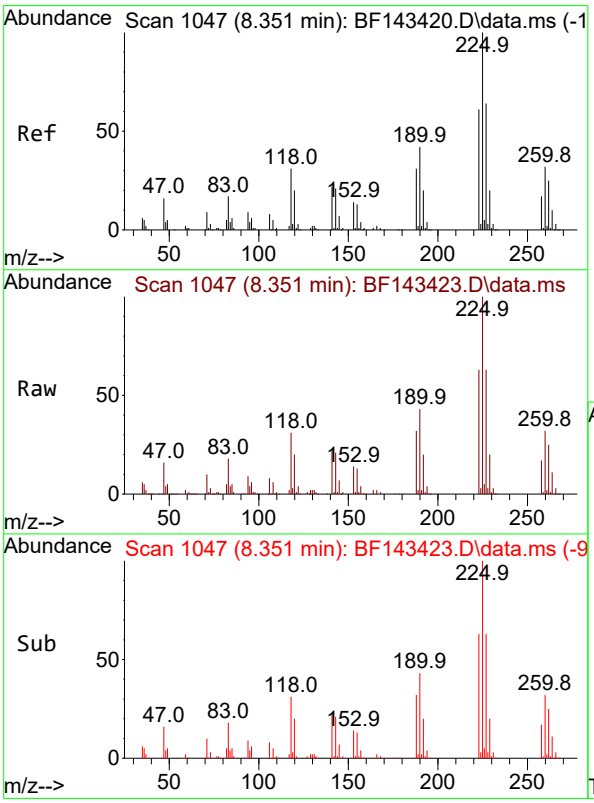
#33
4-Chloroaniline
Concen: 72.971 ng
RT: 8.281 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 621429

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.8	38.8
65	34.1	27.2	40.8
92	20.9	16.6	25.0

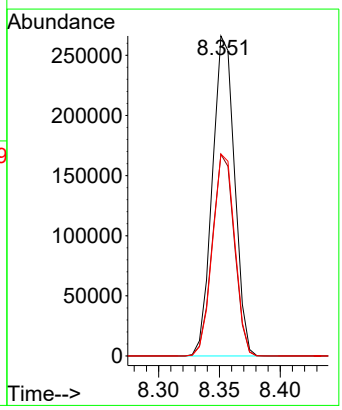


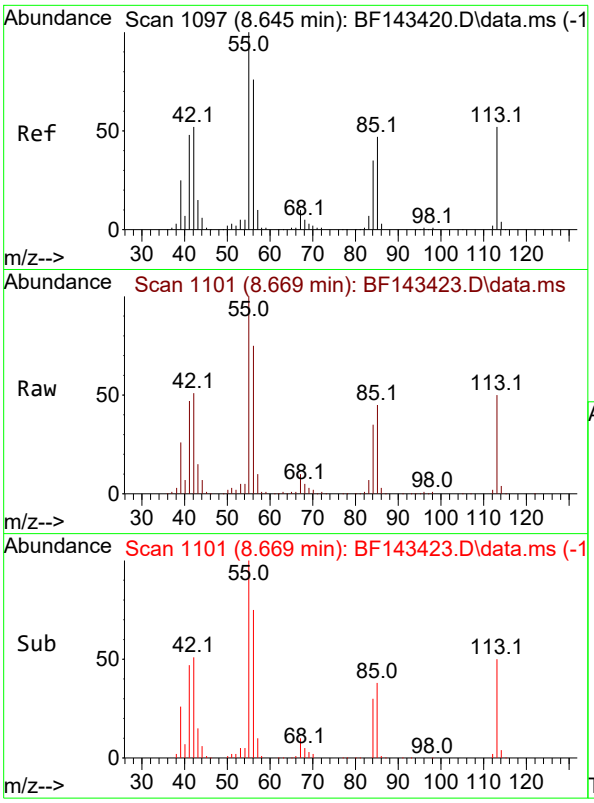


#34
Hexachlorobutadiene
Concen: 73.915 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:225 Resp: 337758

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.0	73.6
227	63.1	51.1	76.7



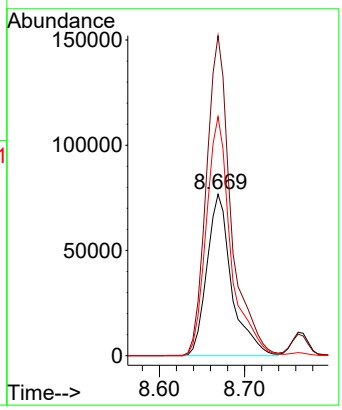


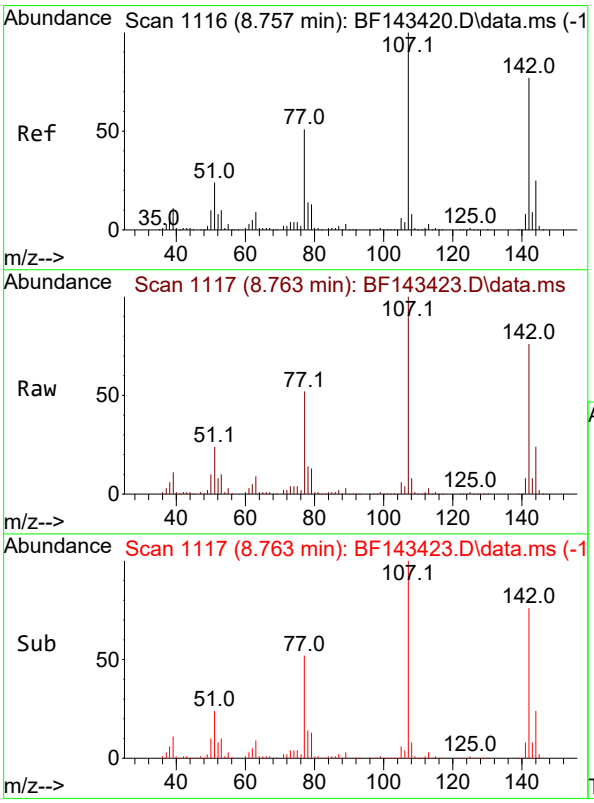
#35
Caprolactam
Concen: 76.585 ng
RT: 8.669 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 154207

Ion	Ratio	Lower	Upper
113	100		
55	198.2	174.7	214.7
56	148.0	127.0	167.0

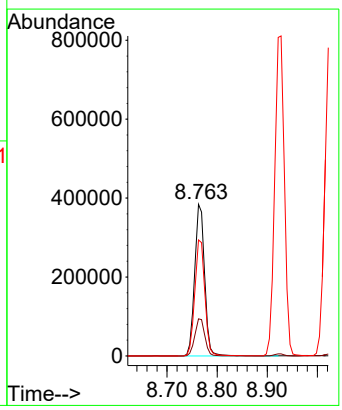


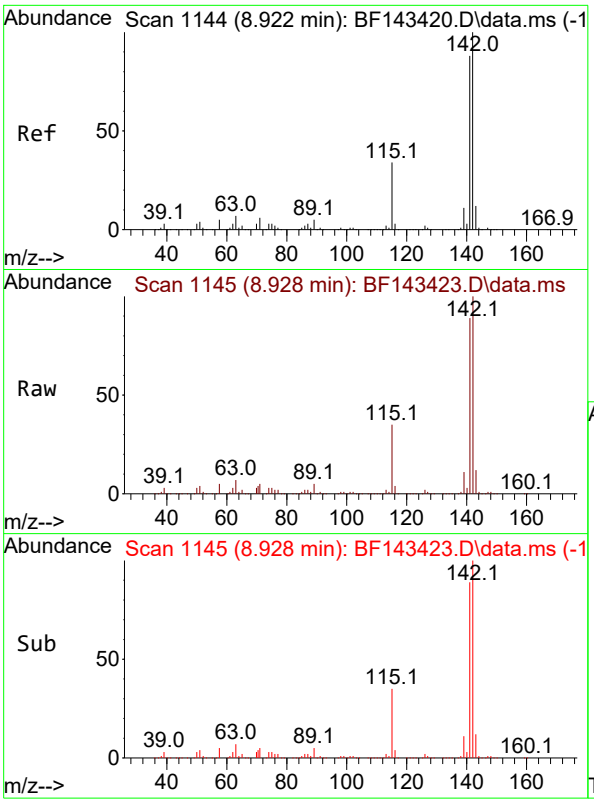


#36
4-Chloro-3-methylphenol
Concen: 73.333 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:107 Resp: 528206

Ion	Ratio	Lower	Upper
107	100		
144	24.5	20.2	30.2
142	76.4	62.0	93.0



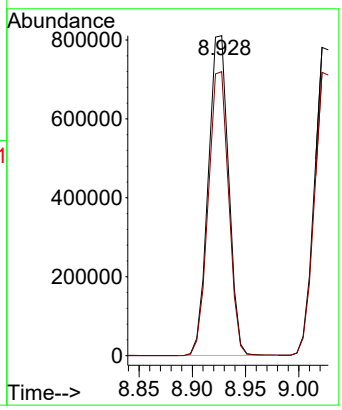


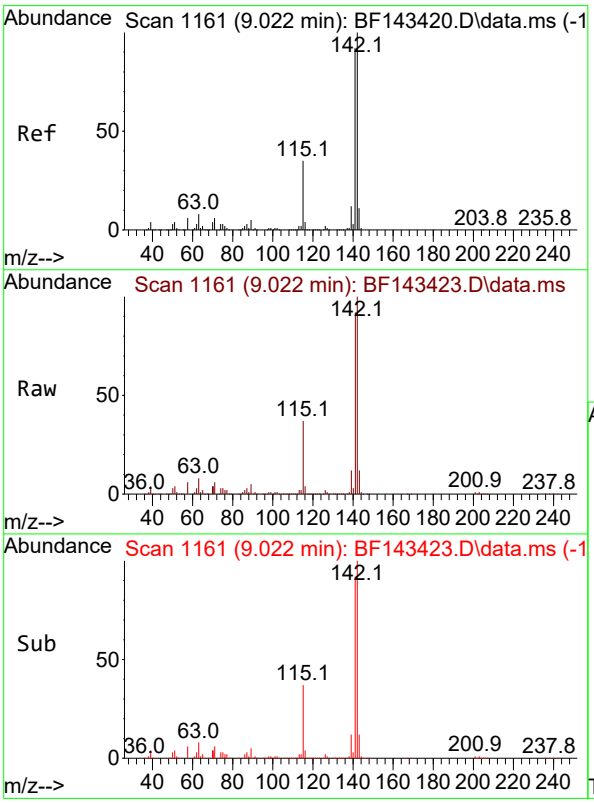
#37
2-Methylnaphthalene
Concen: 68.060 ng
RT: 8.928 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1082367

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5

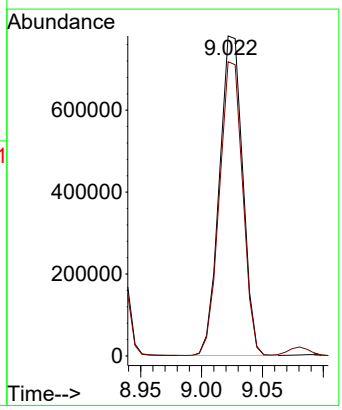


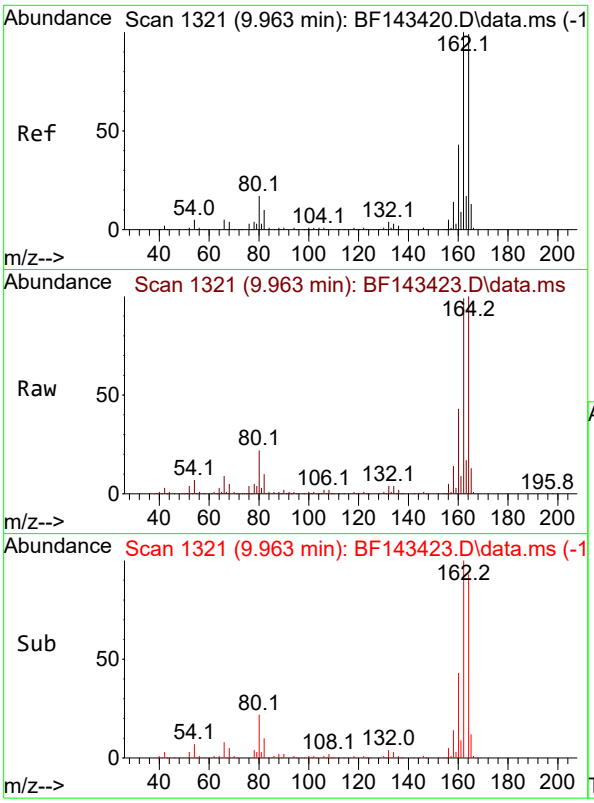


#38
1-Methylnaphthalene
Concen: 68.315 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:142 Resp: 1040898

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.8	110.6



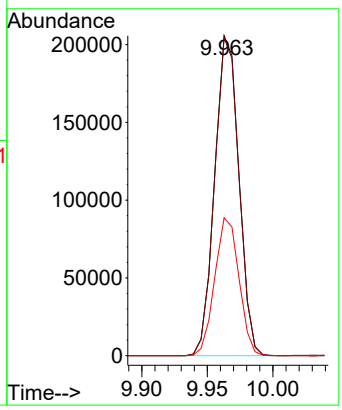


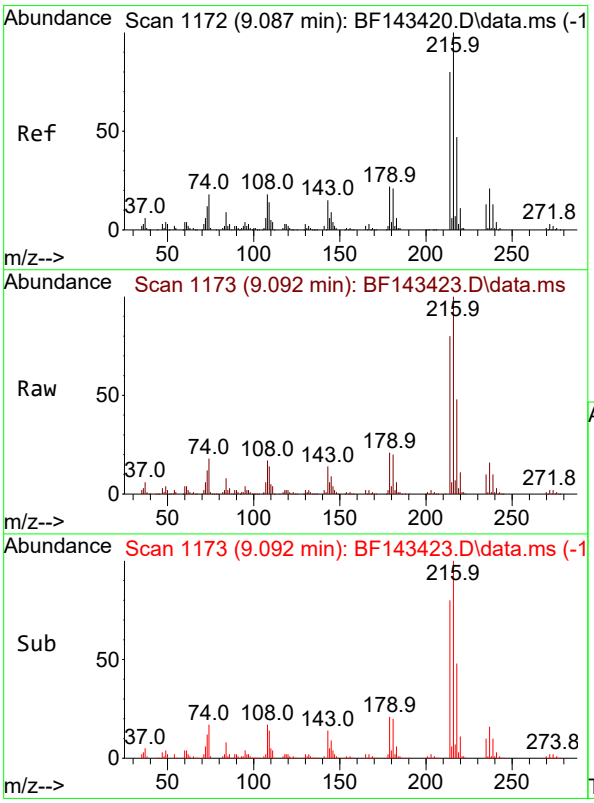
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 263799

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.6	121.0
160	43.1	34.6	51.8

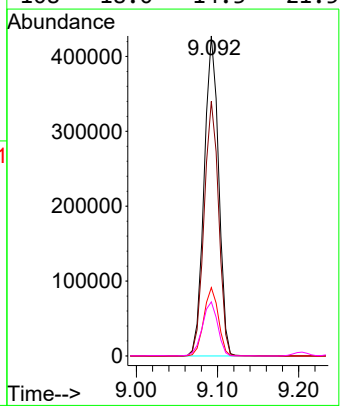


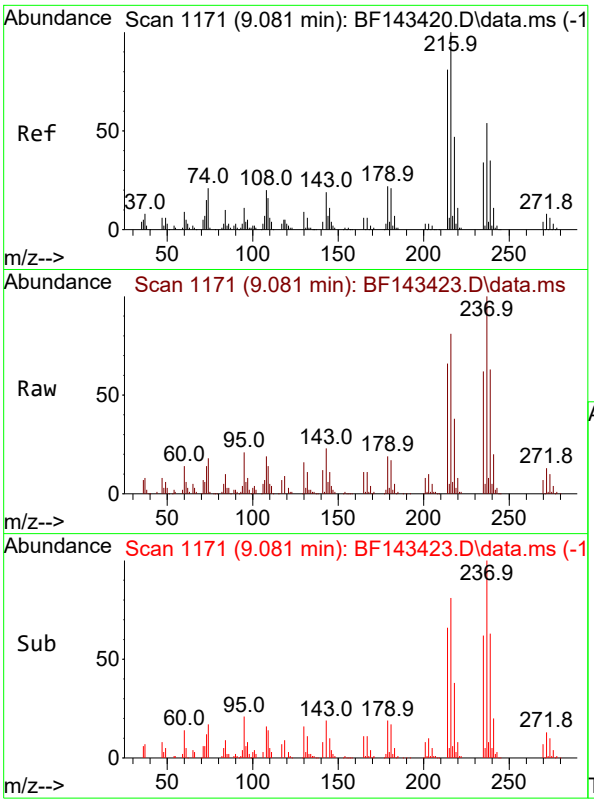


#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.904 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:216 Resp: 528998

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.7	95.5
179	21.3	17.0	25.4
108	18.0	14.3	21.5



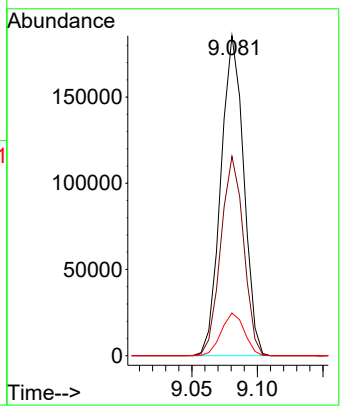


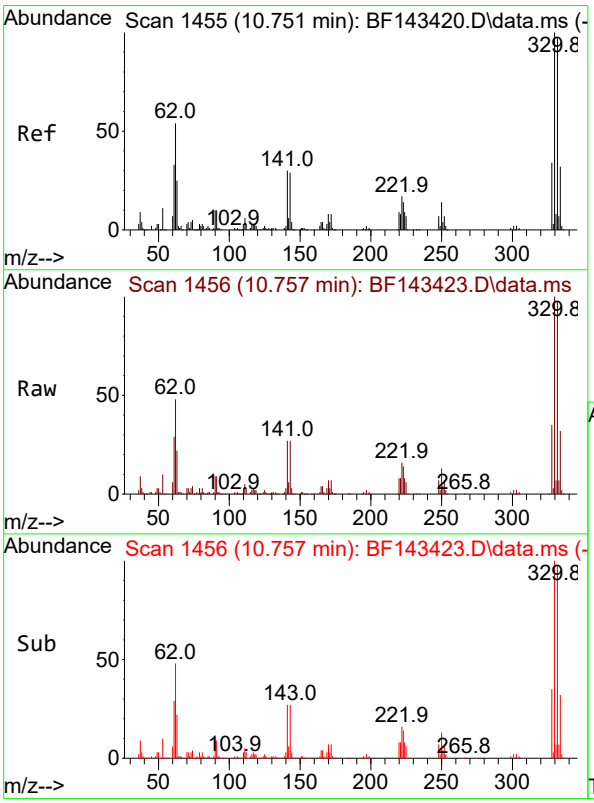
#41
Hexachlorocyclopentadiene
Concen: 83.474 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 224806

Ion	Ratio	Lower	Upper
237	100		
235	62.2	41.6	81.6
272	13.4	0.0	33.8

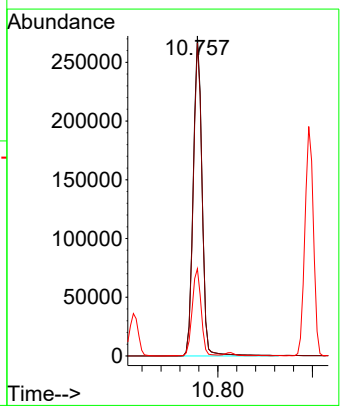


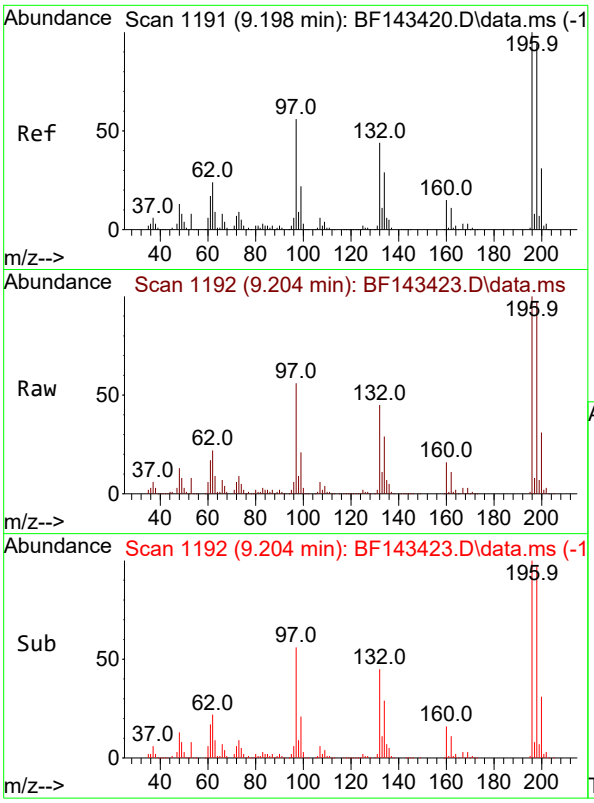


#42
2,4,6-Tribromophenol
Concen: 149.789 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:330 Resp: 351705

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.4	116.2
141	27.9	24.1	36.1



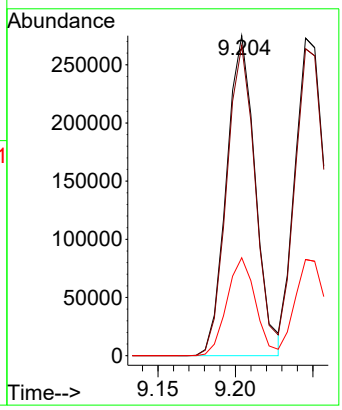


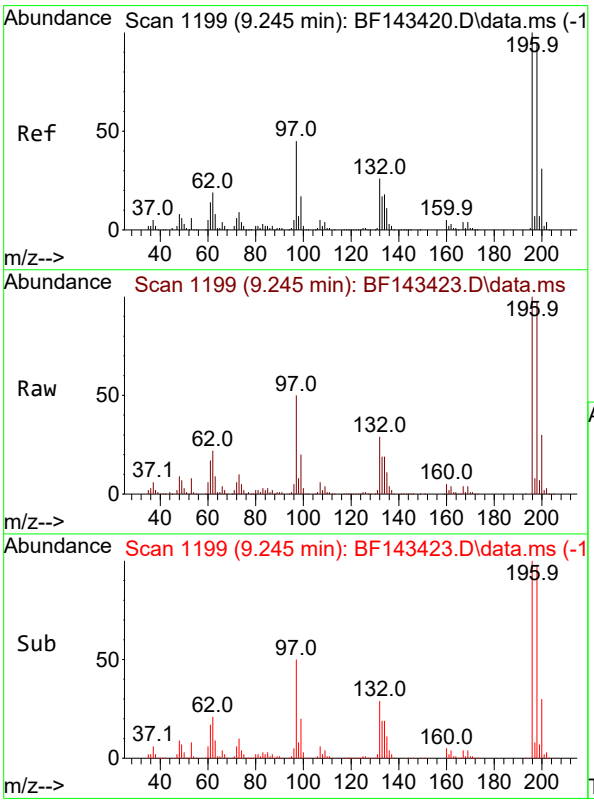
#43
2,4,6-Trichlorophenol
Concen: 77.637 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 356299

Ion	Ratio	Lower	Upper
196	100		
198	96.9	75.4	113.2
200	30.6	24.7	37.1

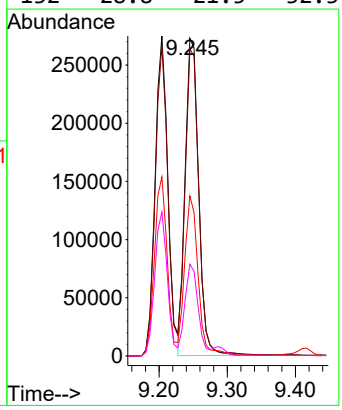


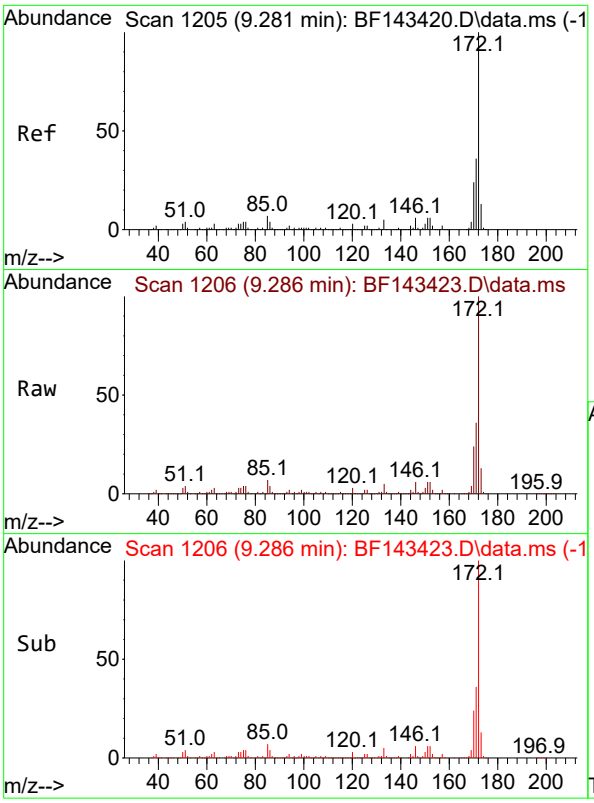


#44
2,4,5-Trichlorophenol
Concen: 76.189 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:196 Resp: 374807

Ion	Ratio	Lower	Upper
196	100		
198	96.6	76.2	114.4
97	50.4	36.6	55.0
132	28.8	21.5	32.3



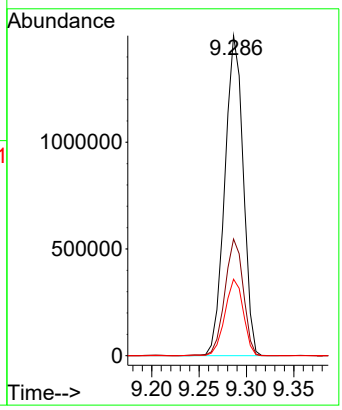


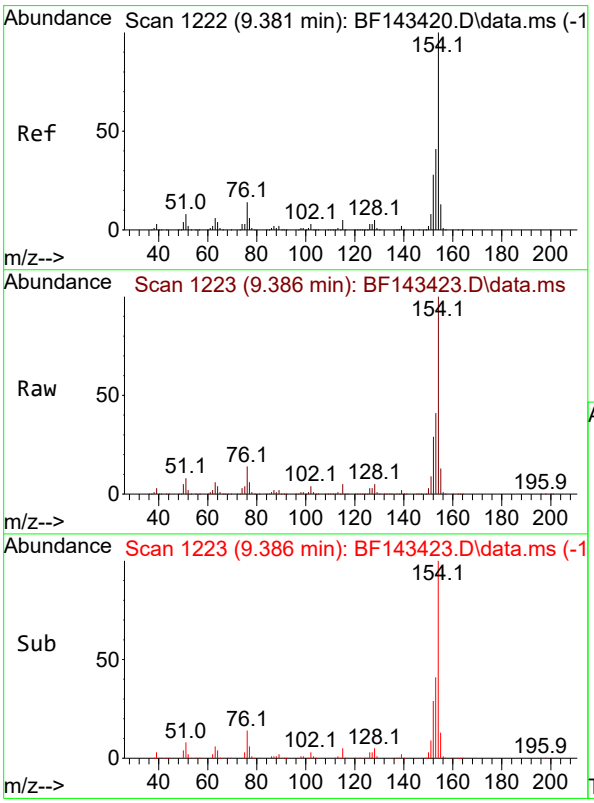
#45
2-Fluorobiphenyl
Concen: 129.225 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 2026738

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.7	43.1
170	23.9	19.0	28.6

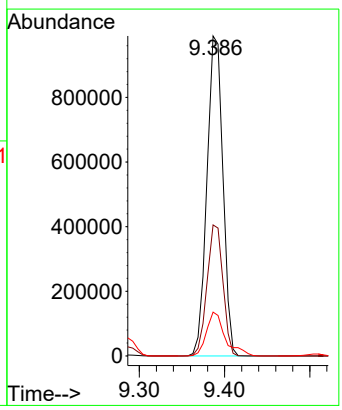


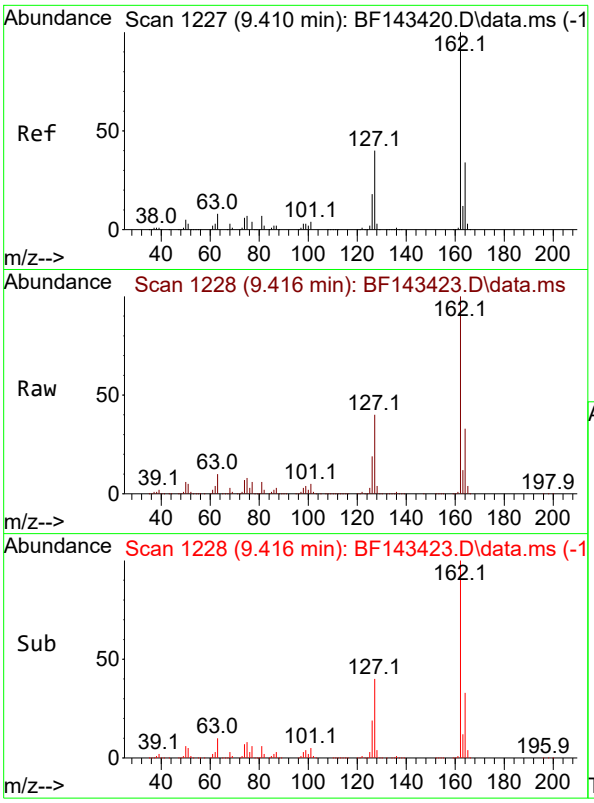


#46
1,1'-Biphenyl
Concen: 69.497 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:154 Resp: 1288126

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.6	60.6
76	13.7	0.0	33.8



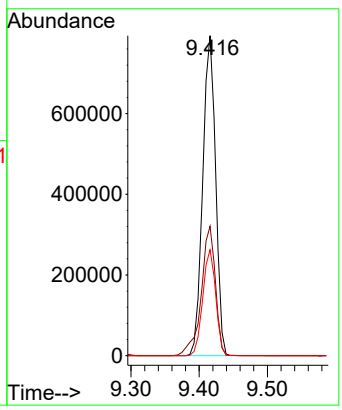


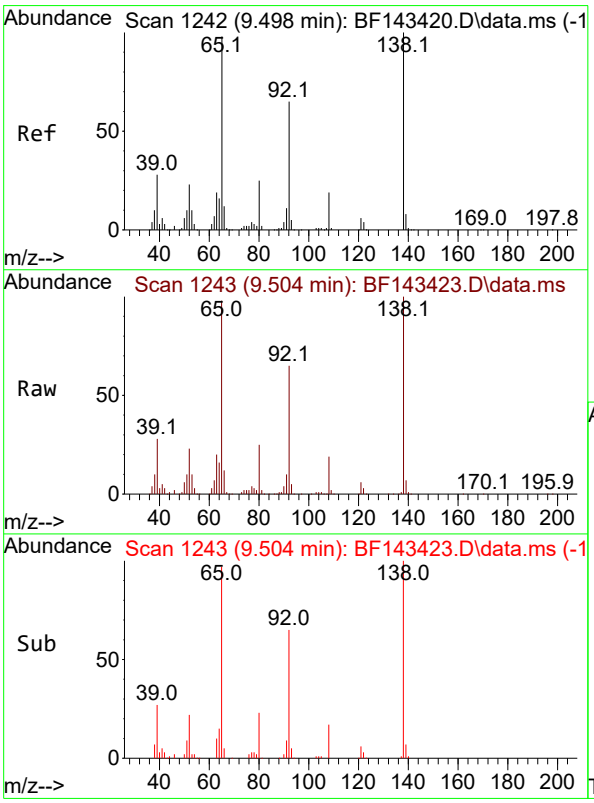
#47
2-Chloronaphthalene
Concen: 71.212 ng
RT: 9.416 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1041882

Ion	Ratio	Lower	Upper
162	100		
127	40.5	32.3	48.5
164	33.1	26.9	40.3

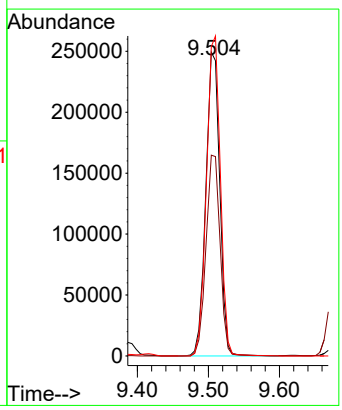


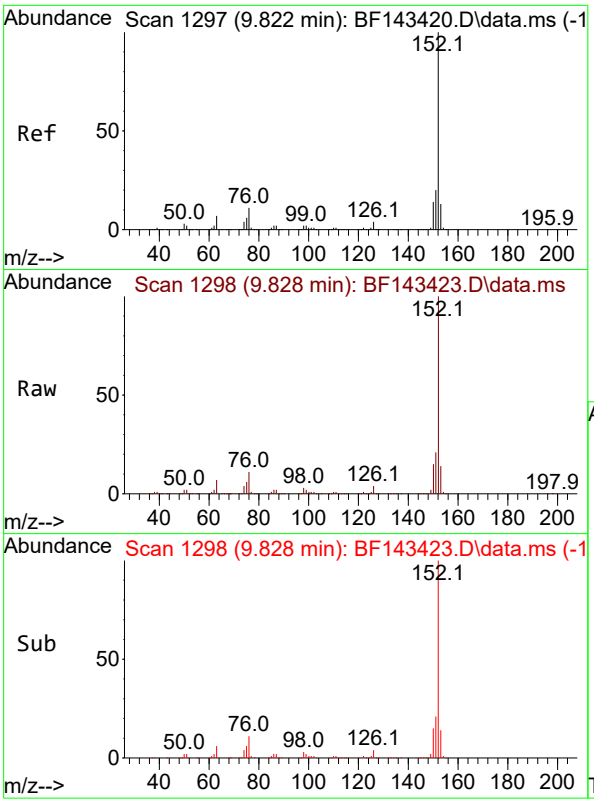


#48
2-Nitroaniline
Concen: 78.301 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 65 Resp: 340918

Ion	Ratio	Lower	Upper
65	100		
92	66.1	52.9	79.3
138	101.8	81.3	121.9



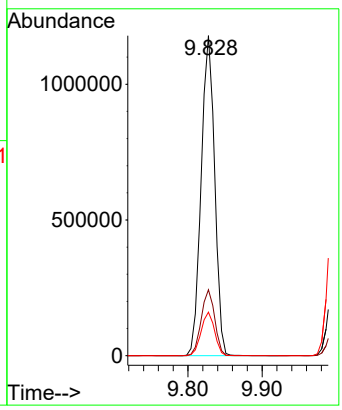


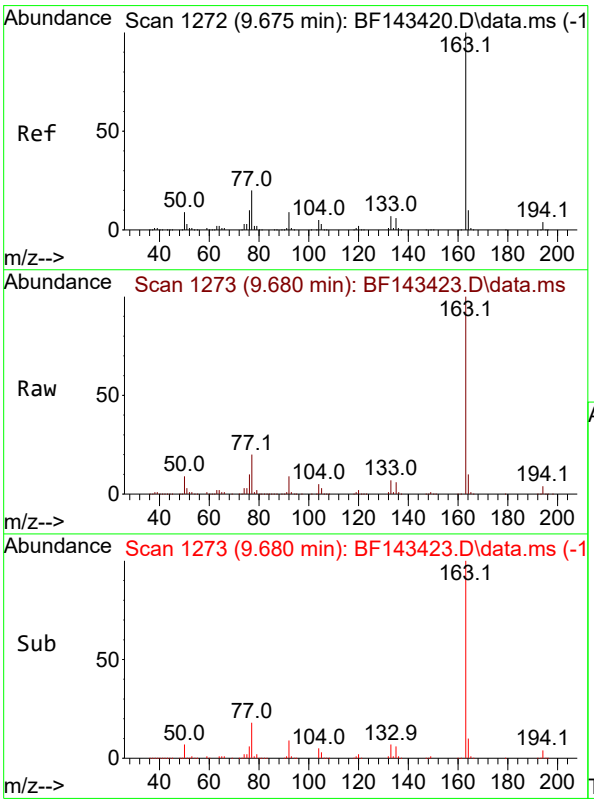
#49
Acenaphthylene
Concen: 70.690 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 1493270

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	13.6	10.8	16.2

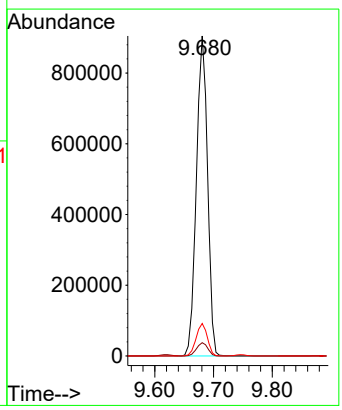


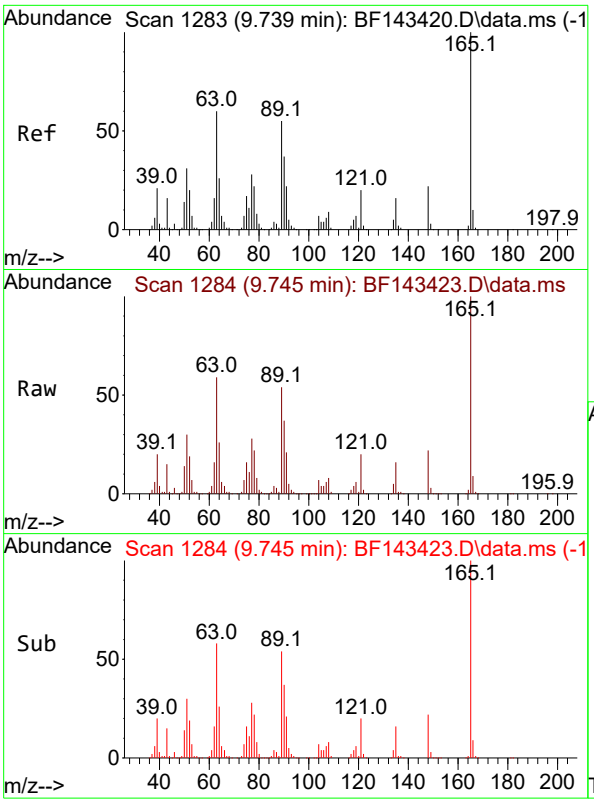


#50
Dimethylphthalate
Concen: 72.643 ng
RT: 9.680 min Scan# 1273
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:163 Resp: 1194741

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.4



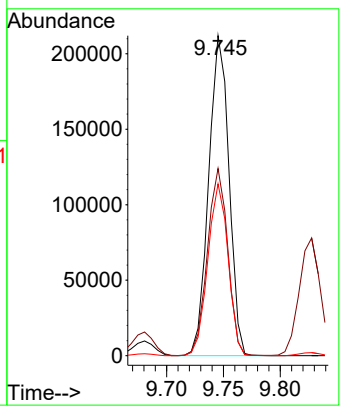


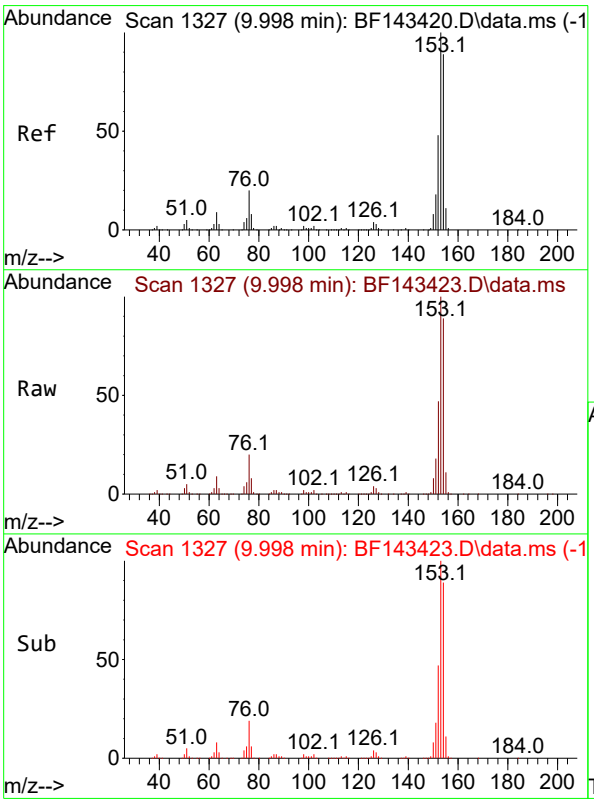
#51
2,6-Dinitrotoluene
Concen: 81.289 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 263550

Ion	Ratio	Lower	Upper
165	100		
63	58.5	48.2	72.2
89	53.7	44.2	66.2

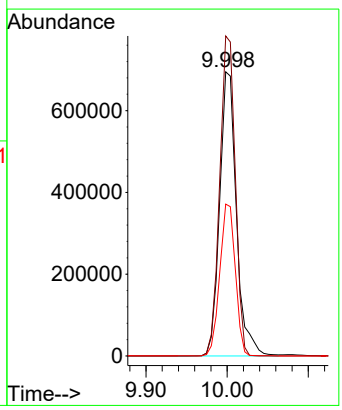


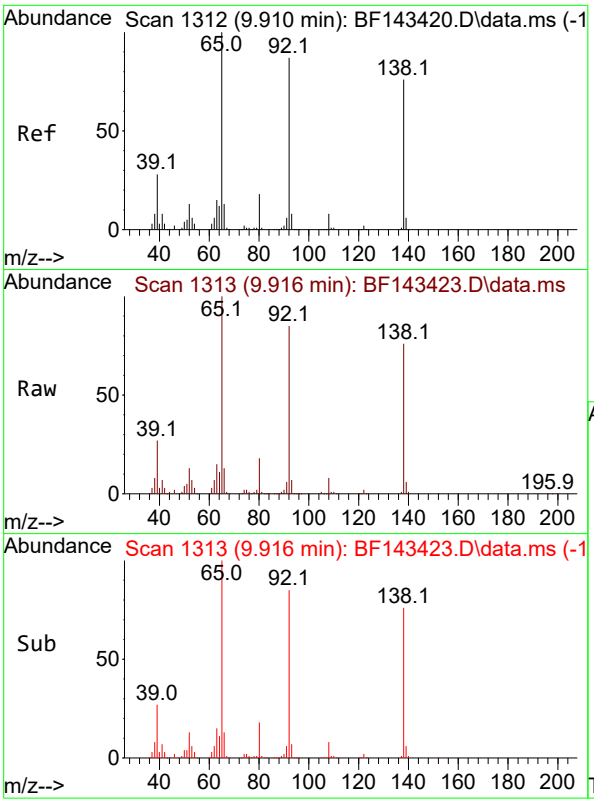


#52
Acenaphthene
Concen: 70.534 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:154 Resp: 1002131

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.5	134.3
152	53.5	42.6	64.0



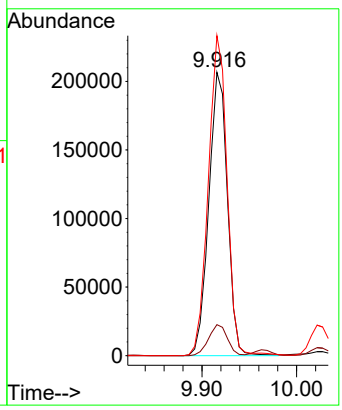


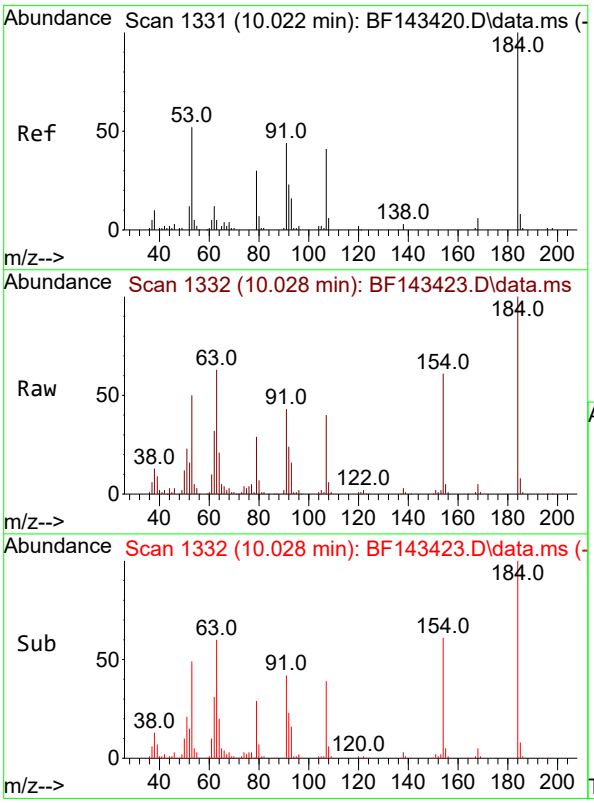
#53
3-Nitroaniline
Concen: 78.329 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 282887

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.7	13.1
92	112.9	91.4	137.2

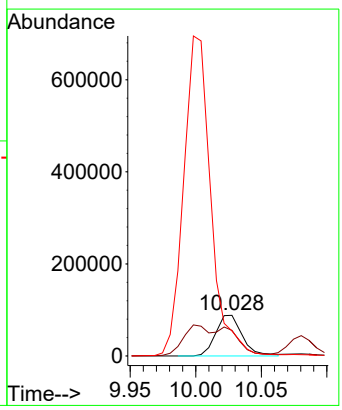


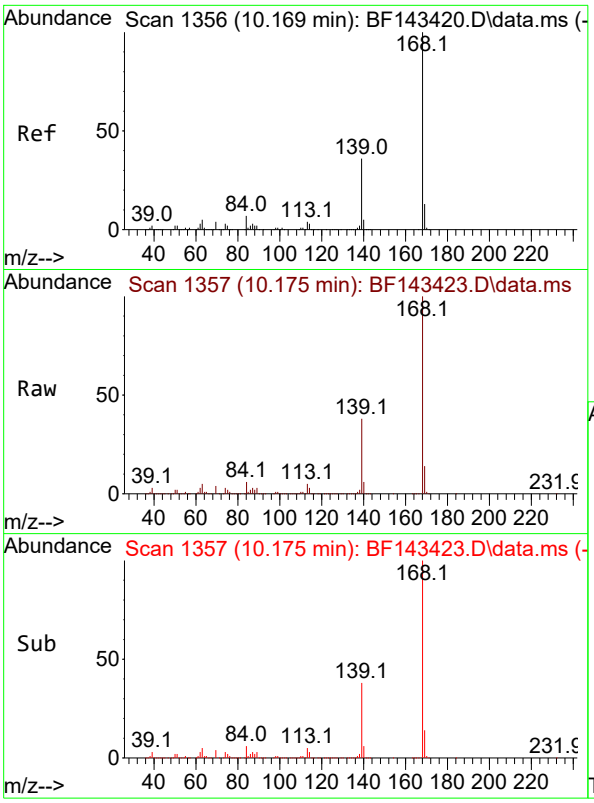


#54
2,4-Dinitrophenol
Concen: 82.478 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:184 Resp: 124607

Ion	Ratio	Lower	Upper
184	100		
63	63.0	53.2	79.8
154	61.5	51.3	76.9



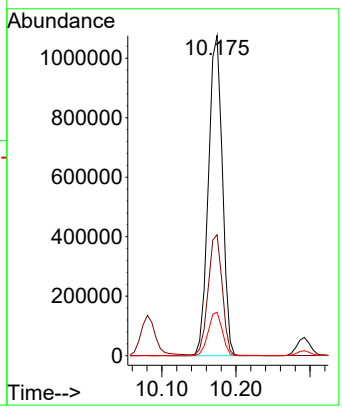


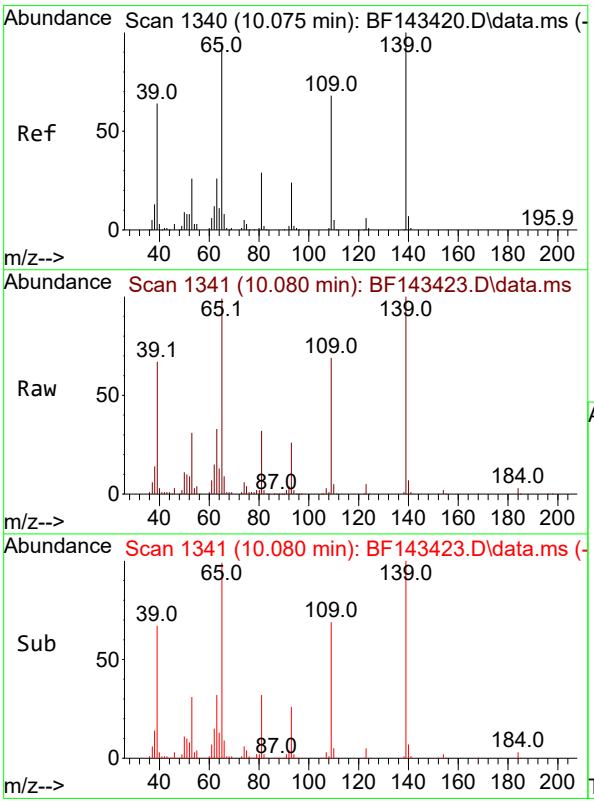
#55
Dibenzofuran
Concen: 68.607 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 1406148

Ion	Ratio	Lower	Upper
168	100		
139	37.8	29.3	43.9
169	13.6	10.8	16.2

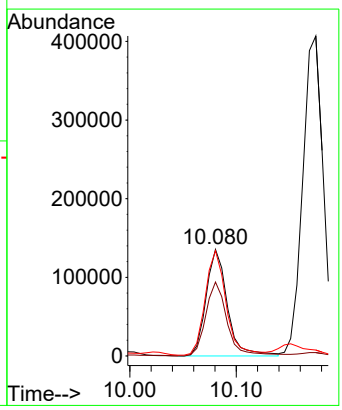


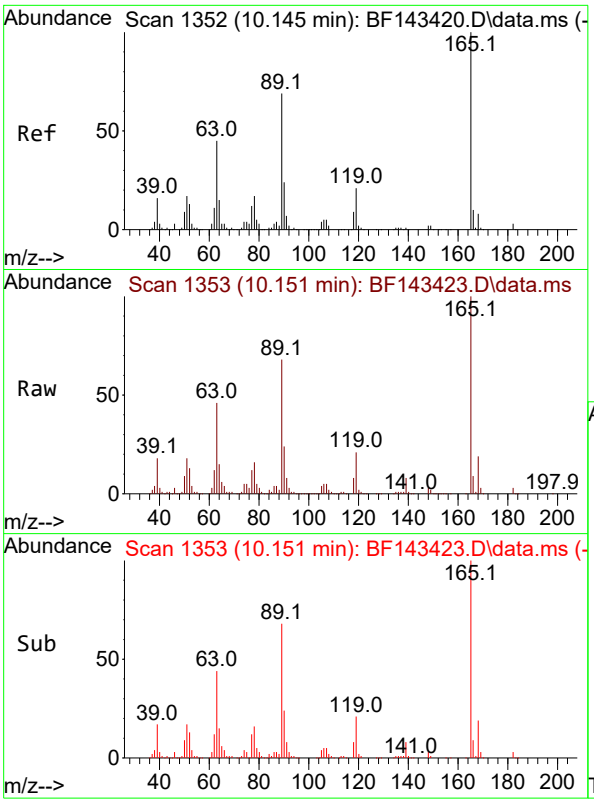


#56
4-Nitrophenol
Concen: 83.148 ng
RT: 10.080 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:139 Resp: 188791

Ion	Ratio	Lower	Upper
139	100		
109	69.4	47.7	87.7
65	98.7	76.4	116.4



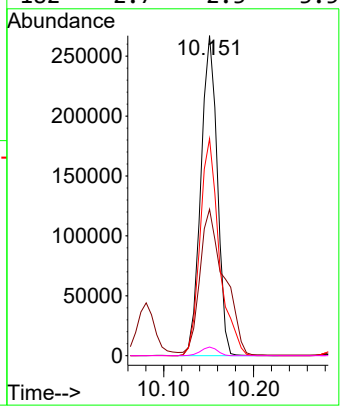


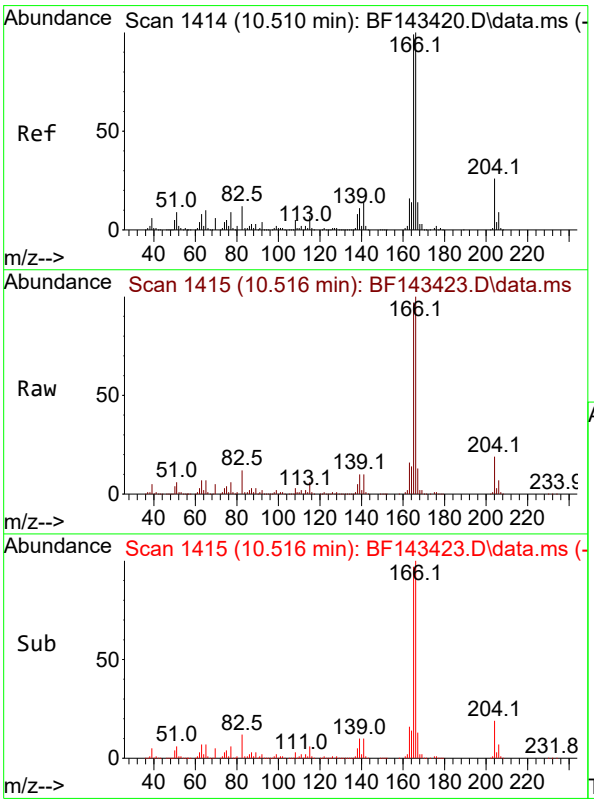
#57
2,4-Dinitrotoluene
Concen: 78.525 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 339430

Ion	Ratio	Lower	Upper
165	100		
63	45.7	37.0	55.6
89	67.8	55.4	83.0
182	2.7	2.3	3.5

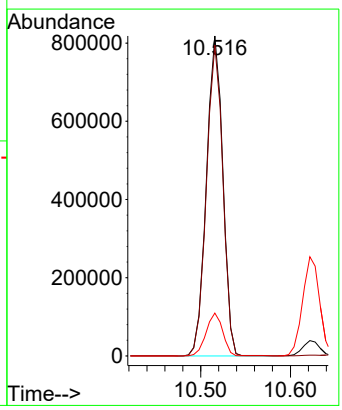


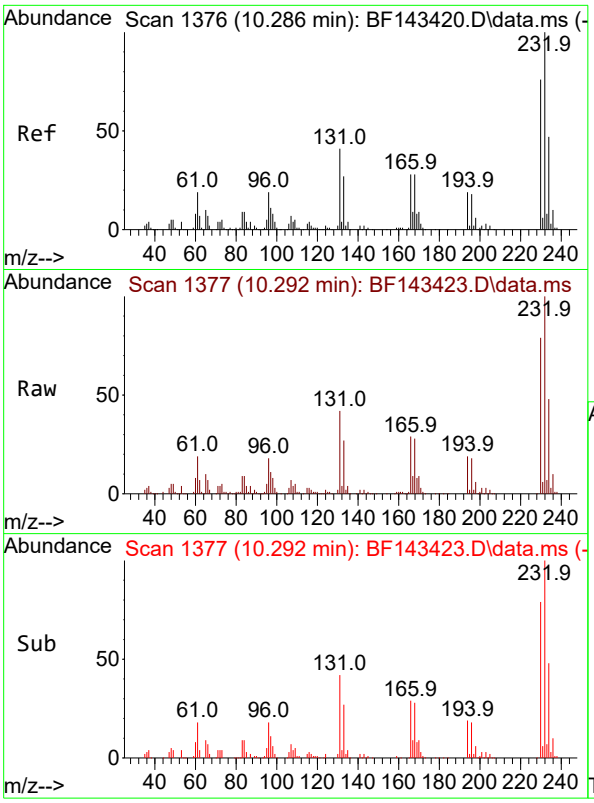


#58
Fluorene
Concen: 66.173 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:166 Resp: 1041922

Ion	Ratio	Lower	Upper
166	100		
165	97.1	79.0	118.6
167	13.4	10.9	16.3



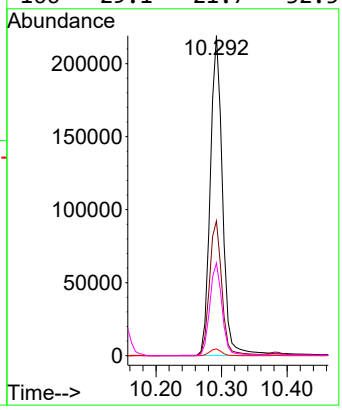


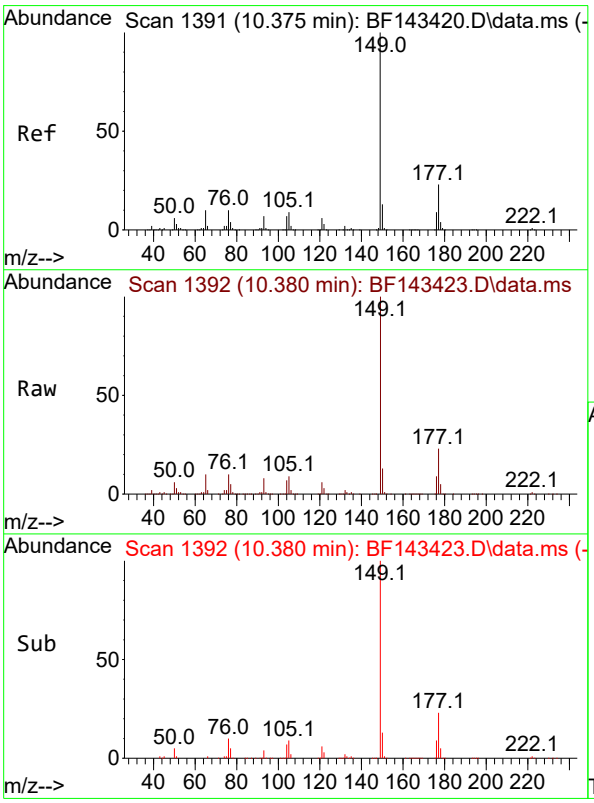
#59
2,3,4,6-Tetrachlorophenol
Concen: 76.562 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 285106

Ion	Ratio	Lower	Upper
232	100		
131	42.5	32.0	48.0
130	2.1	1.7	2.5
166	29.1	21.7	32.5

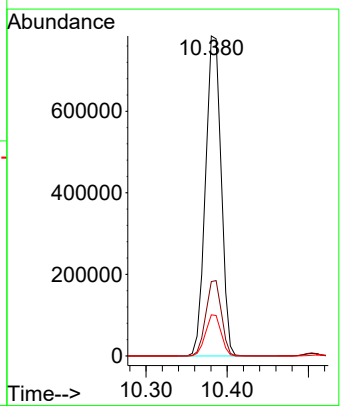


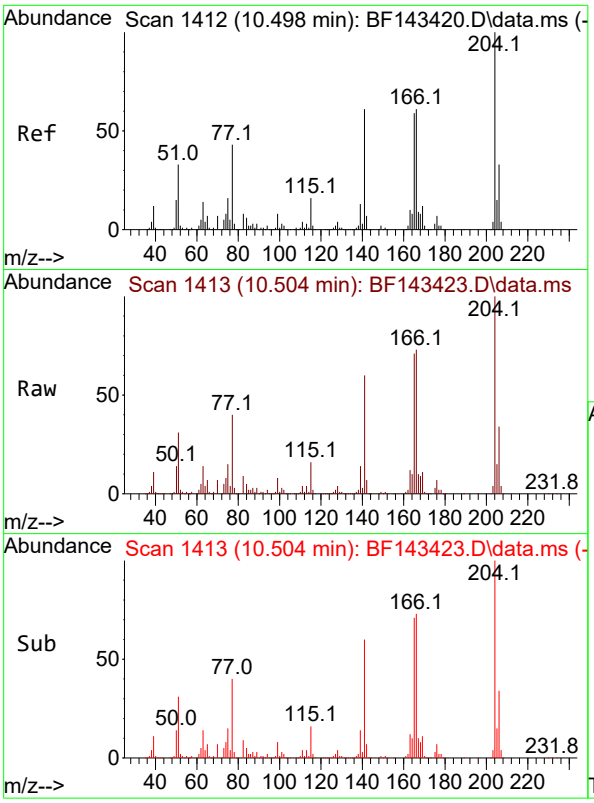


#60
Diethylphthalate
Concen: 68.997 ng
RT: 10.380 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:149 Resp: 1048638

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.2	27.4
150	12.8	10.1	15.1



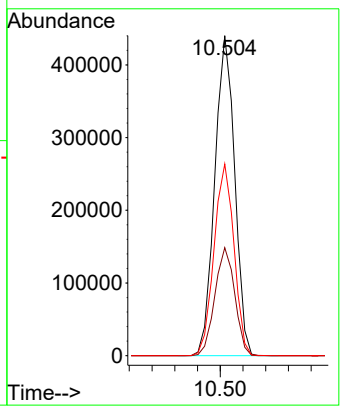


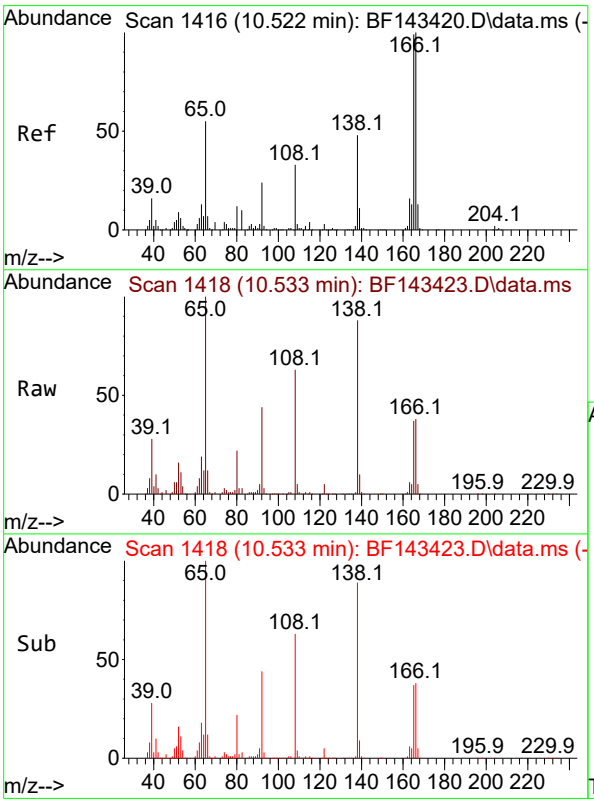
#61
4-Chlorophenyl-phenylether
Concen: 68.893 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 536308

Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.5	39.7
141	59.9	49.0	73.4

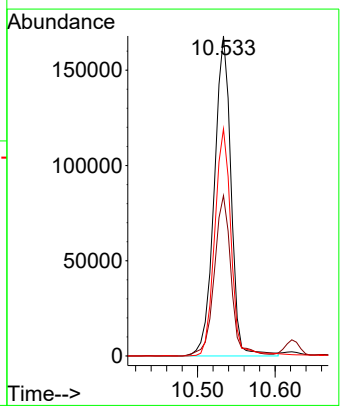


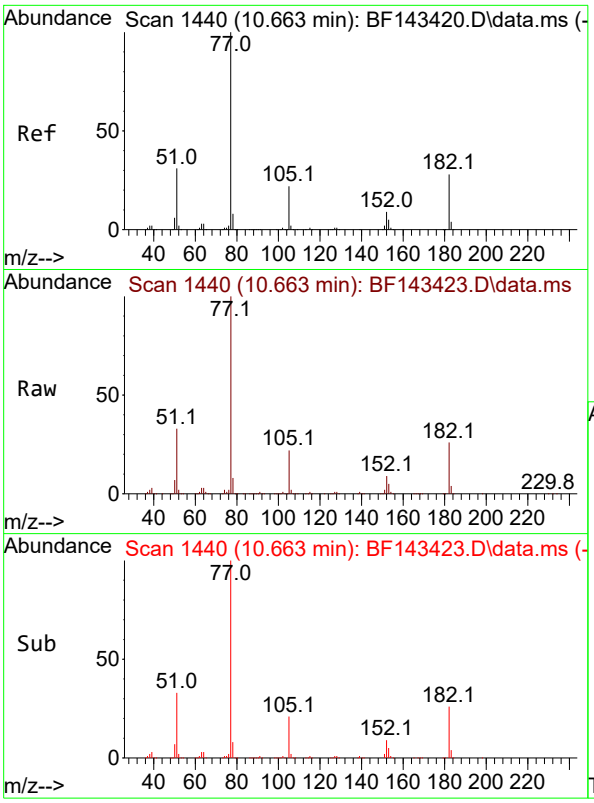


#62
4-Nitroaniline
Concen: 74.911 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:138 Resp: 253013

Ion	Ratio	Lower	Upper
138	100		
92	50.1	29.4	69.4
108	70.9	48.6	88.6



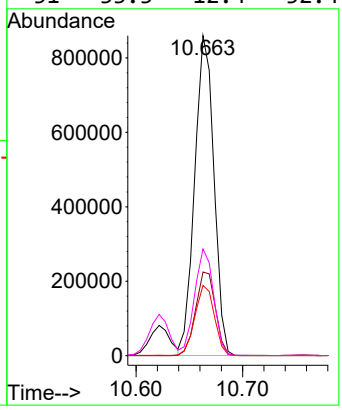


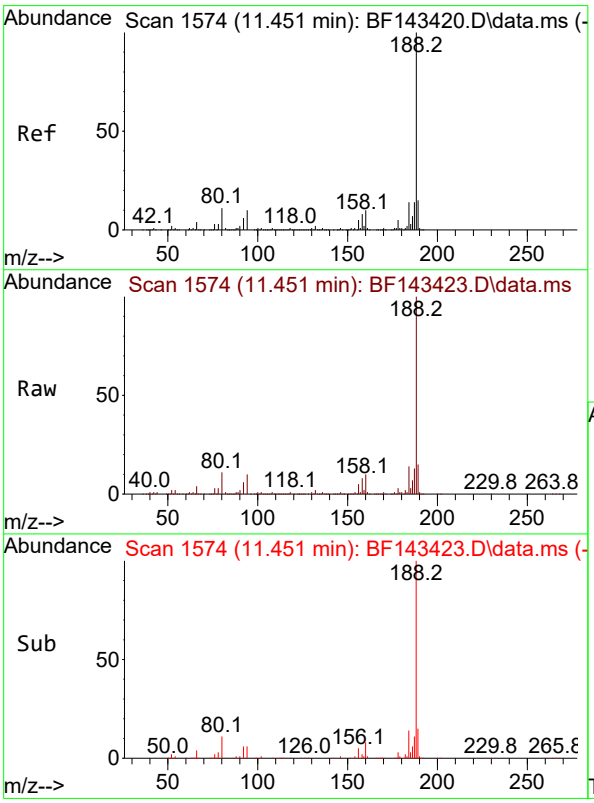
#63
Azobenzene
Concen: 70.306 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1079950

Ion	Ratio	Lower	Upper
77	100		
182	26.1	7.4	47.4
105	22.0	1.7	41.7
51	33.3	12.4	52.4

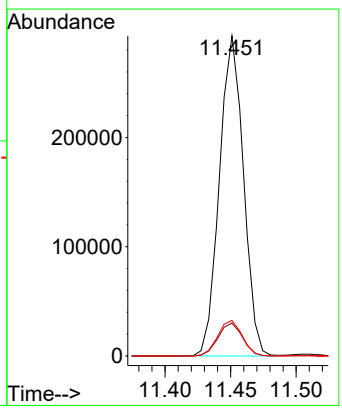


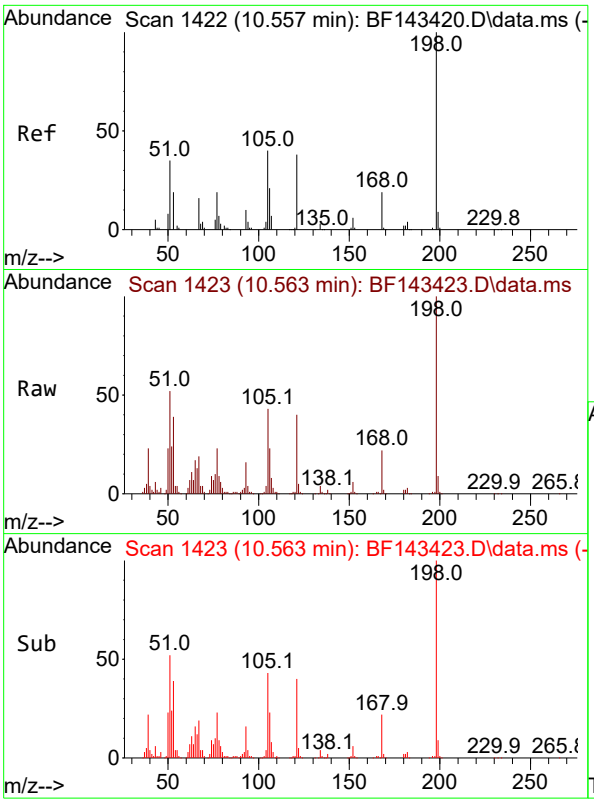


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:188 Resp: 374109

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.0	12.0
80	11.1	8.6	12.8



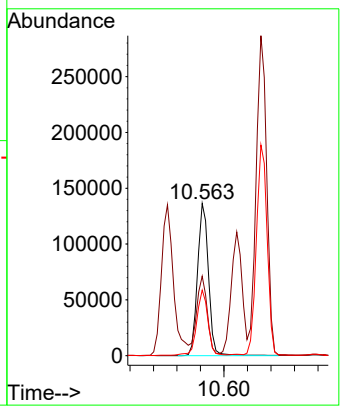


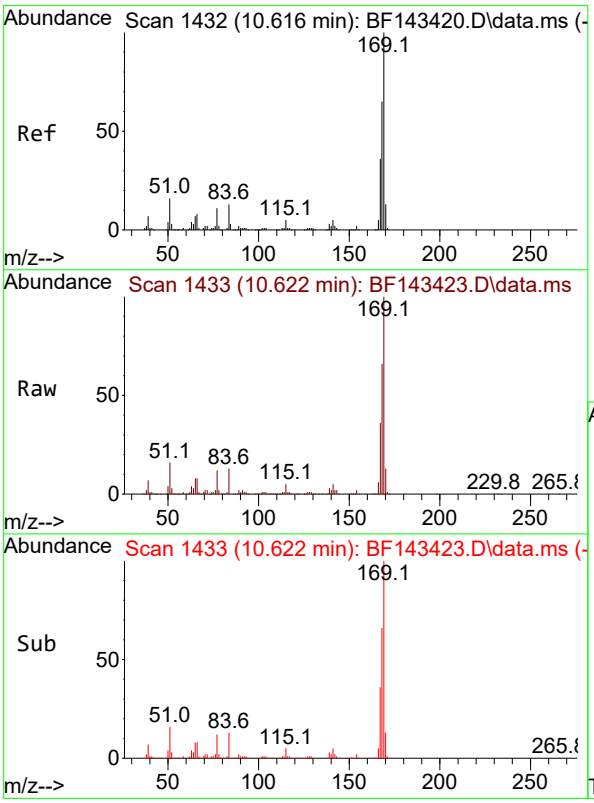
#65
4,6-Dinitro-2-methylphenol
Concen: 91.491 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 176602

Ion	Ratio	Lower	Upper
198	100		
51	52.2	31.2	71.2
105	43.1	21.7	61.7

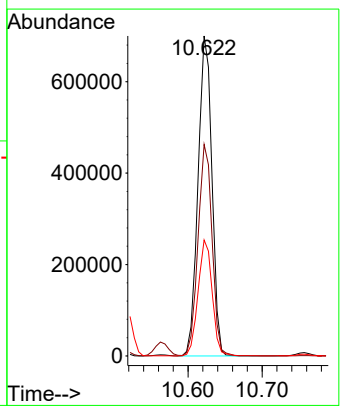


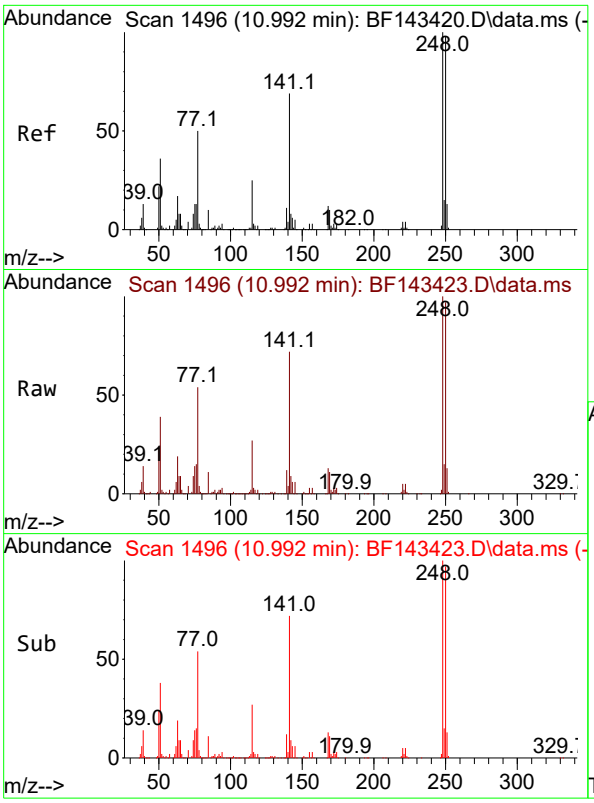


#66
n-Nitrosodiphenylamine
Concen: 74.898 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:169 Resp: 911081

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.5	78.7
167	36.2	28.6	42.8



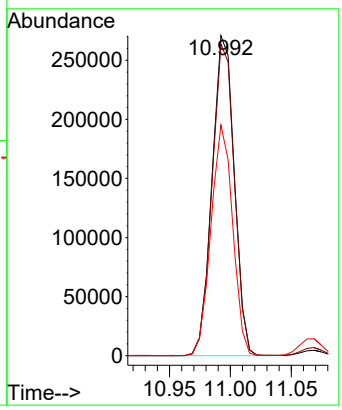


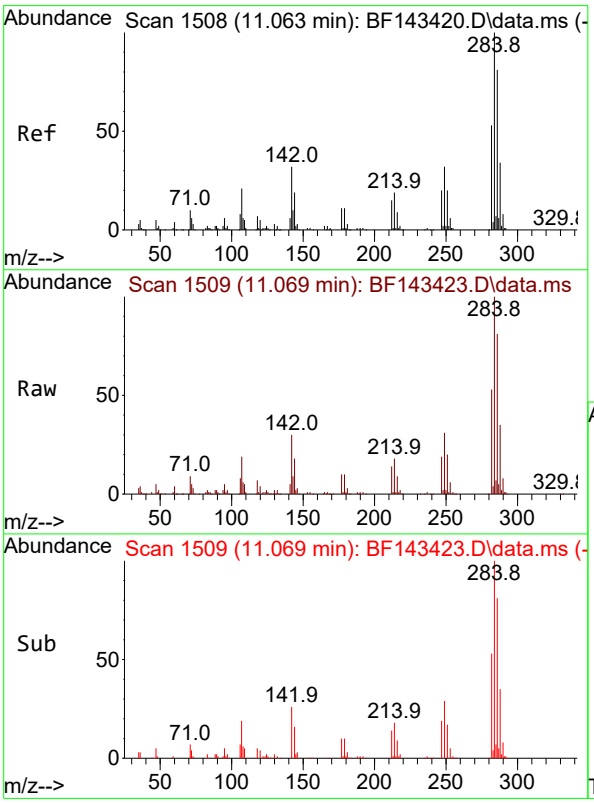
#67
4-Bromophenyl-phenylether
Concen: 77.781 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 343614

Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.6	118.0
141	72.1	54.9	82.3

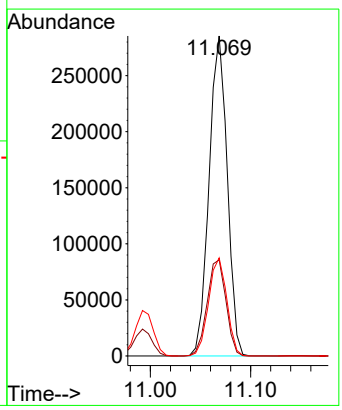


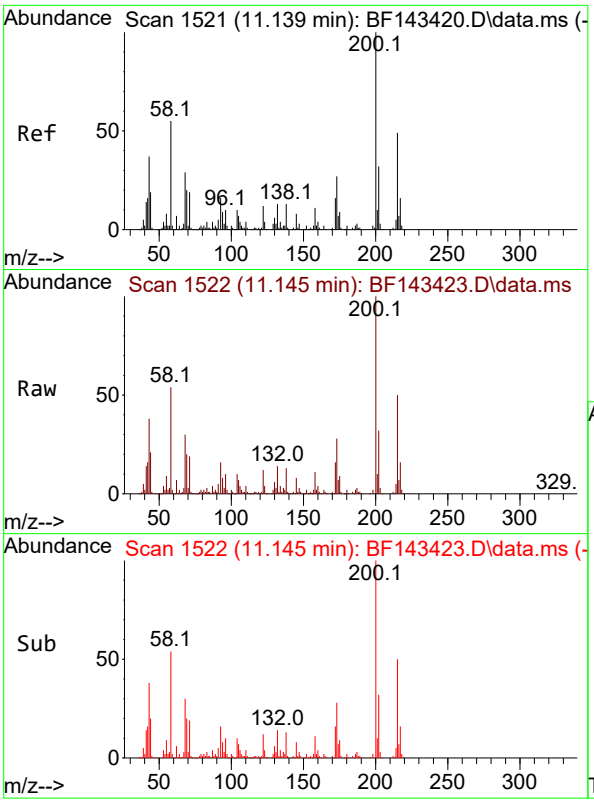


#68
Hexachlorobenzene
Concen: 76.486 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:284 Resp: 359214

Ion	Ratio	Lower	Upper
284	100		
142	30.0	25.4	38.2
249	30.7	25.4	38.0



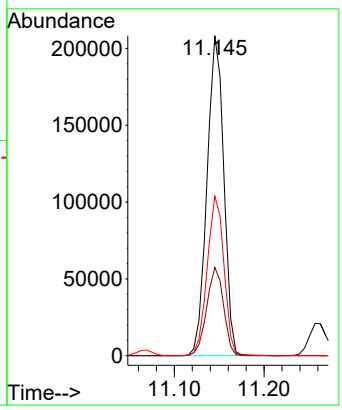


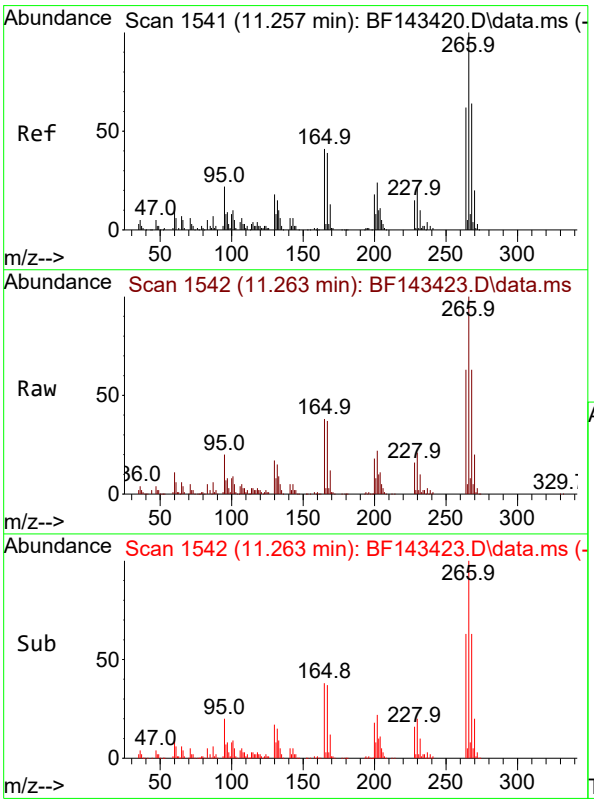
#69
Atrazine
Concen: 76.013 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 270449

Ion	Ratio	Lower	Upper
200	100		
173	27.6	6.6	46.6
215	49.8	29.5	69.5

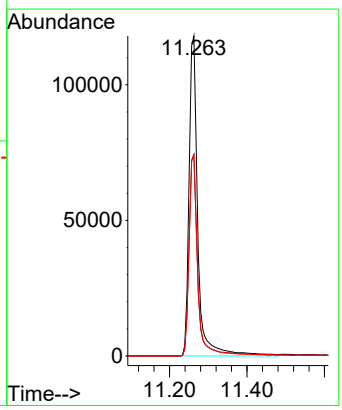


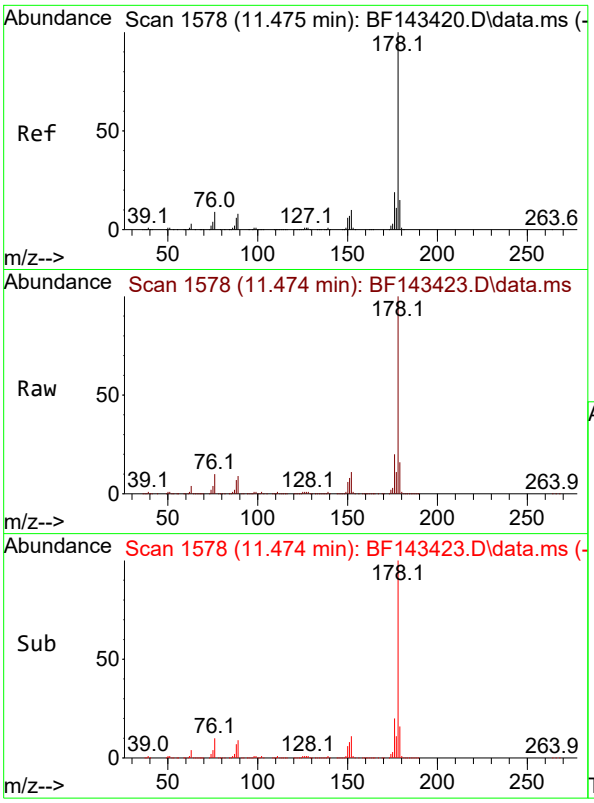


#70
Pentachlorophenol
Concen: 89.429 ng
RT: 11.263 min Scan# 1542
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:266 Resp: 186470

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.0	76.6
264	62.7	49.3	73.9



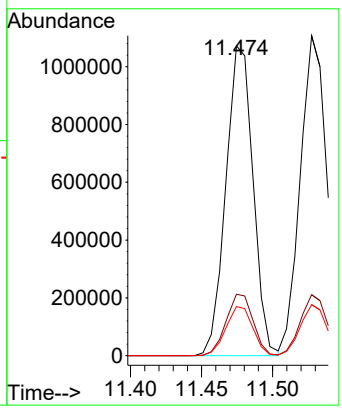


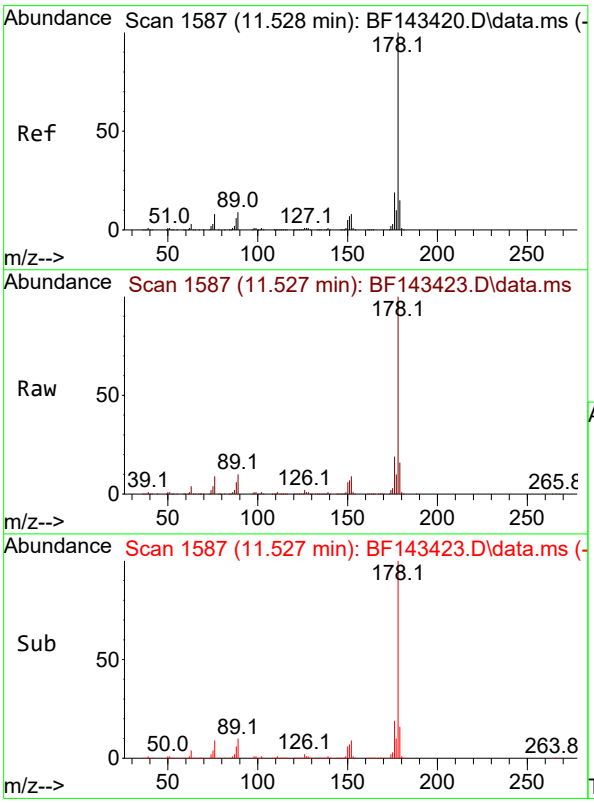
#71
Phenanthrene
Concen: 70.524 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1428719

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.0
179	15.8	12.3	18.5

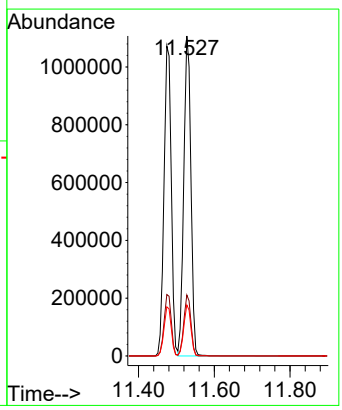


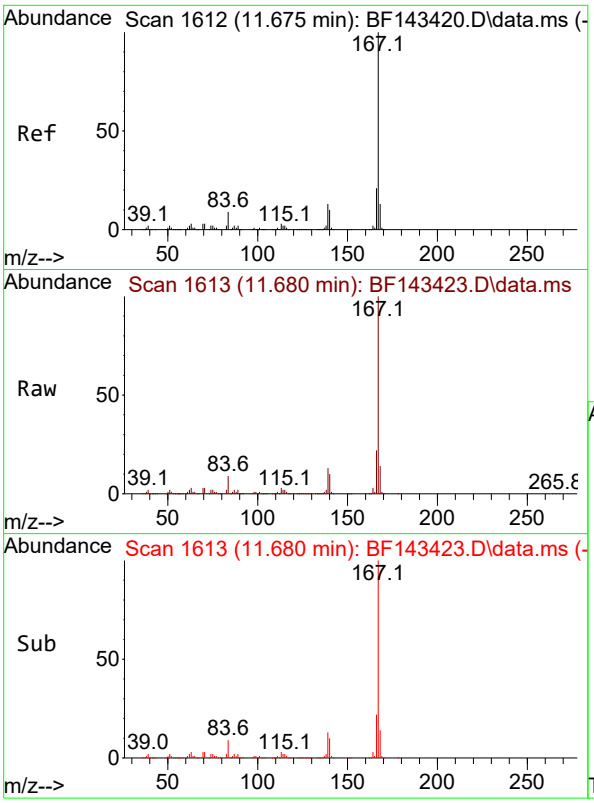


#72
Anthracene
Concen: 70.354 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:178 Resp: 1439557

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.8	22.2
179	16.0	12.2	18.4



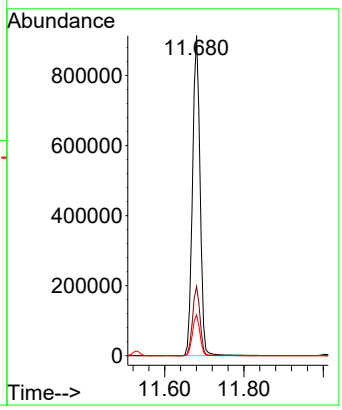


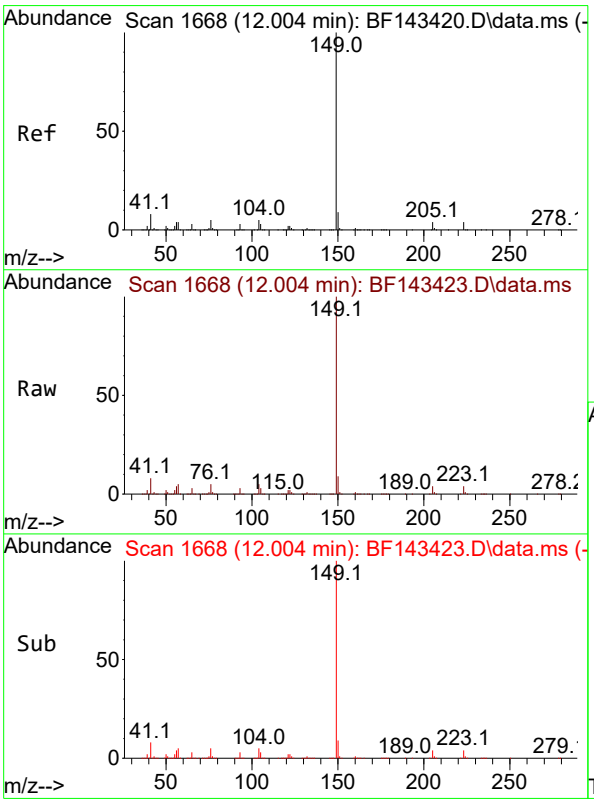
#73
Carbazole
Concen: 69.780 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 1207594

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.2	25.8
139	12.8	10.1	15.1

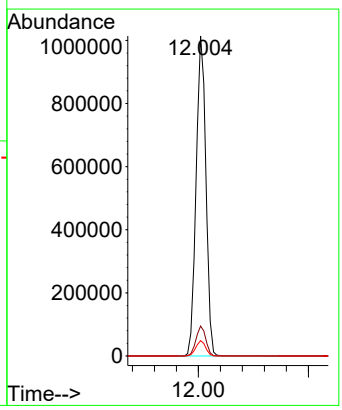


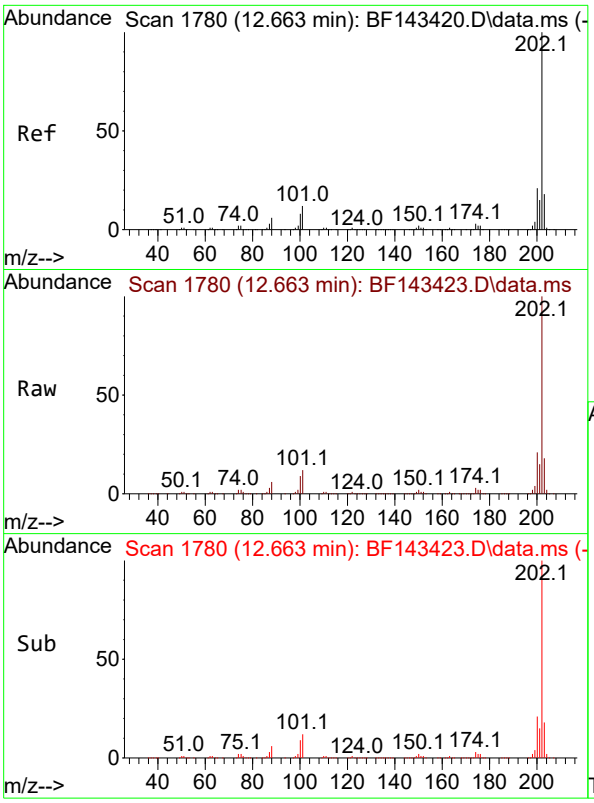


#74
Di-n-butylphthalate
Concen: 72.721 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:149 Resp: 1253224

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.8	3.8	5.6



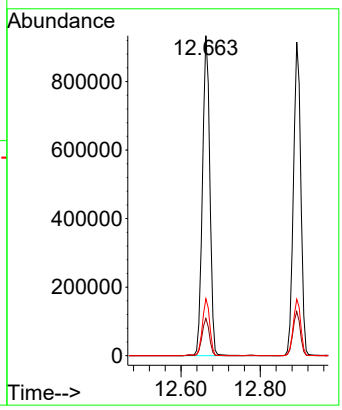


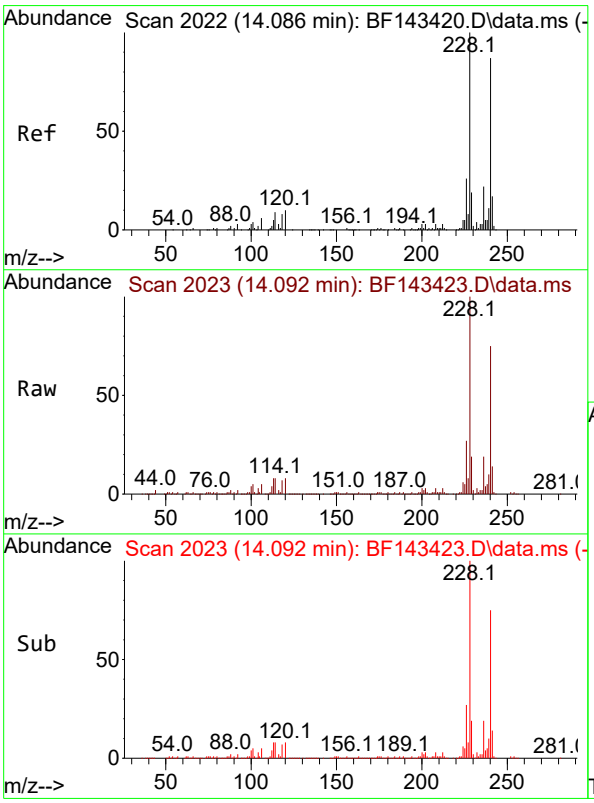
#75
Fluoranthene
Concen: 67.060 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1207144

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
203	17.8	0.0	37.5

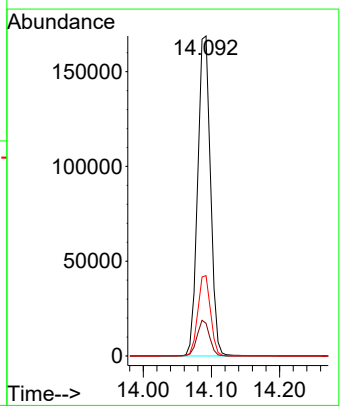


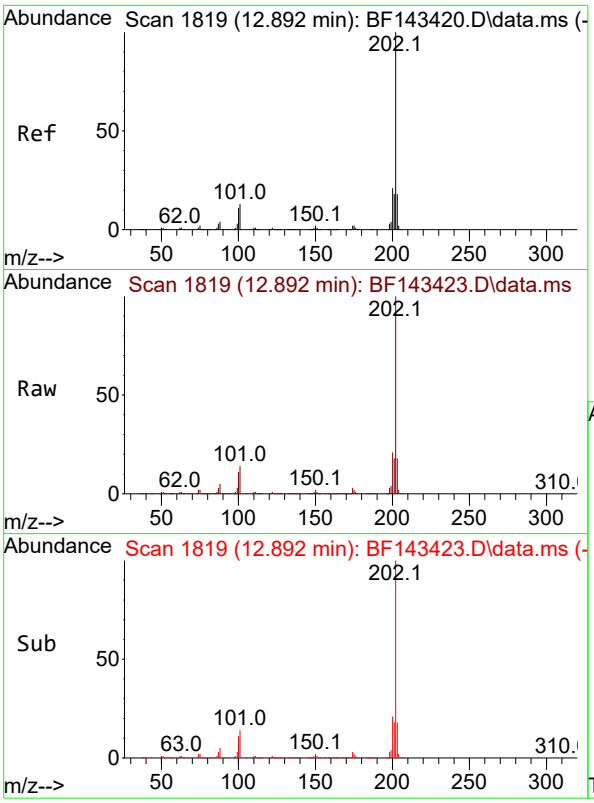


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:240 Resp: 220524

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.0	13.4
236	25.1	20.2	30.2



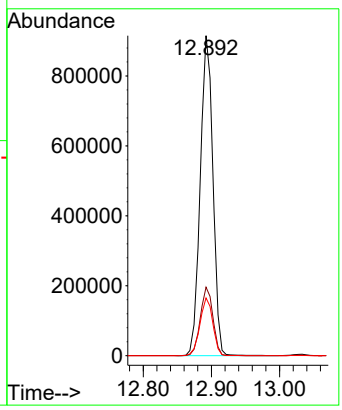


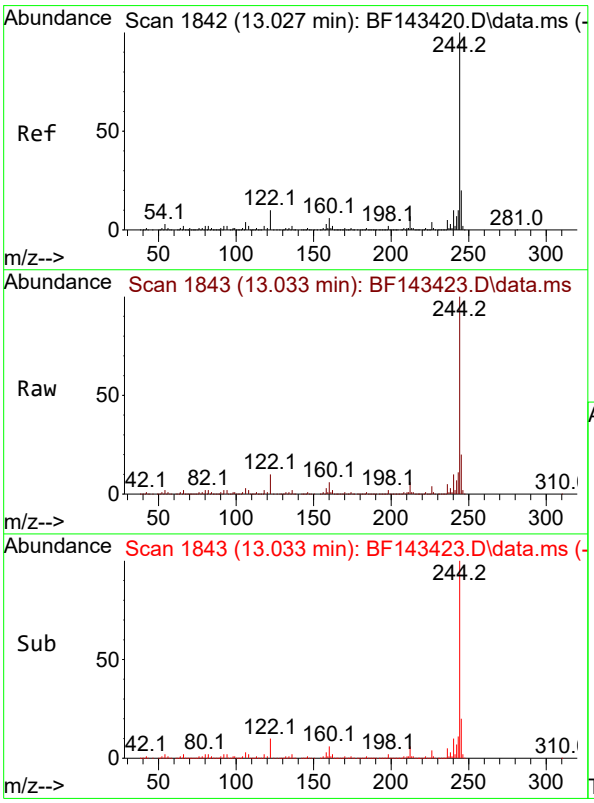
#78
Pyrene
Concen: 61.635 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1181381

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	18.0	14.2	21.2

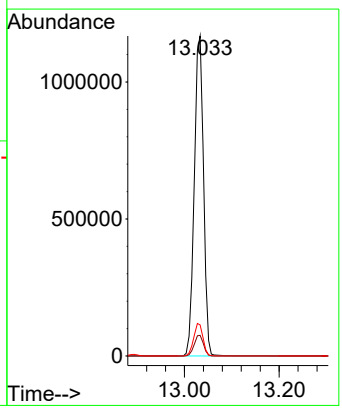


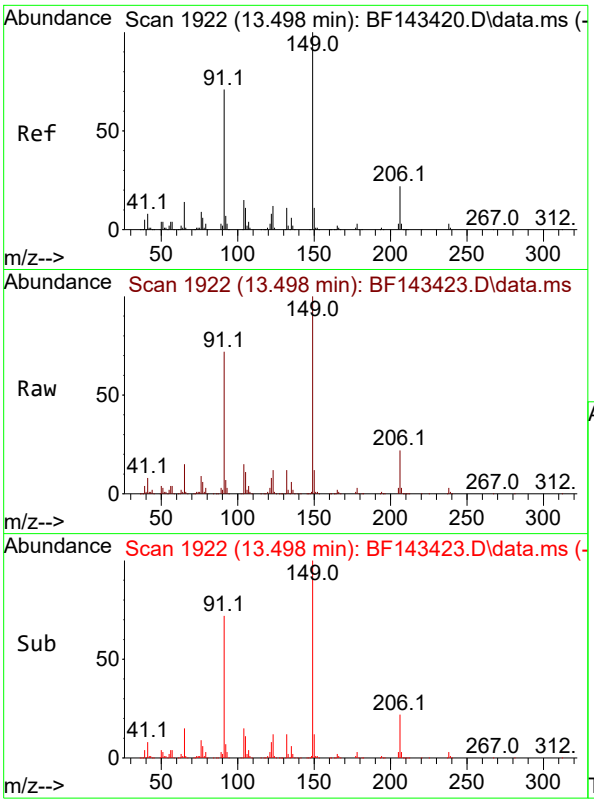


#79
Terphenyl-d14
Concen: 120.873 ng
RT: 13.033 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:244 Resp: 1586760

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.7	8.3	12.5



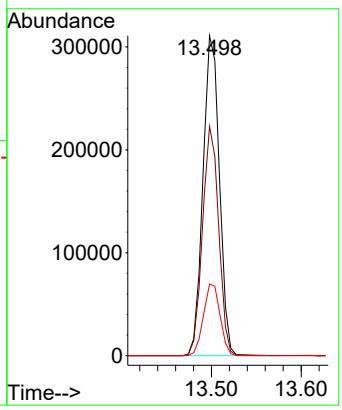


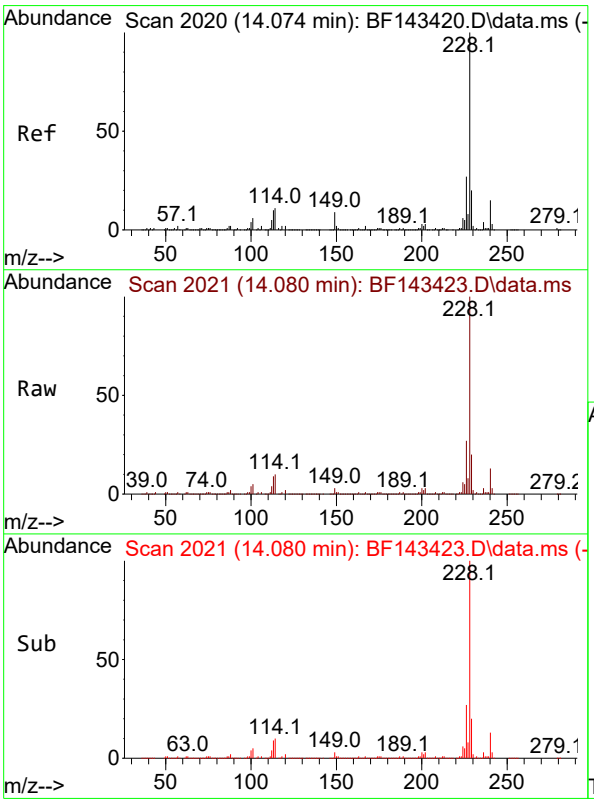
#80
Butylbenzylphthalate
Concen: 83.201 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 394998

Ion	Ratio	Lower	Upper
149	100		
91	71.6	57.0	85.4
206	22.4	17.6	26.4

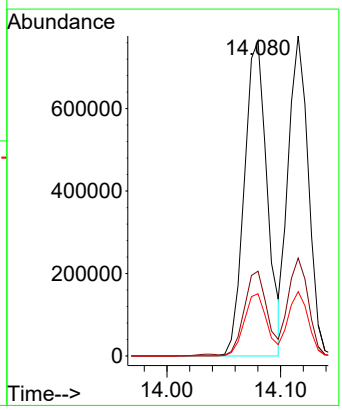


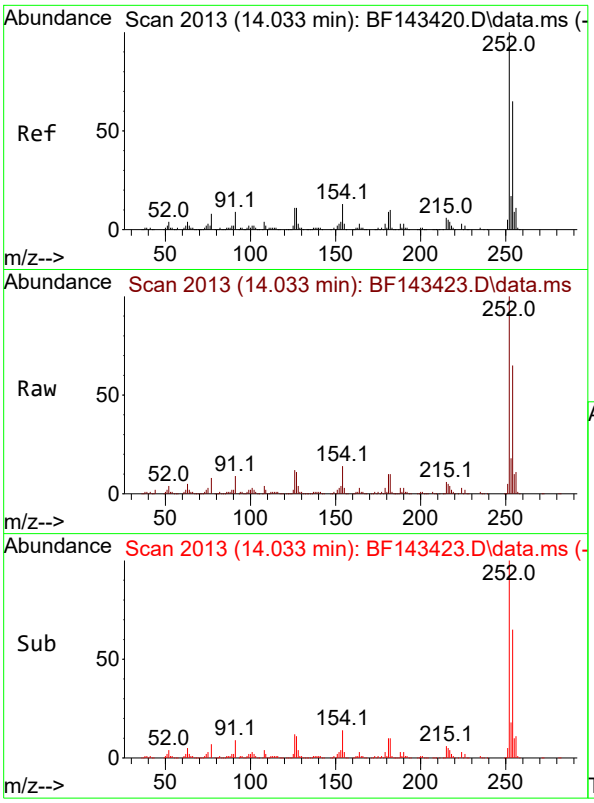


#81
Benzo(a)anthracene
Concen: 76.089 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:228 Resp: 1068277

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.7	15.7	23.5



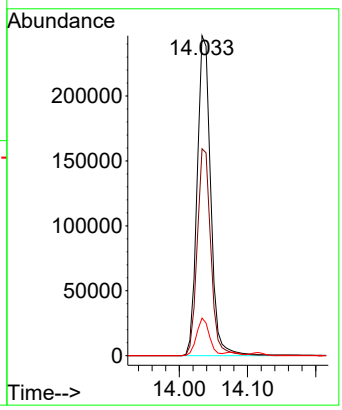


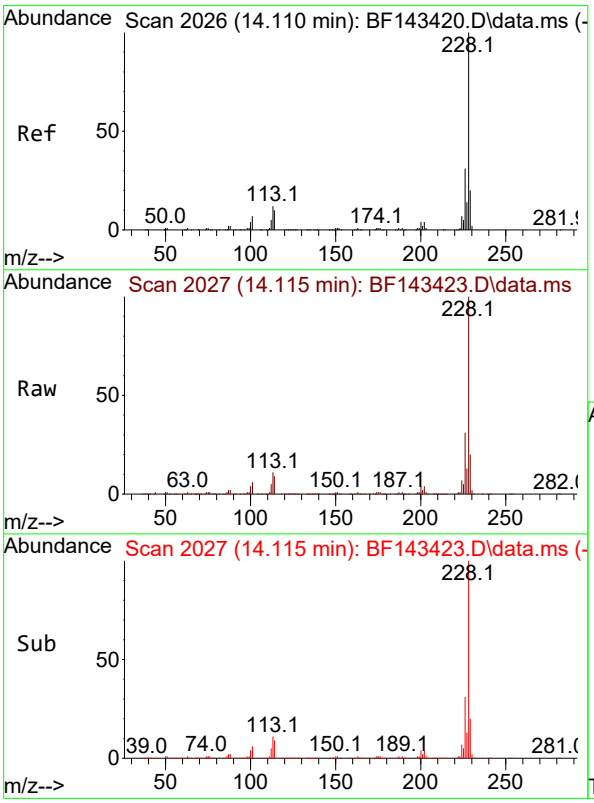
#82
3,3'-Dichlorobenzidine
Concen: 82.823 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 340456

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.6	77.4
126	11.7	8.8	13.2

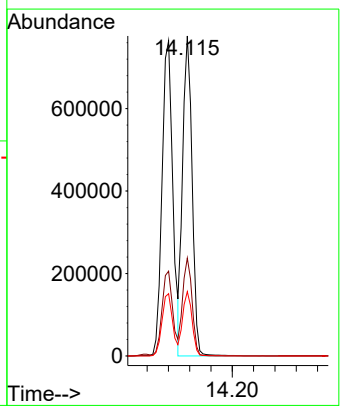


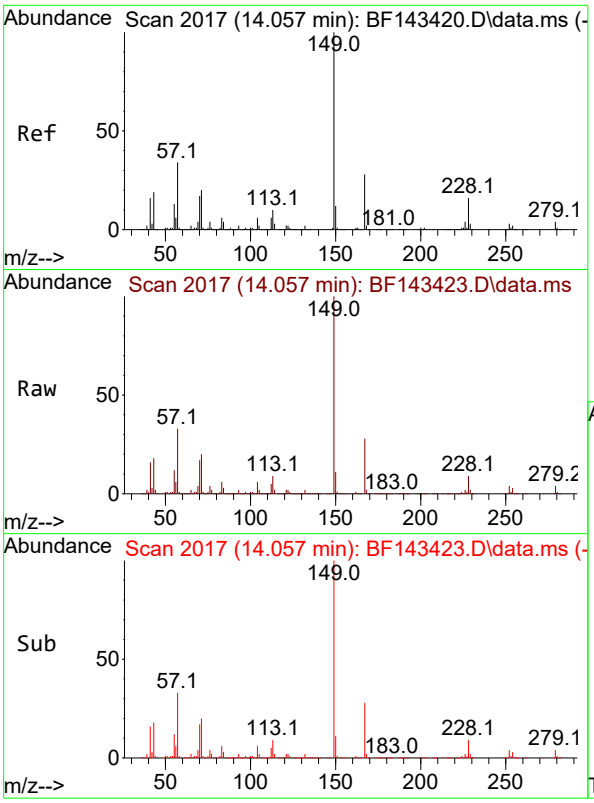


#83
Chrysene
Concen: 73.845 ng
RT: 14.115 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:228 Resp: 958475

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	20.1	16.1	24.1



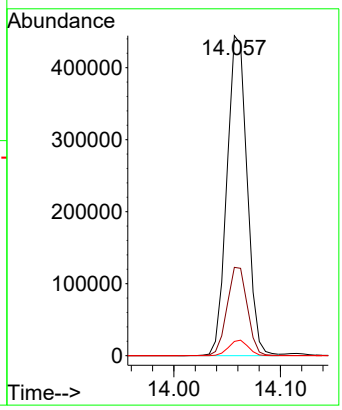


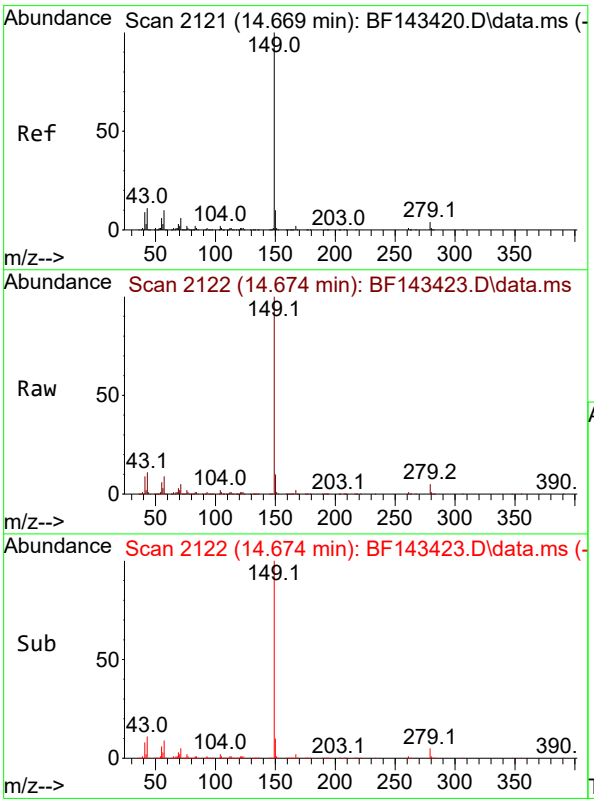
#84
Bis(2-ethylhexyl)phthalate
Concen: 86.658 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 584266

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.6	33.8
279	4.4	3.5	5.3

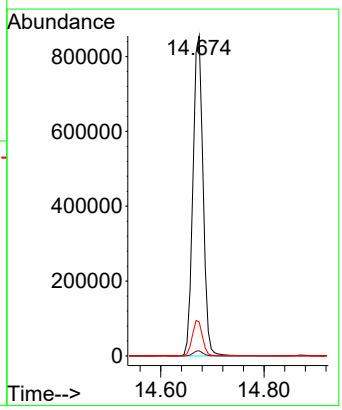


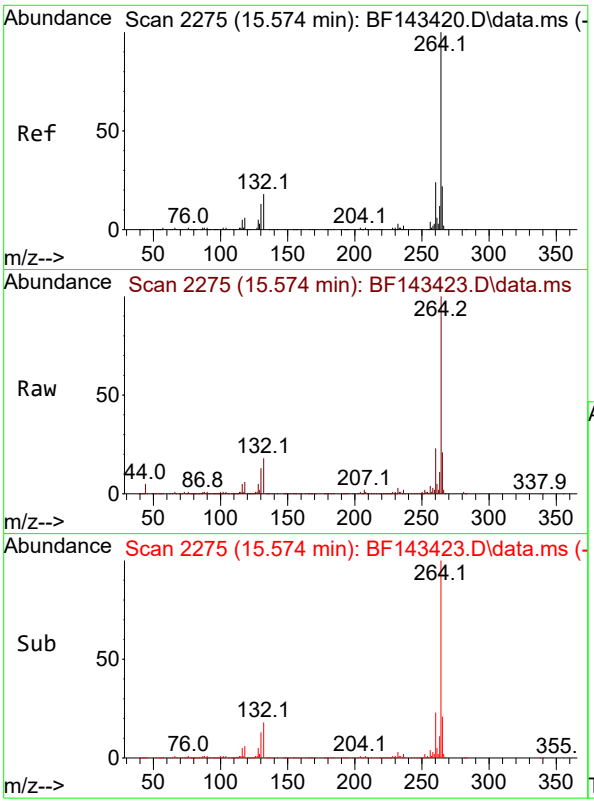


#85
Di-n-octyl phthalate
Concen: 84.996 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:149 Resp: 1162314

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.2	9.0	13.6



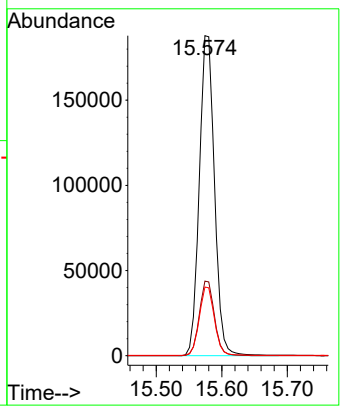


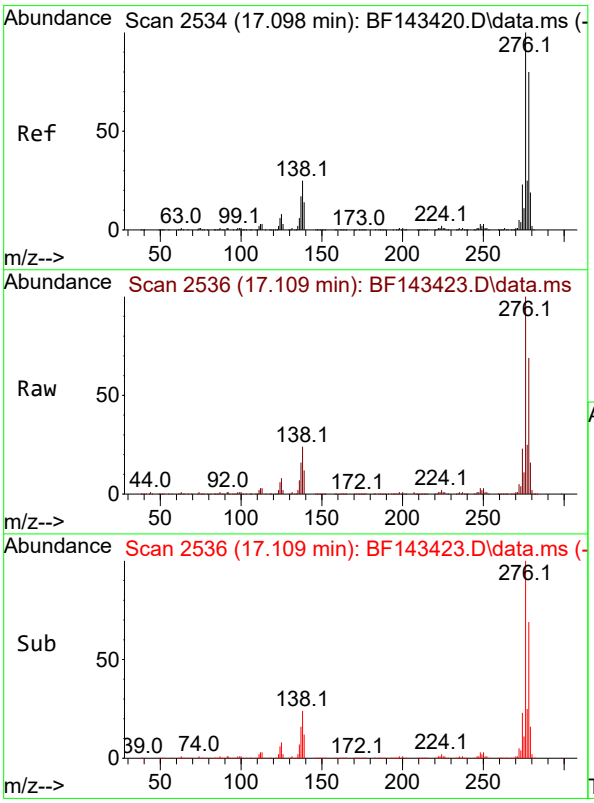
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 303217

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.5	17.4	26.0

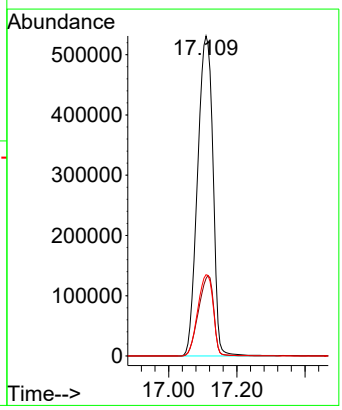


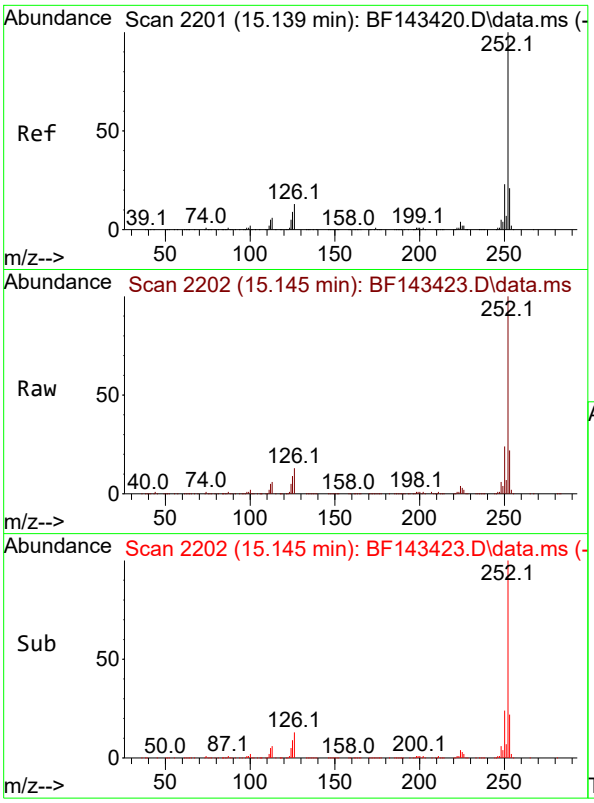


#87
Indeno(1,2,3-cd)pyrene
Concen: 73.282 ng
RT: 17.109 min Scan# 2536
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:276 Resp: 1666322

Ion	Ratio	Lower	Upper
276	100		
138	24.7	20.2	30.4
277	25.5	20.2	30.2



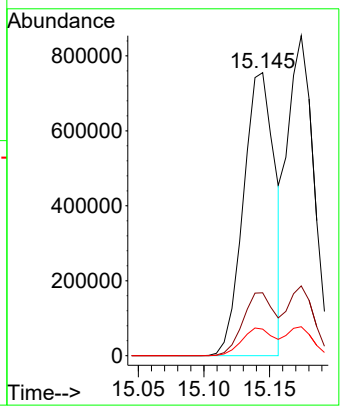


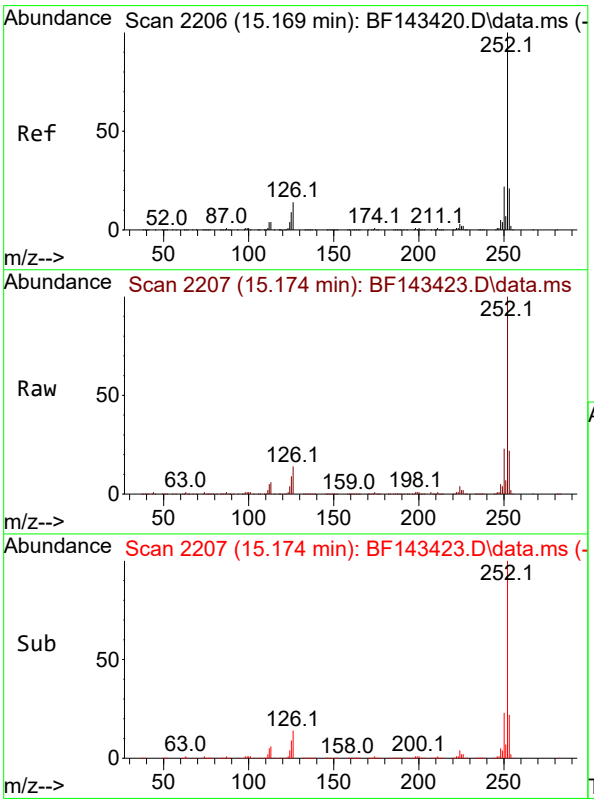
#88
Benzo(b)fluoranthene
Concen: 77.348 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1257001

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.4	7.5	11.3

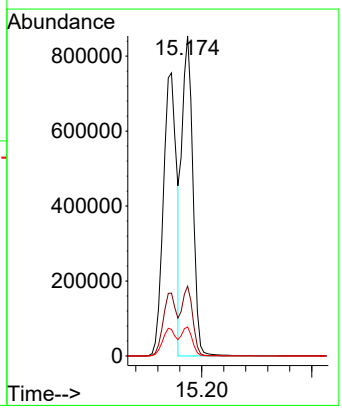


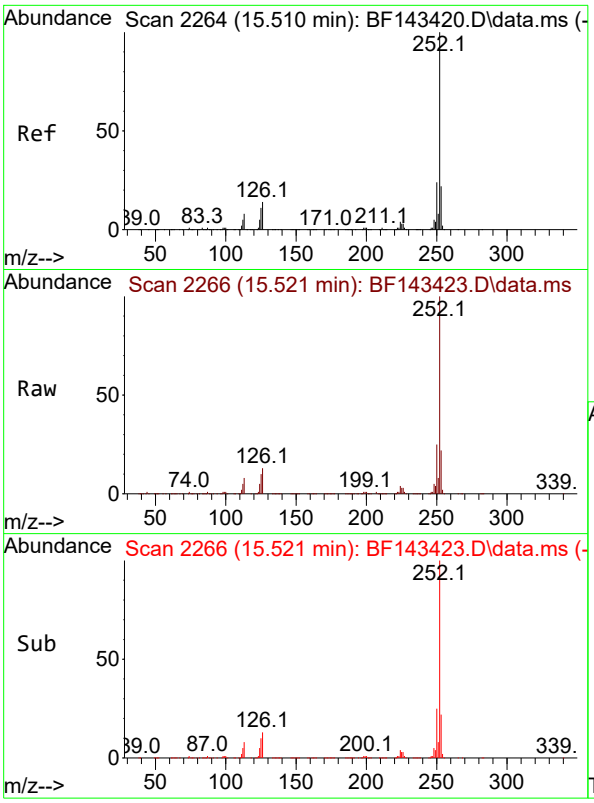


#89
Benzo(k)fluoranthene
Concen: 73.992 ng
RT: 15.174 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:252 Resp: 1186018

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	9.0	7.4	11.2



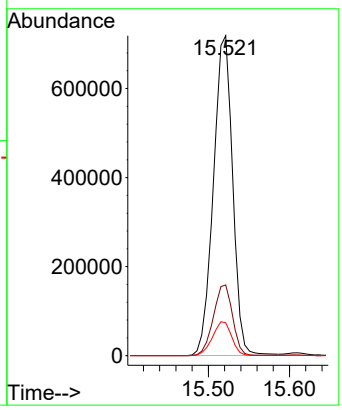


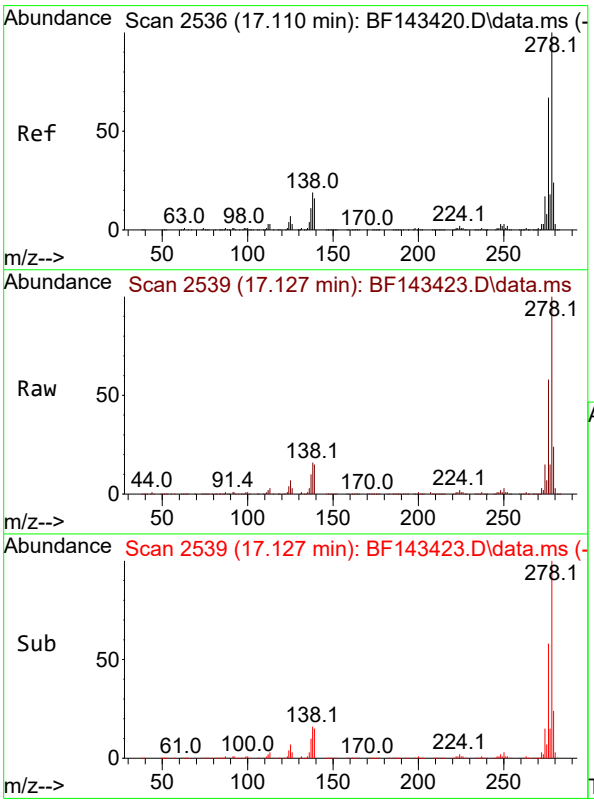
#90
Benzo(a)pyrene
Concen: 76.483 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1183837

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.3	8.6	12.8

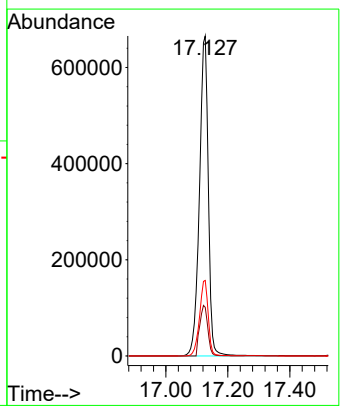


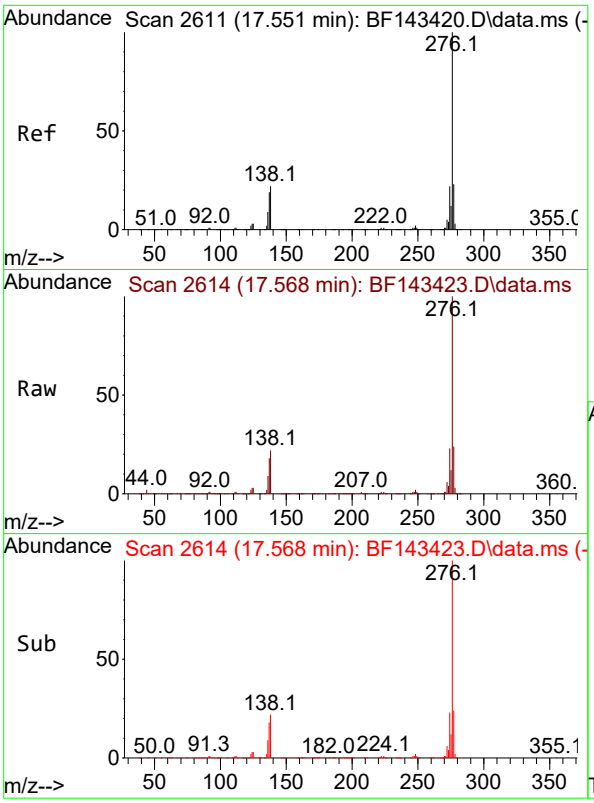


#91
Dibenzo(a,h)anthracene
Concen: 72.757 ng
RT: 17.127 min Scan# 2539
Delta R.T. 0.017 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:278 Resp: 1328554

Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.9	19.3
279	23.6	19.0	28.4



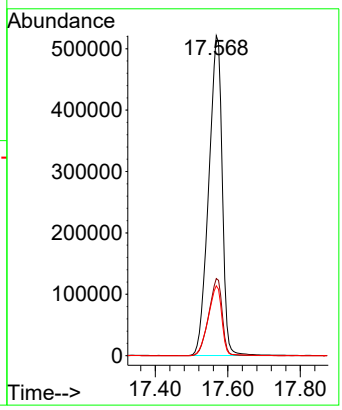


#92
Benzo(g,h,i)perylene
Concen: 73.842 ng
RT: 17.568 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1346979

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	21.9	17.5	26.3



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	125639	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	491006	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	272709	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	440330	20.000	ng	0.00
76) Chrysene-d12	14.086	240	224321	20.000	ng	0.00
86) Perylene-d12	15.574	264	261605	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	580235	80.281	ng	0.00
7) Phenol-d6	6.557	99	720369	79.088	ng	0.00
23) Nitrobenzene-d5	7.487	82	674421	81.505	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	202301	83.344	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1240954	76.538	ng	0.00
79) Terphenyl-d14	13.027	244	1146442	85.853	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.716	88	137973	39.659	ng	99
3) Pyridine	3.499	79	372858	40.863	ng	99
4) n-Nitrosodimethylamine	3.440	42	171863	40.523	ng	100
6) Aniline	6.592	93	498492	40.314	ng	99
8) 2-Chlorophenol	6.716	128	319839	40.083	ng	99
9) Benzaldehyde	6.481	77	217414	44.869	ng	98
10) Phenol	6.575	94	430958	40.546	ng	99
11) bis(2-Chloroethyl)ether	6.657	93	317550	40.305	ng	100
12) 1,3-Dichlorobenzene	6.869	146	355050	39.722	ng	99
13) 1,4-Dichlorobenzene	6.945	146	353824	39.650	ng	99
14) 1,2-Dichlorobenzene	7.098	146	337631	39.612	ng	100
15) Benzyl Alcohol	7.069	79	276064	41.098	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	537541	39.909	ng	100
17) 2-Methylphenol	7.181	107	263479	40.471	ng	99
18) Hexachloroethane	7.439	117	122314	40.268	ng	98
19) n-Nitroso-di-n-propyla...	7.339	70	222462	39.451	ng	97
20) 3+4-Methylphenols	7.334	107	317327	40.773	ng	100
22) Acetophenone	7.334	105	409319	38.772	ng	100
24) Nitrobenzene	7.504	77	353900	40.922	ng	100
25) Isophorone	7.745	82	634395	40.058	ng	100
26) 2-Nitrophenol	7.822	139	171500	42.777	ng	99
27) 2,4-Dimethylphenol	7.863	122	268492	39.609	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	387437	39.801	ng	99
29) 2,4-Dichlorophenol	8.069	162	278935	40.367	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	277133	39.142	ng	100
31) Naphthalene	8.234	128	917858	39.375	ng	100
32) Benzoic acid	7.975	122	145960	41.403	ng	97
33) 4-Chloroaniline	8.275	127	341869	40.630	ng	99
34) Hexachlorobutadiene	8.351	225	177092	39.224	ng	97
35) Caprolactam	8.645	113	84212	42.330	ng	99
36) 4-Chloro-3-methylphenol	8.757	107	291765	40.997	ng	98
37) 2-Methylnaphthalene	8.922	142	615873	39.196	ng	100
38) 1-Methylnaphthalene	9.022	142	596492	39.623	ng	99
40) 1,2,4,5-Tetrachloroben...	9.086	216	297713	39.145	ng	99
41) Hexachlorocyclopentadiene	9.081	237	102238	40.416	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	193444	40.774	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	210061	41.305	ng	99
46) 1,1'-Biphenyl	9.386	154	748830	39.081	ng	99
47) 2-Chloronaphthalene	9.410	162	590752	39.058	ng	99
48) 2-Nitroaniline	9.504	65	189676	42.141	ng	97
49) Acenaphthylene	9.822	152	866445	39.677	ng	100
50) Dimethylphthalate	9.675	163	686793	40.394	ng	100
51) 2,6-Dinitrotoluene	9.739	165	146942	43.842	ng	98
52) Acenaphthene	9.998	154	589195	40.115	ng	100
53) 3-Nitroaniline	9.910	138	160770	43.062	ng	99
54) 2,4-Dinitrophenol	10.022	184	60785	41.967	ng	97
55) Dibenzofuran	10.169	168	827034	39.033	ng	99
56) 4-Nitrophenol	10.075	139	104368	44.464	ng	98
57) 2,4-Dinitrotoluene	10.145	165	198343	44.386	ng	100
58) Fluorene	10.510	166	635952	39.070	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	167166	43.424	ng	99
60) Diethylphthalate	10.380	149	636541	40.514	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	318141	39.533	ng	100
62) 4-Nitroaniline	10.522	138	152248	43.604	ng	97
63) Azobenzene	10.663	77	637467	40.143	ng	100
65) 4,6-Dinitro-2-methylph...	10.557	198	104008	45.779	ng	99
66) n-Nitrosodiphenylamine	10.616	169	554575	38.734	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	205635	39.547	ng	99
68) Hexachlorobenzene	11.063	284	215158	38.923	ng	99
69) Atrazine	11.139	200	177396	42.361	ng	99
70) Pentachlorophenol	11.257	266	105712	43.486	ng	99
71) Phenanthrene	11.474	178	919627	38.568	ng	100
72) Anthracene	11.527	178	937696	38.935	ng	100
73) Carbazole	11.674	167	804170	39.480	ng	100
74) Di-n-butylphthalate	12.004	149	859613	42.379	ng	100
75) Fluoranthene	12.663	202	842615	39.770	ng	100
77) Benzidine	12.774	184	301000	47.400	ng	100
78) Pyrene	12.892	202	845466	43.363	ng	99
80) Butylbenzylphthalate	13.498	149	216055	44.739	ng	100
81) Benzo(a)anthracene	14.074	228	569456	39.874	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	164709	39.390	ng	99
83) Chrysene	14.110	228	539626	40.872	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	282227	41.151	ng	99
85) Di-n-octyl phthalate	14.668	149	546335	39.276	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	810056	41.292	ng	100
88) Benzo(b)fluoranthene	15.139	252	561290	40.032	ng	99
89) Benzo(k)fluoranthene	15.168	252	556803	40.263	ng	100
90) Benzo(a)pyrene	15.510	252	536535	40.177	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	656933	41.699	ng	99
92) Benzo(g,h,i)perylene	17.551	276	652150	41.438	ng	99

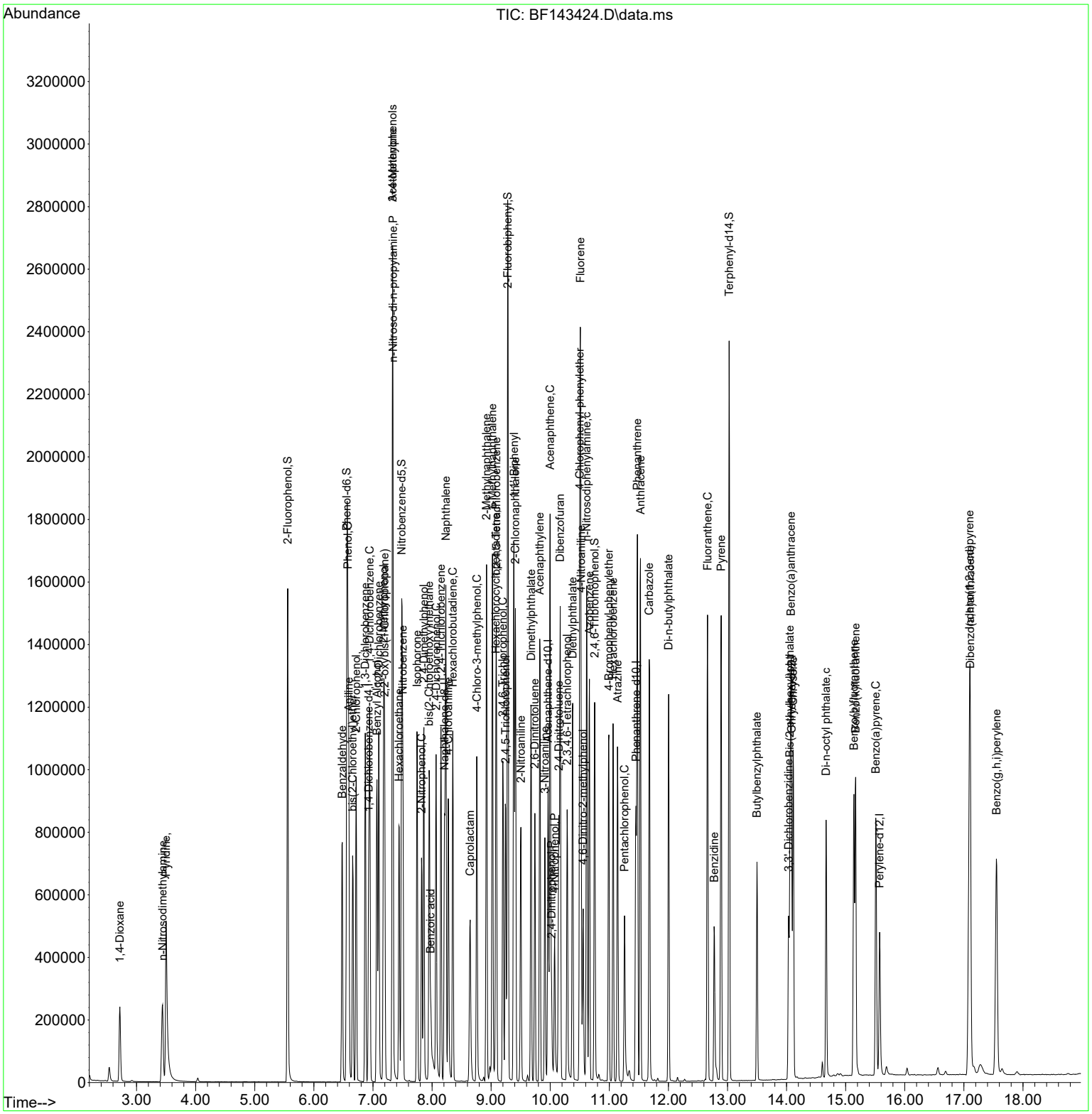
(#) = qualifier out of range (m) = manual integration (+) = signals summed

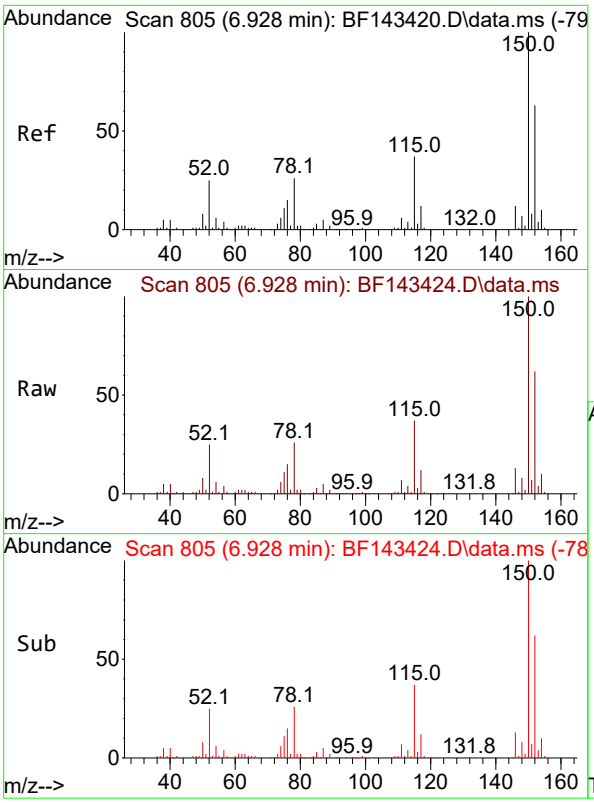
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration



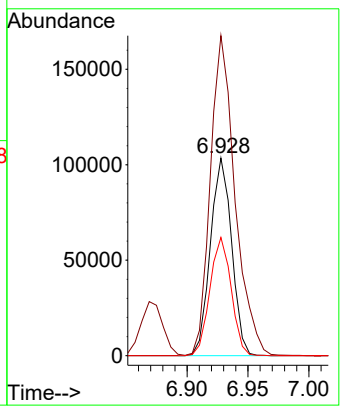


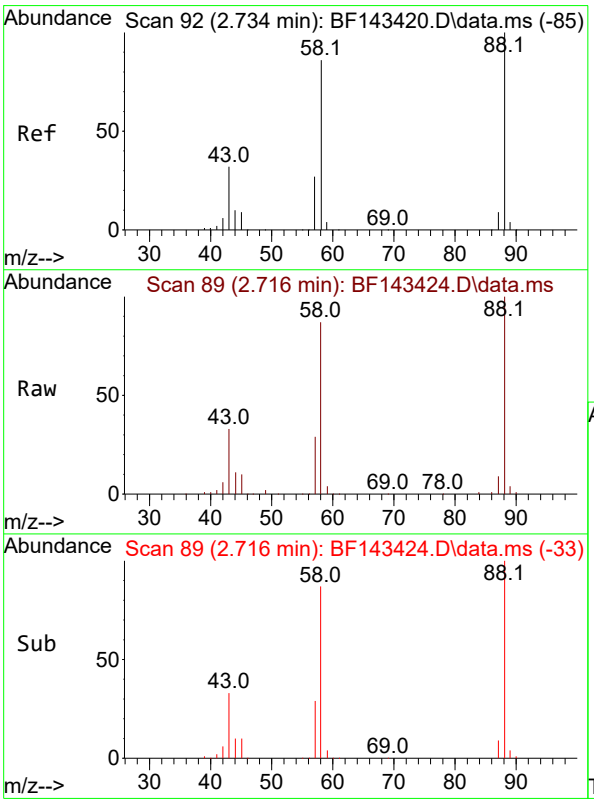
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:152 Resp: 125639

Ion	Ratio	Lower	Upper
152	100		
150	161.9	127.4	191.2
115	59.8	47.5	71.3

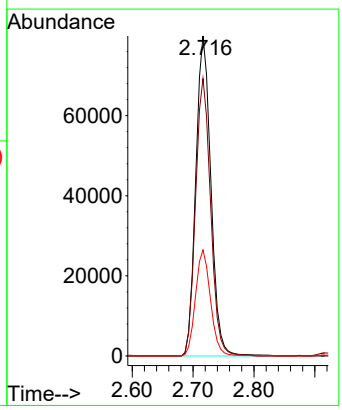


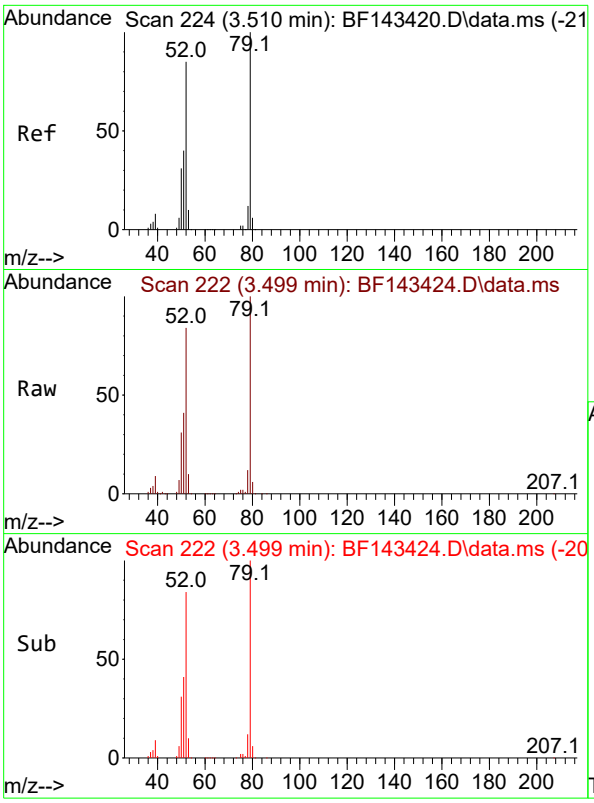


#2
1,4-Dioxane
Concen: 39.659 ng
RT: 2.716 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 88 Resp: 137973

Ion	Ratio	Lower	Upper
88	100		
58	86.4	68.7	103.1
43	32.9	26.1	39.1



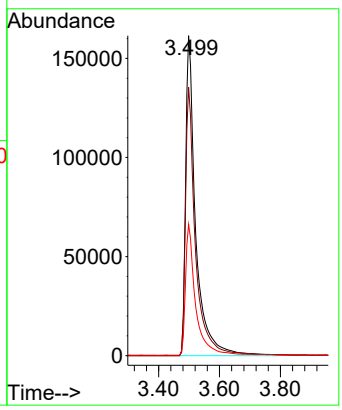


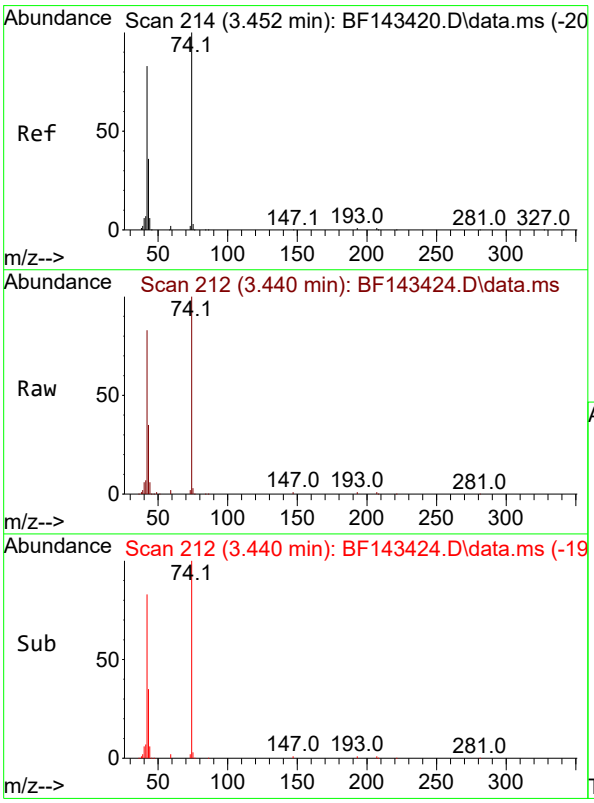
#3
Pyridine
Concen: 40.863 ng
RT: 3.499 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 79 Resp: 372858

Ion	Ratio	Lower	Upper
79	100		
52	83.9	67.7	101.5
51	41.0	32.3	48.5

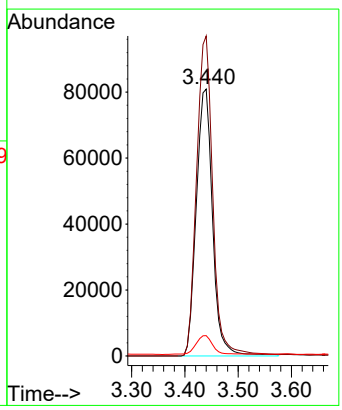


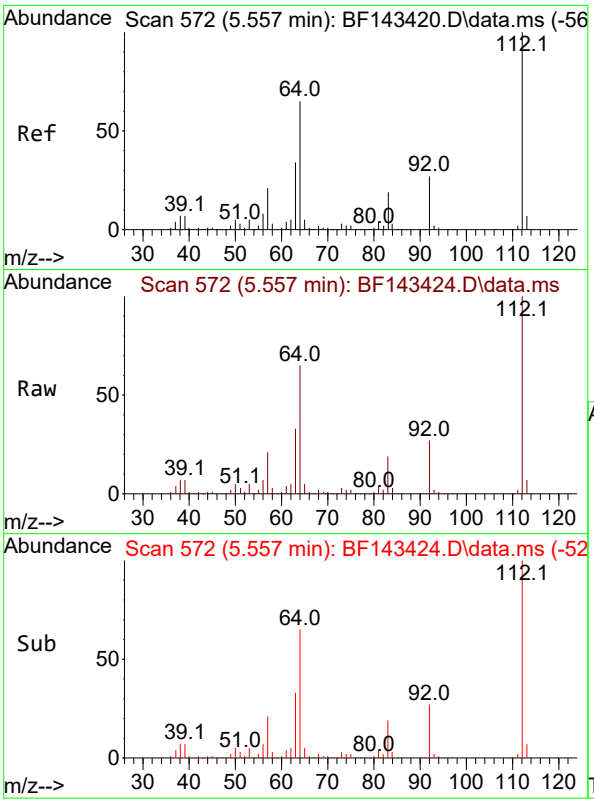


#4
n-Nitrosodimethylamine
Concen: 40.523 ng
RT: 3.440 min Scan# 212
Delta R.T. -0.012 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 42 Resp: 171863

Ion	Ratio	Lower	Upper
42	100		
74	119.9	96.2	144.4
44	7.6	5.9	8.9



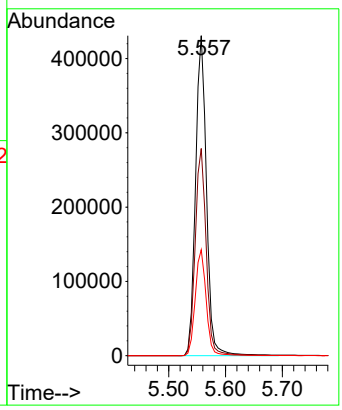


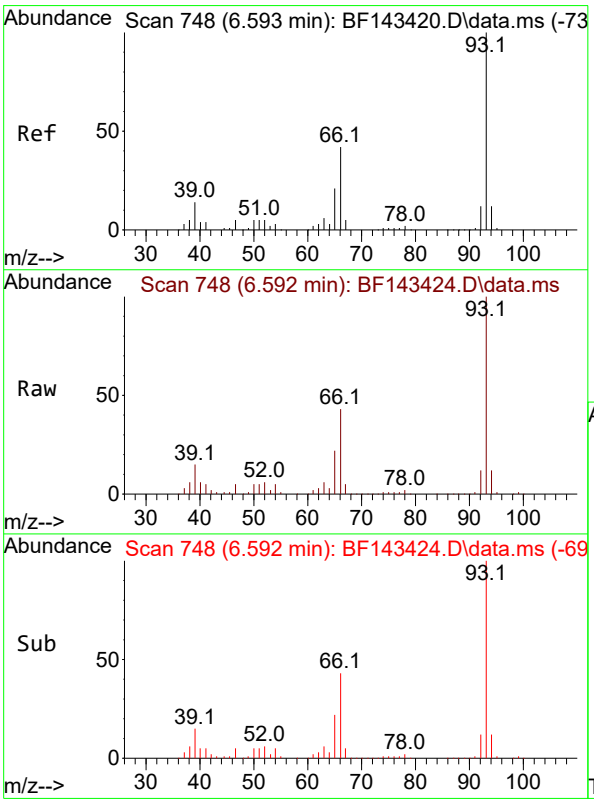
#5
2-Fluorophenol
Concen: 80.281 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:112 Resp: 580235

Ion	Ratio	Lower	Upper
112	100		
64	64.8	52.2	78.2
63	33.1	27.0	40.6

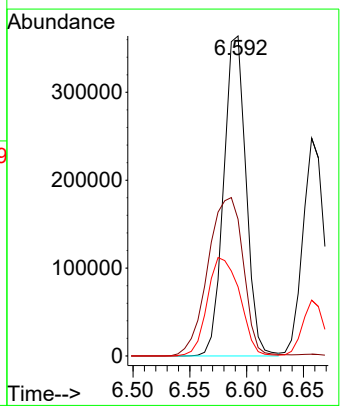


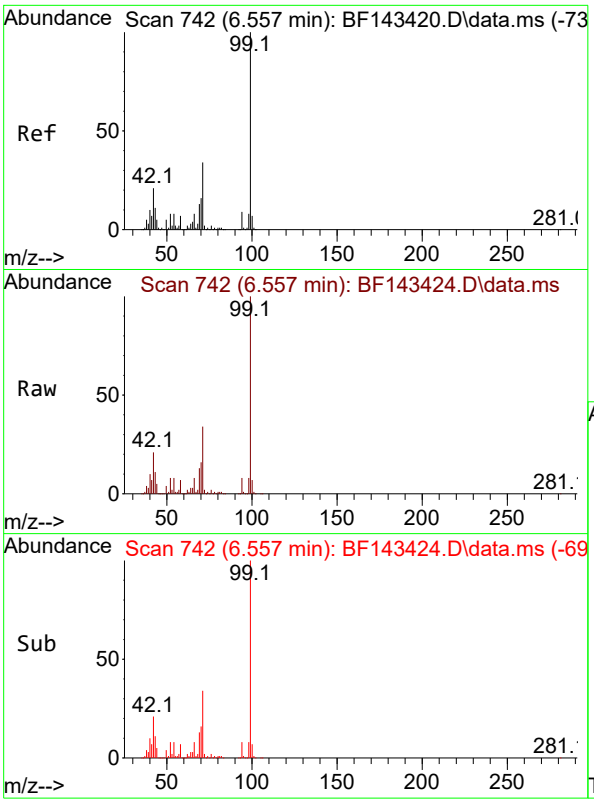


#6
Aniline
Concen: 40.314 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 93 Resp: 498492

Ion	Ratio	Lower	Upper
93	100		
66	42.7	33.8	50.8
65	21.6	17.2	25.8



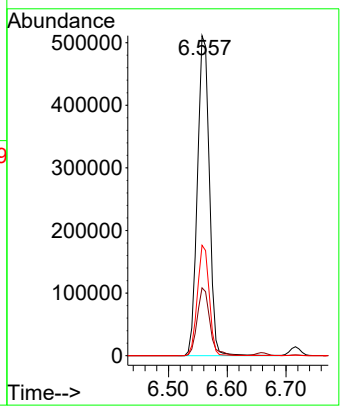


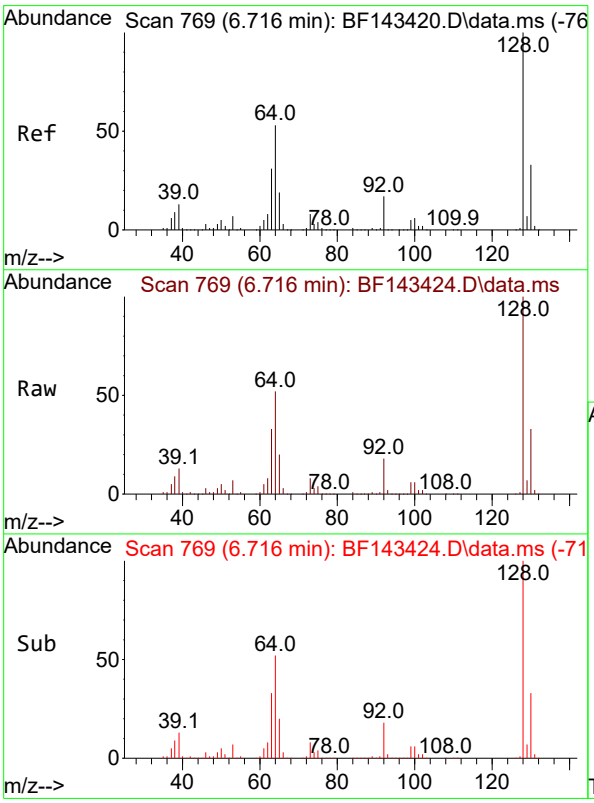
#7
Phenol-d6
Concen: 79.088 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 99 Resp: 720369

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.6
71	34.5	27.4	41.2

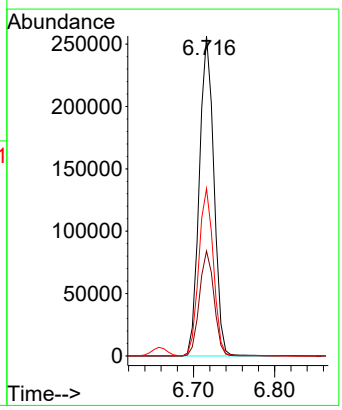


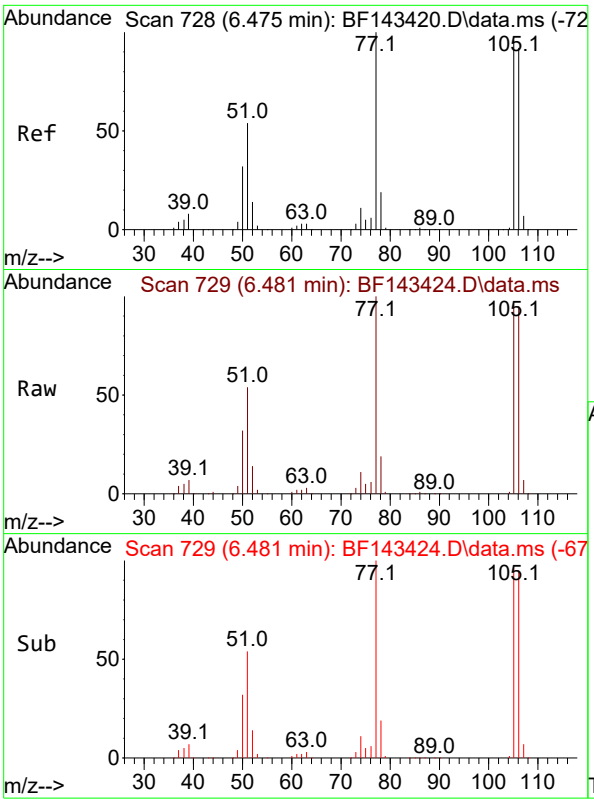


#8
2-Chlorophenol
Concen: 40.083 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:128 Resp: 319839

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.9	52.9
64	52.3	33.1	73.1



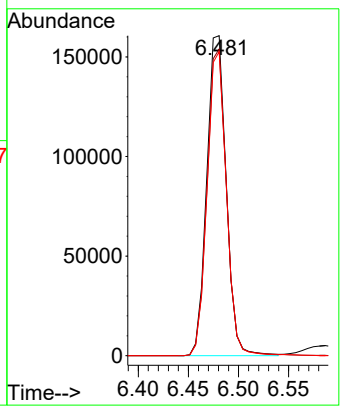


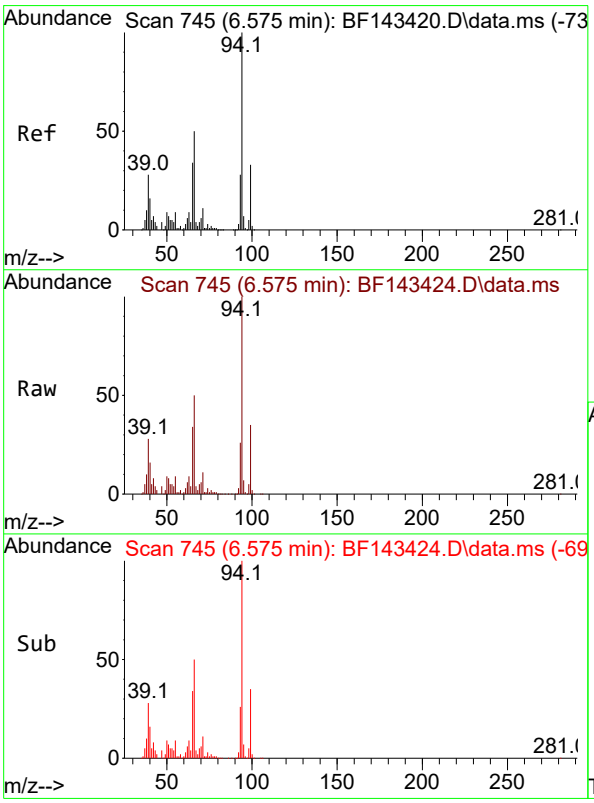
#9
Benzaldehyde
Concen: 44.869 ng
RT: 6.481 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 77 Resp: 217414

Ion	Ratio	Lower	Upper
77	100		
105	95.9	75.5	115.5
106	95.0	72.0	112.0

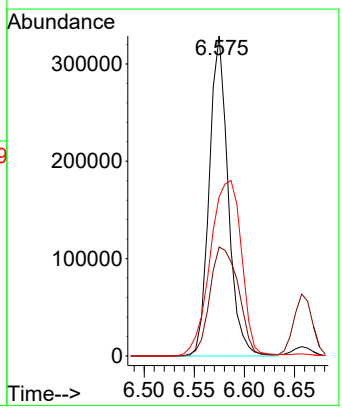


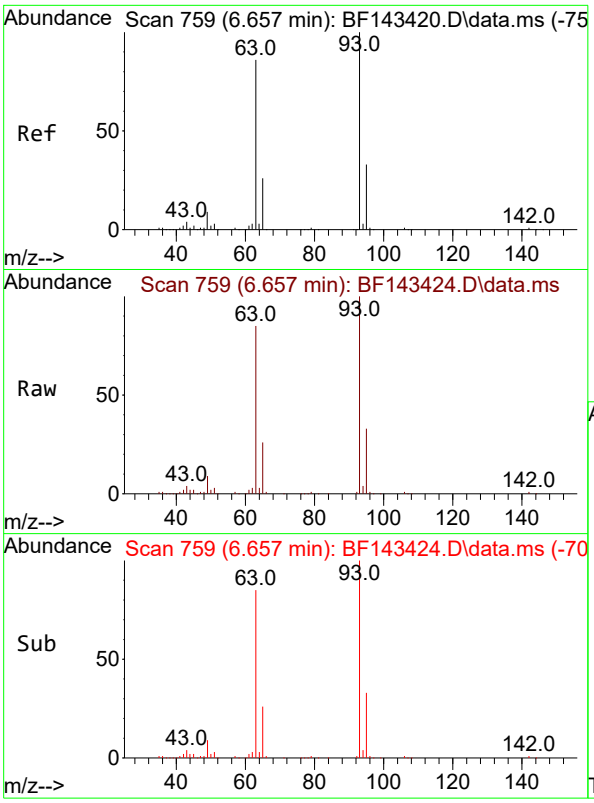


#10
Phenol
Concen: 40.546 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 94 Resp: 430958

Ion	Ratio	Lower	Upper
94	100		
65	34.1	13.7	53.7
66	49.8	30.3	70.3



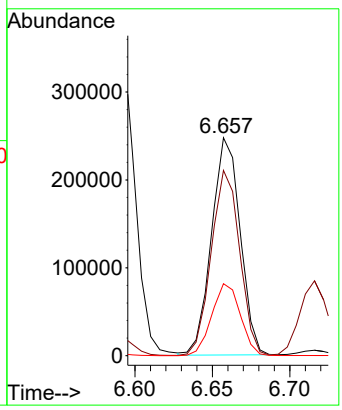


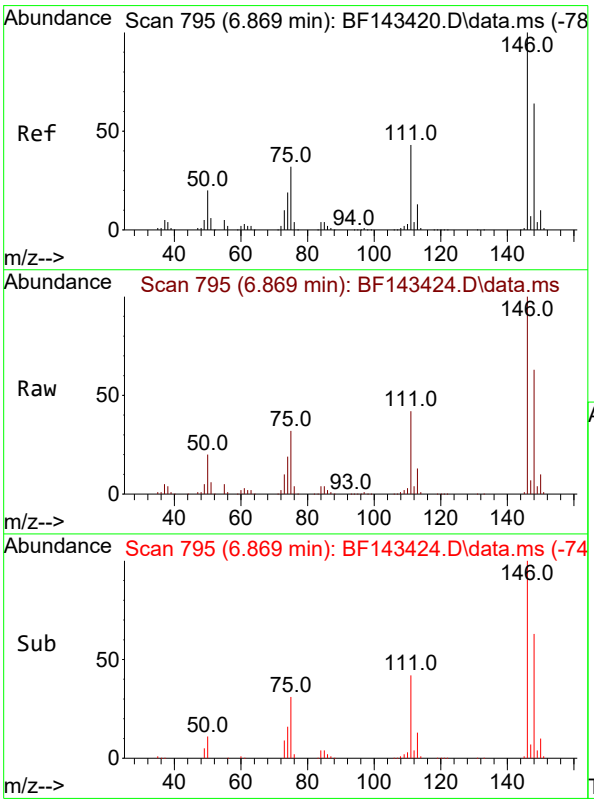
#11
bis(2-Chloroethyl)ether
Concen: 40.305 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 93 Resp: 317550

Ion	Ratio	Lower	Upper
93	100		
63	85.1	65.4	105.4
95	33.0	12.8	52.8

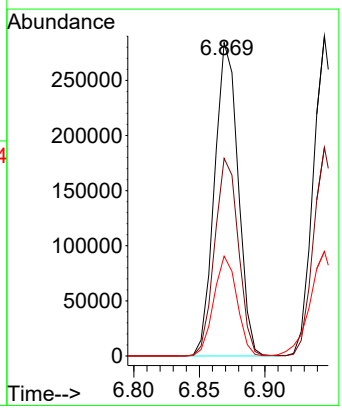


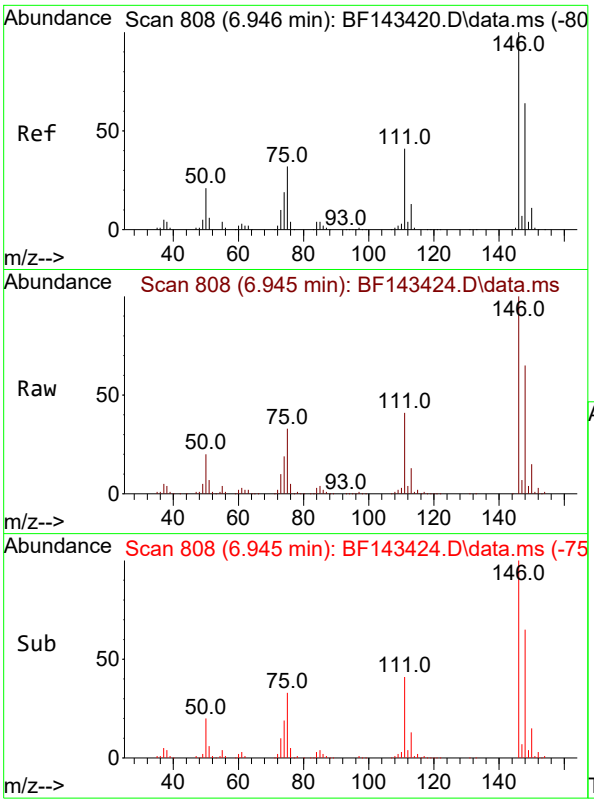


#12
1,3-Dichlorobenzene
Concen: 39.722 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:146 Resp: 355050

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.0	76.4
75	31.9	25.3	37.9



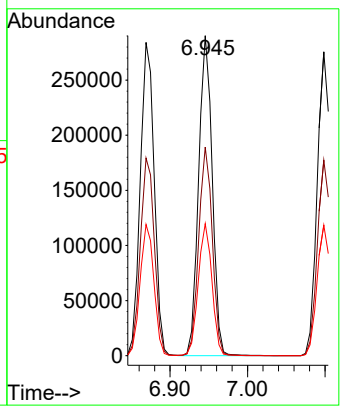


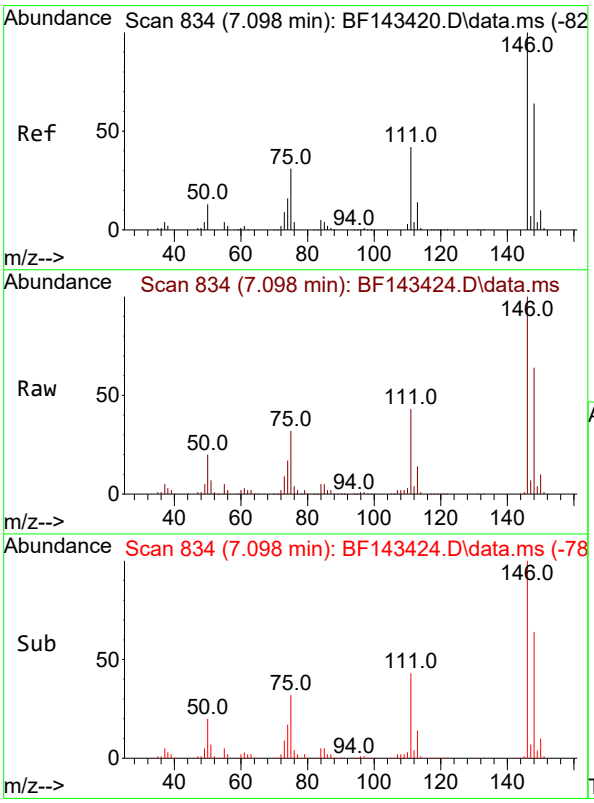
#13
1,4-Dichlorobenzene
Concen: 39.650 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:146 Resp: 353824

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.1	76.7
111	41.3	32.5	48.7

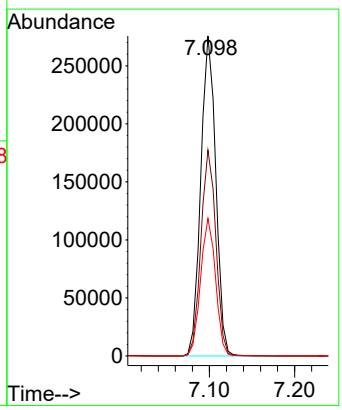


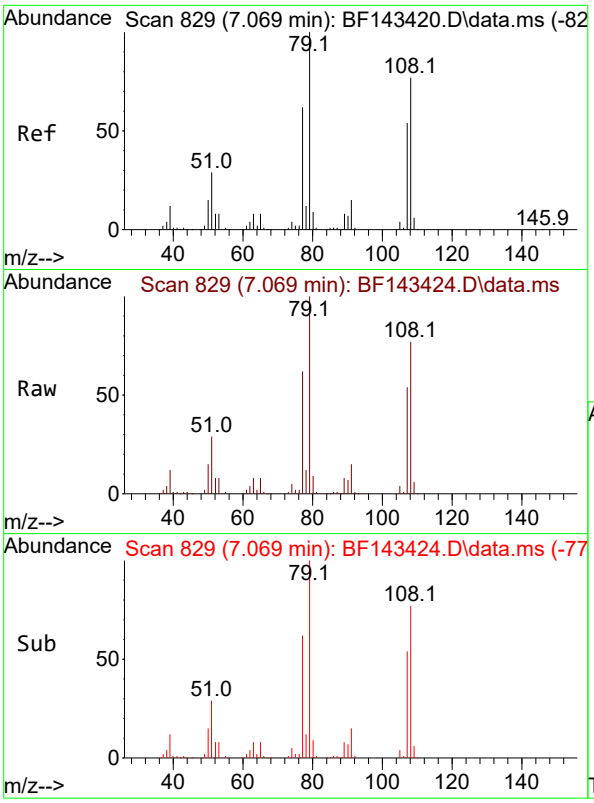


#14
1,2-Dichlorobenzene
Concen: 39.612 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:146 Resp: 337631

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
111	43.0	33.9	50.9



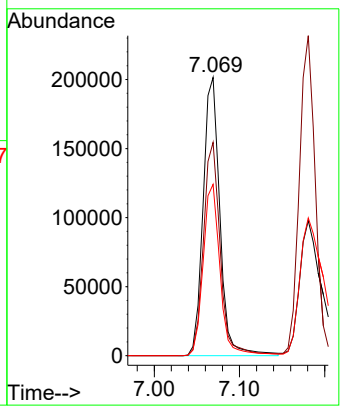


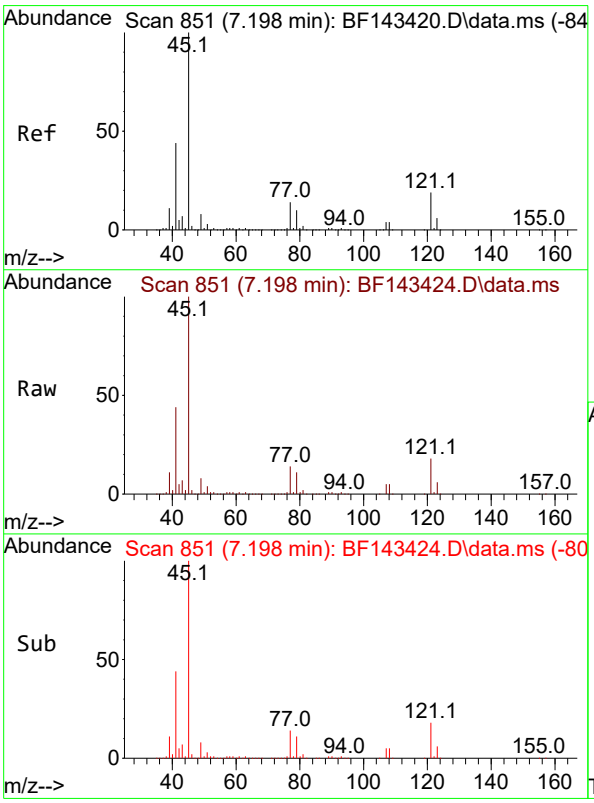
#15
Benzyl Alcohol
Concen: 41.098 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 79 Resp: 276064

Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.9	92.9
77	61.6	49.2	73.8

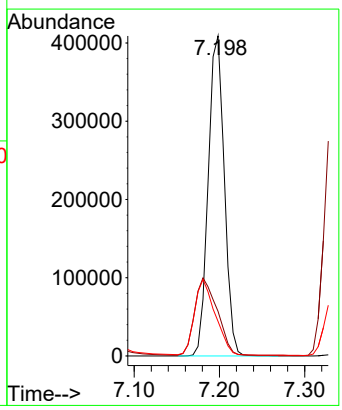


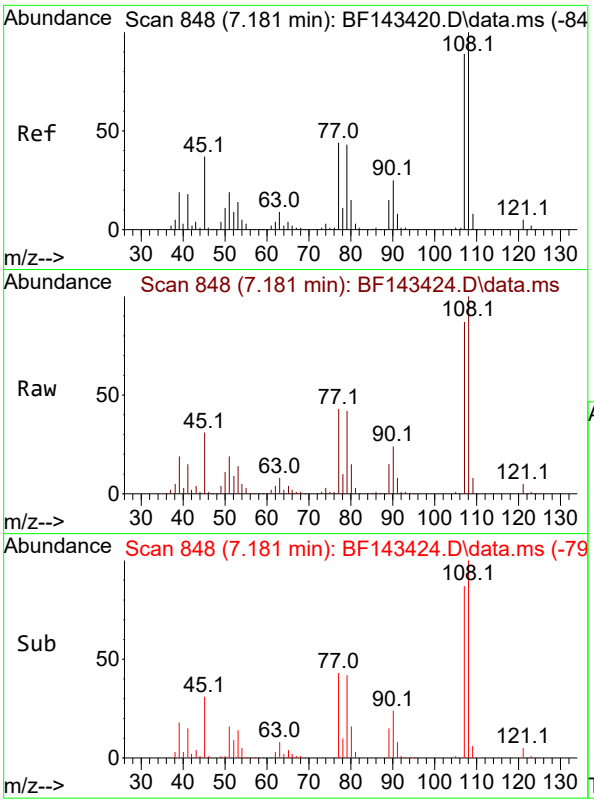


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.909 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 45 Resp: 537541

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.9
79	10.8	0.0	30.7



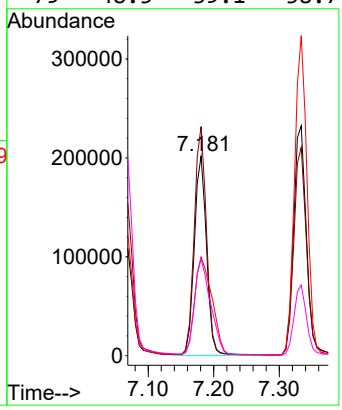


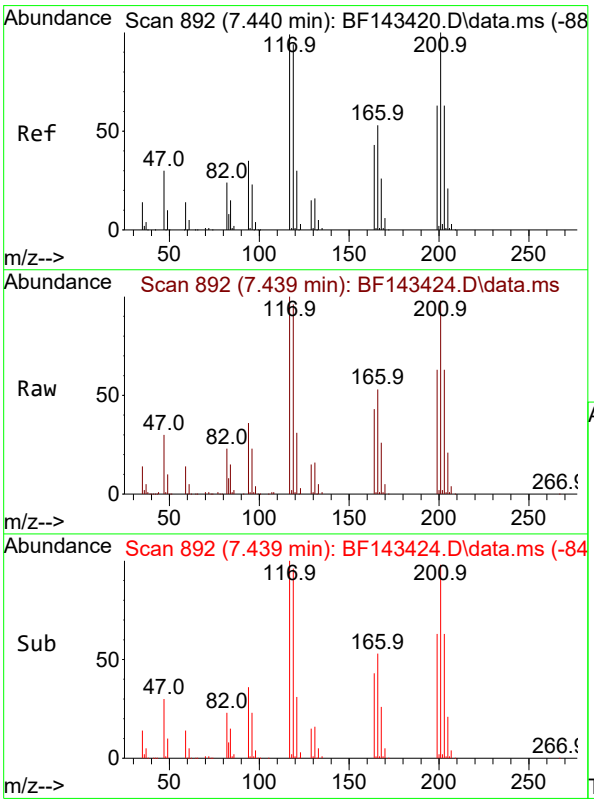
#17
2-Methylphenol
Concen: 40.471 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:107 Resp: 263479

Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.1	135.1
77	49.4	39.9	59.9
79	48.5	39.1	58.7

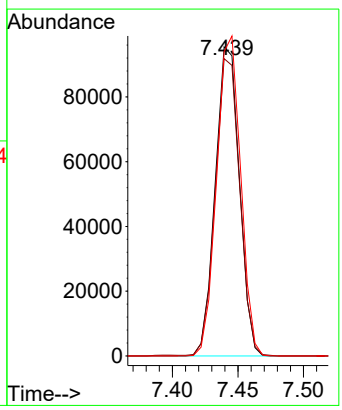


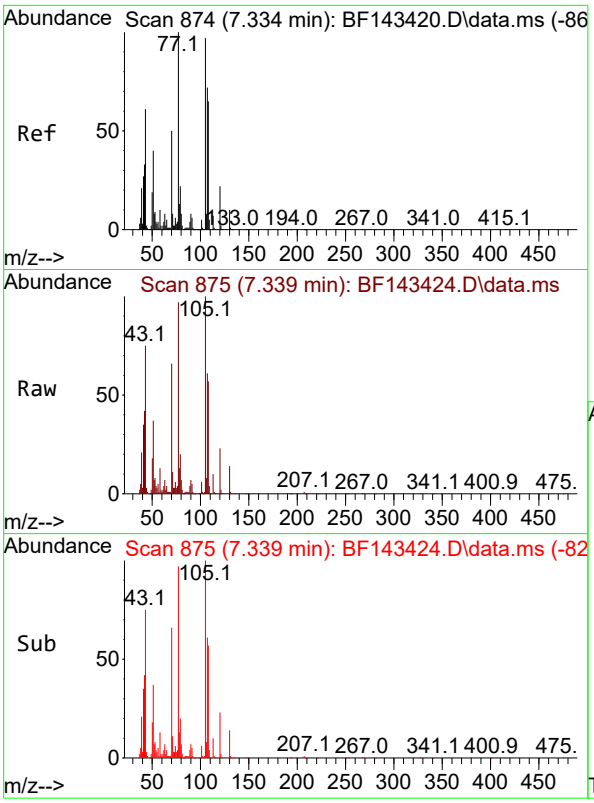


#18
Hexachloroethane
Concen: 40.268 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:117 Resp: 122314

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.6	114.8
201	98.4	81.0	121.4



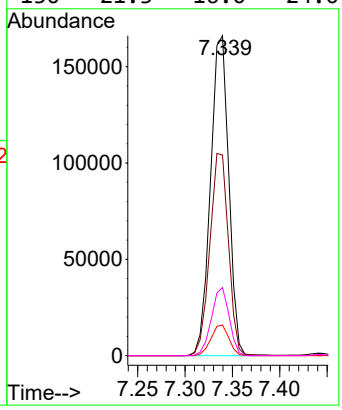


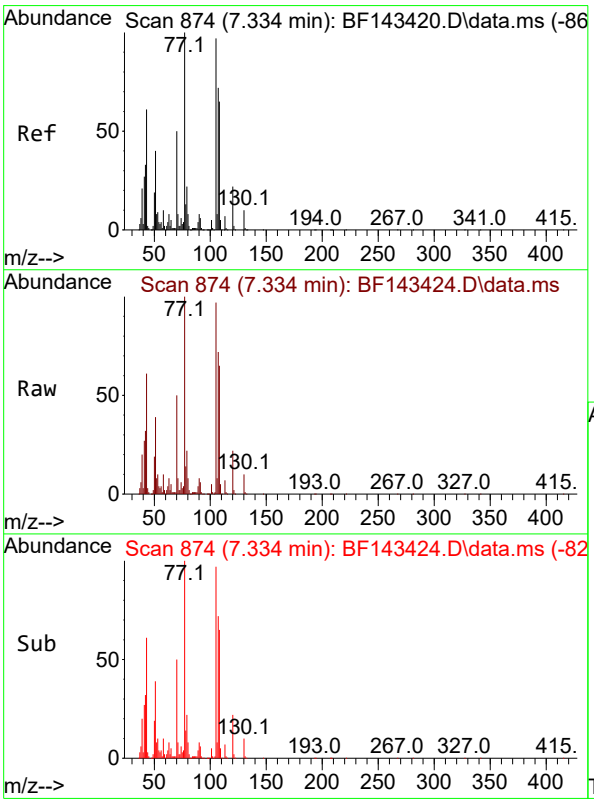
#19
n-Nitroso-di-n-propylamine
Concen: 39.451 ng
RT: 7.339 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 70 Resp: 222462

Ion	Ratio	Lower	Upper
70	100		
42	62.7	52.5	78.7
101	9.6	7.9	11.9
130	21.3	16.0	24.0

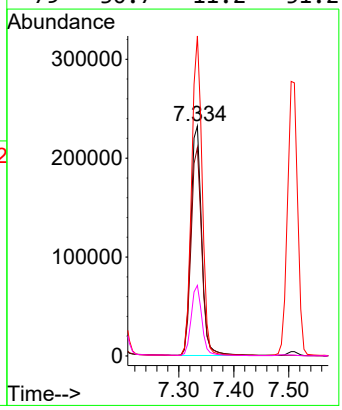


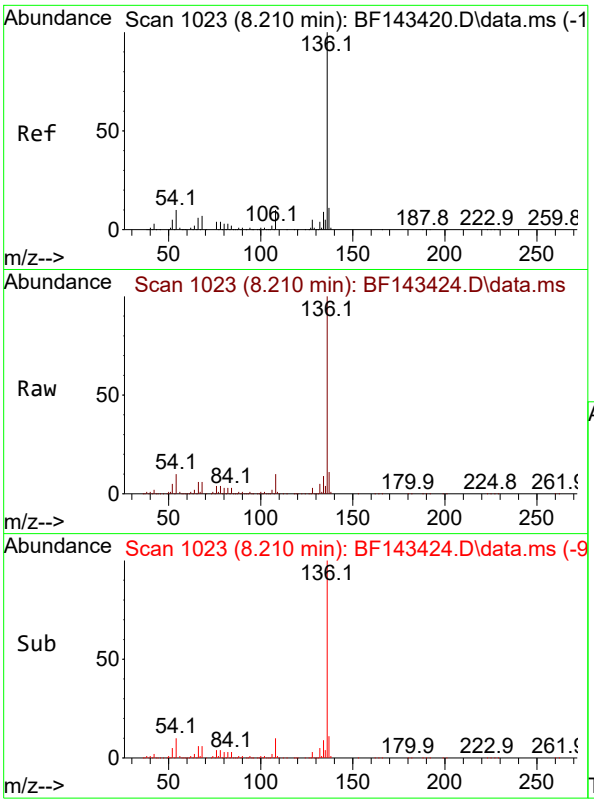


#20
3+4-Methylphenols
Concen: 40.773 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:107 Resp: 317327

Ion	Ratio	Lower	Upper
107	100		
108	90.6	70.8	110.8
77	139.1	119.1	159.1
79	30.7	11.2	51.2



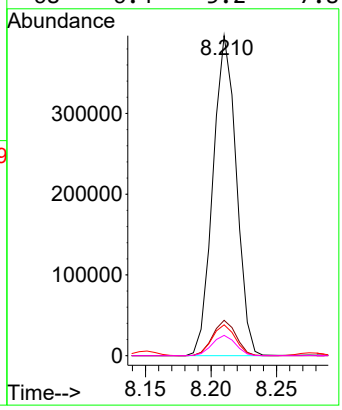


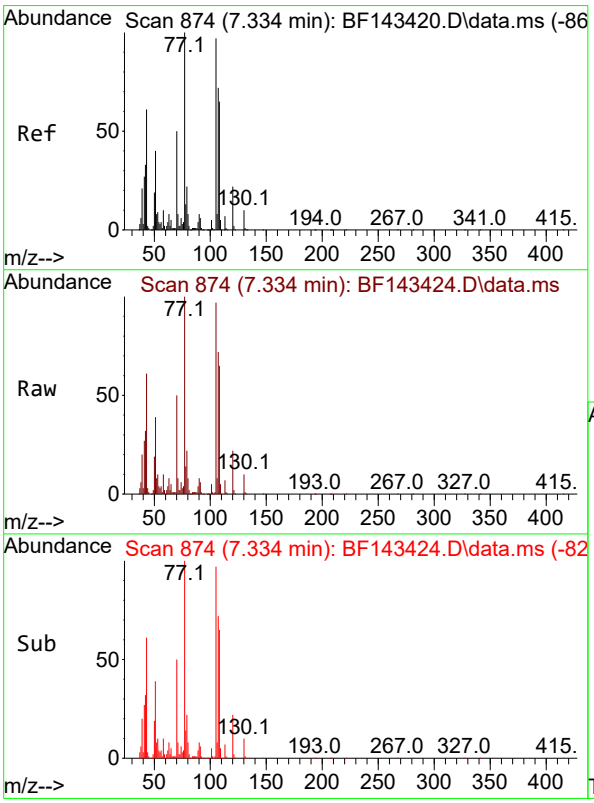
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:136 Resp: 491006

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	9.6	7.8	11.8
68	6.4	5.2	7.8

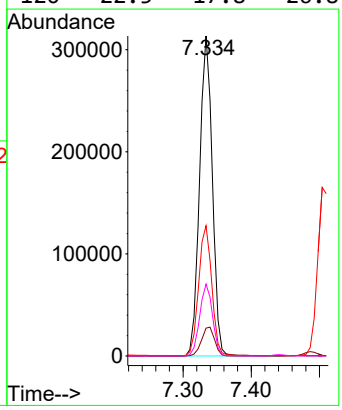


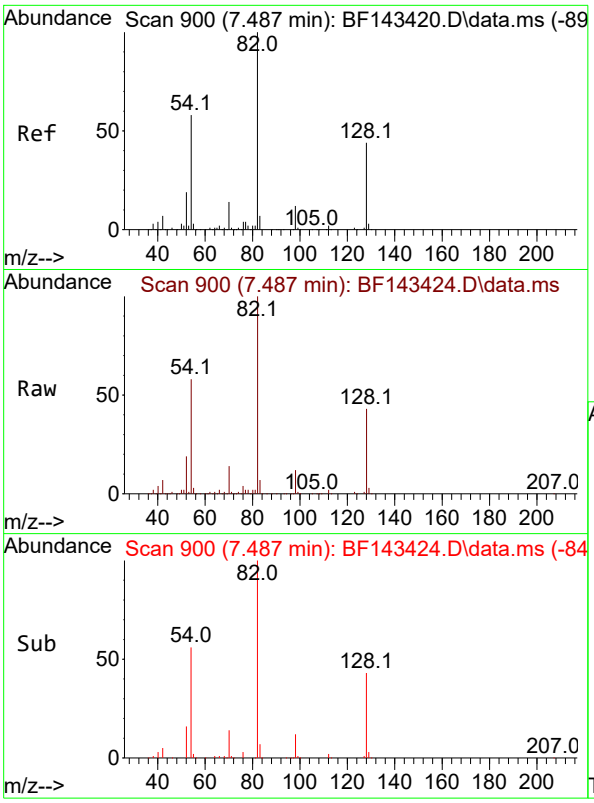


#22
Acetophenone
Concen: 38.772 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:105 Resp: 409319

Ion	Ratio	Lower	Upper
105	100		
71	8.7	7.0	10.4
51	40.7	32.7	49.1
120	22.5	17.8	26.8



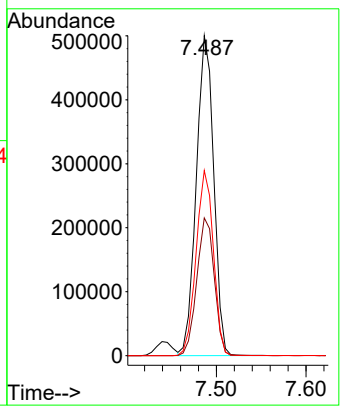


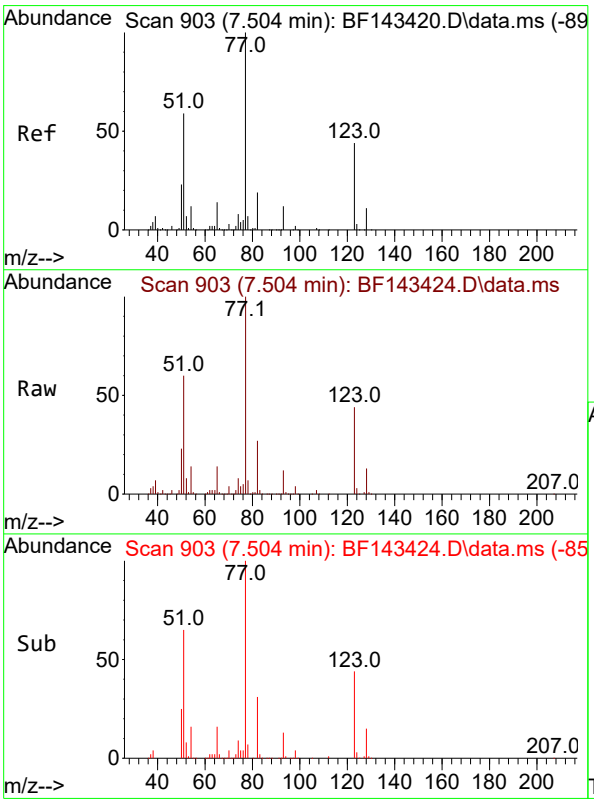
#23
Nitrobenzene-d5
Concen: 81.505 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 82 Resp: 674421

Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.6	52.0
54	57.9	46.0	69.0

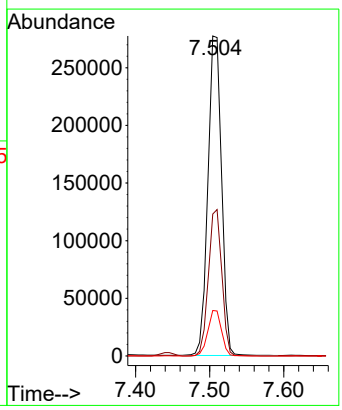


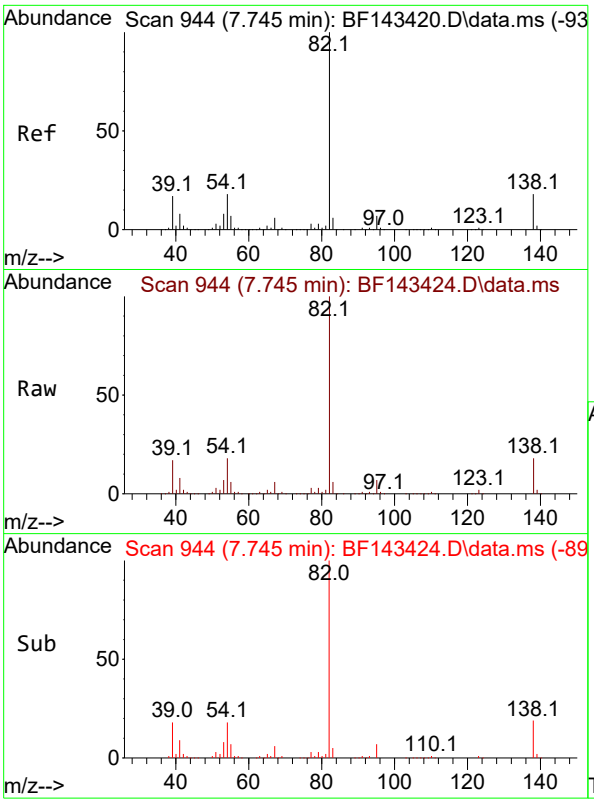


#24
Nitrobenzene
Concen: 40.922 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 77 Resp: 353900

Ion	Ratio	Lower	Upper
77	100		
123	44.3	35.4	53.0
65	14.2	11.2	16.8



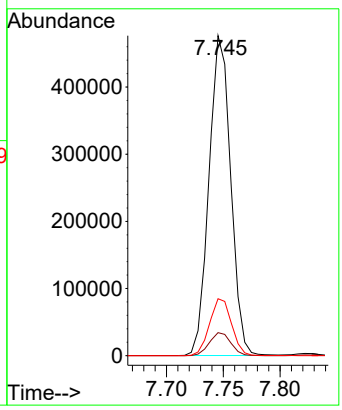


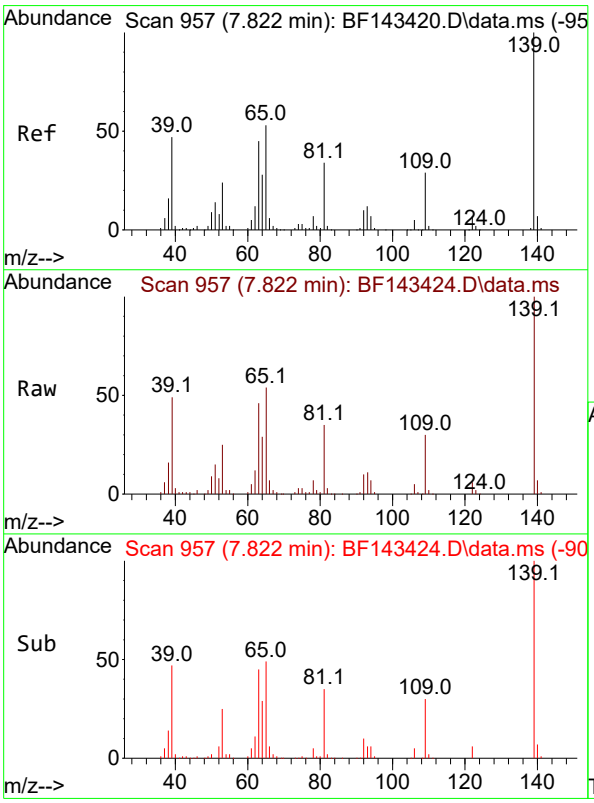
#25
Isophorone
Concen: 40.058 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 82 Resp: 634395

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	17.8	14.3	21.5

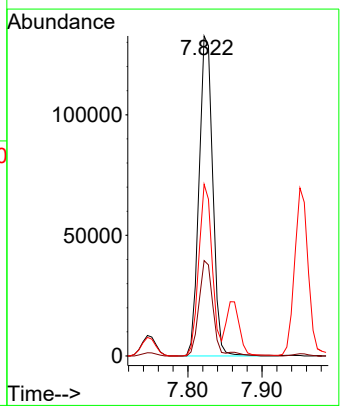


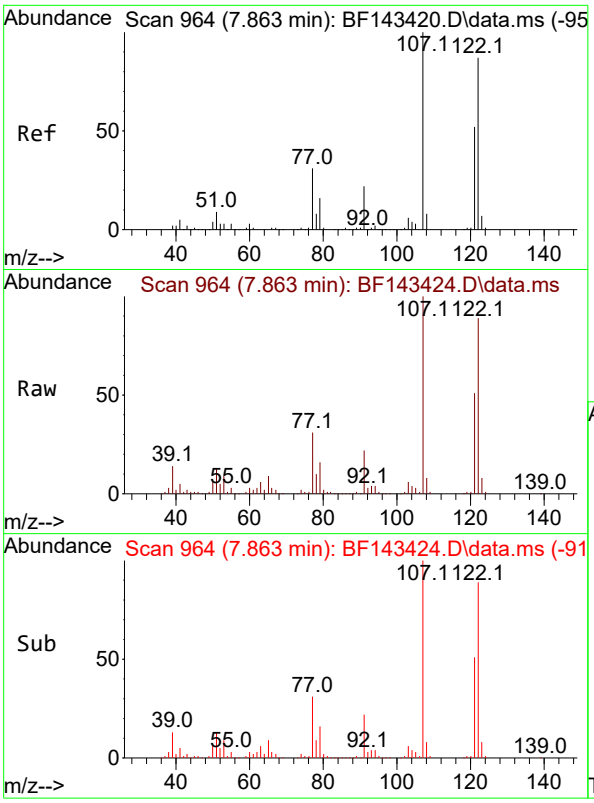


#26
2-Nitrophenol
Concen: 42.777 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:139 Resp: 171500

Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.0	34.4
65	53.7	42.5	63.7



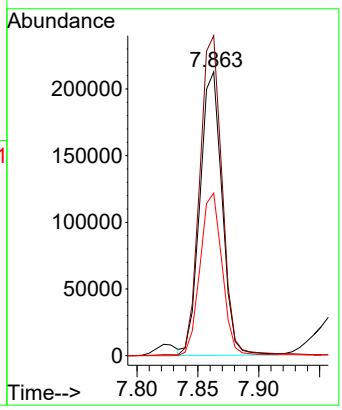


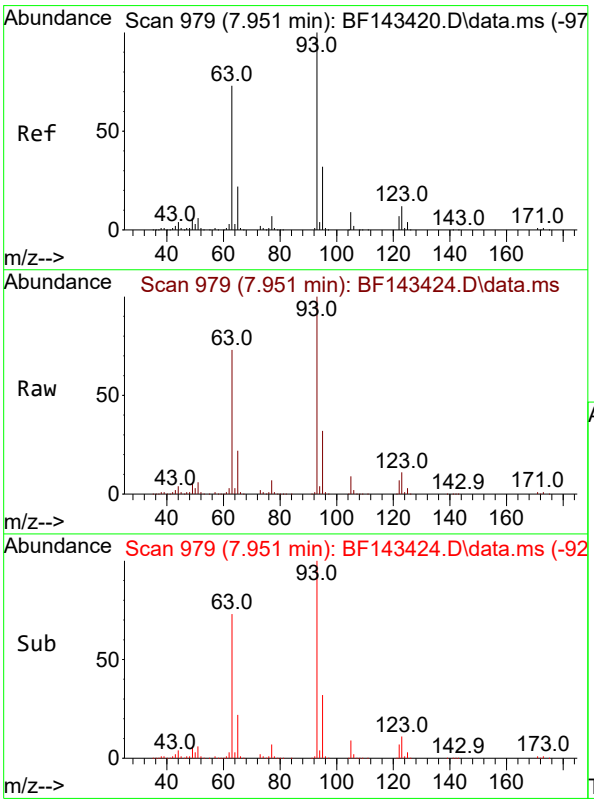
#27
2,4-Dimethylphenol
Concen: 39.609 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:122 Resp: 268492

Ion	Ratio	Lower	Upper
122	100		
107	112.7	90.4	135.6
121	57.2	46.7	70.1

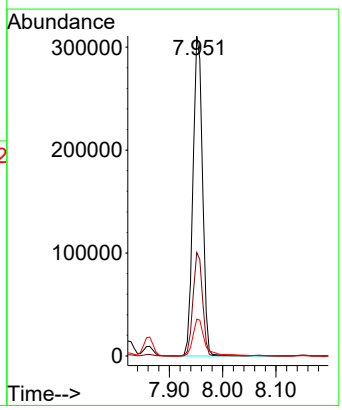


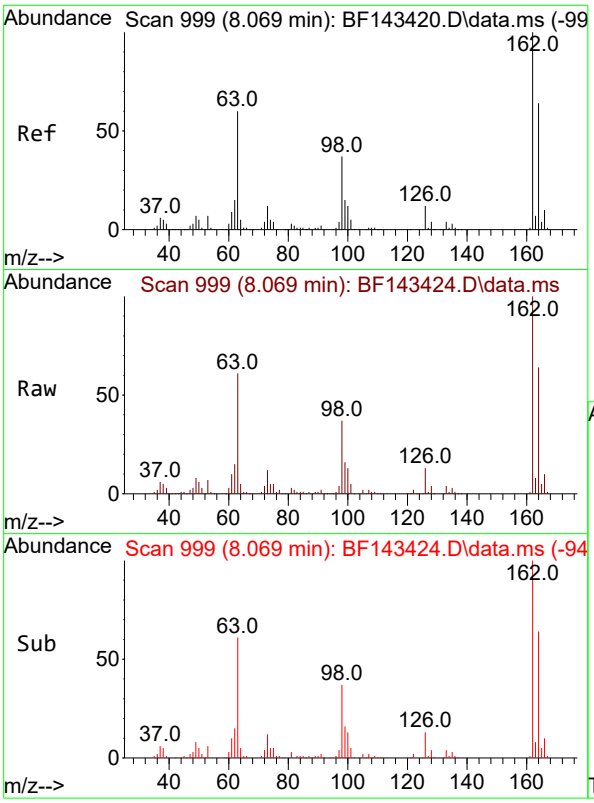


#28
bis(2-Chloroethoxy)methane
Concen: 39.801 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 93 Resp: 387437

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.5	9.5	14.3



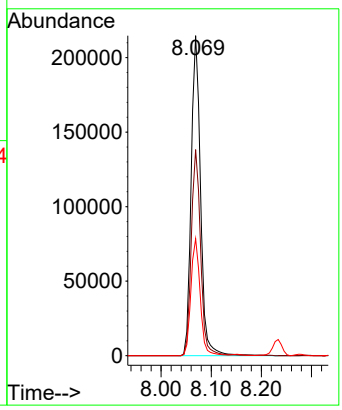


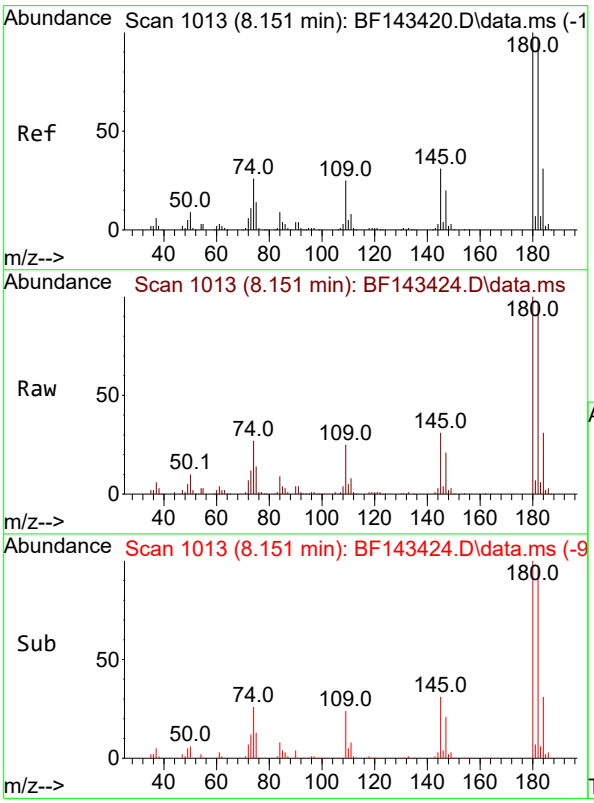
#29
2,4-Dichlorophenol
Concen: 40.367 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:162 Resp: 278935

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	36.6	16.9	56.9

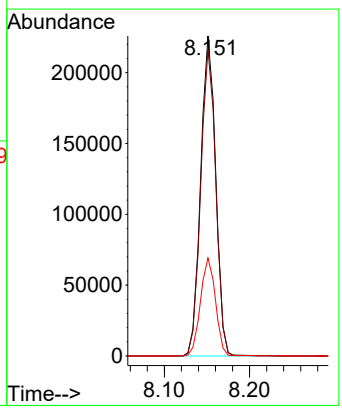


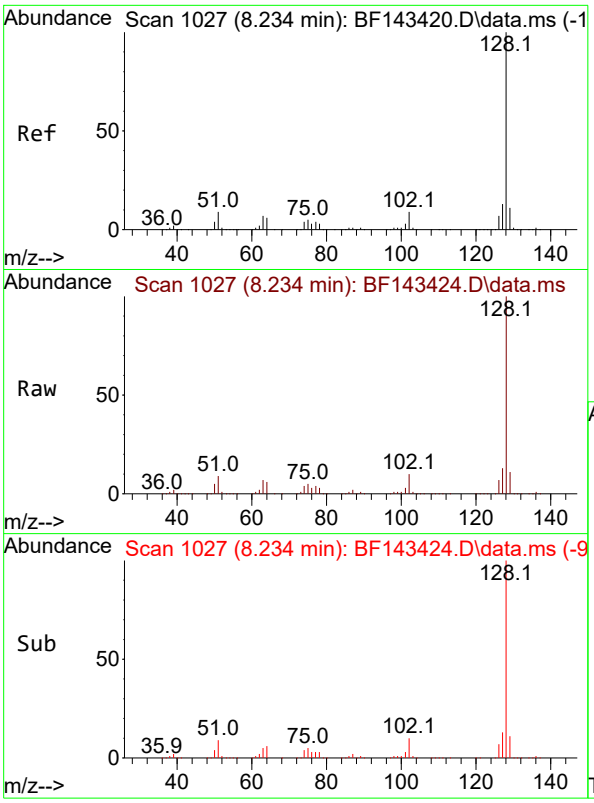


#30
1,2,4-Trichlorobenzene
Concen: 39.142 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:180 Resp: 277133

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.7	115.1
145	30.6	24.5	36.7



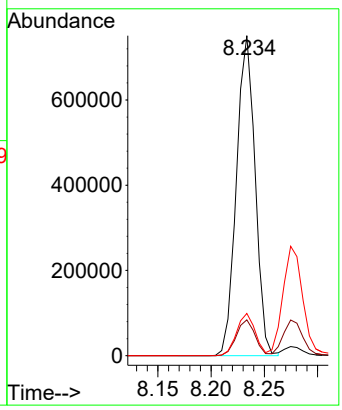


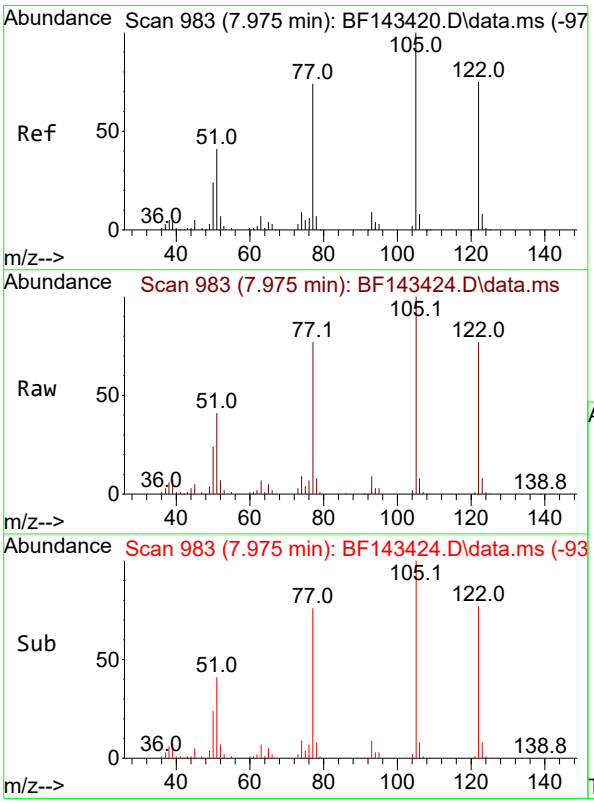
#31
Naphthalene
Concen: 39.375 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:128 Resp: 917858

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.2	10.6	16.0

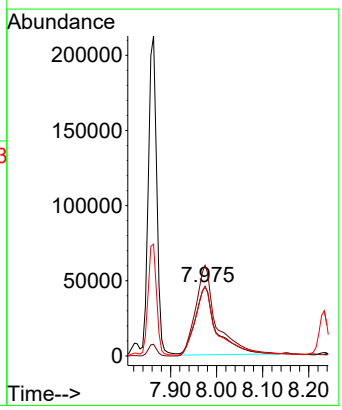


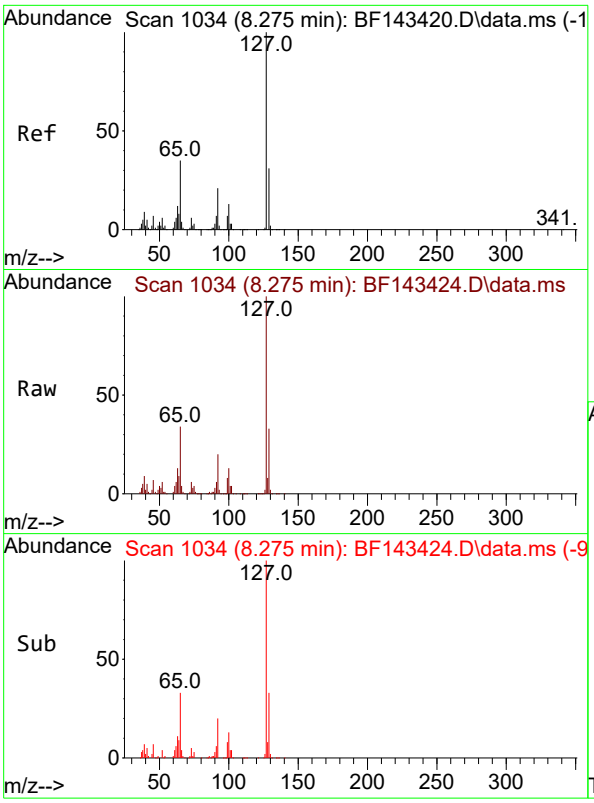


#32
Benzoic acid
Concen: 41.403 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:122 Resp: 145960

Ion	Ratio	Lower	Upper
122	100		
105	130.7	108.4	148.4
77	100.3	75.9	115.9



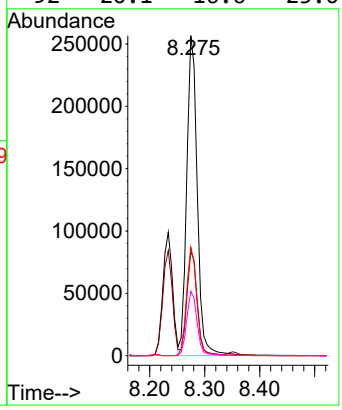


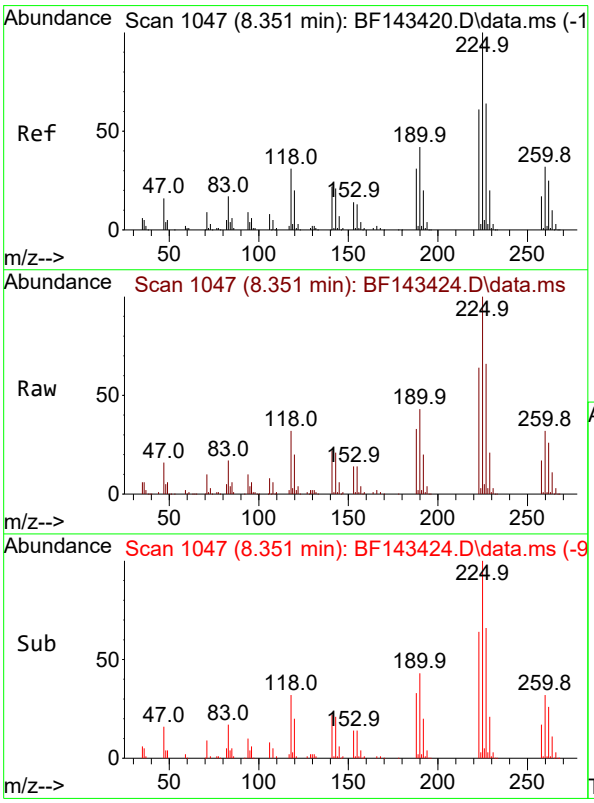
#33
4-Chloroaniline
Concen: 40.630 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:127 Resp: 341869

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.8	38.8
65	33.9	27.2	40.8
92	20.1	16.6	25.0

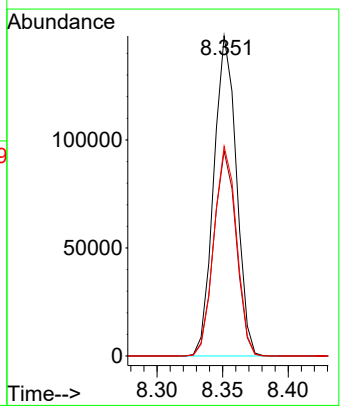


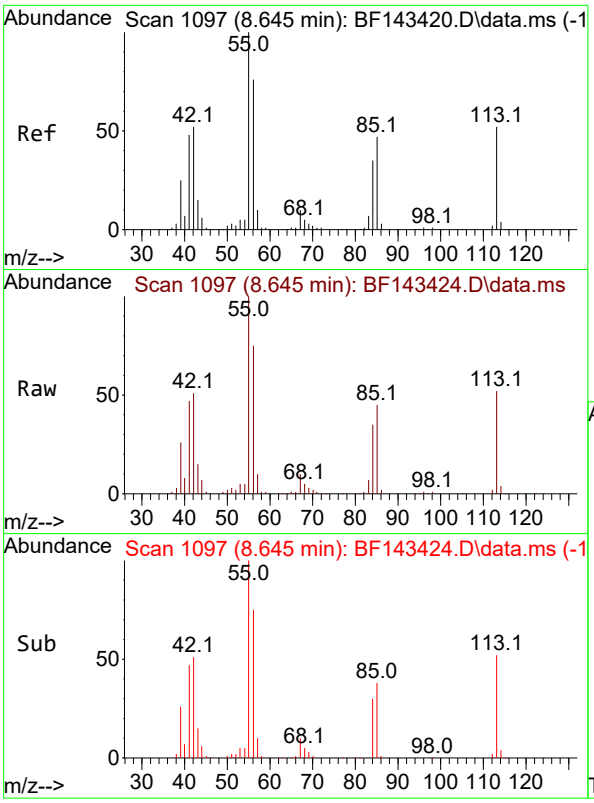


#34
Hexachlorobutadiene
Concen: 39.224 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:225 Resp: 177092

Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.0	73.6
227	65.5	51.1	76.7



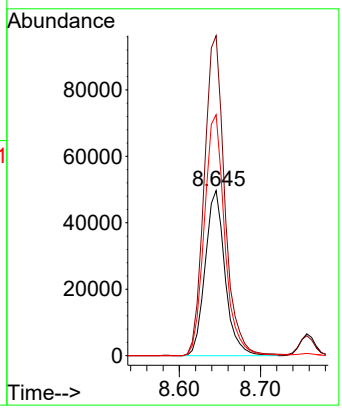


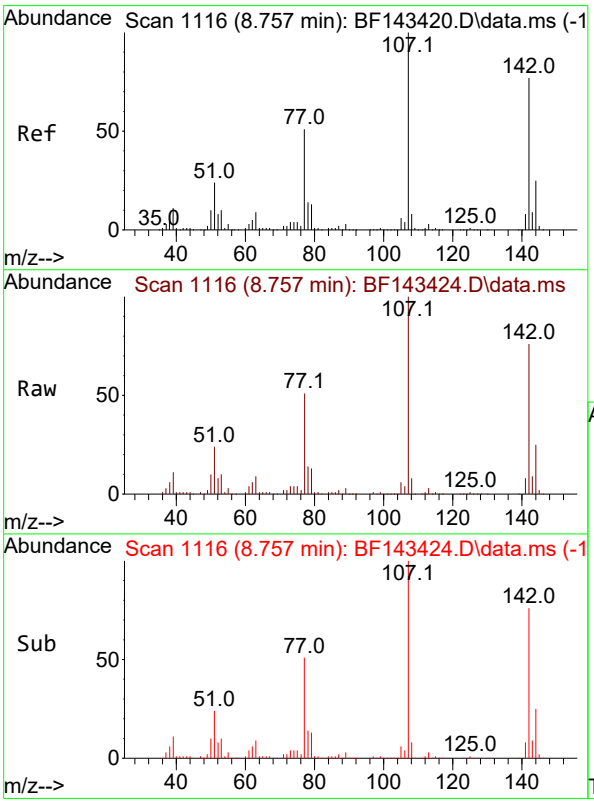
#35
Caprolactam
Concen: 42.330 ng
RT: 8.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:113 Resp: 84212

Ion	Ratio	Lower	Upper
113	100		
55	193.9	174.7	214.7
56	146.0	127.0	167.0

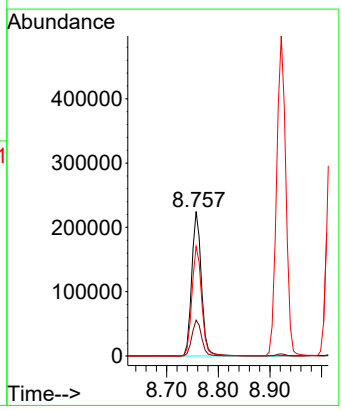


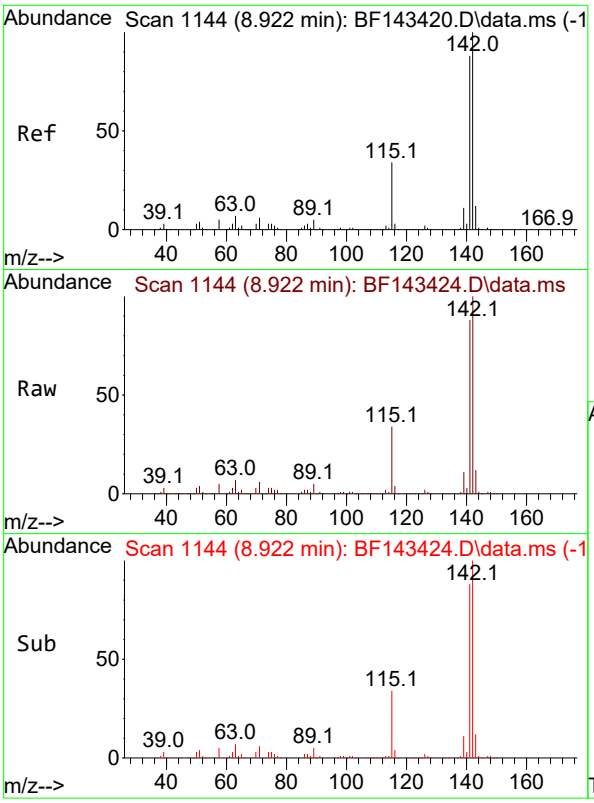


#36
4-Chloro-3-methylphenol
Concen: 40.997 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:107 Resp: 291765

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.2	30.2
142	75.7	62.0	93.0



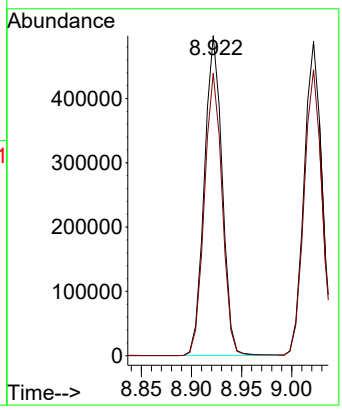


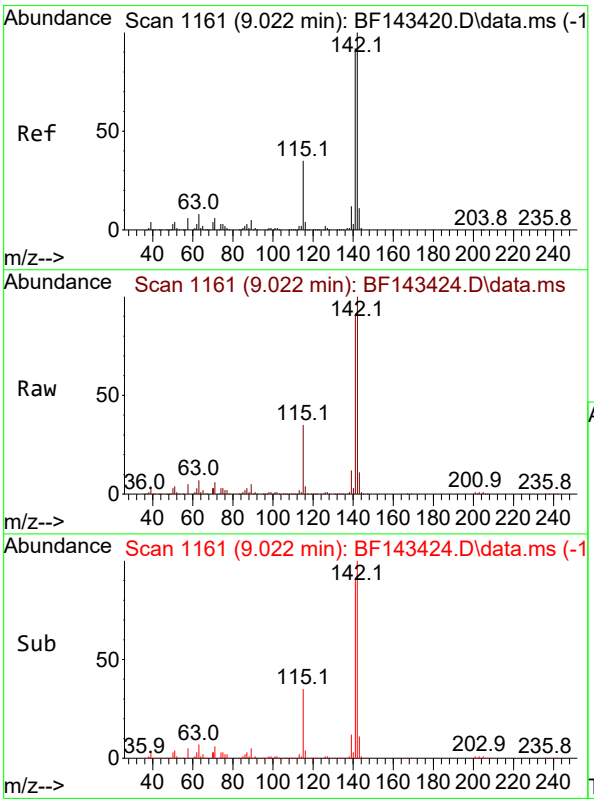
#37
2-Methylnaphthalene
Concen: 39.196 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:142 Resp: 615873

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.3	105.5

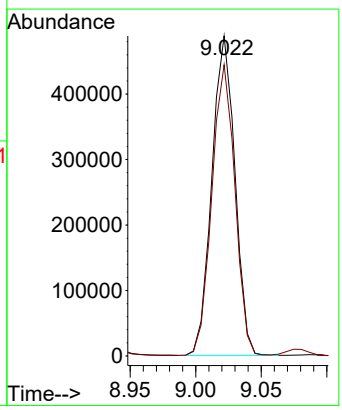


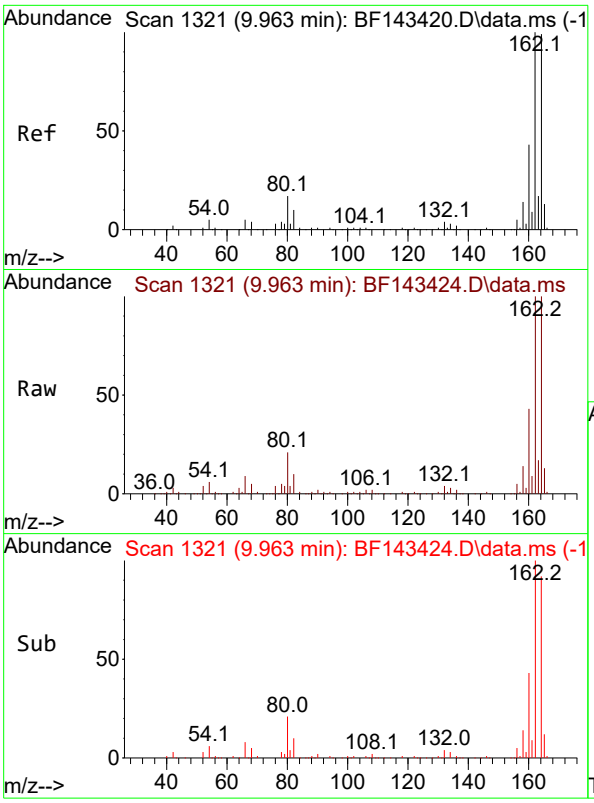


#38
1-Methylnaphthalene
Concen: 39.623 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:142 Resp: 596492

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.8	110.6



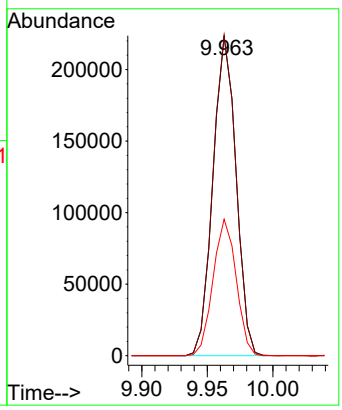


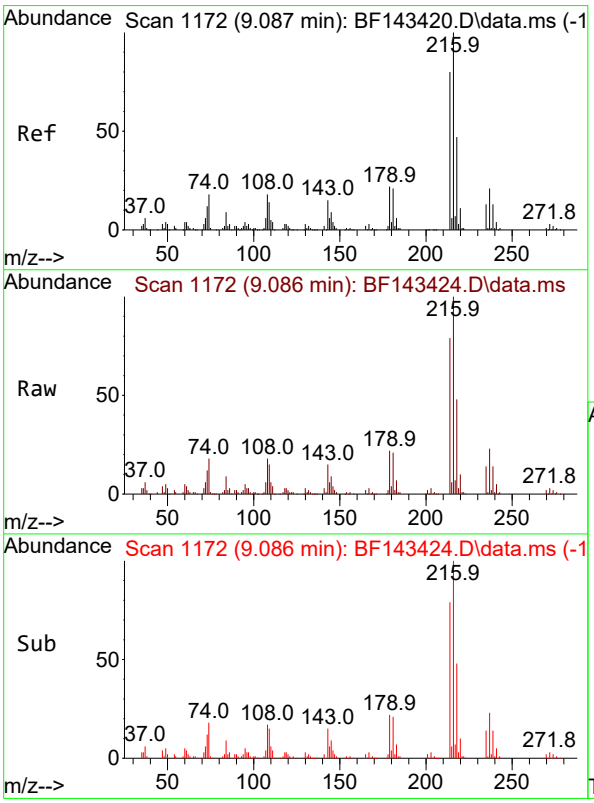
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:164 Resp: 272709

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	42.8	34.6	51.8

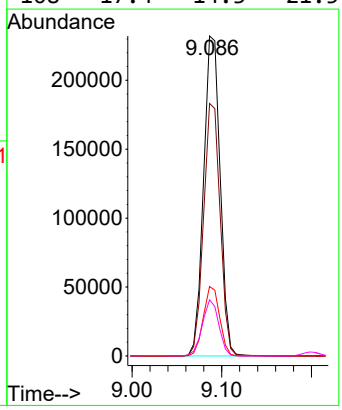


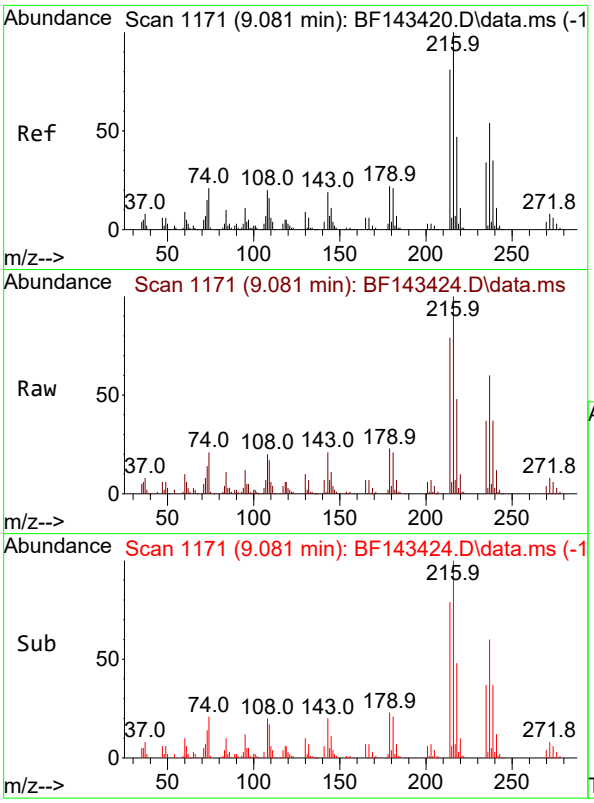


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.145 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:216 Resp: 297713

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.7	95.5
179	21.3	17.0	25.4
108	17.4	14.3	21.5



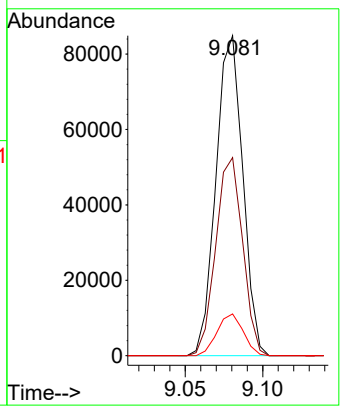


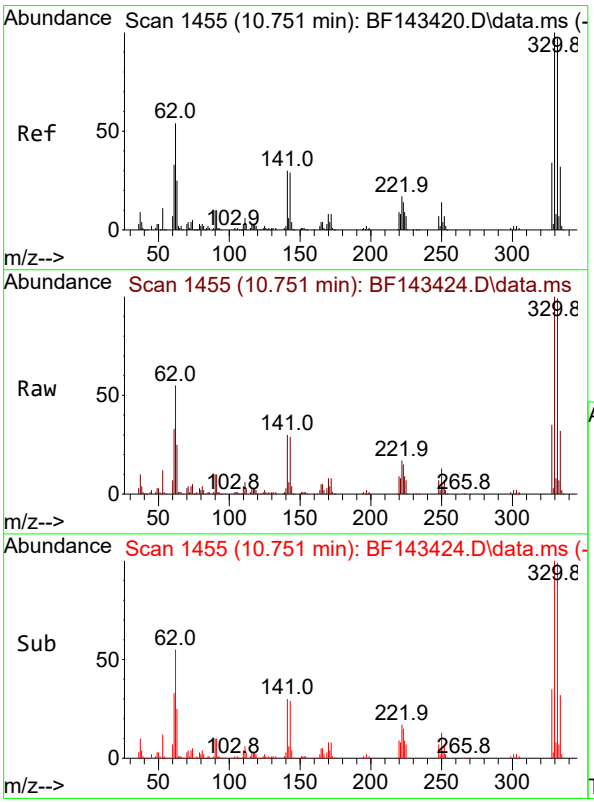
#41
Hexachlorocyclopentadiene
Concen: 40.416 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:237 Resp: 102238

Ion	Ratio	Lower	Upper
237	100		
235	61.9	41.6	81.6
272	13.0	0.0	33.8

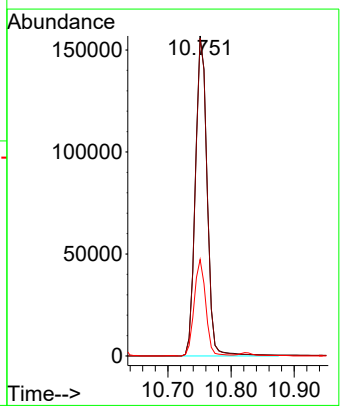


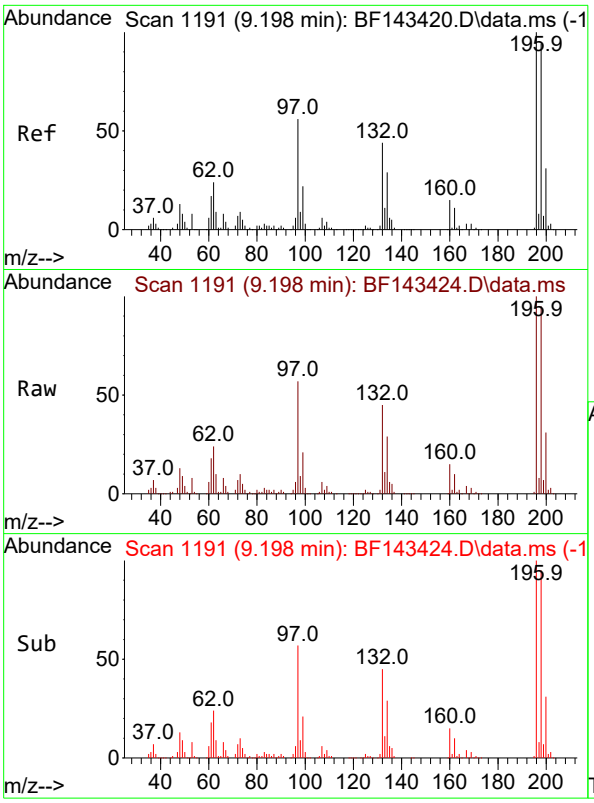


#42
2,4,6-Tribromophenol
Concen: 83.344 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:330 Resp: 202301

Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.4	116.2
141	29.7	24.1	36.1



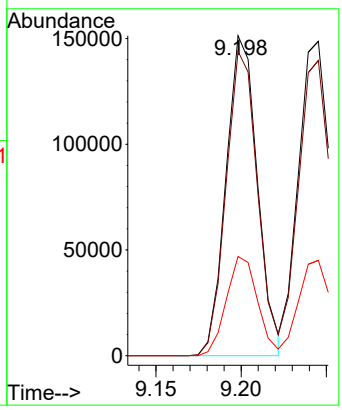


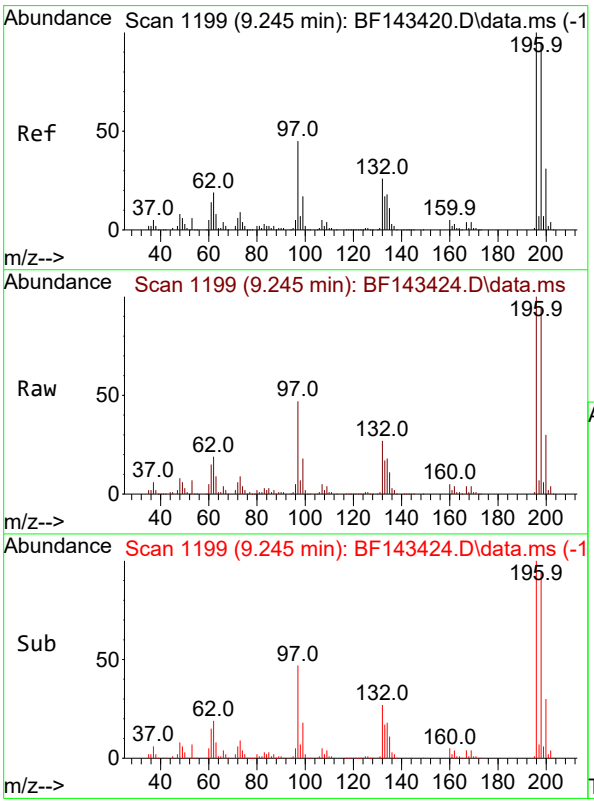
#43
2,4,6-Trichlorophenol
Concen: 40.774 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:196 Resp: 193444

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.2
200	31.0	24.7	37.1

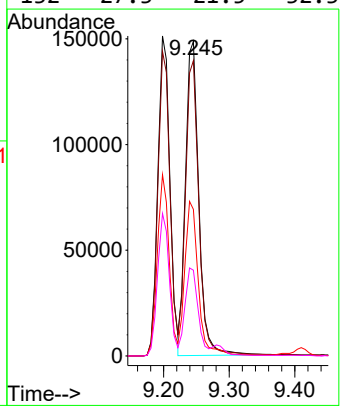


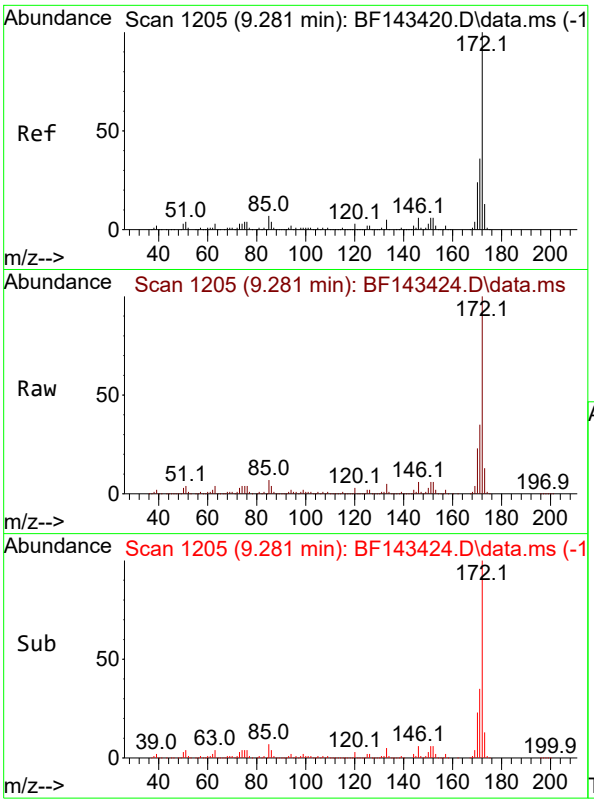


#44
2,4,5-Trichlorophenol
Concen: 41.305 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:196 Resp: 210061

Ion	Ratio	Lower	Upper
196	100		
198	93.9	76.2	114.4
97	46.6	36.6	55.0
132	27.3	21.5	32.3



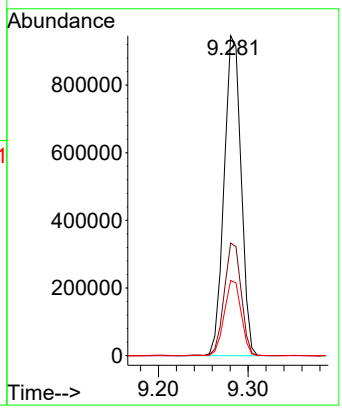


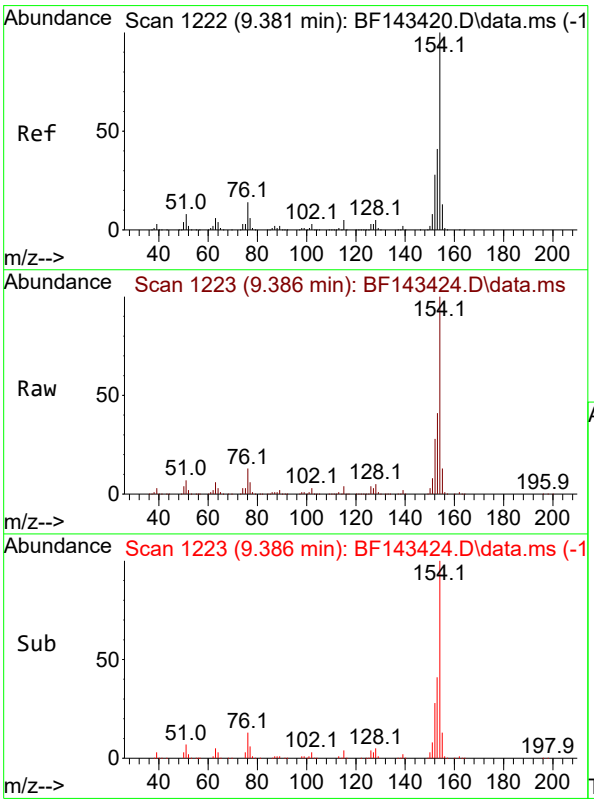
#45
2-Fluorobiphenyl
Concen: 76.538 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:172 Resp: 1240954

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.7	43.1
170	23.5	19.0	28.6

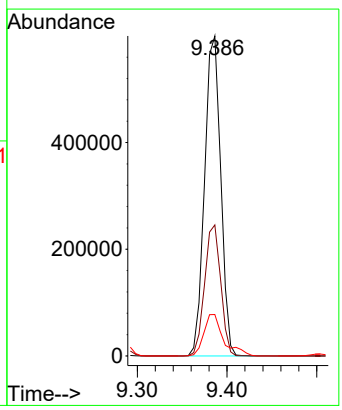


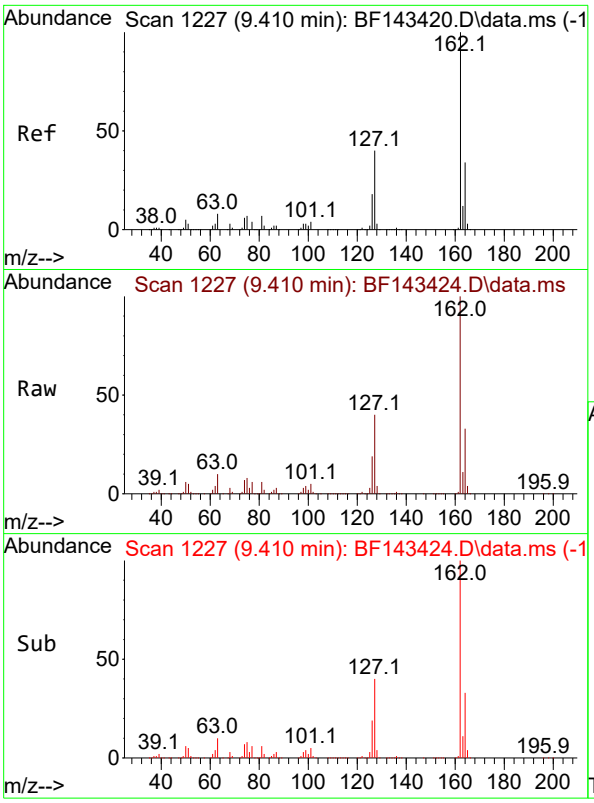


#46
1,1'-Biphenyl
Concen: 39.081 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:154 Resp: 748830

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.6	60.6
76	13.0	0.0	33.8



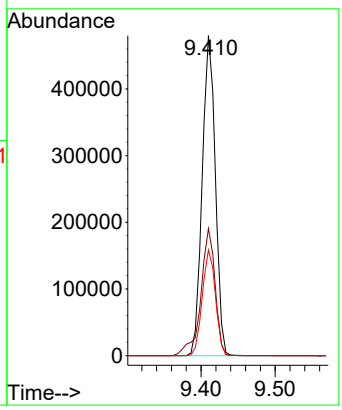


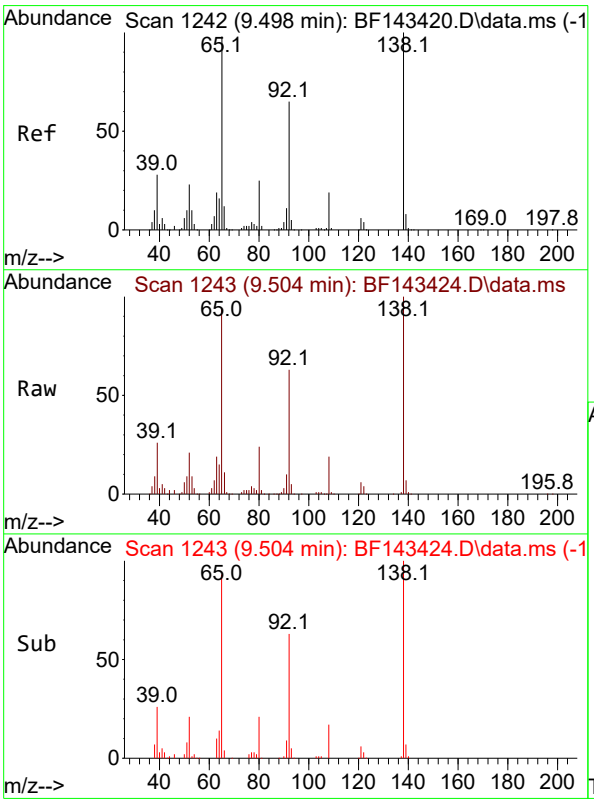
#47
2-Chloronaphthalene
Concen: 39.058 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:162 Resp: 590752

Ion	Ratio	Lower	Upper
162	100		
127	39.7	32.3	48.5
164	33.0	26.9	40.3

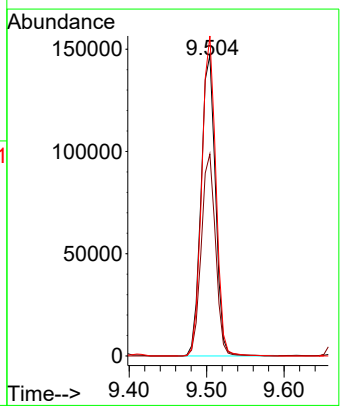


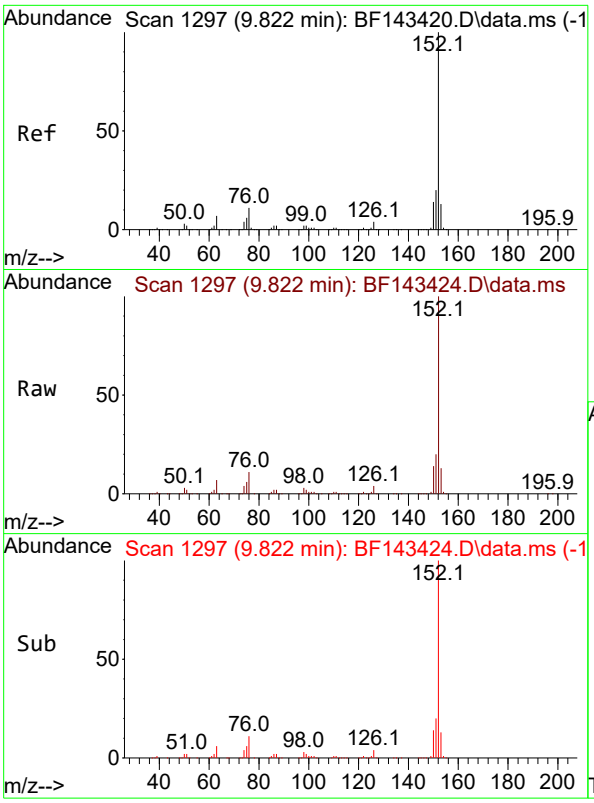


#48
2-Nitroaniline
Concen: 42.141 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 65 Resp: 189676

Ion	Ratio	Lower	Upper
65	100		
92	67.1	52.9	79.3
138	106.4	81.3	121.9



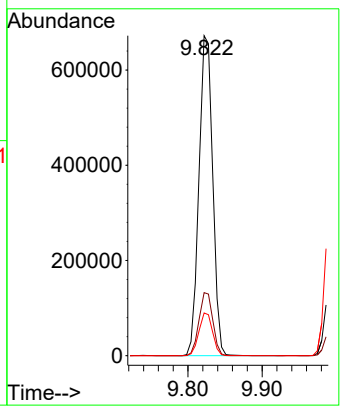


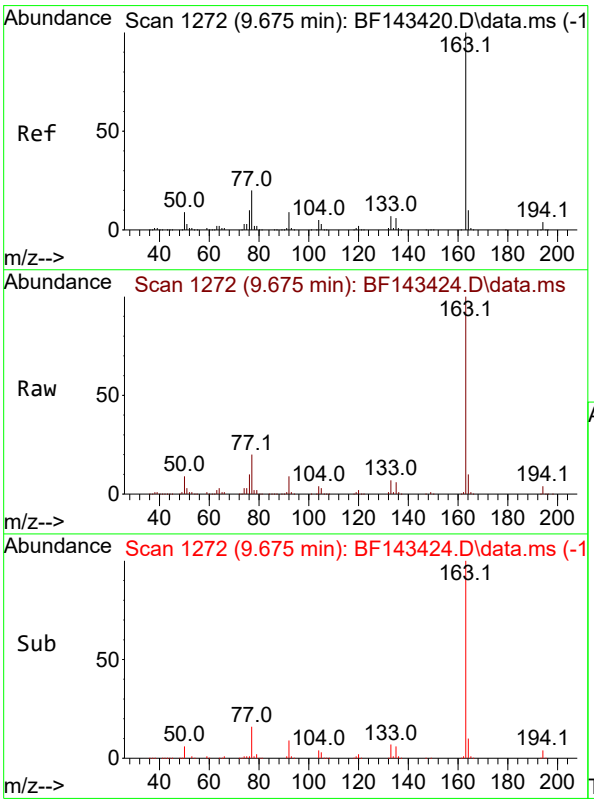
#49
Acenaphthylene
Concen: 39.677 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:152 Resp: 866445

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.4	10.8	16.2

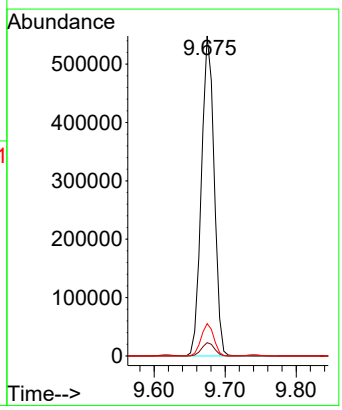


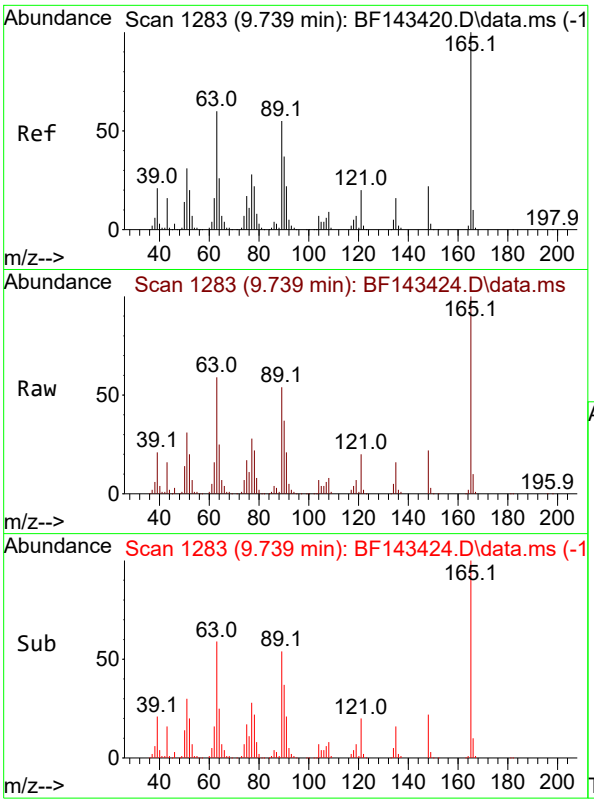


#50
Dimethylphthalate
Concen: 40.394 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:163 Resp: 686793

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.2	12.4



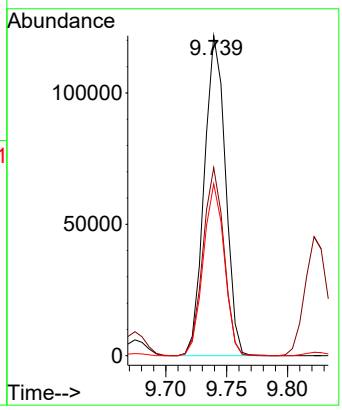


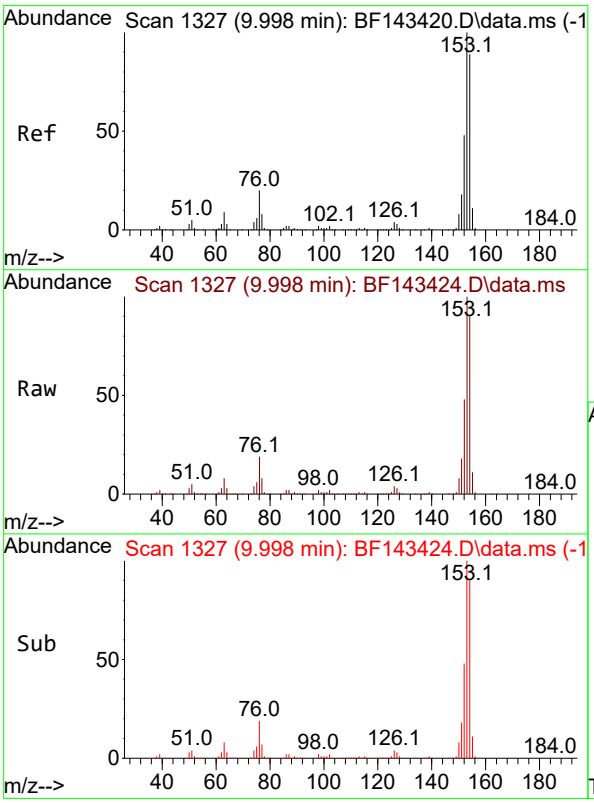
#51
2,6-Dinitrotoluene
Concen: 43.842 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:165 Resp: 146942

Ion	Ratio	Lower	Upper
165	100		
63	58.7	48.2	72.2
89	53.7	44.2	66.2

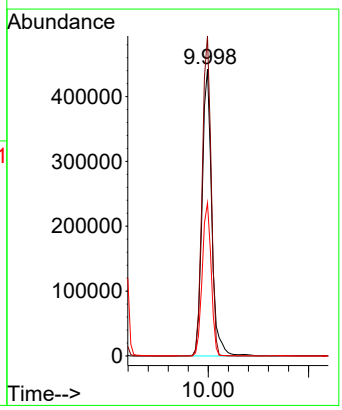


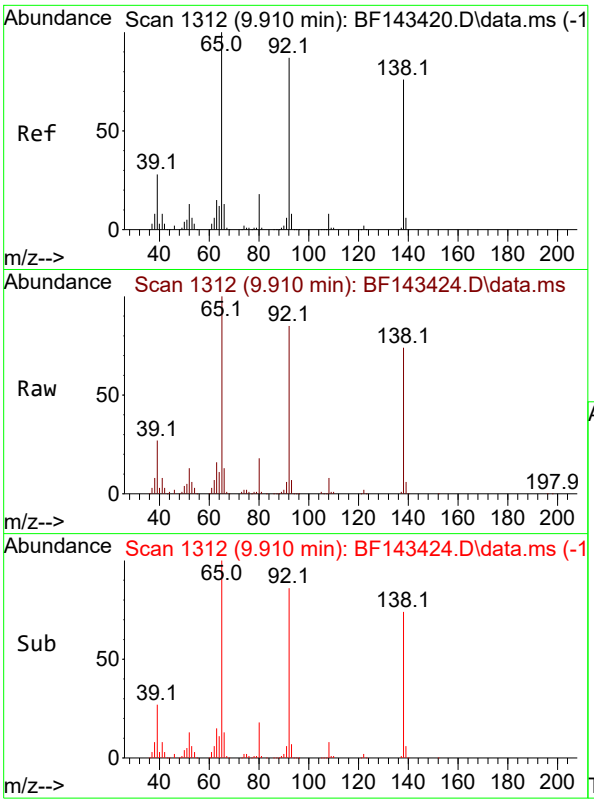


#52
Acenaphthene
Concen: 40.115 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:154 Resp: 589195

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.5	134.3
152	53.4	42.6	64.0



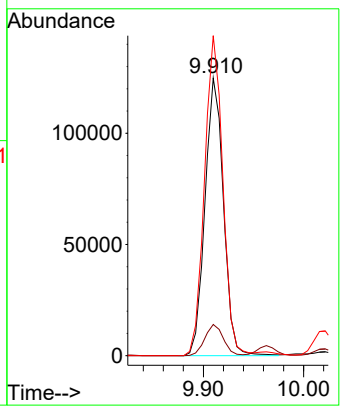


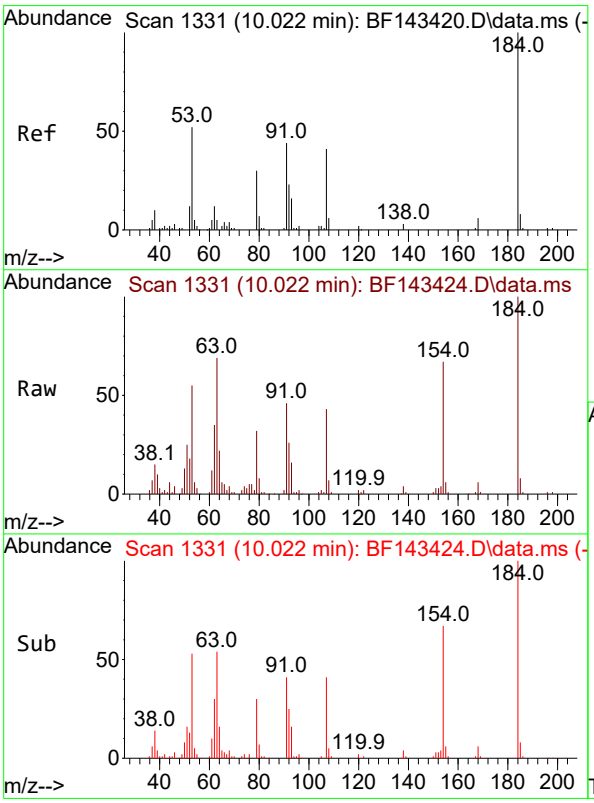
#53
3-Nitroaniline
Concen: 43.062 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:138 Resp: 160770

Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.7	13.1
92	115.3	91.4	137.2

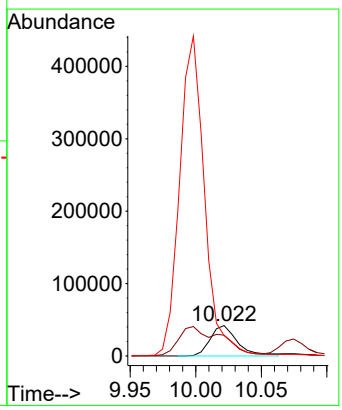


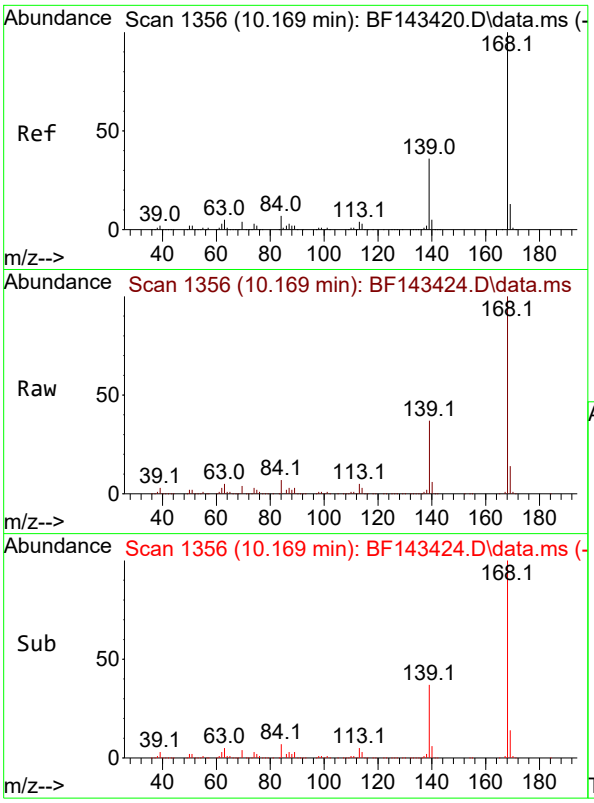


#54
2,4-Dinitrophenol
Concen: 41.967 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:184 Resp: 60785

Ion	Ratio	Lower	Upper
184	100		
63	68.6	53.2	79.8
154	67.0	51.3	76.9



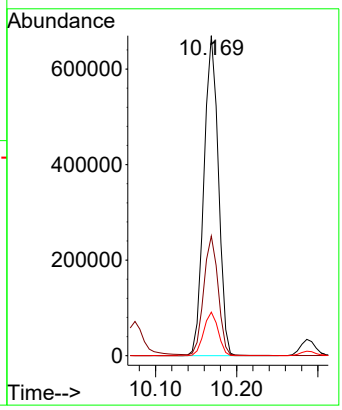


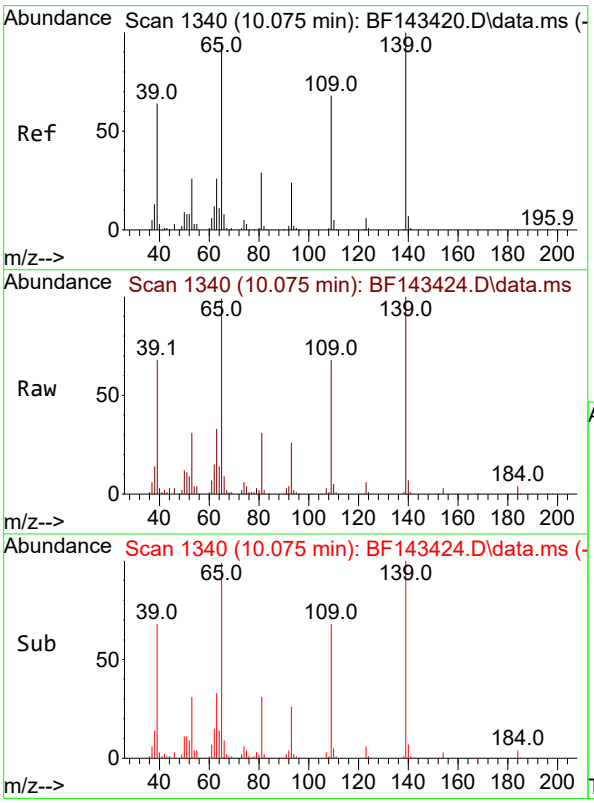
#55
Dibenzofuran
Concen: 39.033 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:168 Resp: 827034

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.3	43.9
169	13.6	10.8	16.2

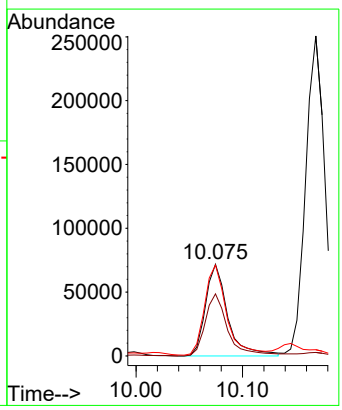


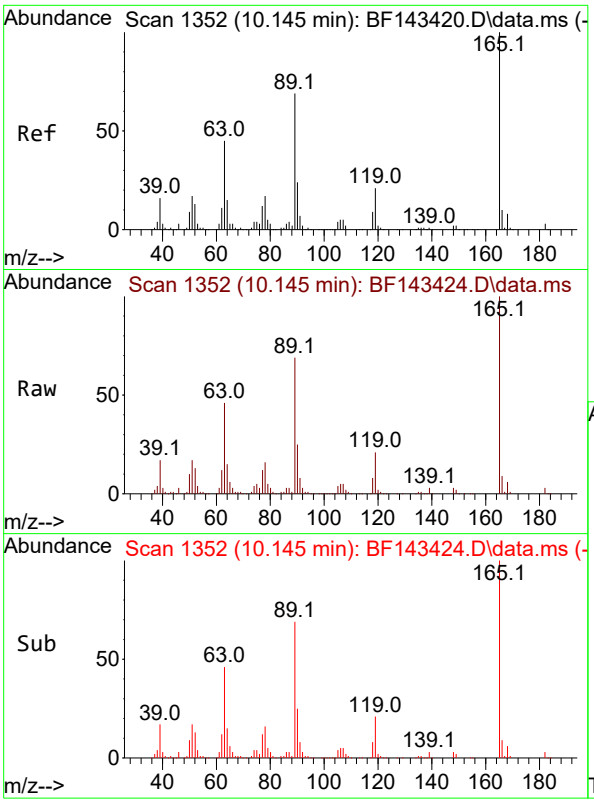


#56
4-Nitrophenol
Concen: 44.464 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:139 Resp: 104368

Ion	Ratio	Lower	Upper
139	100		
109	67.7	47.7	87.7
65	99.2	76.4	116.4



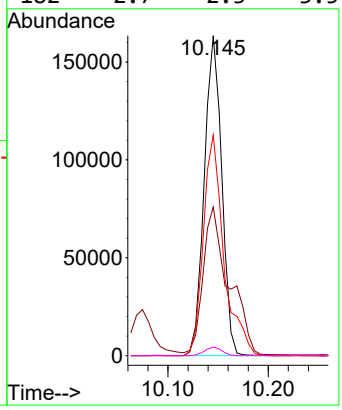


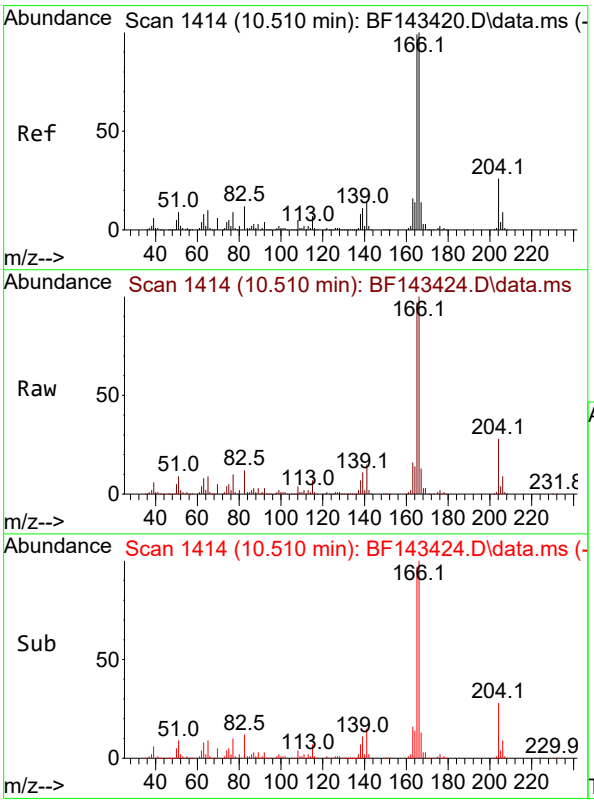
#57
2,4-Dinitrotoluene
Concen: 44.386 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:165 Resp: 198343

Ion	Ratio	Lower	Upper
165	100		
63	46.4	37.0	55.6
89	68.9	55.4	83.0
182	2.7	2.3	3.5

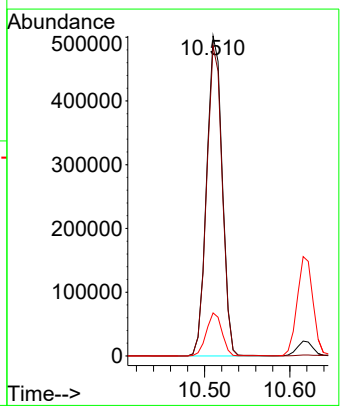


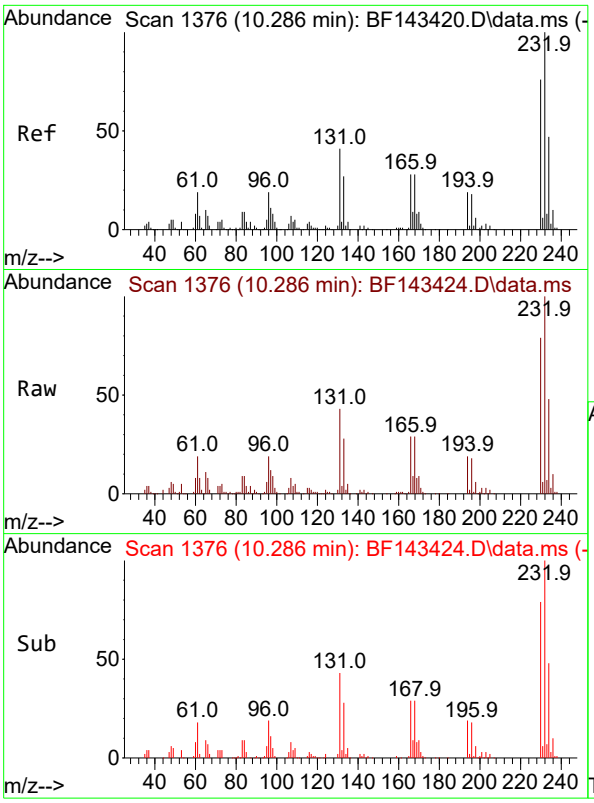


#58
Fluorene
Concen: 39.070 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:166 Resp: 635952

Ion	Ratio	Lower	Upper
166	100		
165	96.8	79.0	118.6
167	13.5	10.9	16.3



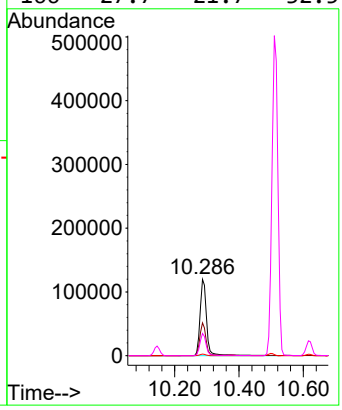


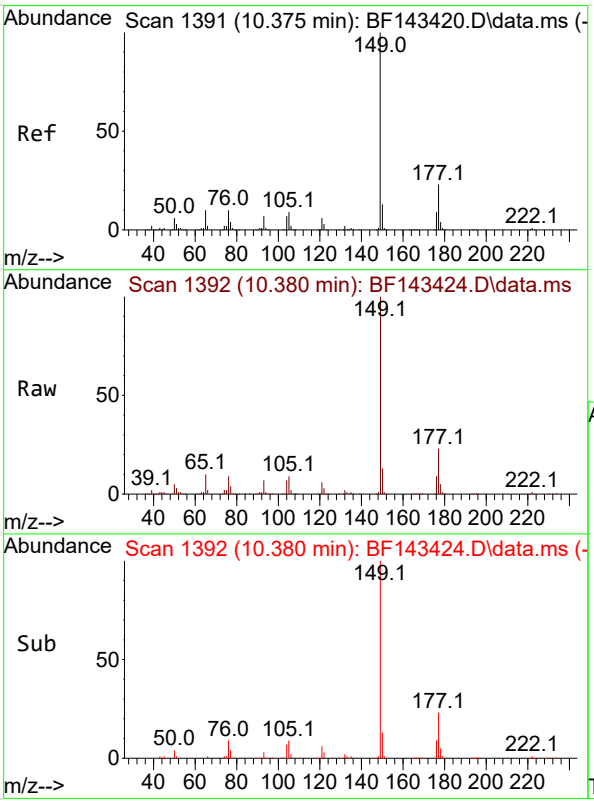
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.424 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:232 Resp: 167166

Ion	Ratio	Lower	Upper
232	100		
131	40.7	32.0	48.0
130	1.9	1.7	2.5
166	27.7	21.7	32.5

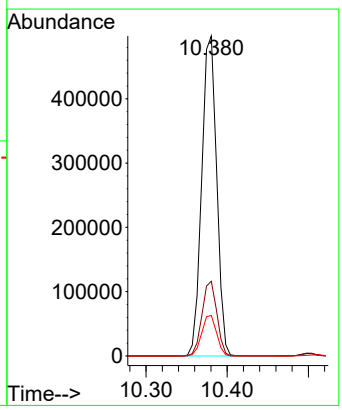


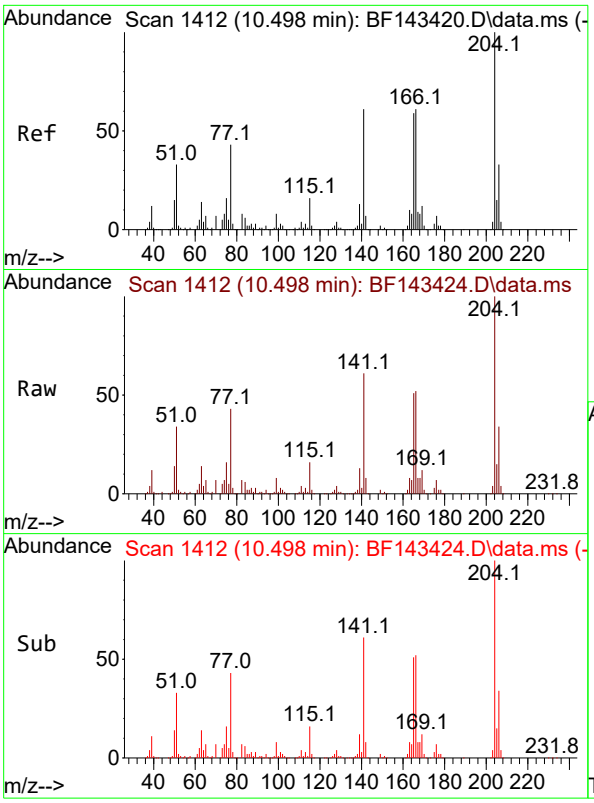


#60
Diethylphthalate
Concen: 40.514 ng
RT: 10.380 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:149 Resp: 636541

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.4
150	12.6	10.1	15.1



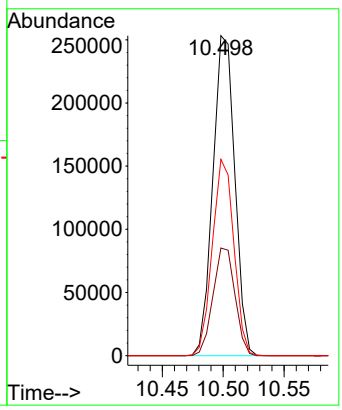


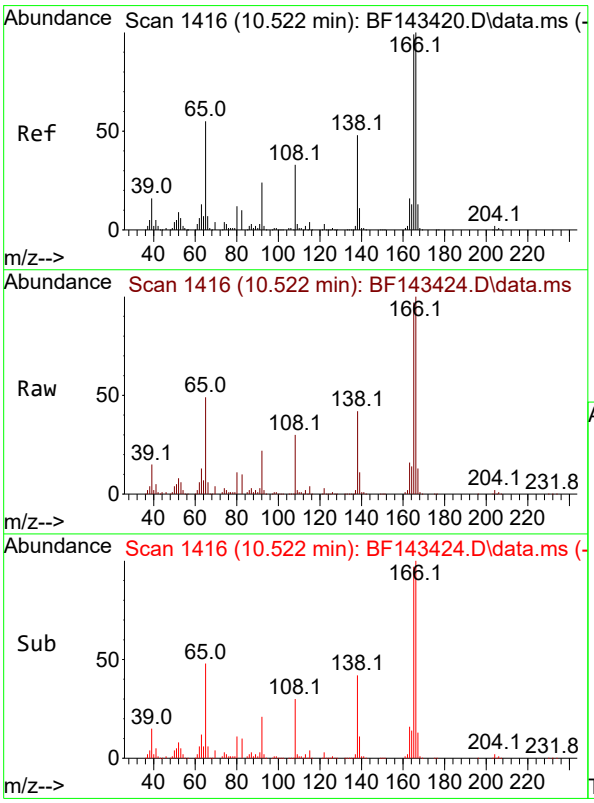
#61
4-Chlorophenyl-phenylether
Concen: 39.533 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:204 Resp: 318141

Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.5	39.7
141	61.3	49.0	73.4

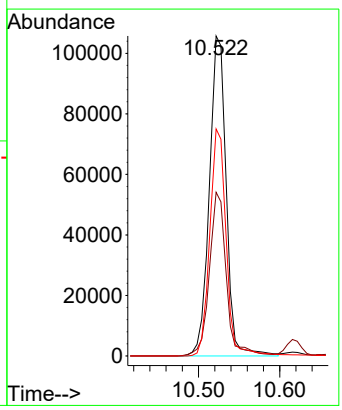


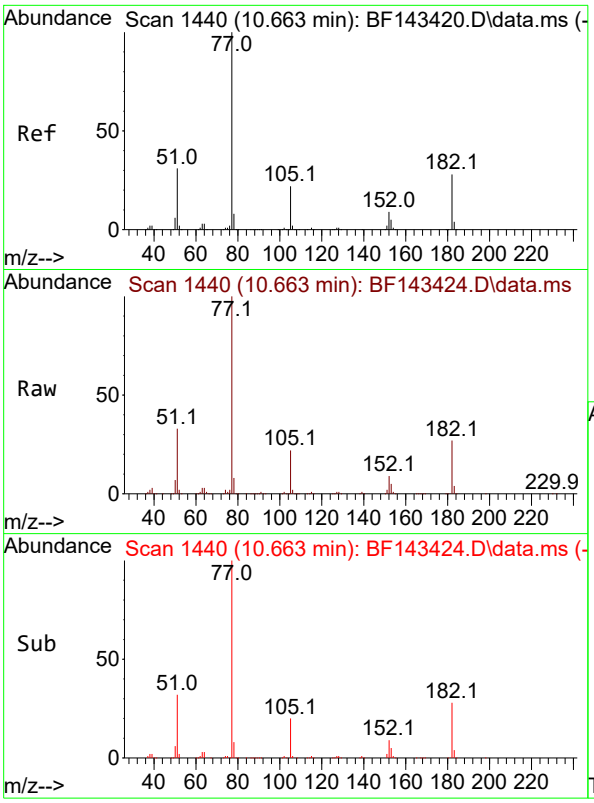


#62
4-Nitroaniline
Concen: 43.604 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:138 Resp: 152248

Ion	Ratio	Lower	Upper
138	100		
92	51.2	29.4	69.4
108	71.0	48.6	88.6



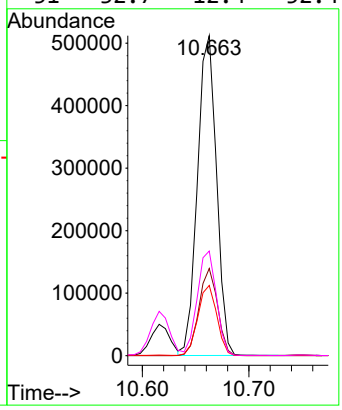


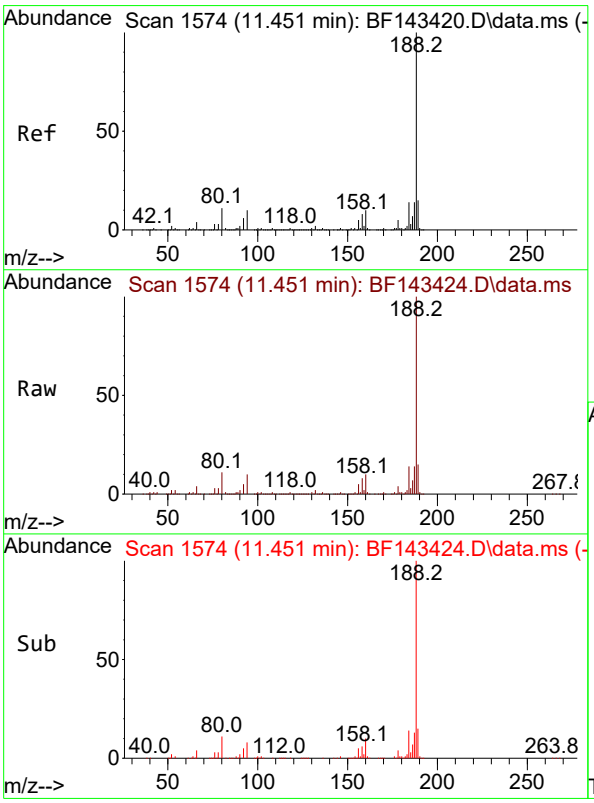
#63
Azobenzene
Concen: 40.143 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 77 Resp: 637467

Ion	Ratio	Lower	Upper
77	100		
182	27.2	7.4	47.4
105	21.9	1.7	41.7
51	32.7	12.4	52.4

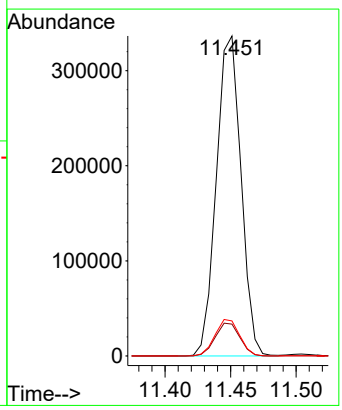


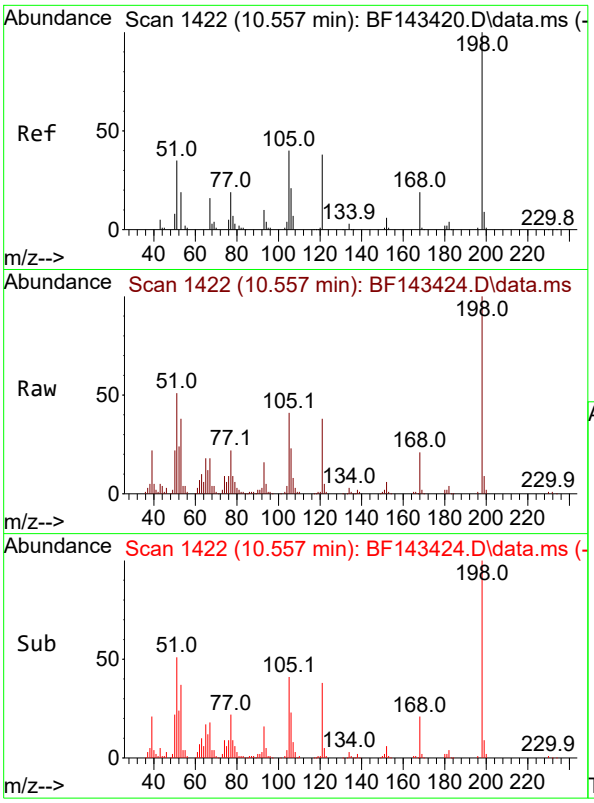


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:188 Resp: 440330

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.9	8.6	12.8



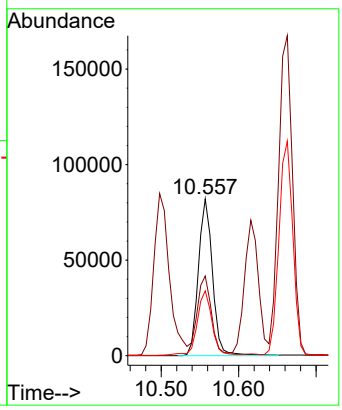


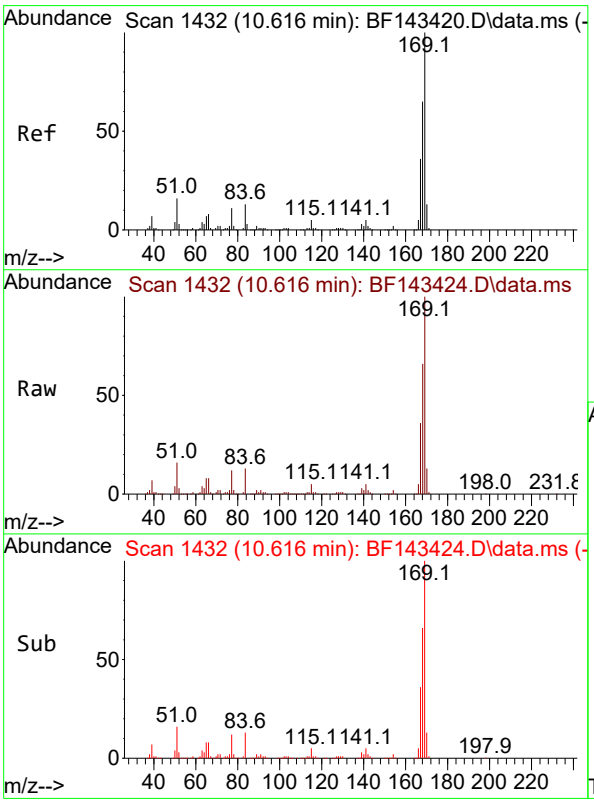
#65
4,6-Dinitro-2-methylphenol
Concen: 45.779 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:198 Resp: 104008

Ion	Ratio	Lower	Upper
198	100		
51	50.8	31.2	71.2
105	41.3	21.7	61.7

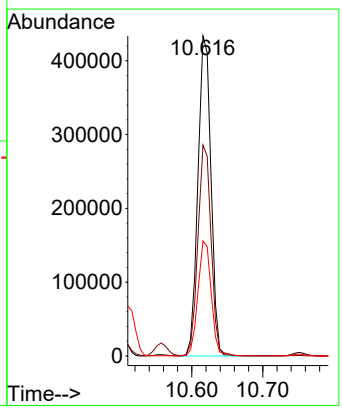


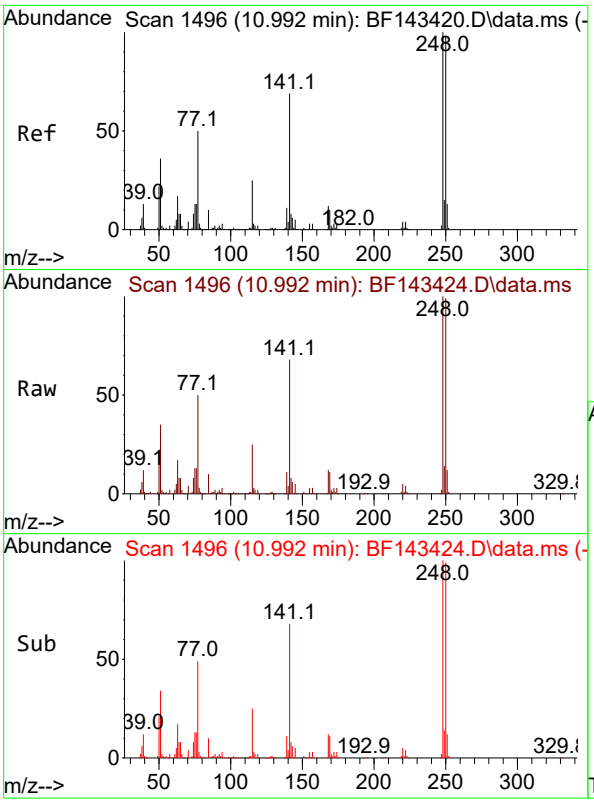


#66
n-Nitrosodiphenylamine
Concen: 38.734 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:169 Resp: 554575

Ion	Ratio	Lower	Upper
169	100		
168	65.9	52.5	78.7
167	36.0	28.6	42.8



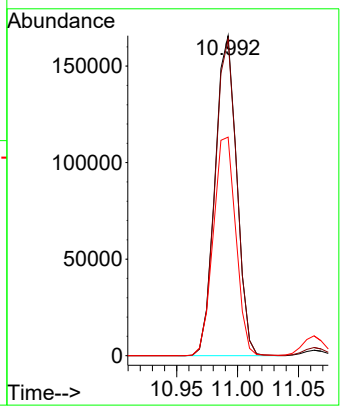


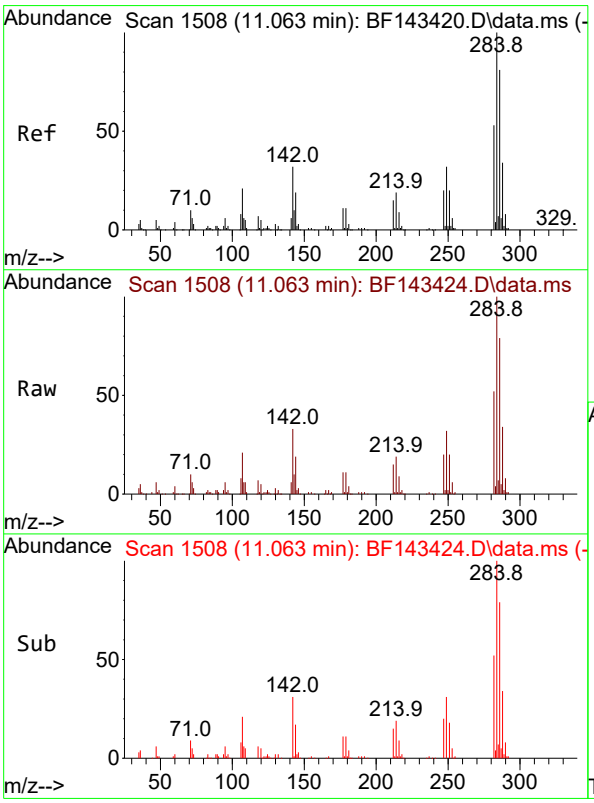
#67
4-Bromophenyl-phenylether
Concen: 39.547 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:248 Resp: 205635

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.6	118.0
141	68.3	54.9	82.3

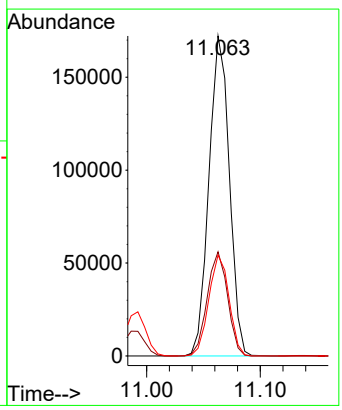


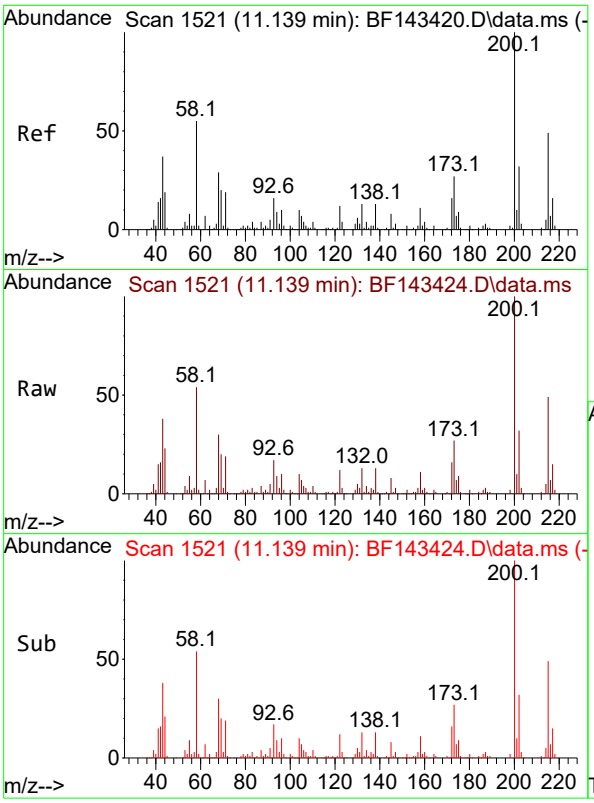


#68
Hexachlorobenzene
Concen: 38.923 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:284 Resp: 215158

Ion	Ratio	Lower	Upper
284	100		
142	32.5	25.4	38.2
249	31.5	25.4	38.0



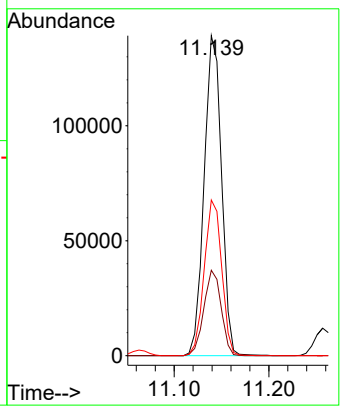


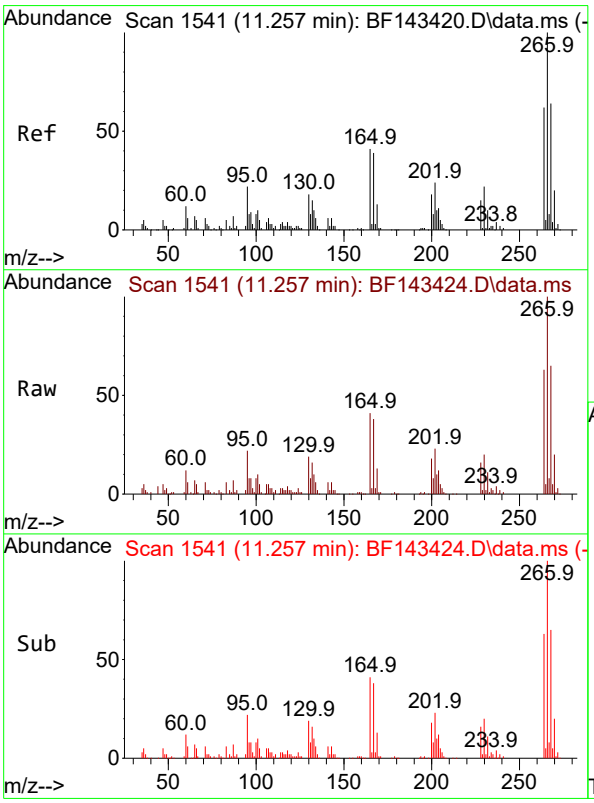
#69
Atrazine
Concen: 42.361 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:200 Resp: 177396

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.6	46.6
215	48.6	29.5	69.5

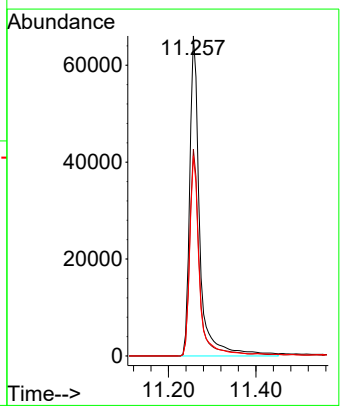


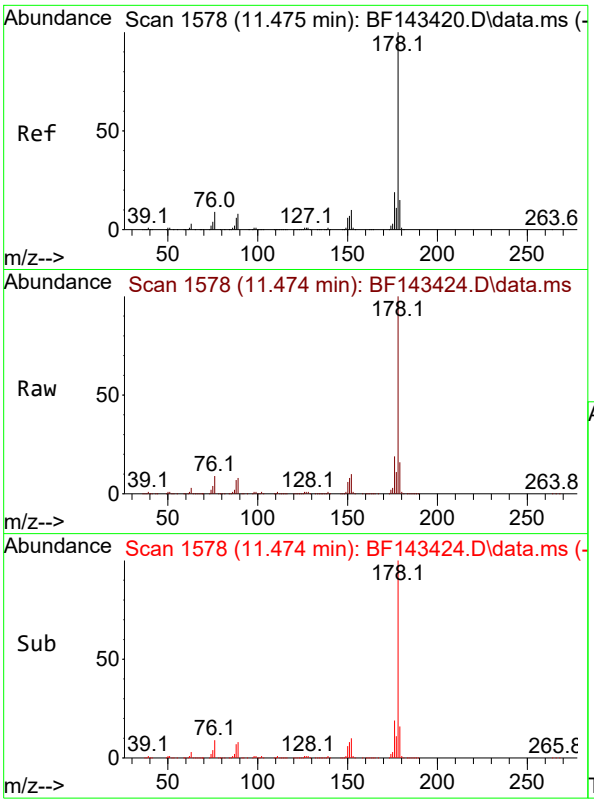


#70
Pentachlorophenol
Concen: 43.486 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:266 Resp: 105712

Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.0	76.6
264	62.6	49.3	73.9



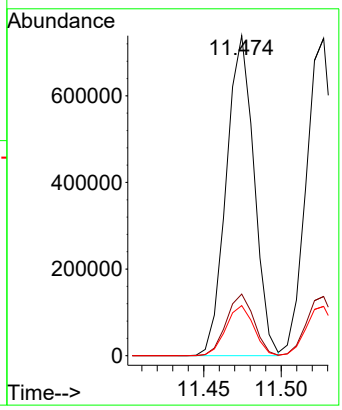


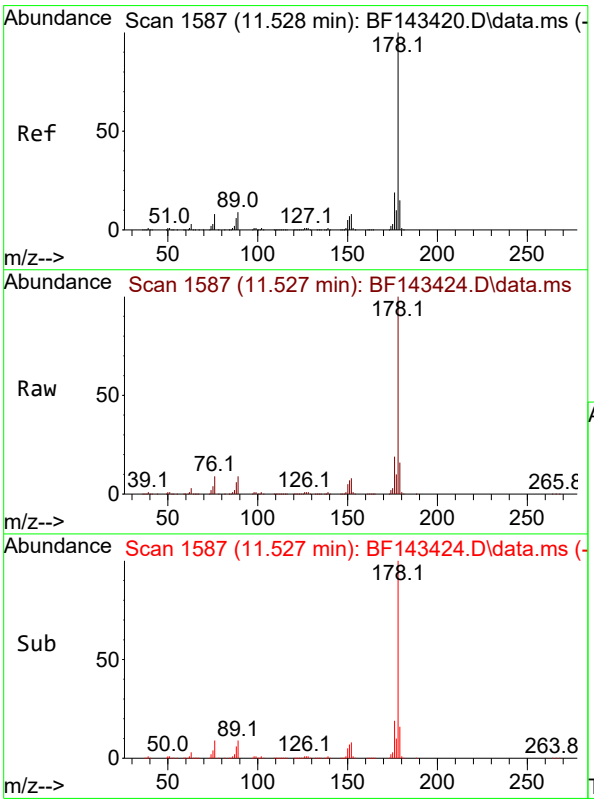
#71
Phenanthrene
Concen: 38.568 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:178 Resp: 919627

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.7	12.3	18.5

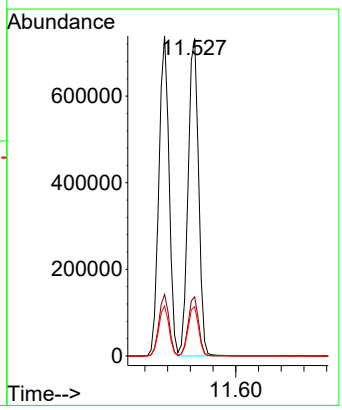


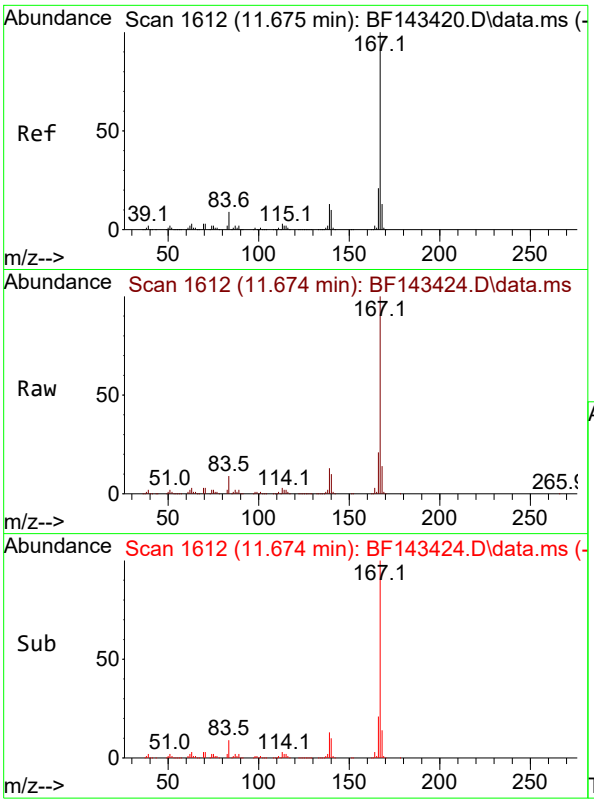


#72
Anthracene
Concen: 38.935 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:178 Resp: 937696

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.5	12.2	18.4



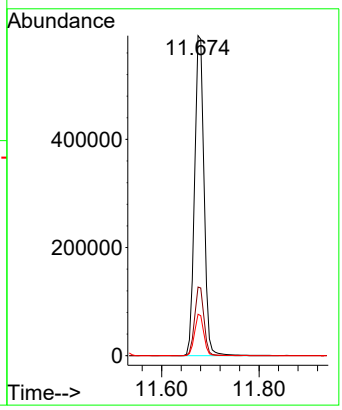


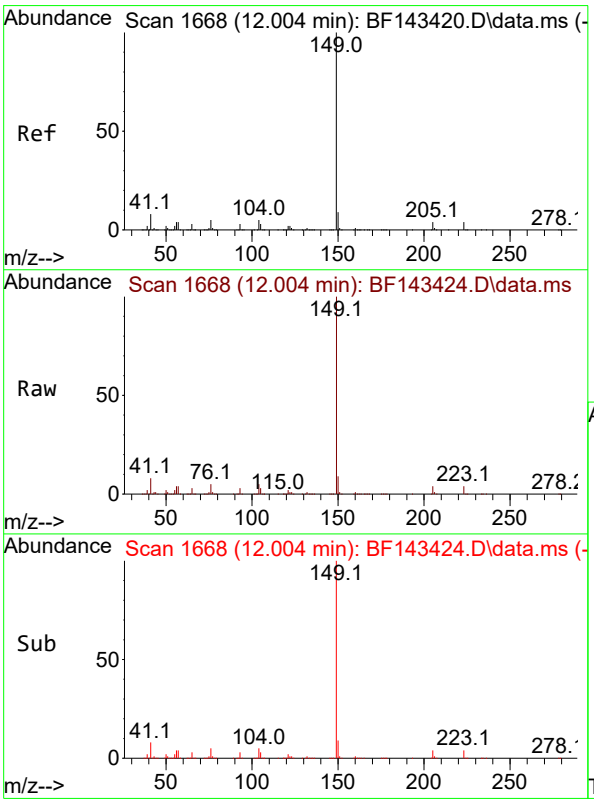
#73
Carbazole
Concen: 39.480 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:167 Resp: 804170

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	13.0	10.1	15.1

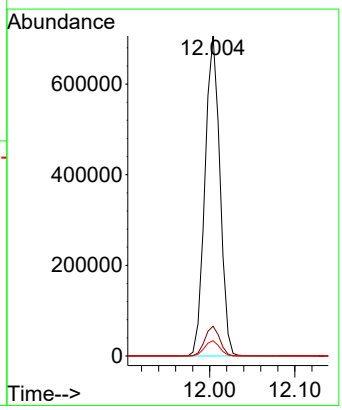


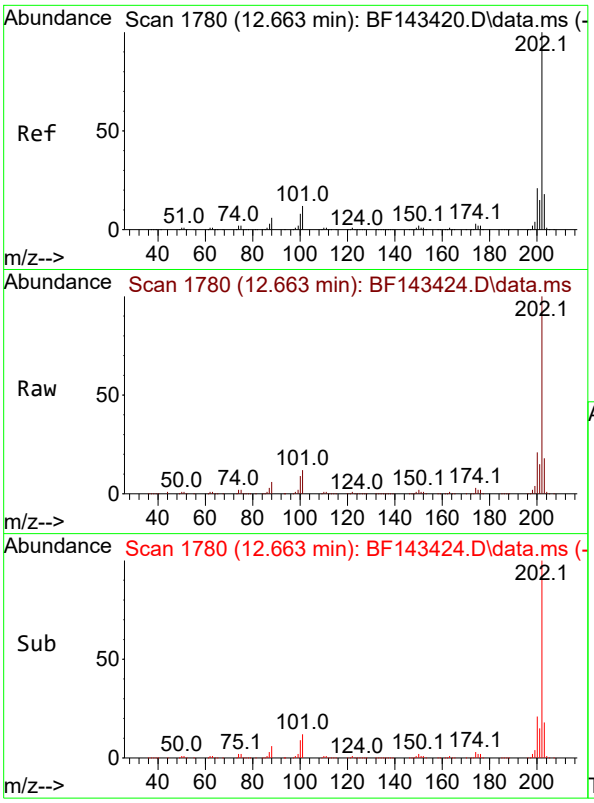


#74
Di-n-butylphthalate
Concen: 42.379 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:149 Resp: 859613

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.8	3.8	5.6



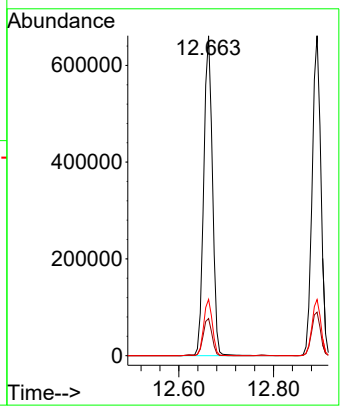


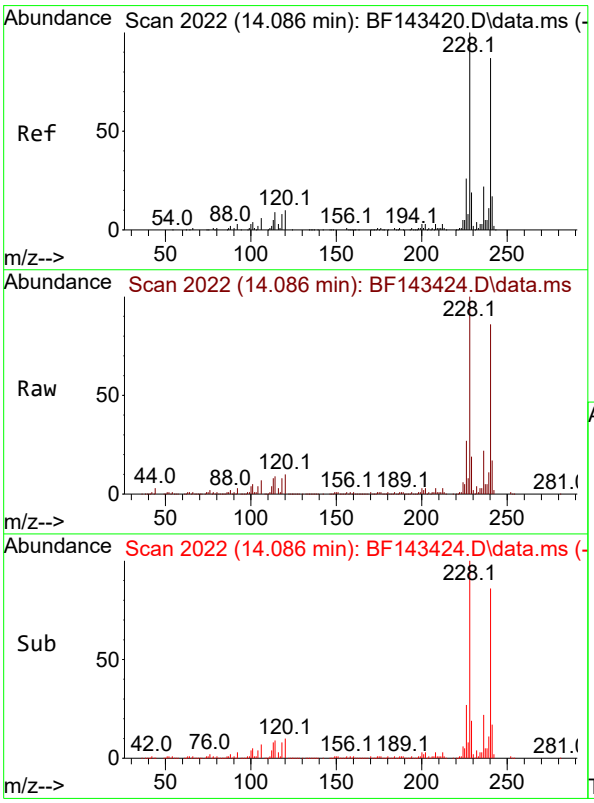
#75
Fluoranthene
Concen: 39.770 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:202 Resp: 842615

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
203	17.6	0.0	37.5

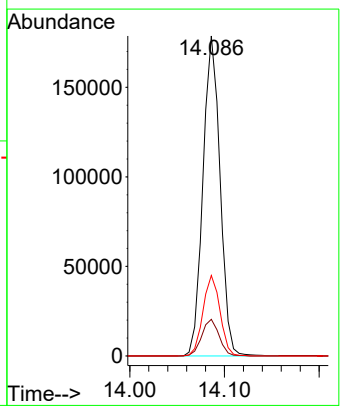


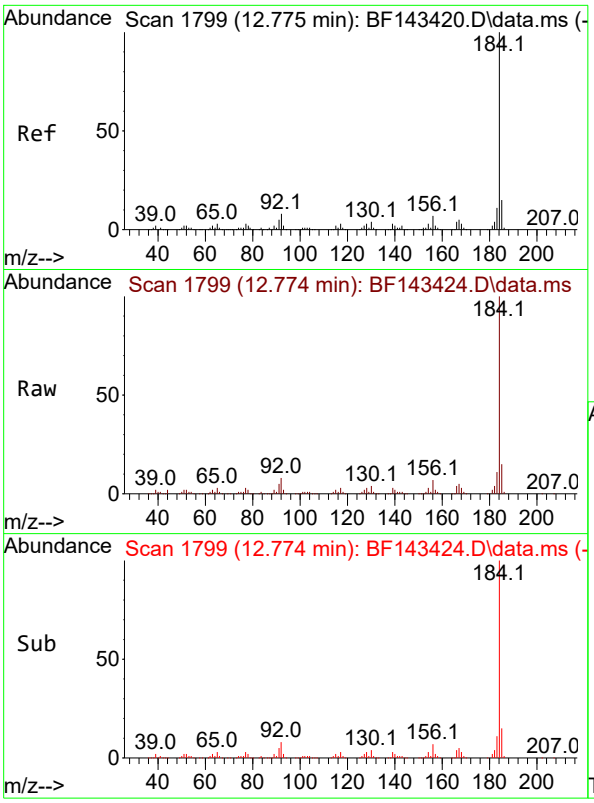


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:240 Resp: 224321

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.0	13.4
236	25.1	20.2	30.2



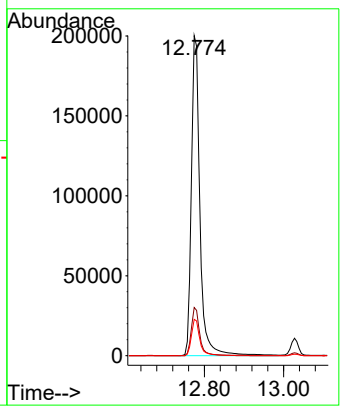


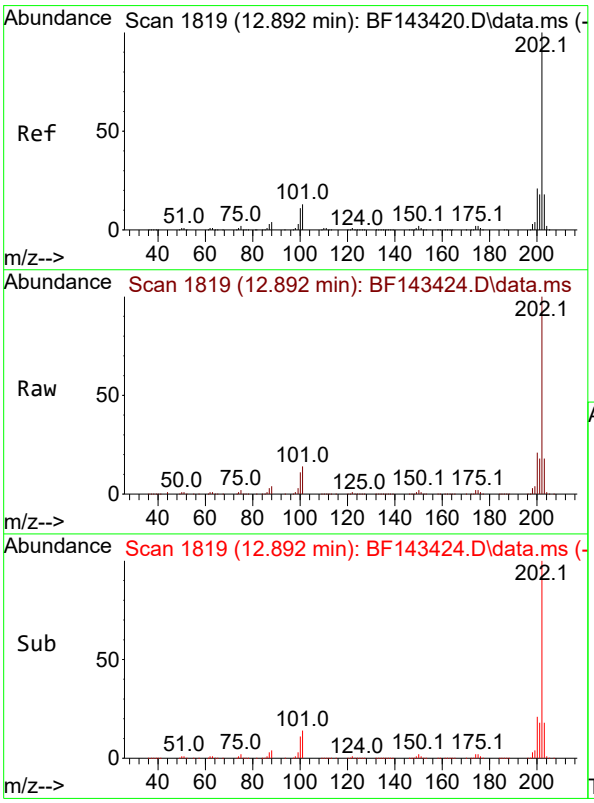
#77
Benzidine
Concen: 47.400 ng
RT: 12.774 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:184 Resp: 301000

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.2	18.2
183	11.4	9.2	13.8

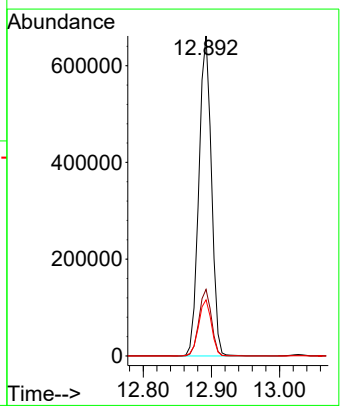


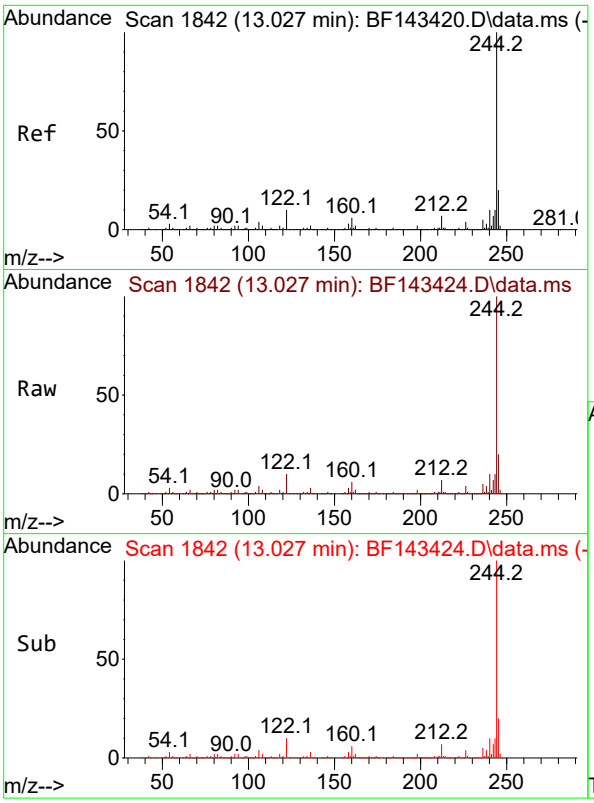


#78
Pyrene
Concen: 43.363 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:202 Resp: 845466

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.1	25.7
203	17.6	14.2	21.2



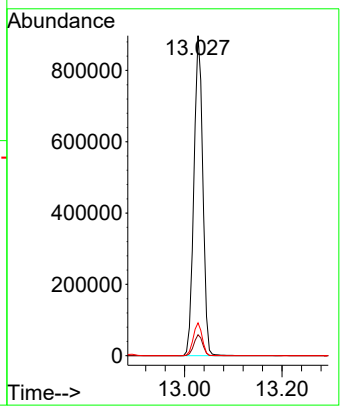


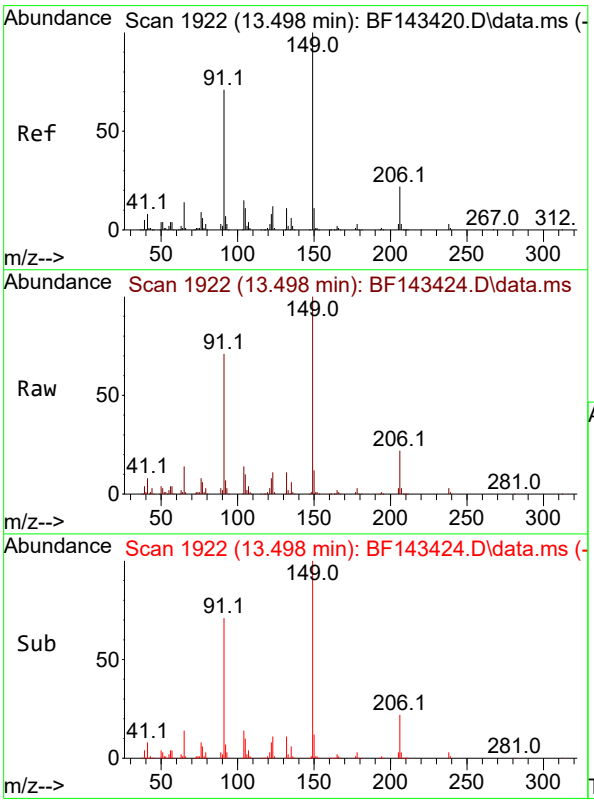
#79
Terphenyl-d14
Concen: 85.853 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:244 Resp: 1146442

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.3	8.3	12.5

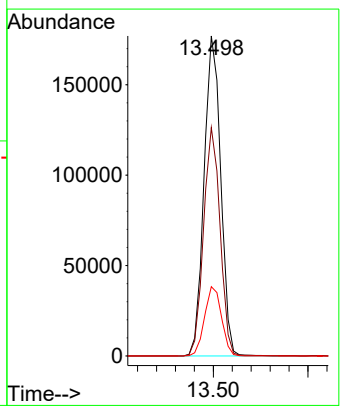


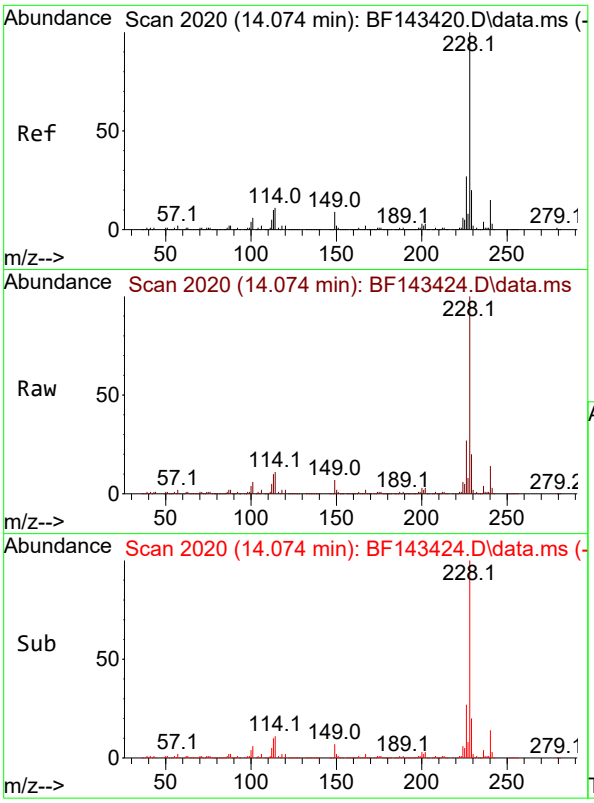


#80
Butylbenzylphthalate
Concen: 44.739 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:149 Resp: 216055

Ion	Ratio	Lower	Upper
149	100		
91	71.3	57.0	85.4
206	21.7	17.6	26.4



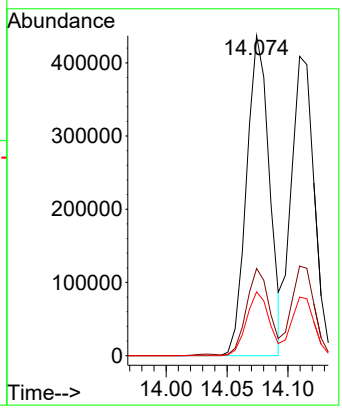


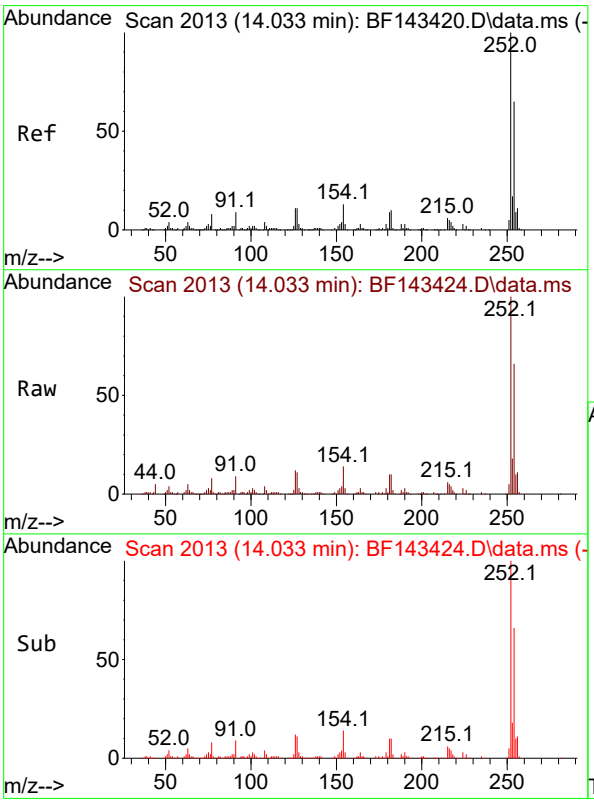
#81
Benzo(a)anthracene
Concen: 39.874 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:228 Resp: 569456

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	19.9	15.7	23.5

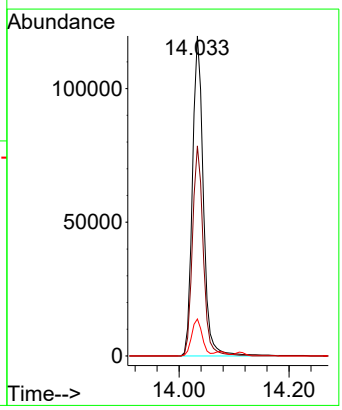


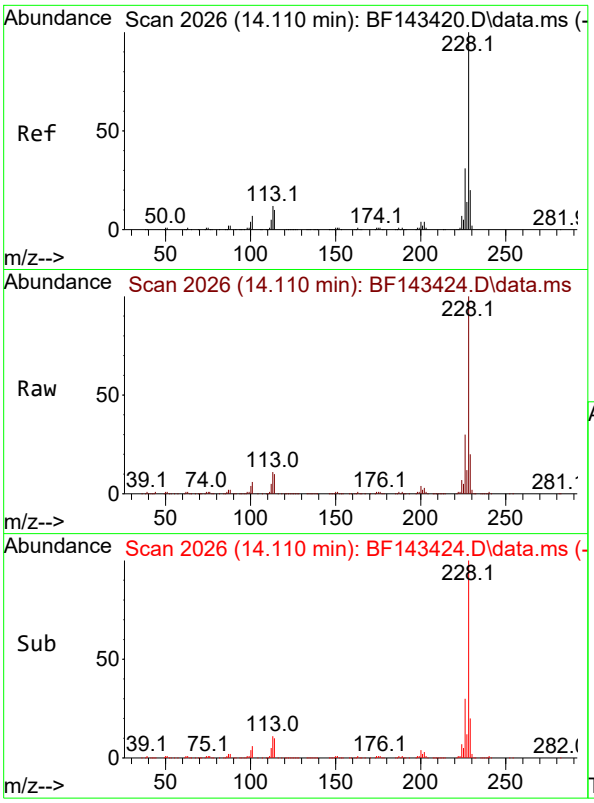


#82
3,3'-Dichlorobenzidine
Concen: 39.390 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:252 Resp: 164709

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.6	77.4
126	11.6	8.8	13.2



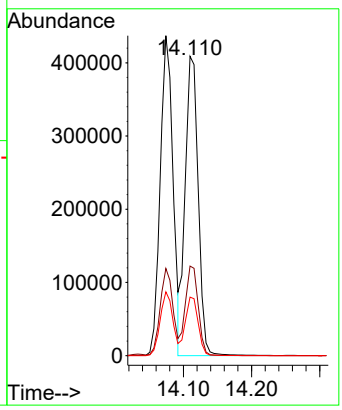


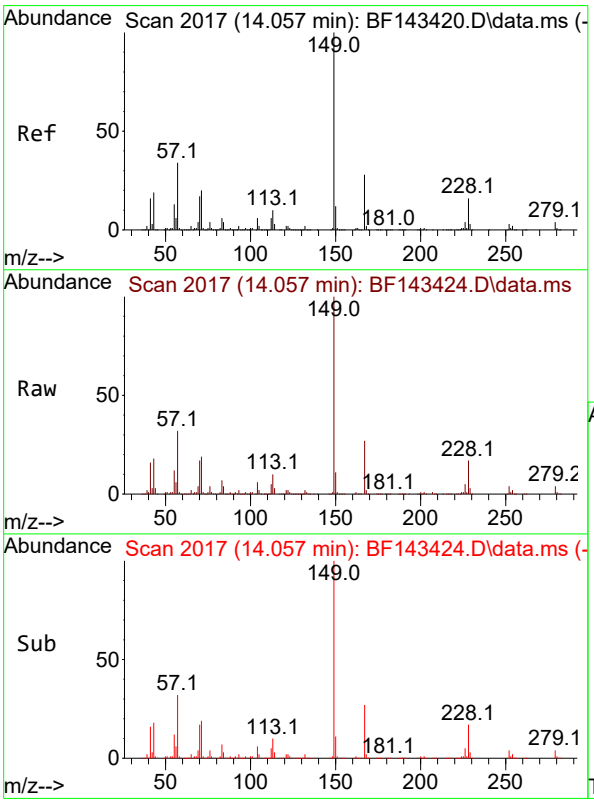
#83
Chrysene
Concen: 40.872 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:228 Resp: 539626

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	19.6	16.1	24.1

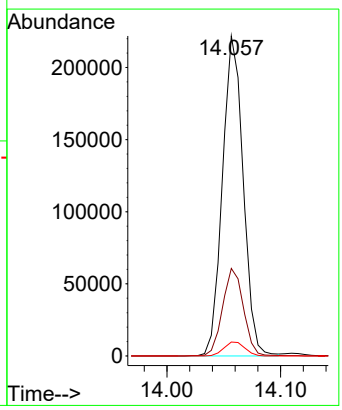


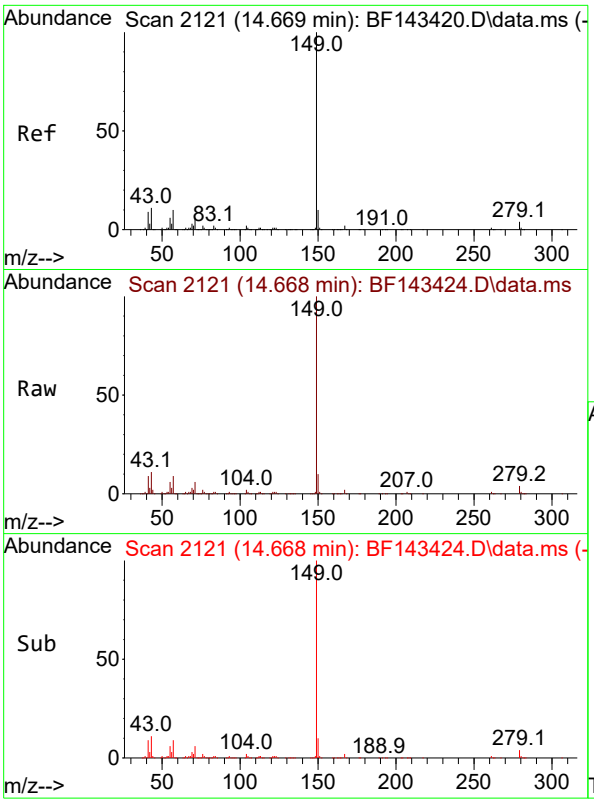


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.151 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:149 Resp: 282227

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.6	33.8
279	4.3	3.5	5.3



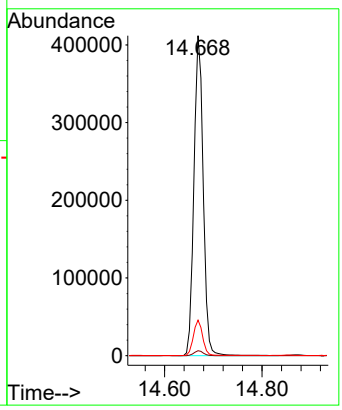


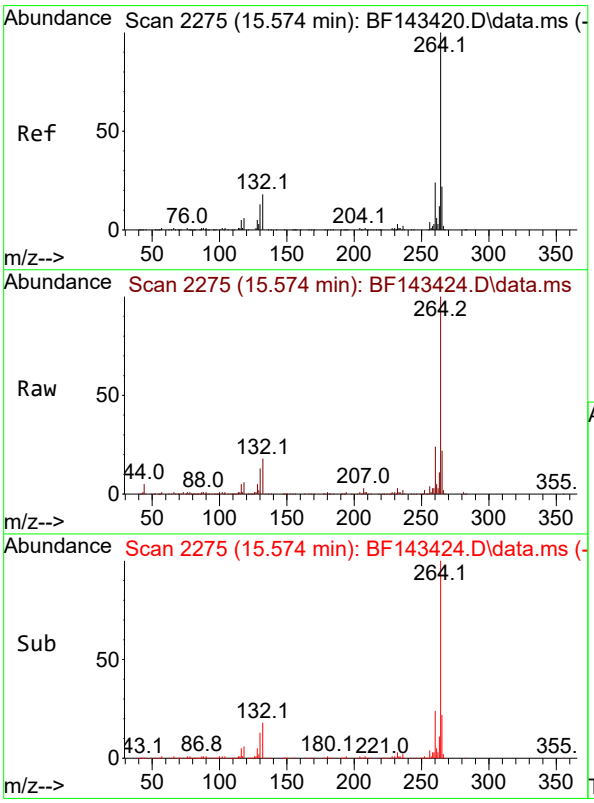
#85
Di-n-octyl phthalate
Concen: 39.276 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:149 Resp: 546335

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.1	9.0	13.6

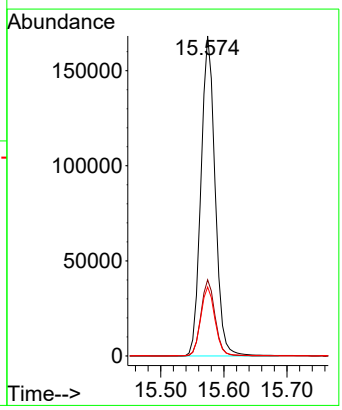


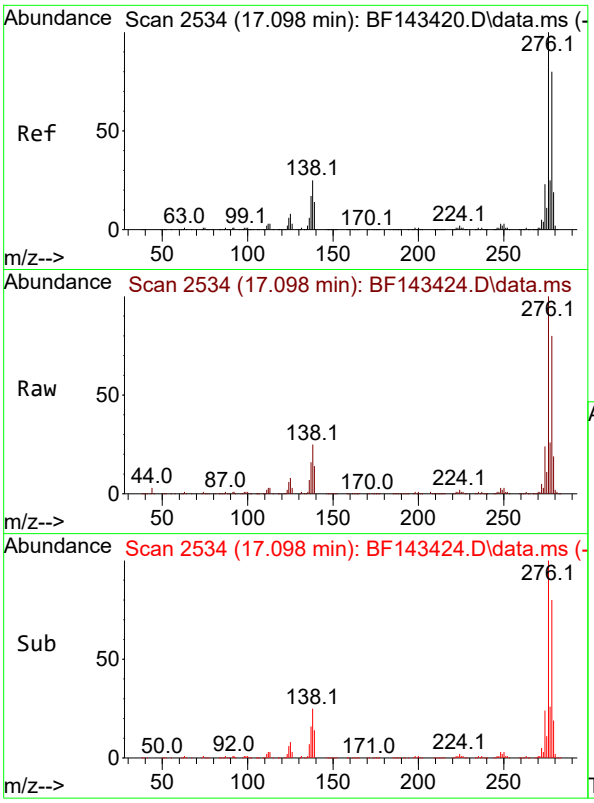


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:264 Resp: 261605

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	21.5	17.4	26.0



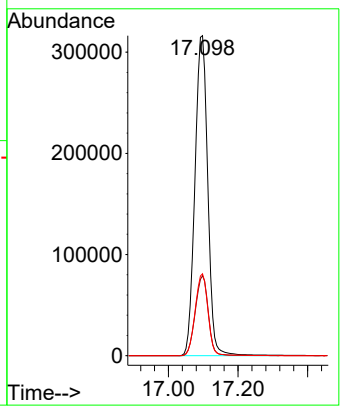


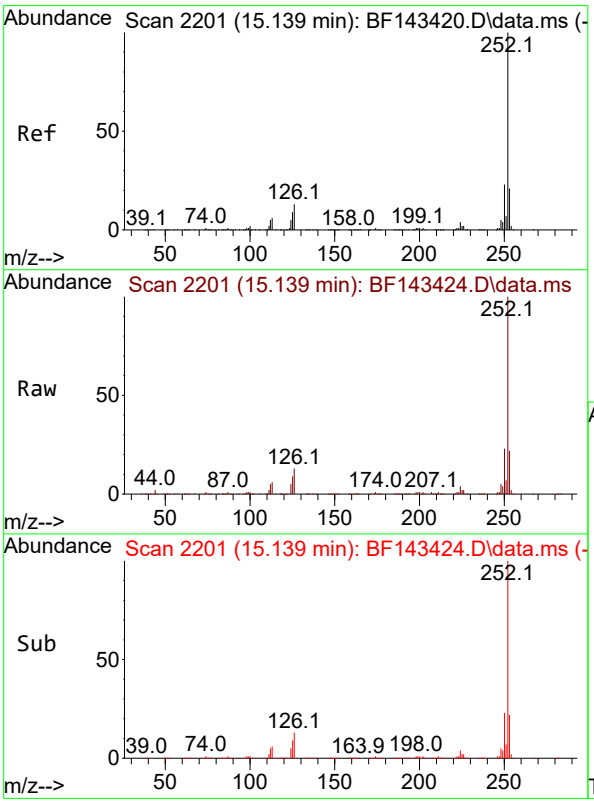
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.292 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:276 Resp: 810056

Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.2	30.4
277	25.5	20.2	30.2

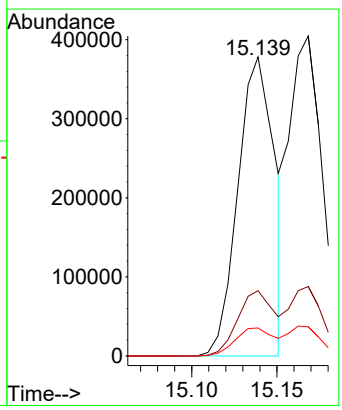


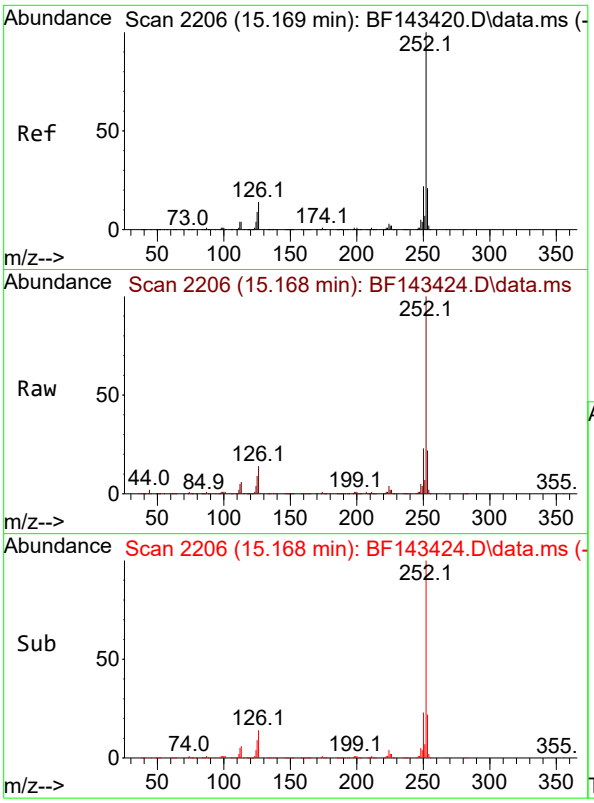


#88
Benzo(b)fluoranthene
Concen: 40.032 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:252 Resp: 561290

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	9.4	7.5	11.3



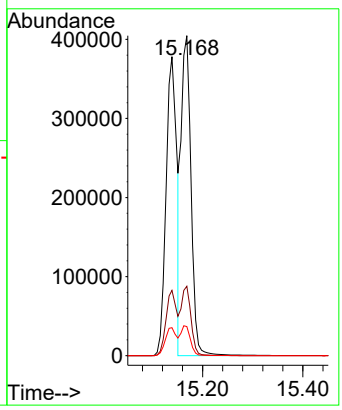


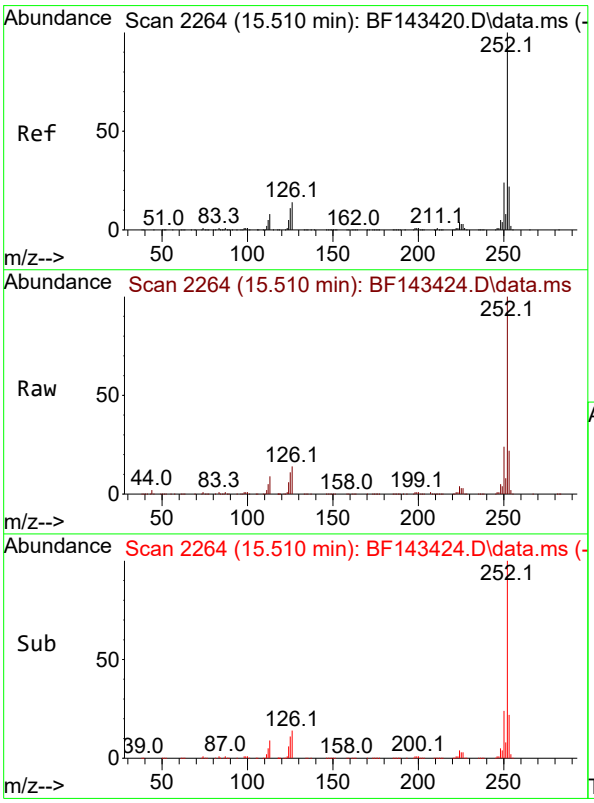
#89
Benzo(k)fluoranthene
Concen: 40.263 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:252 Resp: 556803

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	9.1	7.4	11.2

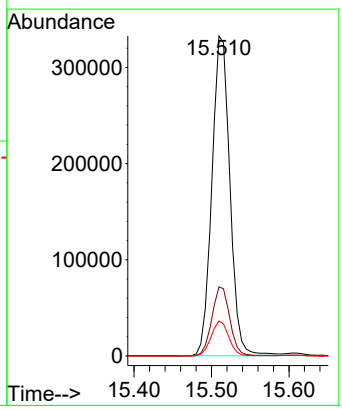


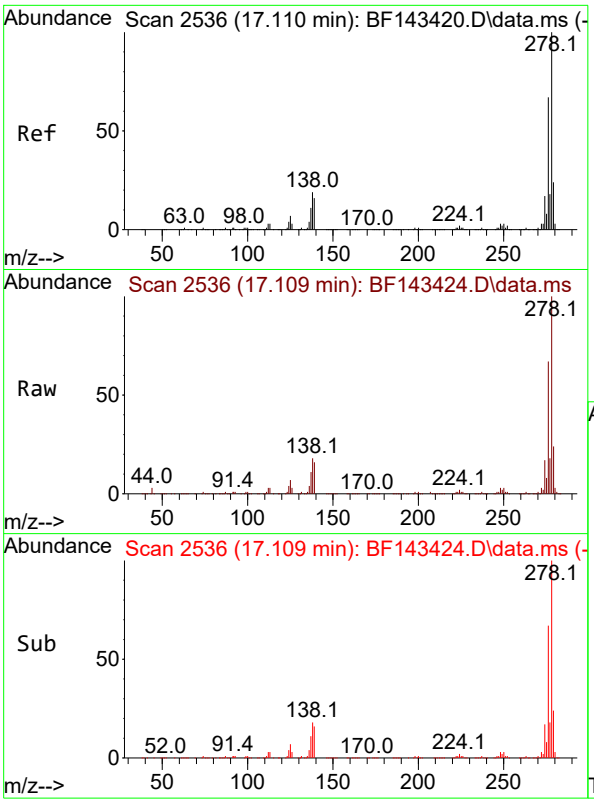


#90
Benzo(a)pyrene
Concen: 40.177 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:252 Resp: 536535

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	11.0	8.6	12.8



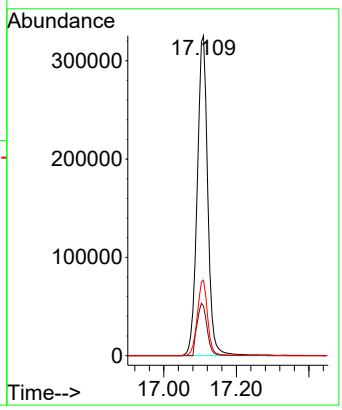


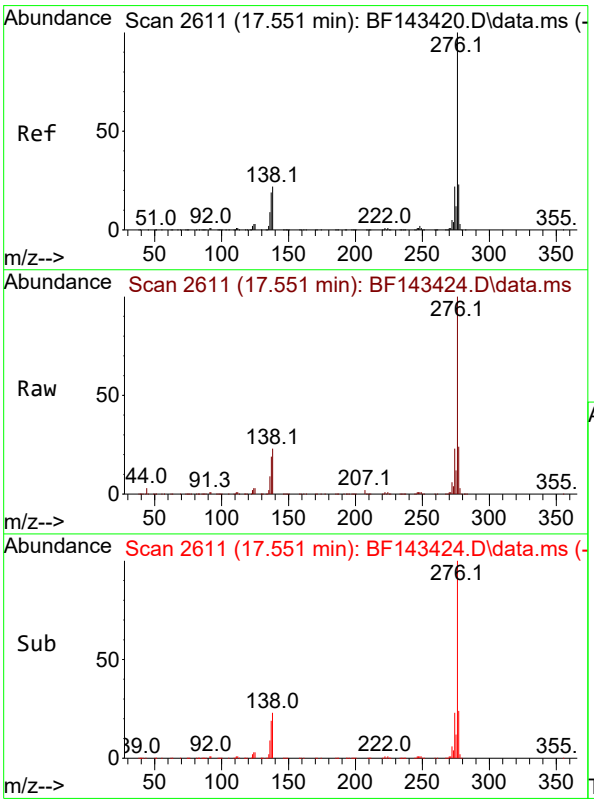
#91
Dibenzo(a,h)anthracene
Concen: 41.699 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:278 Resp: 656933

Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.9	19.3
279	23.6	19.0	28.4

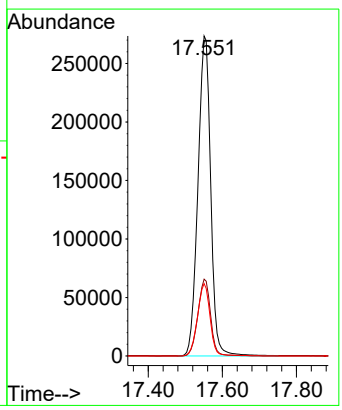




#92
Benzo(g,h,i)perylene
Concen: 41.438 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:276 Resp: 652150

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	22.6	17.5	26.3



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 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	95	0.00
2		1,4-Dioxane	0.554	0.549	0.9	92	-0.02
3		Pyridine	1.453	1.484	-2.1	95	-0.01
4		n-Nitrosodimethylamine	0.675	0.684	-1.3	95	-0.01
5	S	2-Fluorophenol	1.151	1.155	-0.3	96	0.00
6		Aniline	1.968	1.984	-0.8	95	0.00
7	S	Phenol-d6	1.450	1.433	1.2	96	0.00
8		2-Chlorophenol	1.270	1.273	-0.2	97	0.00
9		Benzaldehyde	0.771	0.865	-12.2	112	0.00
10	C	Phenol	1.692	1.715	-1.4	96	0.00
11		bis(2-Chloroethyl)ether	1.254	1.264	-0.8	97	0.00
12		1,3-Dichlorobenzene	1.423	1.413	0.7	96	0.00
13	C	1,4-Dichlorobenzene	1.421	1.408	0.9	96	0.00
14		1,2-Dichlorobenzene	1.357	1.344	1.0	96	0.00
15		Benzyl Alcohol	1.069	1.099	-2.8	97	0.00
16		2,2'-oxybis(1-Chloropropane	2.144	2.139	0.2	97	0.00
17		2-Methylphenol	1.036	1.049	-1.3	97	0.00
18		Hexachloroethane	0.484	0.487	-0.6	97	0.00
19	P	n-Nitroso-di-n-propylamine	0.898	0.885	1.4	97	0.00
20		3+4-Methylphenols	1.239	1.263	-1.9	97	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00
22		Acetophenone	0.430	0.417	3.0	97	0.00
23	S	Nitrobenzene-d5	0.337	0.343	-1.8	98	0.00
24		Nitrobenzene	0.352	0.360	-2.3	98	0.00
25		Isophorone	0.645	0.646	-0.2	99	0.00
26	C	2-Nitrophenol	0.163	0.175	-7.4	100	0.00
27		2,4-Dimethylphenol	0.276	0.273	1.1	98	0.00
28		bis(2-Chloroethoxy)methane	0.397	0.395	0.5	98	0.00
29	C	2,4-Dichlorophenol	0.281	0.284	-1.1	98	0.00
30		1,2,4-Trichlorobenzene	0.288	0.282	2.1	97	0.00
31		Naphthalene	0.950	0.935	1.6	96	0.00
32		Benzoic acid	0.144	0.149	-3.5	101	0.00
33		4-Chloroaniline	0.343	0.348	-1.5	98	0.00
34	C	Hexachlorobutadiene	0.184	0.180	2.2	95	0.00
35		Caprolactam	0.081	0.086	-6.2	104	0.00
36	C	4-Chloro-3-methylphenol	0.290	0.297	-2.4	100	0.00
37		2-Methylnaphthalene	0.640	0.627	2.0	97	0.00
38		1-Methylnaphthalene	0.613	0.607	1.0	99	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.558	0.546	2.2	99	0.00
41	P	Hexachlorocyclopentadiene	0.167	0.187	-12.0	104	0.00
42	S	2,4,6-Tribromophenol	0.178	0.185	-3.9	104	0.00
43	C	2,4,6-Trichlorophenol	0.348	0.355	-2.0	99	0.00
44		2,4,5-Trichlorophenol	0.373	0.385	-3.2	101	0.00
45	S	2-Fluorobiphenyl	1.189	1.138	4.3	100	0.00
46		1,1'-Biphenyl	1.405	1.373	2.3	99	0.00
47		2-Chloronaphthalene	1.109	1.083	2.3	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 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	0.330	0.348	-5.5	103	0.00
49		Acenaphthylene	1.602	1.589	0.8	100	0.00
50		Dimethylphthalate	1.247	1.259	-1.0	103	0.00
51		2,6-Dinitrotoluene	0.246	0.269	-9.3	106	0.00
52	C	Acenaphthene	1.077	1.080	-0.3	103	0.00
53		3-Nitroaniline	0.274	0.295	-7.7	103	0.00
54	P	2,4-Dinitrophenol	0.097	0.111	-14.4	115	0.00
55		Dibenzofuran	1.554	1.516	2.4	99	0.00
56	P	4-Nitrophenol	0.172	0.191	-11.0	106	0.00
57		2,4-Dinitrotoluene	0.328	0.364	-11.0	108	0.00
58		Fluorene	1.194	1.166	2.3	102	0.00
59		2,3,4,6-Tetrachlorophenol	0.282	0.306	-8.5	102	0.00
60		Diethylphthalate	1.152	1.167	-1.3	104	0.00
61		4-Chlorophenyl-phenylether	0.590	0.583	1.2	101	0.00
62		4-Nitroaniline	0.256	0.279	-9.0	106	0.00
63		Azobenzene	1.165	1.169	-0.3	102	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	0.103	0.118	-14.6	116	0.00
66	c	n-Nitrosodiphenylamine	0.650	0.630	3.1	103	0.00
67		4-Bromophenyl-phenylether	0.236	0.234	0.8	104	0.00
68		Hexachlorobenzene	0.251	0.244	2.8	105	0.00
69		Atrazine	0.190	0.201	-5.8	111	0.00
70	C	Pentachlorophenol	0.110	0.120	-9.1	111	0.00
71		Phenanthrene	1.083	1.044	3.6	104	0.00
72		Anthracene	1.094	1.065	2.7	105	0.00
73		Carbazole	0.925	0.913	1.3	107	0.00
74		Di-n-butylphthalate	0.921	0.976	-6.0	115	0.00
75	C	Fluoranthene	0.962	0.957	0.5	113	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	103	0.00
77		Benzidine	0.597	0.671	-12.4	122	0.00
78		Pyrene	1.738	1.885	-8.5	115	0.00
79	S	Terphenyl-d14	1.191	1.278	-7.3	115	0.00
80		Butylbenzylphthalate	0.431	0.482	-11.8	108	0.00
81		Benzo(a)anthracene	1.273	1.269	0.3	104	0.00
82		3,3'-Dichlorobenzidine	0.373	0.367	1.6	96	0.00
83		Chrysene	1.177	1.203	-2.2	104	0.00
84		Bis(2-ethylhexyl)phthalate	0.611	0.629	-2.9	97	0.00
85	c	Di-n-octyl phthalate	1.240	1.218	1.8	95	0.00
86	I	Perylene-d12	1.000	1.000	0.0	93	0.00
87		Indeno(1,2,3-cd)pyrene	1.500	1.548	-3.2	96	0.00
88		Benzo(b)fluoranthene	1.072	1.073	-0.1	91	0.00
89		Benzo(k)fluoranthene	1.057	1.064	-0.7	94	0.00
90	C	Benzo(a)pyrene	1.021	1.025	-0.4	91	0.00
91		Dibenzo(a,h)anthracene	1.204	1.256	-4.3	97	0.00
92		Benzo(g,h,i)perylene	1.203	1.246	-3.6	96	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 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_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 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	95	0.00
2		1,4-Dioxane	40.000	39.659	0.9	92	-0.02
3		Pyridine	40.000	40.863	-2.2	95	-0.01
4		n-Nitrosodimethylamine	40.000	40.523	-1.3	95	-0.01
5	S	2-Fluorophenol	80.000	80.281	-0.4	96	0.00
6		Aniline	40.000	40.314	-0.8	95	0.00
7	S	Phenol-d6	80.000	79.088	1.1	96	0.00
8		2-Chlorophenol	40.000	40.083	-0.2	97	0.00
9		Benzaldehyde	40.000	44.869	-12.2	112	0.00
10	C	Phenol	40.000	40.546	-1.4	96	0.00
11		bis(2-Chloroethyl)ether	40.000	40.305	-0.8	97	0.00
12		1,3-Dichlorobenzene	40.000	39.722	0.7	96	0.00
13	C	1,4-Dichlorobenzene	40.000	39.650	0.9	96	0.00
14		1,2-Dichlorobenzene	40.000	39.612	1.0	96	0.00
15		Benzyl Alcohol	40.000	41.098	-2.7	97	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.909	0.2	97	0.00
17		2-Methylphenol	40.000	40.471	-1.2	97	0.00
18		Hexachloroethane	40.000	40.268	-0.7	97	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.451	1.4	97	0.00
20		3+4-Methylphenols	40.000	40.773	-1.9	97	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	97	0.00
22		Acetophenone	40.000	38.772	3.1	97	0.00
23	S	Nitrobenzene-d5	80.000	81.505	-1.9	98	0.00
24		Nitrobenzene	40.000	40.922	-2.3	98	0.00
25		Isophorone	40.000	40.058	-0.1	99	0.00
26	C	2-Nitrophenol	40.000	42.777	-6.9	100	0.00
27		2,4-Dimethylphenol	40.000	39.609	1.0	98	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.801	0.5	98	0.00
29	C	2,4-Dichlorophenol	40.000	40.367	-0.9	98	0.00
30		1,2,4-Trichlorobenzene	40.000	39.142	2.1	97	0.00
31		Naphthalene	40.000	39.375	1.6	96	0.00
32		Benzoic acid	40.000	41.403	-3.5	101	0.00
33		4-Chloroaniline	40.000	40.630	-1.6	98	0.00
34	C	Hexachlorobutadiene	40.000	39.224	1.9	95	0.00
35		Caprolactam	40.000	42.330	-5.8	104	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.997	-2.5	100	0.00
37		2-Methylnaphthalene	40.000	39.196	2.0	97	0.00
38		1-Methylnaphthalene	40.000	39.623	0.9	99	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.145	2.1	99	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.416	-1.0	104	0.00
42	S	2,4,6-Tribromophenol	80.000	83.344	-4.2	104	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.774	-1.9	99	0.00
44		2,4,5-Trichlorophenol	40.000	41.305	-3.3	101	0.00
45	S	2-Fluorobiphenyl	80.000	76.538	4.3	100	0.00
46		1,1'-Biphenyl	40.000	39.081	2.3	99	0.00
47		2-Chloronaphthalene	40.000	39.058	2.4	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 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	42.141	-5.4	103	0.00
49		Acenaphthylene	40.000	39.677	0.8	100	0.00
50		Dimethylphthalate	40.000	40.394	-1.0	103	0.00
51		2,6-Dinitrotoluene	40.000	43.842	-9.6	106	0.00
52	C	Acenaphthene	40.000	40.115	-0.3	103	0.00
53		3-Nitroaniline	40.000	43.062	-7.7	103	0.00
54	P	2,4-Dinitrophenol	40.000	41.967	-4.9	115	0.00
55		Dibenzofuran	40.000	39.033	2.4	99	0.00
56	P	4-Nitrophenol	40.000	44.464	-11.2	106	0.00
57		2,4-Dinitrotoluene	40.000	44.386	-11.0	108	0.00
58		Fluorene	40.000	39.070	2.3	102	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	43.424	-8.6	102	0.00
60		Diethylphthalate	40.000	40.514	-1.3	104	0.00
61		4-Chlorophenyl-phenylether	40.000	39.533	1.2	101	0.00
62		4-Nitroaniline	40.000	43.604	-9.0	106	0.00
63		Azobenzene	40.000	40.143	-0.4	102	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.779	-14.4	116	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.734	3.2	103	0.00
67		4-Bromophenyl-phenylether	40.000	39.547	1.1	104	0.00
68		Hexachlorobenzene	40.000	38.923	2.7	105	0.00
69		Atrazine	40.000	42.361	-5.9	111	0.00
70	C	Pentachlorophenol	40.000	43.486	-8.7	111	0.00
71		Phenanthrene	40.000	38.568	3.6	104	0.00
72		Anthracene	40.000	38.935	2.7	105	0.00
73		Carbazole	40.000	39.480	1.3	107	0.00
74		Di-n-butylphthalate	40.000	42.379	-5.9	115	0.00
75	C	Fluoranthene	40.000	39.770	0.6	113	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	103	0.00
77		Benzidine	40.000	47.400	-18.5	122	0.00
78		Pyrene	40.000	43.363	-8.4	115	0.00
79	S	Terphenyl-d14	80.000	85.853	-7.3	115	0.00
80		Butylbenzylphthalate	40.000	44.739	-11.8	108	0.00
81		Benzo(a)anthracene	40.000	39.874	0.3	104	0.00
82		3,3'-Dichlorobenzidine	40.000	39.390	1.5	96	0.00
83		Chrysene	40.000	40.872	-2.2	104	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.151	-2.9	97	0.00
85	c	Di-n-octyl phthalate	40.000	39.276	1.8	95	0.00
86	I	Perylene-d12	20.000	20.000	0.0	93	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.292	-3.2	96	0.00
88		Benzo(b)fluoranthene	40.000	40.032	-0.1	91	0.00
89		Benzo(k)fluoranthene	40.000	40.263	-0.7	94	0.00
90	C	Benzo(a)pyrene	40.000	40.177	-0.4	91	0.00
91		Dibenzo(a,h)anthracene	40.000	41.699	-4.2	97	0.00
92		Benzo(g,h,i)perylene	40.000	41.438	-3.6	96	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 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

Raw Data

Alliance TECHNICAL GROUP

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: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_P Calibration Date(s): 08/14/2025 08/14/2025

Calibration Time(s): 12:33 17:24

LAB FILE ID: RRF2.5 = BP025392.D RRF005 = BP025393.D RRF010 = BP025394.D
RRF020 = BP025395.D RRF040 = BP025396.D RRF050 = BP025397.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.446	1.250	1.256	1.220	1.317	1.291	5.8
2-Fluorophenol		1.232	1.177	1.194	1.162	1.240	1.204	2.4
Phenol-d6		1.483	1.467	1.533	1.513	1.641	1.544	4.2
1,4-Dichlorobenzene		1.587	1.490	1.527	1.467	1.596	1.532	3.1
2-Methylphenol		1.075	1.030	1.123	1.107	1.198	1.125	5.4
3+4-Methylphenols			1.442	1.533	1.525	1.639	1.560	4.9
Nitrobenzene-d5		0.395	0.376	0.392	0.383	0.419	0.395	3.7
Hexachloroethane		0.577	0.544	0.552	0.545	0.588	0.563	3.1
Nitrobenzene		0.350	0.342	0.348	0.344	0.375	0.353	3.2
Hexachlorobutadiene		0.222	0.205	0.211	0.205	0.218	0.211	3.1
2,4,6-Trichlorophenol		0.368	0.364	0.381	0.382	0.421	0.390	5.6
2-Fluorobiphenyl		1.558	1.483	1.507	1.392	1.517	1.463	5.0
2,4,5-Trichlorophenol		0.417	0.385	0.424	0.424	0.457	0.427	5.5
2,4-Dinitrotoluene		0.404	0.407	0.431	0.438	0.479	0.440	6.6
2,4,6-Tribromophenol		0.266	0.259	0.267	0.263	0.286	0.269	3.4
Hexachlorobenzene		0.264	0.253	0.254	0.242	0.264	0.255	3.1
Pentachlorophenol			0.135	0.154	0.157	0.177	0.161	9.8
Terphenyl-d14		1.249	1.100	1.097	1.045	1.100	1.093	7.2

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-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025392.D 5 =BP025393.D 10 =BP025394.D 20 =BP025395.D 40 =BP025396.D 50 =BP025397.D 60 =BP025398.D 80 =BP0253
99.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.520	0.464	0.475	0.445	0.479	0.462	0.458	0.472	5.07
3)		Pyridine		1.446	1.250	1.256	1.220	1.317	1.281	1.268	1.291	5.77
4)		n-Nitrosodimet...			0.515	0.512	0.511	0.559	0.555	0.541	0.532	4.13
5)	S	2-Fluorophenol		1.232	1.177	1.194	1.162	1.240	1.226	1.199	1.204	2.42
6)		Aniline		2.098	1.962	2.030	2.020	2.194	2.164	2.094	2.080	3.96
7)	S	Phenol-d6		1.483	1.467	1.533	1.513	1.641	1.609	1.563	1.544	4.16
8)		2-Chlorophenol		1.351	1.283	1.347	1.313	1.428	1.414	1.378	1.359	3.83
9)		Benzaldehyde			0.987	0.956	1.366	1.262	1.005	0.915	1.082	17.12
10)	C	Phenol		1.594	1.529	1.613	1.575	1.707	1.688	1.635	1.620	3.87
11)		bis(2-Chloroet...		1.283	1.183	1.273	1.222	1.321	1.303	1.255	1.263	3.78
12)		1,3-Dichlorobe...		1.532	1.433	1.503	1.443	1.555	1.530	1.493	1.499	3.07
13)	C	1,4-Dichlorobe...		1.587	1.490	1.527	1.467	1.596	1.544	1.510	1.532	3.12
14)		1,2-Dichlorobe...		1.558	1.430	1.491	1.431	1.533	1.487	1.449	1.483	3.35
15)		Benzyl Alcohol			1.138	1.205	1.193	1.287	1.289	1.250	1.227	4.83
16)		2,2'-oxybis(1-...		1.762	1.592	1.712	1.620	1.751	1.740	1.665	1.692	3.96
17)		2-Methylphenol		1.075	1.030	1.123	1.107	1.198	1.191	1.154	1.125	5.41
18)		Hexachloroethane		0.577	0.544	0.552	0.545	0.588	0.578	0.559	0.563	3.13
19)	P	n-Nitroso-di-n...	1.014	1.066	0.959	1.056	0.992	1.053	1.042	1.000	1.023	3.68
20)		3+4-Methylphenols			1.442	1.533	1.525	1.639	1.640	1.580	1.560	4.87
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.515	0.487	0.506	0.485	0.523	0.506	0.488	0.502	2.96
23)	S	Nitrobenzene-d5		0.395	0.376	0.392	0.383	0.419	0.408	0.394	0.395	3.65
24)		Nitrobenzene		0.350	0.342	0.348	0.344	0.375	0.362	0.352	0.353	3.21
25)		Isophorone		0.734	0.672	0.700	0.674	0.730	0.709	0.680	0.700	3.70
26)	C	2-Nitrophenol		0.167	0.163	0.177	0.181	0.197	0.195	0.190	0.181	7.43
27)		2,4-Dimethylph...		0.303	0.303	0.296	0.308	0.336	0.325	0.313	0.312	4.46
28)		bis(2-Chloroet...		0.443	0.407	0.425	0.407	0.439	0.430	0.410	0.423	3.61
29)	C	2,4-Dichloroph...		0.293	0.293	0.308	0.305	0.331	0.324	0.314	0.310	4.71
30)		1,2,4-Trichlor...		0.357	0.329	0.335	0.327	0.354	0.344	0.332	0.340	3.61
31)		Naphthalene		1.069	1.020	1.037	1.000	1.087	1.052	1.011	1.040	3.06
32)		Benzoic acid			0.188	0.207	0.227	0.249	0.255	0.255	0.230	12.20
33)		4-Chloroaniline		0.453	0.435	0.447	0.452	0.492	0.478	0.458	0.459	4.19
34)	C	Hexachlorobuta...		0.222	0.205	0.211	0.205	0.218	0.213	0.207	0.211	3.05
35)		Caprolactam			0.114	0.110	0.109	0.120	0.116	0.113	0.114	3.67
36)	C	4-Chloro-3-met...		0.366	0.335	0.347	0.346	0.373	0.368	0.353	0.355	3.85
37)		2-Methylnaphth...		0.716	0.653	0.678	0.652	0.700	0.682	0.654	0.676	3.69
38)		1-Methylnaphth...		0.777	0.706	0.713	0.686	0.751	0.719	0.685	0.719	4.67

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.578	0.559	0.585	0.560	0.610	0.581	0.571	0.578	3.00
41)	P	Hexachlorocycl...		0.274	0.313	0.348	0.387	0.388	0.383	0.349	13.46
42)	S	2,4,6-Tribromo...	0.266	0.259	0.267	0.263	0.286	0.275	0.268	0.269	3.39
43)	C	2,4,6-Trichlor...	0.368	0.364	0.381	0.382	0.421	0.408	0.405	0.390	5.56
44)		2,4,5-Trichlor...	0.417	0.385	0.424	0.424	0.457	0.448	0.437	0.427	5.52
45)	S	2-Fluorobiphenyl	1.558	1.483	1.507	1.392	1.517	1.435	1.351	1.463	5.04
46)		1,1'-Biphenyl	1.495	1.418	1.457	1.408	1.537	1.445	1.407	1.453	3.37
47)		2-Chloronaphth...	1.152	1.093	1.144	1.101	1.184	1.142	1.100	1.131	2.99
48)		2-Nitroaniline	0.301	0.306	0.317	0.330	0.360	0.351	0.341	0.329	6.85
49)		Acenaphthylene	1.907	1.806	1.848	1.806	1.992	1.907	1.832	1.871	3.63
50)		Dimethylphthalate	1.569	1.449	1.438	1.403	1.512	1.479	1.403	1.465	4.12
51)		2,6-Dinitrotol...	0.297	0.287	0.302	0.309	0.331	0.323	0.311	0.309	4.95
52)	C	Acenaphthene	1.149	1.082	1.100	1.041	1.155	1.106	1.056	1.098	3.93
53)		3-Nitroaniline	0.318	0.329	0.337	0.342	0.384	0.367	0.354	0.347	6.56
54)	P	2,4-Dinitrophenol		0.114	0.140	0.163	0.186	0.192	0.194	0.165	19.83
55)		Dibenzofuran	1.820	1.711	1.737	1.677	1.811	1.729	1.672	1.736	3.40
56)	P	4-Nitrophenol		0.251	0.265	0.279	0.315	0.304	0.298	0.285	8.56
57)		2,4-Dinitrotol...	0.404	0.407	0.431	0.438	0.479	0.471	0.454	0.440	6.61
58)		Fluorene	1.506	1.391	1.390	1.306	1.415	1.330	1.253	1.370	6.02
59)		2,3,4,6-Tetrac...	0.375	0.360	0.366	0.368	0.402	0.392	0.379	0.377	4.01
60)		Diethylphthalate	1.615	1.475	1.465	1.434	1.540	1.459	1.430	1.488	4.48
61)		4-Chlorophenyl...	0.761	0.684	0.679	0.651	0.690	0.671	0.634	0.681	5.91
62)		4-Nitroaniline	0.341	0.336	0.349	0.351	0.387	0.370	0.359	0.356	4.89
63)		Azobenzene	1.315	1.226	1.274	1.237	1.341	1.301	1.227	1.274	3.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.096	0.113	0.123	0.139	0.139	0.138	0.125	14.21
66)	c	n-Nitrosodiphe...	0.636	0.603	0.607	0.591	0.634	0.605	0.594	0.610	2.99
67)		4-Bromophenyl-...	0.233	0.206	0.217	0.213	0.230	0.223	0.218	0.220	4.34
68)		Hexachlorobenzene	0.264	0.253	0.254	0.242	0.264	0.257	0.251	0.255	3.06
69)		Atrazine	0.229	0.226	0.228	0.218	0.240	0.229	0.229	0.228	2.74
70)	C	Pentachlorophenol		0.135	0.154	0.157	0.177	0.171	0.172	0.161	9.76
71)		Phenanthrene	1.162	1.101	1.111	1.040	1.135	1.085	1.057	1.099	3.88
72)		Anthracene	1.161	1.124	1.133	1.079	1.175	1.101	1.080	1.122	3.37
73)		Carbazole	1.079	1.052	1.074	1.007	1.111	1.053	1.022	1.057	3.32
74)		Di-n-butylphth...	1.345	1.255	1.332	1.244	1.374	1.285	1.265	1.300	3.86
75)	C	Fluoranthene	1.370	1.323	1.348	1.228	1.361	1.286	1.258	1.311	4.13
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.642	0.642	0.967	0.664	0.608	0.573	0.683	20.94
78)		Pyrene	1.398	1.261	1.287	1.274	1.320	1.319	1.241	1.300	4.00
79)	S	Terphenyl-d14	1.249	1.100	1.097	1.045	1.100	1.061	0.999	1.093	7.15
80)		Butylbenzylpht...	0.589	0.557	0.592	0.579	0.614	0.616	0.578	0.589	3.55
81)		Benzo(a)anthra...	1.384	1.302	1.313	1.268	1.359	1.333	1.275	1.319	3.21
82)		3,3'-Dichlorob...		0.482	0.507	0.488	0.521	0.506	0.480	0.497	3.31
83)		Chrysene	1.292	1.214	1.249	1.182	1.280	1.243	1.186	1.235	3.49
84)		Bis(2-ethylhex...	0.907	0.826	0.874	0.831	0.901	0.882	0.850	0.867	3.73
85)	c	Di-n-octyl pht...		1.381	1.498	1.444	1.572	1.563	1.491	1.492	4.84

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.454	1.385	1.440	1.411	1.569	1.522	1.486	1.467	4.36
88)		Benzo(b)fluora...	1.203	1.126	1.171	1.134	1.250	1.197	1.175	1.179	3.60
89)		Benzo(k)fluora...	1.202	1.157	1.200	1.130	1.226	1.206	1.141	1.180	3.16
90)	C	Benzo(a)pyrene	1.139	1.093	1.150	1.108	1.219	1.185	1.141	1.148	3.77
91)		Dibenzo(a,h)an...	1.180	1.125	1.179	1.156	1.290	1.244	1.216	1.199	4.64
92)		Benzo(g,h,i)pe...	1.162	1.118	1.169	1.138	1.248	1.220	1.192	1.178	3.86

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025392.D
Acq On : 14 Aug 2025 12:33
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 14 17:51:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	140275	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	567766	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	380728	20.000	ng	0.01
64) Phenanthrene-d10	17.213	188	796256	20.000	ng	0.01
76) Chrysene-d12	21.660	240	884747	20.000	ng	0.01
86) Perylene-d12	25.042	264	1005304	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...	8.584	70	17781	2.476	ng	99

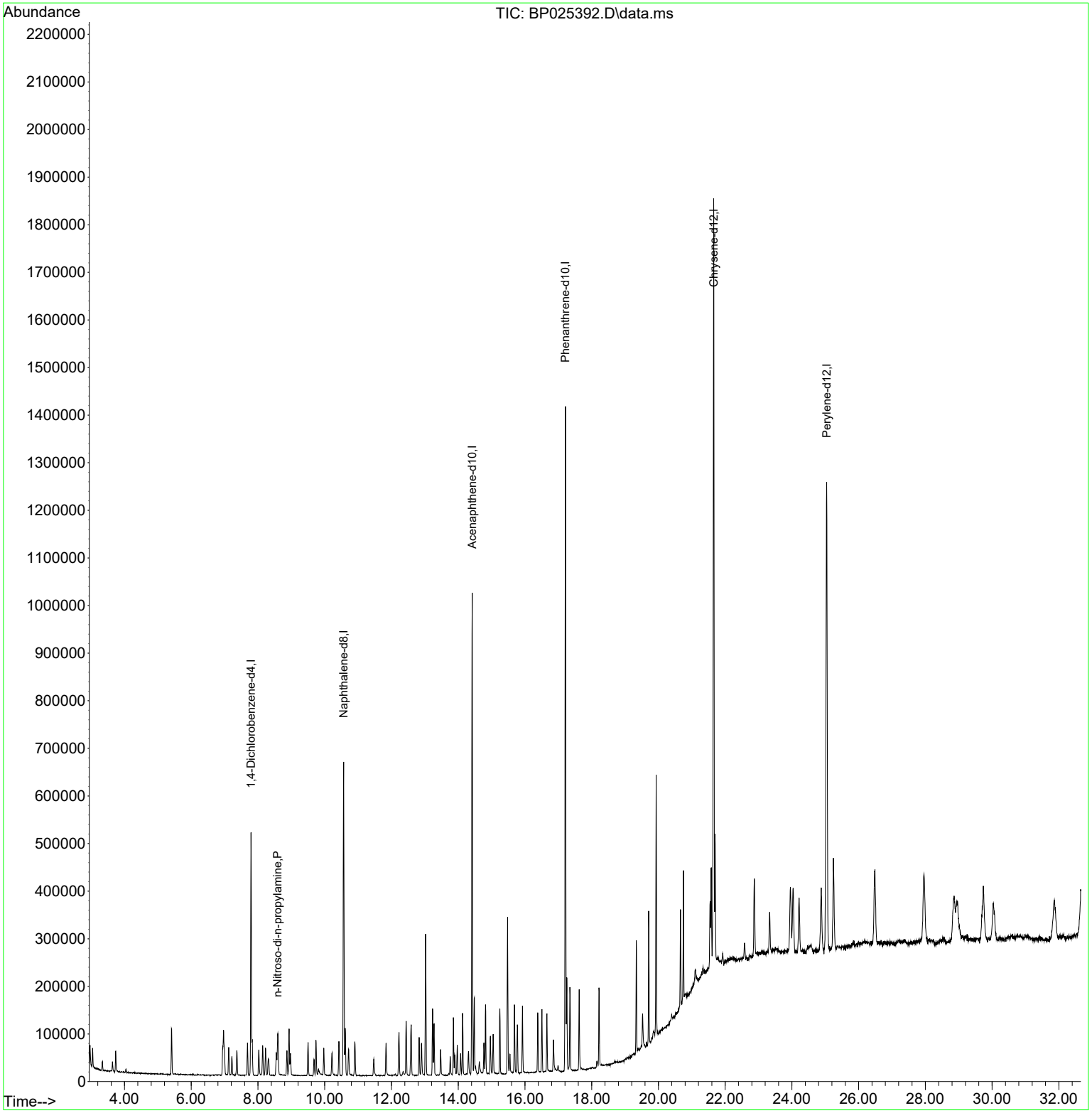
(#) = qualifier out of range (m) = manual integration (+) = signals summed

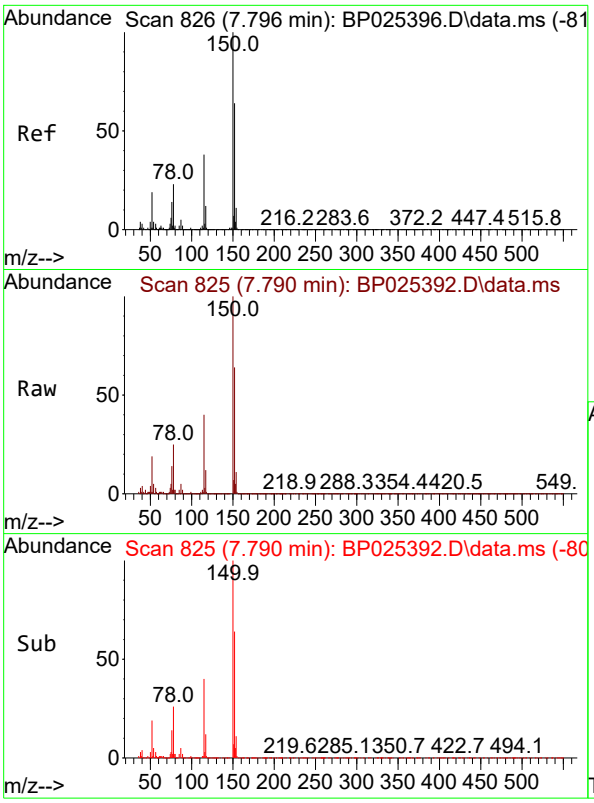
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025392.D
Acq On : 14 Aug 2025 12:33
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 14 17:51:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



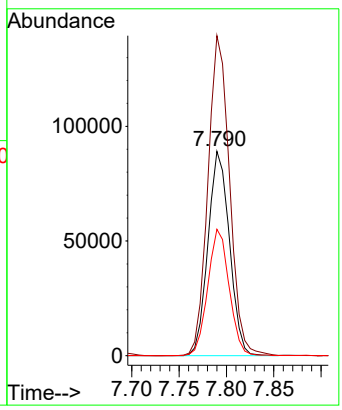


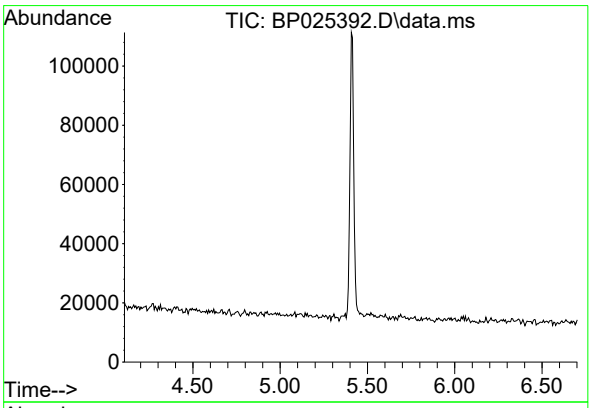
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 140275

Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.9	188.9
115	61.9	48.5	72.7



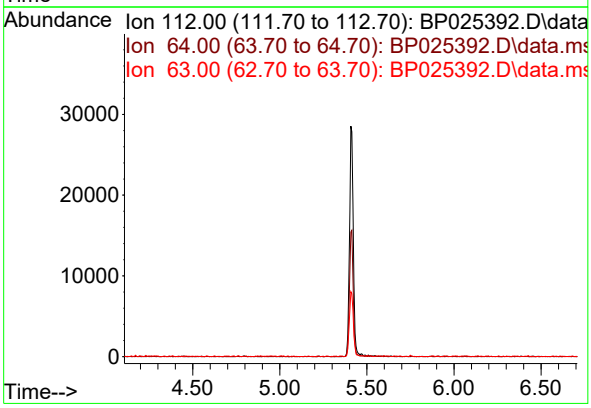


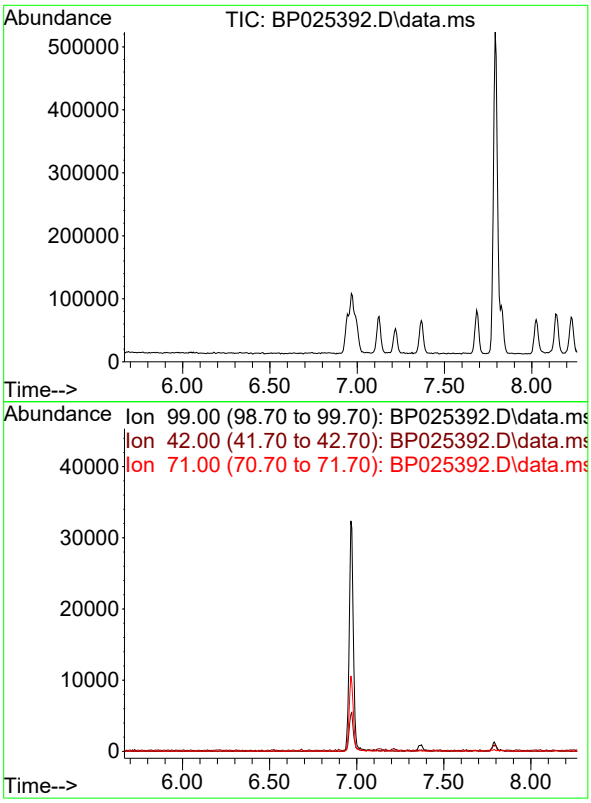
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	54.8
63	28.4





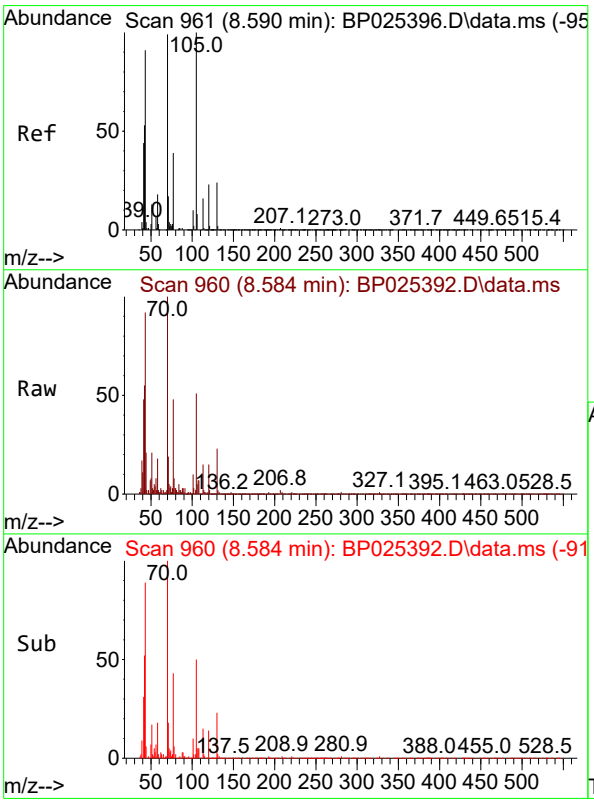
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.97 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

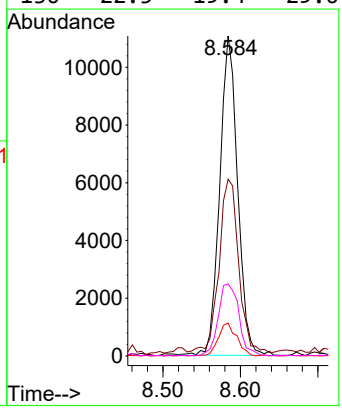
Sig	Exp Ratio
99	100
42	17.1
71	35.3

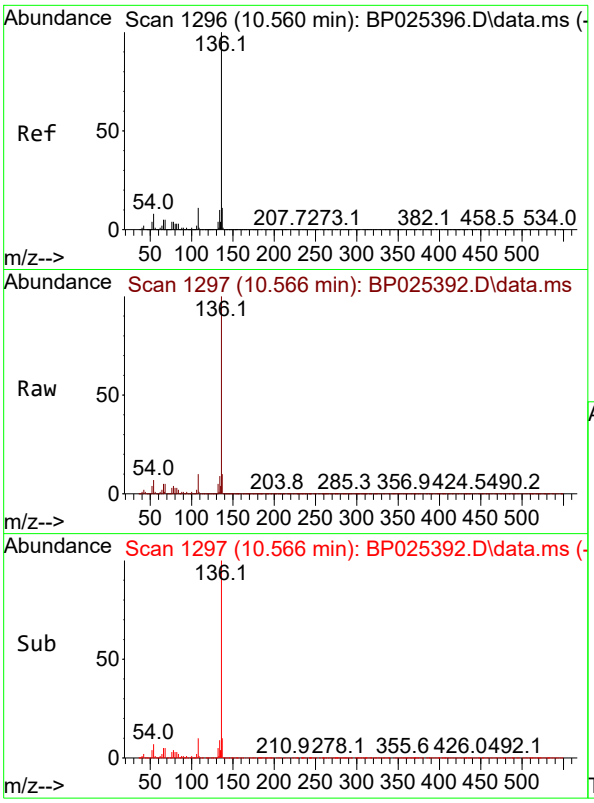


#19
n-Nitroso-di-n-propylamine
Concen: 2.476 ng
RT: 8.584 min Scan# 960
Delta R.T. -0.006 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 70 Resp: 17781

Ion	Ratio	Lower	Upper
70	100		
42	55.2	43.8	65.6
101	10.3	8.5	12.7
130	22.5	19.4	29.0



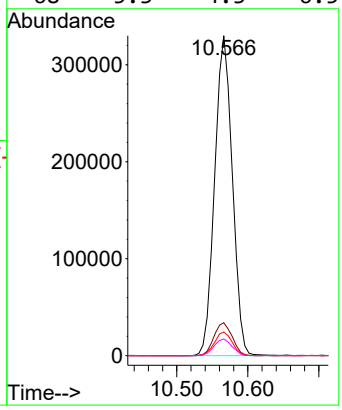


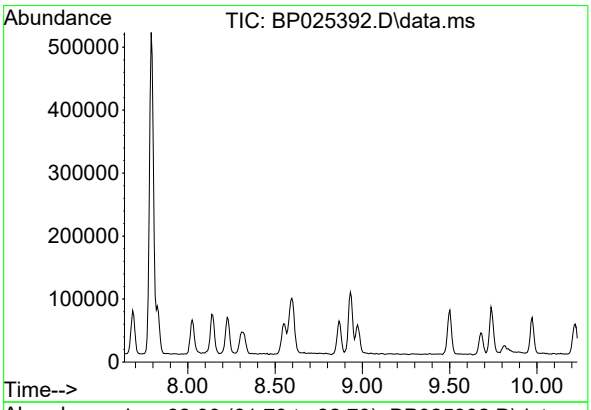
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 567766

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	7.4	6.0	9.0
68	5.3	4.3	6.5



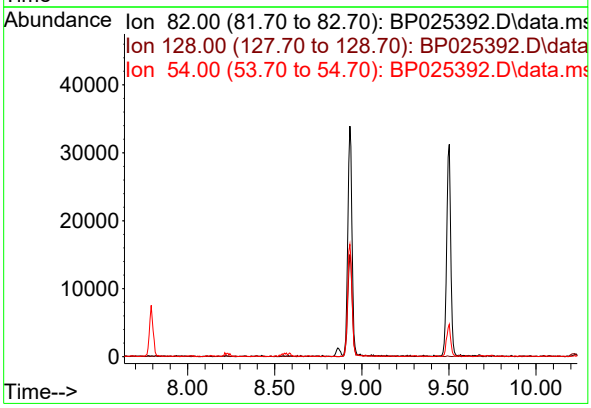


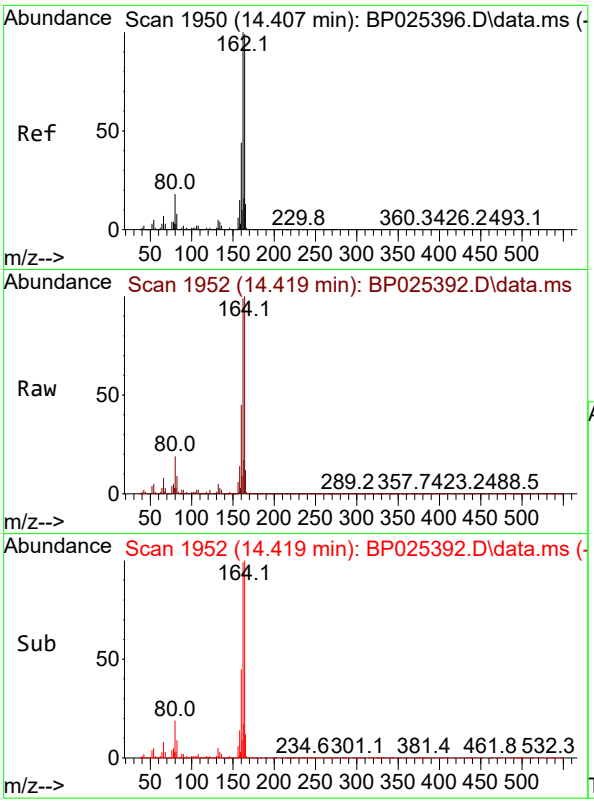
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.94 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	47.1
54	49.7



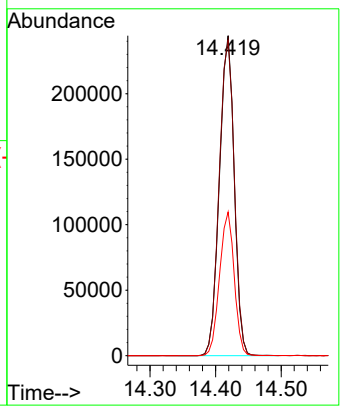


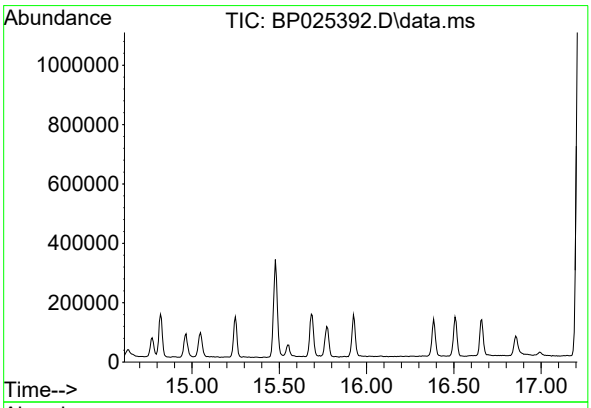
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 380728

Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.0	121.6
160	44.9	35.4	53.2



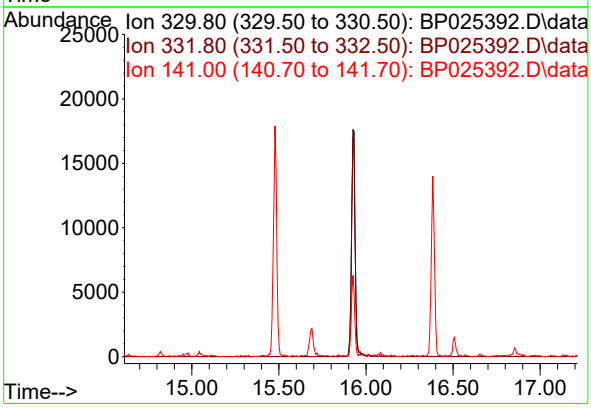


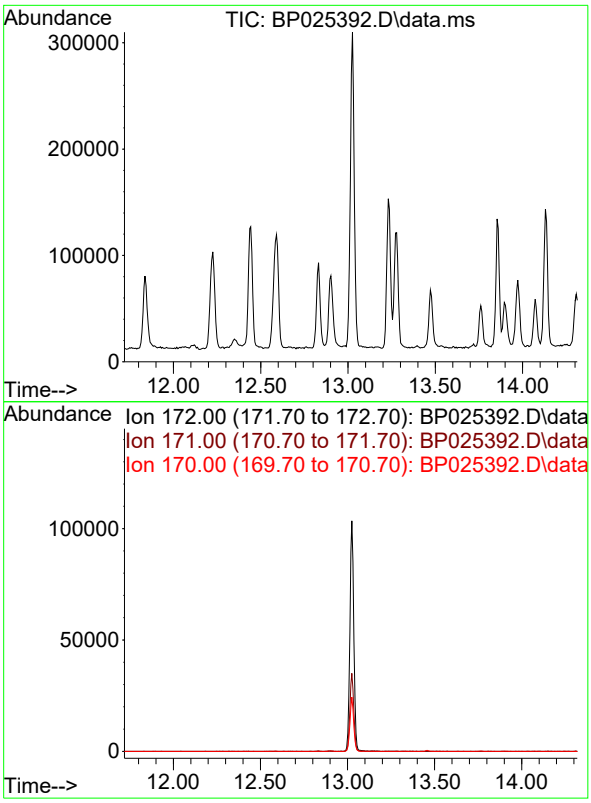
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.91 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.6
141	33.2





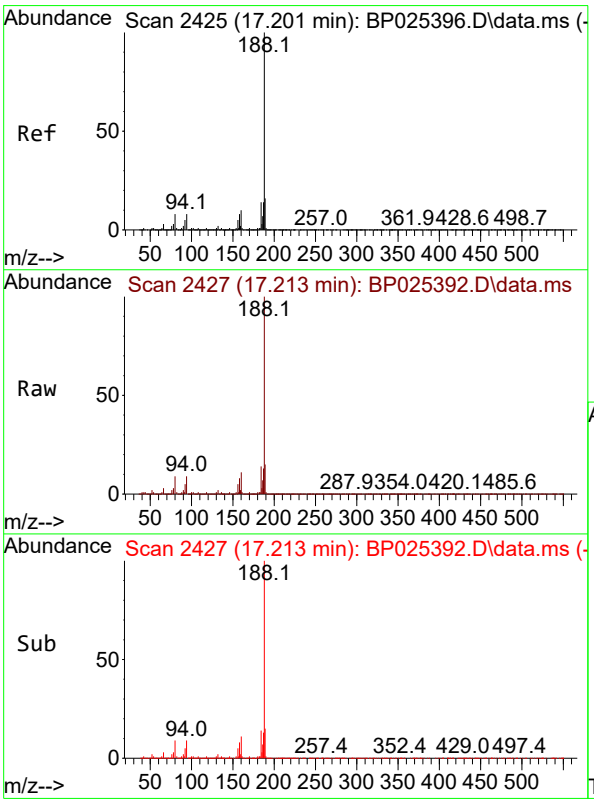
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.02 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

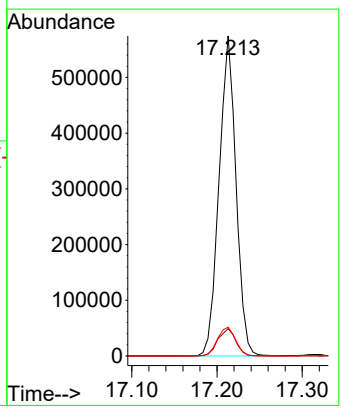
Sig	Exp Ratio
172	100
171	35.1
170	23.3

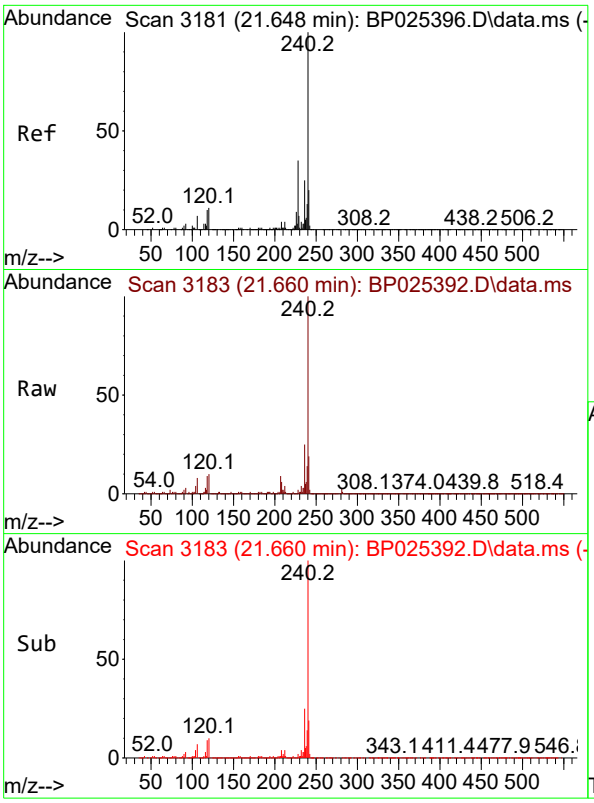


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion:188 Resp: 796256

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.0	6.7	10.1



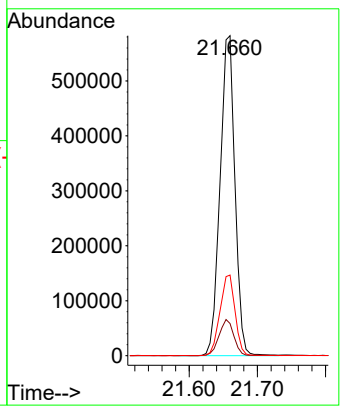


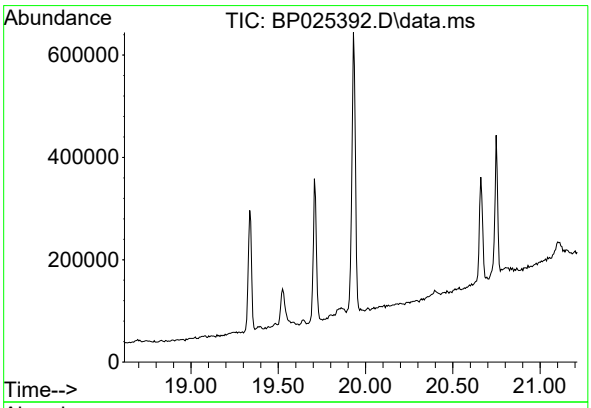
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 884747

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.9	13.3
236	25.2	19.8	29.8



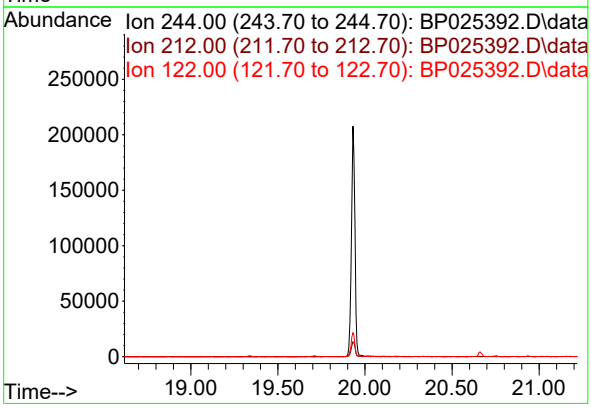


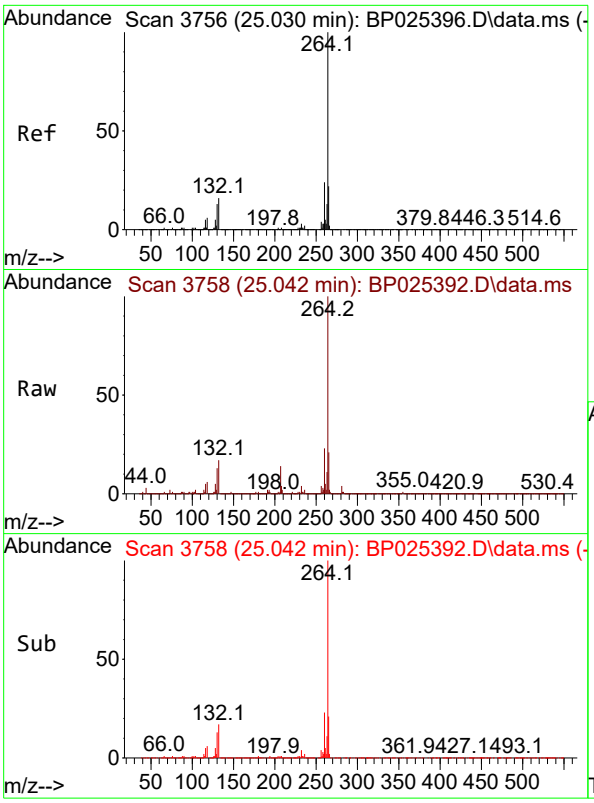
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.92 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.2
122	9.3



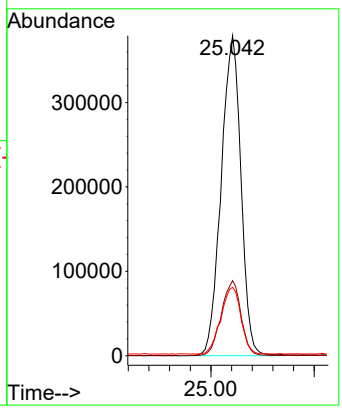


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1005304

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.3	28.9
265	21.4	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025393.D
Acq On : 14 Aug 2025 13:15
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:52:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	130958	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	551384	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	392376	20.000	ng		0.00
64) Phenanthrene-d10	17.207	188	816331	20.000	ng		0.00
76) Chrysene-d12	21.654	240	858165	20.000	ng		0.00
86) Perylene-d12	25.036	264	963881	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	80645	10.227	ng		0.00
7) Phenol-d6	6.966	99	97106	9.605	ng		0.00
23) Nitrobenzene-d5	8.931	82	108814	9.983	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	52188	9.881	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	305742	10.649	ng		0.00
79) Terphenyl-d14	19.925	244	536049	11.428	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	17016	5.509	ng		95
3) Pyridine	3.731	79	47347	5.600	ng		95
6) Aniline	7.119	93	68694	5.043	ng		100
8) 2-Chlorophenol	7.366	128	44217	4.969	ng		98
10) Phenol	6.990	94	52186	4.919	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	41995	5.079	ng		98
12) 1,3-Dichlorobenzene	7.684	146	50146	5.111	ng		96
13) 1,4-Dichlorobenzene	7.825	146	51948	5.180	ng		97
14) 1,2-Dichlorobenzene	8.143	146	50995	5.253	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.313	45	57686	5.208	ng		98
17) 2-Methylphenol	8.225	107	35186	4.776	ng		96
18) Hexachloroethane	8.866	117	18905	5.127	ng		99
19) n-Nitroso-di-n-propyla...	8.584	70	34898	5.205	ng		95
22) Acetophenone	8.602	105	70986	5.134	ng	#	96
24) Nitrobenzene	8.972	77	48234	4.951	ng		99
25) Isophorone	9.496	82	101112	5.242	ng		98
26) 2-Nitrophenol	9.678	139	23020	4.605	ng		95
27) 2,4-Dimethylphenol	9.737	122	41790	4.861	ng		99
28) bis(2-Chloroethoxy)met...	9.972	93	61017	5.233	ng		98
29) 2,4-Dichlorophenol	10.213	162	40336	4.723	ng		94
30) 1,2,4-Trichlorobenzene	10.425	180	49237	5.259	ng		97
31) Naphthalene	10.613	128	147346	5.141	ng		99
33) 4-Chloroaniline	10.713	127	62452	4.933	ng		96
34) Hexachlorobutadiene	10.902	225	30559	5.241	ng		95
36) 4-Chloro-3-methylphenol	11.837	107	50515	5.154	ng		91
37) 2-Methylnaphthalene	12.219	142	98648	5.289	ng		97
38) 1-Methylnaphthalene	12.437	142	107044	5.397	ng		97
40) 1,2,4,5-Tetrachloroben...	12.590	216	56676	5.001	ng		100
43) 2,4,6-Trichlorophenol	12.831	196	36093	4.718	ng		95
44) 2,4,5-Trichlorophenol	12.901	196	40875	4.875	ng		95
46) 1,1'-Biphenyl	13.237	154	146651	5.146	ng		98
47) 2-Chloronaphthalene	13.272	162	113015	5.094	ng		99
48) 2-Nitroaniline	13.466	65	29527	4.568	ng		98
49) Acenaphthylene	14.125	152	187026	5.095	ng		99
50) Dimethylphthalate	13.860	163	153868	5.355	ng		99
51) 2,6-Dinitrotoluene	13.966	165	29088	4.803	ng		94

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025393.D
Acq On : 14 Aug 2025 13:15
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:52:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.472	154	112730m	5.232	ng	
53) 3-Nitroaniline	14.301	138	31224	4.583	ng	85
55) Dibenzofuran	14.813	168	178494	5.240	ng	99
57) 2,4-Dinitrotoluene	14.760	165	39658	4.590	ng	94
58) Fluorene	15.472	166	147760	5.497	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.037	232	36779	4.968	ng	99
60) Diethylphthalate	15.237	149	158426	5.426	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	74636	5.583	ng	99
62) 4-Nitroaniline	15.478	138	33466	4.791	ng	90
63) Azobenzene	15.760	77	128978	5.159	ng	99
66) n-Nitrosodiphenylamine	15.678	169	129805	5.214	ng	97
67) 4-Bromophenyl-phenylether	16.378	248	47579	5.299	ng	98
68) Hexachlorobenzene	16.501	284	53940	5.183	ng	98
69) Atrazine	16.648	200	46750	5.015	ng	96
71) Phenanthrene	17.248	178	237107	5.287	ng	98
72) Anthracene	17.342	178	236938	5.174	ng	99
73) Carbazole	17.619	167	220112	5.103	ng	98
74) Di-n-butylphthalate	18.231	149	274467	5.172	ng	99
75) Fluoranthene	19.336	202	279497	5.225	ng	99
78) Pyrene	19.713	202	299922	5.377	ng	98
80) Butylbenzylphthalate	20.654	149	126321	4.997	ng	99
81) Benzo(a)anthracene	21.636	228	296847	5.245	ng	100
83) Chrysene	21.701	228	277175	5.229	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	194541	5.228	ng	97
87) Indeno(1,2,3-cd)pyrene	28.865	276	350414	4.956	ng	98
88) Benzo(b)fluoranthene	23.960	252	289797	5.099	ng	99
89) Benzo(k)fluoranthene	24.042	252	289556	5.091	ng	98
90) Benzo(a)pyrene	24.877	252	274440	4.960	ng	99
91) Dibenzo(a,h)anthracene	28.942	278	284440	4.924	ng	100
92) Benzo(g,h,i)perylene	30.036	276	279987	4.931	ng	97

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

ICAL Form

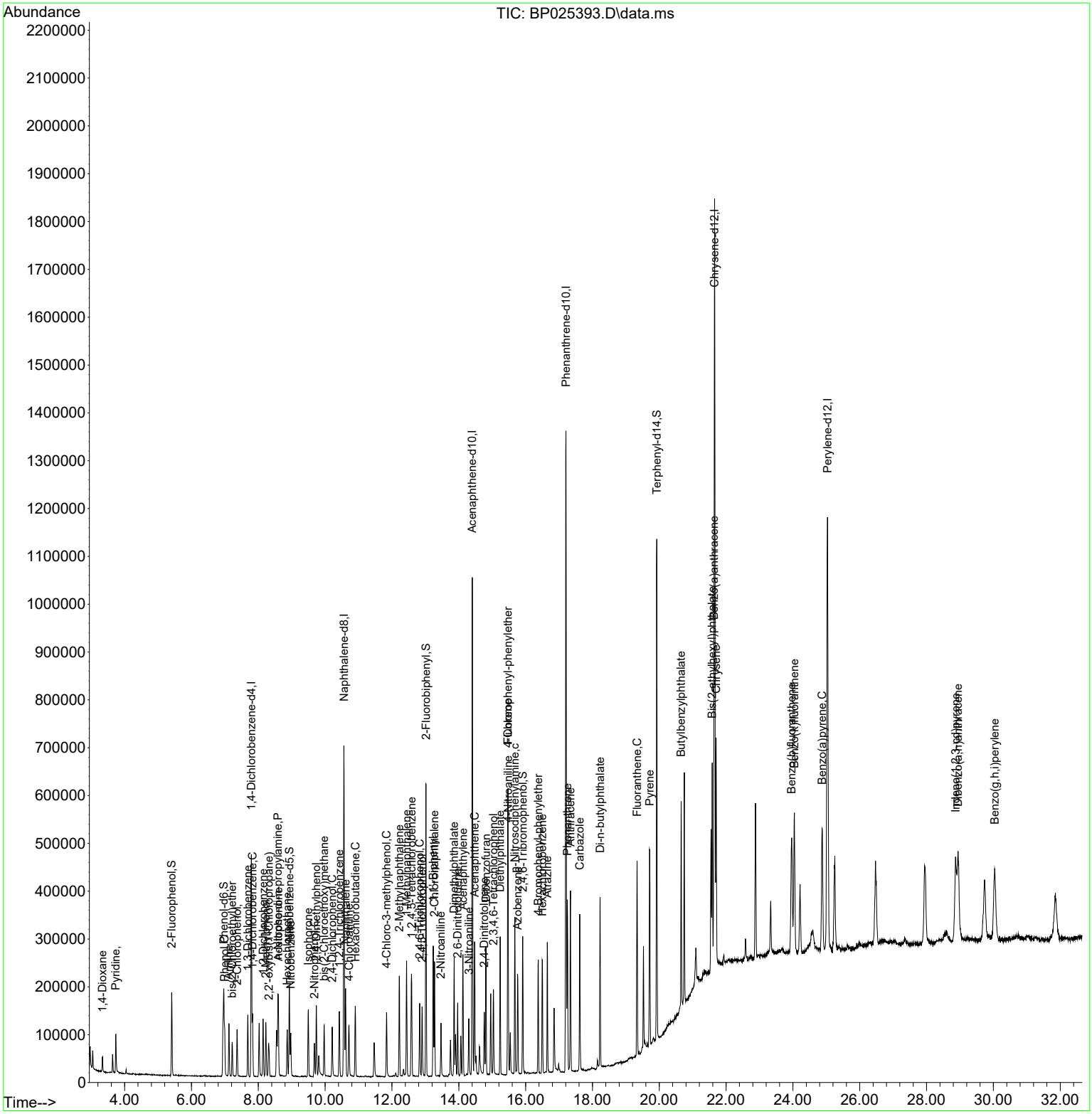
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025393.D
Acq On : 14 Aug 2025 13:15
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

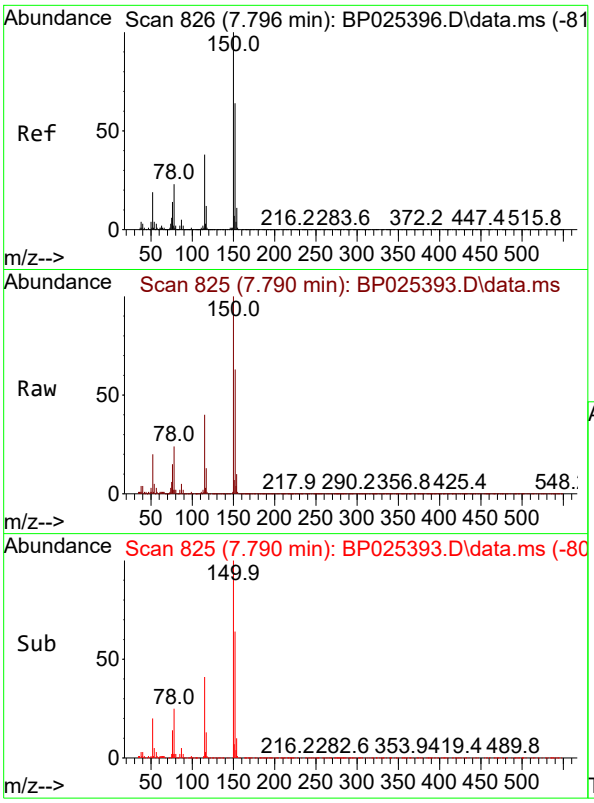
Quant Time: Aug 14 17:52:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

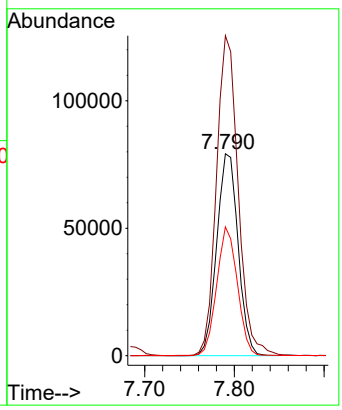




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:152 Resp: 13095

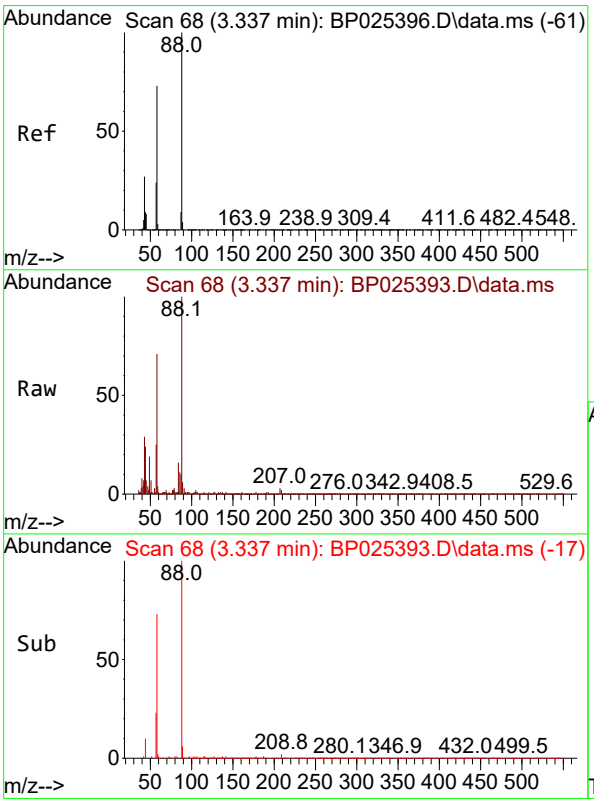
Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.9	188.9
115	63.8	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

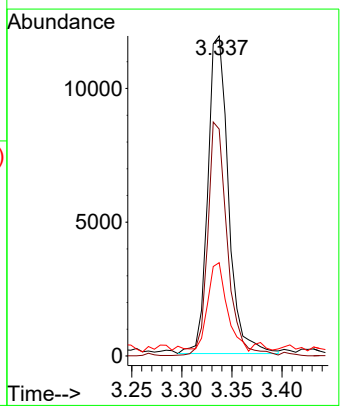
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

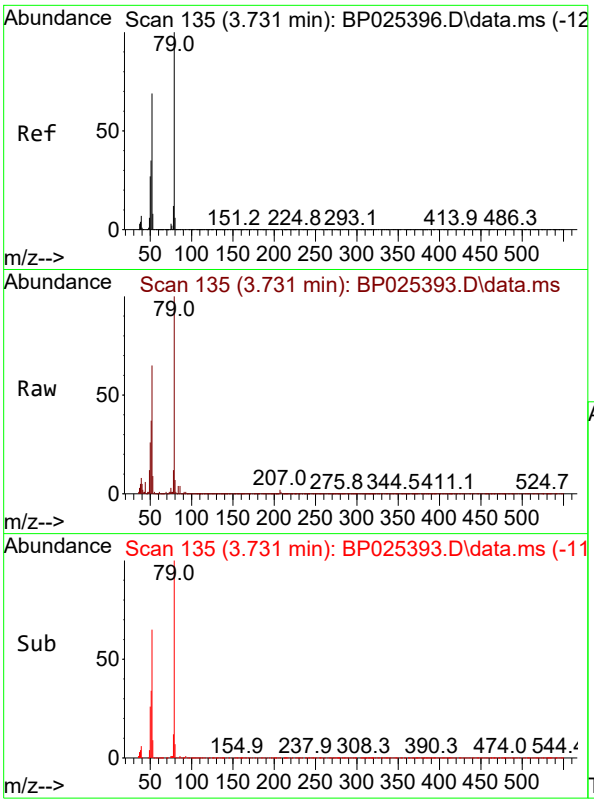


#2
1,4-Dioxane
Concen: 5.509 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 88 Resp: 17016

Ion	Ratio	Lower	Upper
88	100		
58	69.1	59.2	88.8
43	26.1	21.7	32.5

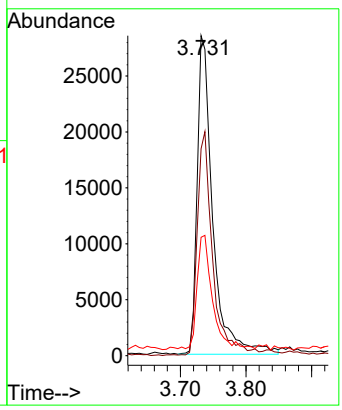




#3
Pyridine
Concen: 5.600 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 79 Resp: 4734

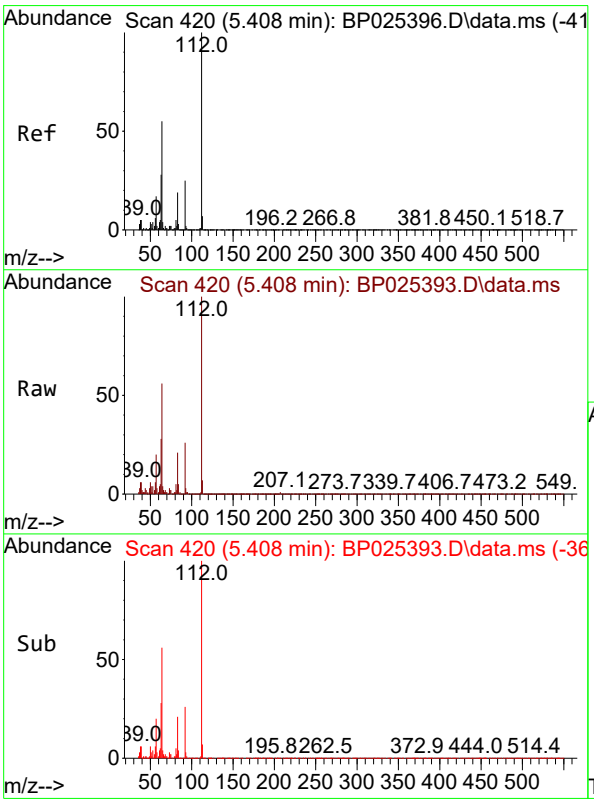
Ion	Ratio	Lower	Upper
79	100		
52	64.7	55.5	83.3
51	37.0	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

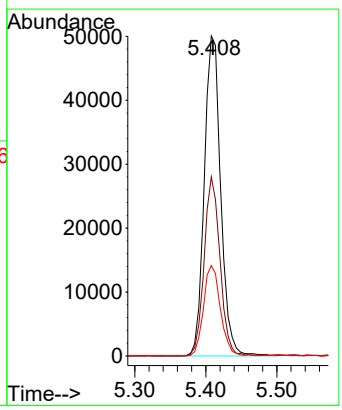
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

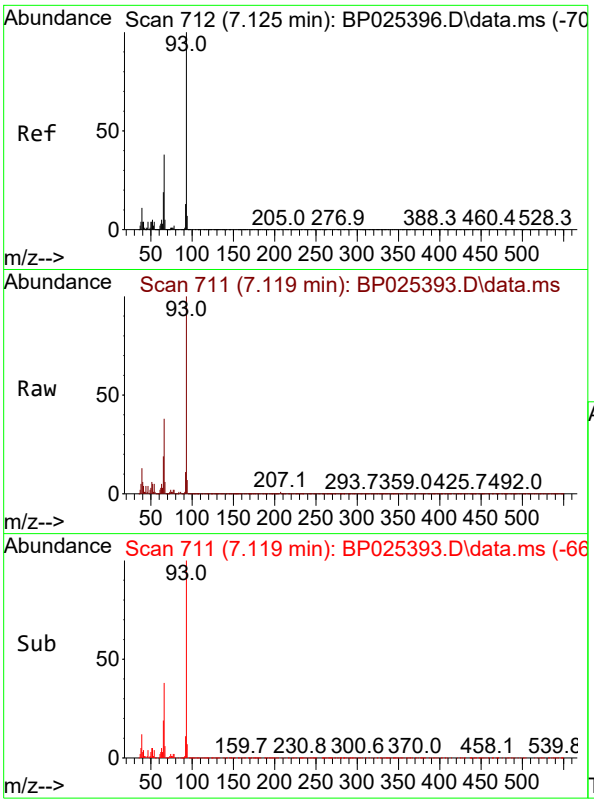


#5
2-Fluorophenol
Concen: 10.227 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:112 Resp: 80645

Ion	Ratio	Lower	Upper
112	100		
64	55.9	43.8	65.8
63	28.3	22.7	34.1

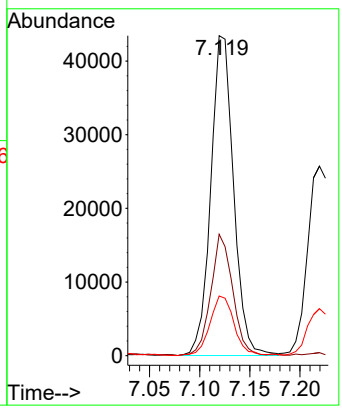




#6
Aniline
Concen: 5.043 ng
RT: 7.119 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 93 Resp: 6869

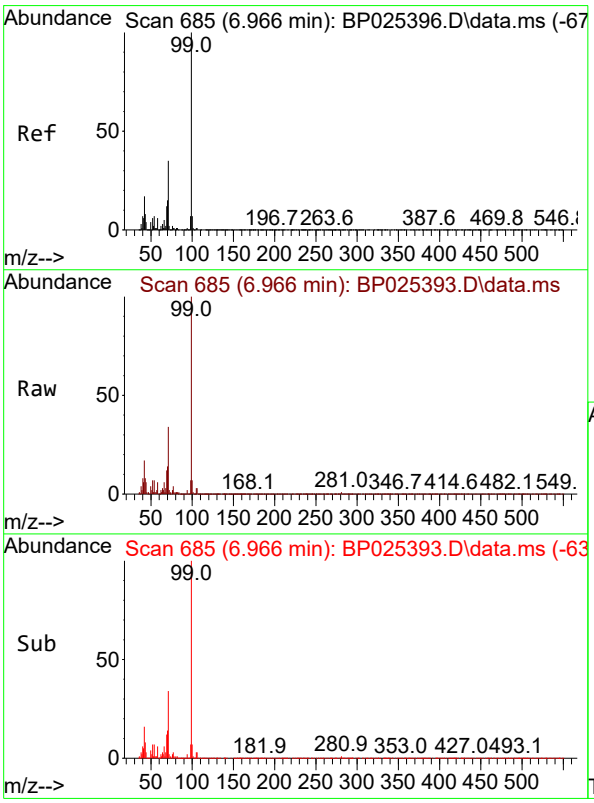
Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	18.6	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

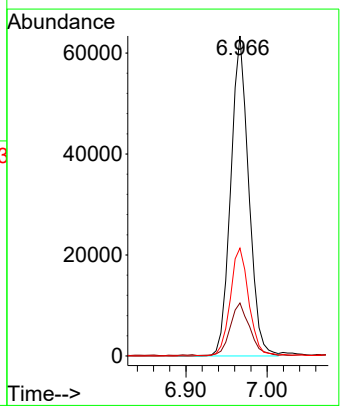
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

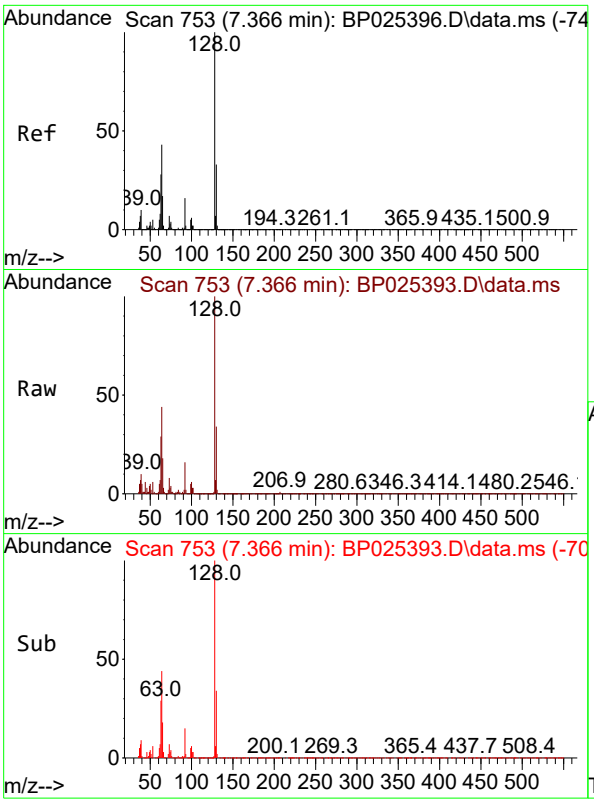


#7
Phenol-d6
Concen: 9.605 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 99 Resp: 97106

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.7	20.5
71	33.7	28.2	42.4

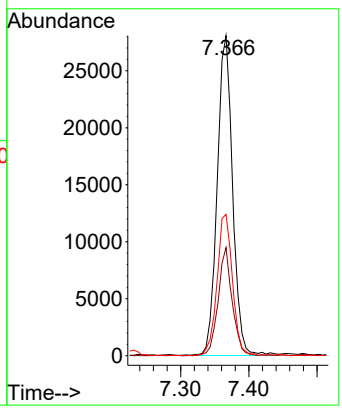




#8
2-Chlorophenol
Concen: 4.969 ng
RT: 7.366 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:128 Resp: 4421

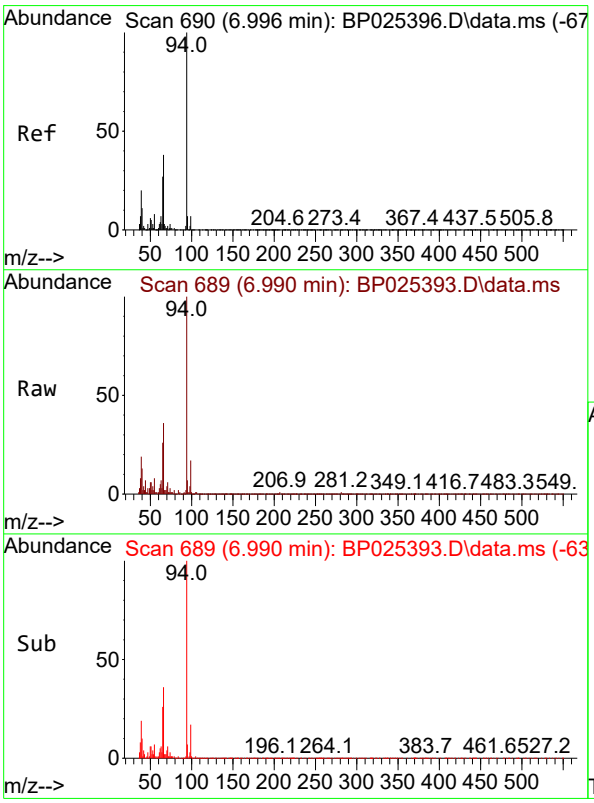
Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.6	52.6
64	44.1	23.4	63.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

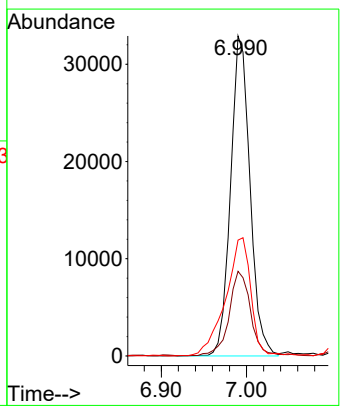
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

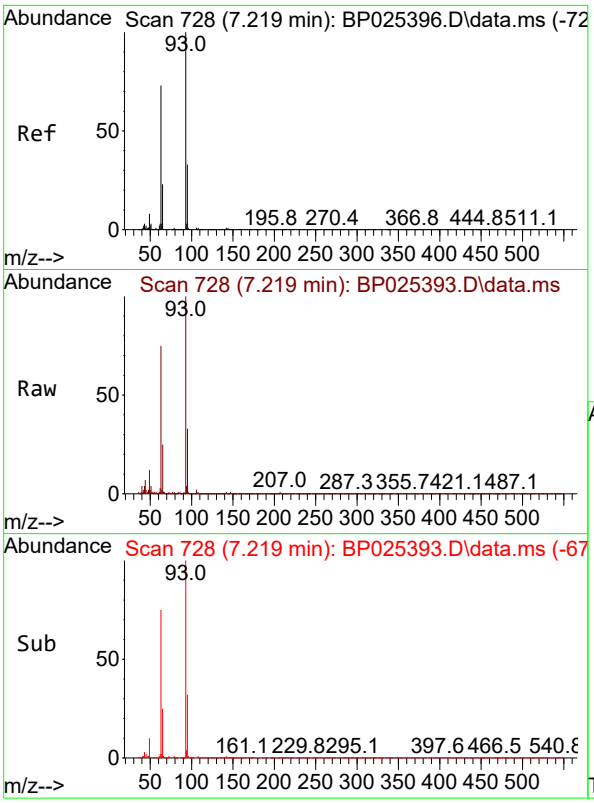


#10
Phenol
Concen: 4.919 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 94 Resp: 52186

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.8	46.8
66	36.2	18.2	58.2

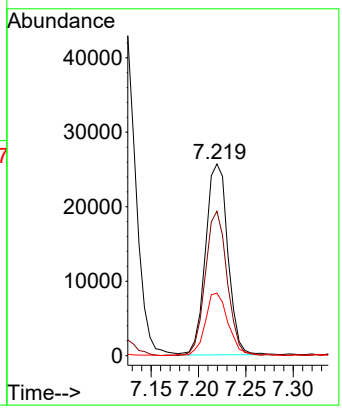




#11
bis(2-Chloroethyl)ether
Concen: 5.079 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 93 Resp: 4199

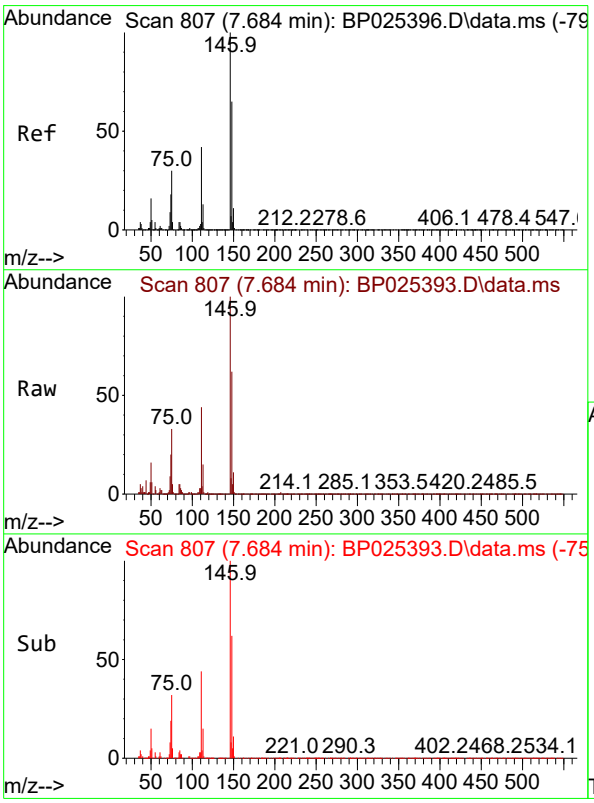
Ion	Ratio	Lower	Upper
93	100		
63	75.4	52.6	92.6
95	32.6	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

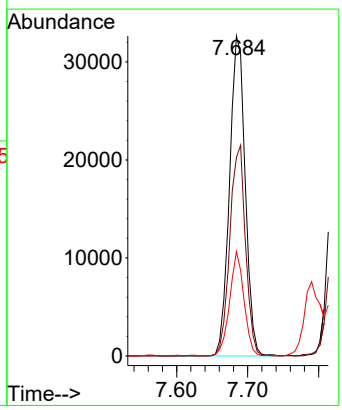
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

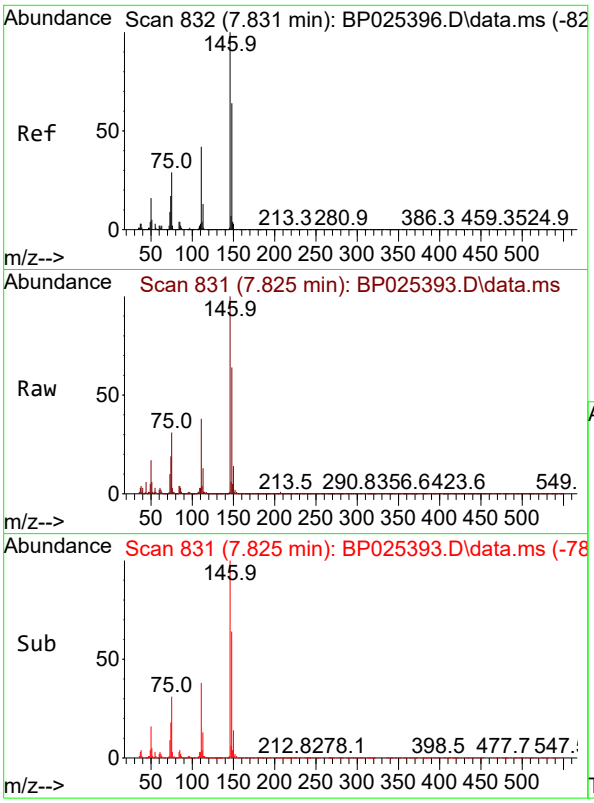


#12
1,3-Dichlorobenzene
Concen: 5.111 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:146 Resp: 50146

Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.9	77.9
75	32.6	23.7	35.5

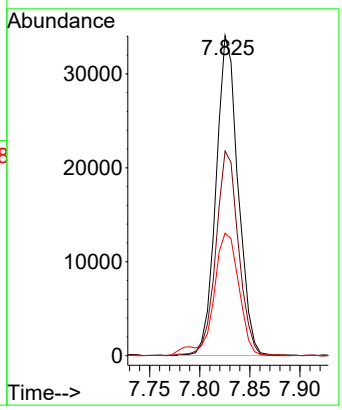




#13
1,4-Dichlorobenzene
Concen: 5.180 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:146 Resp: 5194

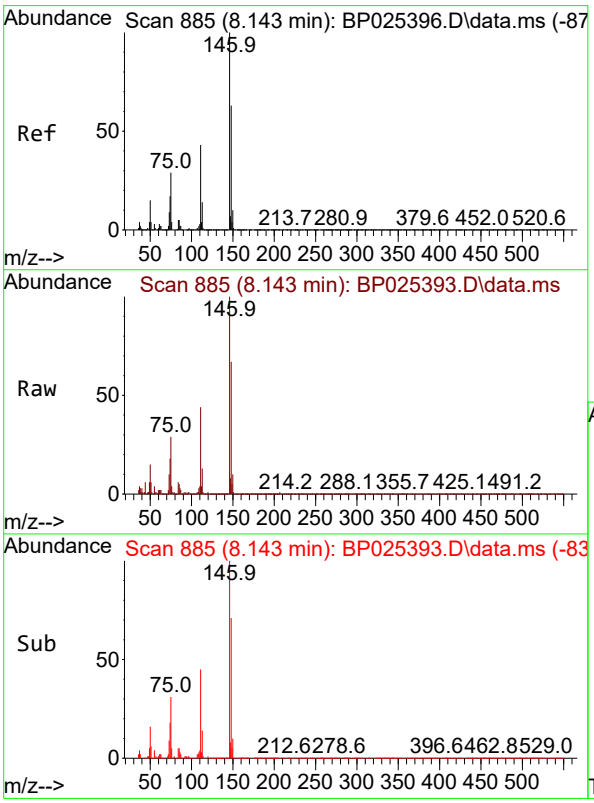
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.6	77.4
111	38.3	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

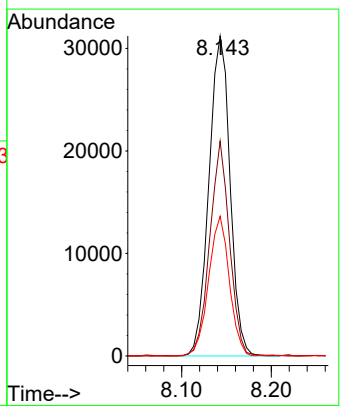
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

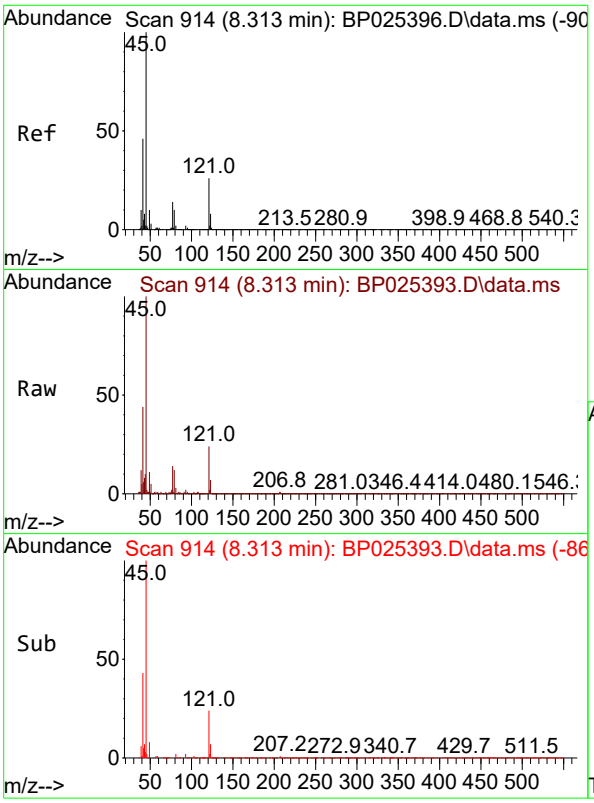


#14
1,2-Dichlorobenzene
Concen: 5.253 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:146 Resp: 50995

Ion	Ratio	Lower	Upper
146	100		
148	67.2	50.4	75.6
111	43.7	34.5	51.7





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.208 ng
RT: 8.313 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

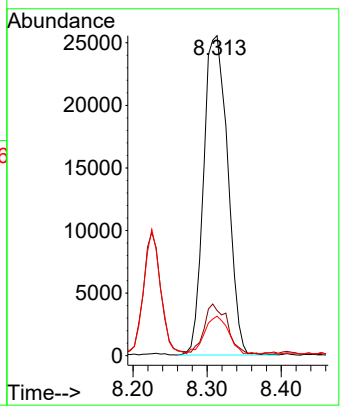
Tgt Ion: 45 Resp: 5768

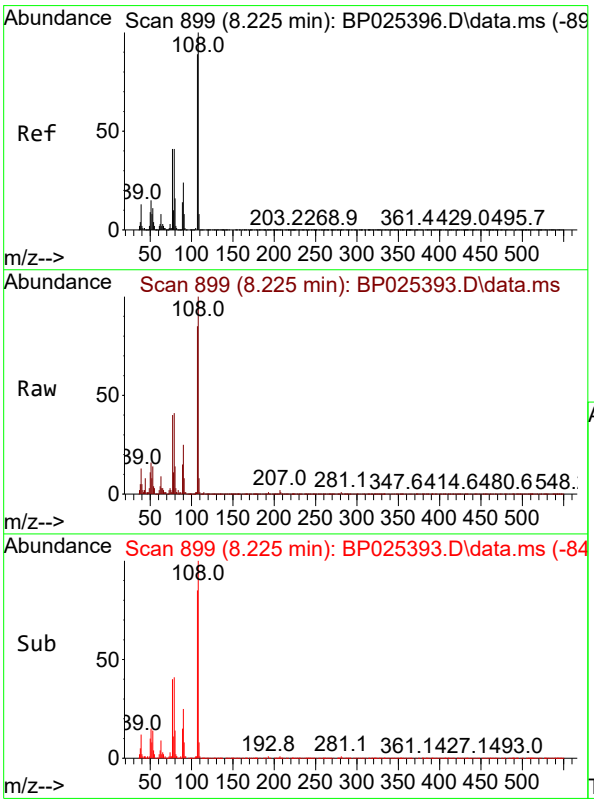
Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	35.3
79	12.4	0.0	31.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

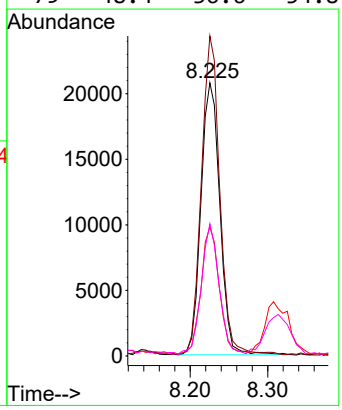


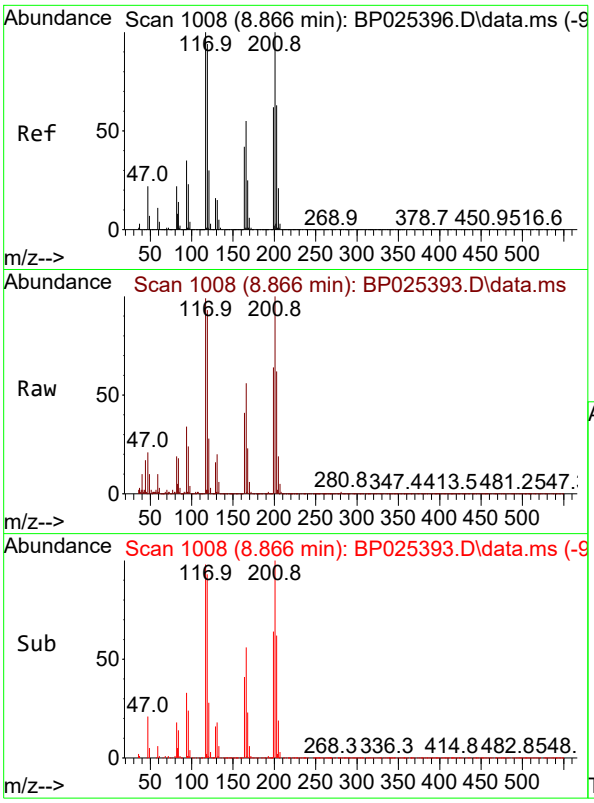


#17
2-Methylphenol
Concen: 4.776 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:107 Resp: 35186

Ion	Ratio	Lower	Upper
107	100		
108	117.2	89.4	134.0
77	47.2	36.3	54.5
79	48.4	36.6	54.8

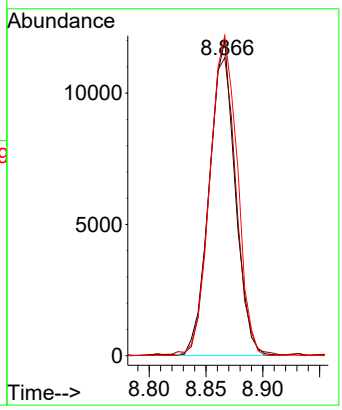




#18
Hexachloroethane
Concen: 5.127 ng
RT: 8.866 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:117 Resp: 1890

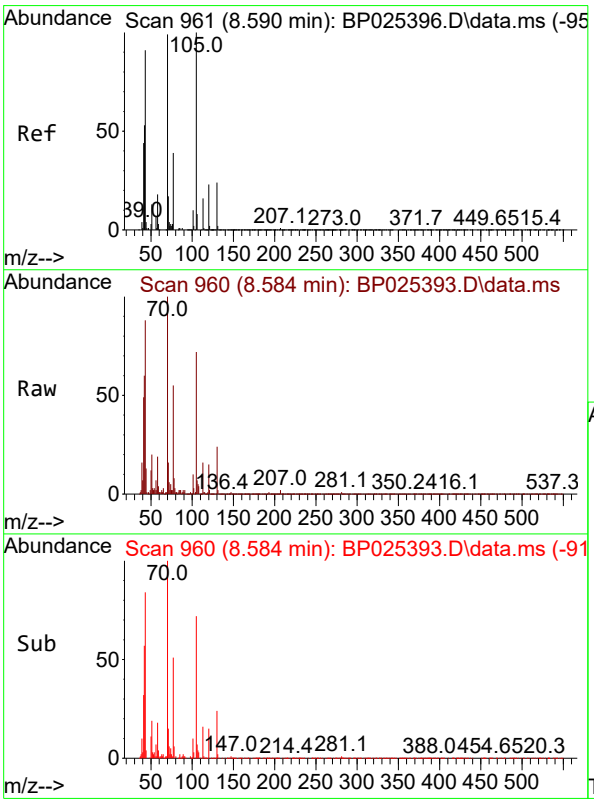
Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.1	112.7
201	101.5	80.1	120.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

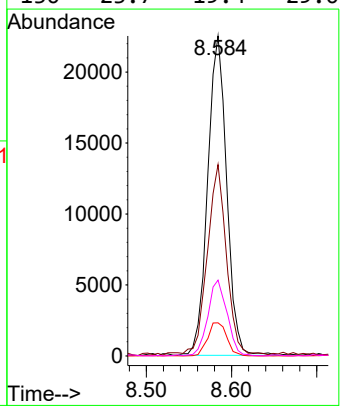
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

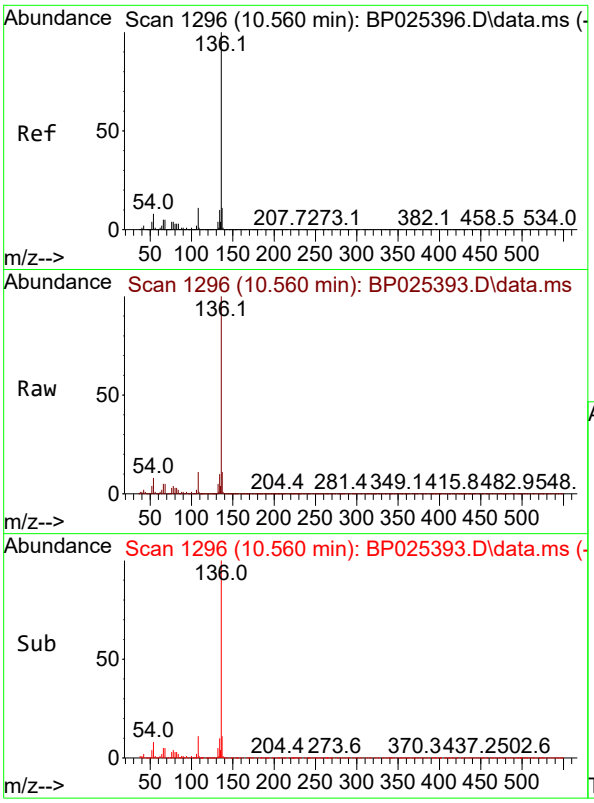


#19
n-Nitroso-di-n-propylamine
Concen: 5.205 ng
RT: 8.584 min Scan# 960
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 70 Resp: 34898

Ion	Ratio	Lower	Upper
70	100		
42	59.8	43.8	65.6
101	10.3	8.5	12.7
130	23.7	19.4	29.0

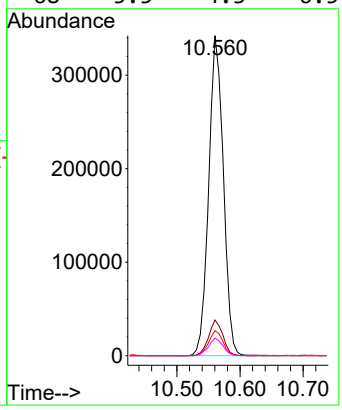




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:136 Resp: 55138

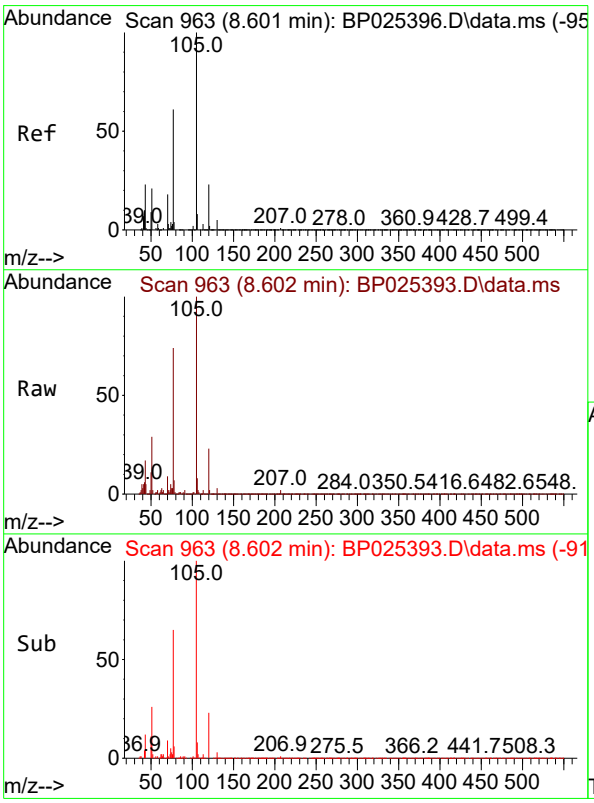
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.8	6.0	9.0
68	5.5	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

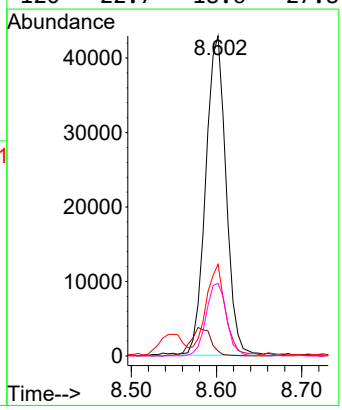
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

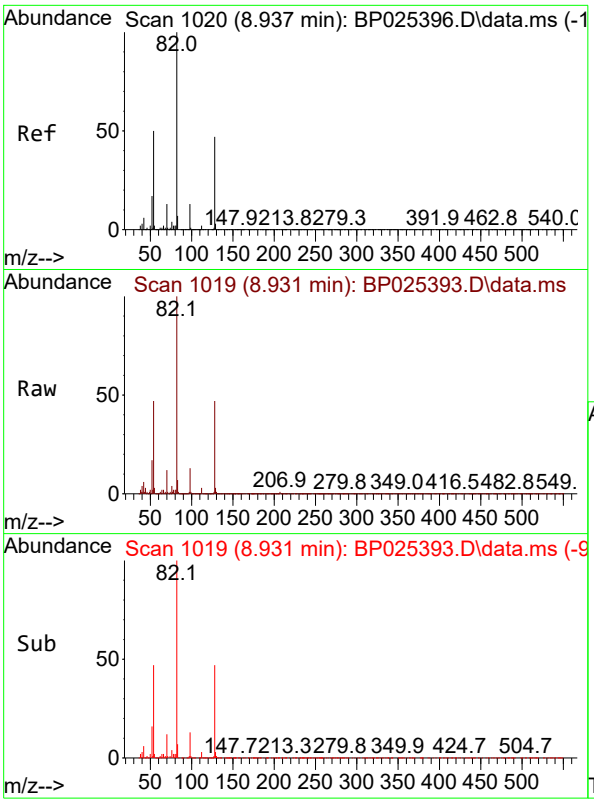


#22
Acetophenone
Concen: 5.134 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:105 Resp: 70986

Ion	Ratio	Lower	Upper
105	100		
71	1.5	2.6	4.0#
51	28.7	20.6	30.8
120	22.7	18.6	27.8

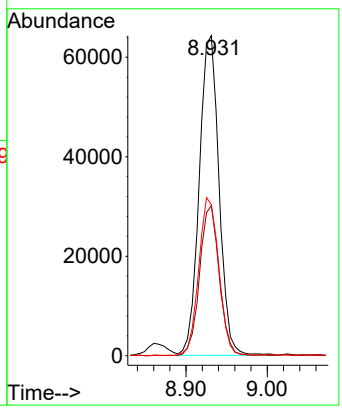




#23
Nitrobenzene-d5
Concen: 9.983 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 82 Resp: 10881

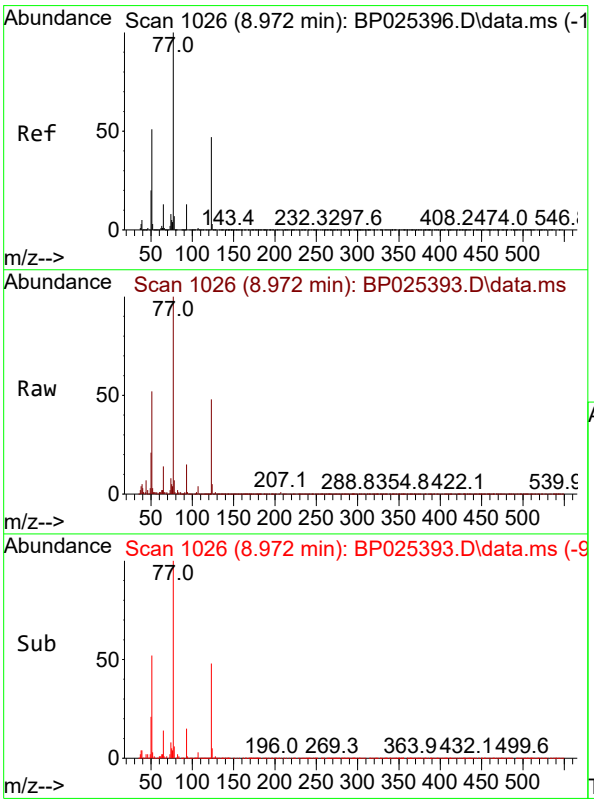
Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.7	56.5
54	47.2	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

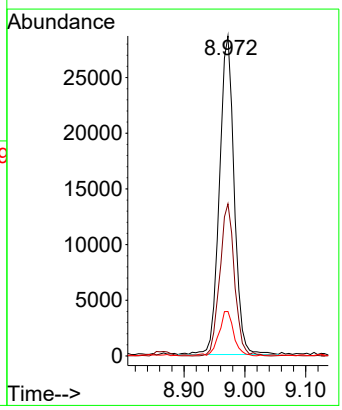
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

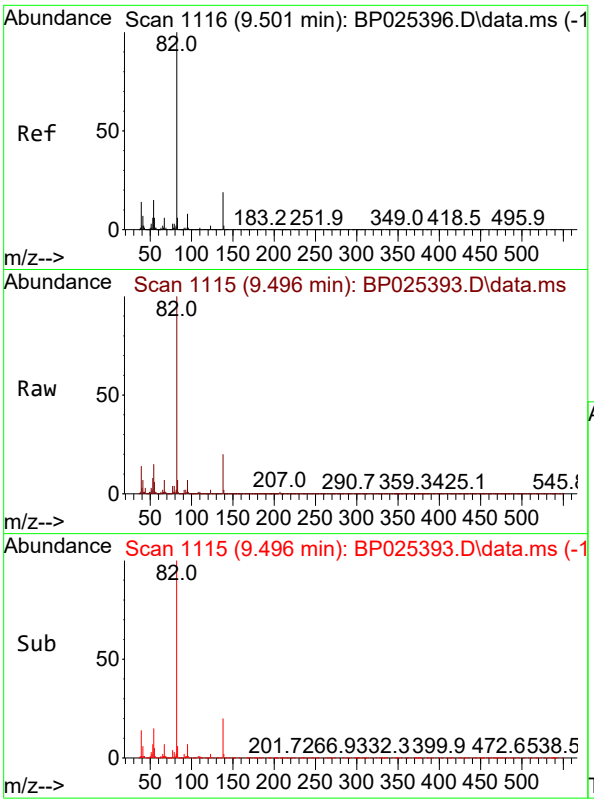


#24
Nitrobenzene
Concen: 4.951 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 77 Resp: 48234

Ion	Ratio	Lower	Upper
77	100		
123	47.6	38.6	58.0
65	13.9	10.6	15.8

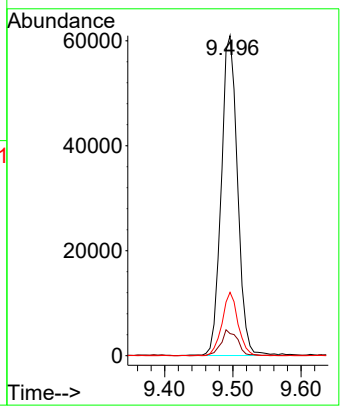




#25
Isophorone
Concen: 5.242 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 82 Resp: 10111

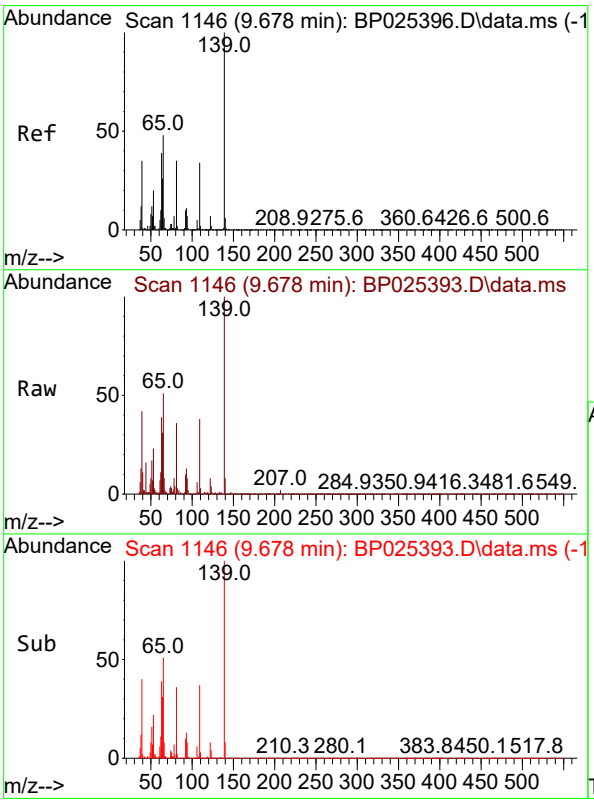
Ion	Ratio	Lower	Upper
82	100		
95	6.9	6.4	9.6
138	19.8	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

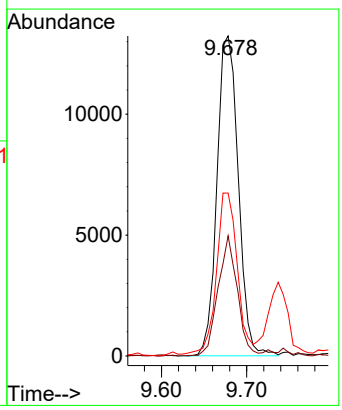
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

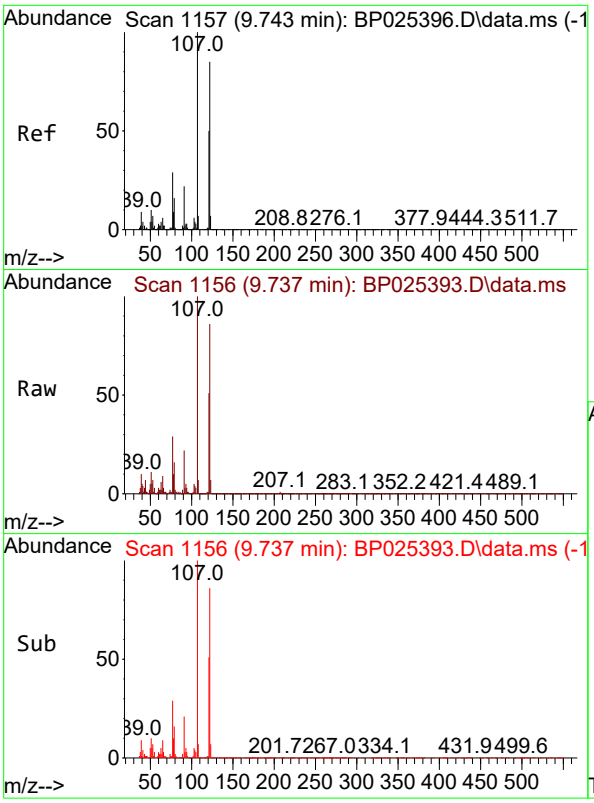


#26
2-Nitrophenol
Concen: 4.605 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:139 Resp: 23020

Ion	Ratio	Lower	Upper
139	100		
109	37.5	26.9	40.3
65	50.9	38.3	57.5

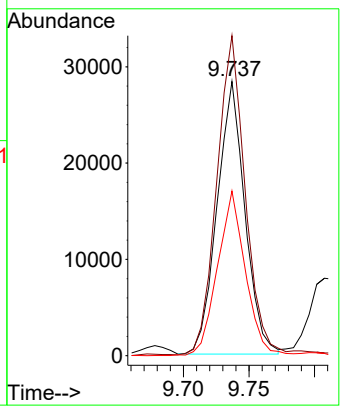




#27
2,4-Dimethylphenol
Concen: 4.861 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:122 Resp: 4179

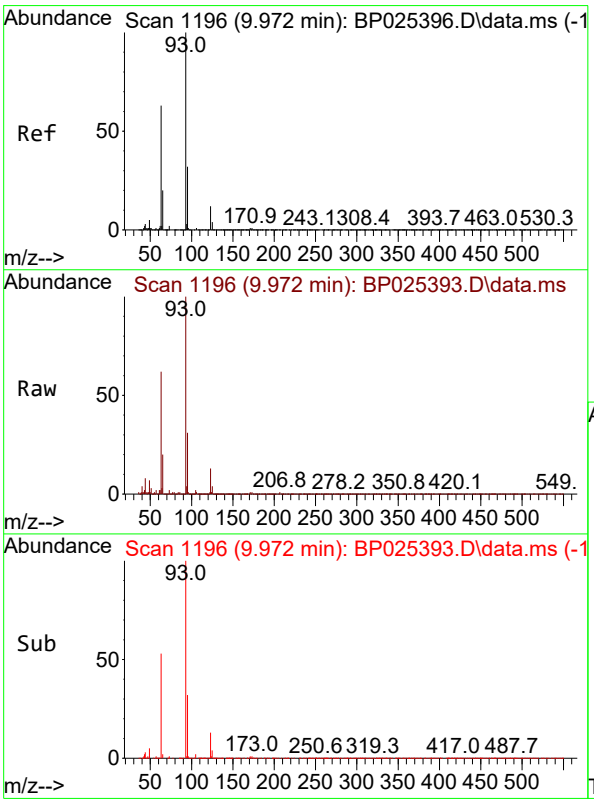
Ion	Ratio	Lower	Upper
122	100		
107	116.7	93.7	140.5
121	60.0	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

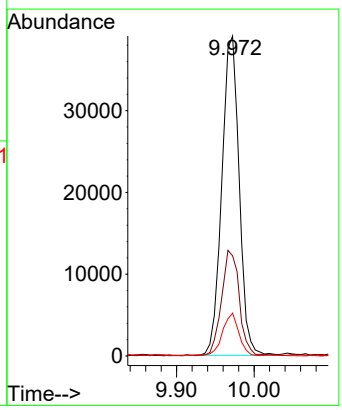
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

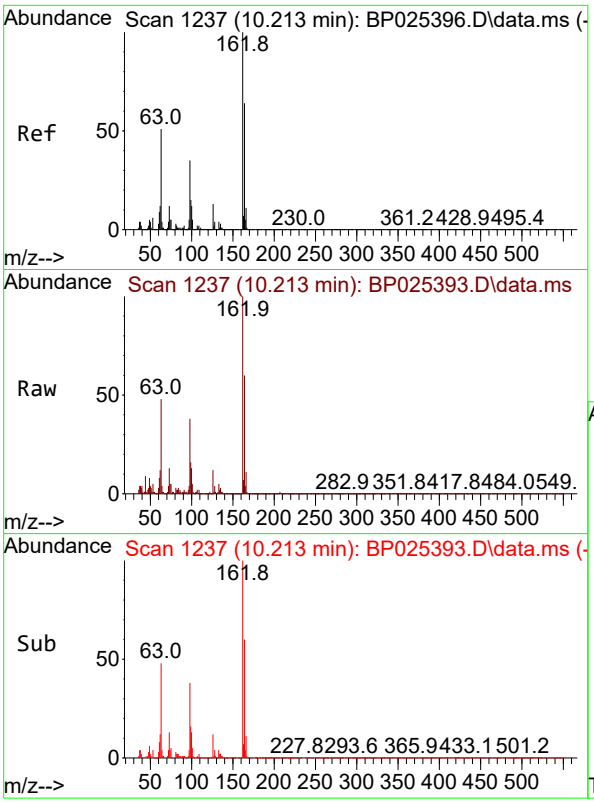


#28
bis(2-Chloroethoxy)methane
Concen: 5.233 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 93 Resp: 61017

Ion	Ratio	Lower	Upper
93	100		
95	31.3	25.4	38.0
123	13.4	9.4	14.0

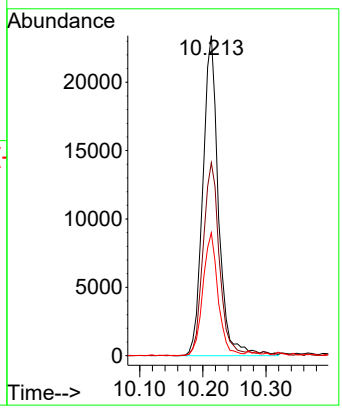




#29
2,4-Dichlorophenol
Concen: 4.723 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:162 Resp: 4033

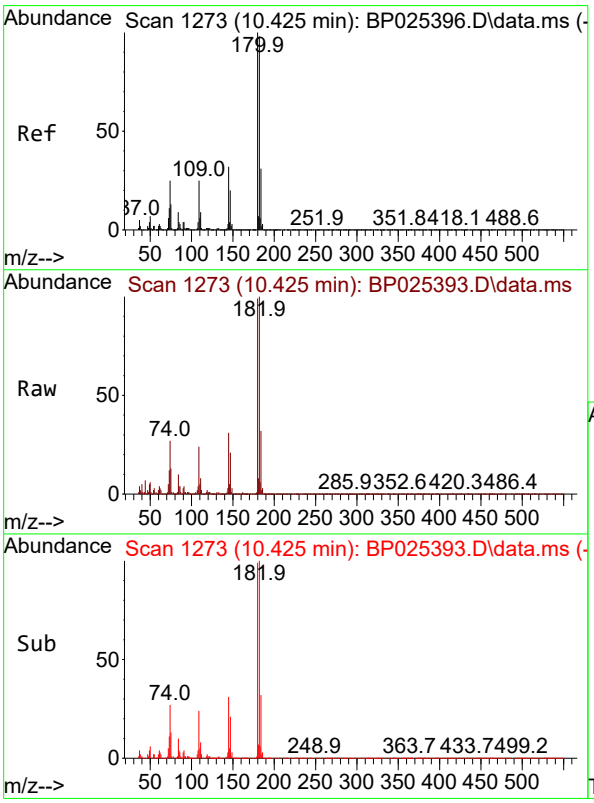
Ion	Ratio	Lower	Upper
162	100		
164	60.3	44.4	84.4
98	38.4	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

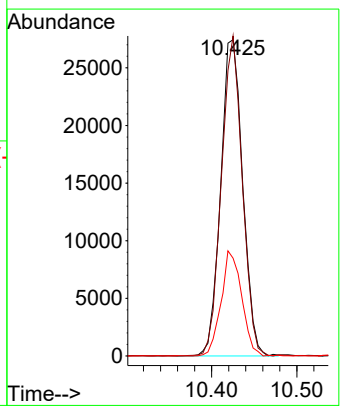
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

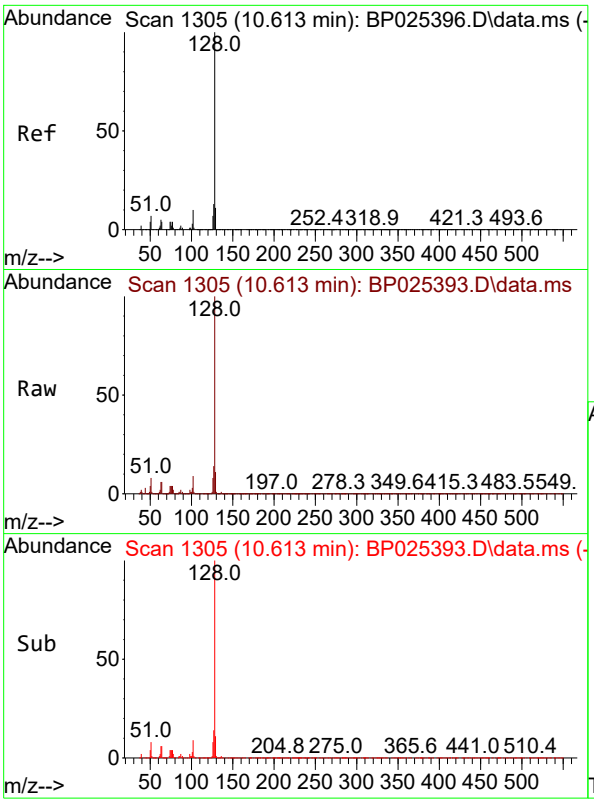


#30
1,2,4-Trichlorobenzene
Concen: 5.259 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:180 Resp: 49237

Ion	Ratio	Lower	Upper
180	100		
182	101.2	78.0	117.0
145	30.9	25.9	38.9

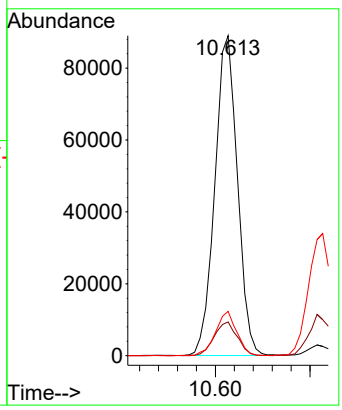




#31
Naphthalene
Concen: 5.141 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:128 Resp: 14734

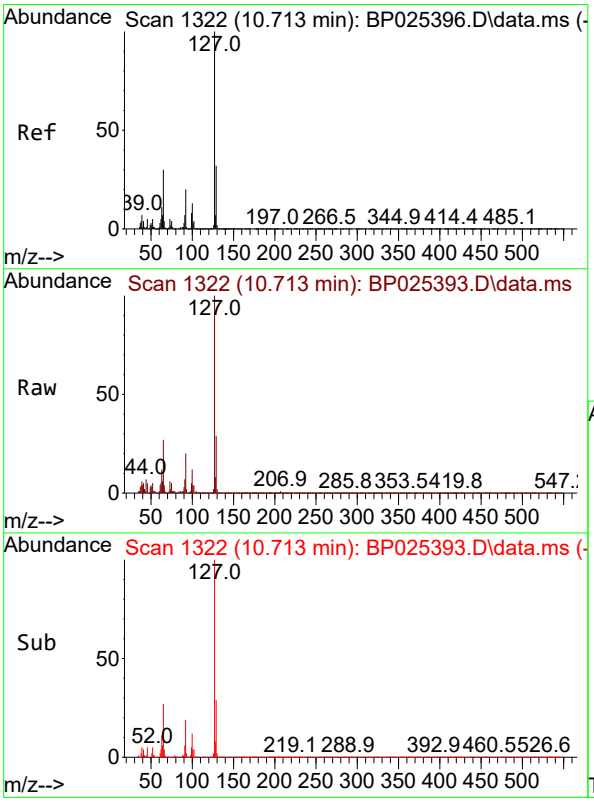
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	13.9	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

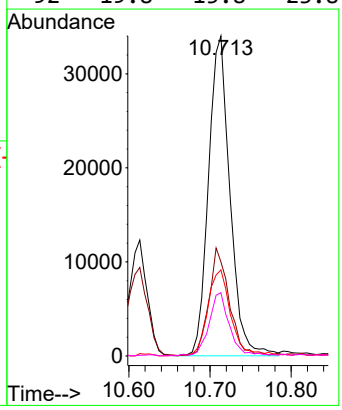
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

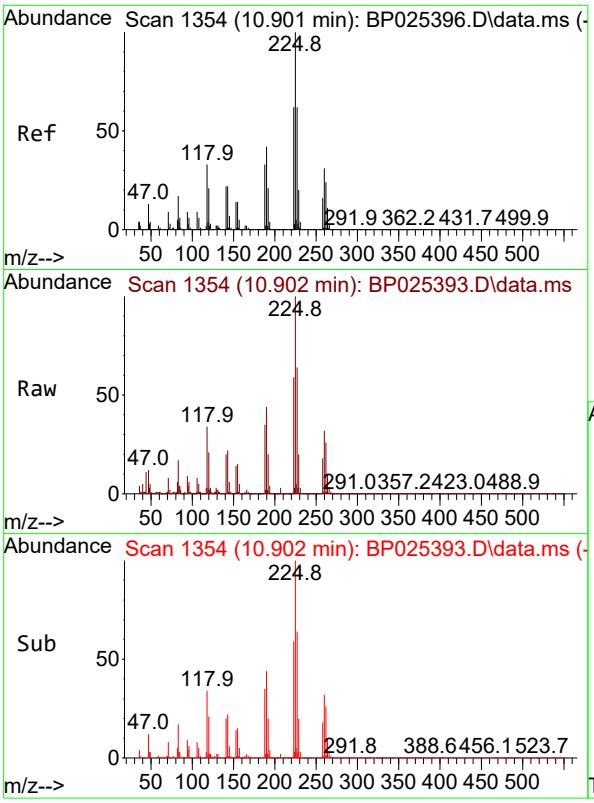


#33
4-Chloroaniline
Concen: 4.933 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:127 Resp: 62452

Ion	Ratio	Lower	Upper
127	100		
129	29.4	25.4	38.2
65	26.9	23.8	35.6
92	19.8	15.8	23.8

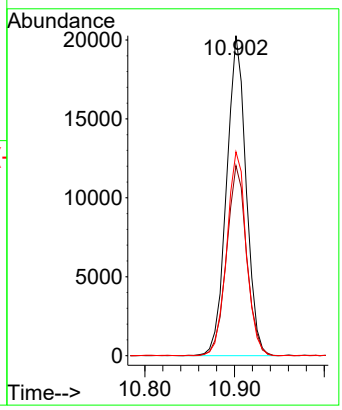




#34
Hexachlorobutadiene
Concen: 5.241 ng
RT: 10.902 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:225 Resp: 3055

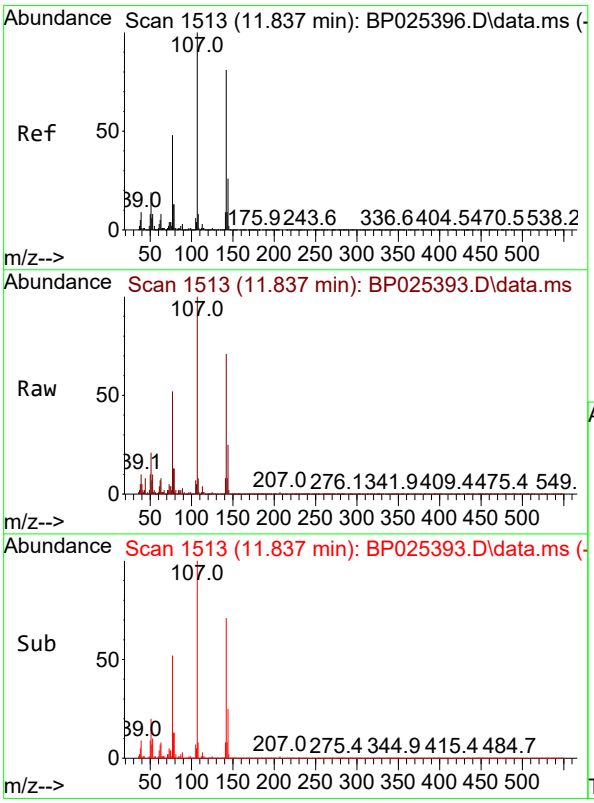
Ion	Ratio	Lower	Upper
225	100		
223	59.4	50.0	75.0
227	66.3	49.7	74.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

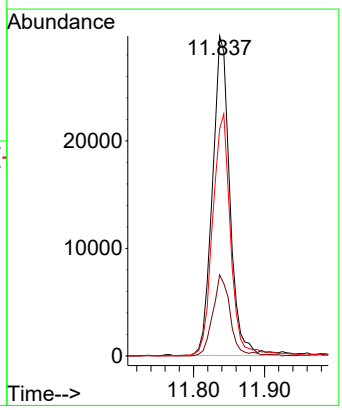
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

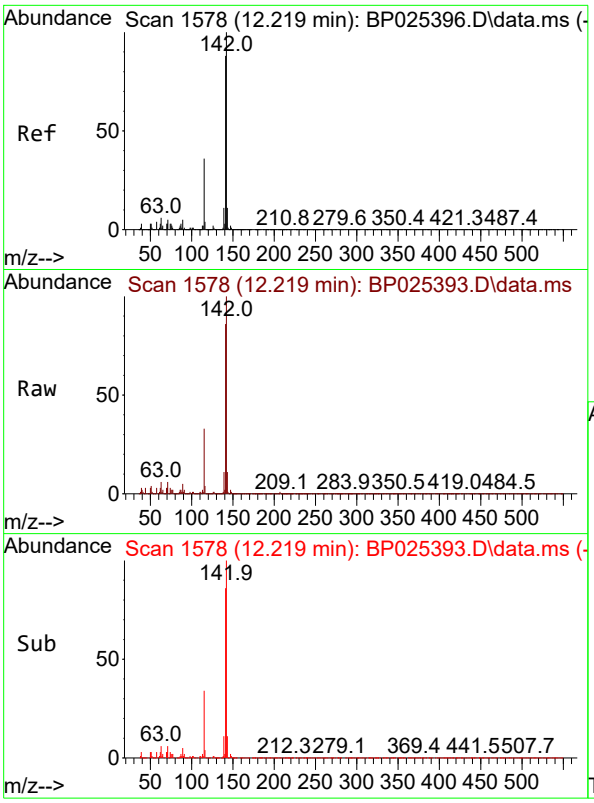


#36
4-Chloro-3-methylphenol
Concen: 5.154 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:107 Resp: 50515

Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.0	31.4
142	70.9	64.6	97.0

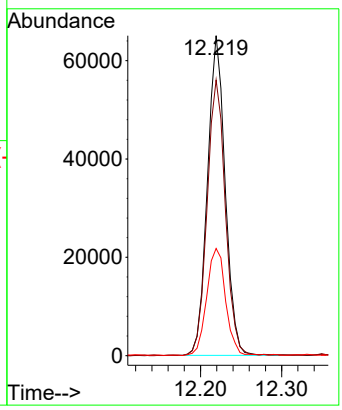




#37
2-Methylnaphthalene
Concen: 5.289 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:142 Resp: 9864

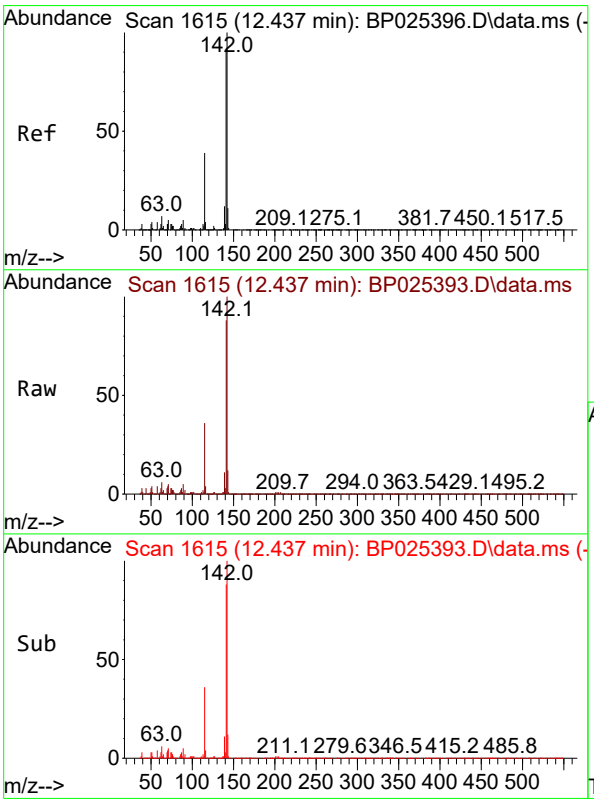
Ion	Ratio	Lower	Upper
142	100		
141	86.1	70.3	105.5
115	33.5	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

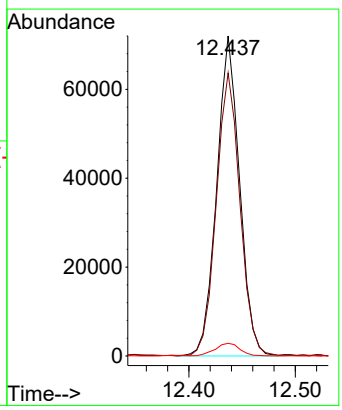
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

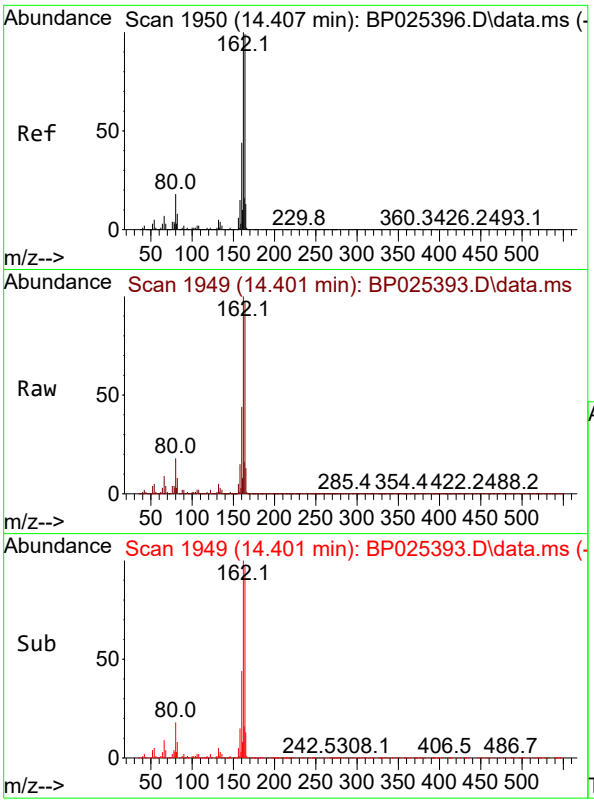


#38
1-Methylnaphthalene
Concen: 5.397 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:142 Resp: 107044

Ion	Ratio	Lower	Upper
142	100		
141	88.4	73.1	109.7
116	3.9	3.2	4.8

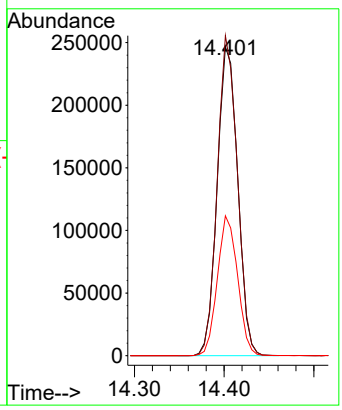




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:164 Resp: 39237

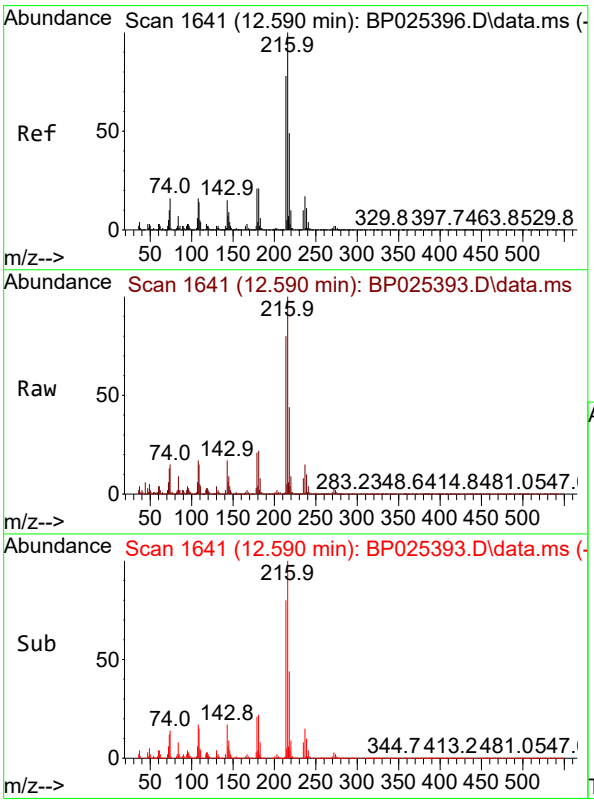
Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.0	121.6
160	45.3	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

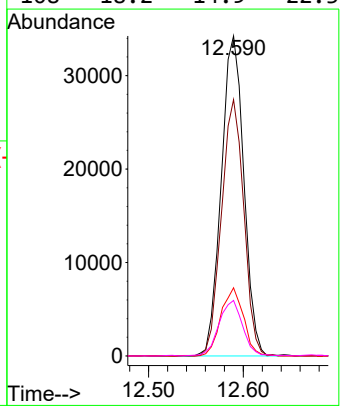
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

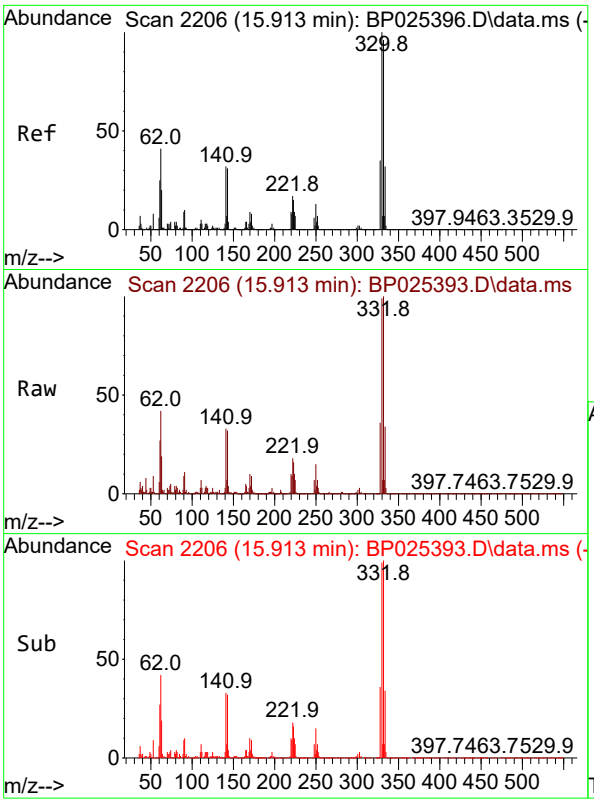


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.001 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:216 Resp: 56676

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	21.3	17.1	25.7
108	18.2	14.9	22.3

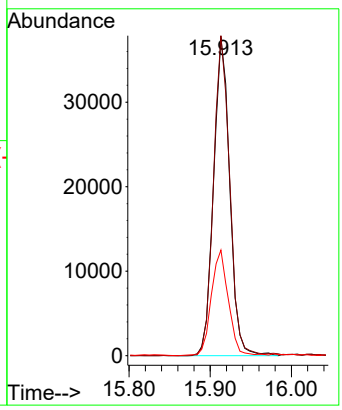




#42
2,4,6-Tribromophenol
Concen: 9.881 ng
RT: 15.913 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:330 Resp: 5218

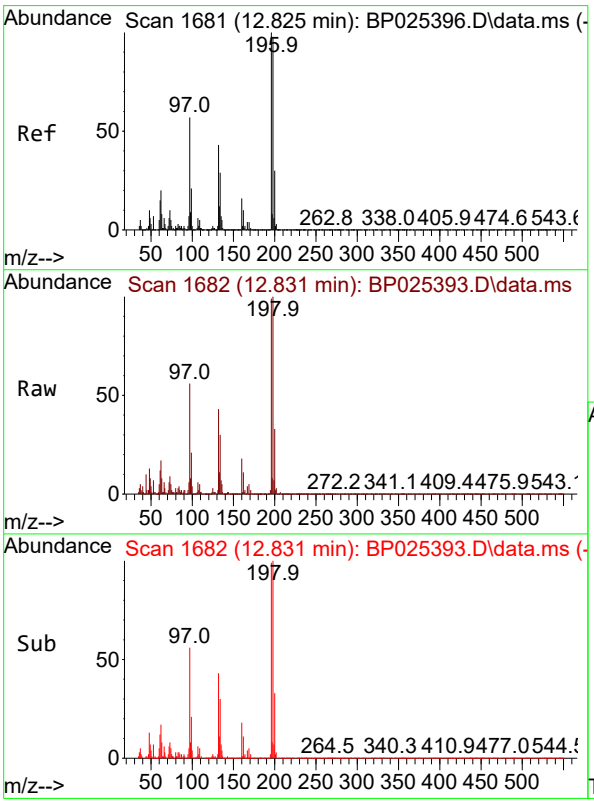
Ion	Ratio	Lower	Upper
330	100		
332	100.4	77.3	115.9
141	34.9	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

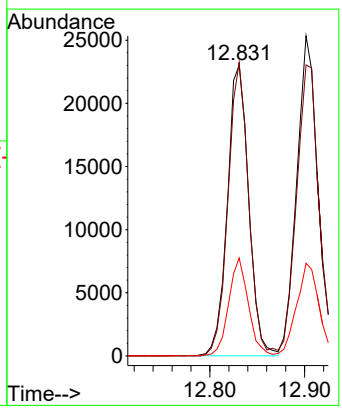
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

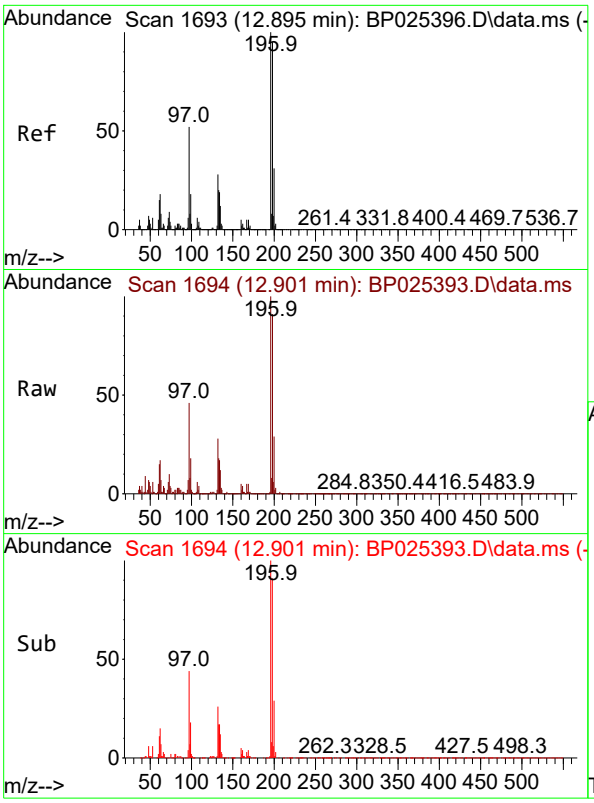


#43
2,4,6-Trichlorophenol
Concen: 4.718 ng
RT: 12.831 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:196 Resp: 36093

Ion	Ratio	Lower	Upper
196	100		
198	101.0	77.2	115.8
200	33.7	23.9	35.9

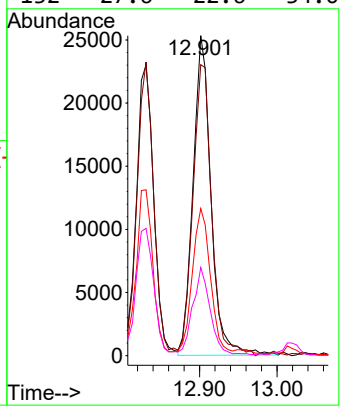




#44
2,4,5-Trichlorophenol
Concen: 4.875 ng
RT: 12.901 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:196 Resp: 4087

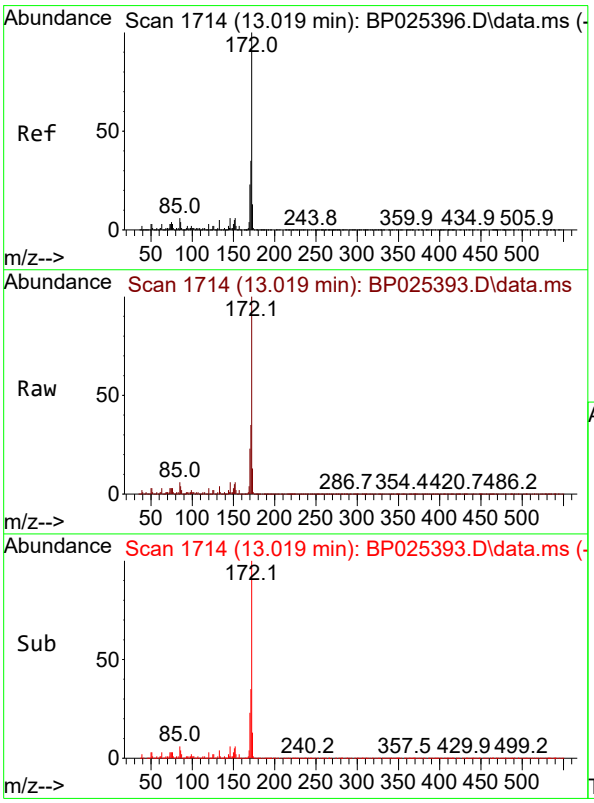
Ion	Ratio	Lower	Upper
196	100		
198	91.0	76.2	114.2
97	46.0	41.2	61.8
132	27.6	22.6	34.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

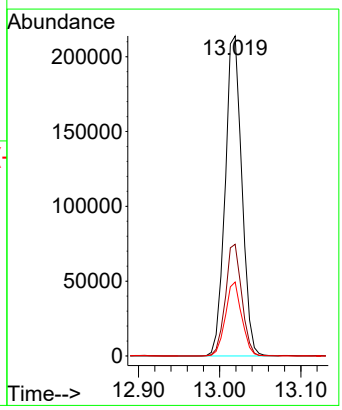
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

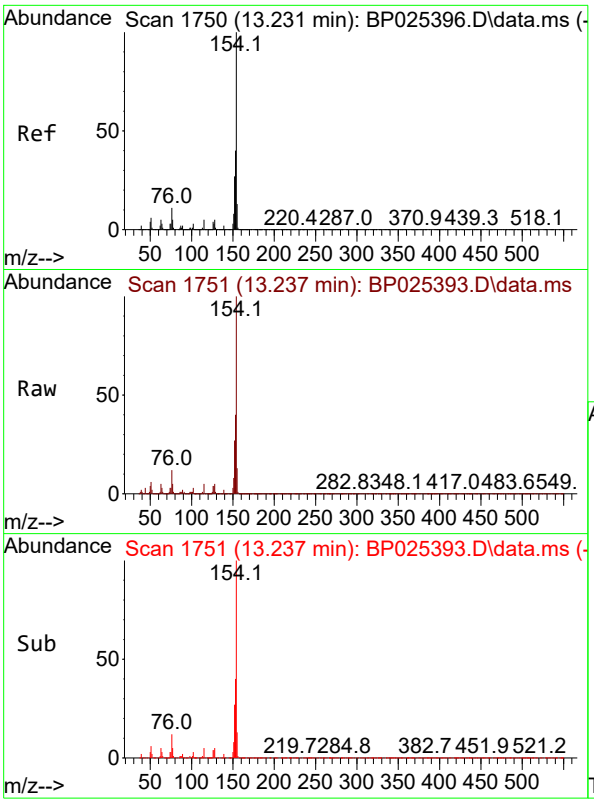


#45
2-Fluorobiphenyl
Concen: 10.649 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:172 Resp: 305742

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.1	18.6	28.0

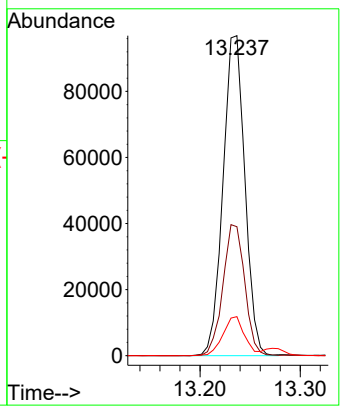




#46
1,1'-Biphenyl
Concen: 5.146 ng
RT: 13.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:154 Resp: 14665

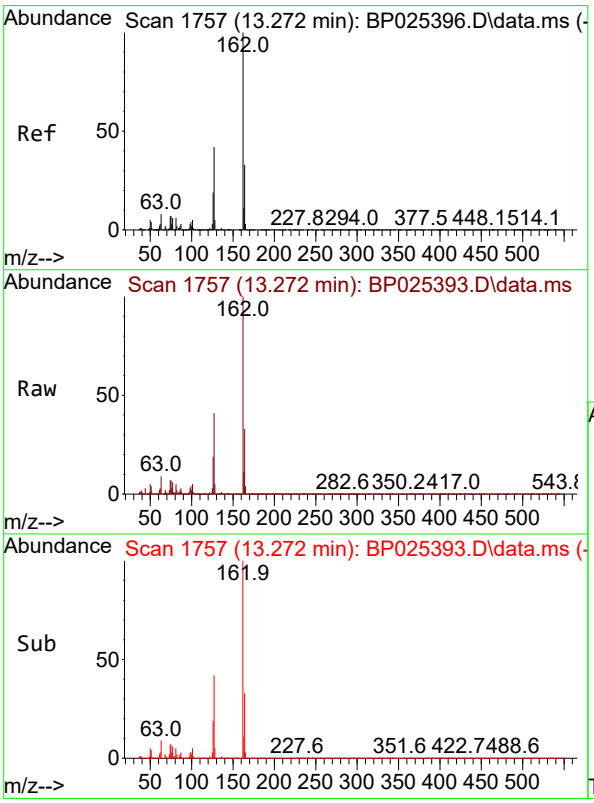
Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.5	59.5
76	12.2	0.0	31.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

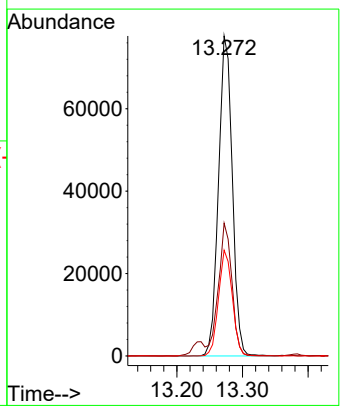
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

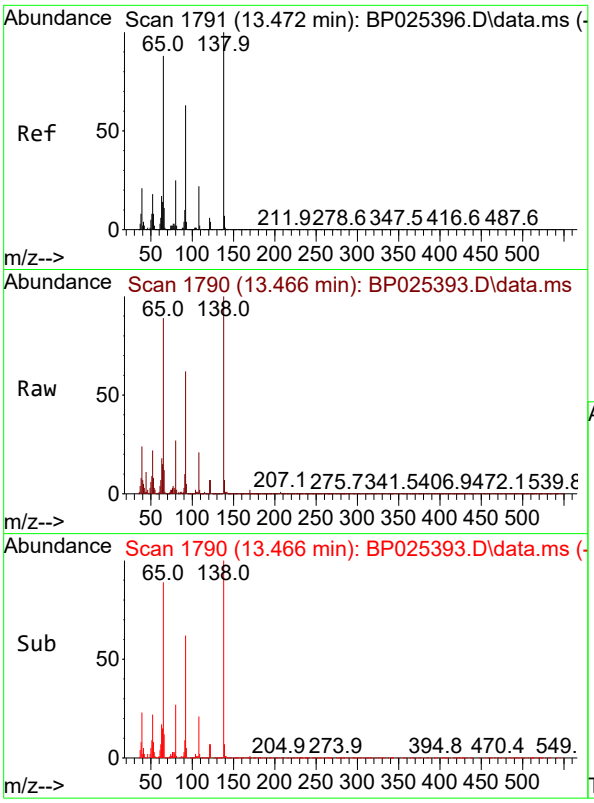


#47
2-Chloronaphthalene
Concen: 5.094 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:162 Resp: 113015

Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	33.0	26.2	39.2

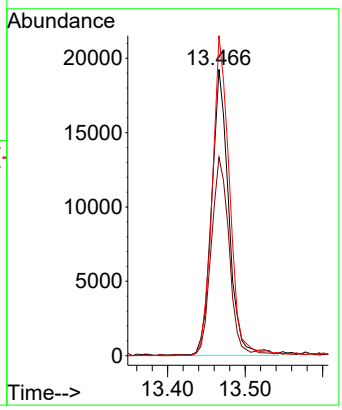




#48
2-Nitroaniline
Concen: 4.568 ng
RT: 13.466 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 65 Resp: 2952

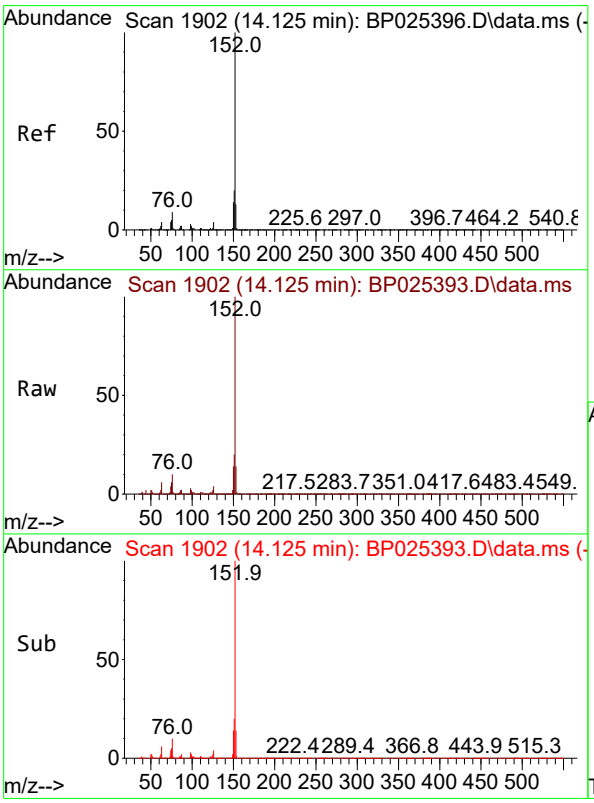
Ion	Ratio	Lower	Upper
65	100		
92	69.3	57.6	86.4
138	111.8	91.0	136.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

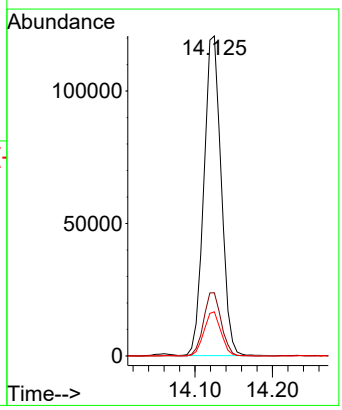
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

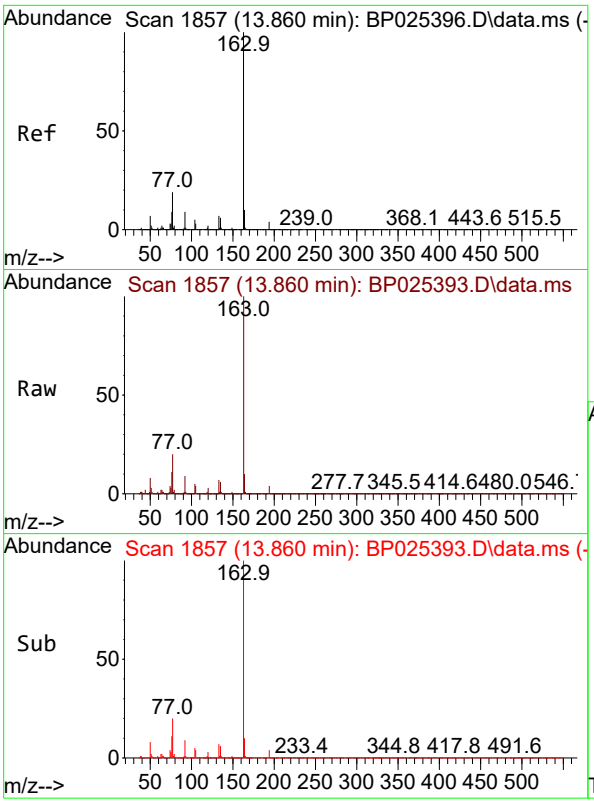


#49
Acenaphthylene
Concen: 5.095 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:152 Resp: 187026

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.8	10.6	15.8





#50
Dimethylphthalate
Concen: 5.355 ng
RT: 13.860 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

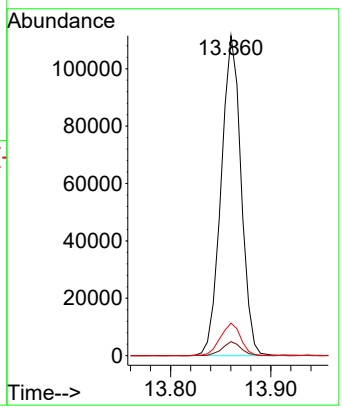
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

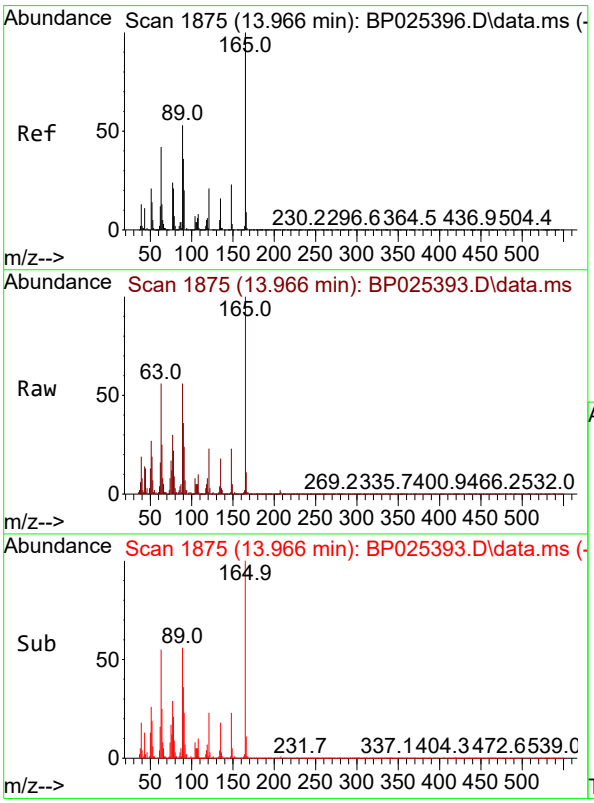
Tgt Ion:163 Resp: 15386

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.1	7.9	11.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

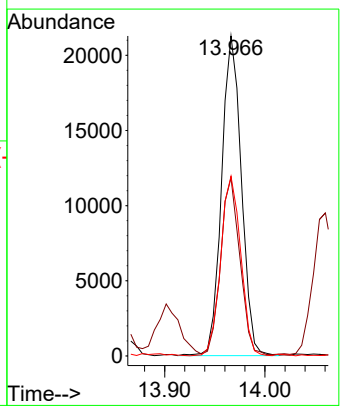


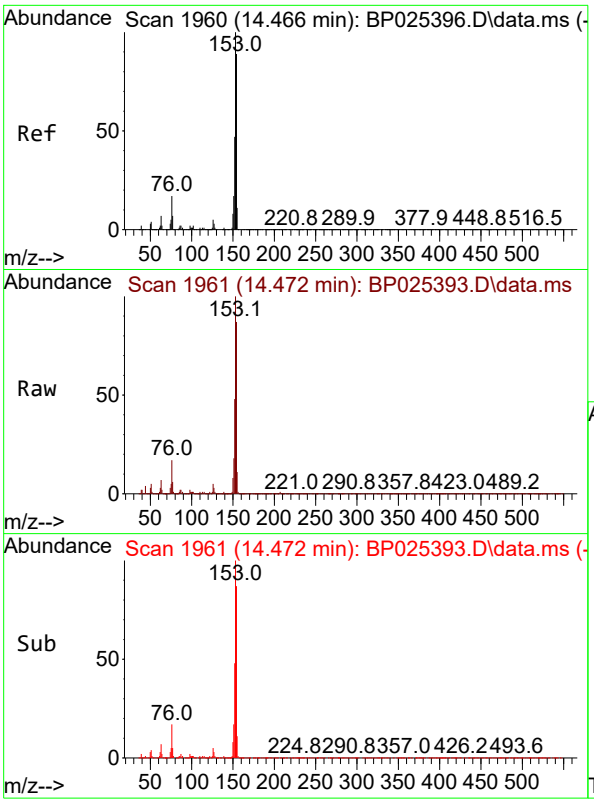


#51
2,6-Dinitrotoluene
Concen: 4.803 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:165 Resp: 29088

Ion	Ratio	Lower	Upper
165	100		
63	55.7	40.9	61.3
89	56.2	42.1	63.1

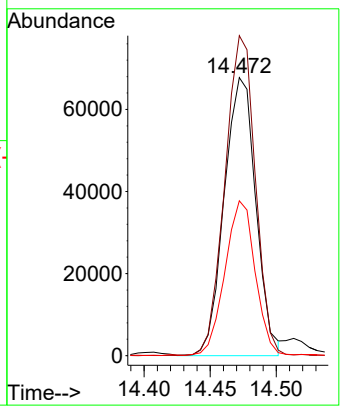




#52
Acenaphthene
Concen: 5.232 ng m
RT: 14.472 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:154 Resp: 11273

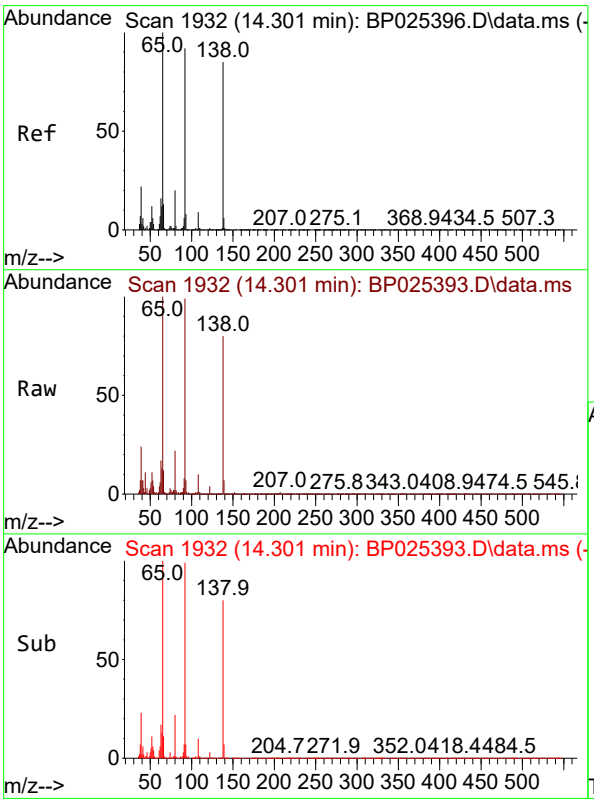
Ion	Ratio	Lower	Upper
154	100		
153	115.1	90.2	135.2
152	55.7	42.1	63.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

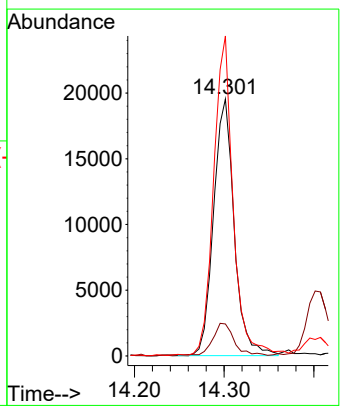
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

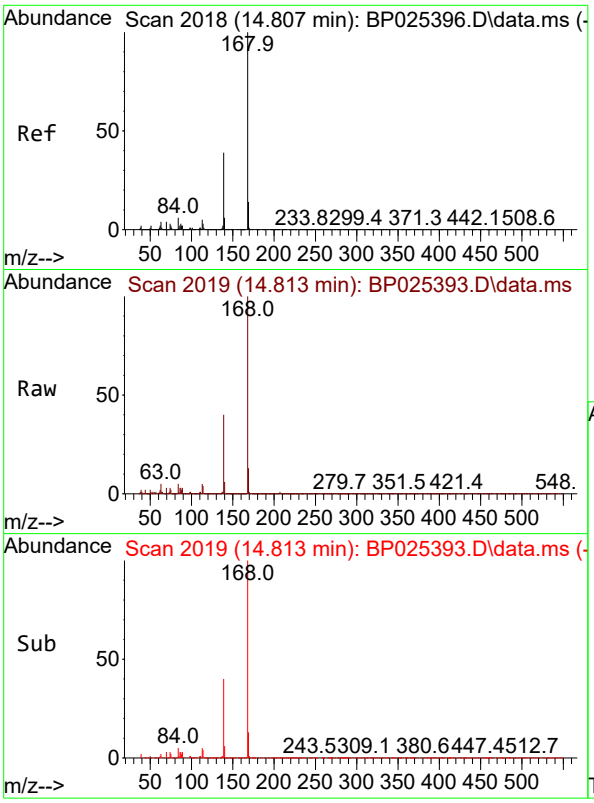


#53
3-Nitroaniline
Concen: 4.583 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:138 Resp: 31224

Ion	Ratio	Lower	Upper
138	100		
108	12.5	8.3	12.5
92	124.5	86.2	129.2

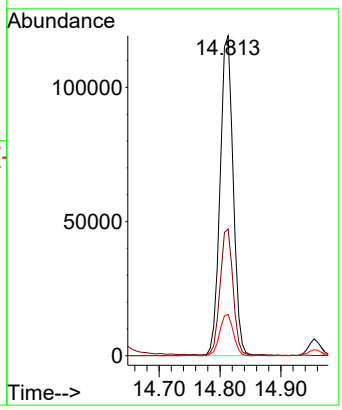




#55
Dibenzofuran
Concen: 5.240 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:168 Resp: 17849

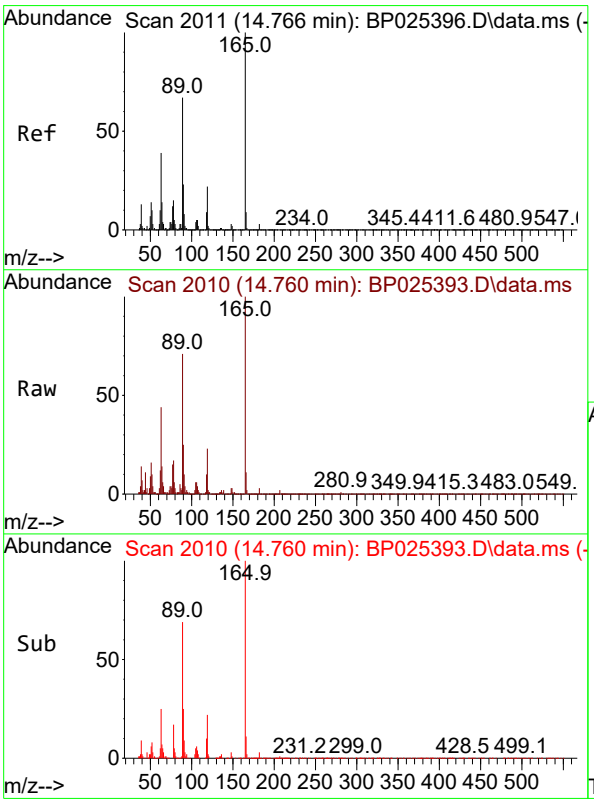
Ion	Ratio	Lower	Upper
168	100		
139	39.6	31.5	47.3
169	12.9	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

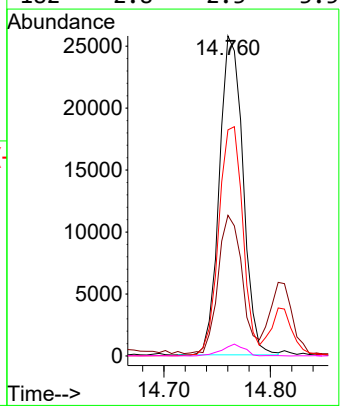
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

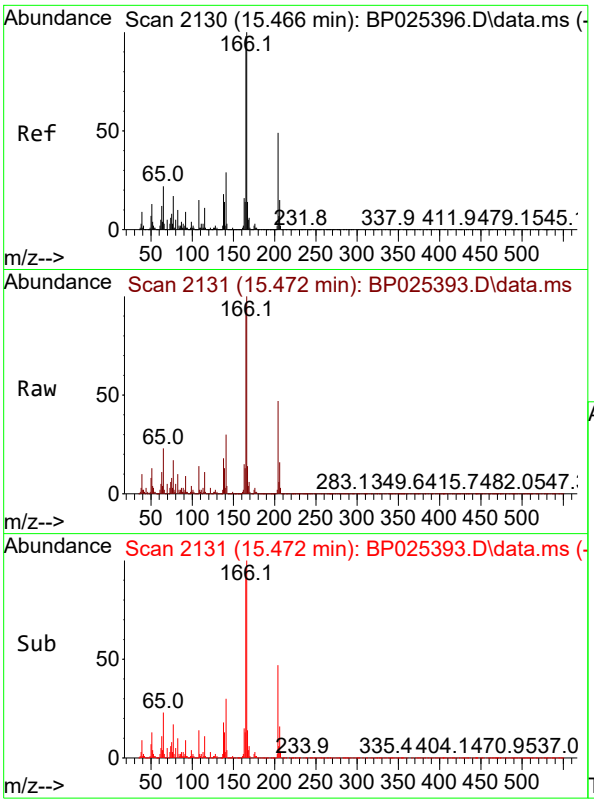


#57
2,4-Dinitrotoluene
Concen: 4.590 ng
RT: 14.760 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:165 Resp: 39658

Ion	Ratio	Lower	Upper
165	100		
63	43.9	31.4	47.2
89	70.6	53.3	79.9
182	2.8	2.3	3.5





#58
Fluorene
Concen: 5.497 ng
RT: 15.472 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

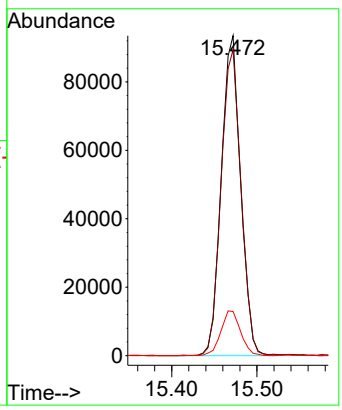
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

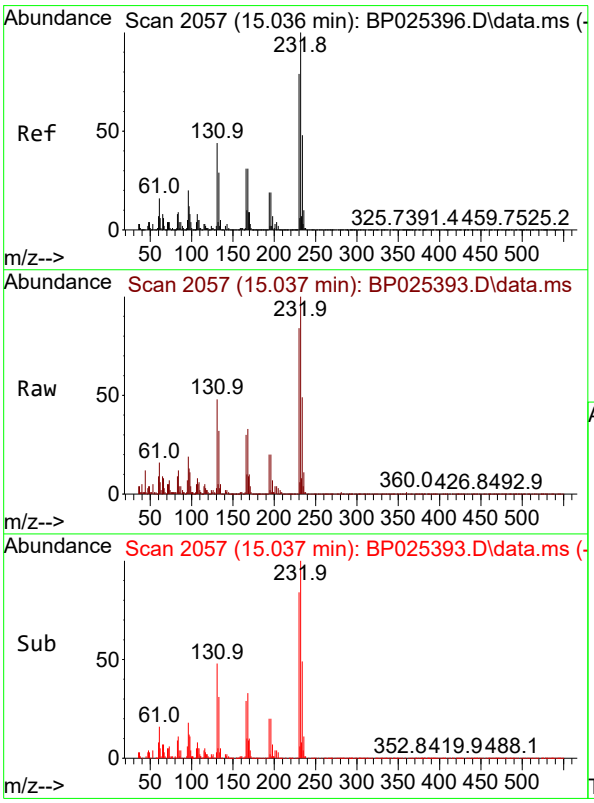
Tgt Ion:166 Resp: 14776

Ion	Ratio	Lower	Upper
166	100		
165	95.7	78.8	118.2
167	13.8	11.0	16.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

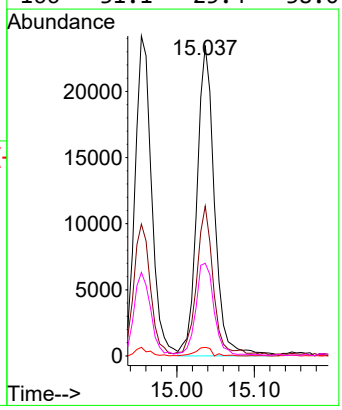


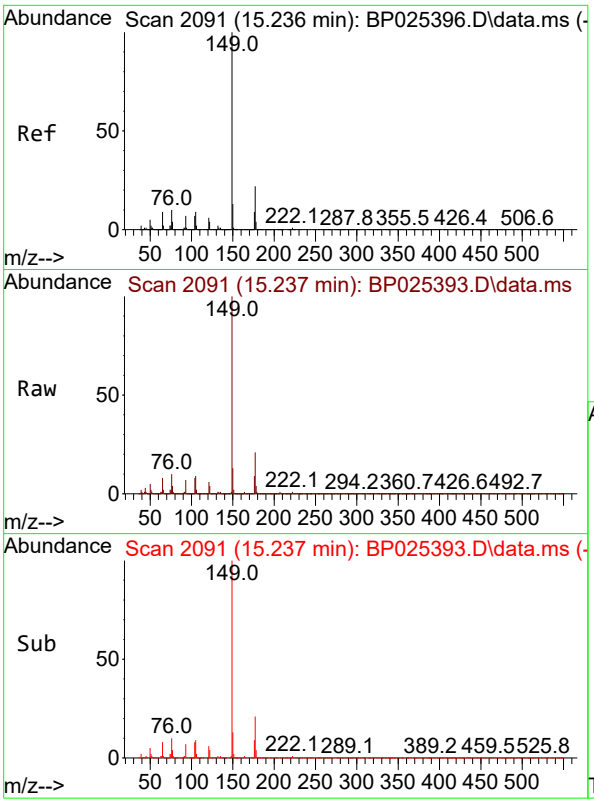


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.968 ng
RT: 15.037 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:232 Resp: 36779

Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.0	55.6
130	2.7	1.9	2.9
166	31.1	25.4	38.0

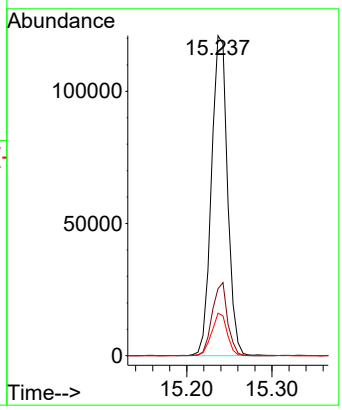




#60
Diethylphthalate
Concen: 5.426 ng
RT: 15.237 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 15842

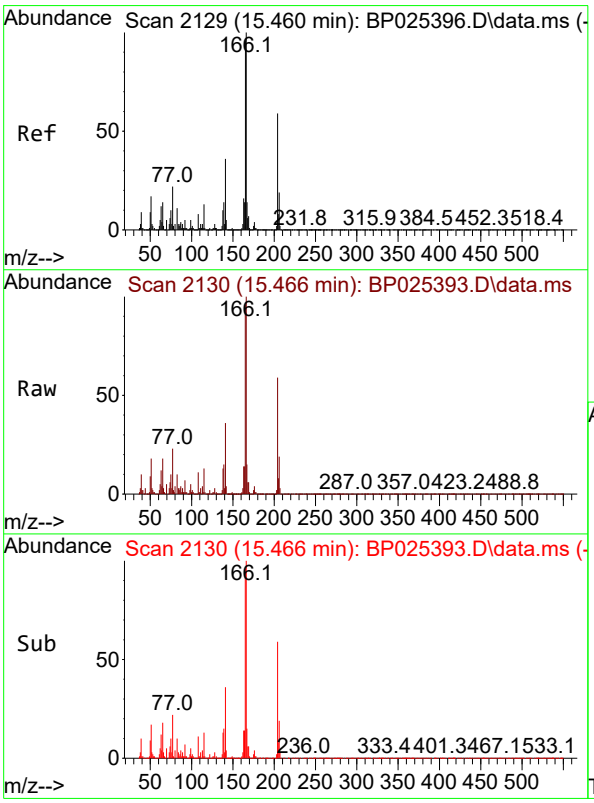
Ion	Ratio	Lower	Upper
149	100		
177	20.9	17.3	25.9
150	13.3	10.3	15.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

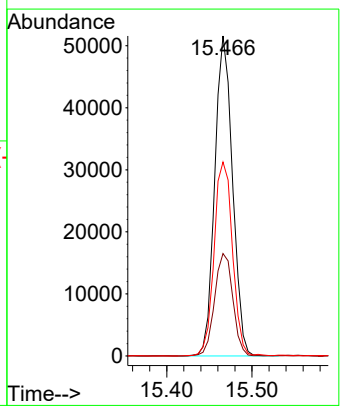
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

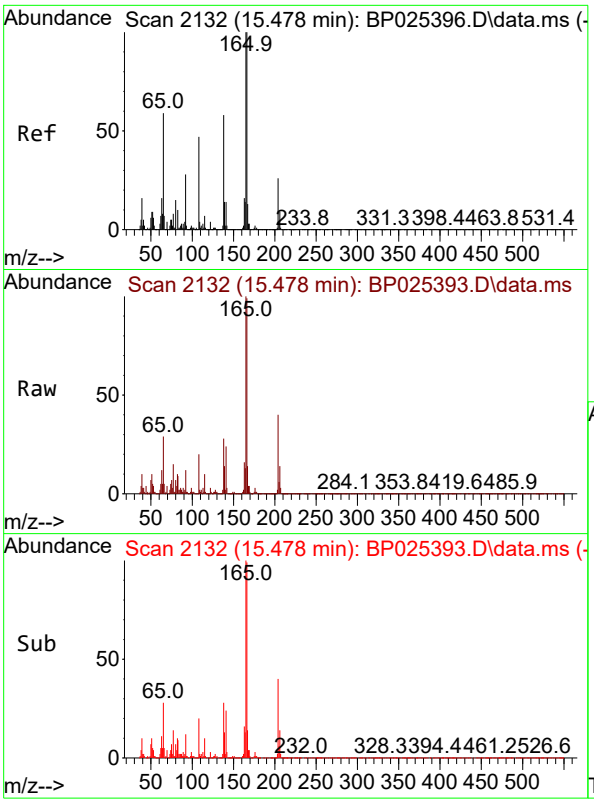


#61
4-Chlorophenyl-phenylether
Concen: 5.583 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:204 Resp: 74636

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.8	38.8
141	60.6	49.4	74.2

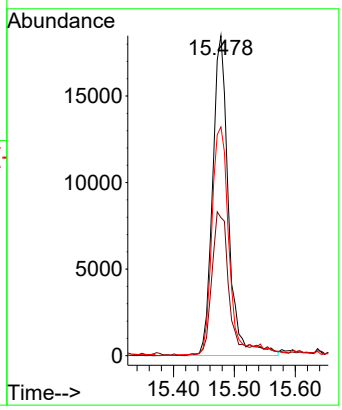




#62
4-Nitroaniline
Concen: 4.791 ng
RT: 15.478 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:138 Resp: 3346

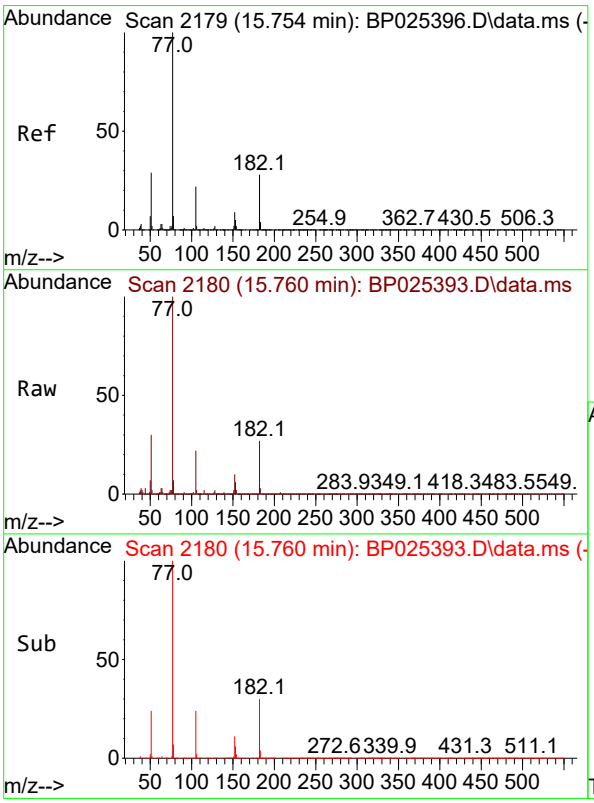
Ion	Ratio	Lower	Upper
138	100		
92	43.2	29.1	69.1
108	71.5	61.5	101.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

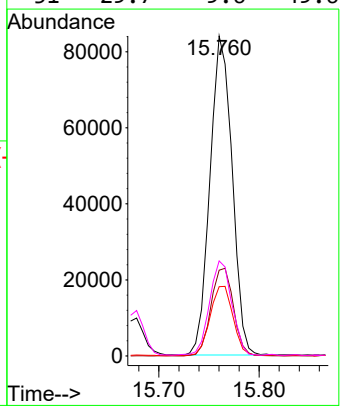
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

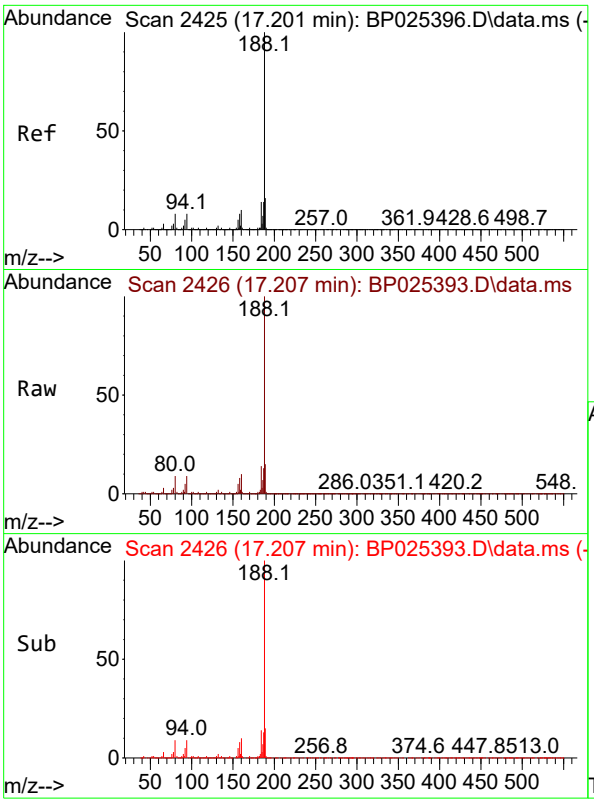


#63
Azobenzene
Concen: 5.159 ng
RT: 15.760 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 77 Resp: 128978

Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.5	47.5
105	21.6	2.1	42.1
51	29.7	9.6	49.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

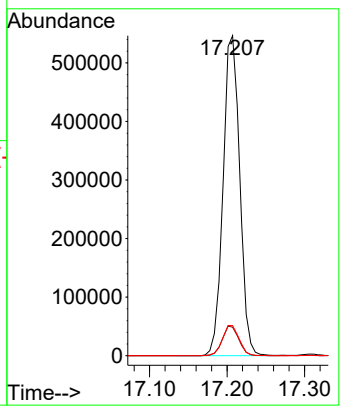
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

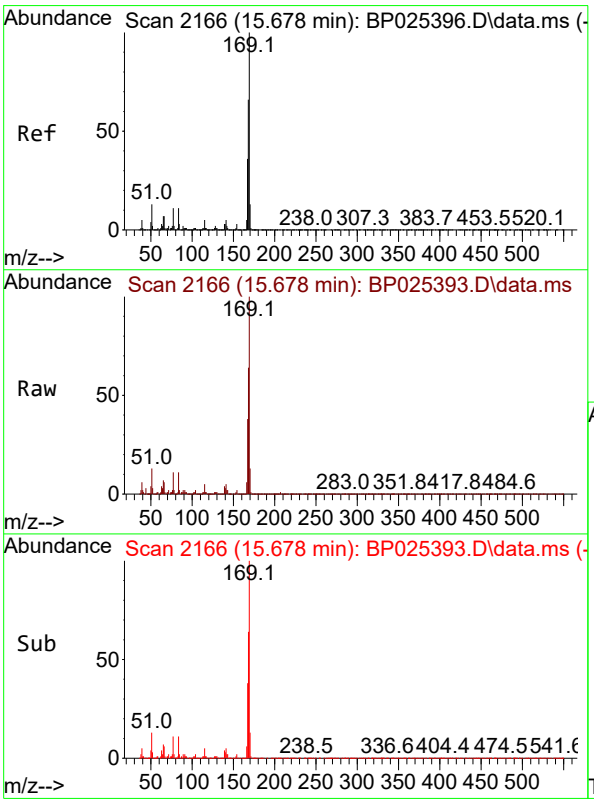
Tgt Ion:188 Resp: 81633

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.4	6.7	10.1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

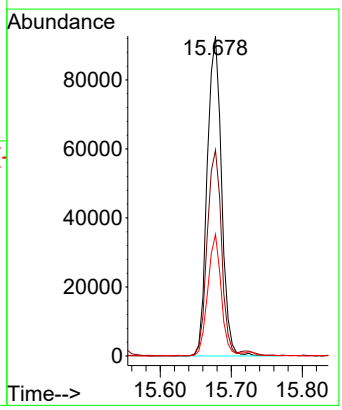


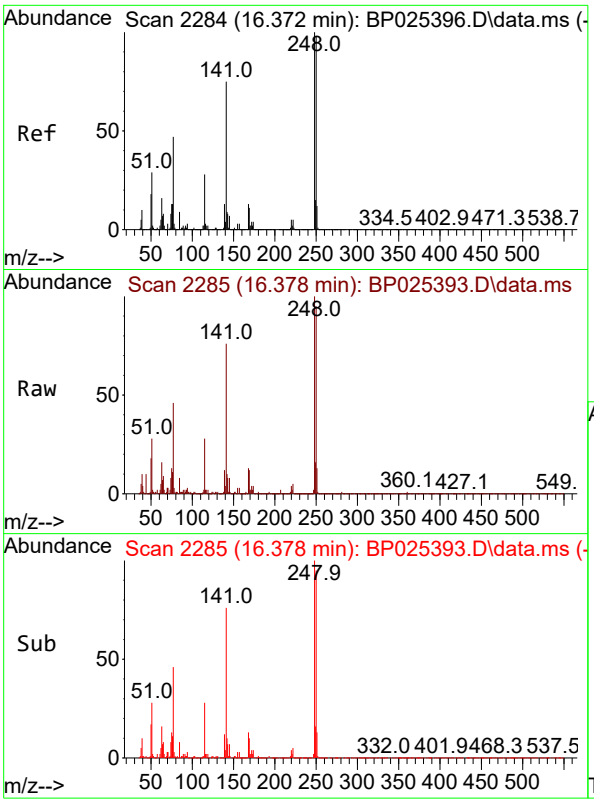


#66
n-Nitrosodiphenylamine
Concen: 5.214 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:169 Resp: 129805

Ion	Ratio	Lower	Upper
169	100		
168	64.3	53.2	79.8
167	38.0	28.7	43.1

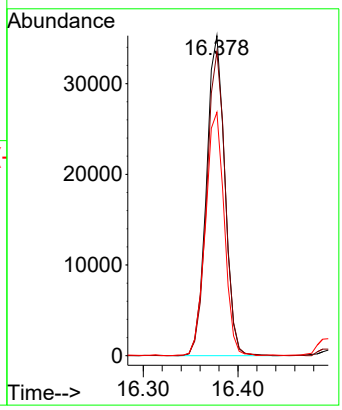




#67
4-Bromophenyl-phenylether
Concen: 5.299 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:248 Resp: 4757

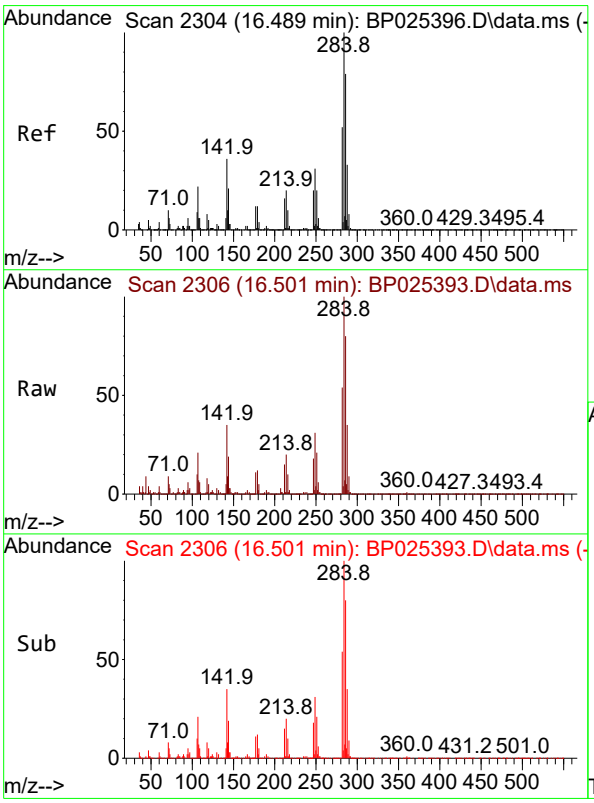
Ion	Ratio	Lower	Upper
248	100		
250	95.1	78.2	117.2
141	76.0	59.6	89.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

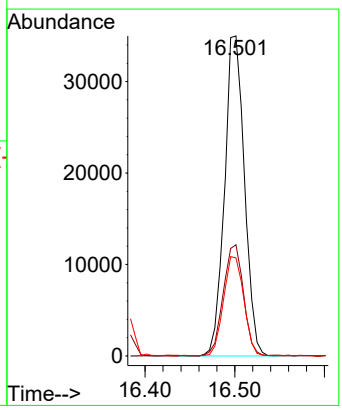
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

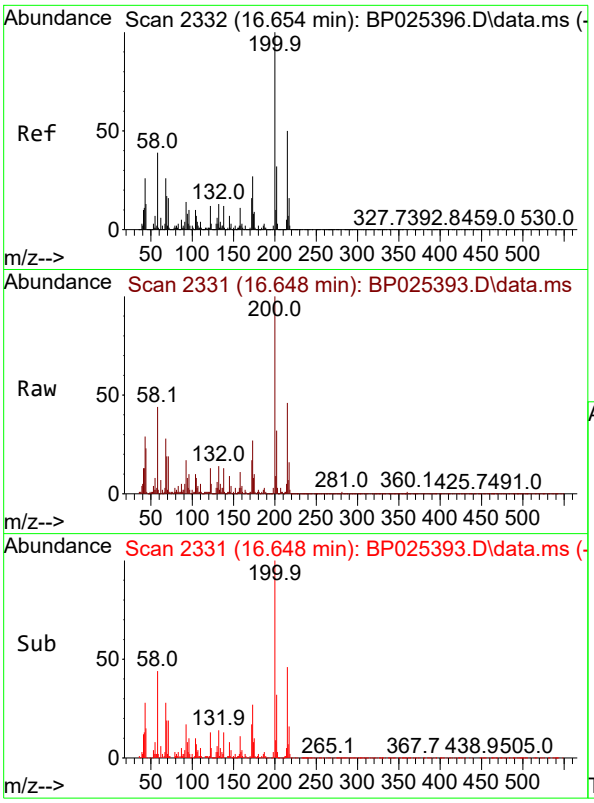


#68
Hexachlorobenzene
Concen: 5.183 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:284 Resp: 53940

Ion	Ratio	Lower	Upper
284	100		
142	34.7	29.1	43.7
249	30.6	25.0	37.4

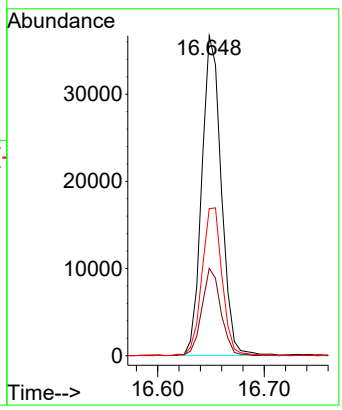




#69
Atrazine
Concen: 5.015 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:200 Resp: 4675

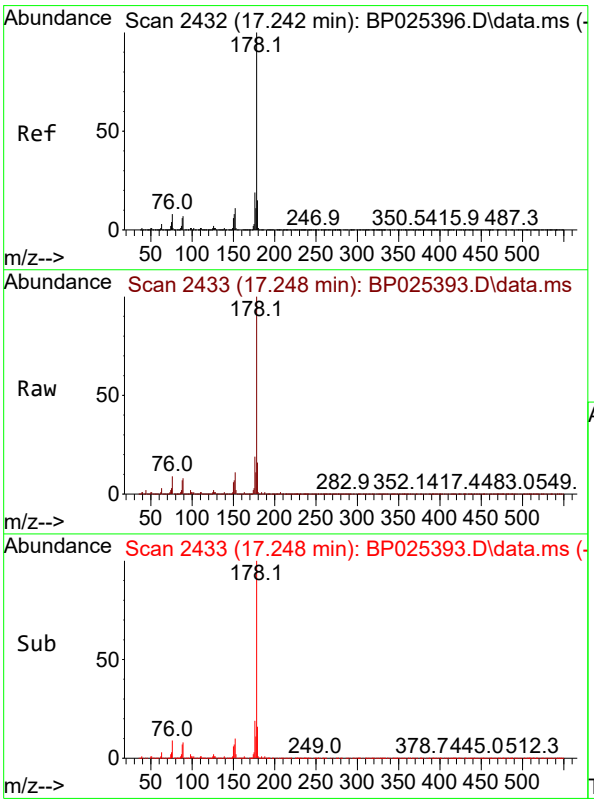
Ion	Ratio	Lower	Upper
200	100		
173	27.3	6.7	46.7
215	45.9	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

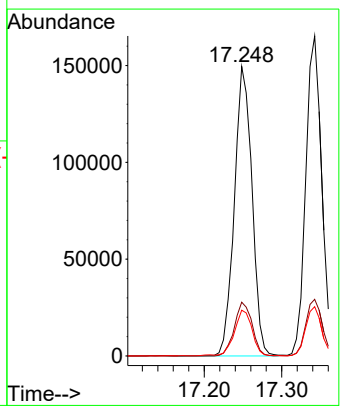
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

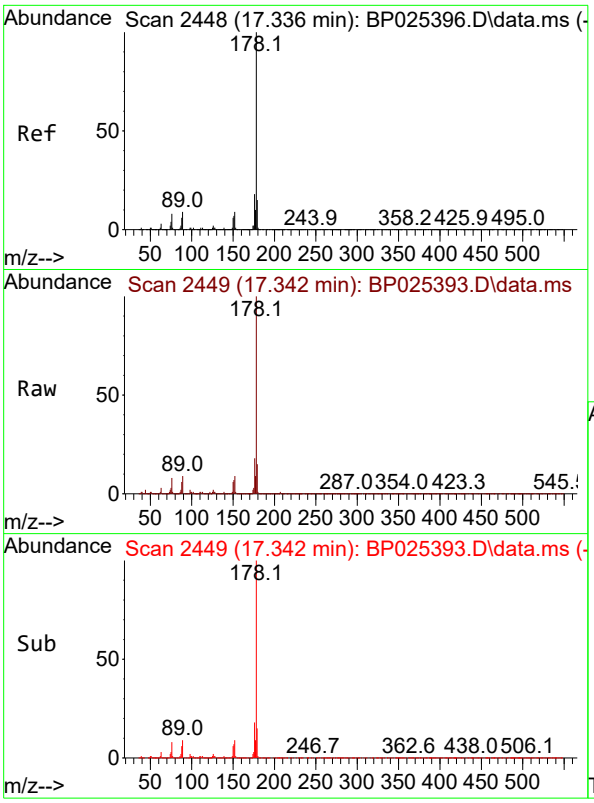


#71
Phenanthrene
Concen: 5.287 ng
RT: 17.248 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:178 Resp: 237107

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	15.8	12.2	18.4

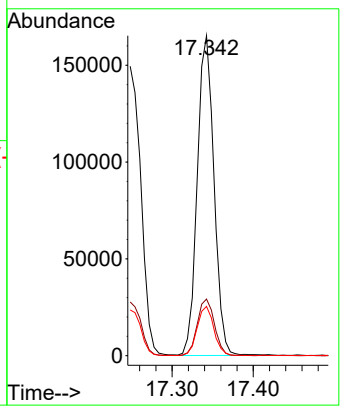




#72
Anthracene
Concen: 5.174 ng
RT: 17.342 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:178 Resp: 23693

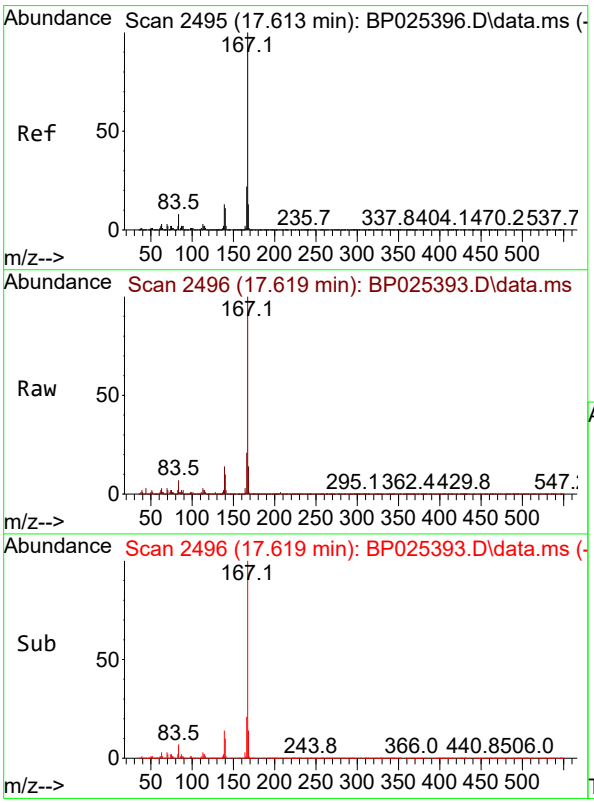
Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.7	22.1
179	15.4	12.2	18.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

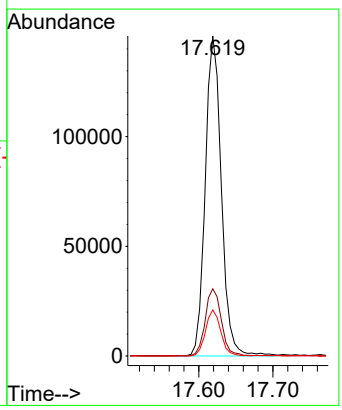
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

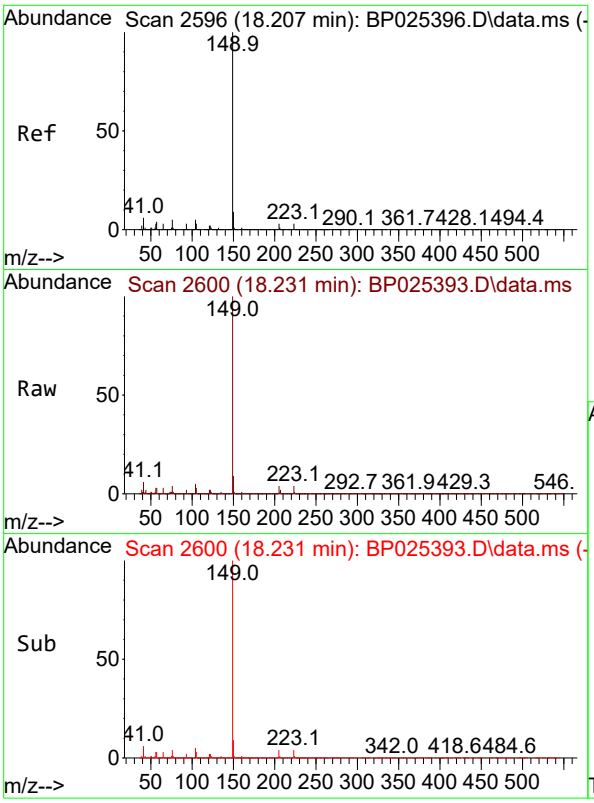


#73
Carbazole
Concen: 5.103 ng
RT: 17.619 min Scan# 2496
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:167 Resp: 220112

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.5	26.3
139	14.4	10.6	16.0

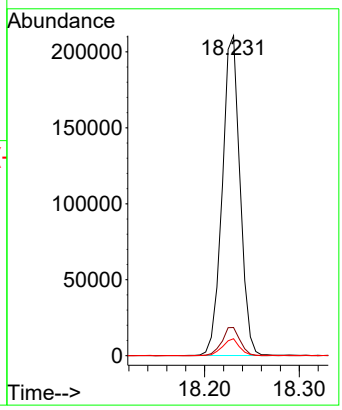




#74
Di-n-butylphthalate
Concen: 5.172 ng
RT: 18.231 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 27446

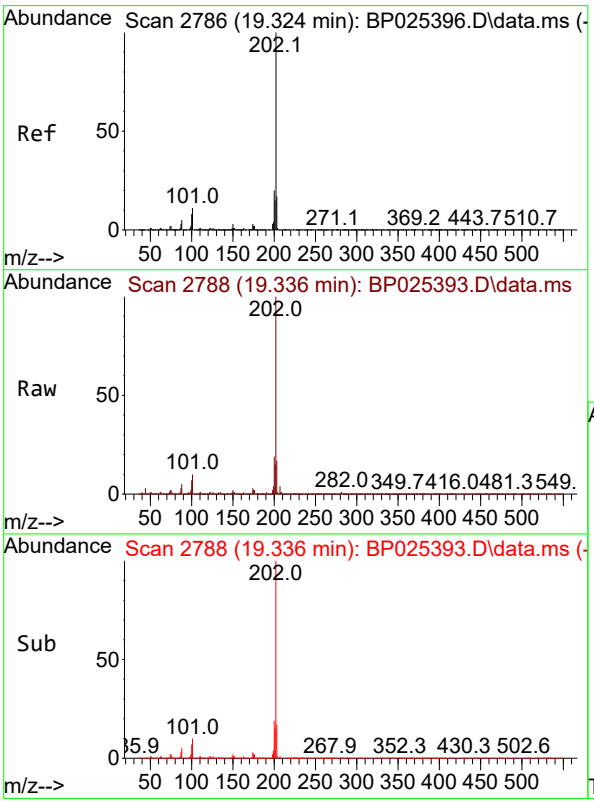
Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.0
104	5.3	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

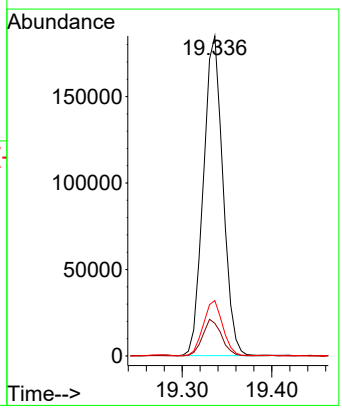
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

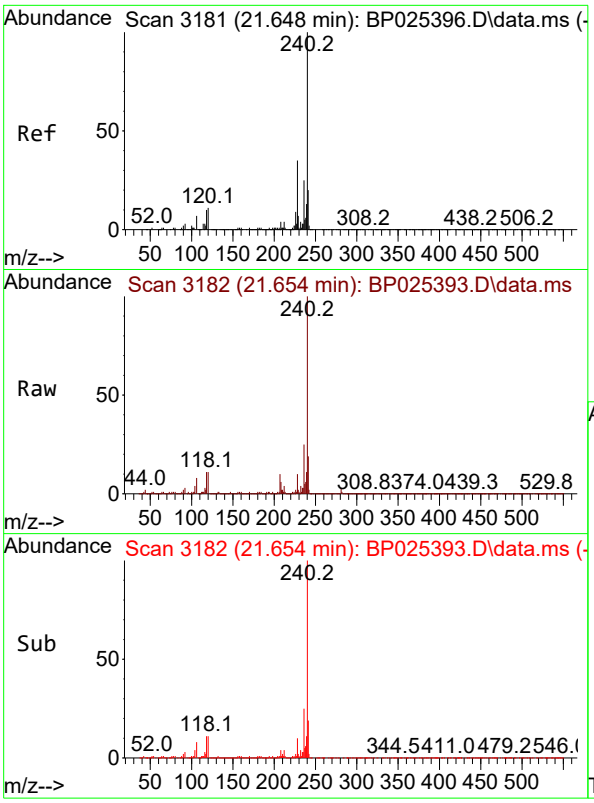


#75
Fluoranthene
Concen: 5.225 ng
RT: 19.336 min Scan# 2788
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:202 Resp: 279497

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.1
203	17.3	0.0	37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

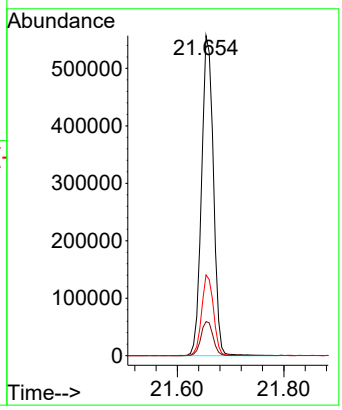
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

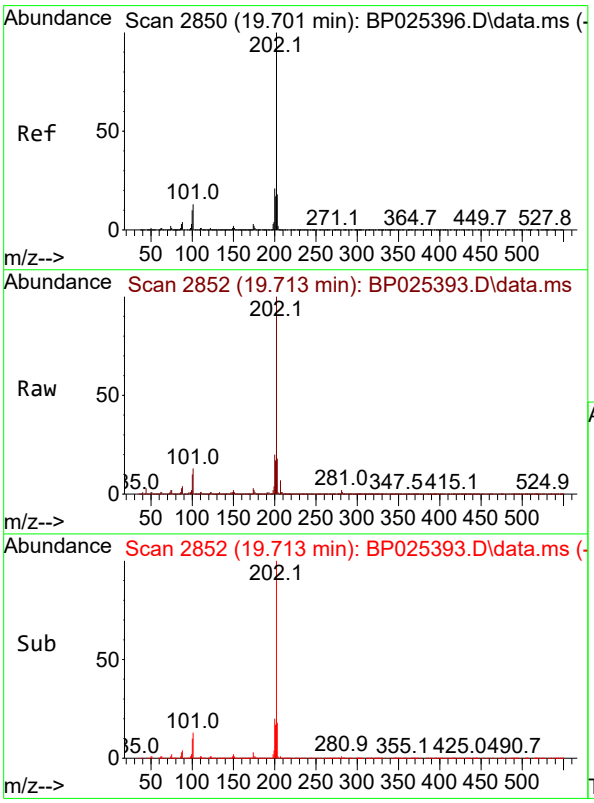
Tgt Ion:240 Resp: 85816

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.2	19.8	29.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

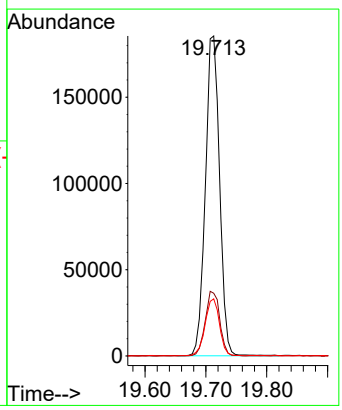


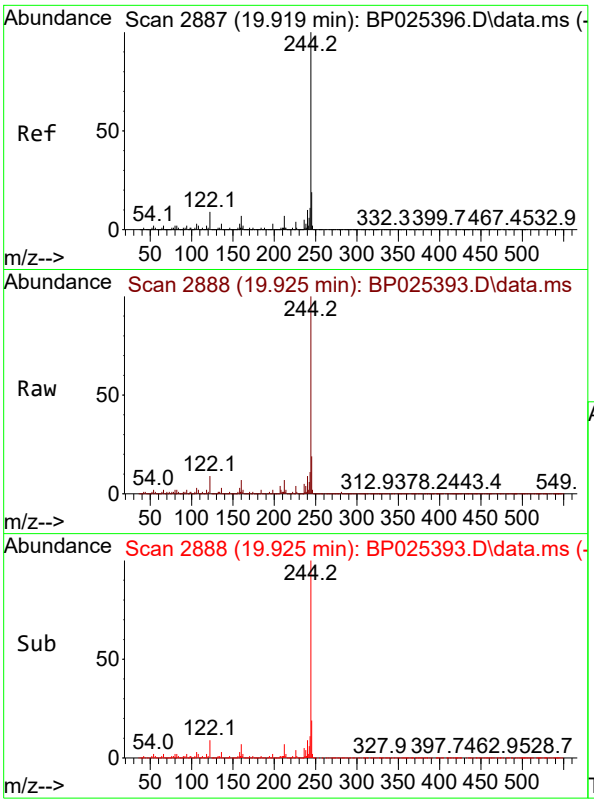


#78
Pyrene
Concen: 5.377 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:202 Resp: 299922

Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.9	25.3
203	17.8	14.2	21.2

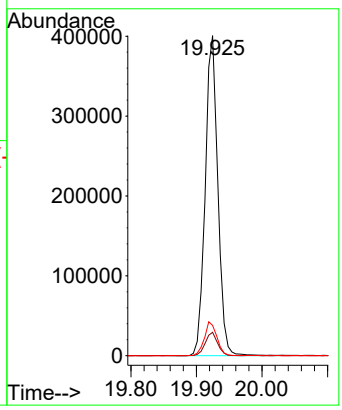




#79
Terphenyl-d14
Concen: 11.428 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:244 Resp: 53604

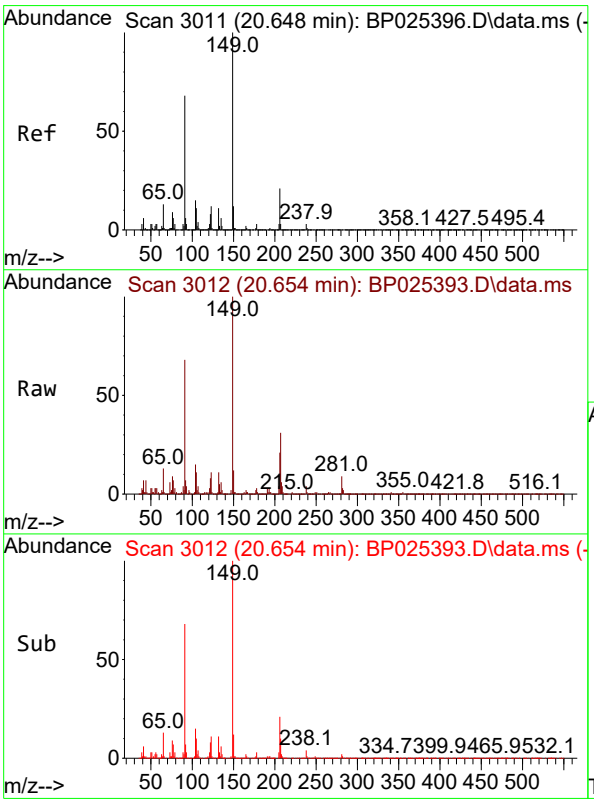
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.5	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

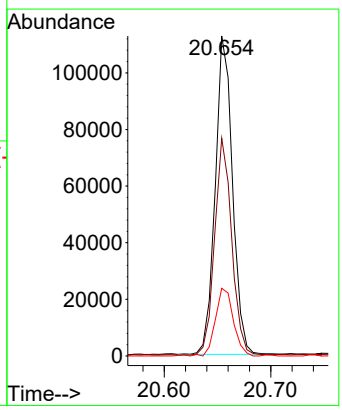
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

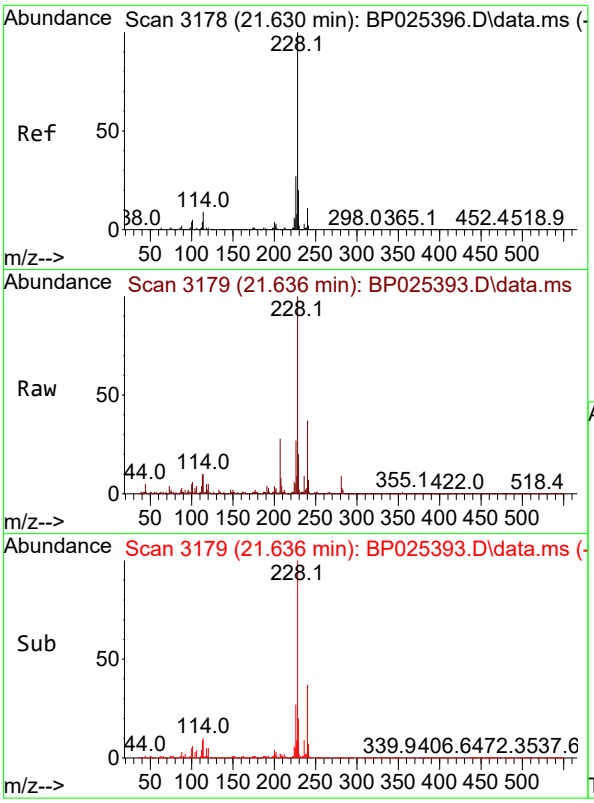


#80
Butylbenzylphthalate
Concen: 4.997 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 126321

Ion	Ratio	Lower	Upper
149	100		
91	68.0	54.2	81.2
206	21.1	16.6	24.8

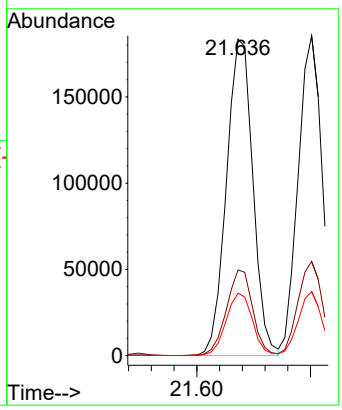




#81
Benzo(a)anthracene
Concen: 5.245 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:228 Resp: 29684

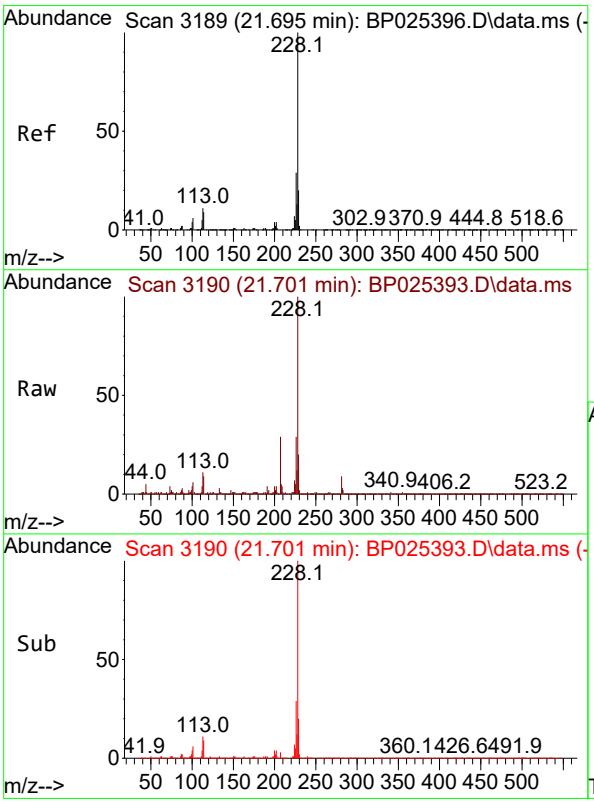
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

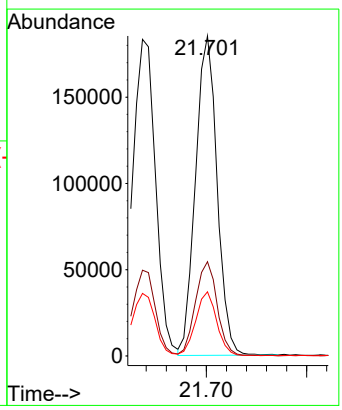
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

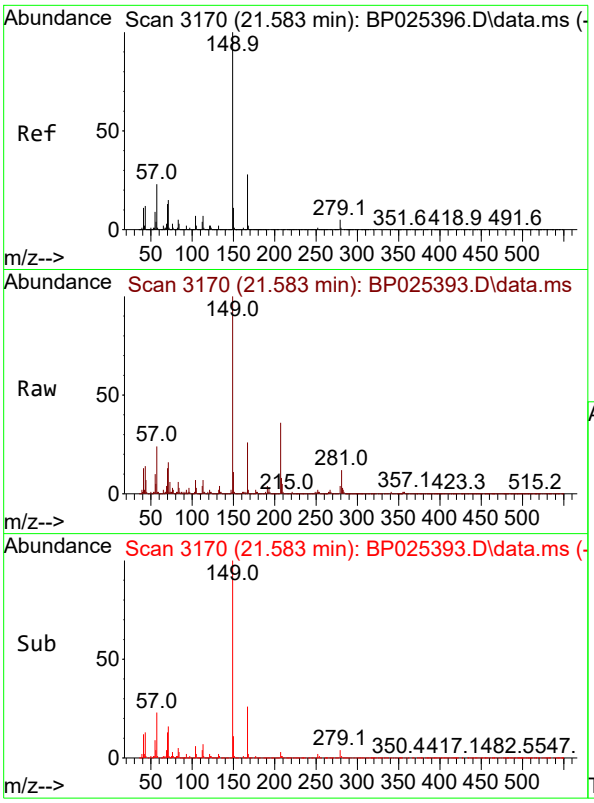


#83
Chrysene
Concen: 5.229 ng
RT: 21.701 min Scan# 3190
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:228 Resp: 277175

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	20.0	15.6	23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.228 ng
RT: 21.583 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

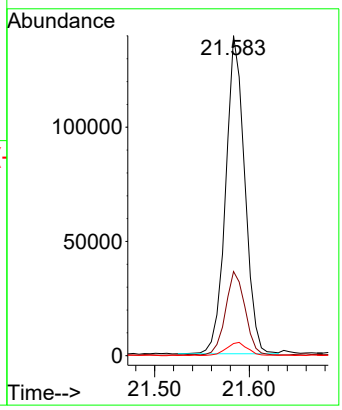
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

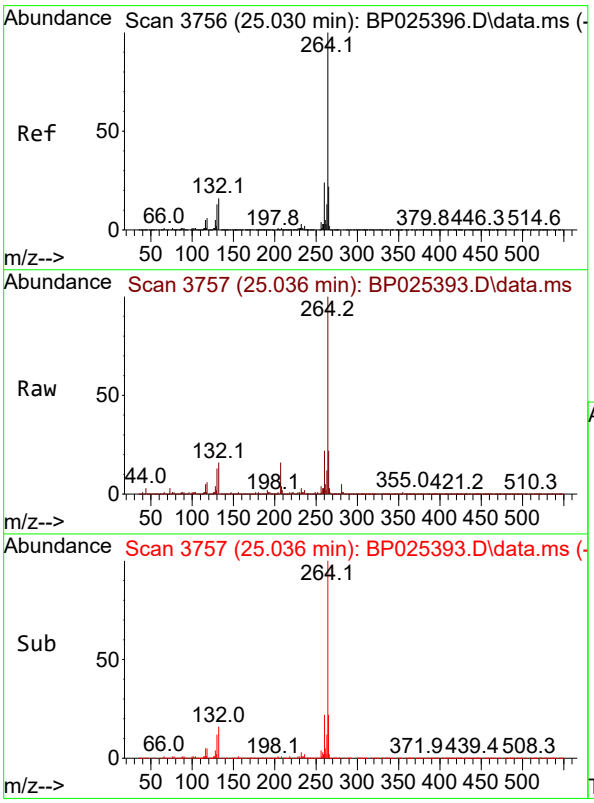
Tgt Ion:149 Resp: 19454

Ion	Ratio	Lower	Upper
149	100		
167	26.3	22.1	33.1
279	3.8	3.8	5.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

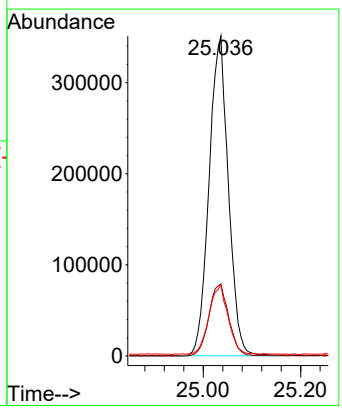


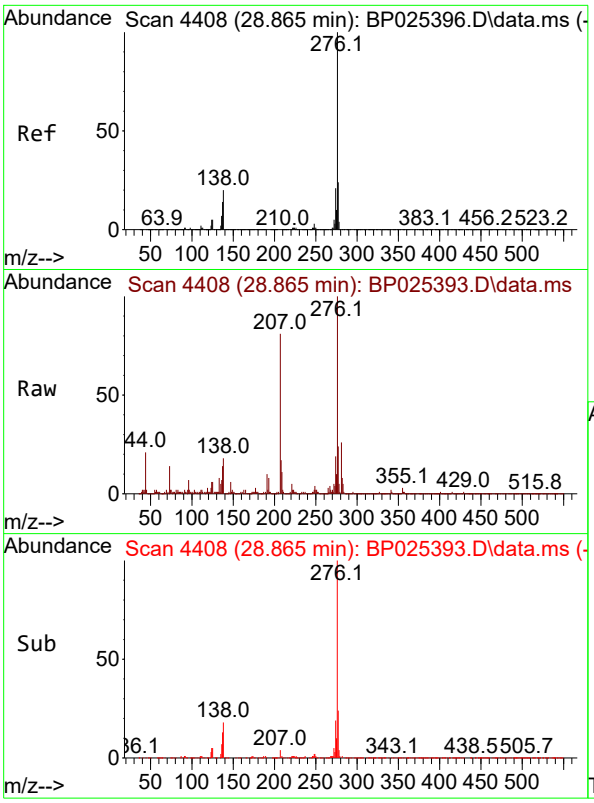


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:264 Resp: 963881

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.3	28.9
265	22.3	17.4	26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.956 ng
RT: 28.865 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

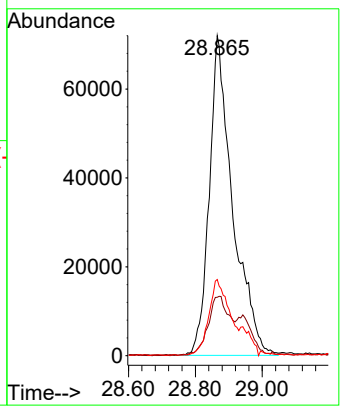
Tgt Ion:276 Resp: 35041

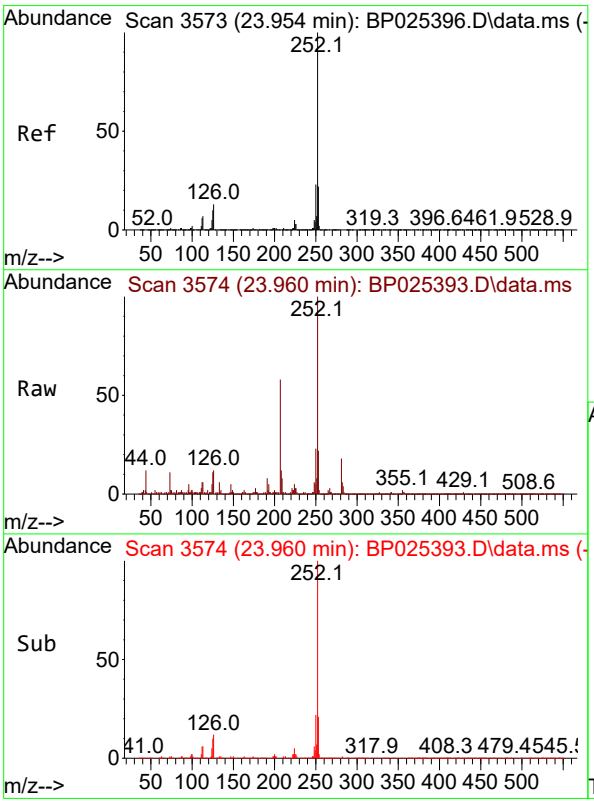
Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.9	19.3
277	20.8	17.0	25.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

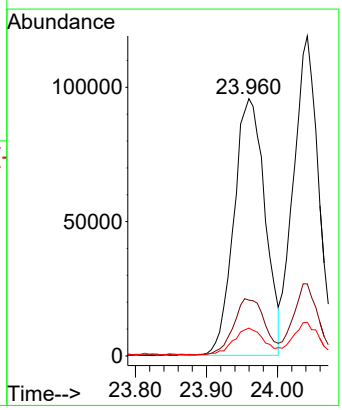


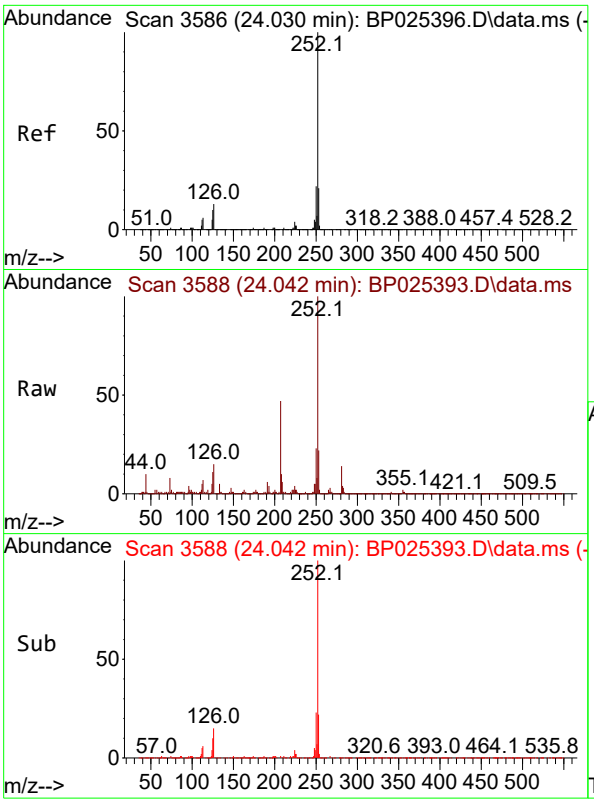


#88
Benzo(b)fluoranthene
Concen: 5.099 ng
RT: 23.960 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 289797

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	10.8	7.9	11.9

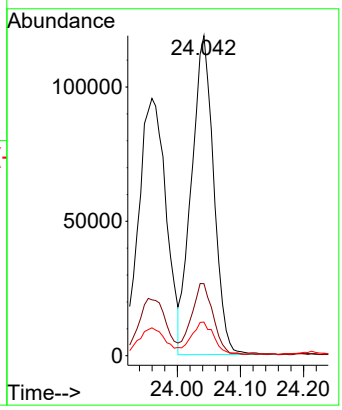




#89
Benzo(k)fluoranthene
Concen: 5.091 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 28955

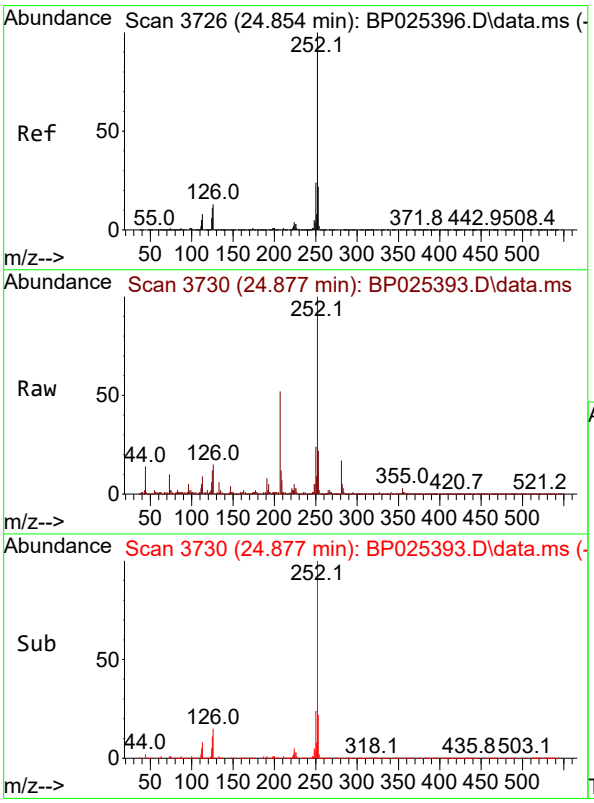
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	10.5	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

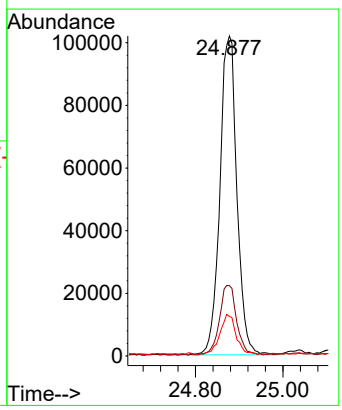
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

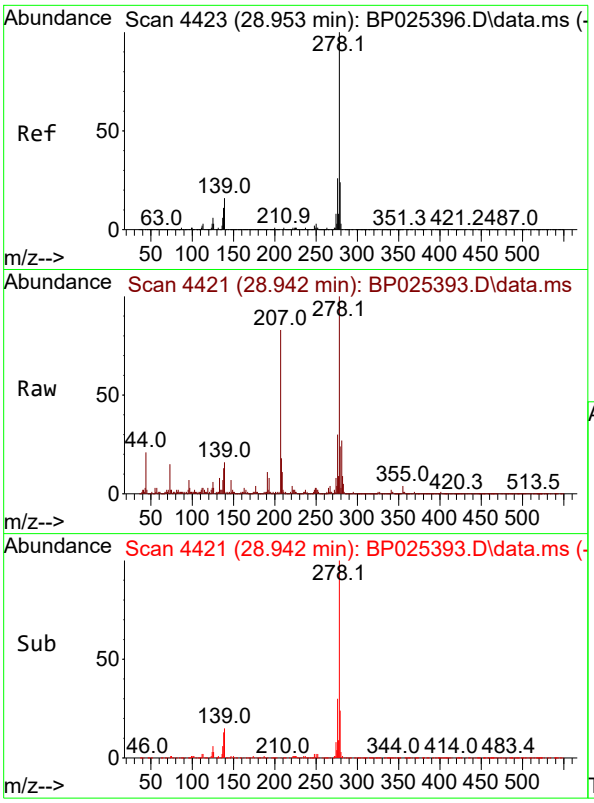


#90
Benzo(a)pyrene
Concen: 4.960 ng
RT: 24.877 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 274440

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	12.4	8.7	13.1

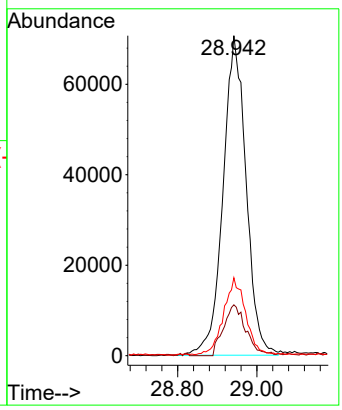




#91
Dibenzo(a,h)anthracene
Concen: 4.924 ng
RT: 28.942 min Scan# 44
Delta R.T. -0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:278 Resp: 28444

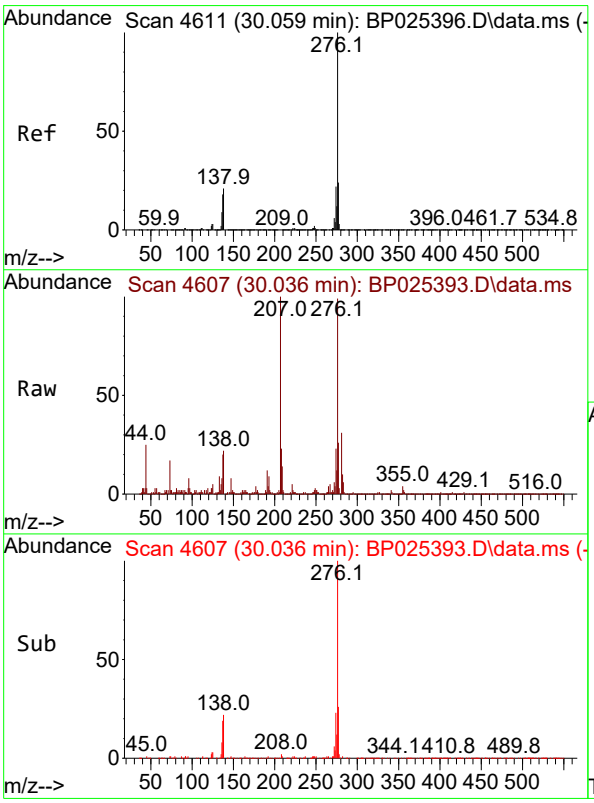
Ion	Ratio	Lower	Upper
278	100		
139	15.9	13.0	19.4
279	24.3	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

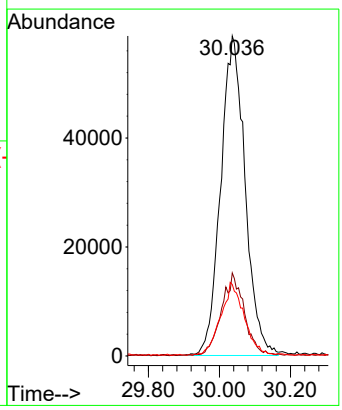
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 4.931 ng
RT: 30.036 min Scan# 4607
Delta R.T. -0.023 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:276 Resp: 279987

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.4	29.0
138	22.4	16.7	25.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025394.D
Acq On : 14 Aug 2025 13:56
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	137852	20.000	ng		0.00
21) Naphthalene-d8	10.566	136	563995	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	383199	20.000	ng		0.00
64) Phenanthrene-d10	17.207	188	780940	20.000	ng		0.00
76) Chrysene-d12	21.648	240	860386	20.000	ng		0.00
86) Perylene-d12	25.036	264	980670	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	162289	19.551	ng		0.00
7) Phenol-d6	6.966	99	202204	19.000	ng		0.00
23) Nitrobenzene-d5	8.931	82	212236	19.036	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	99083	19.210	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	568359	20.271	ng		0.00
79) Terphenyl-d14	19.924	244	946422	20.125	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	31948	9.826	ng		98
3) Pyridine	3.731	79	86156	9.681	ng		100
4) n-Nitrosodimethylamine	3.637	42	35519	9.681	ng	#	99
6) Aniline	7.125	93	135217	9.430	ng		99
8) 2-Chlorophenol	7.366	128	88413	9.439	ng		98
9) Benzaldehyde	6.943	77	68064m	9.129	ng		
10) Phenol	6.996	94	105394	9.438	ng		99
11) bis(2-Chloroethyl)ether	7.219	93	81541	9.368	ng		98
12) 1,3-Dichlorobenzene	7.684	146	98782	9.564	ng		98
13) 1,4-Dichlorobenzene	7.825	146	102729	9.731	ng		98
14) 1,2-Dichlorobenzene	8.143	146	98589	9.647	ng		98
15) Benzyl Alcohol	8.025	79	78411	9.273	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	109744	9.412	ng		99
17) 2-Methylphenol	8.231	107	70991	9.153	ng		98
18) Hexachloroethane	8.866	117	37473	9.654	ng		98
19) n-Nitroso-di-n-propyla...	8.584	70	66105	9.366	ng		99
20) 3+4-Methylphenols	8.549	107	99382	9.244	ng		97
22) Acetophenone	8.602	105	137361	9.712	ng	#	98
24) Nitrobenzene	8.972	77	96502	9.685	ng		97
25) Isophorone	9.502	82	189510	9.604	ng		99
26) 2-Nitrophenol	9.678	139	45860	8.968	ng		96
27) 2,4-Dimethylphenol	9.737	122	85465	9.718	ng		98
28) bis(2-Chloroethoxy)met...	9.972	93	114635	9.611	ng		99
29) 2,4-Dichlorophenol	10.213	162	82676	9.464	ng		97
30) 1,2,4-Trichlorobenzene	10.431	180	92664	9.676	ng		94
31) Naphthalene	10.613	128	287754	9.816	ng		99
32) Benzoic acid	9.825	122	53034m	8.188	ng		
33) 4-Chloroaniline	10.713	127	122647	9.472	ng		98
34) Hexachlorobutadiene	10.901	225	57821	9.695	ng		97
35) Caprolactam	11.472	113	32038	10.001	ng		93
36) 4-Chloro-3-methylphenol	11.837	107	94538	9.431	ng		97
37) 2-Methylnaphthalene	12.219	142	184172	9.654	ng		100
38) 1-Methylnaphthalene	12.437	142	199160	9.817	ng		97
40) 1,2,4,5-Tetrachloroben...	12.590	216	107104	9.678	ng		99
41) Hexachlorocyclopentadiene	12.572	237	52588	7.867	ng		97
43) 2,4,6-Trichlorophenol	12.831	196	69780	9.339	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025394.D
Acq On : 14 Aug 2025 13:56
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	73744	9.006	ng	98
46) 1,1'-Biphenyl	13.237	154	271710	9.763	ng	98
47) 2-Chloronaphthalene	13.272	162	209419	9.666	ng	99
48) 2-Nitroaniline	13.466	65	58630	9.287	ng	97
49) Acenaphthylene	14.119	152	346021	9.652	ng	99
50) Dimethylphthalate	13.860	163	277701	9.896	ng	99
51) 2,6-Dinitrotoluene	13.972	165	54957	9.292	ng	96
52) Acenaphthene	14.472	154	207239m	9.848	ng	
53) 3-Nitroaniline	14.301	138	62991	9.466	ng	93
54) 2,4-Dinitrophenol	14.513	184	21748	6.886	ng	99
55) Dibenzofuran	14.807	168	327734	9.851	ng	100
56) 4-Nitrophenol	14.625	139	48103	8.797	ng	97
57) 2,4-Dinitrotoluene	14.766	165	77950	9.237	ng	100
58) Fluorene	15.472	166	266610	10.156	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.042	232	68931	9.533	ng	99
60) Diethylphthalate	15.242	149	282526	9.909	ng	98
61) 4-Chlorophenyl-phenyle...	15.466	204	131137	10.044	ng	99
62) 4-Nitroaniline	15.478	138	64375	9.437	ng	99
63) Azobenzene	15.766	77	234879	9.620	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	37380	7.679	ng	97
66) n-Nitrosodiphenylamine	15.684	169	235344	9.883	ng	100
67) 4-Bromophenyl-phenylether	16.384	248	80373	9.358	ng	98
68) Hexachlorobenzene	16.501	284	98614	9.905	ng	96
69) Atrazine	16.660	200	88240	9.894	ng	98
70) Pentachlorophenol	16.854	266	52539	8.360	ng	97
71) Phenanthrene	17.248	178	429752	10.018	ng	99
72) Anthracene	17.348	178	438953	10.020	ng	100
73) Carbazole	17.619	167	410726	9.954	ng	99
74) Di-n-butylphthalate	18.219	149	490232	9.656	ng	99
75) Fluoranthene	19.330	202	516523	10.094	ng	99
77) Benzidine	19.525	184	276193	9.406	ng	99
78) Pyrene	19.707	202	542670	9.704	ng	100
80) Butylbenzylphthalate	20.660	149	239416	9.446	ng	98
81) Benzo(a)anthracene	21.624	228	560279	9.874	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	207153	9.686	ng	99
83) Chrysene	21.701	228	522411	9.831	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	355530	9.529	ng	99
85) Di-n-octyl phthalate	22.877	149	594195	9.259	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	678980m	9.438	ng	
88) Benzo(b)fluoranthene	23.954	252	552191	9.549	ng	99
89) Benzo(k)fluoranthene	24.018	252	567080	9.800	ng	98
90) Benzo(a)pyrene	24.854	252	535820	9.519	ng	99
91) Dibenzo(a,h)anthracene	28.959	278	551694	9.387	ng	99
92) Benzo(g,h,i)perylene	30.047	276	548117	9.489	ng	99

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

ICAL Form

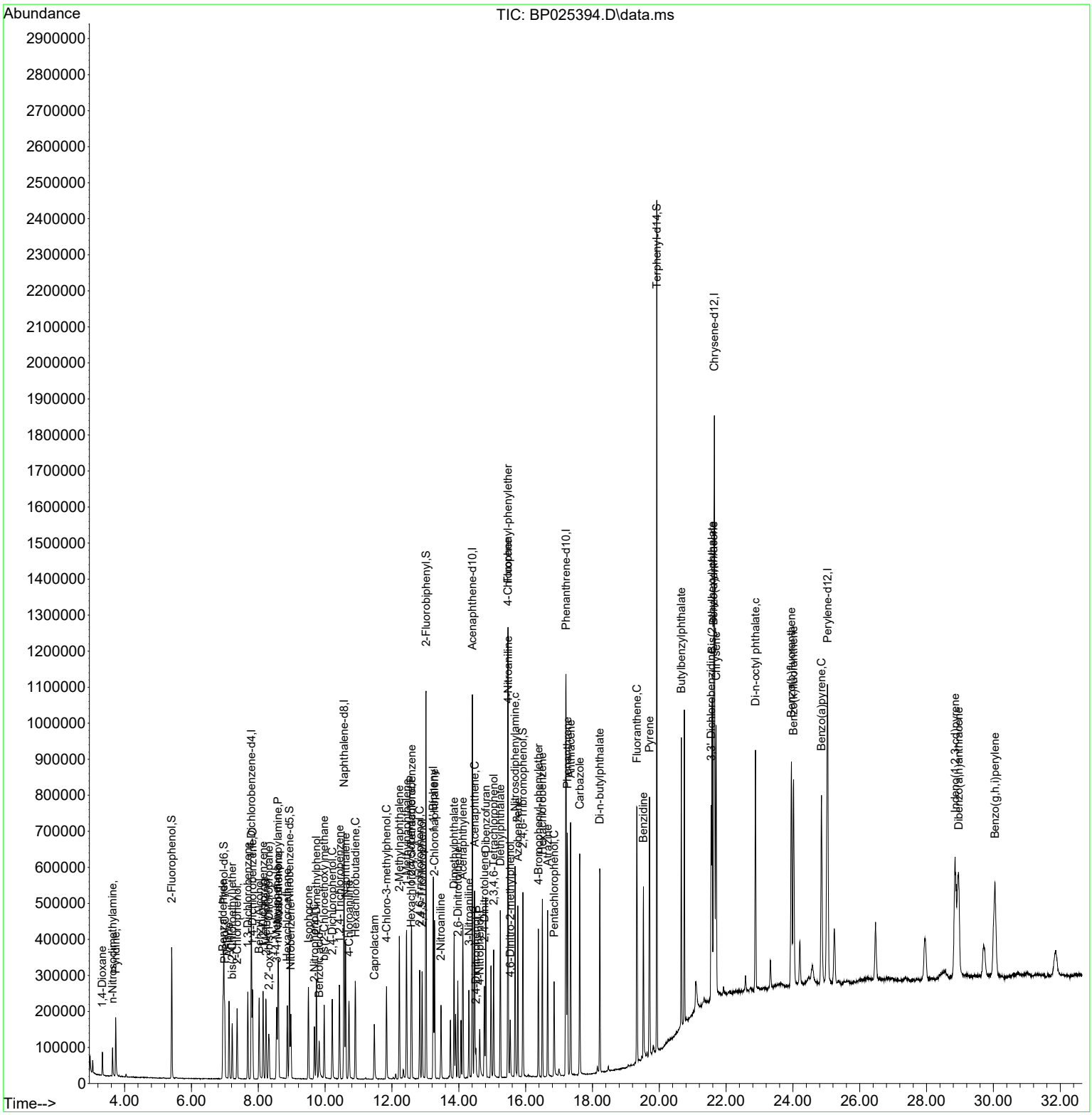
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025394.D
Acq On : 14 Aug 2025 13:56
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

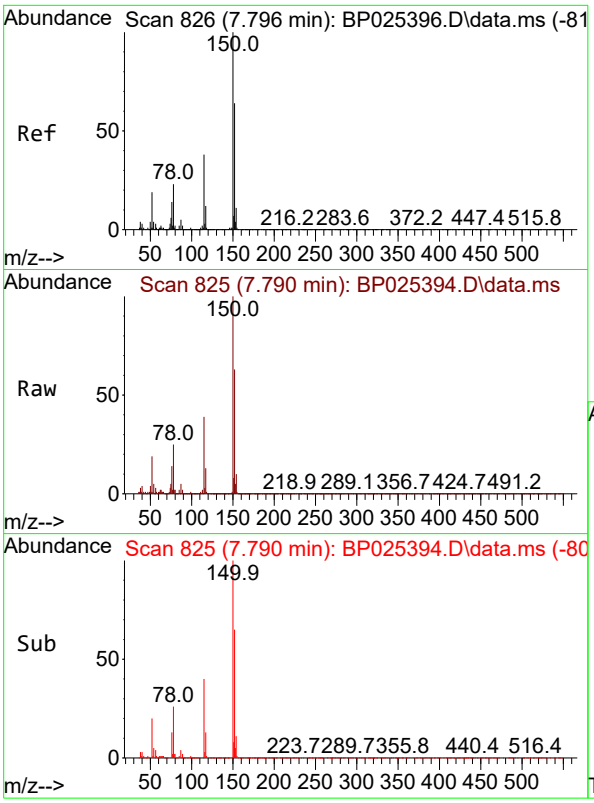
Quant Time: Aug 14 17:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

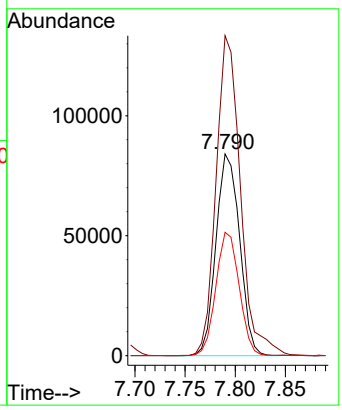




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:152 Resp: 13785

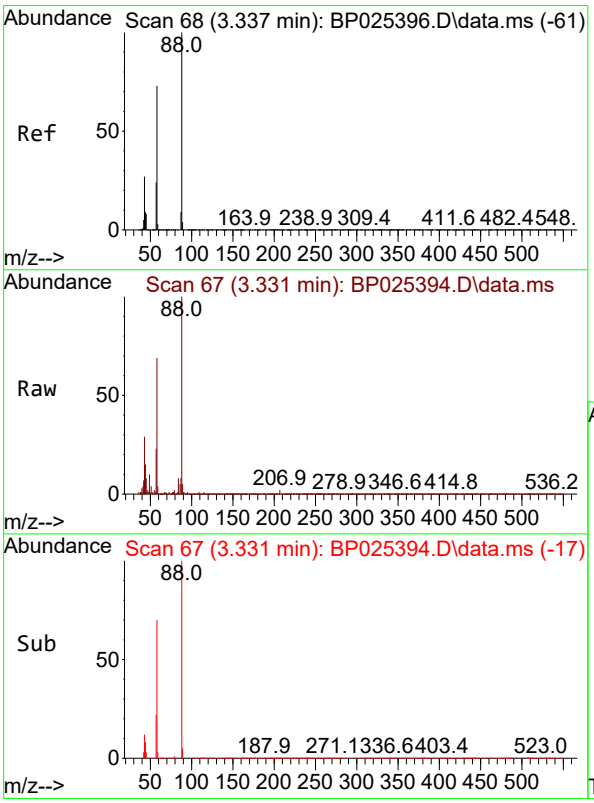
Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.9	188.9
115	61.1	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

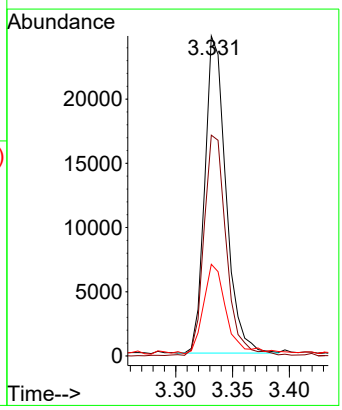
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

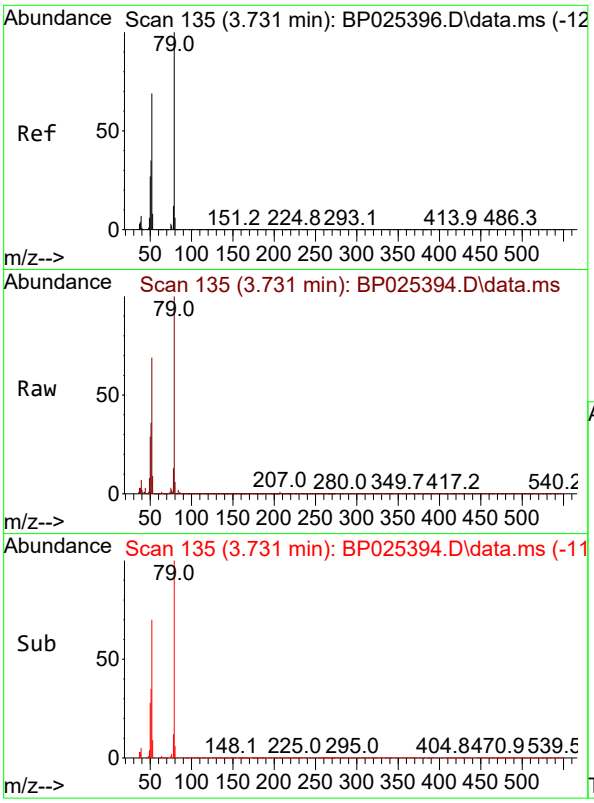


#2
1,4-Dioxane
Concen: 9.826 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 88 Resp: 31948

Ion	Ratio	Lower	Upper
88	100		
58	74.0	59.2	88.8
43	30.8	21.7	32.5

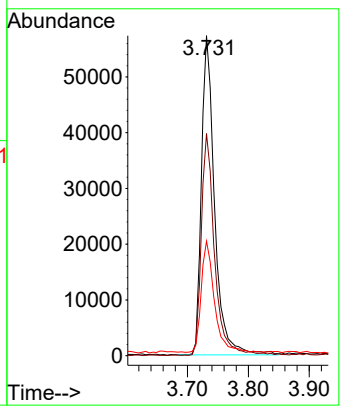




#3
Pyridine
Concen: 9.681 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 79 Resp: 8615

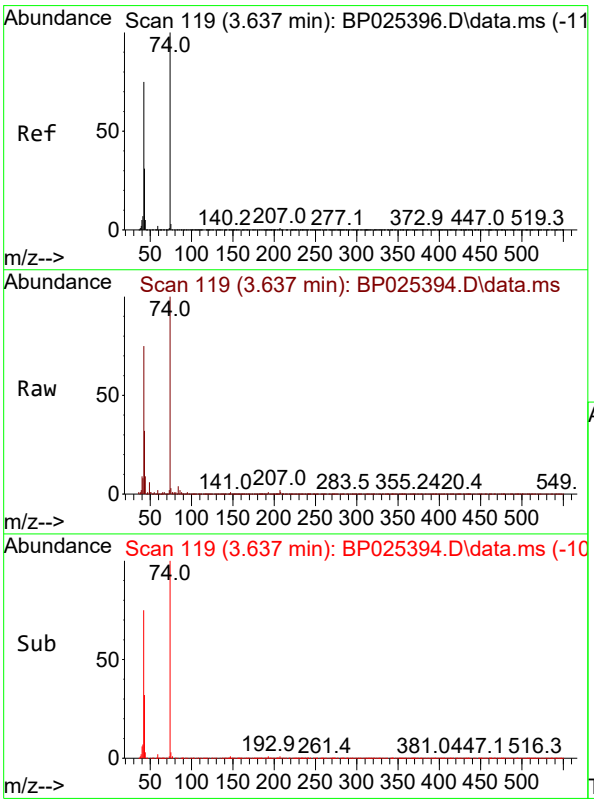
Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.8	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

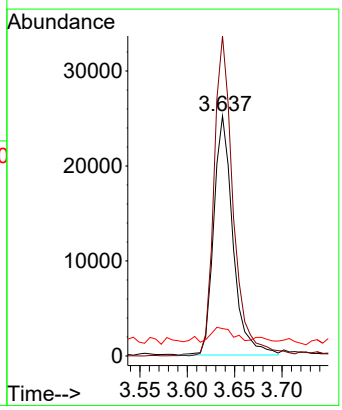
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

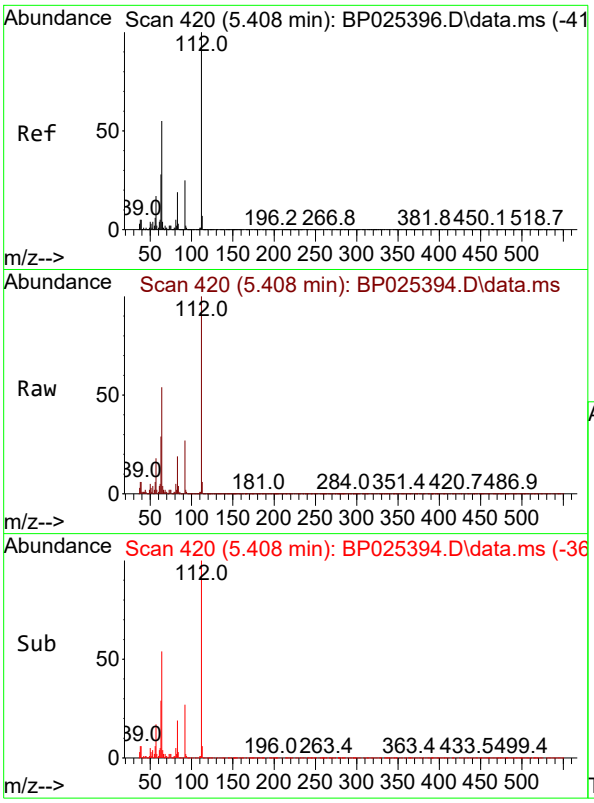


#4
n-Nitrosodimethylamine
Concen: 9.681 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 42 Resp: 35519

Ion	Ratio	Lower	Upper
42	100		
74	133.3	107.0	160.4
44	11.4	6.2	9.4#

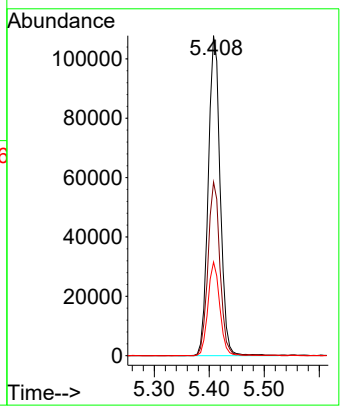




#5
2-Fluorophenol
Concen: 19.551 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:112 Resp: 16228

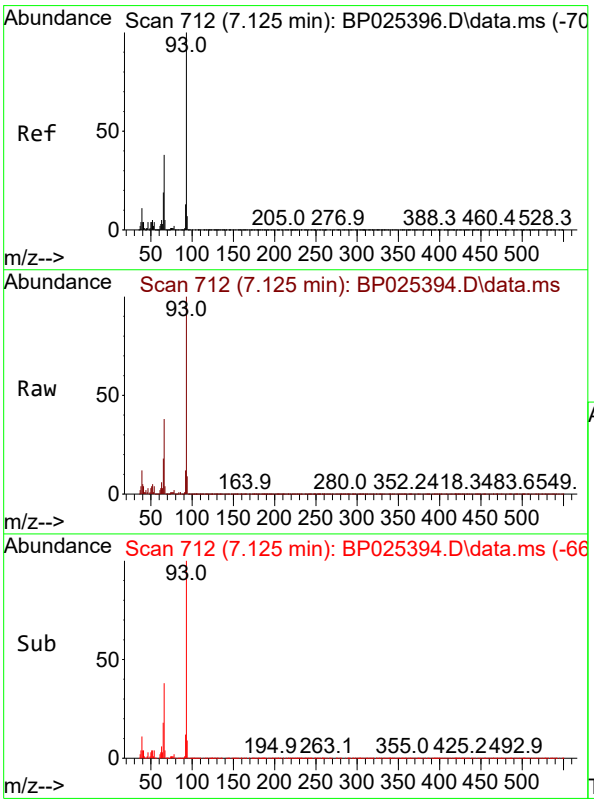
Ion	Ratio	Lower	Upper
112	100		
64	54.3	43.8	65.8
63	29.3	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

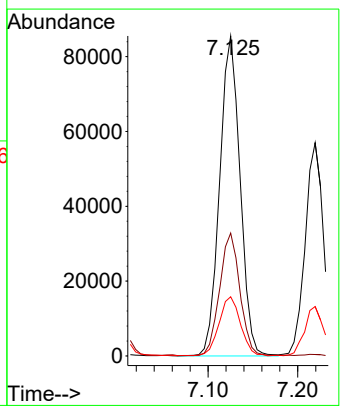
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

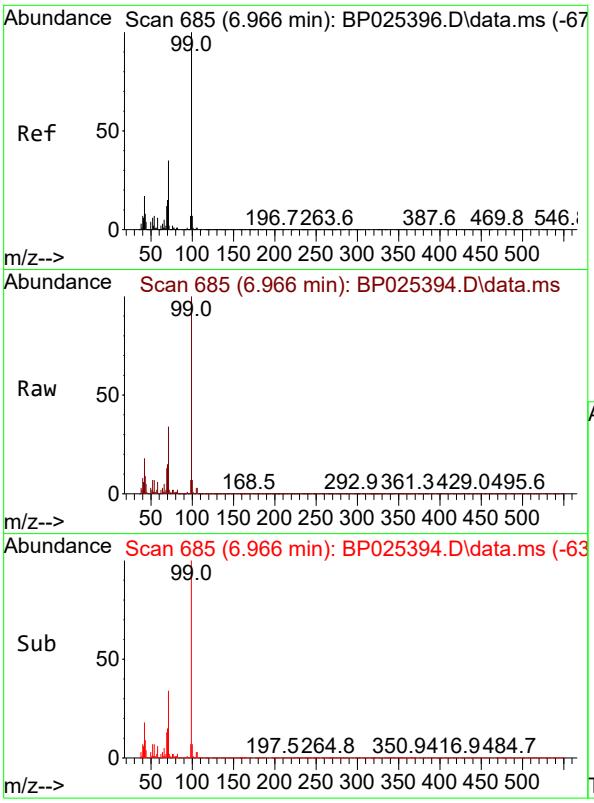


#6
Aniline
Concen: 9.430 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 93 Resp: 135217

Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.4	45.6
65	18.5	15.3	22.9

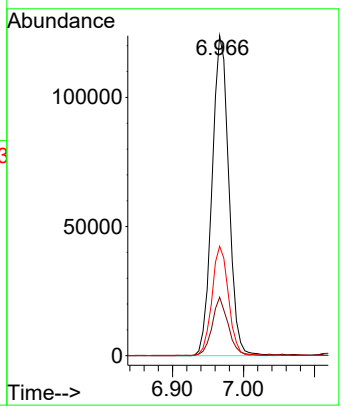




#7
Phenol-d6
Concen: 19.000 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 99 Resp: 20220

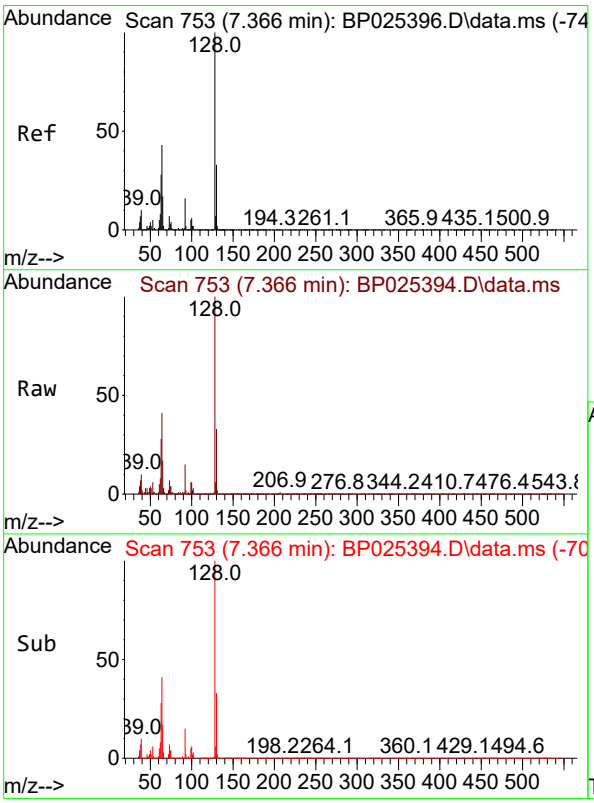
Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.7	20.5
71	34.2	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

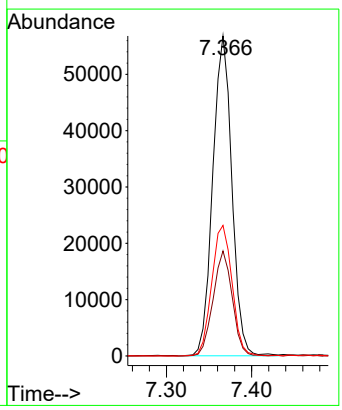
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

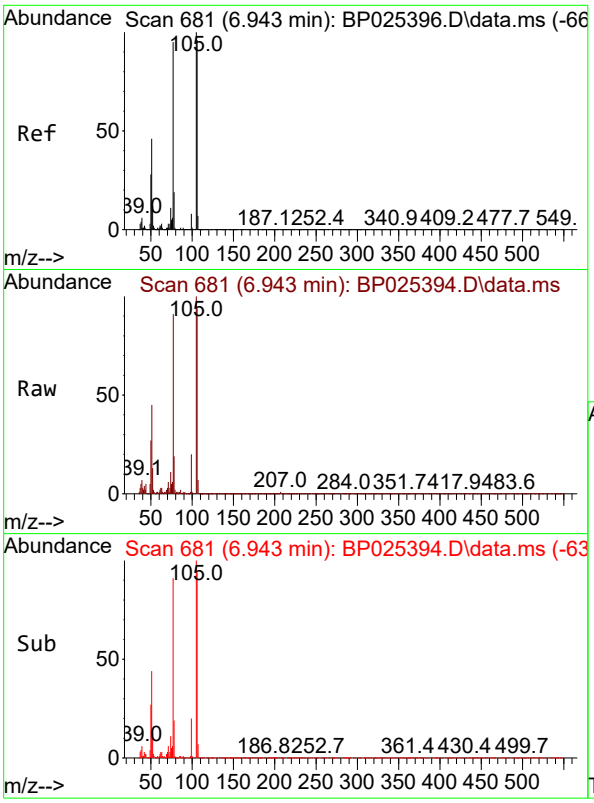


#8
2-Chlorophenol
Concen: 9.439 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:128 Resp: 88413

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	40.8	23.4	63.4

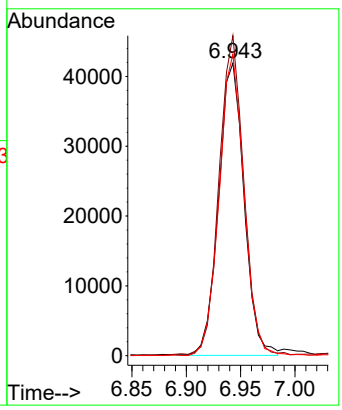




#9
Benzaldehyde
Concen: 9.129 ng m
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 77 Resp: 6806

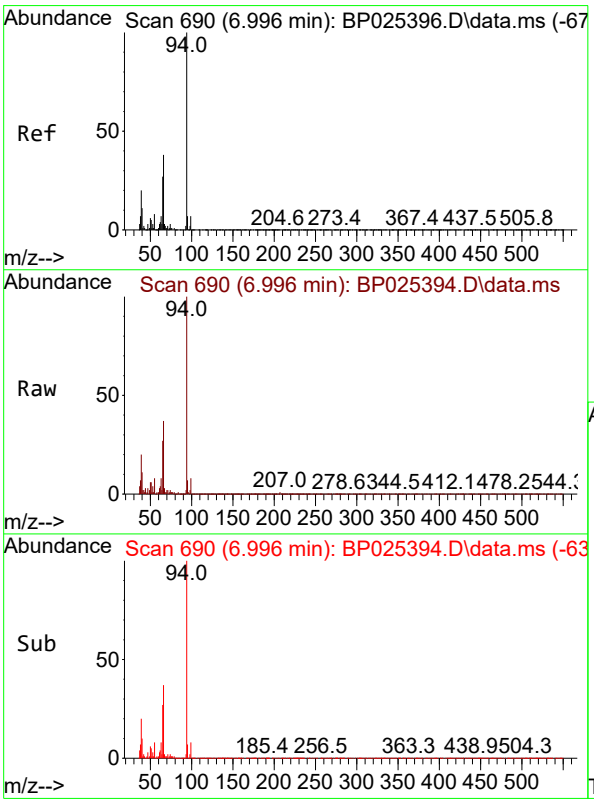
Ion	Ratio	Lower	Upper
77	100		
105	109.4	84.8	124.8
106	103.0	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

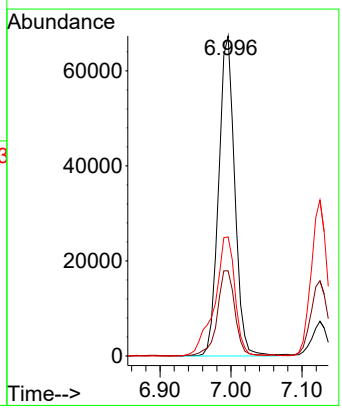
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

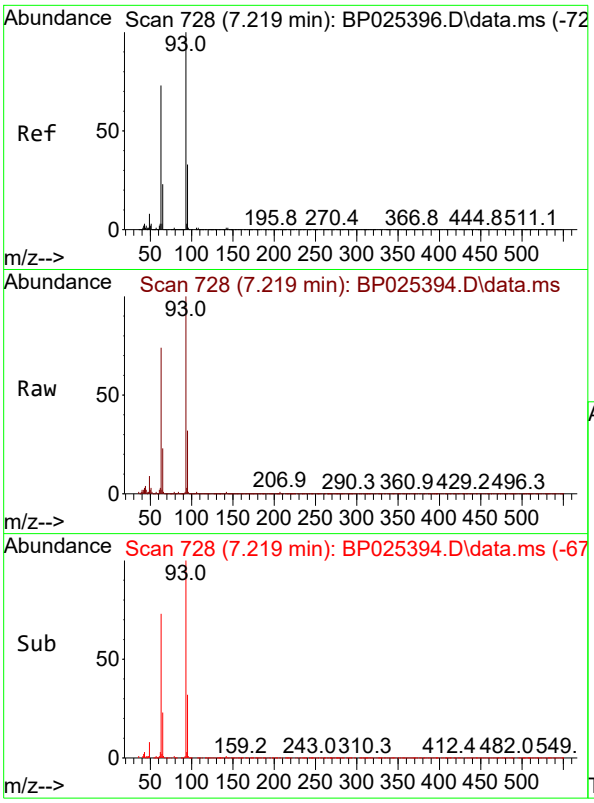


#10
Phenol
Concen: 9.438 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 94 Resp: 105394

Ion	Ratio	Lower	Upper
94	100		
65	26.6	6.8	46.8
66	37.2	18.2	58.2

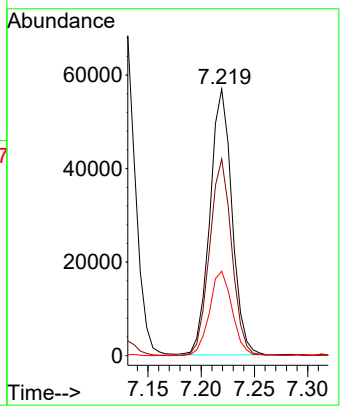




#11
bis(2-Chloroethyl)ether
Concen: 9.368 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 93 Resp: 8154

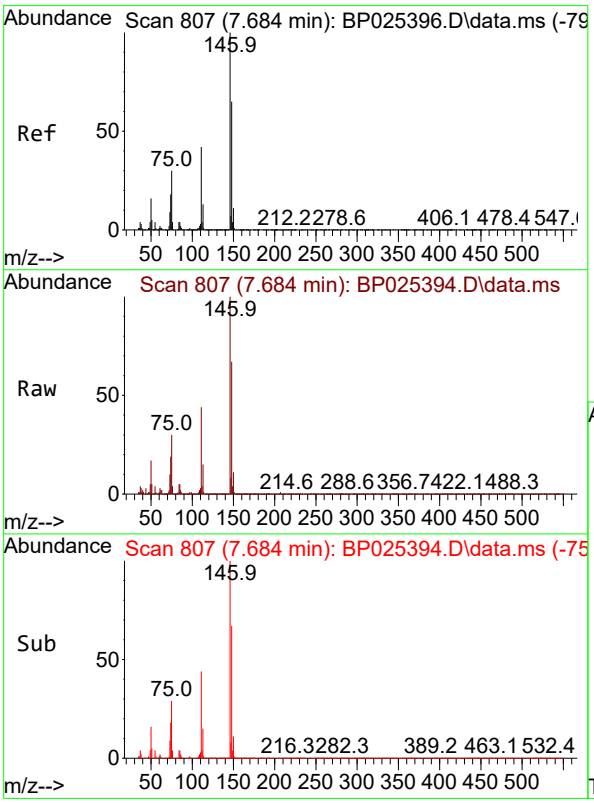
Ion	Ratio	Lower	Upper
93	100		
63	73.7	52.6	92.6
95	31.7	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

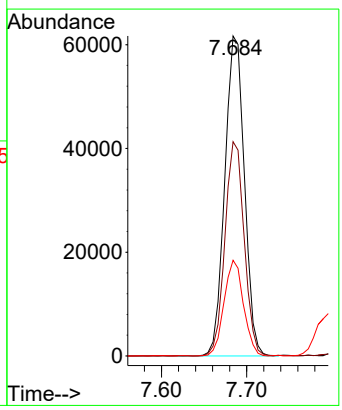
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

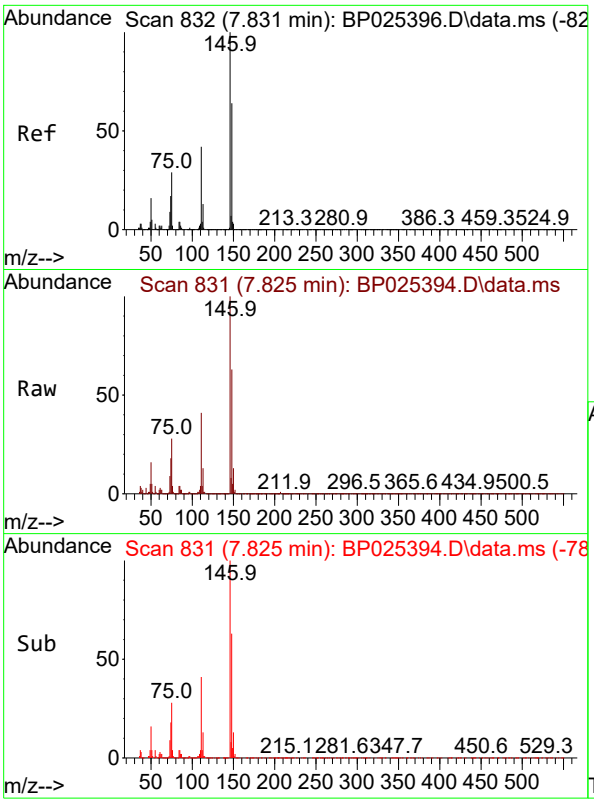


#12
1,3-Dichlorobenzene
Concen: 9.564 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:146 Resp: 98782

Ion	Ratio	Lower	Upper
146	100		
148	67.0	51.9	77.9
75	29.9	23.7	35.5

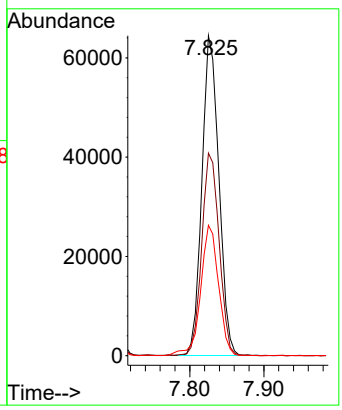




#13
1,4-Dichlorobenzene
Concen: 9.731 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:146 Resp: 10272

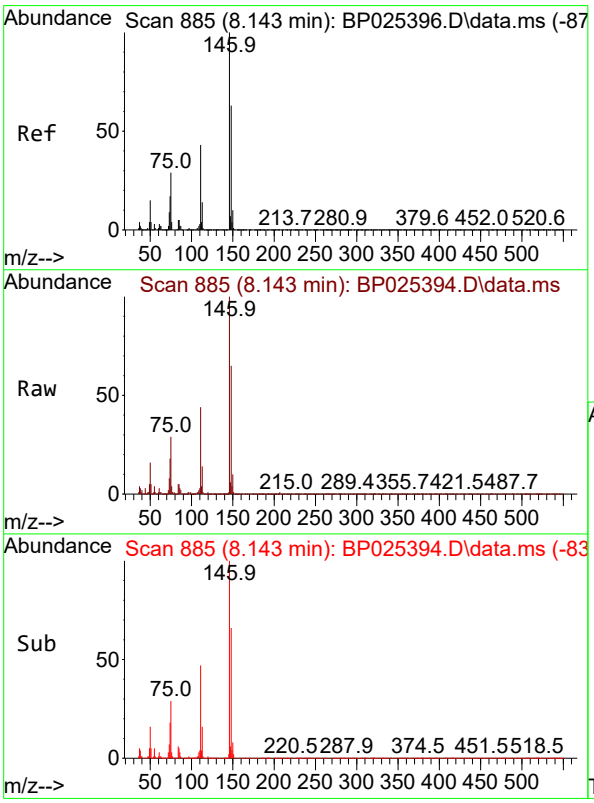
Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.6	77.4
111	40.8	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

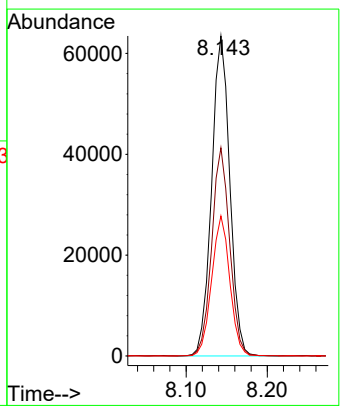
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

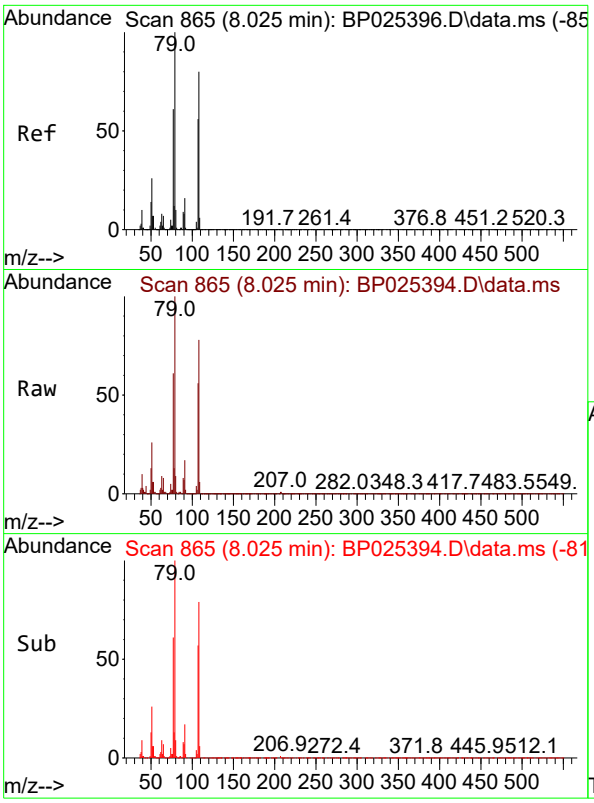


#14
1,2-Dichlorobenzene
Concen: 9.647 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:146 Resp: 98589

Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.4	75.6
111	43.7	34.5	51.7





#15
Benzyl Alcohol
Concen: 9.273 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

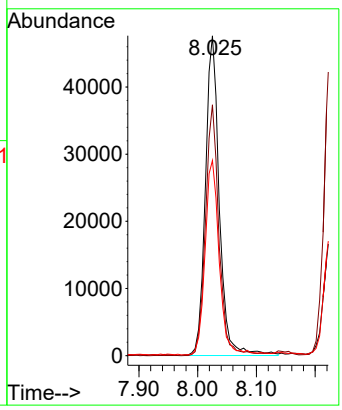
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

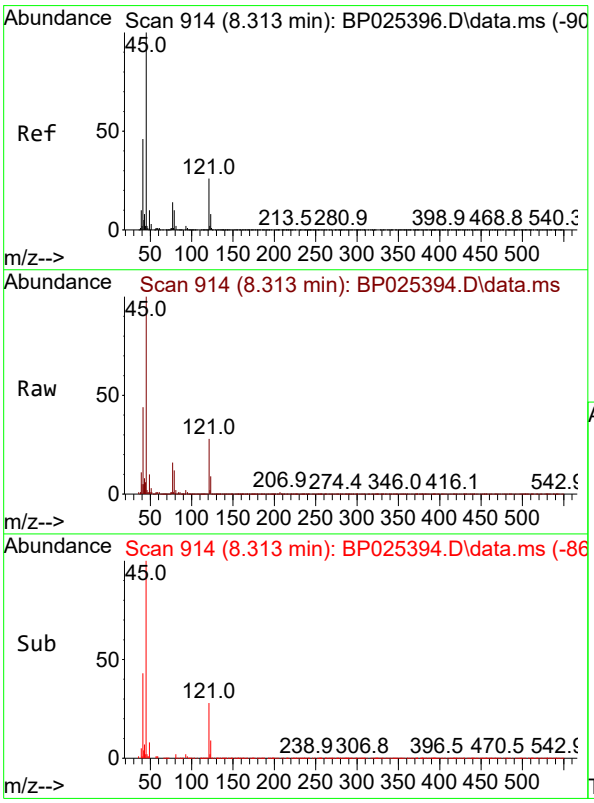
Tgt Ion: 79 Resp: 7841

Ion	Ratio	Lower	Upper
79	100		
108	78.4	63.8	95.6
77	61.0	49.0	73.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

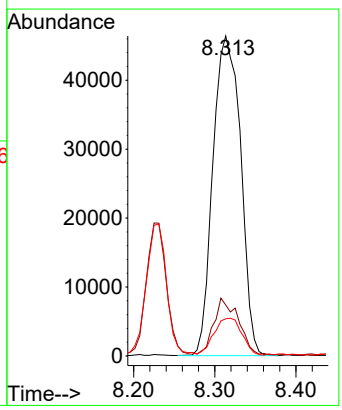


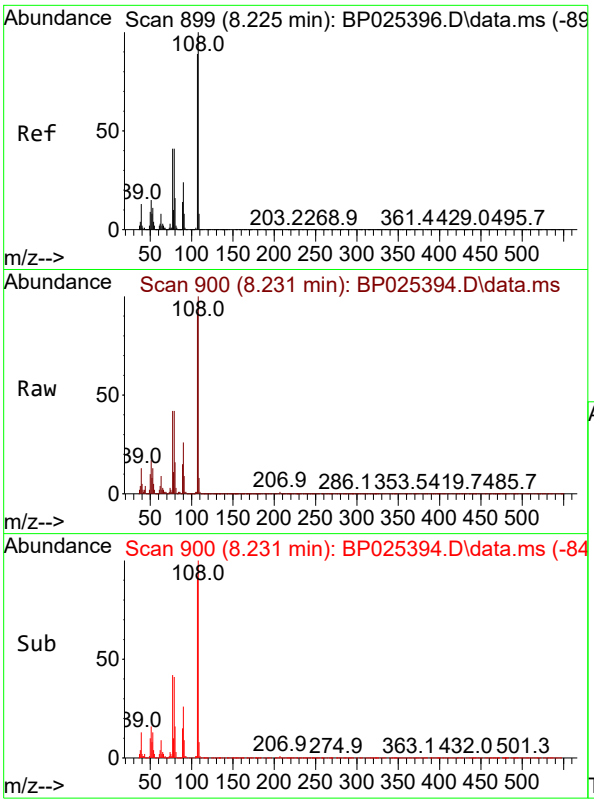


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.412 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 45 Resp: 109744

Ion	Ratio	Lower	Upper
45	100		
77	15.9	0.0	35.3
79	11.6	0.0	31.8

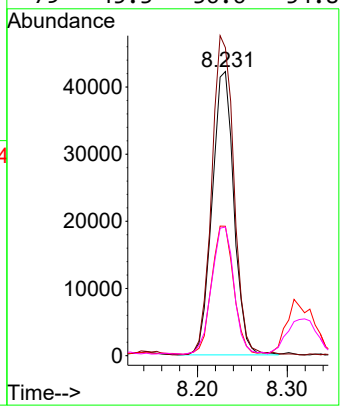




#17
2-Methylphenol
Concen: 9.153 ng
RT: 8.231 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:107 Resp: 7099

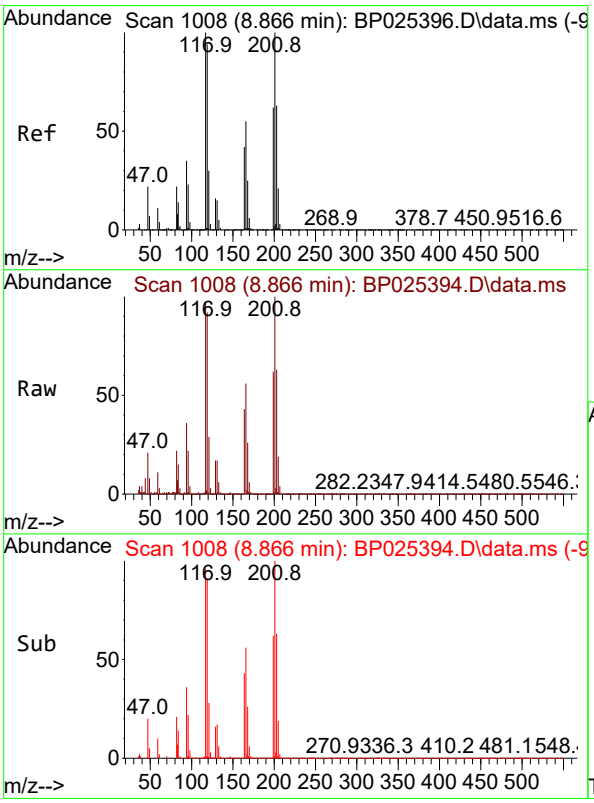
Ion	Ratio	Lower	Upper
107	100		
108	108.4	89.4	134.0
77	45.5	36.3	54.5
79	45.3	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

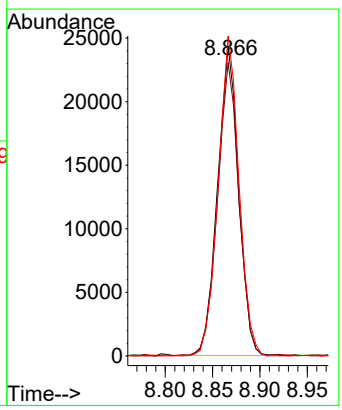
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

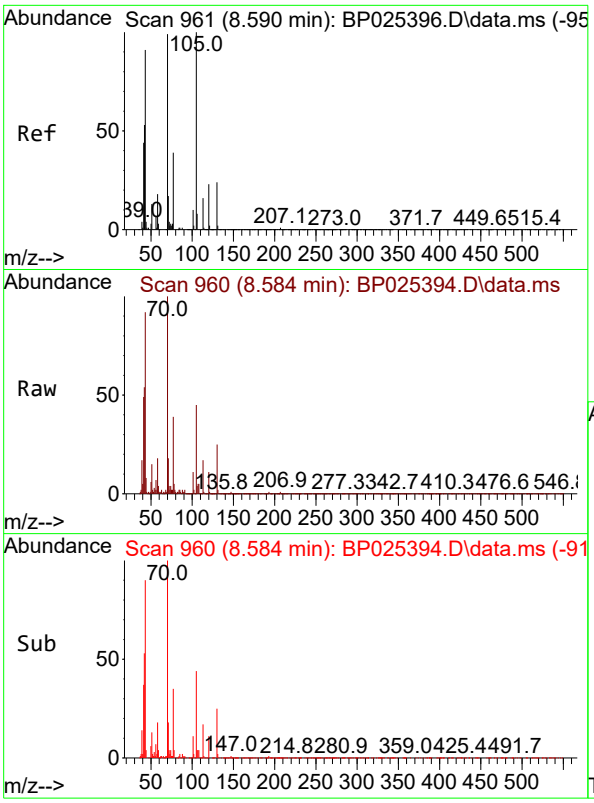


#18
Hexachloroethane
Concen: 9.654 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:117 Resp: 37473

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.1	112.7
201	103.5	80.1	120.1

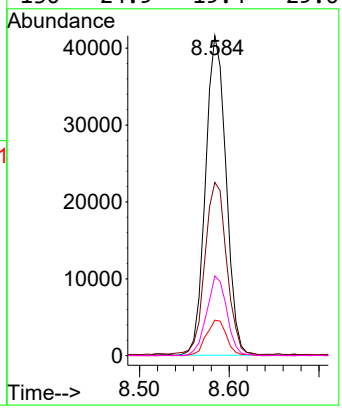




#19
n-Nitroso-di-n-propylamine
Concen: 9.366 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 70 Resp: 6610

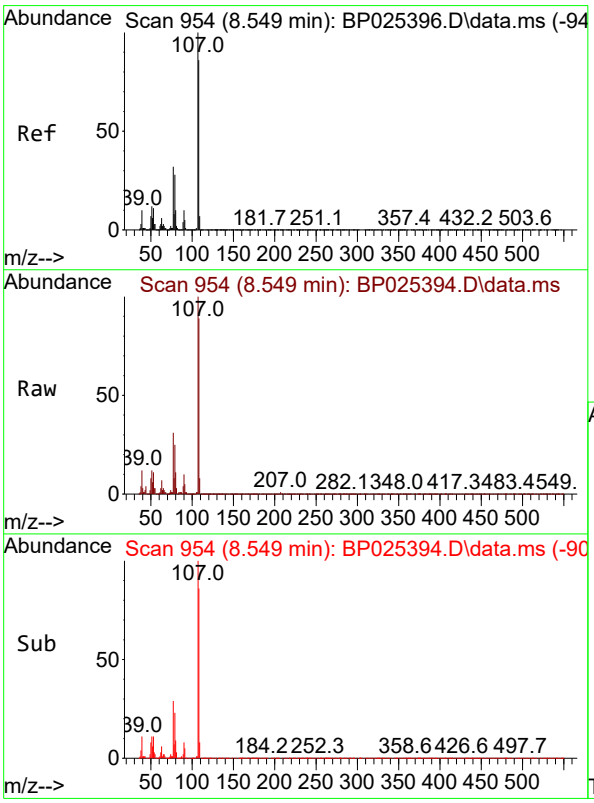
Ion	Ratio	Lower	Upper
70	100		
42	54.2	43.8	65.6
101	11.1	8.5	12.7
130	24.9	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

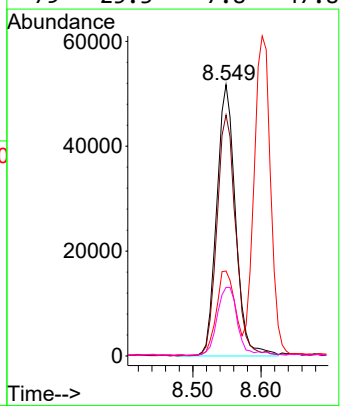
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

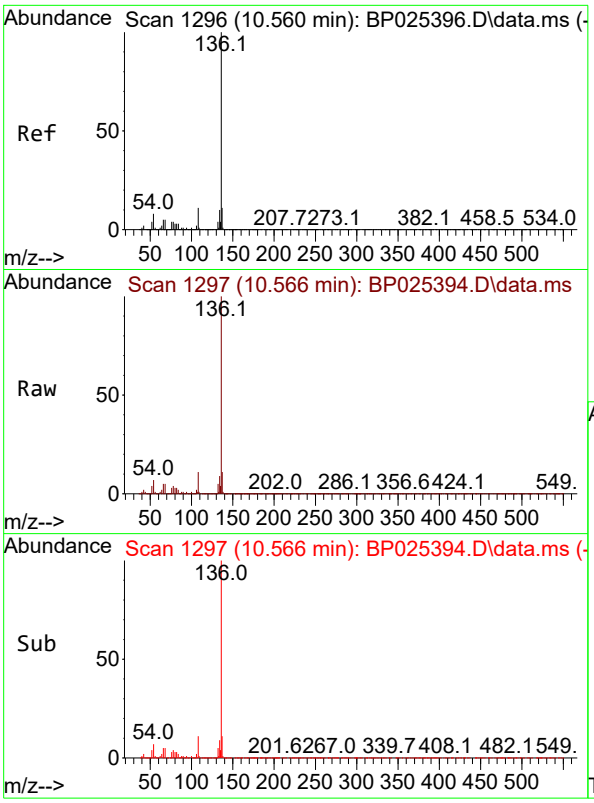


#20
3+4-Methylphenols
Concen: 9.244 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:107 Resp: 99382

Ion	Ratio	Lower	Upper
107	100		
108	88.8	66.3	106.3
77	31.3	12.3	52.3
79	25.3	7.8	47.8

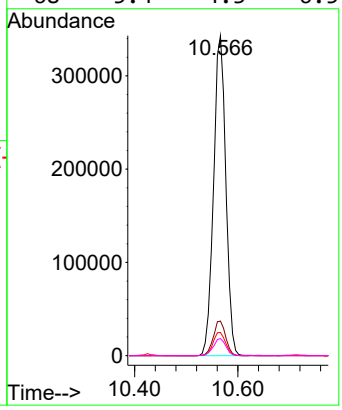




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:136 Resp: 56399

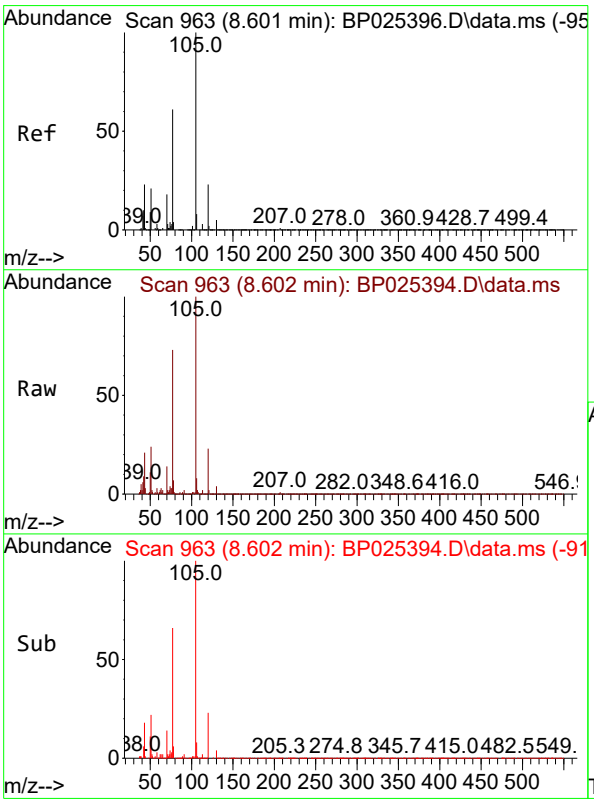
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.3	6.0	9.0
68	5.4	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

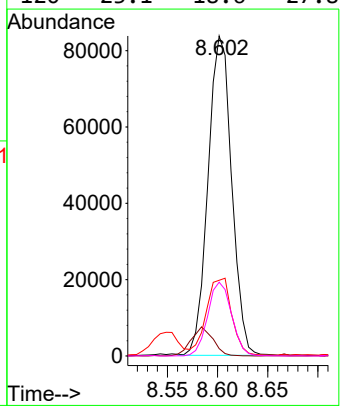
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

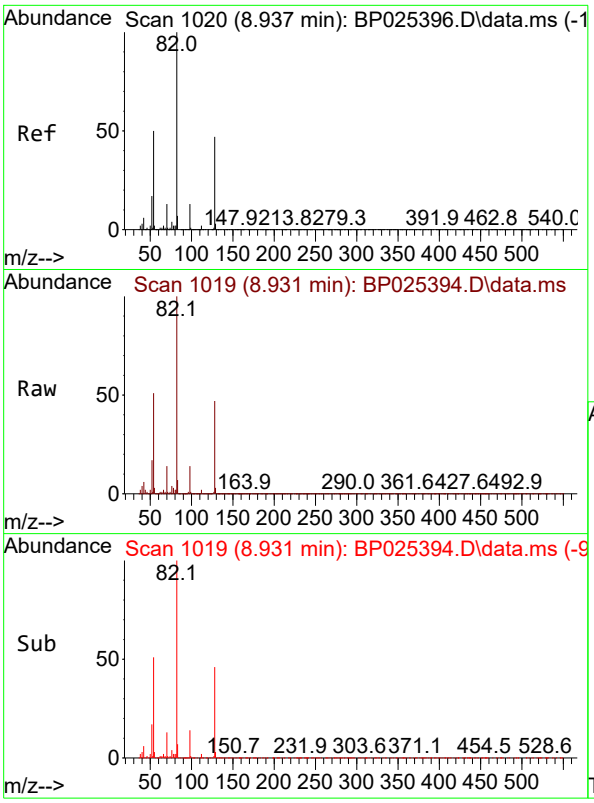


#22
Acetophenone
Concen: 9.712 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:105 Resp: 137361

Ion	Ratio	Lower	Upper
105	100		
71	2.3	2.6	4.0#
51	23.7	20.6	30.8
120	23.1	18.6	27.8

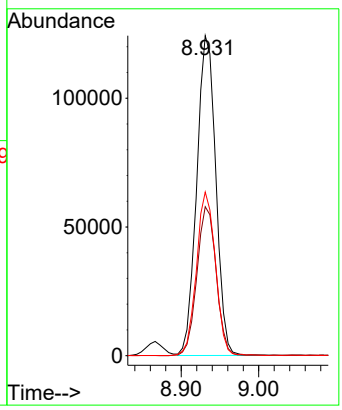




#23
Nitrobenzene-d5
Concen: 19.036 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 82 Resp: 21223

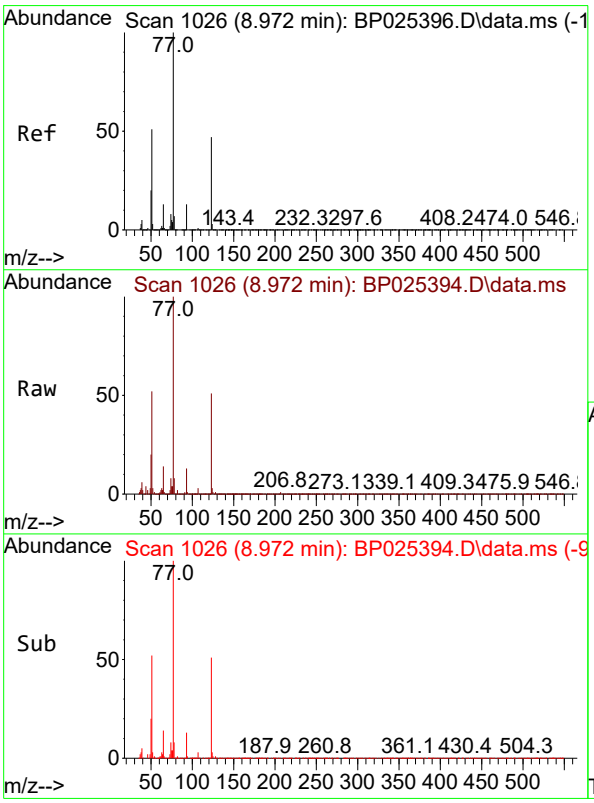
Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.7	56.5
54	51.2	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

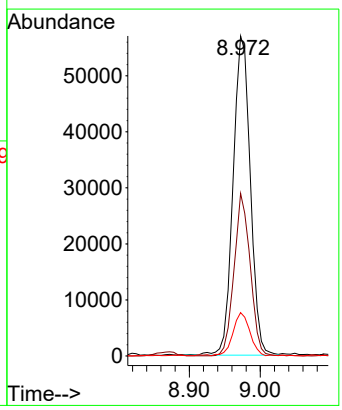
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

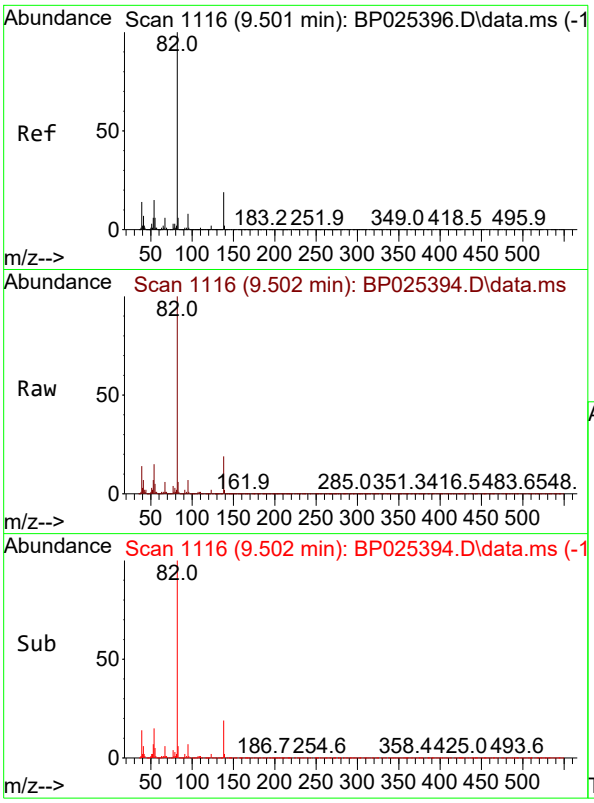


#24
Nitrobenzene
Concen: 9.685 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 77 Resp: 96502

Ion	Ratio	Lower	Upper
77	100		
123	50.8	38.6	58.0
65	13.6	10.6	15.8

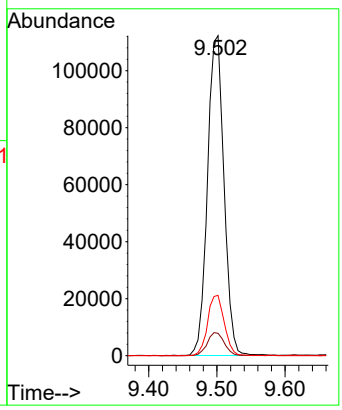




#25
Isophorone
Concen: 9.604 ng
RT: 9.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 82 Resp: 18951

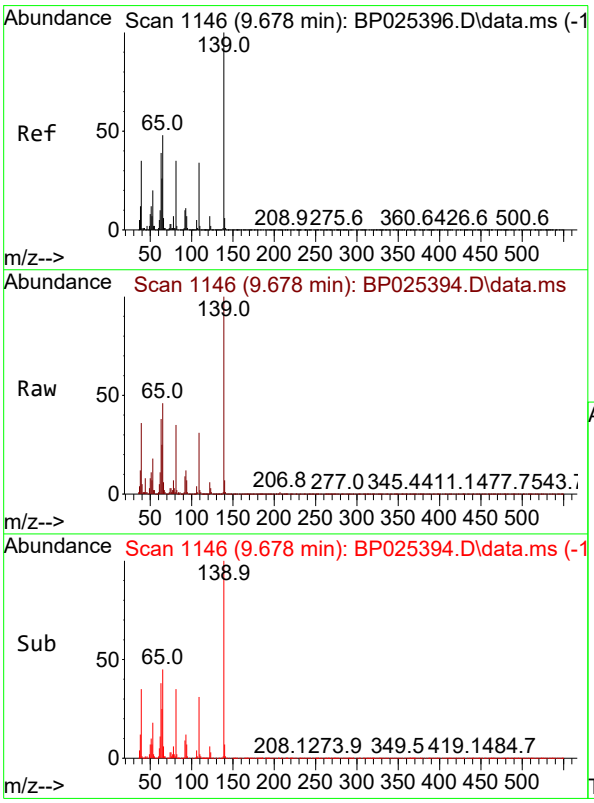
Ion	Ratio	Lower	Upper
82	100		
95	7.0	6.4	9.6
138	18.8	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

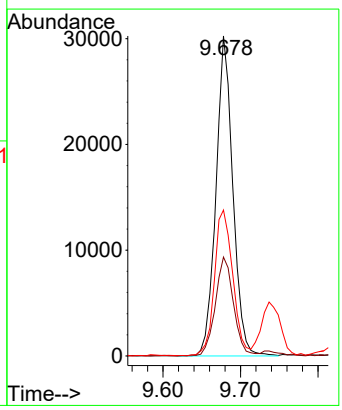
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

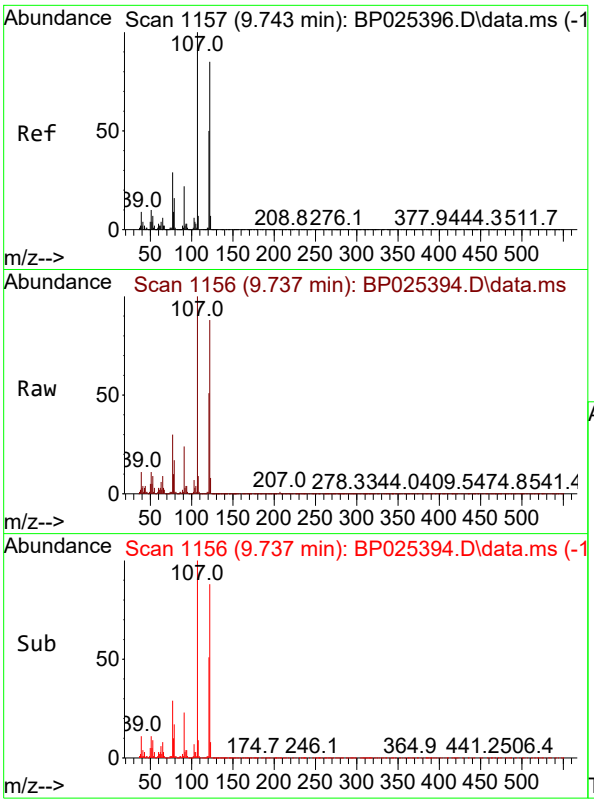


#26
2-Nitrophenol
Concen: 8.968 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:139 Resp: 45860

Ion	Ratio	Lower	Upper
139	100		
109	30.9	26.9	40.3
65	45.6	38.3	57.5

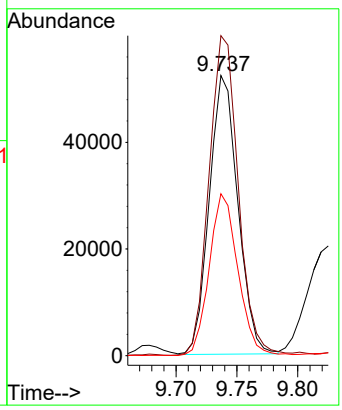




#27
2,4-Dimethylphenol
Concen: 9.718 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:122 Resp: 8546

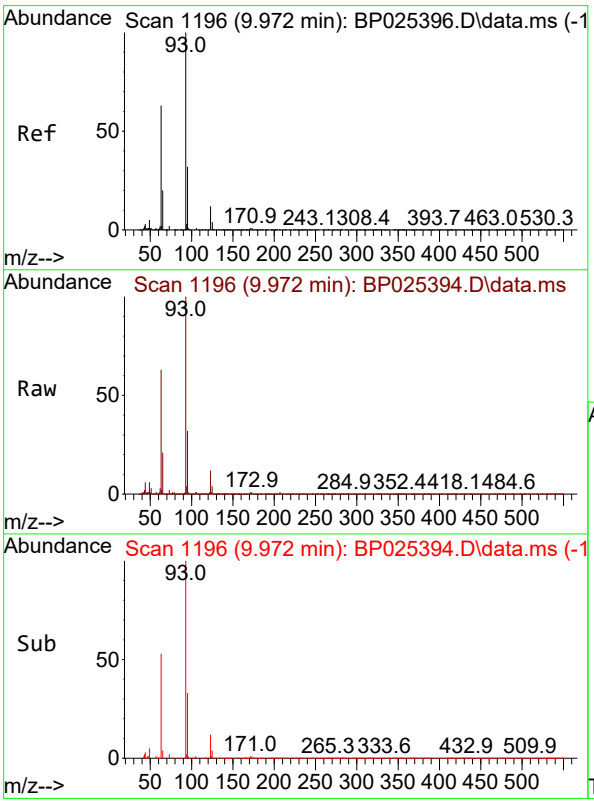
Ion	Ratio	Lower	Upper
122	100		
107	114.2	93.7	140.5
121	57.8	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

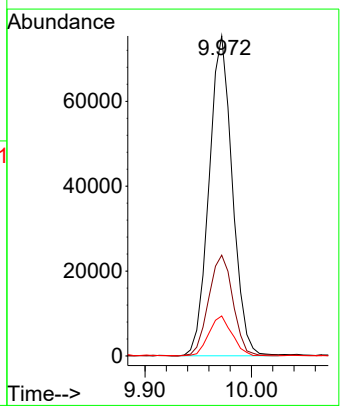
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

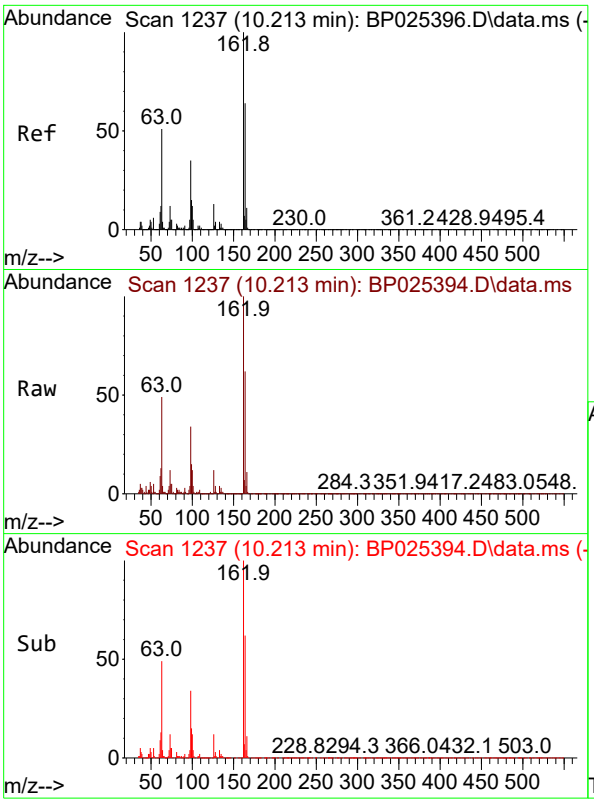


#28
bis(2-Chloroethoxy)methane
Concen: 9.611 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 93 Resp: 114635

Ion	Ratio	Lower	Upper
93	100		
95	31.5	25.4	38.0
123	12.5	9.4	14.0

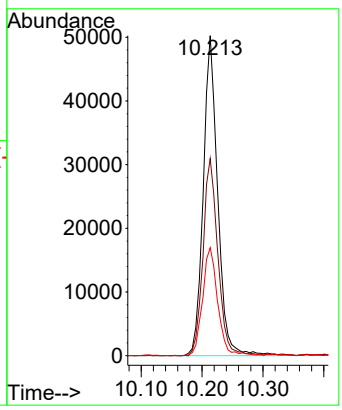




#29
2,4-Dichlorophenol
Concen: 9.464 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:162 Resp: 8267

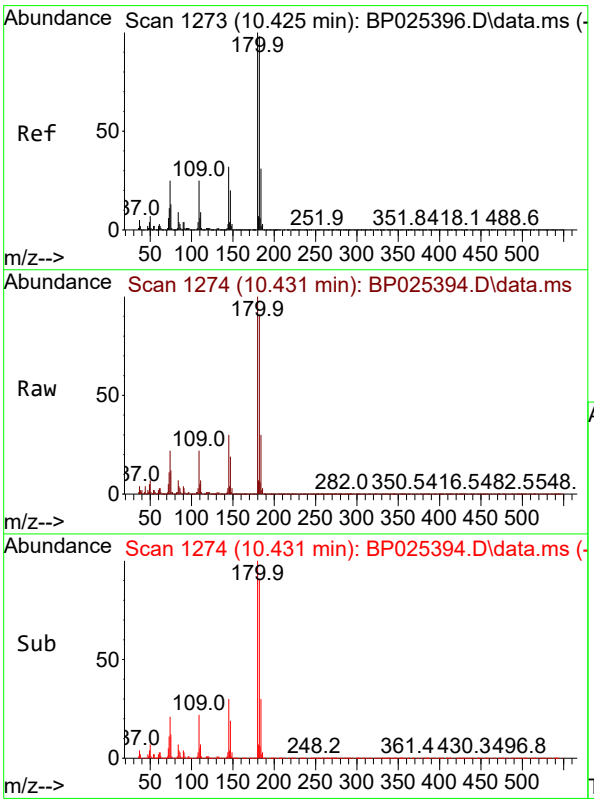
Ion	Ratio	Lower	Upper
162	100		
164	61.6	44.4	84.4
98	33.8	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

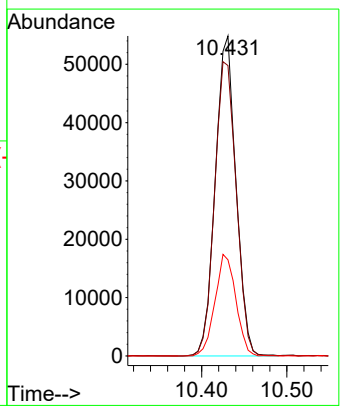
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

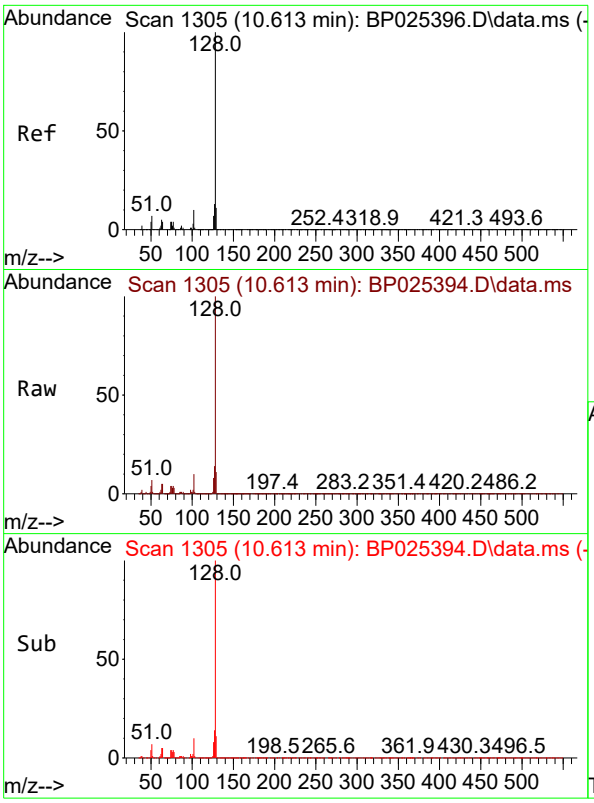


#30
1,2,4-Trichlorobenzene
Concen: 9.676 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:180 Resp: 92664

Ion	Ratio	Lower	Upper
180	100		
182	90.7	78.0	117.0
145	30.1	25.9	38.9

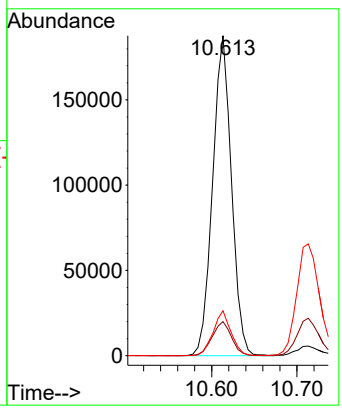




#31
Naphthalene
Concen: 9.816 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:128 Resp: 28775

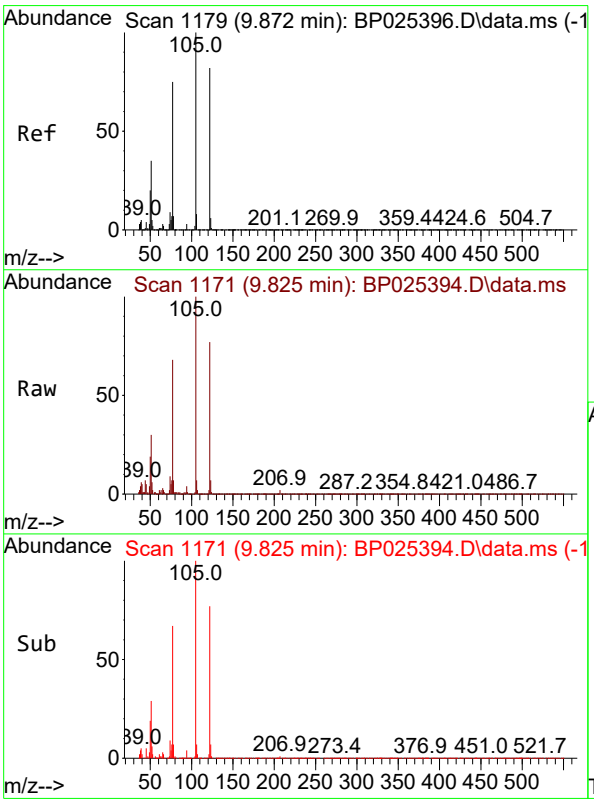
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	14.0	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

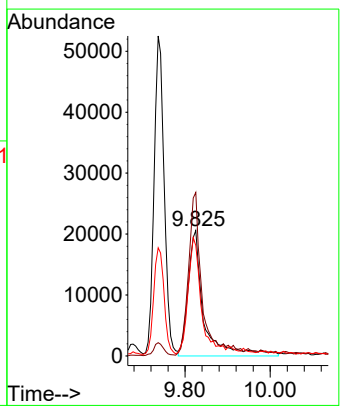
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

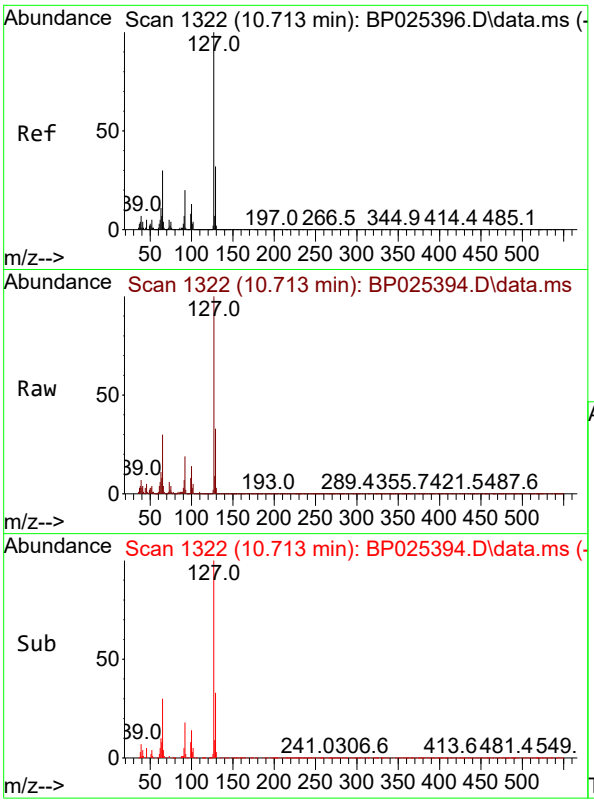


#32
Benzoic acid
Concen: 8.188 ng m
RT: 9.825 min Scan# 1171
Delta R.T. -0.047 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:122 Resp: 53034

Ion	Ratio	Lower	Upper
122	100		
105	130.4	100.6	140.6
77	88.0	71.5	111.5

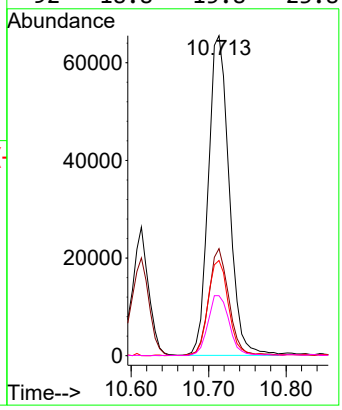




#33
4-Chloroaniline
Concen: 9.472 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:127 Resp: 12264

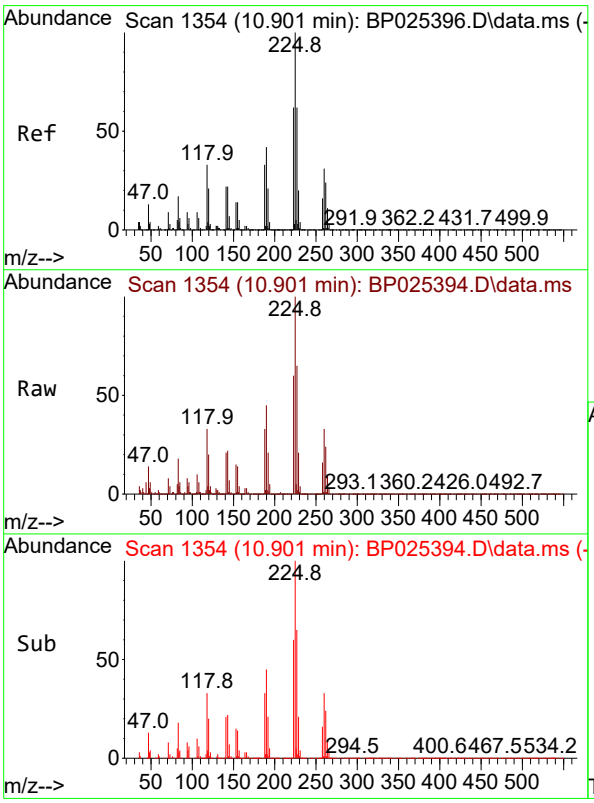
Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.4	38.2
65	29.7	23.8	35.6
92	18.8	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

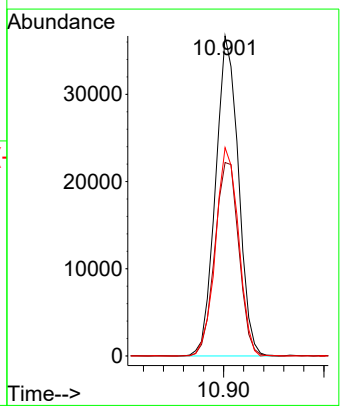
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

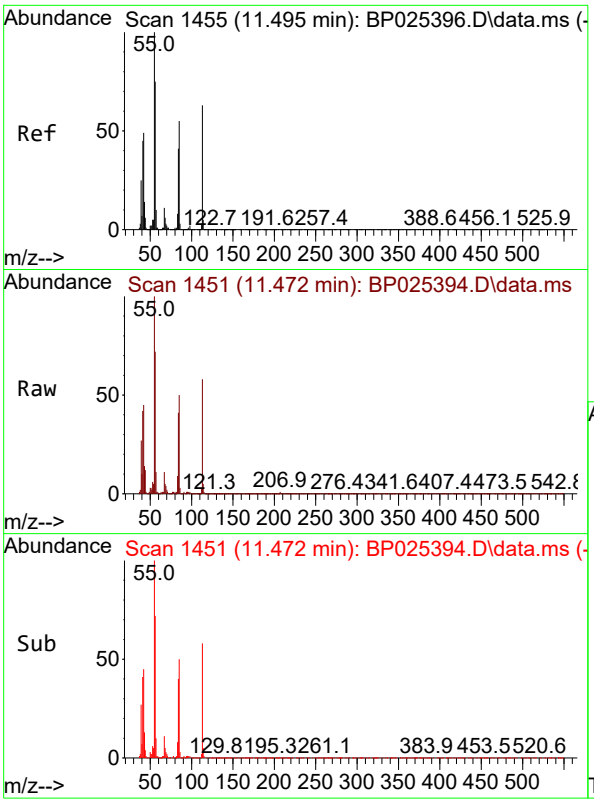


#34
Hexachlorobutadiene
Concen: 9.695 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:225 Resp: 57821

Ion	Ratio	Lower	Upper
225	100		
223	60.5	50.0	75.0
227	65.1	49.7	74.5





#35
Caprolactam
Concen: 10.001 ng
RT: 11.472 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

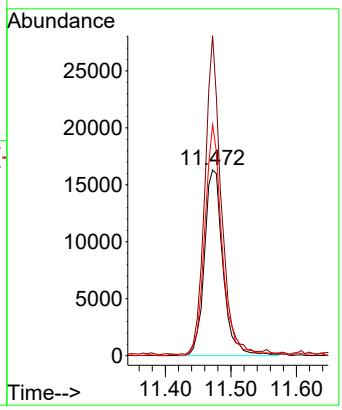
Tgt Ion:113 Resp: 3203

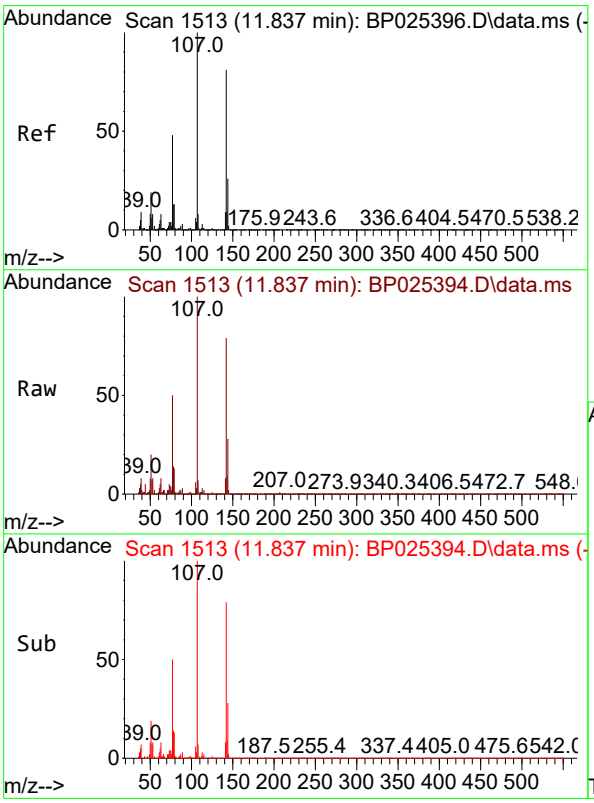
Ion	Ratio	Lower	Upper
113	100		
55	172.3	140.0	180.0
56	124.4	100.0	140.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

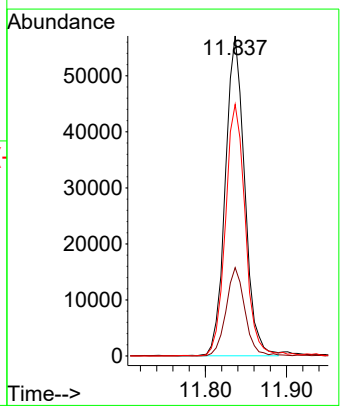


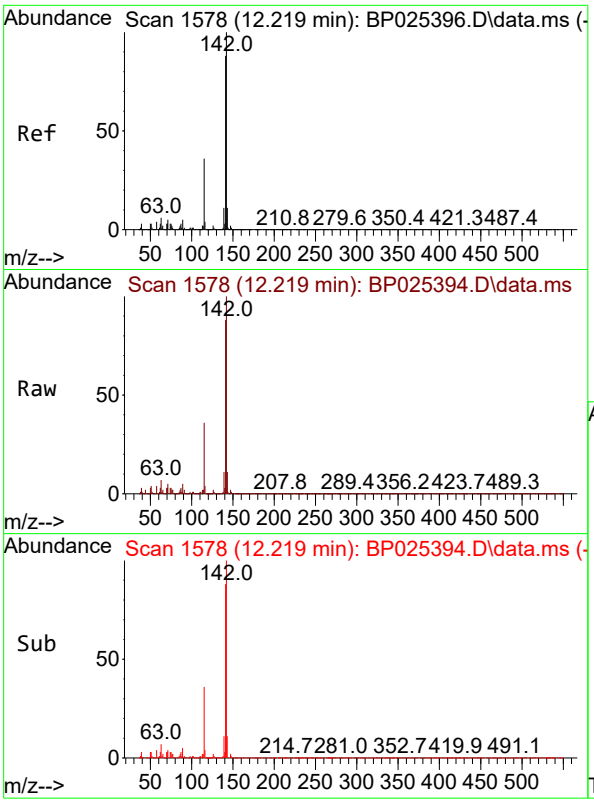


#36
4-Chloro-3-methylphenol
Concen: 9.431 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:107 Resp: 94538

Ion	Ratio	Lower	Upper
107	100		
144	27.6	21.0	31.4
142	78.6	64.6	97.0

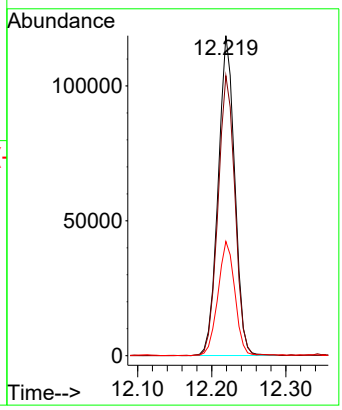




#37
2-Methylnaphthalene
Concen: 9.654 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:142 Resp: 18417

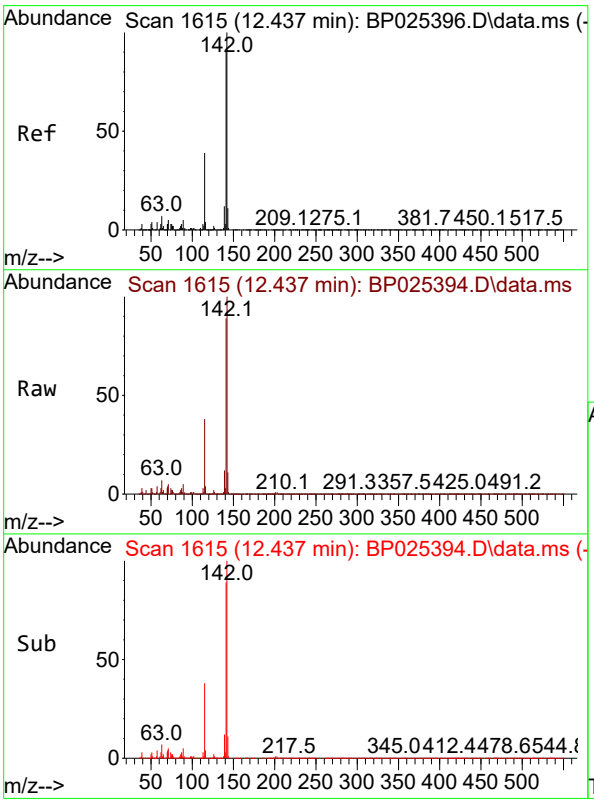
Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5
115	35.7	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

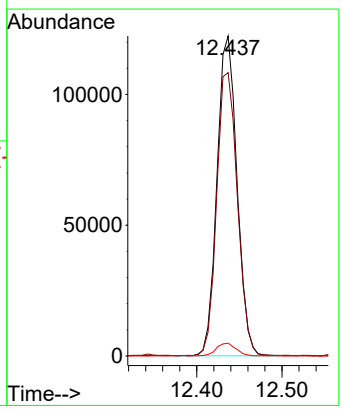
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

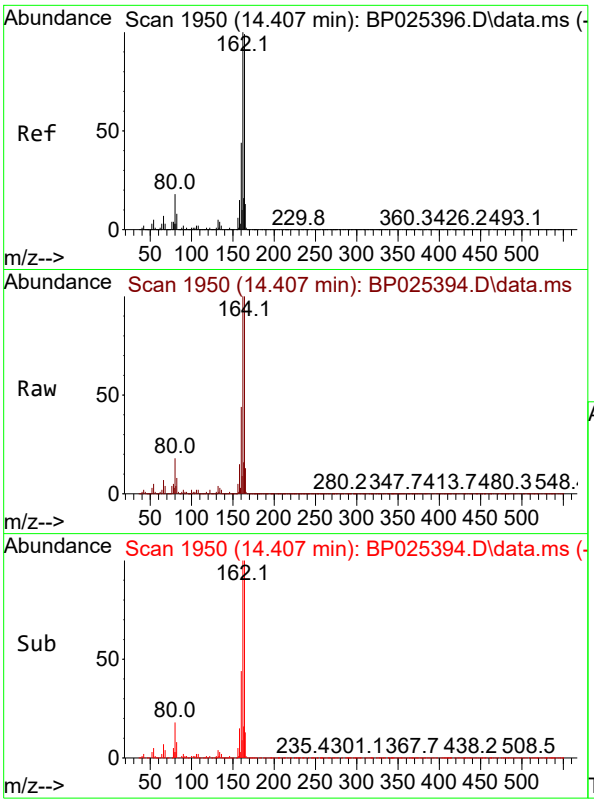


#38
1-Methylnaphthalene
Concen: 9.817 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:142 Resp: 199160

Ion	Ratio	Lower	Upper
142	100		
141	88.6	73.1	109.7
116	4.0	3.2	4.8

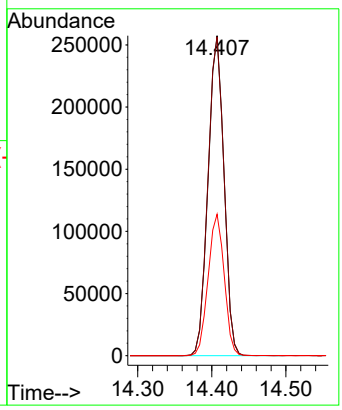




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:164 Resp: 38319

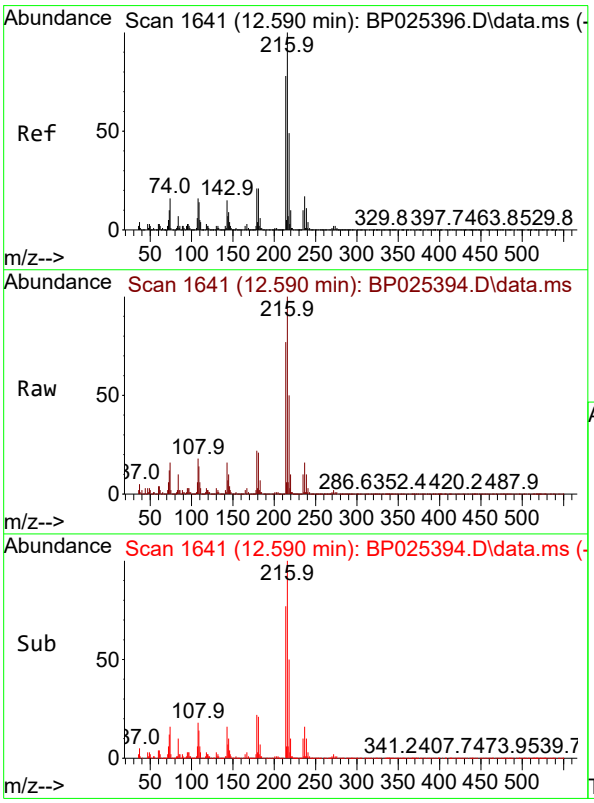
Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.6
160	44.2	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

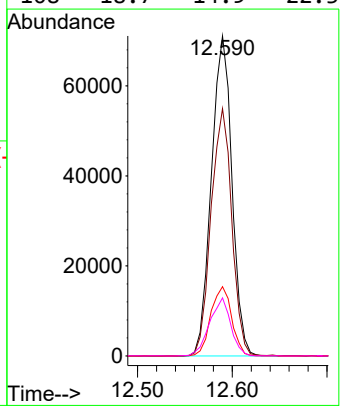
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

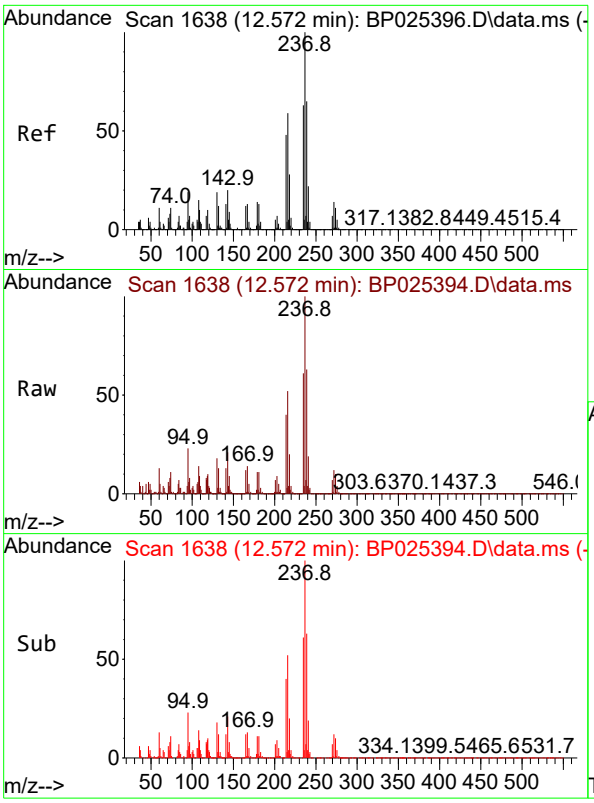


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.678 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:216 Resp: 107104

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.0	94.4
179	22.0	17.1	25.7
108	18.7	14.9	22.3

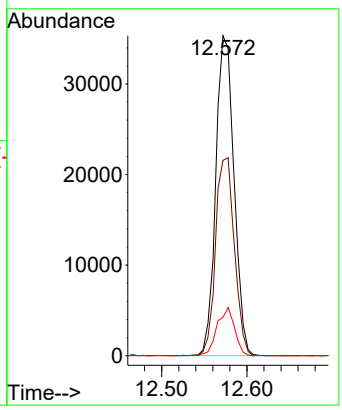




#41
Hexachlorocyclopentadiene
Concen: 7.867 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:237 Resp: 5258

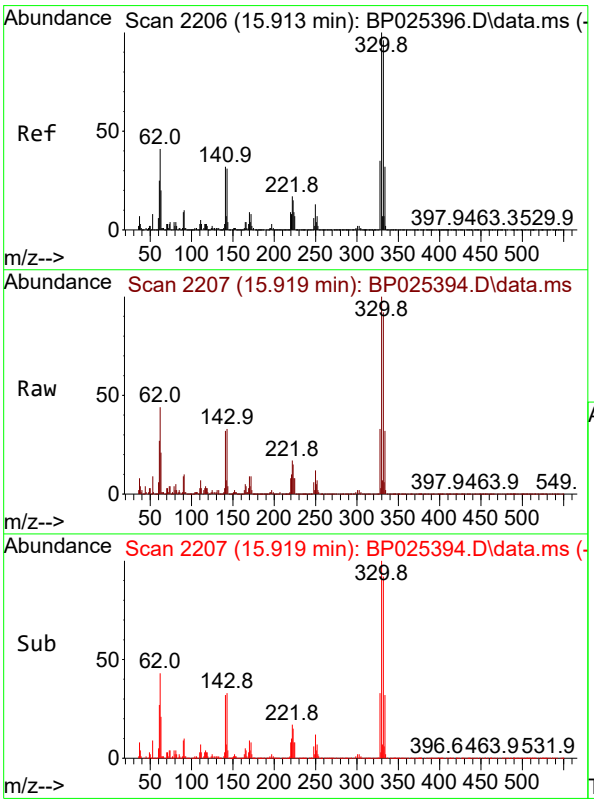
Ion	Ratio	Lower	Upper
237	100		
235	61.1	42.7	82.7
272	12.0	0.0	34.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

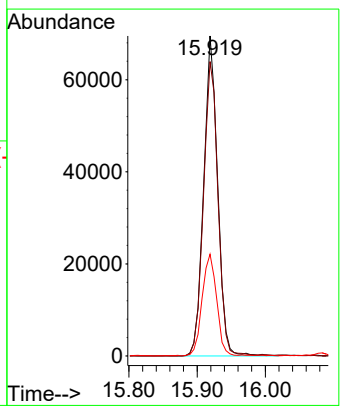
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

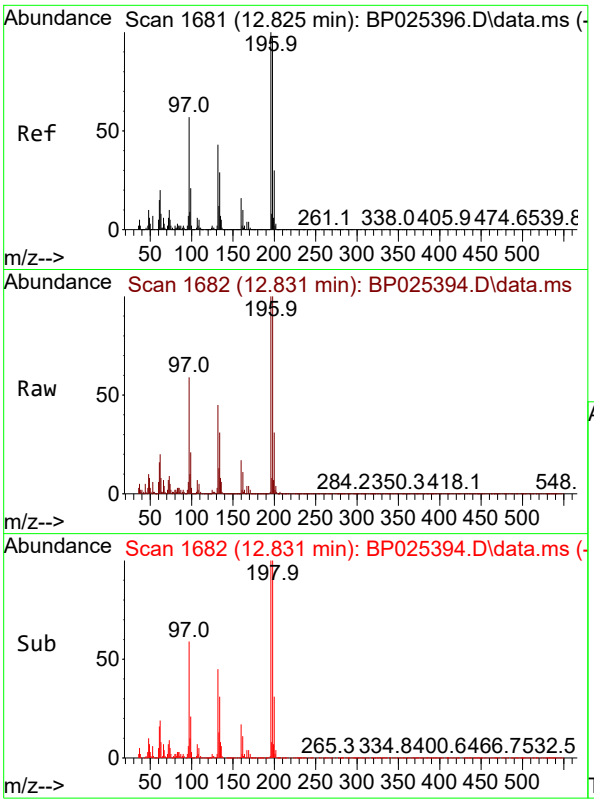


#42
2,4,6-Tribromophenol
Concen: 19.210 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:330 Resp: 99083

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.3	115.9
141	33.1	26.6	39.8

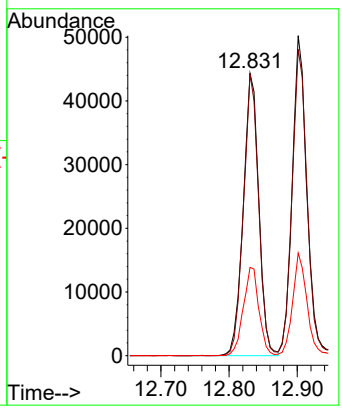




#43
2,4,6-Trichlorophenol
Concen: 9.339 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:196 Resp: 6978

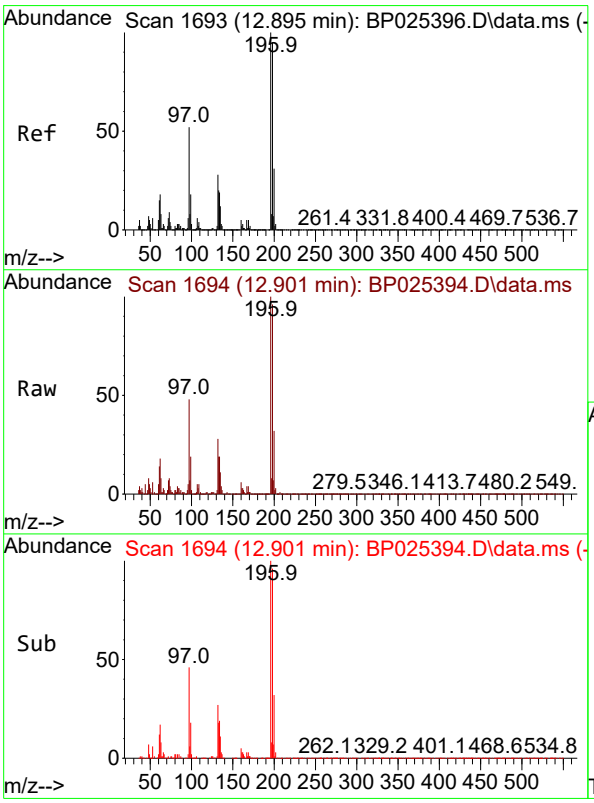
Ion	Ratio	Lower	Upper
196	100		
198	99.9	77.2	115.8
200	31.3	23.9	35.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

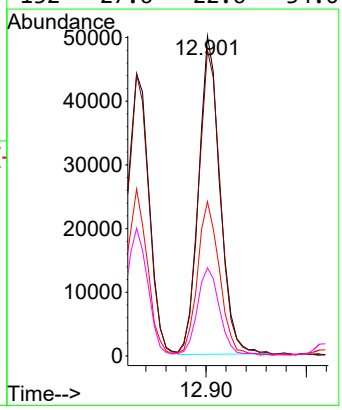
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

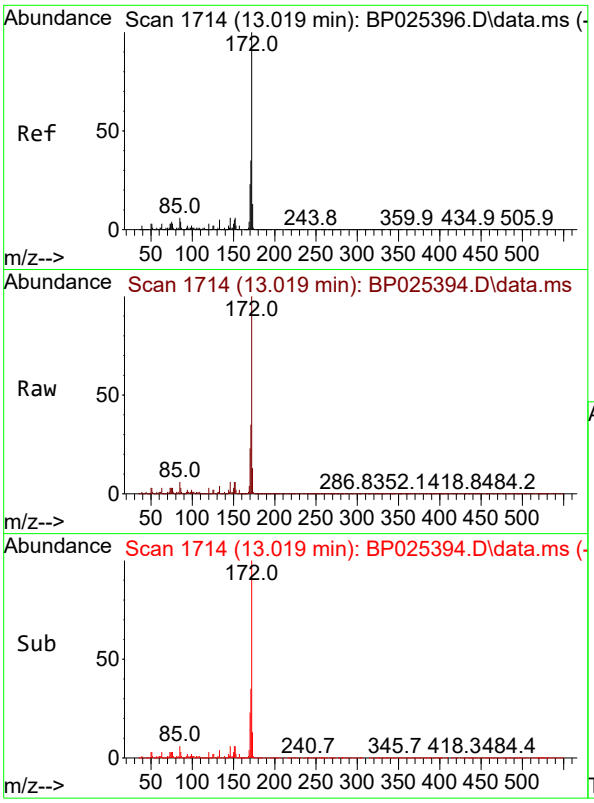


#44
2,4,5-Trichlorophenol
Concen: 9.006 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:196 Resp: 73744

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.2
97	48.2	41.2	61.8
132	27.6	22.6	34.0

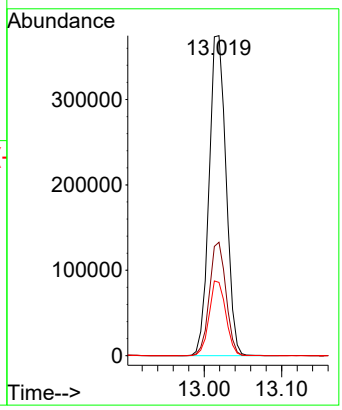




#45
2-Fluorobiphenyl
Concen: 20.271 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:172 Resp: 56835

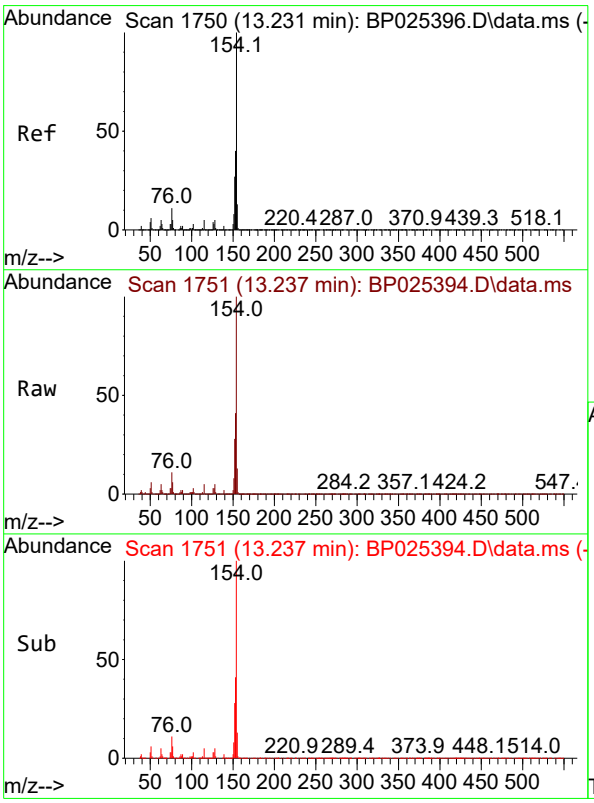
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	22.9	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

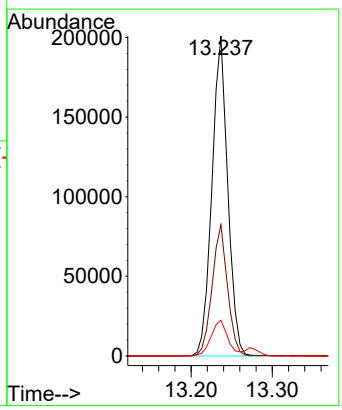
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

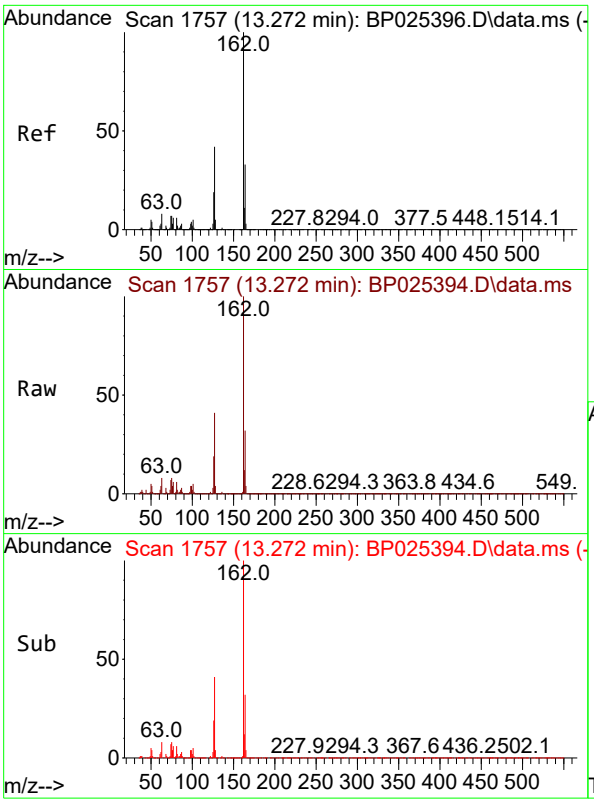


#46
1,1'-Biphenyl
Concen: 9.763 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:154 Resp: 271710

Ion	Ratio	Lower	Upper
154	100		
153	41.0	19.5	59.5
76	11.2	0.0	31.1

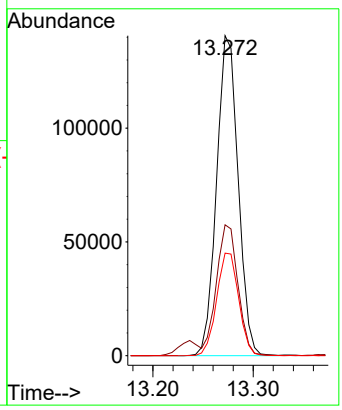




#47
2-Chloronaphthalene
Concen: 9.666 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:162 Resp: 20941

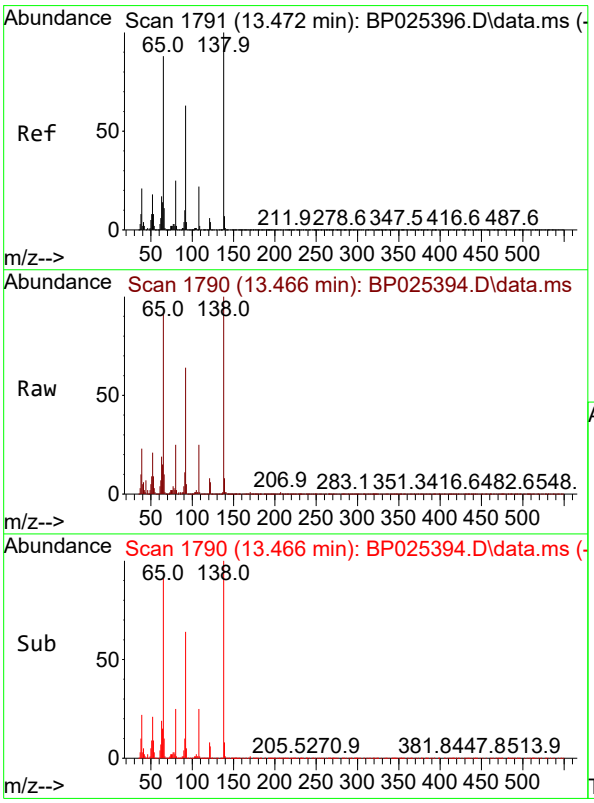
Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.4	50.2
164	32.0	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

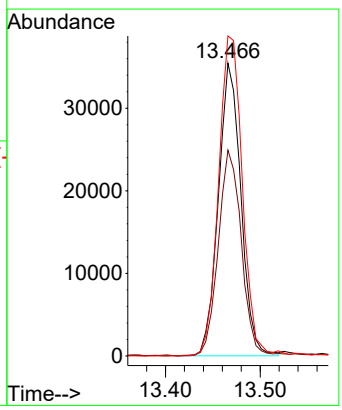
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

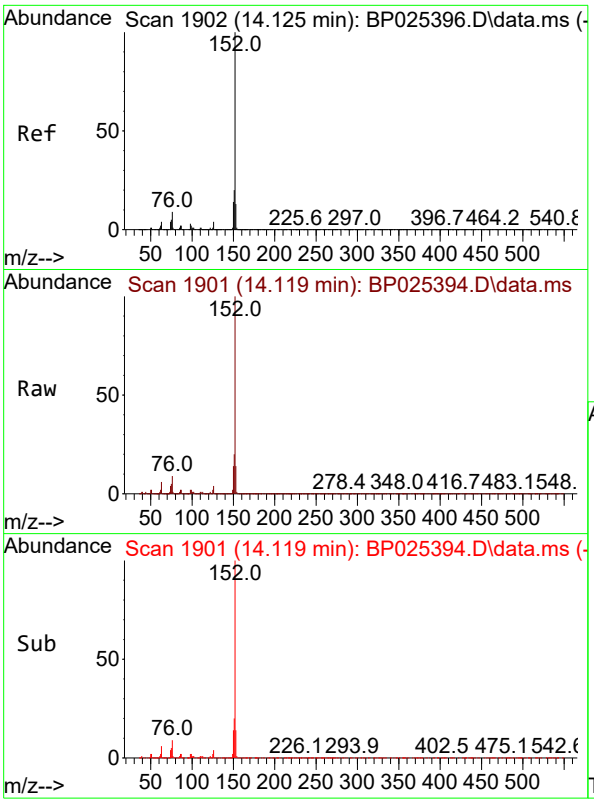


#48
2-Nitroaniline
Concen: 9.287 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 65 Resp: 58630

Ion	Ratio	Lower	Upper
65	100		
92	70.3	57.6	86.4
138	109.3	91.0	136.6

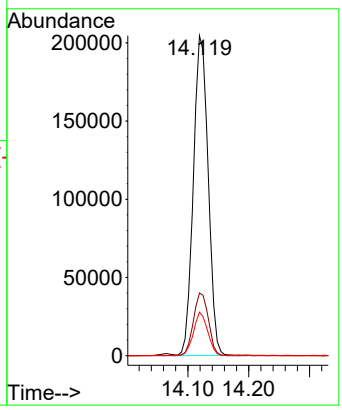




#49
Acenaphthylene
Concen: 9.652 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:152 Resp: 34602

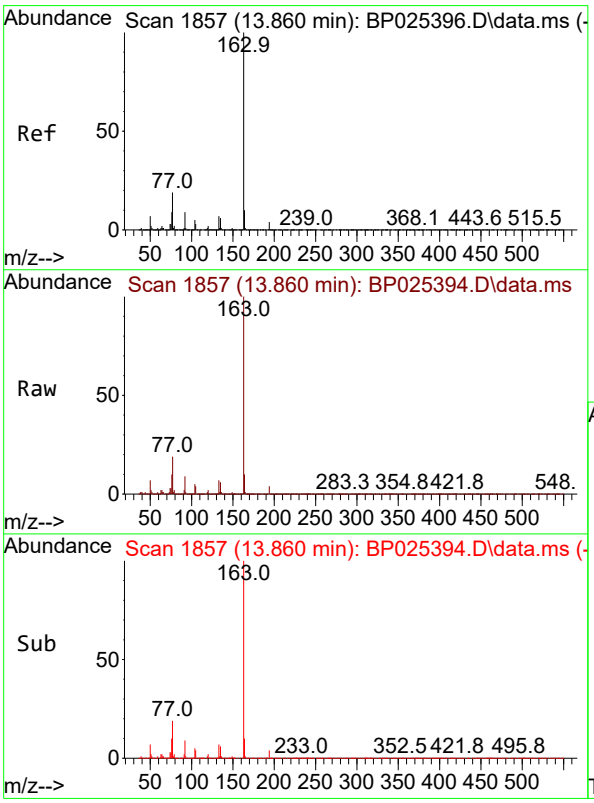
Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.0	24.0
153	13.6	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

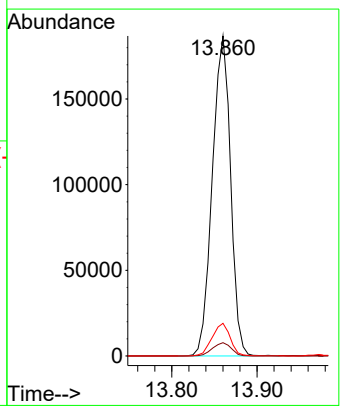
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

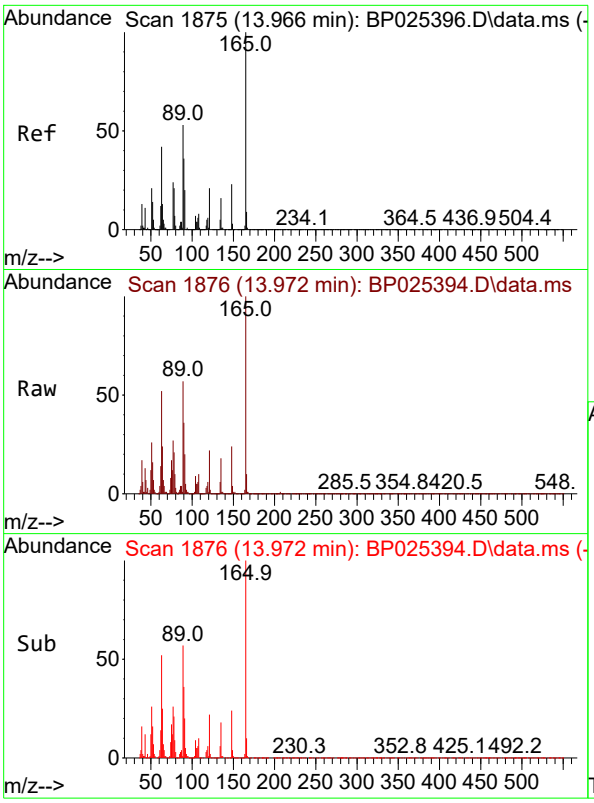


#50
Dimethylphthalate
Concen: 9.896 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:163 Resp: 277701

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 9.292 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

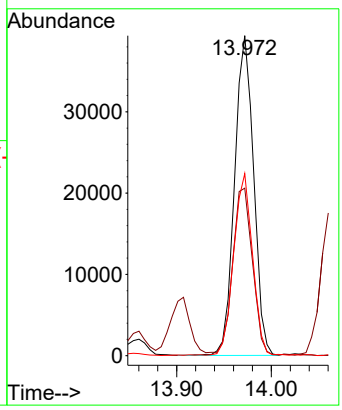
Tgt Ion:165 Resp: 5495

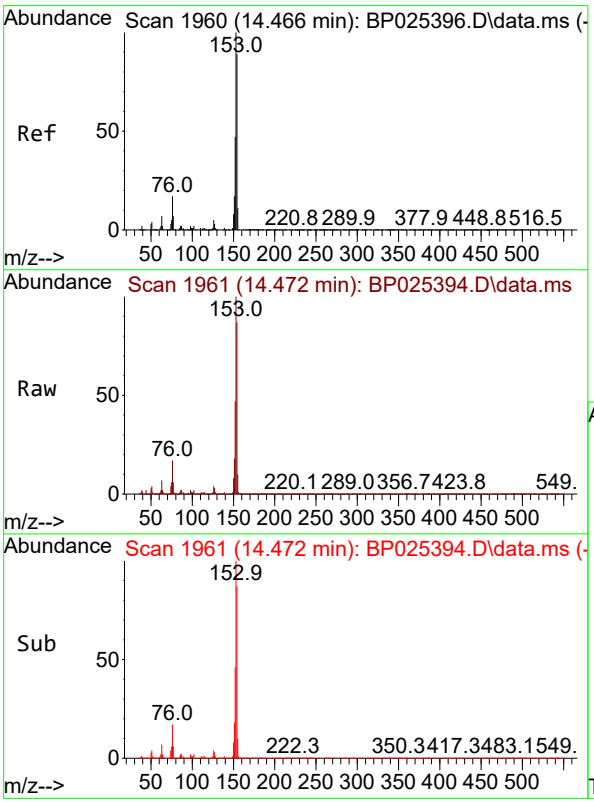
Ion	Ratio	Lower	Upper
165	100		
63	52.3	40.9	61.3
89	56.9	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

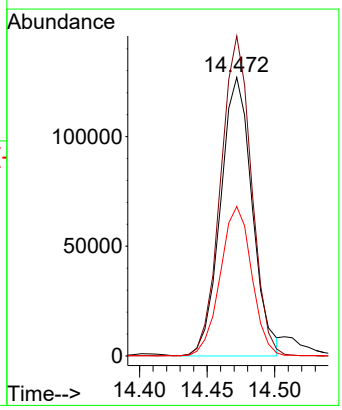


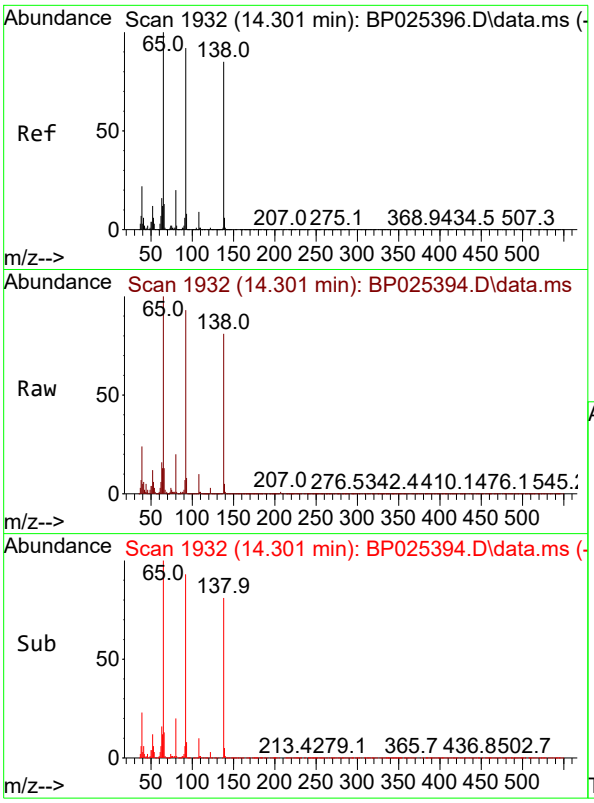


#52
Acenaphthene
Concen: 9.848 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:154 Resp: 207239

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.2	135.2
152	53.6	42.1	63.1





#53
3-Nitroaniline
Concen: 9.466 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

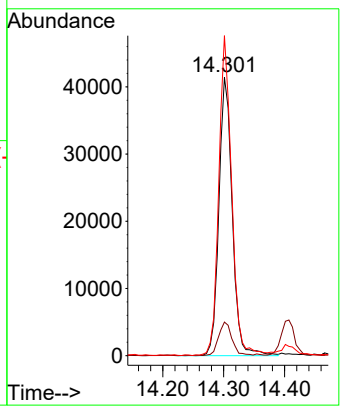
Tgt Ion:138 Resp: 6299

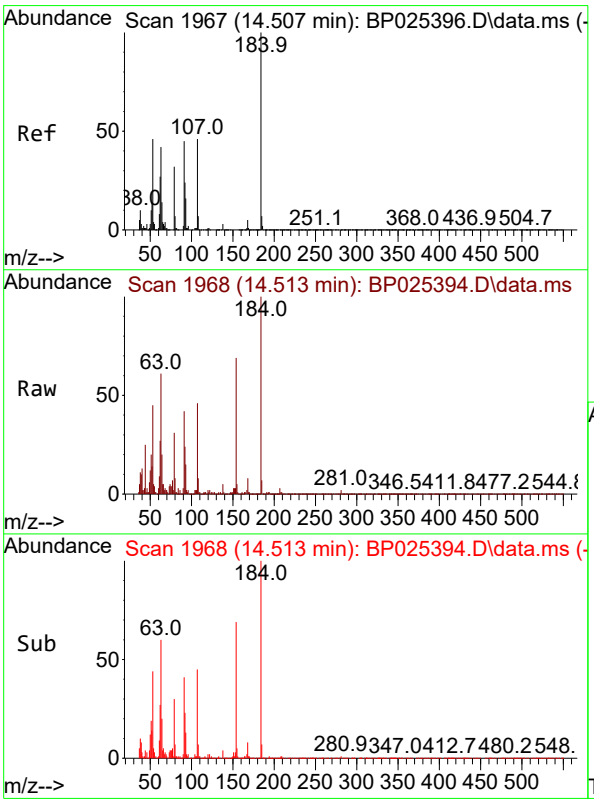
Ion	Ratio	Lower	Upper
138	100		
108	12.1	8.3	12.5
92	114.9	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

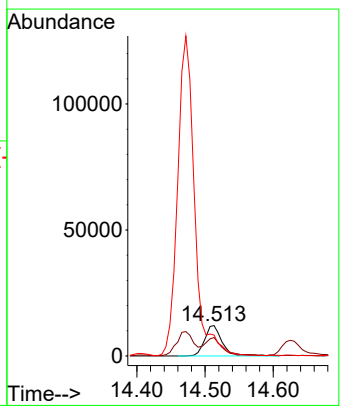


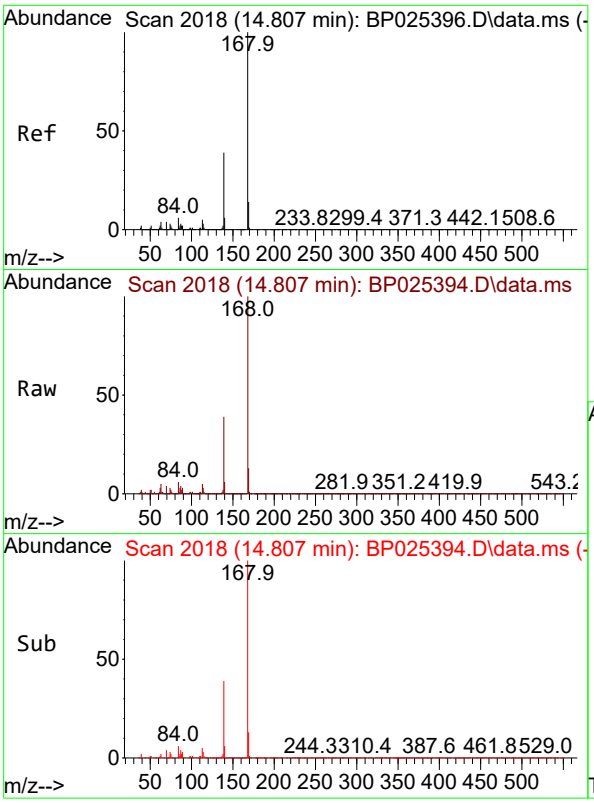


#54
2,4-Dinitrophenol
Concen: 6.886 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:184 Resp: 21748

Ion	Ratio	Lower	Upper
184	100		
63	60.8	49.4	74.2
154	69.1	54.6	82.0

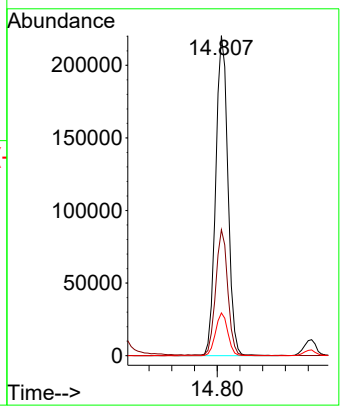




#55
Dibenzofuran
Concen: 9.851 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:168 Resp: 32773

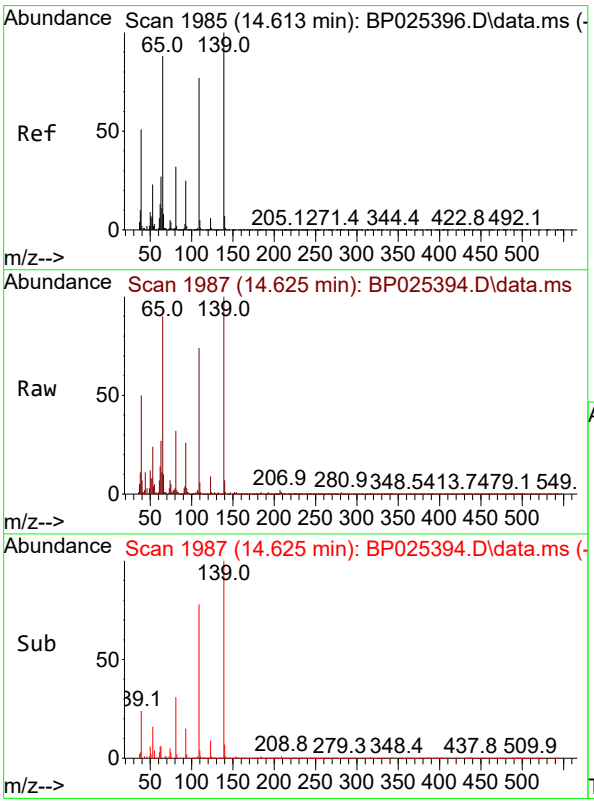
Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.5	47.3
169	13.4	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

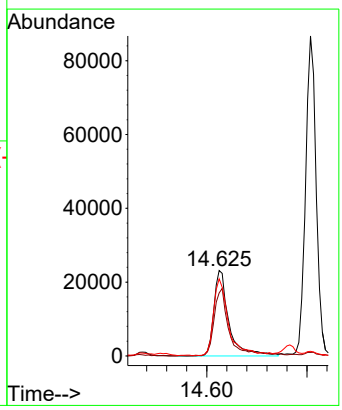
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

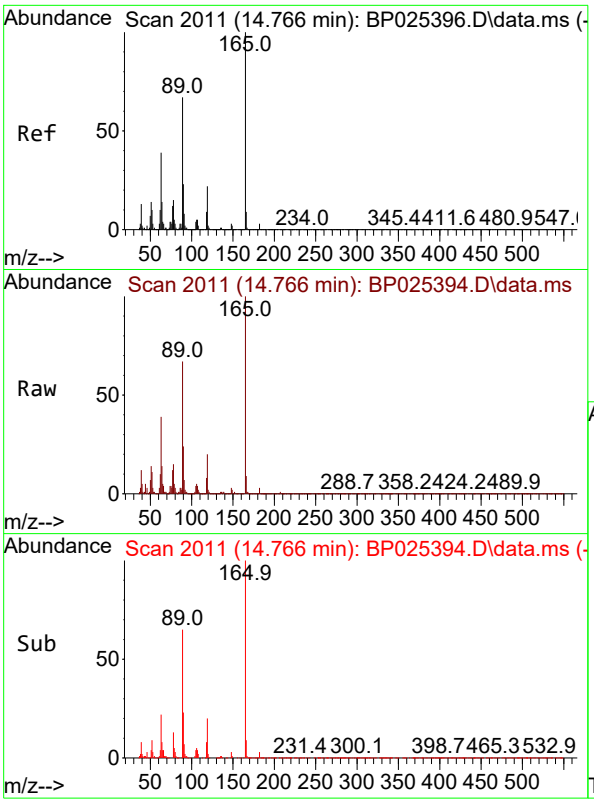


#56
4-Nitrophenol
Concen: 8.797 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:139 Resp: 48103

Ion	Ratio	Lower	Upper
139	100		
109	73.8	56.6	96.6
65	90.2	68.2	108.2

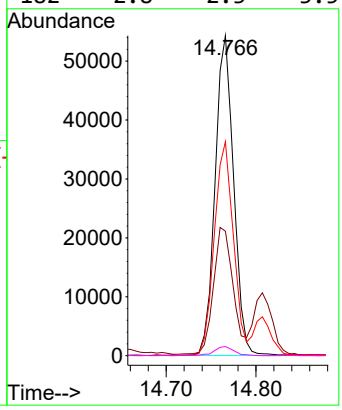




#57
2,4-Dinitrotoluene
Concen: 9.237 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:165 Resp: 7795

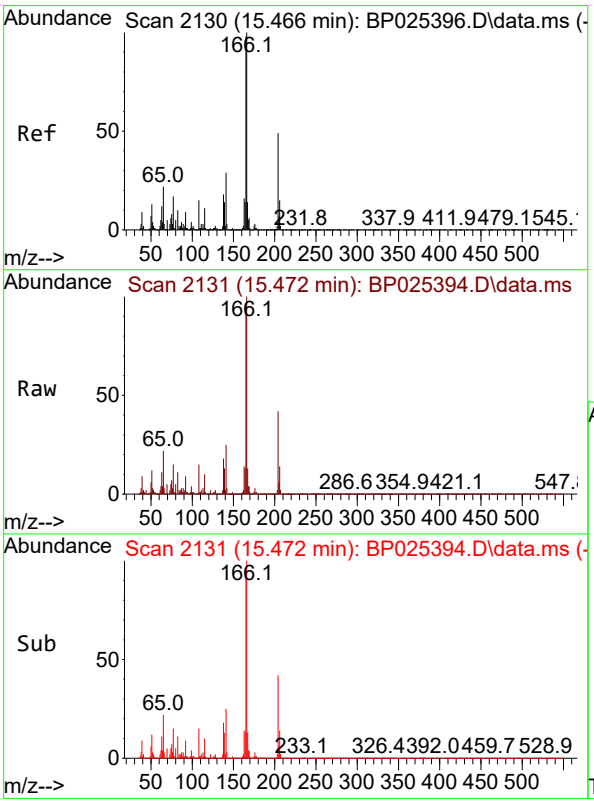
Ion	Ratio	Lower	Upper
165	100		
63	38.9	31.4	47.2
89	66.9	53.3	79.9
182	2.8	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

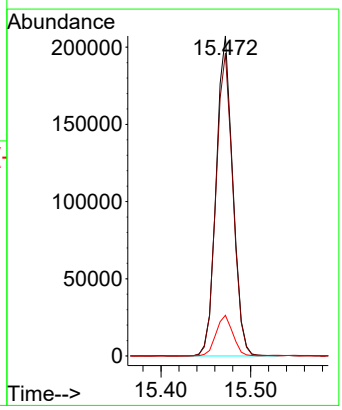
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

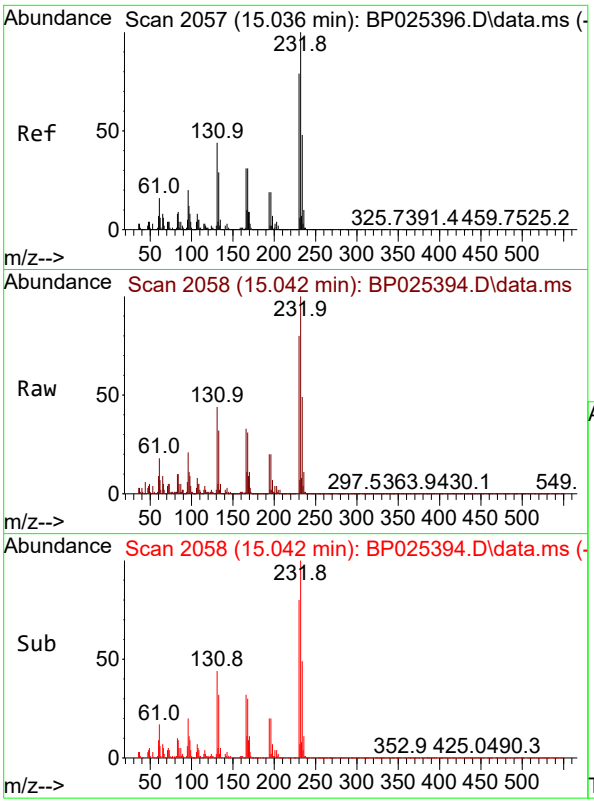


#58
Fluorene
Concen: 10.156 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:166 Resp: 266610

Ion	Ratio	Lower	Upper
166	100		
165	94.6	78.8	118.2
167	12.7	11.0	16.4

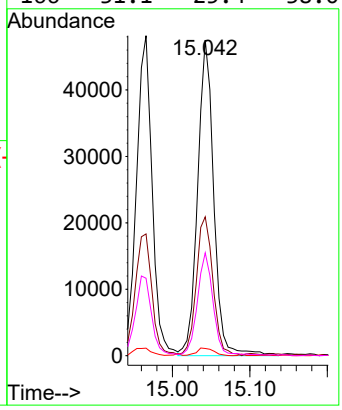




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.533 ng
RT: 15.042 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:232 Resp: 6893

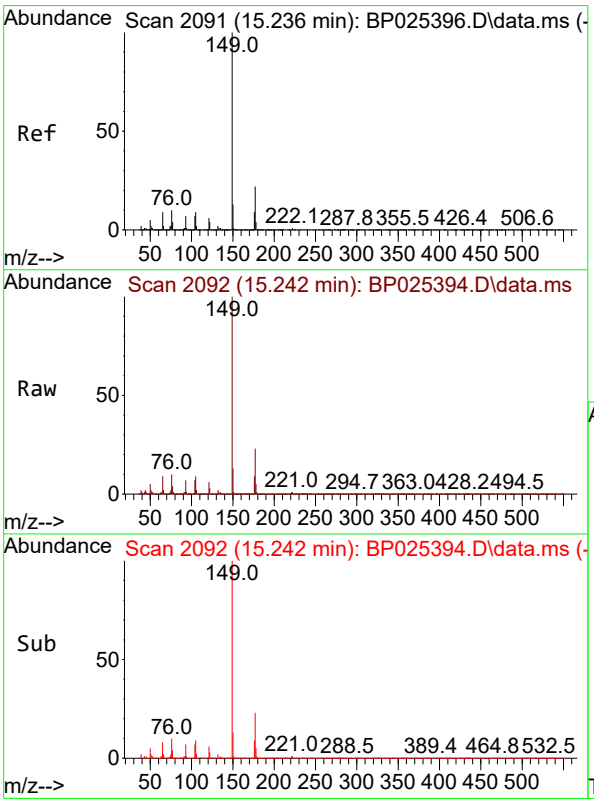
Ion	Ratio	Lower	Upper
232	100		
131	45.2	37.0	55.6
130	2.5	1.9	2.9
166	31.1	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

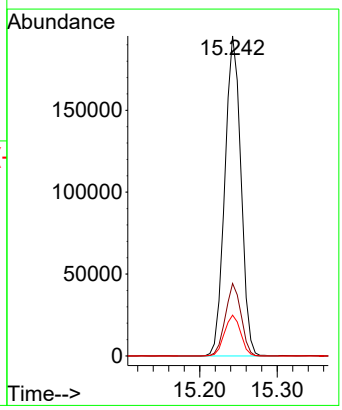
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

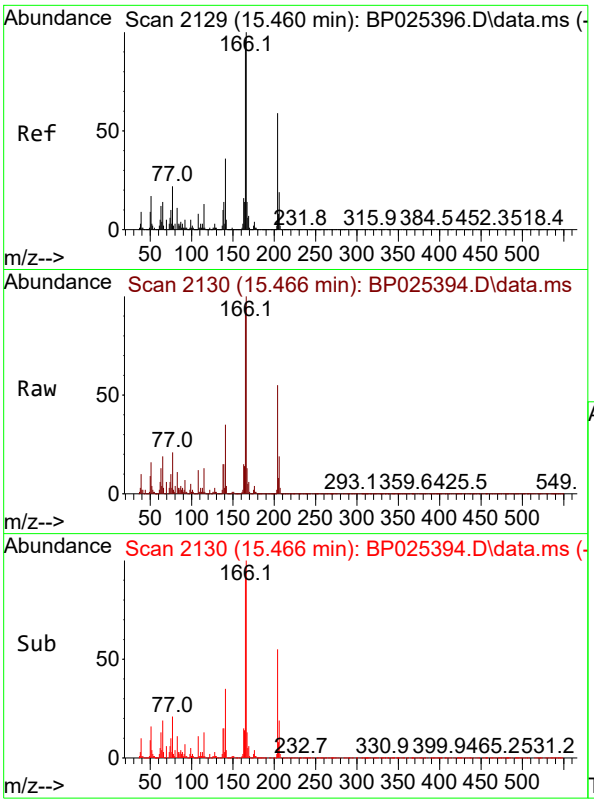


#60
Diethylphthalate
Concen: 9.909 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 282526

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.3	25.9
150	12.8	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 10.044 ng
RT: 15.466 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

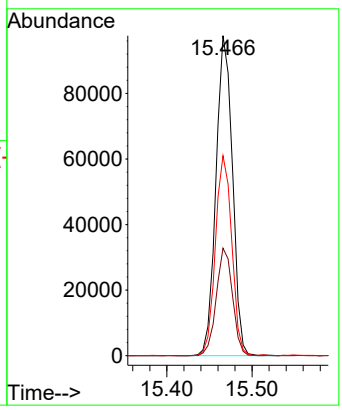
Tgt Ion:204 Resp: 13113

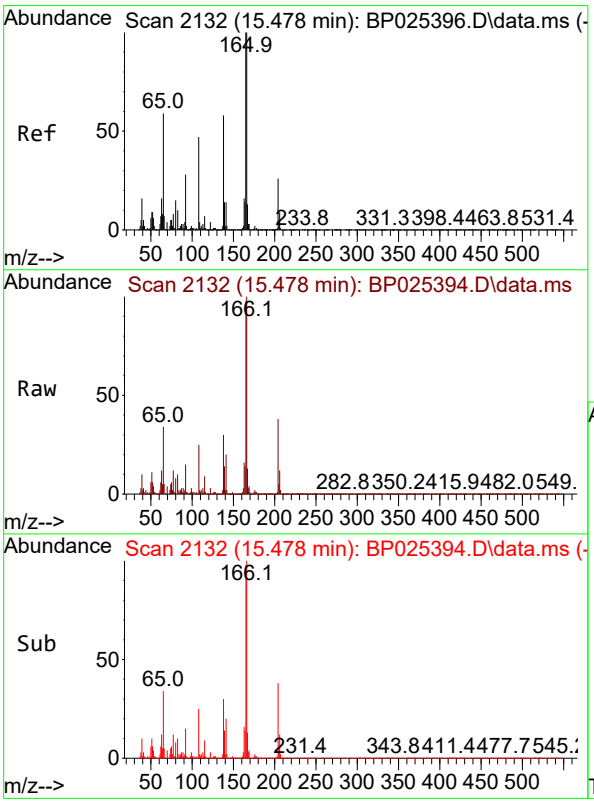
Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.8
141	62.5	49.4	74.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

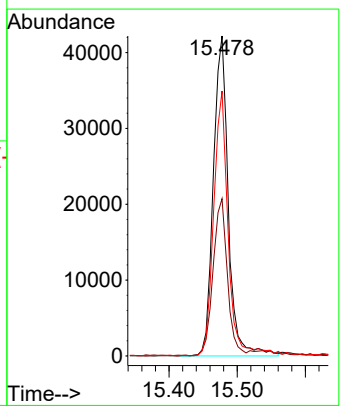


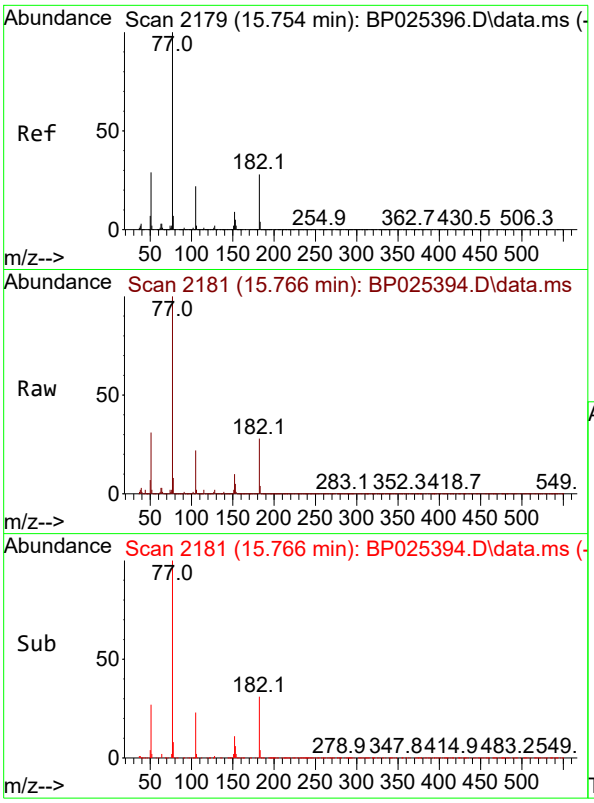


#62
4-Nitroaniline
Concen: 9.437 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:138 Resp: 64375

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	82.8	61.5	101.5

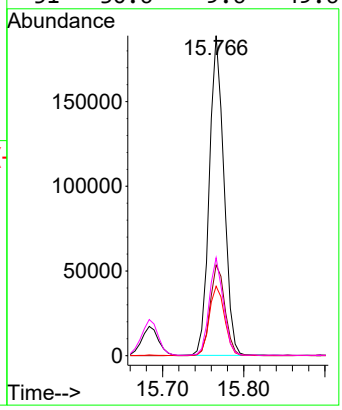




#63
Azobenzene
Concen: 9.620 ng
RT: 15.766 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 77 Resp: 23487

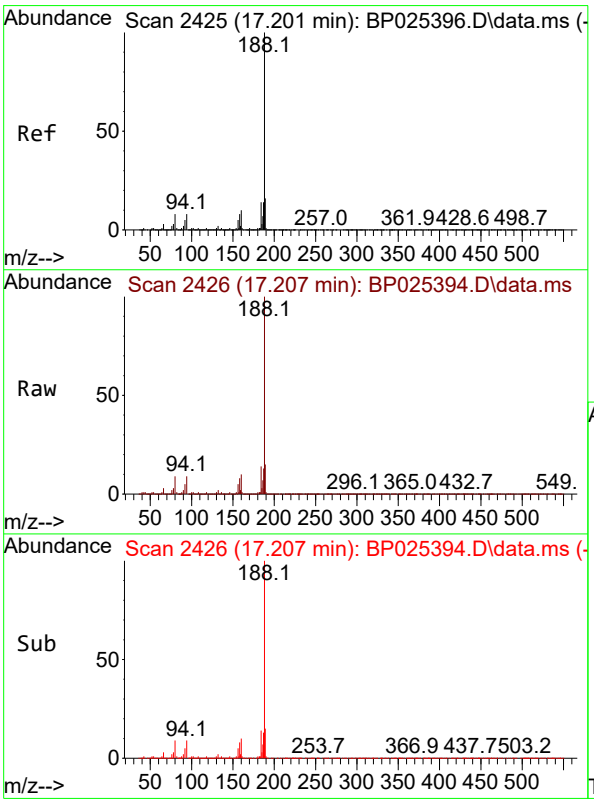
Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	21.7	2.1	42.1
51	30.6	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

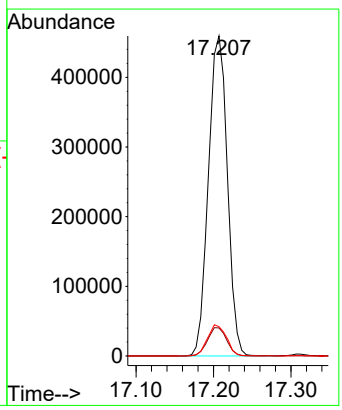
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

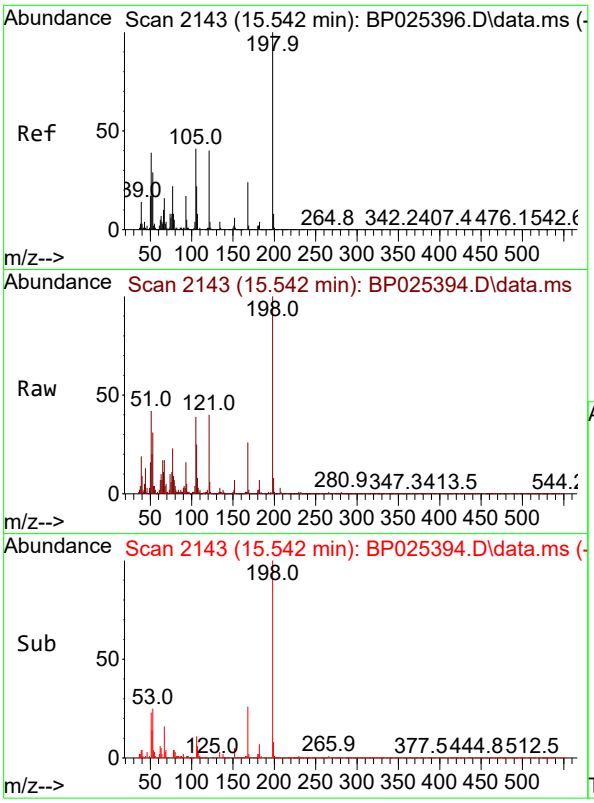


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:188 Resp: 780940

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.1	6.7	10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 7.679 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

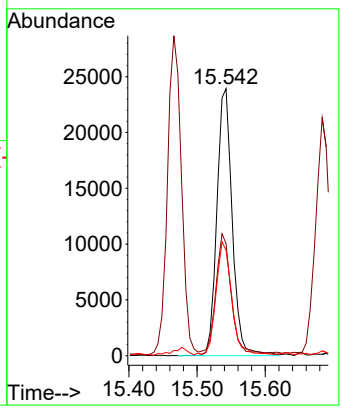
Tgt Ion:198 Resp: 3738

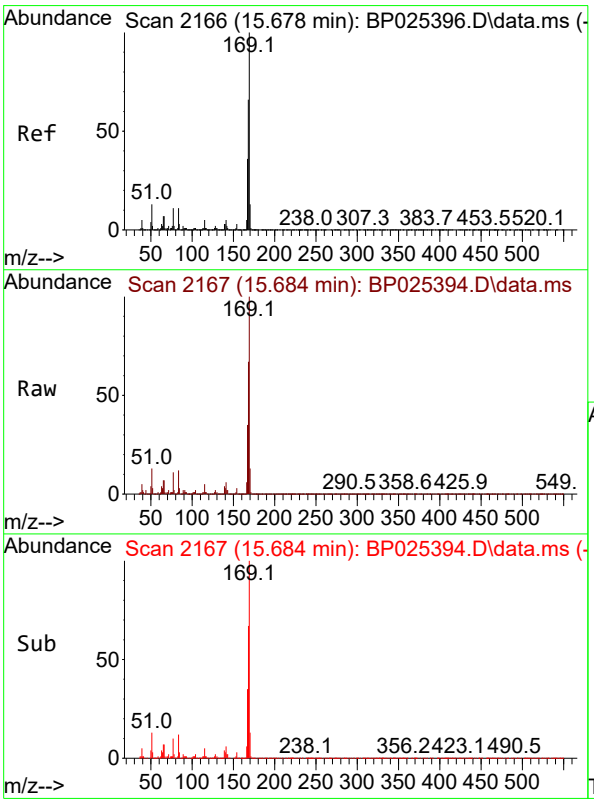
Ion	Ratio	Lower	Upper
198	100		
51	42.0	19.6	59.6
105	39.4	20.9	60.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

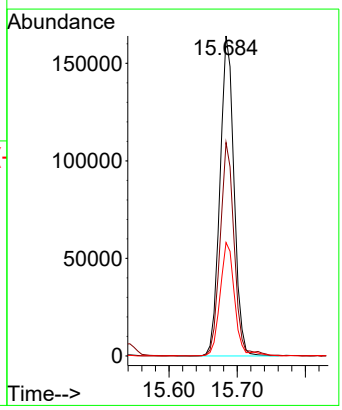


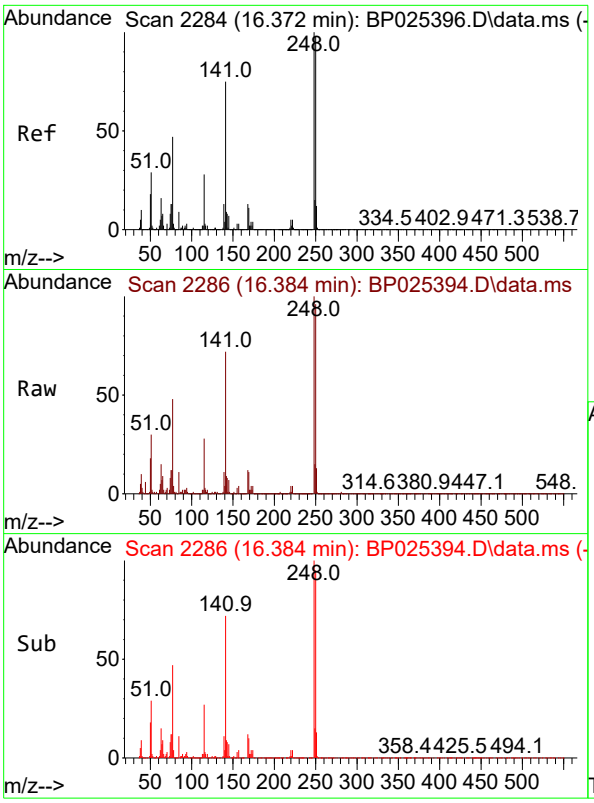


#66
n-Nitrosodiphenylamine
Concen: 9.883 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:169 Resp: 235344

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	35.5	28.7	43.1

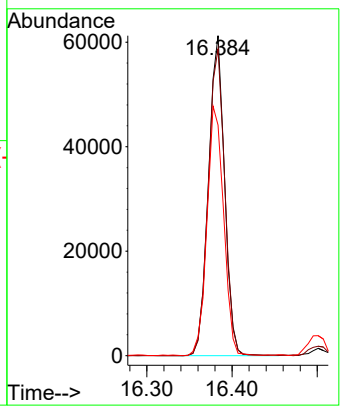




#67
4-Bromophenyl-phenylether
Concen: 9.358 ng
RT: 16.384 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:248 Resp: 8037

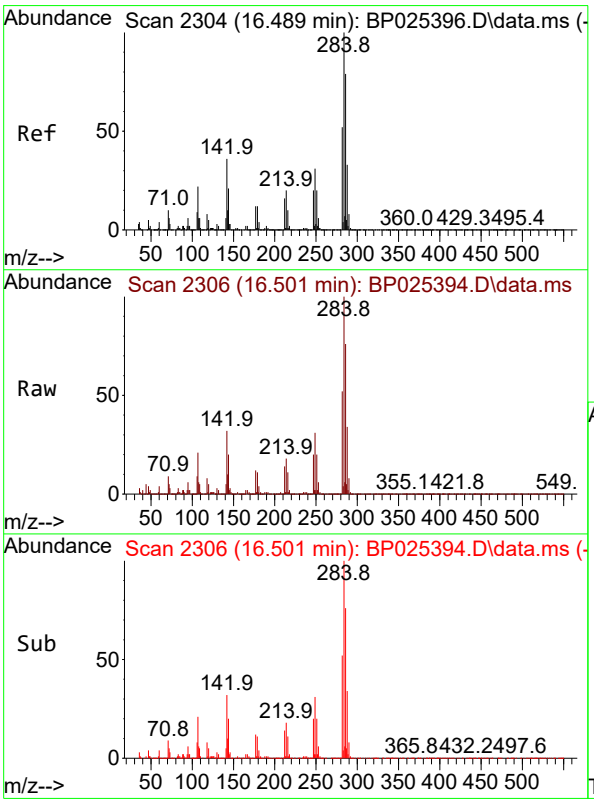
Ion	Ratio	Lower	Upper
248	100		
250	95.9	78.2	117.2
141	72.1	59.6	89.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

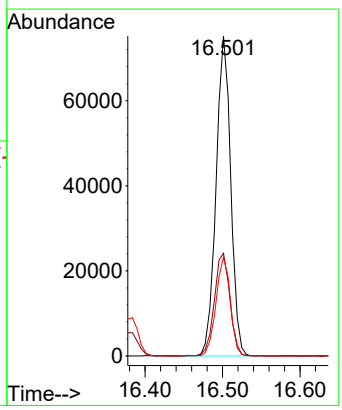
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

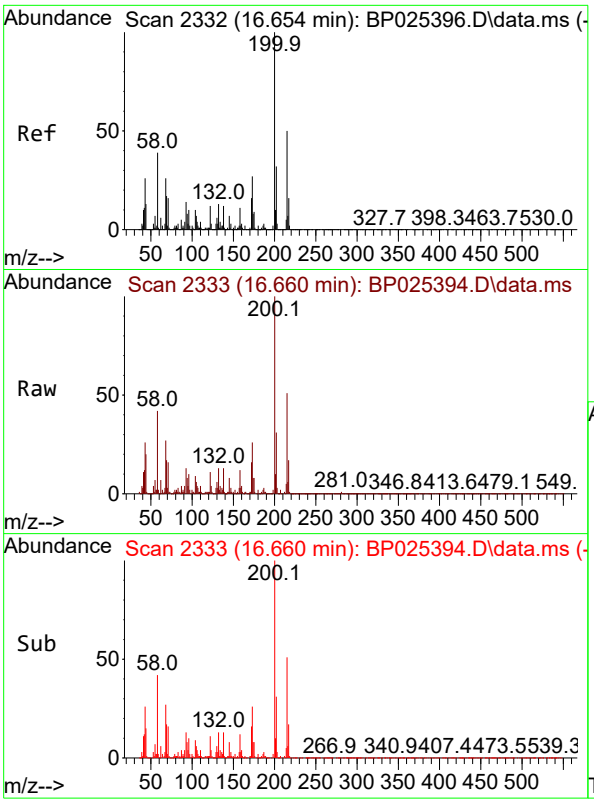


#68
Hexachlorobenzene
Concen: 9.905 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:284 Resp: 98614

Ion	Ratio	Lower	Upper
284	100		
142	32.1	29.1	43.7
249	30.8	25.0	37.4

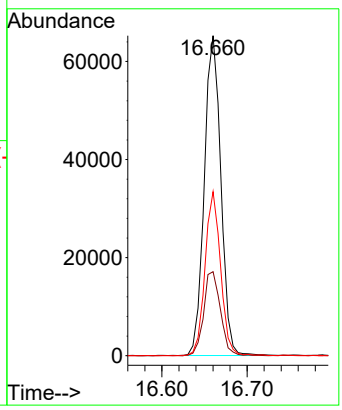




#69
Atrazine
Concen: 9.894 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:200 Resp: 8824

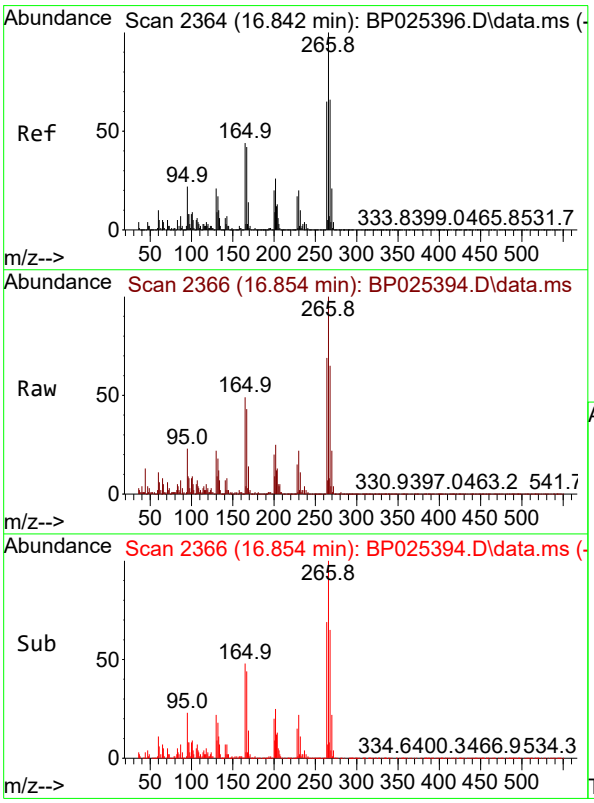
Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.7	46.7
215	51.3	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

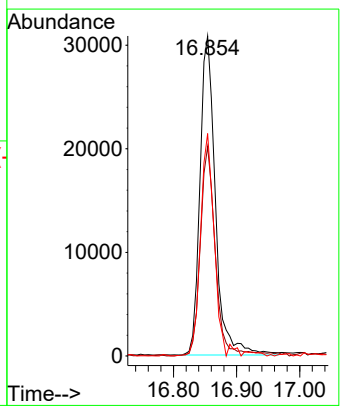
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

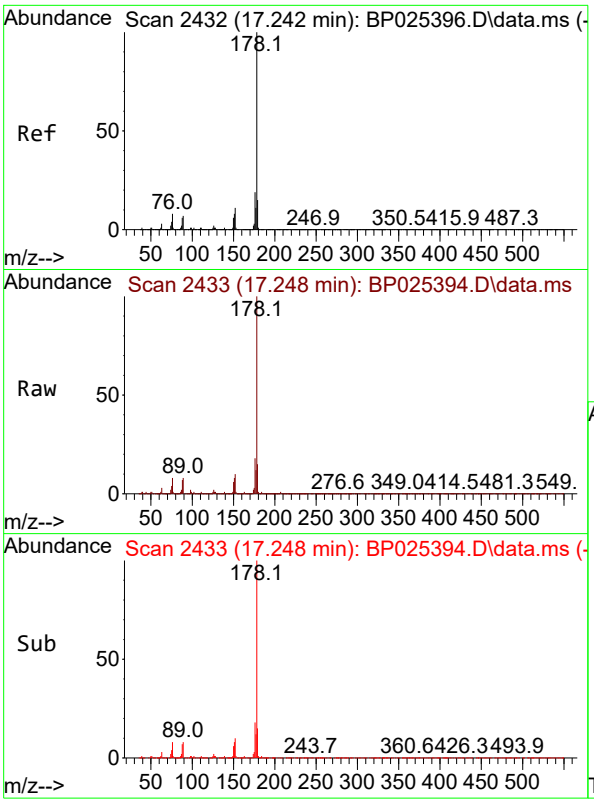


#70
Pentachlorophenol
Concen: 8.360 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:266 Resp: 52539

Ion	Ratio	Lower	Upper
266	100		
268	65.4	52.6	79.0
264	69.5	52.0	78.0

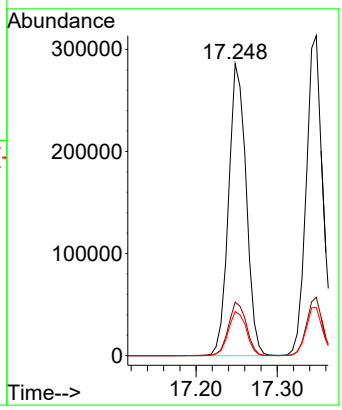




#71
Phenanthrene
Concen: 10.018 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:178 Resp: 42975

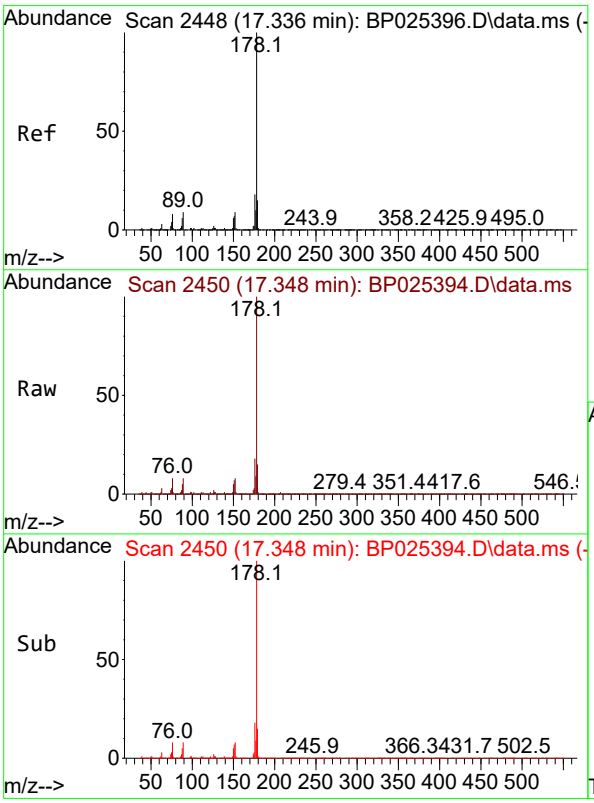
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	15.1	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

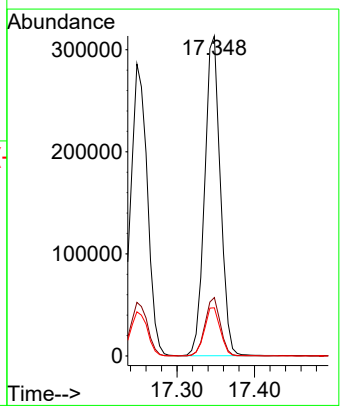
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

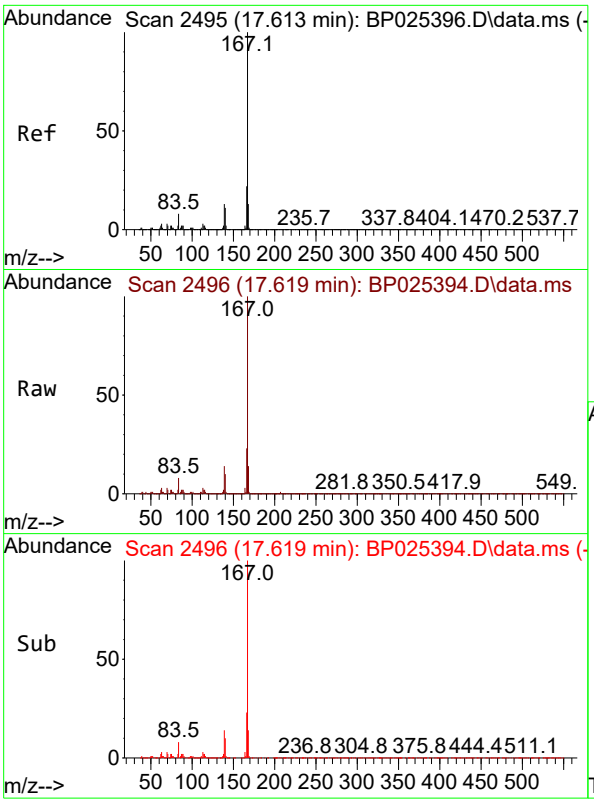


#72
Anthracene
Concen: 10.020 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:178 Resp: 438953

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.1	12.2	18.2

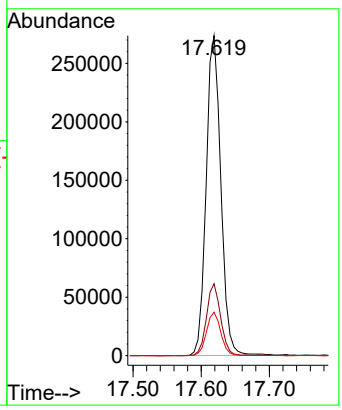




#73
Carbazole
Concen: 9.954 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:167 Resp: 41072

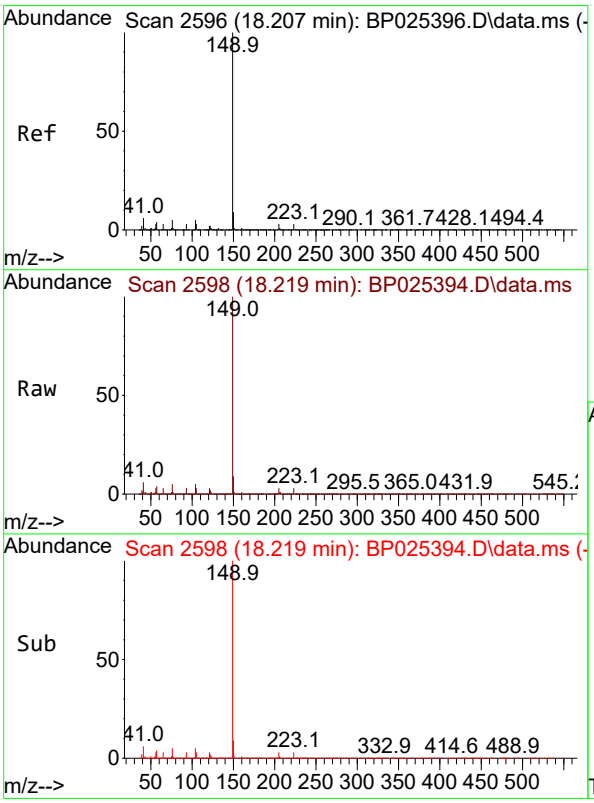
Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.5	26.3
139	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

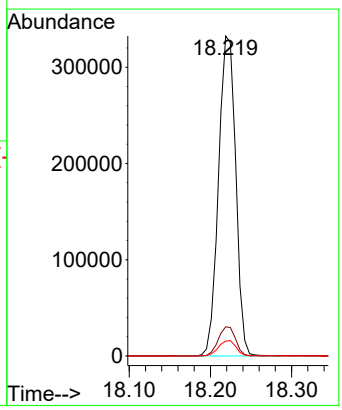
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

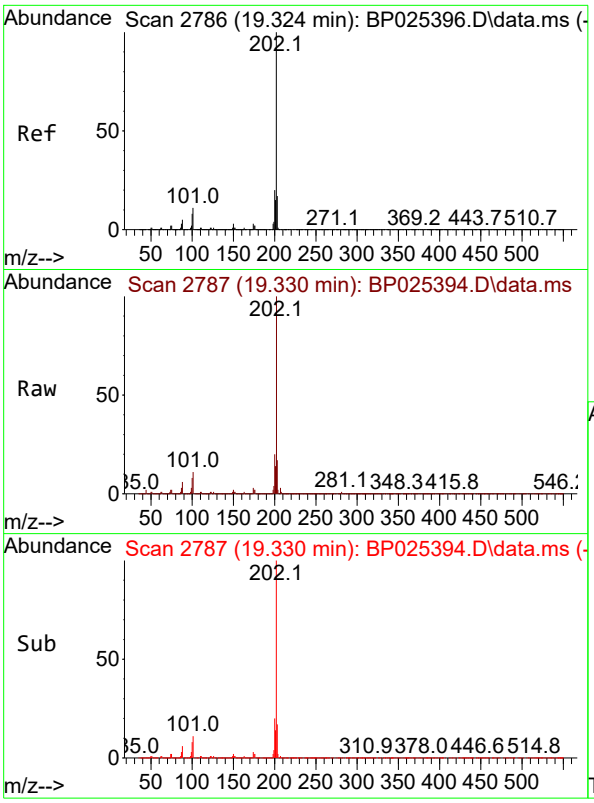


#74
Di-n-butylphthalate
Concen: 9.656 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 490232

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.7	4.2	6.2

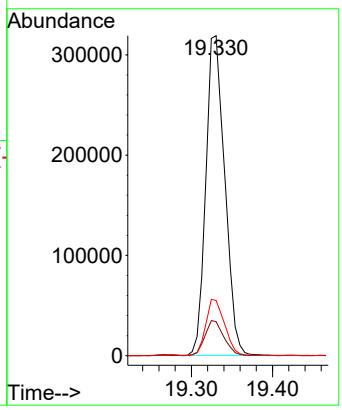




#75
Fluoranthene
Concen: 10.094 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:202 Resp: 51652

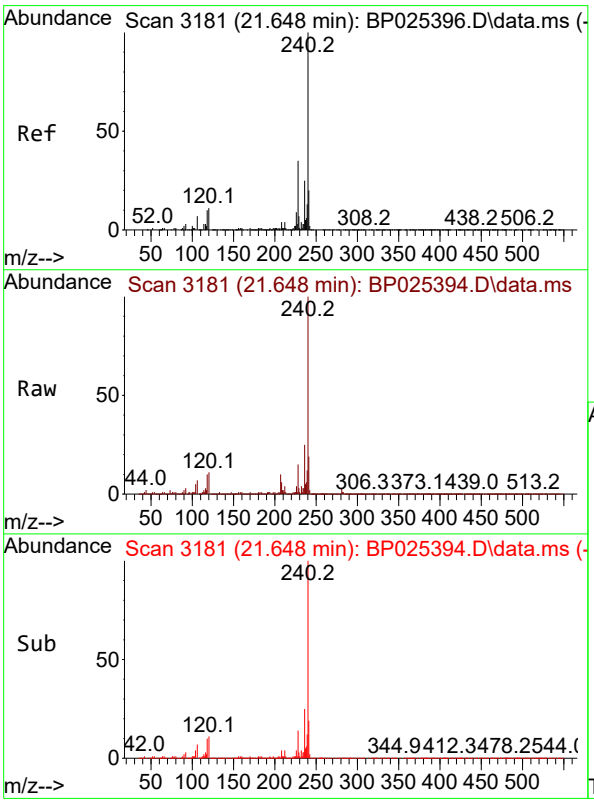
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.1
203	17.2	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

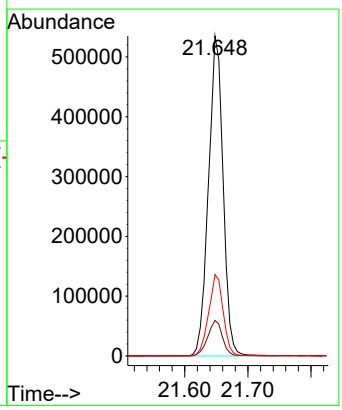
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

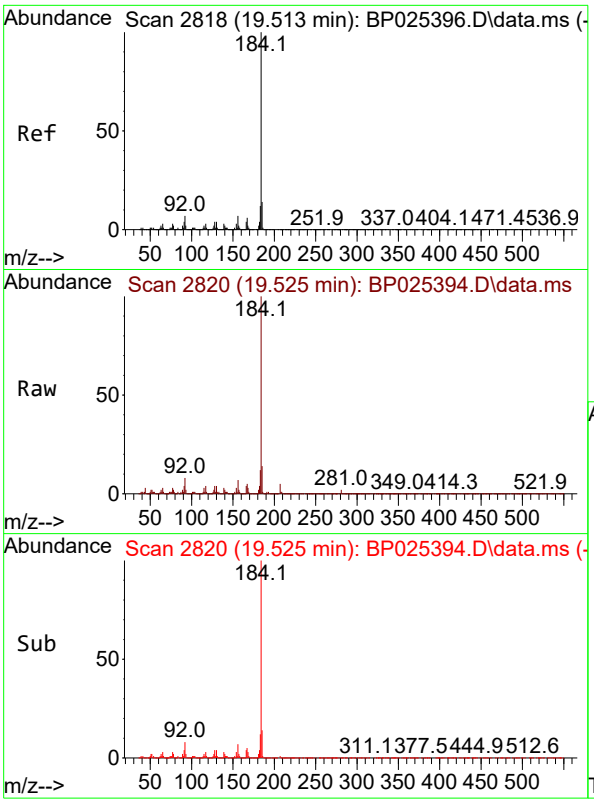


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:240 Resp: 860386

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	25.5	19.8	29.8

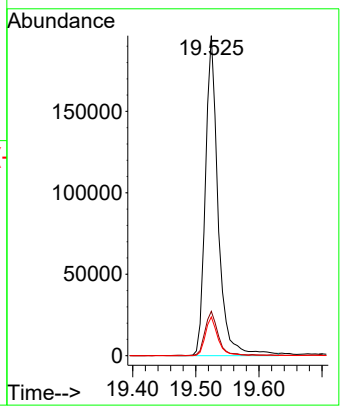




#77
Benzidine
Concen: 9.406 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:184 Resp: 27619

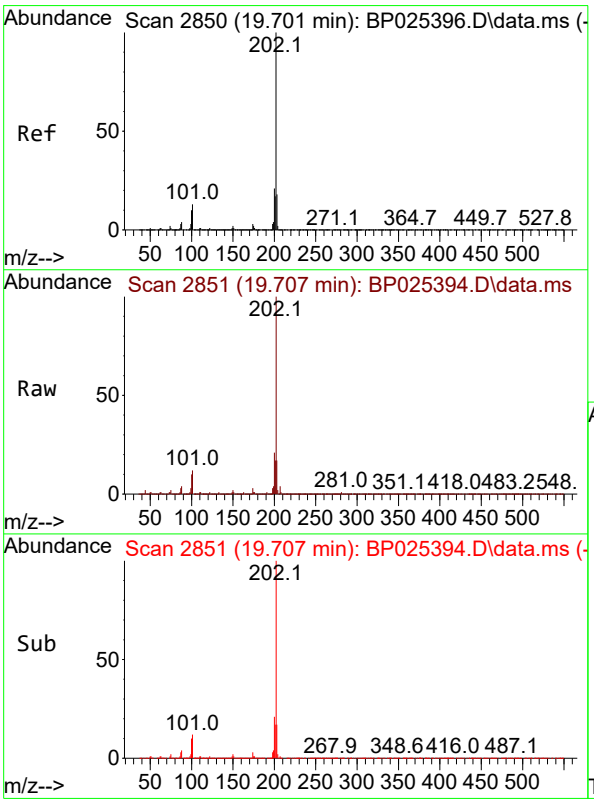
Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	12.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

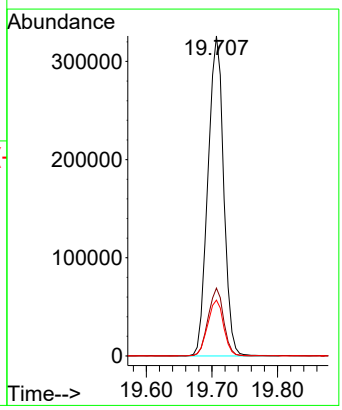
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

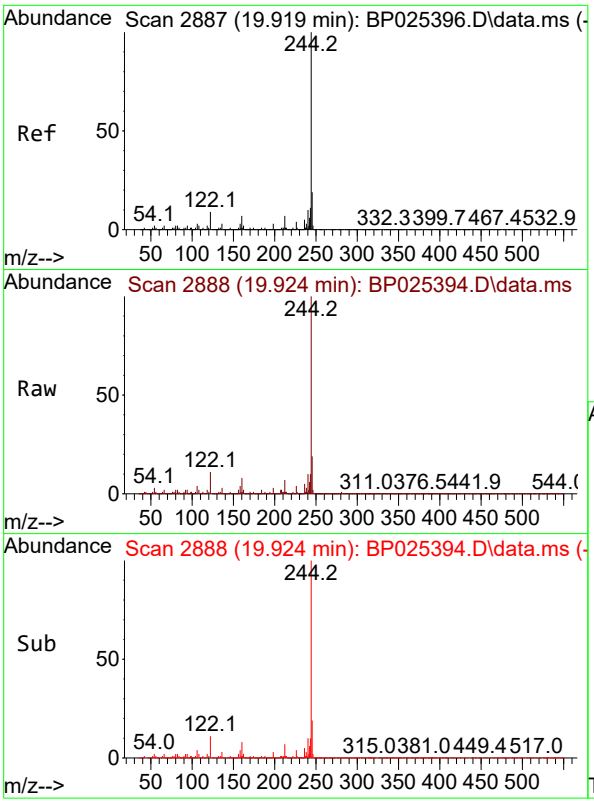


#78
Pyrene
Concen: 9.704 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:202 Resp: 542670

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.5	14.2	21.2

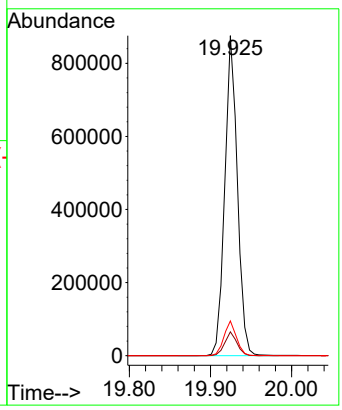




#79
Terphenyl-d14
Concen: 20.125 ng
RT: 19.924 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:244 Resp: 94642

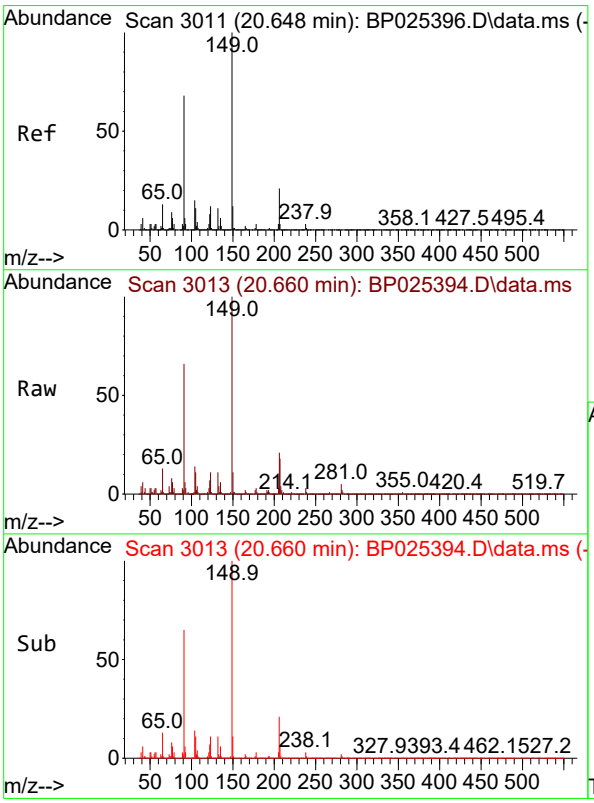
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.9	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

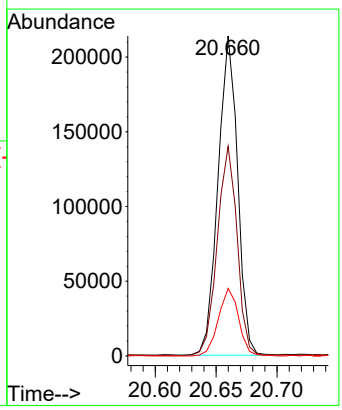
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

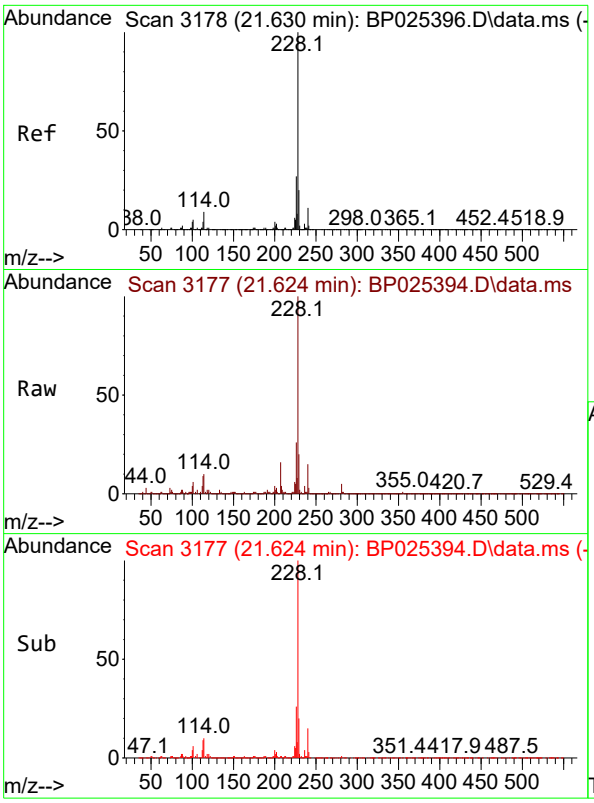


#80
Butylbenzylphthalate
Concen: 9.446 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 239416

Ion	Ratio	Lower	Upper
149	100		
91	65.5	54.2	81.2
206	21.1	16.6	24.8

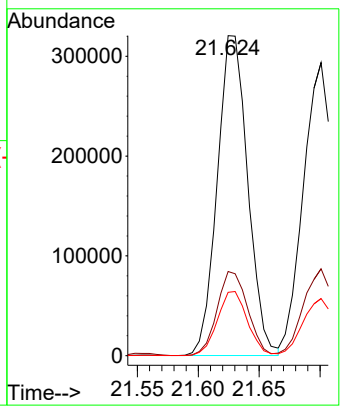




#81
Benzo(a)anthracene
Concen: 9.874 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:228 Resp: 56027

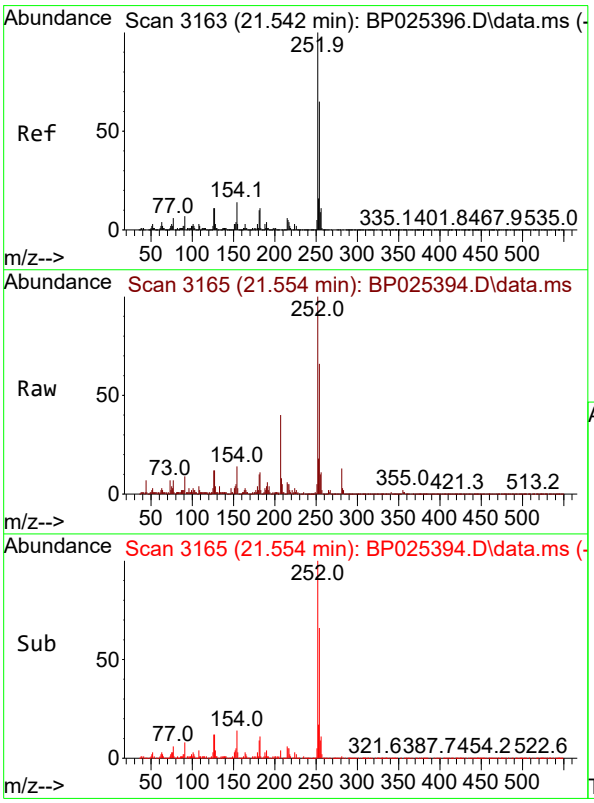
Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.7	32.5
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

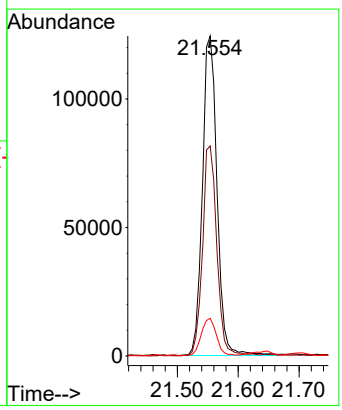
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

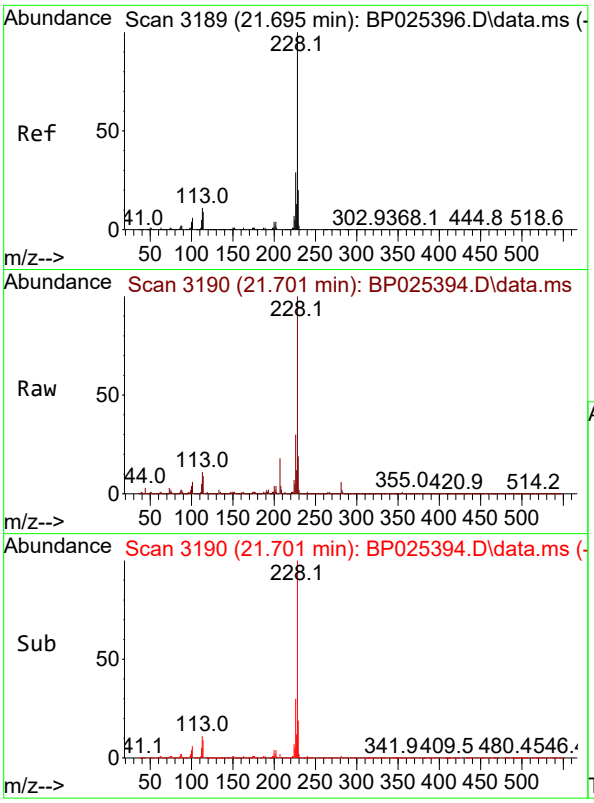


#82
3,3'-Dichlorobenzidine
Concen: 9.686 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 207153

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.8	77.6
126	11.7	9.1	13.7

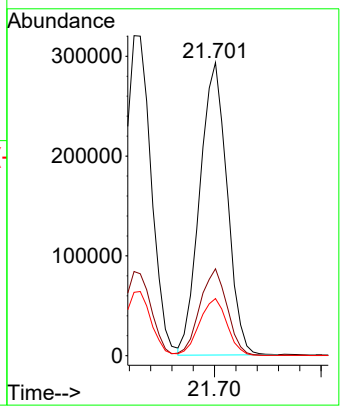




#83
Chrysene
Concen: 9.831 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:228 Resp: 52241

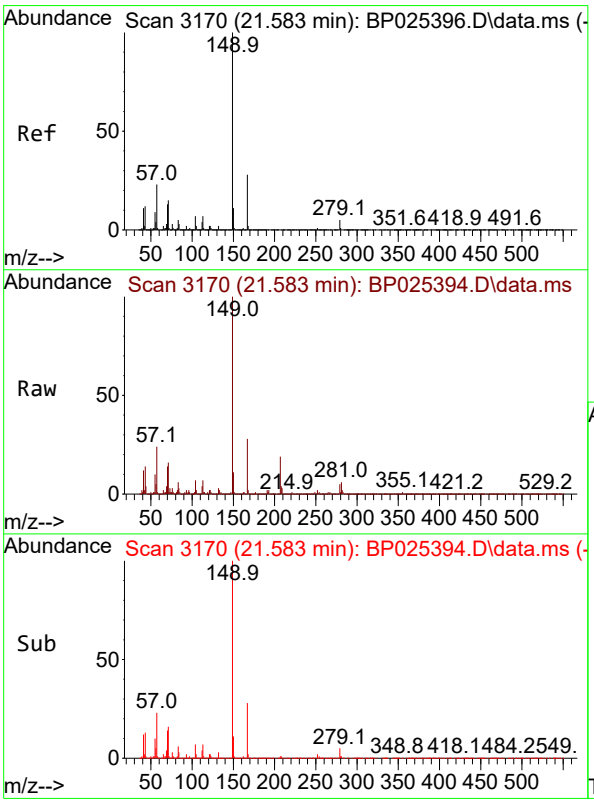
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

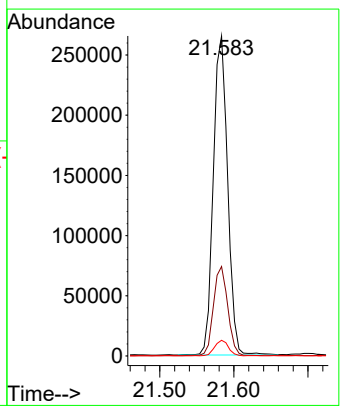
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

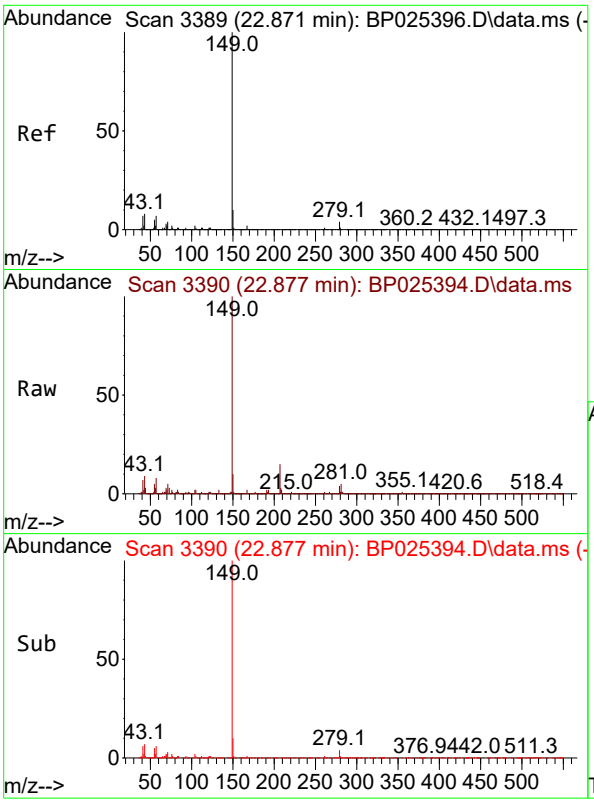


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.529 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 355530

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	4.9	3.8	5.6

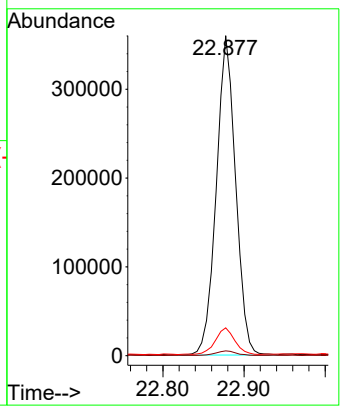




#85
Di-n-octyl phthalate
Concen: 9.259 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 59419

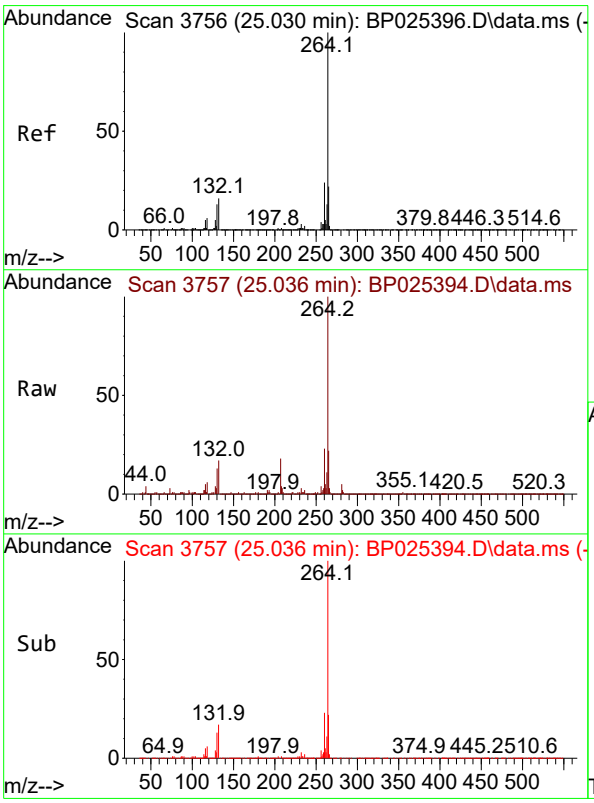
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.4	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

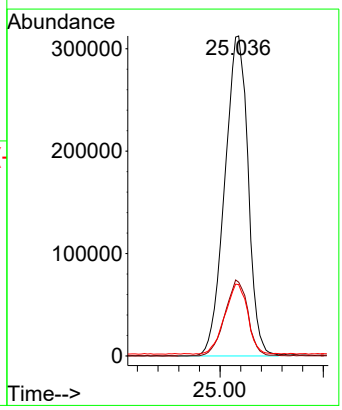
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

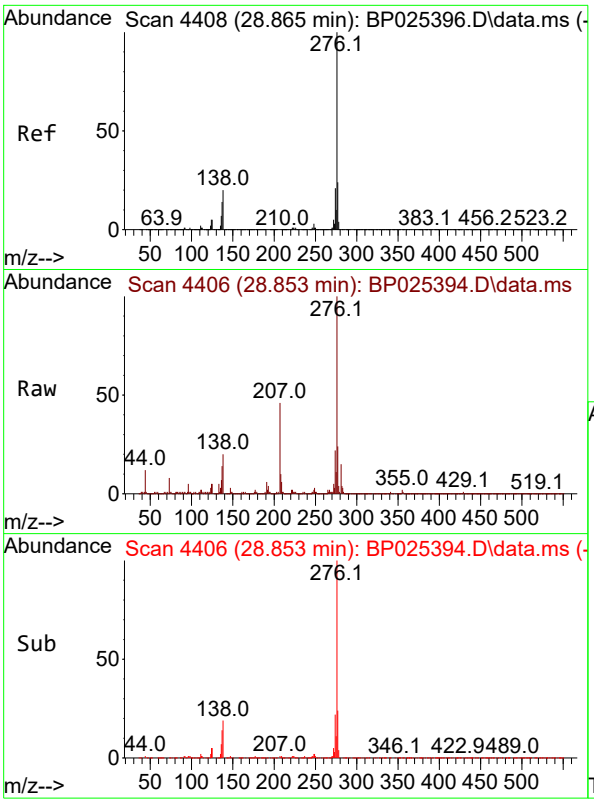


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:264 Resp: 980670

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	22.3	17.4	26.0

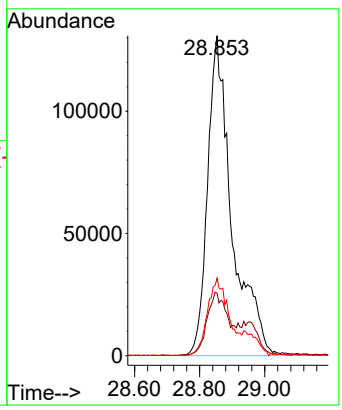




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.438 ng m
RT: 28.853 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:276 Resp: 67898

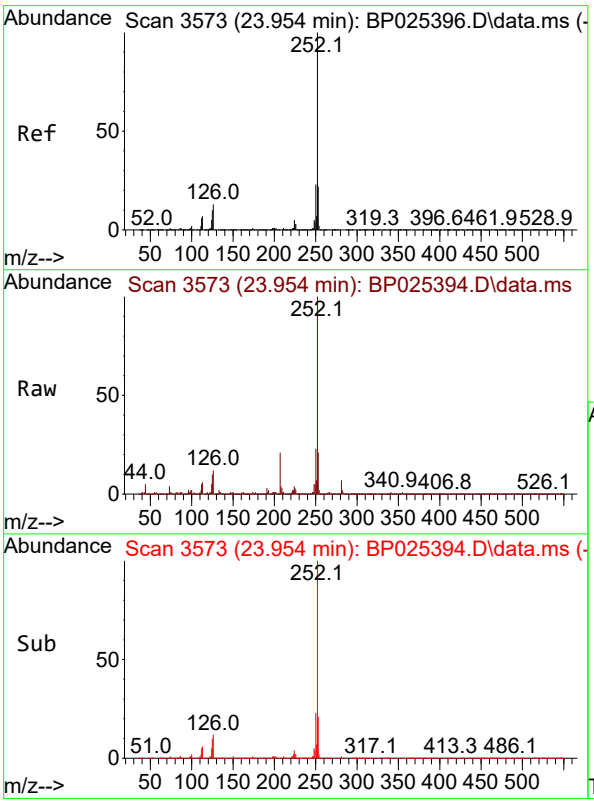
Ion	Ratio	Lower	Upper
276	100		
138	16.7	12.9	19.3
277	21.1	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

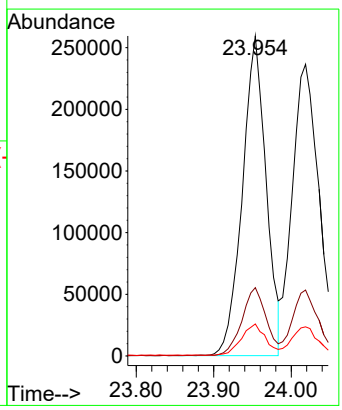
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

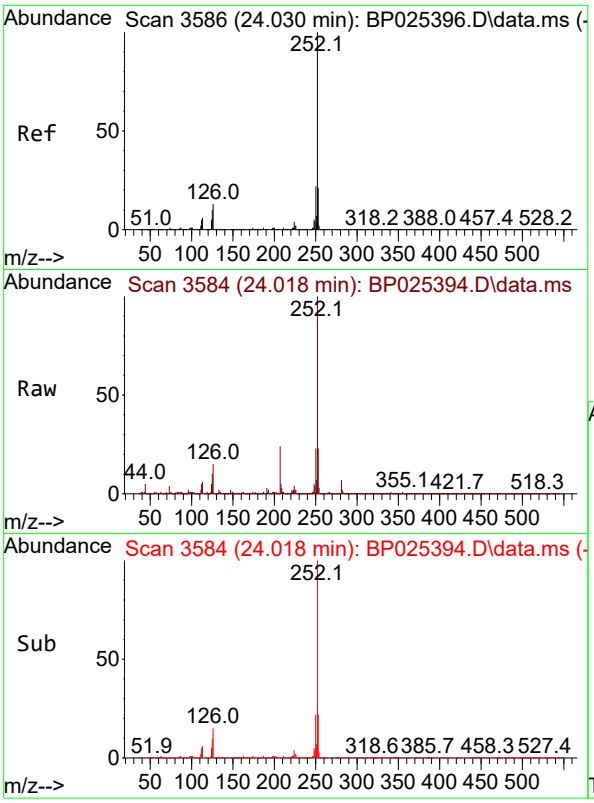


#88
Benzo(b)fluoranthene
Concen: 9.549 ng
RT: 23.954 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 552191

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	10.0	7.9	11.9

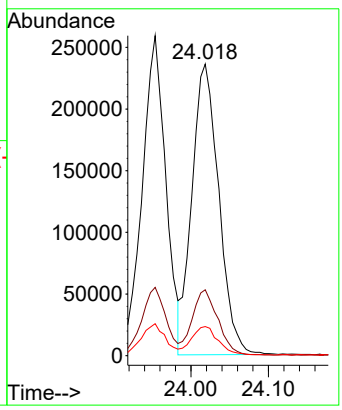




#89
Benzo(k)fluoranthene
Concen: 9.800 ng
RT: 24.018 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 56708

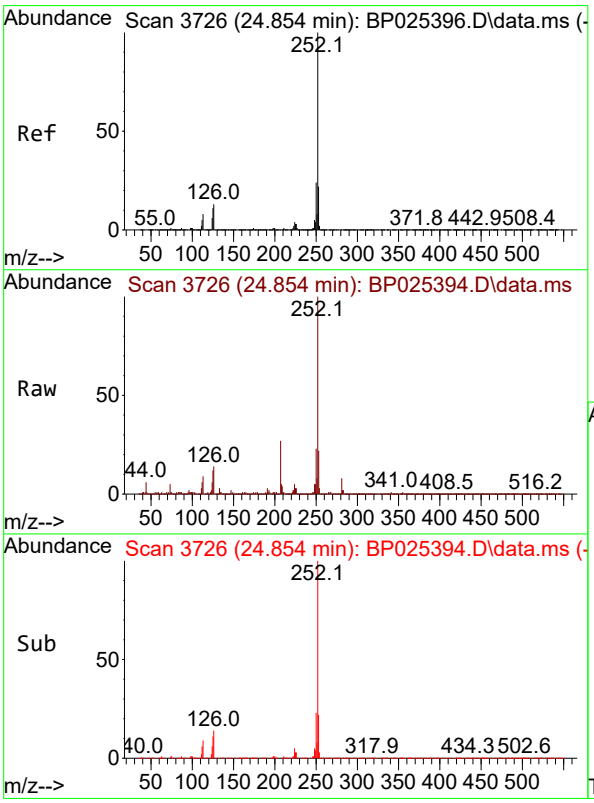
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	10.0	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

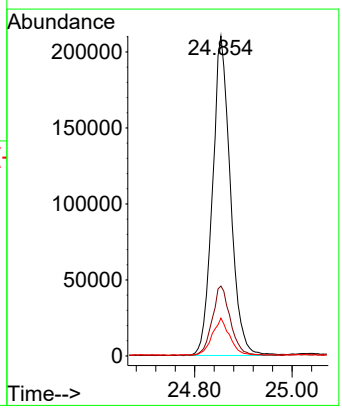
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

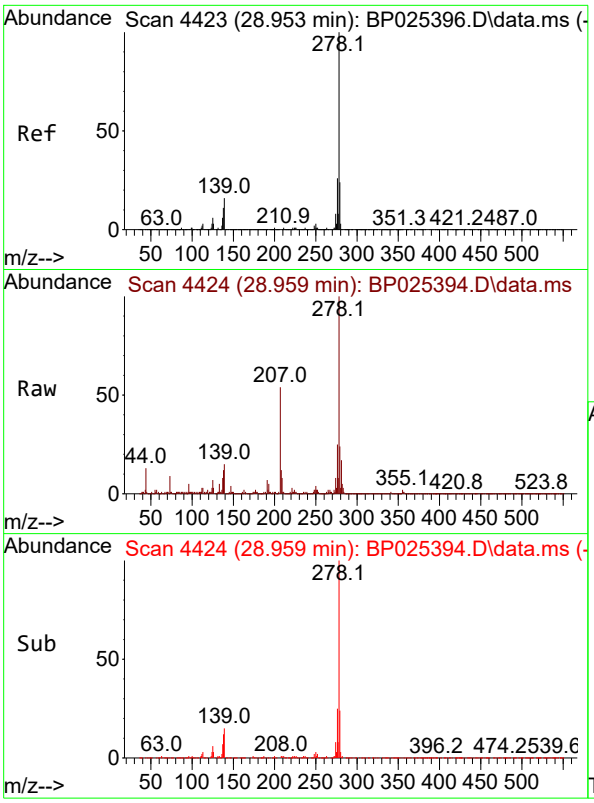


#90
Benzo(a)pyrene
Concen: 9.519 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 535820

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.8	8.7	13.1

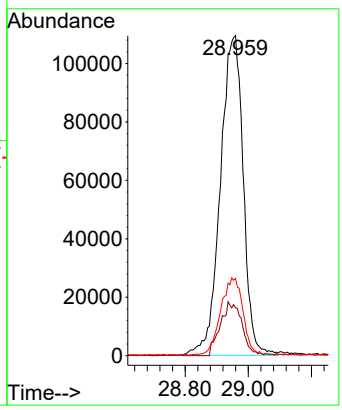




#91
Dibenzo(a,h)anthracene
Concen: 9.387 ng
RT: 28.959 min Scan# 44
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:278 Resp: 55169

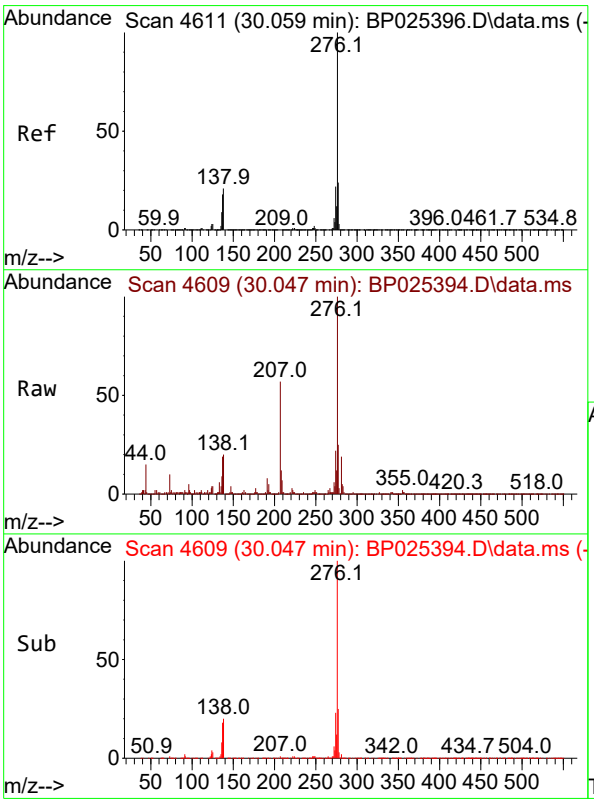
Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.0	19.4
279	24.2	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

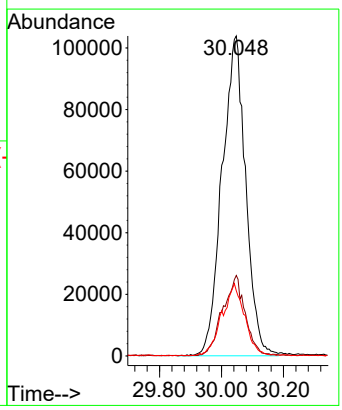
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 9.489 ng
RT: 30.047 min Scan# 4609
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:276 Resp: 548117

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.0
138	20.4	16.7	25.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025395.D
Acq On : 14 Aug 2025 14:38
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 14 17:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	141721	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	603797	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	399034	20.000	ng		0.00
64) Phenanthrene-d10	17.213	188	785736	20.000	ng		0.01
76) Chrysene-d12	21.654	240	852065	20.000	ng		0.00
86) Perylene-d12	25.036	264	958651	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	338568	39.674	ng		0.00
7) Phenol-d6	6.966	99	434388	39.702	ng		0.00
23) Nitrobenzene-d5	8.931	82	473937	39.706	ng		0.00
42) 2,4,6-Tribromophenol	15.925	330	212968	39.651	ng		0.01
45) 2-Fluorobiphenyl	13.025	172	1203064	41.205	ng		0.00
79) Terphenyl-d14	19.930	244	1869951	40.152	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	67276	20.126	ng		99
3) Pyridine	3.731	79	177948	19.450	ng		98
4) n-Nitrosodimethylamine	3.637	42	72627	19.255	ng	#	96
6) Aniline	7.125	93	287645	19.513	ng		99
8) 2-Chlorophenol	7.366	128	190858	19.819	ng		99
9) Benzaldehyde	6.937	77	135464	17.672	ng		99
10) Phenol	6.990	94	228580	19.910	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	180390	20.159	ng		98
12) 1,3-Dichlorobenzene	7.684	146	213023	20.061	ng		99
13) 1,4-Dichlorobenzene	7.825	146	216400	19.938	ng		99
14) 1,2-Dichlorobenzene	8.143	146	211243	20.106	ng		99
15) Benzyl Alcohol	8.019	79	170736	19.640	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	242616	20.240	ng		99
17) 2-Methylphenol	8.225	107	159119	19.956	ng		98
18) Hexachloroethane	8.866	117	78205	19.597	ng		94
19) n-Nitroso-di-n-propyla...	8.584	70	149715	20.633	ng		97
20) 3+4-Methylphenols	8.543	107	217240	19.655	ng		98
22) Acetophenone	8.596	105	305812	20.196	ng		99
24) Nitrobenzene	8.972	77	210234	19.708	ng		100
25) Isophorone	9.496	82	422370	19.995	ng		99
26) 2-Nitrophenol	9.678	139	106805	19.509	ng		98
27) 2,4-Dimethylphenol	9.743	122	178534	18.963	ng		99
28) bis(2-Chloroethoxy)met...	9.972	93	256656	20.100	ng		99
29) 2,4-Dichlorophenol	10.207	162	186076	19.896	ng		99
30) 1,2,4-Trichlorobenzene	10.425	180	201995	19.702	ng		98
31) Naphthalene	10.613	128	625899	19.944	ng		99
32) Benzoic acid	9.843	122	124836m	18.004	ng		
33) 4-Chloroaniline	10.713	127	270158	19.489	ng		99
34) Hexachlorobutadiene	10.901	225	127593	19.983	ng		99
35) Caprolactam	11.484	113	66168	19.294	ng		95
36) 4-Chloro-3-methylphenol	11.837	107	209817	19.551	ng		97
37) 2-Methylnaphthalene	12.219	142	409613	20.057	ng		99
38) 1-Methylnaphthalene	12.443	142	430666	19.829	ng		100
40) 1,2,4,5-Tetrachloroben...	12.590	216	233523	20.263	ng		99
41) Hexachlorocyclopentadiene	12.572	237	124759	17.922	ng		98
43) 2,4,6-Trichlorophenol	12.831	196	152031	19.540	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025395.D
Acq On : 14 Aug 2025 14:38
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 14 17:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	169197	19.842	ng	98
46) 1,1'-Biphenyl	13.237	154	581464	20.064	ng	100
47) 2-Chloronaphthalene	13.272	162	456552	20.237	ng	98
48) 2-Nitroaniline	13.478	65	126433	19.233	ng	99
49) Acenaphthylene	14.137	152	737527	19.756	ng	99
50) Dimethylphthalate	13.866	163	573661	19.632	ng	100
51) 2,6-Dinitrotoluene	13.966	165	120693	19.597	ng	96
52) Acenaphthene	14.484	154	438852m	20.027	ng	
53) 3-Nitroaniline	14.301	138	134502	19.410	ng	97
54) 2,4-Dinitrophenol	14.519	184	55713	16.939	ng	98
55) Dibenzofuran	14.819	168	692966	20.002	ng	99
56) 4-Nitrophenol	14.619	139	105787	18.578	ng	98
57) 2,4-Dinitrotoluene	14.772	165	172020	19.576	ng	96
58) Fluorene	15.478	166	554647	20.289	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.048	232	145926	19.381	ng	99
60) Diethylphthalate	15.248	149	584590	19.689	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	270949	19.929	ng	98
62) 4-Nitroaniline	15.478	138	139202	19.595	ng	100
63) Azobenzene	15.766	77	508563	20.004	ng	100
65) 4,6-Dinitro-2-methylph...	15.548	198	88992	18.169	ng	97
66) n-Nitrosodiphenylamine	15.684	169	477080	19.911	ng	99
67) 4-Bromophenyl-phenylether	16.389	248	170738	19.758	ng	97
68) Hexachlorobenzene	16.495	284	199410	19.906	ng	99
69) Atrazine	16.666	200	179513	20.006	ng	99
70) Pentachlorophenol	16.848	266	120958	19.128	ng	99
71) Phenanthrene	17.254	178	872890	20.223	ng	99
72) Anthracene	17.342	178	890292	20.198	ng	100
73) Carbazole	17.625	167	843970	20.328	ng	99
74) Di-n-butylphthalate	18.219	149	1046709	20.491	ng	100
75) Fluoranthene	19.342	202	1058912	20.567	ng	99
77) Benzidine	19.525	184	546647	18.799	ng	99
78) Pyrene	19.713	202	1096965	19.807	ng	99
80) Butylbenzylphthalate	20.666	149	504019	20.081	ng	97
81) Benzo(a)anthracene	21.630	228	1118590	19.906	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	432075	20.399	ng	100
83) Chrysene	21.707	228	1063898	20.216	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	744704	20.155	ng	99
85) Di-n-octyl phthalate	22.871	149	1276798	20.091	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	1380331m	19.627	ng	
88) Benzo(b)fluoranthene	23.948	252	1122408	19.855	ng	100
89) Benzo(k)fluoranthene	24.018	252	1150366	20.336	ng	100
90) Benzo(a)pyrene	24.854	252	1102804	20.041	ng	100
91) Dibenzo(a,h)anthracene	28.965	278	1130209	19.672	ng	98
92) Benzo(g,h,i)perylene	30.053	276	1120307	19.840	ng	99

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

ICAL Form

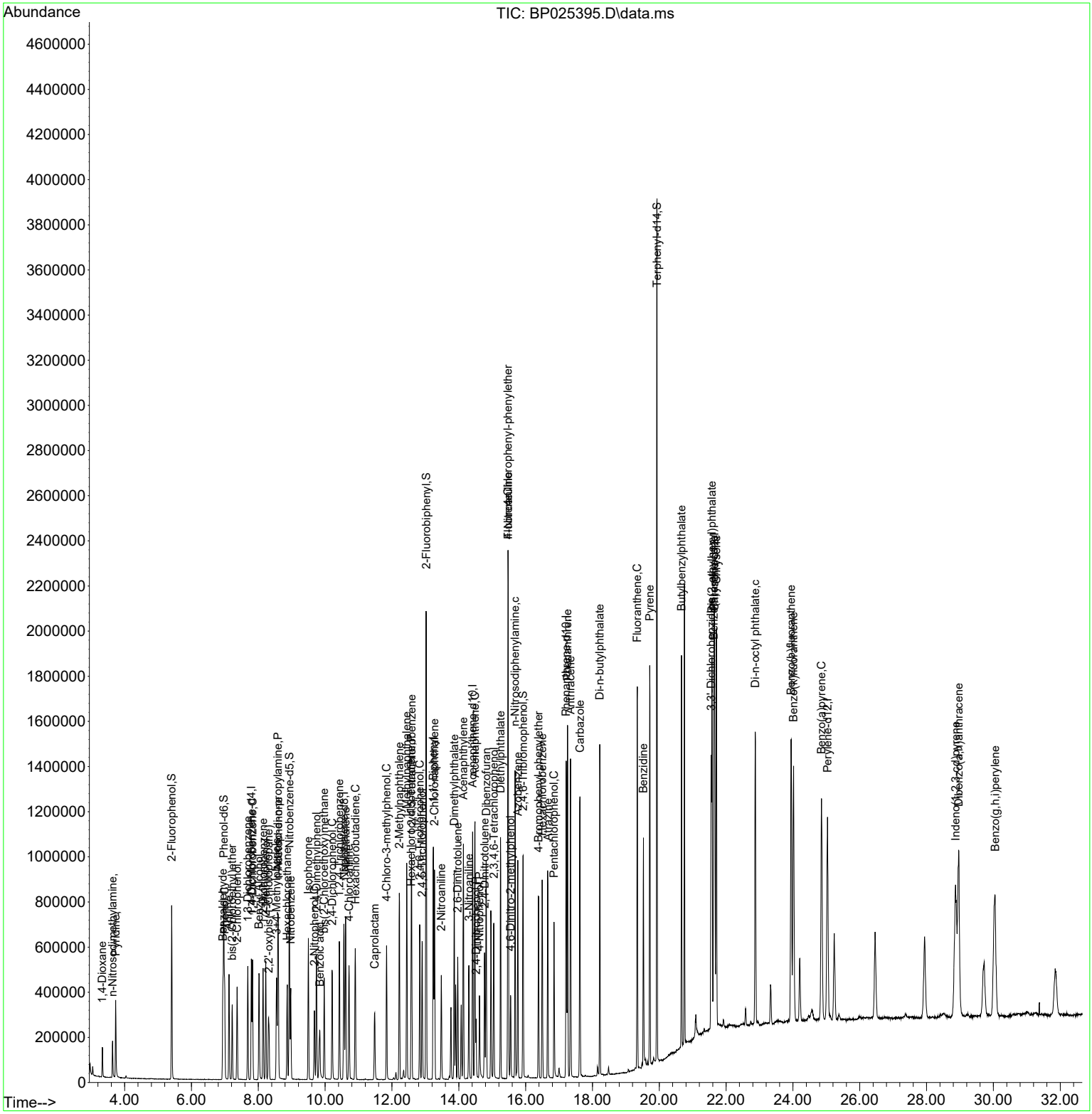
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025395.D
Acq On : 14 Aug 2025 14:38
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

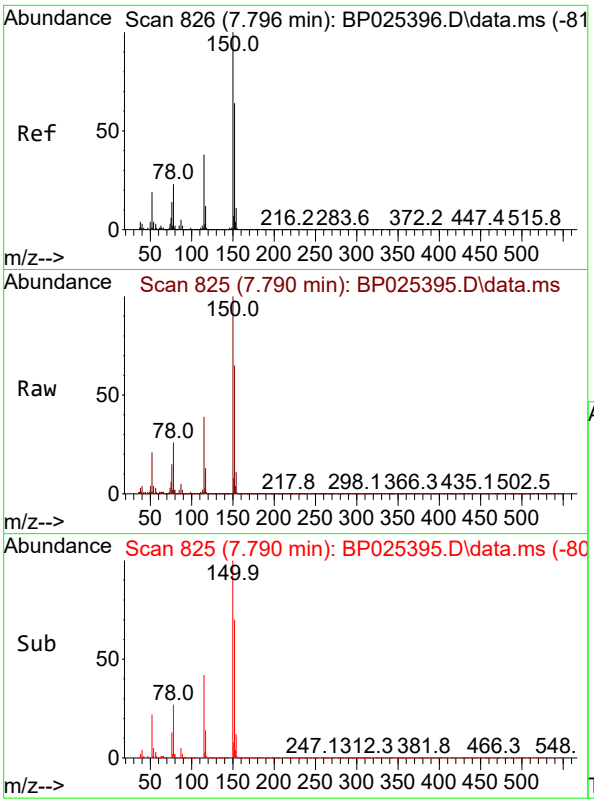
Quant Time: Aug 14 17:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

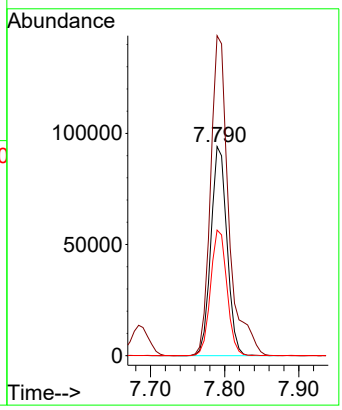




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:152 Resp: 14172

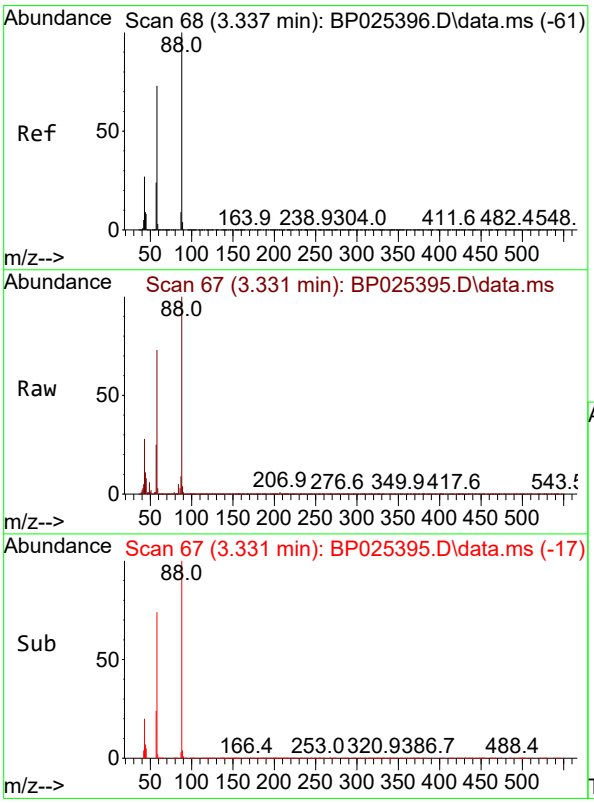
Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.9	188.9
115	60.0	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

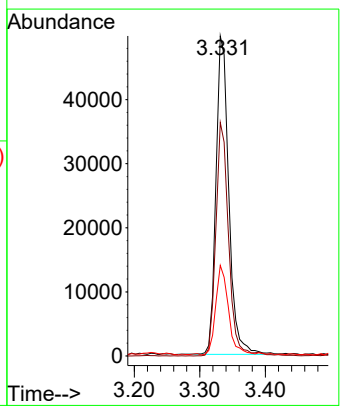
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

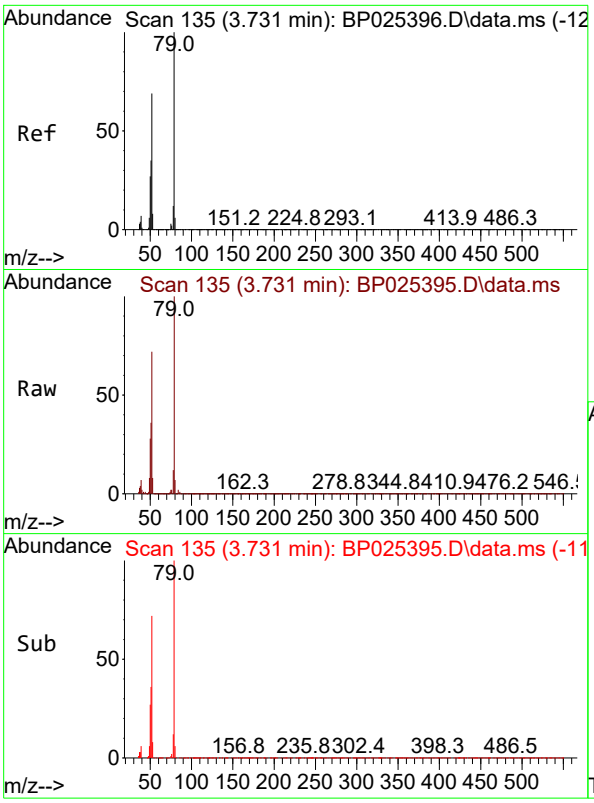


#2
1,4-Dioxane
Concen: 20.126 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 88 Resp: 67276

Ion	Ratio	Lower	Upper
88	100		
58	73.2	59.2	88.8
43	27.9	21.7	32.5

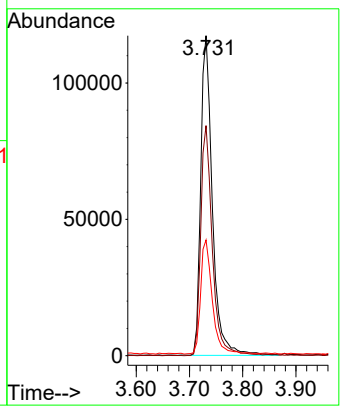




#3
Pyridine
Concen: 19.450 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 79 Resp: 17794

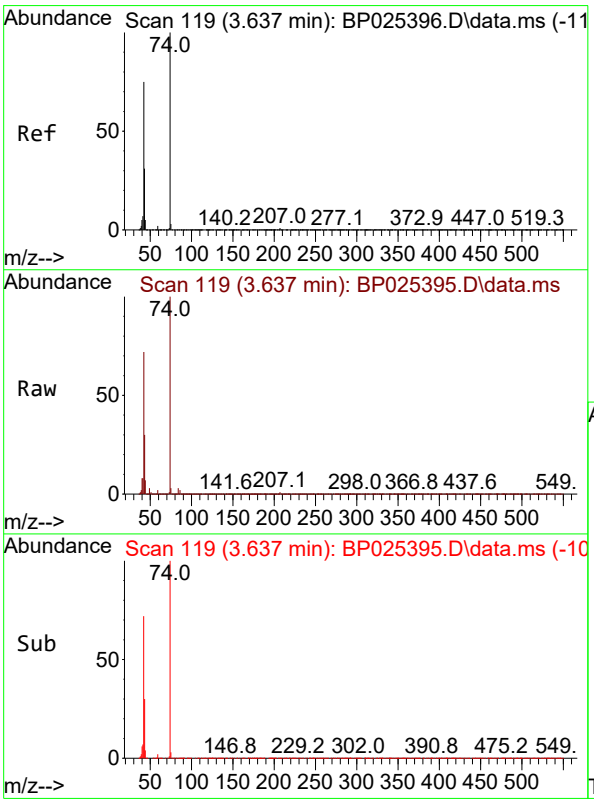
Ion	Ratio	Lower	Upper
79	100		
52	71.9	55.5	83.3
51	36.1	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

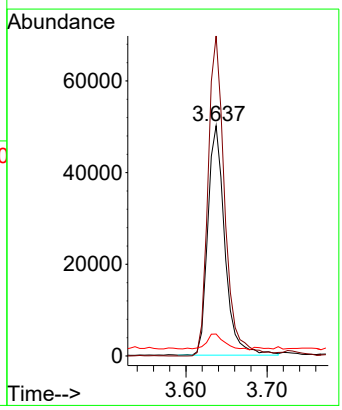
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

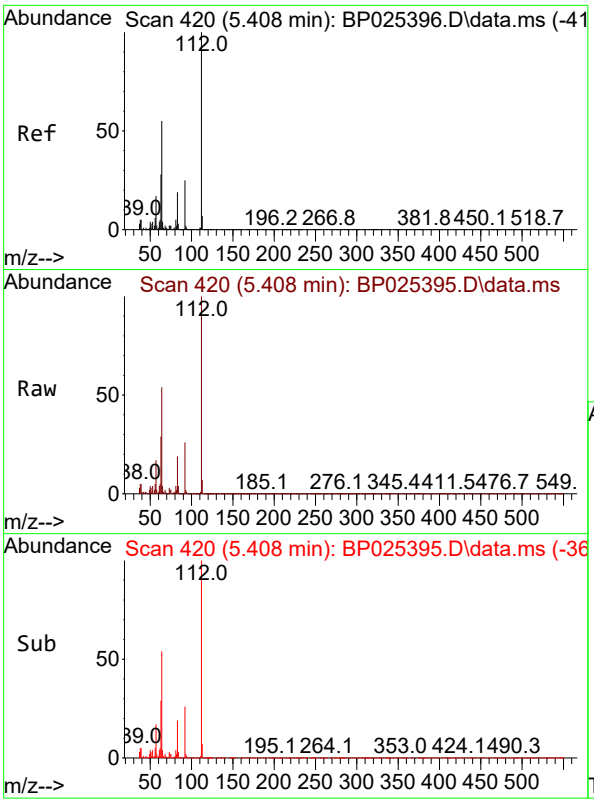


#4
n-Nitrosodimethylamine
Concen: 19.255 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 42 Resp: 72627

Ion	Ratio	Lower	Upper
42	100		
74	138.9	107.0	160.4
44	9.5	6.2	9.4#

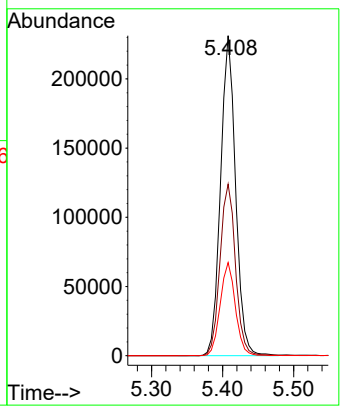




#5
2-Fluorophenol
Concen: 39.674 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:112 Resp: 33856

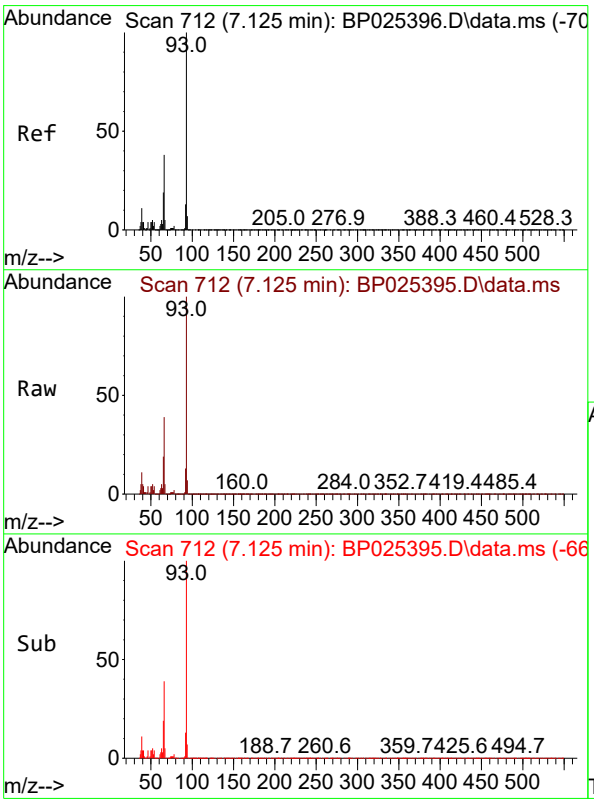
Ion	Ratio	Lower	Upper
112	100		
64	53.6	43.8	65.8
63	29.1	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

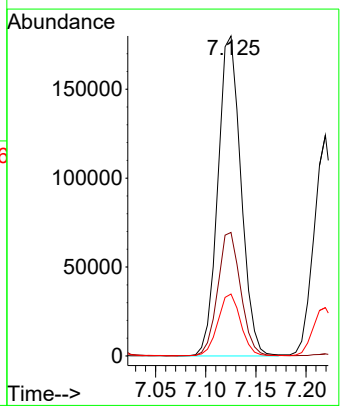
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

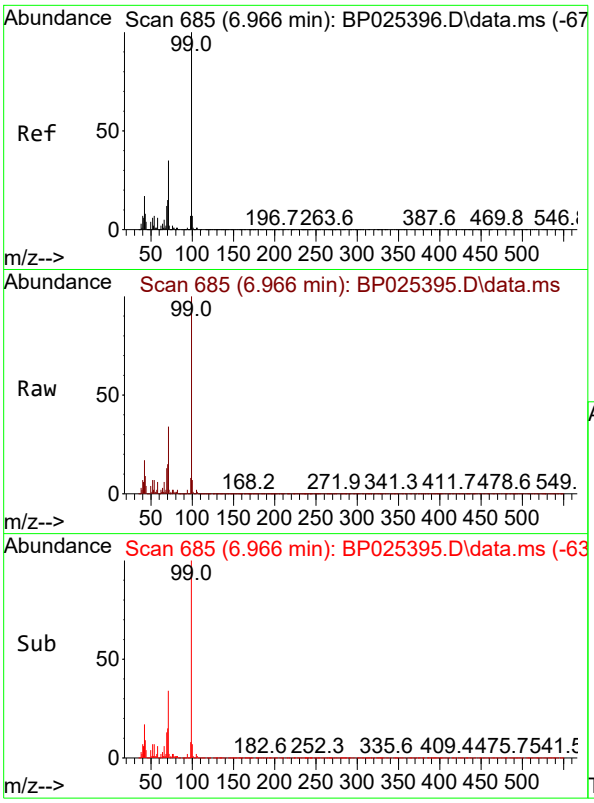


#6
Aniline
Concen: 19.513 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 287645

Ion	Ratio	Lower	Upper
93	100		
66	38.6	30.4	45.6
65	19.4	15.3	22.9

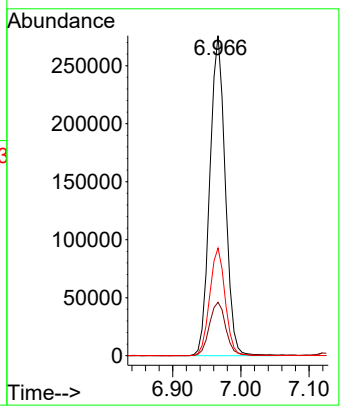




#7
Phenol-d6
Concen: 39.702 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 99 Resp: 43438

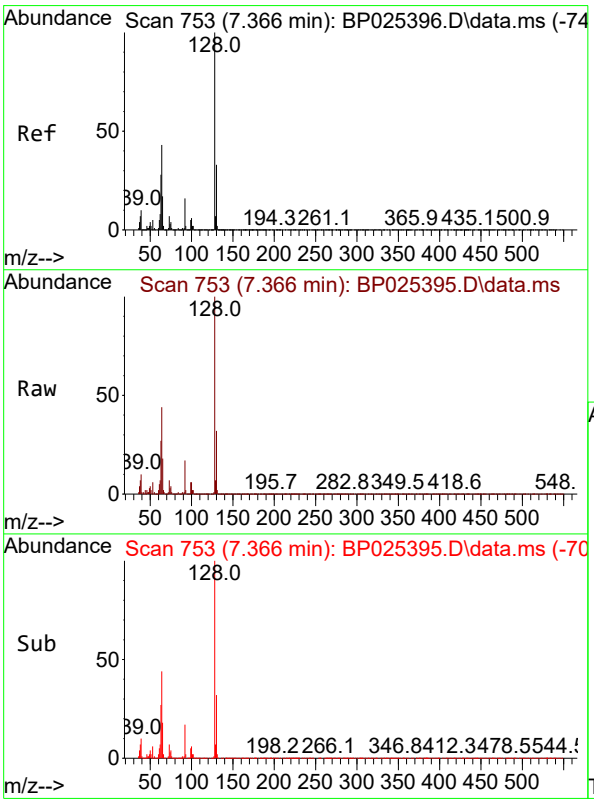
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.7	20.5
71	33.7	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

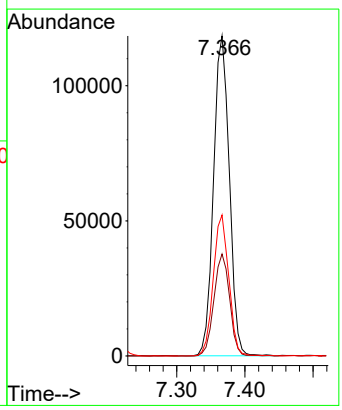
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

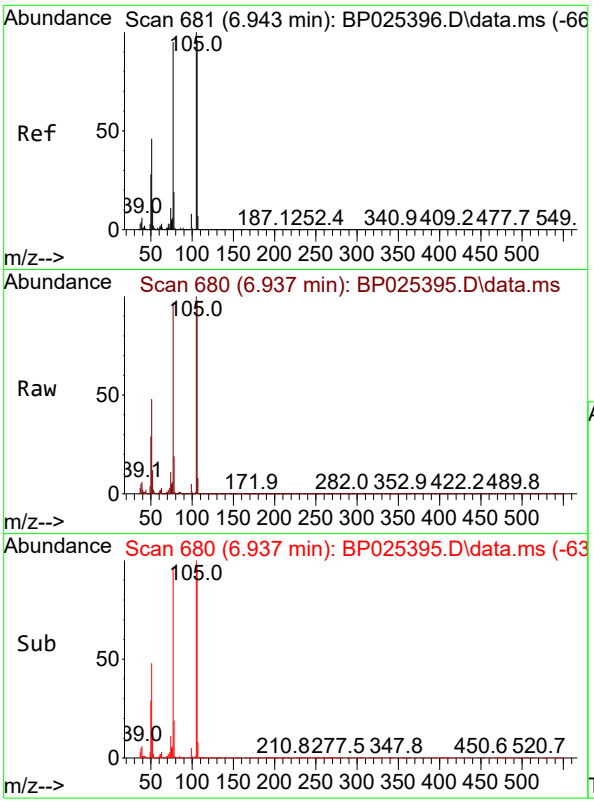


#8
2-Chlorophenol
Concen: 19.819 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:128 Resp: 190858

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.6	52.6
64	44.0	23.4	63.4

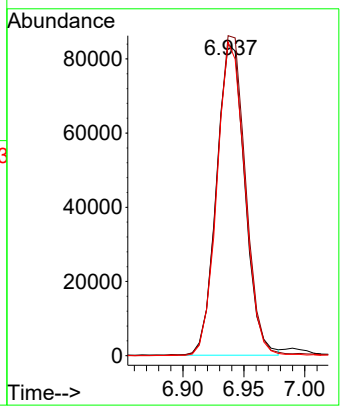




#9
Benzaldehyde
Concen: 17.672 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 77 Resp: 13546

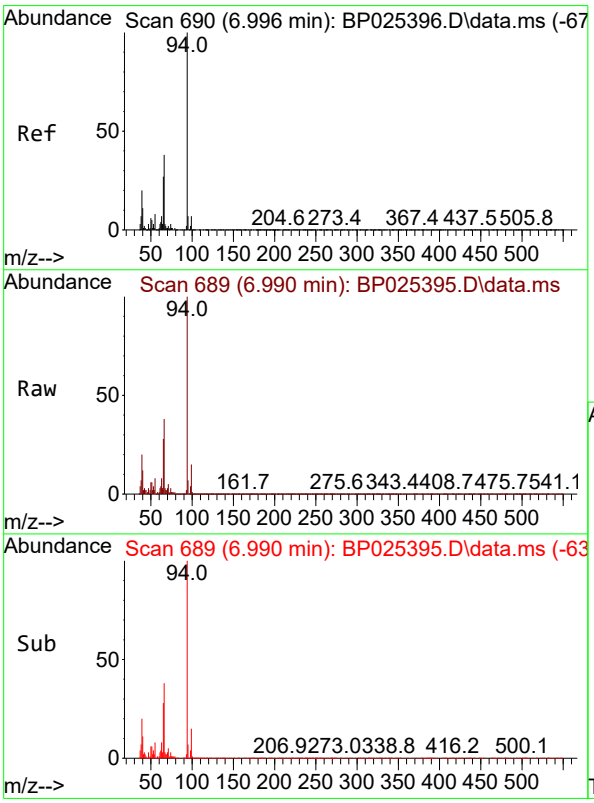
Ion	Ratio	Lower	Upper
77	100		
105	102.7	84.8	124.8
106	100.6	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

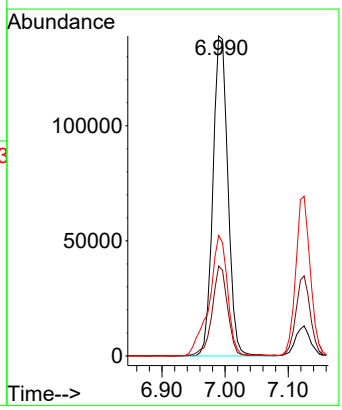
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

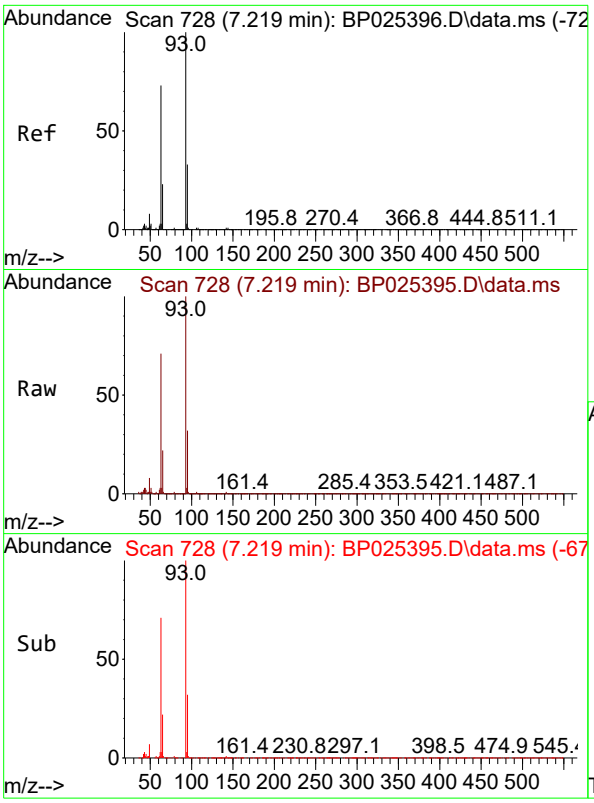


#10
Phenol
Concen: 19.910 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 94 Resp: 228580

Ion	Ratio	Lower	Upper
94	100		
65	28.1	6.8	46.8
66	37.7	18.2	58.2

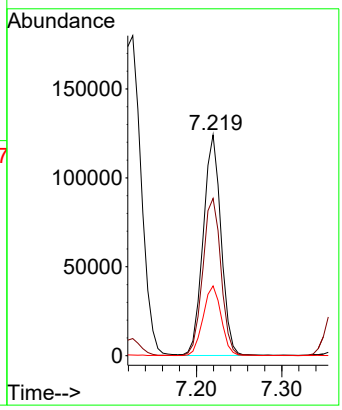




#11
bis(2-Chloroethyl)ether
Concen: 20.159 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 18039

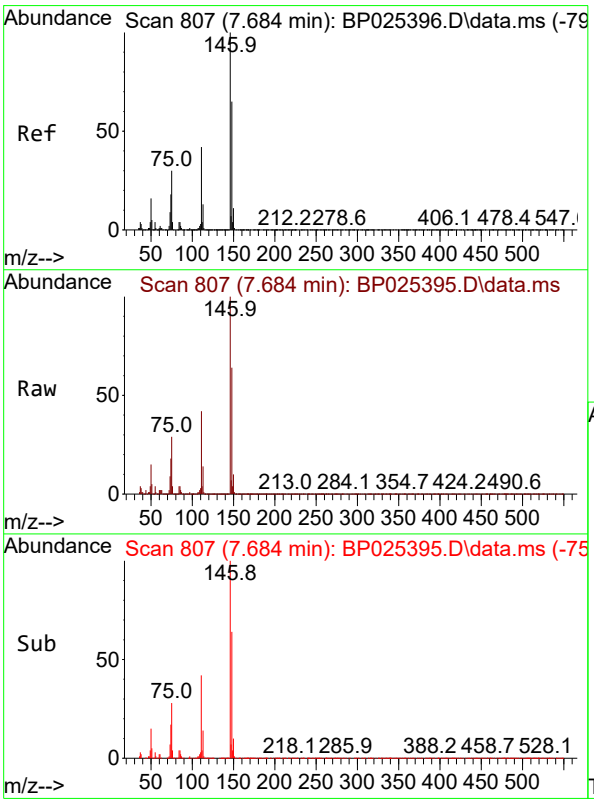
Ion	Ratio	Lower	Upper
93	100		
63	71.2	52.6	92.6
95	31.6	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

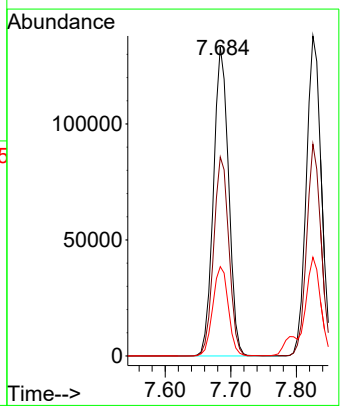
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

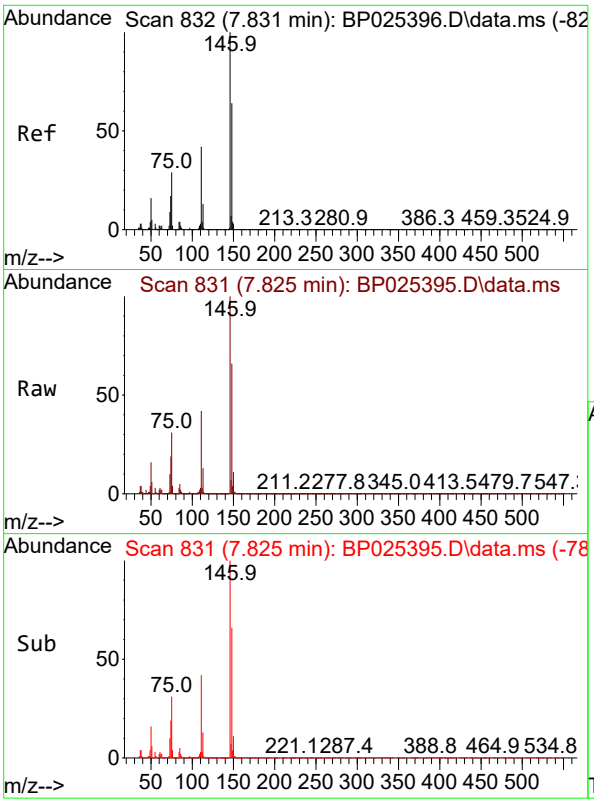


#12
1,3-Dichlorobenzene
Concen: 20.061 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:146 Resp: 213023

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
75	28.9	23.7	35.5

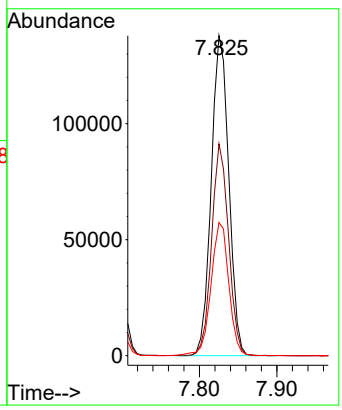




#13
1,4-Dichlorobenzene
Concen: 19.938 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:146 Resp: 21640

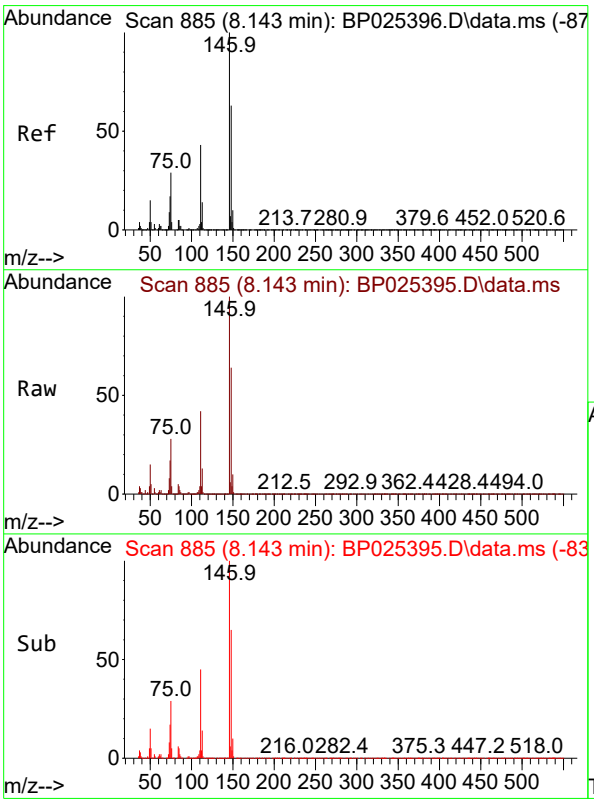
Ion	Ratio	Lower	Upper
146	100		
148	66.2	51.6	77.4
111	41.6	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

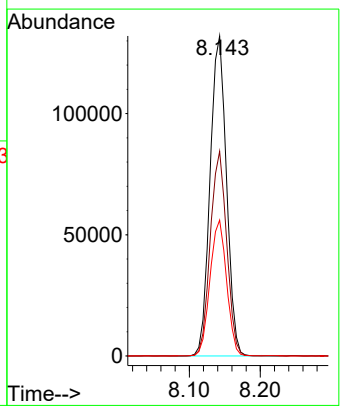
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

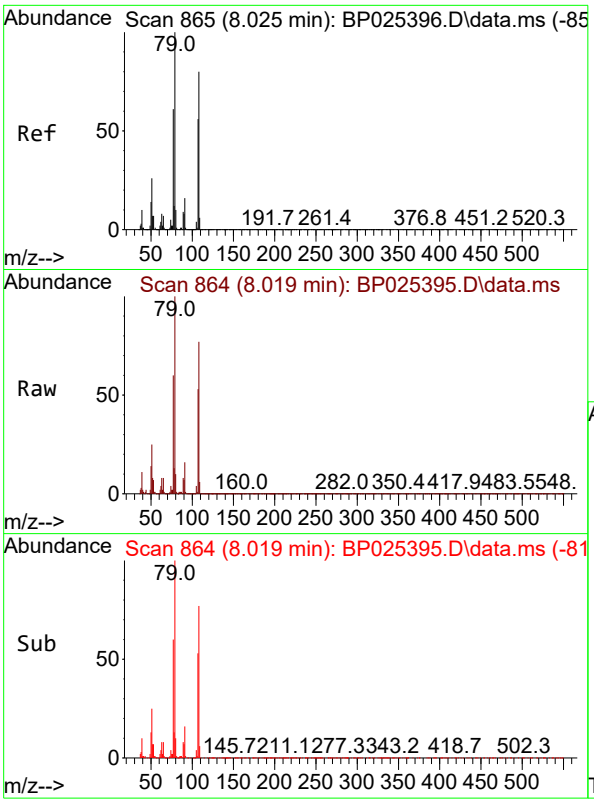


#14
1,2-Dichlorobenzene
Concen: 20.106 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:146 Resp: 211243

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.4	75.6
111	42.4	34.5	51.7





#15
Benzyl Alcohol
Concen: 19.640 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

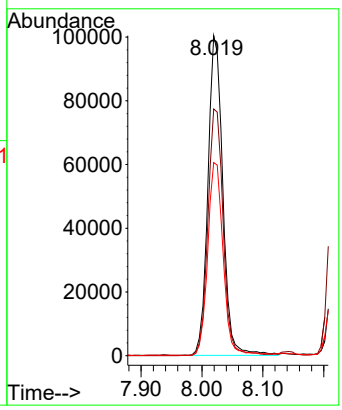
Tgt Ion: 79 Resp: 17073

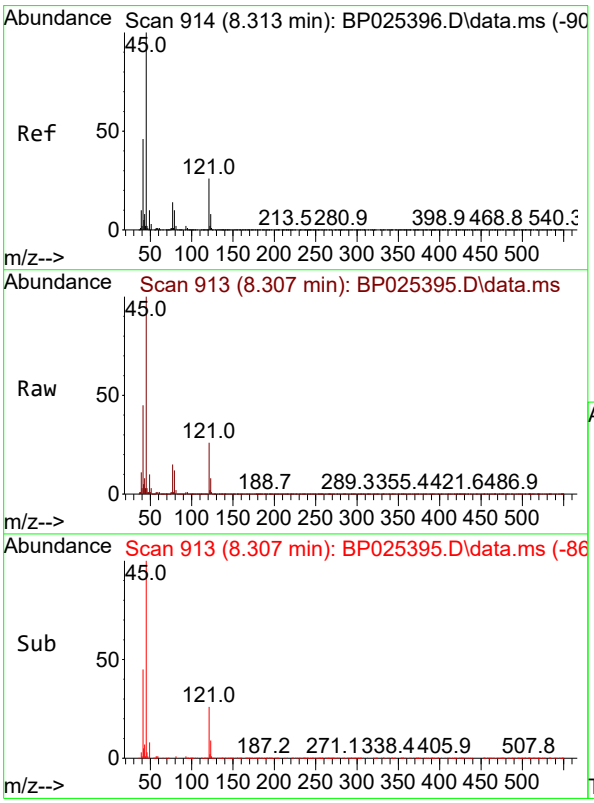
Ion	Ratio	Lower	Upper
79	100		
108	77.1	63.8	95.6
77	60.3	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

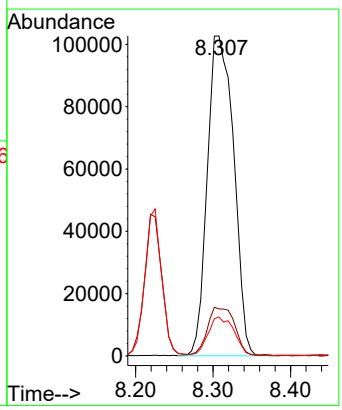


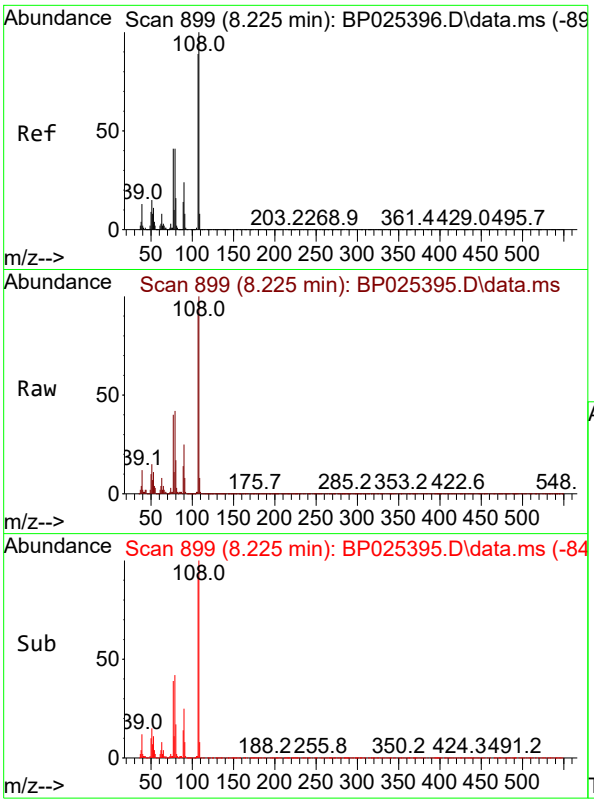


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.240 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 45 Resp: 242616

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	35.3
79	12.2	0.0	31.8

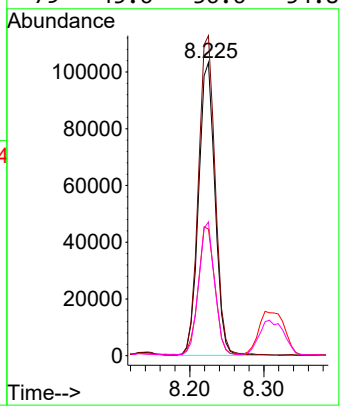




#17
2-Methylphenol
Concen: 19.956 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:107 Resp: 15911

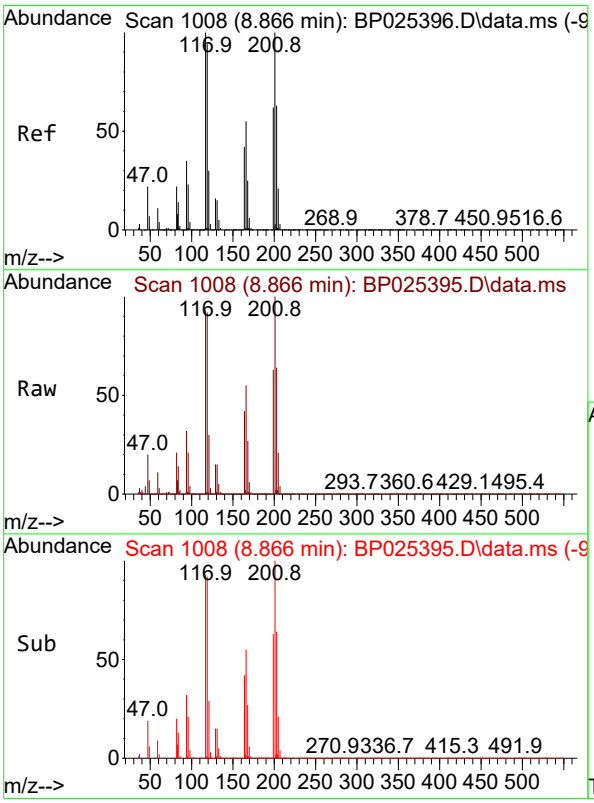
Ion	Ratio	Lower	Upper
107	100		
108	109.2	89.4	134.0
77	43.2	36.3	54.5
79	45.6	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

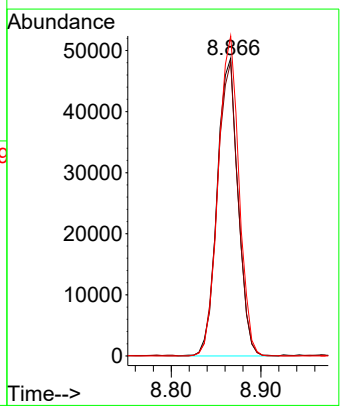
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

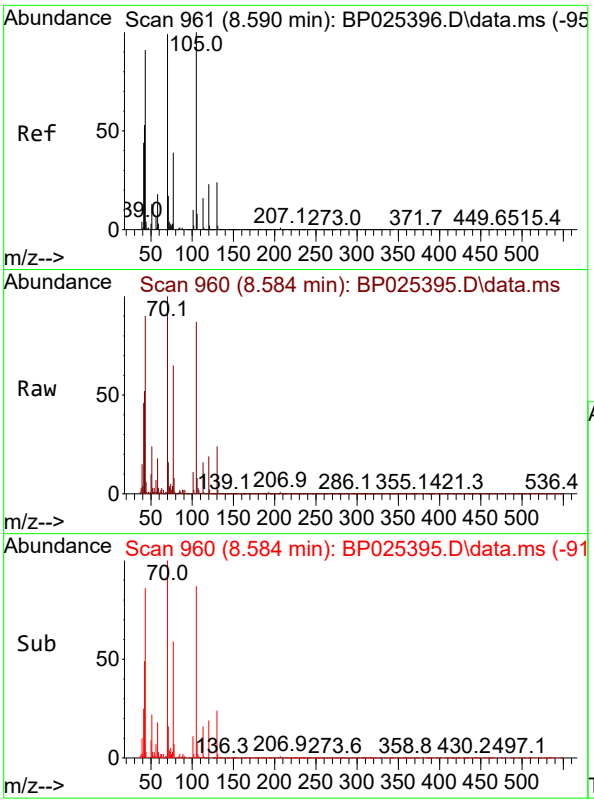


#18
Hexachloroethane
Concen: 19.597 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:117 Resp: 78205

Ion	Ratio	Lower	Upper
117	100		
119	98.8	75.1	112.7
201	107.5	80.1	120.1

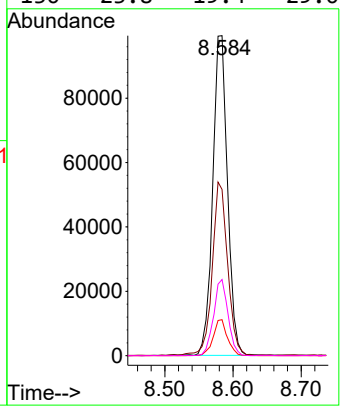




#19
n-Nitroso-di-n-propylamine
Concen: 20.633 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 70 Resp: 14971

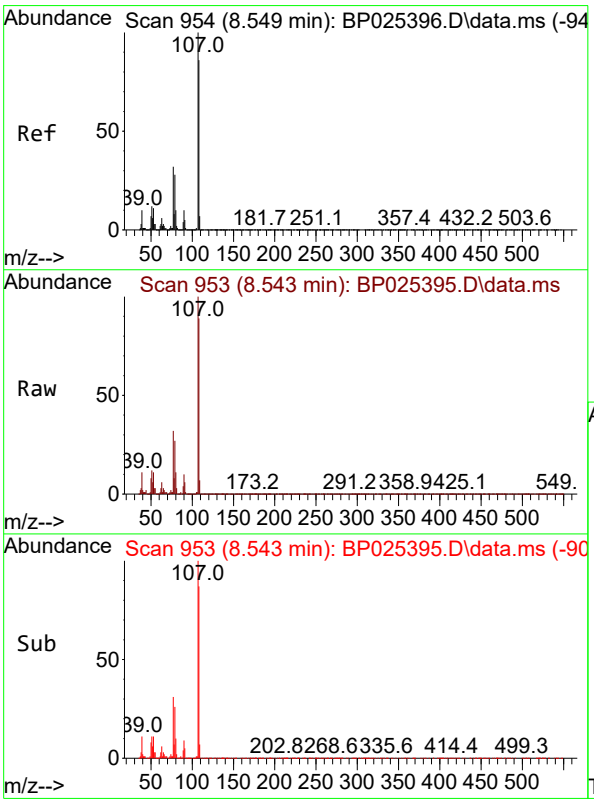
Ion	Ratio	Lower	Upper
70	100		
42	52.0	43.8	65.6
101	11.3	8.5	12.7
130	23.8	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

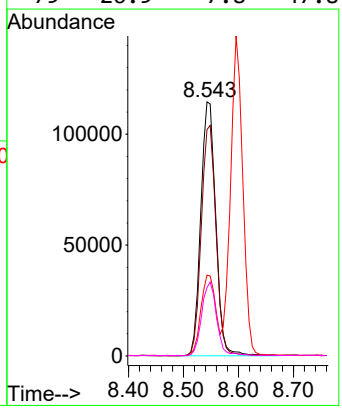
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

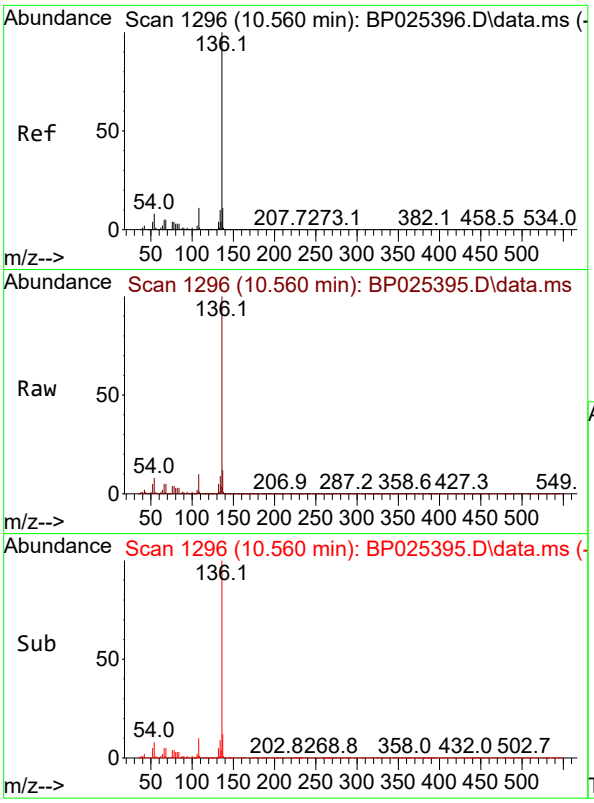


#20
3+4-Methylphenols
Concen: 19.655 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:107 Resp: 217240

Ion	Ratio	Lower	Upper
107	100		
108	89.1	66.3	106.3
77	31.8	12.3	52.3
79	26.9	7.8	47.8

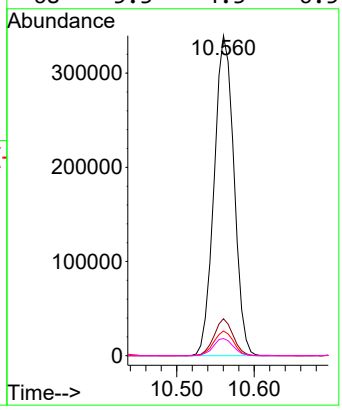




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:136 Resp: 60379

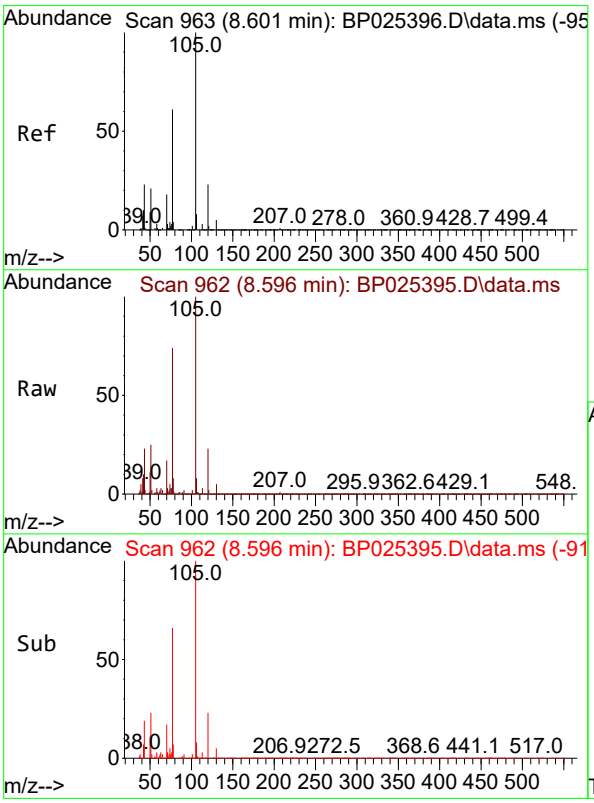
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.7	6.0	9.0
68	5.3	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

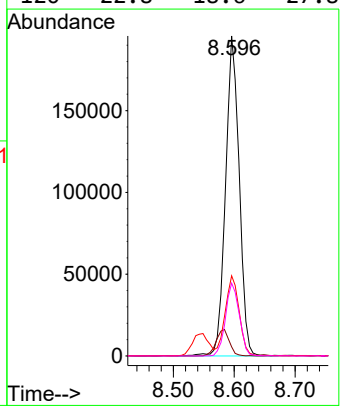
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

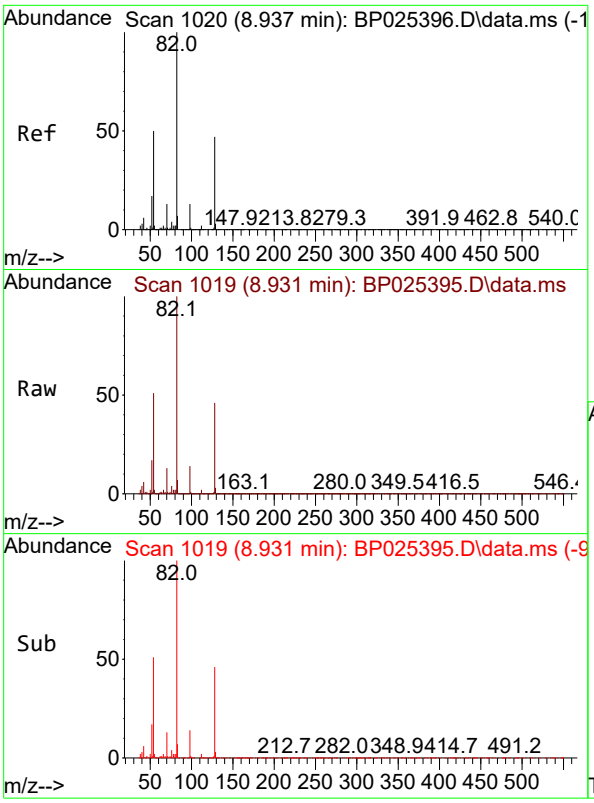


#22
Acetophenone
Concen: 20.196 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:105 Resp: 305812

Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.6	4.0
51	25.0	20.6	30.8
120	22.8	18.6	27.8

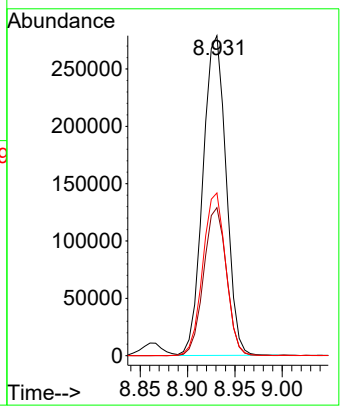




#23
Nitrobenzene-d5
Concen: 39.706 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 82 Resp: 47393

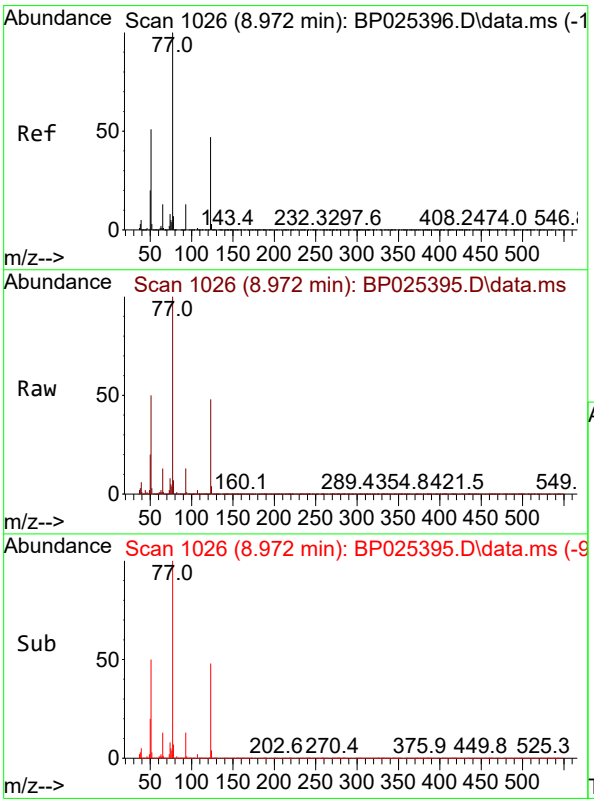
Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.7	56.5
54	50.8	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

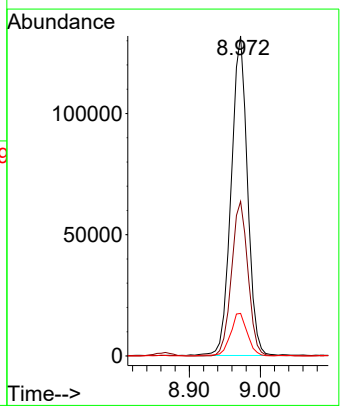
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

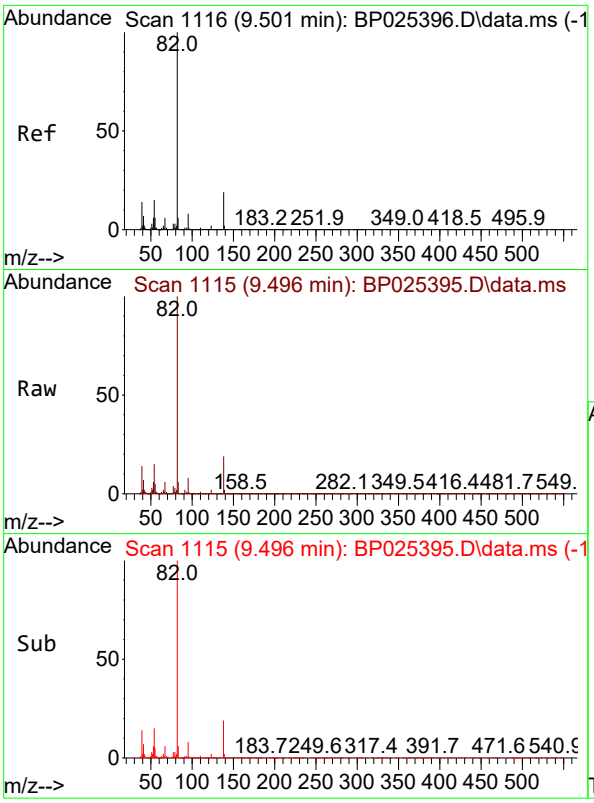


#24
Nitrobenzene
Concen: 19.708 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 77 Resp: 210234

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	58.0
65	13.3	10.6	15.8

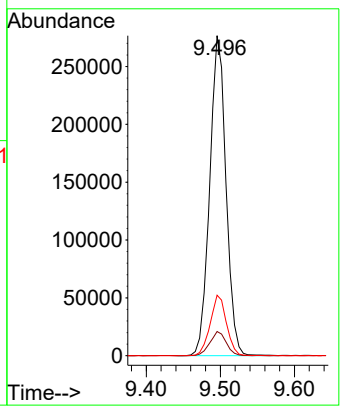




#25
Isophorone
Concen: 19.995 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 82 Resp: 42237

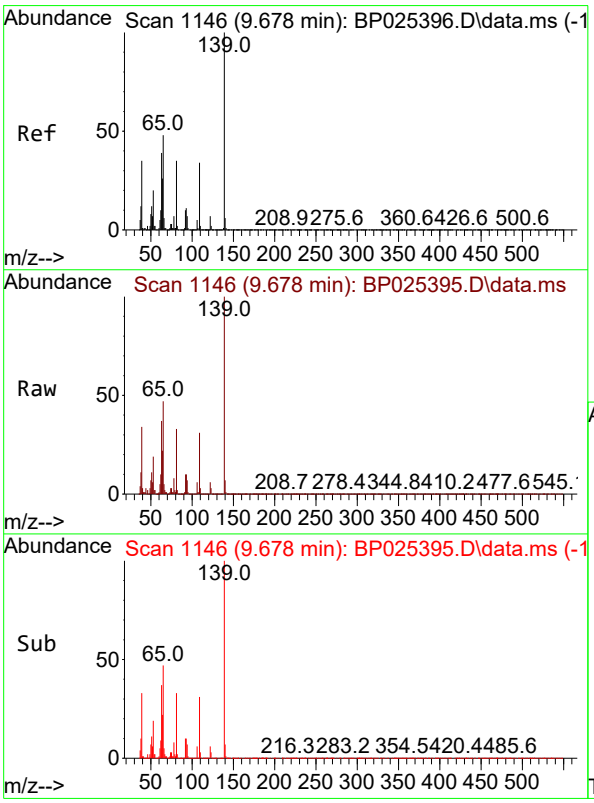
Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	18.9	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

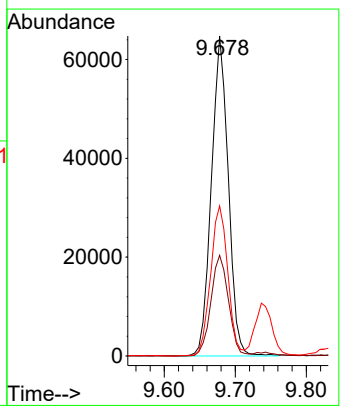
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

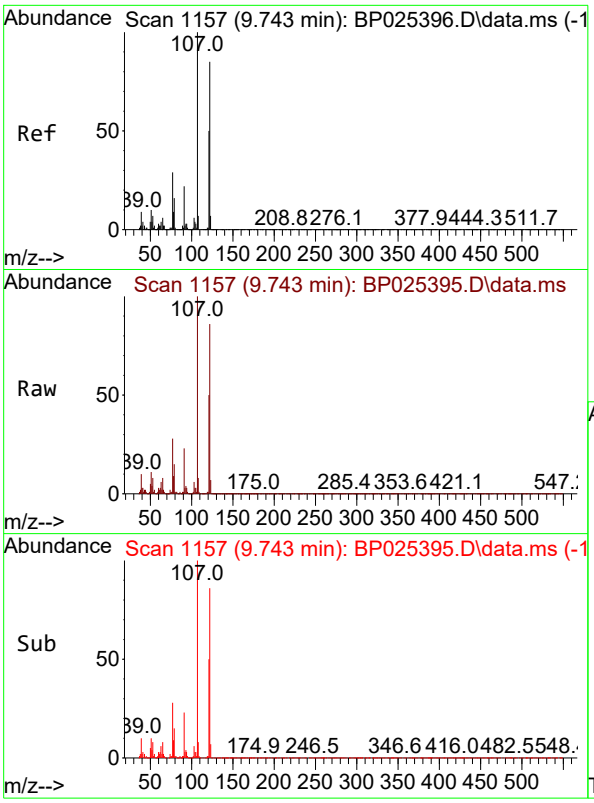


#26
2-Nitrophenol
Concen: 19.509 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:139 Resp: 106805

Ion	Ratio	Lower	Upper
139	100		
109	31.5	26.9	40.3
65	46.9	38.3	57.5

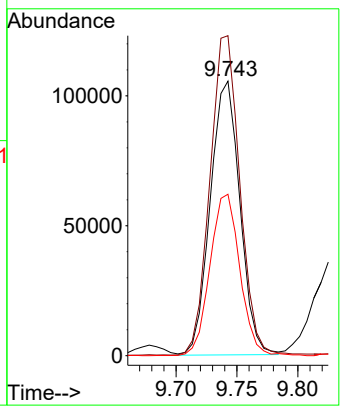




#27
2,4-Dimethylphenol
Concen: 18.963 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:122 Resp: 17853

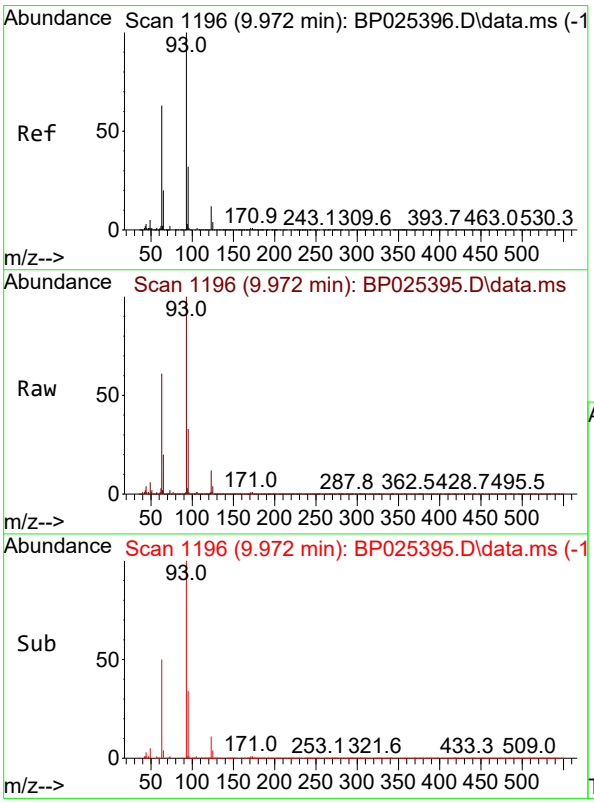
Ion	Ratio	Lower	Upper
122	100		
107	116.5	93.7	140.5
121	58.8	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

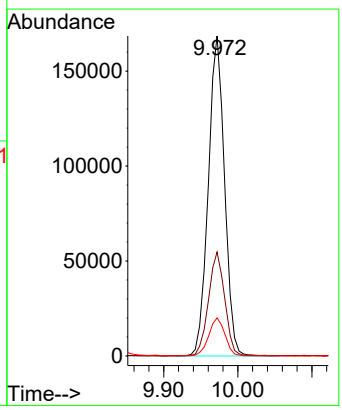
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

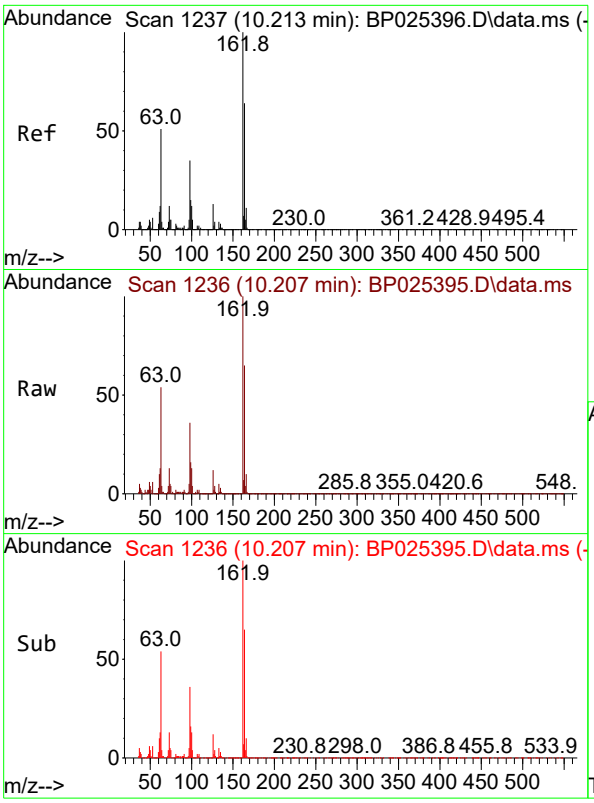


#28
bis(2-Chloroethoxy)methane
Concen: 20.100 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 256656

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.0
123	11.9	9.4	14.0

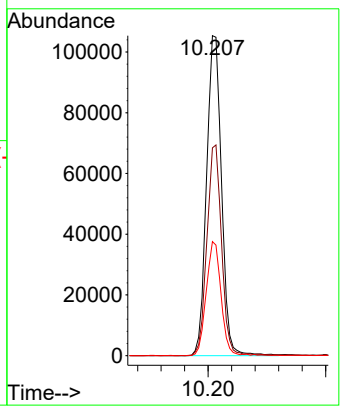




#29
2,4-Dichlorophenol
Concen: 19.896 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:162 Resp: 18607

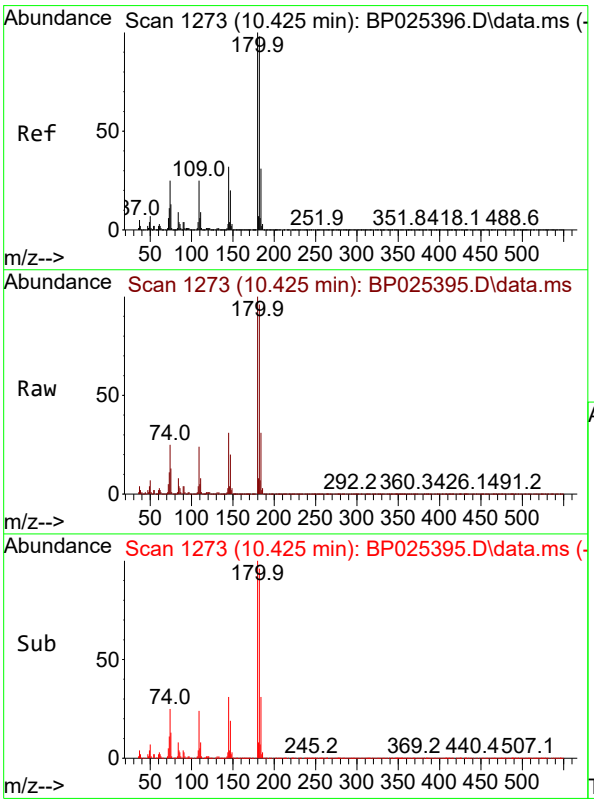
Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.4	84.4
98	35.7	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

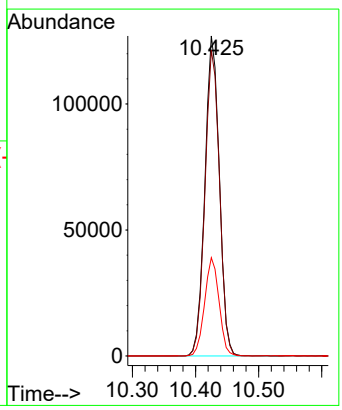
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

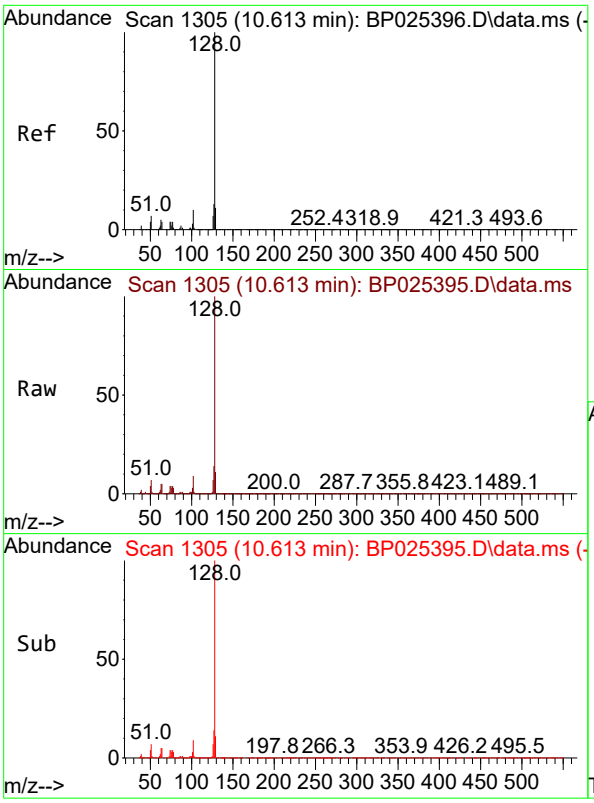


#30
1,2,4-Trichlorobenzene
Concen: 19.702 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:180 Resp: 201995

Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.0	117.0
145	30.7	25.9	38.9





#31
Naphthalene
Concen: 19.944 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

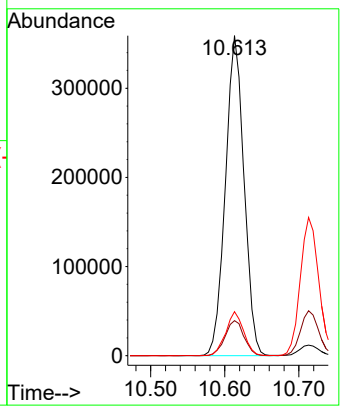
Tgt Ion:128 Resp: 625899

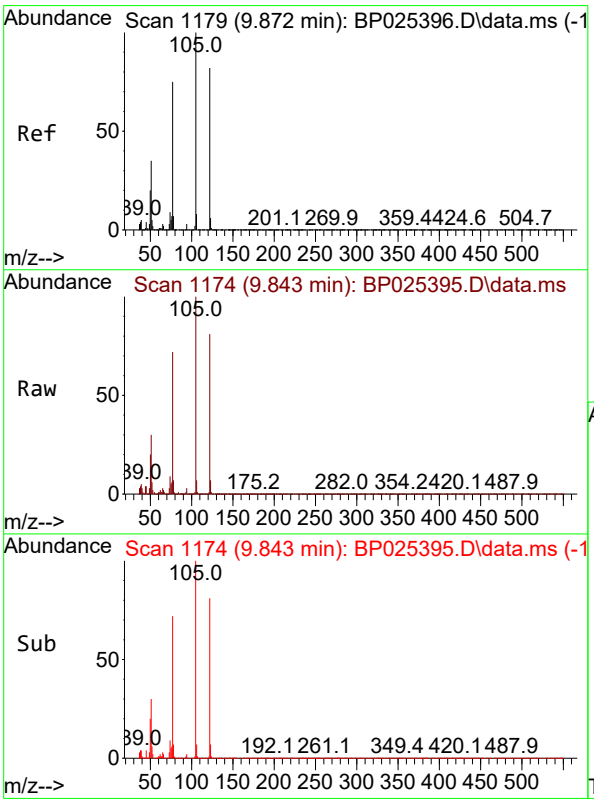
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.7	10.7	16.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

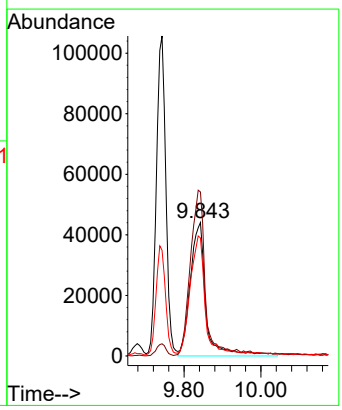


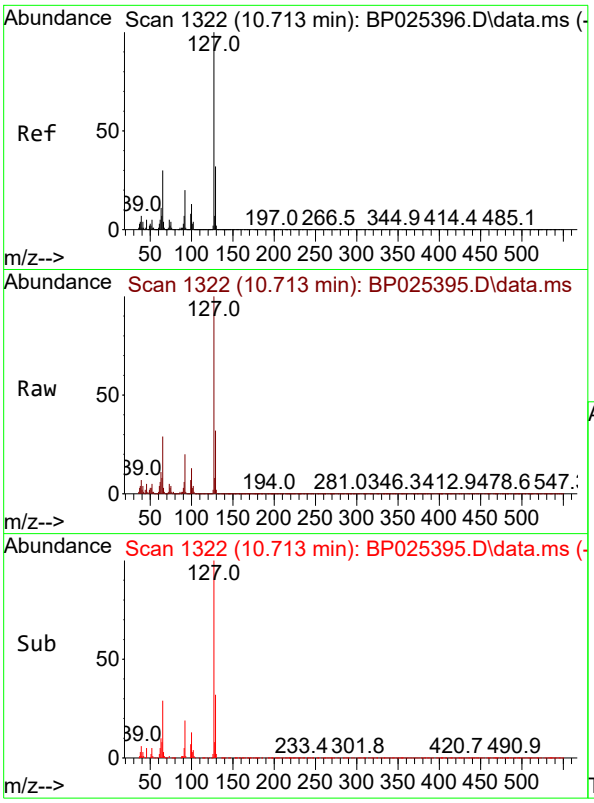


#32
Benzoic acid
Concen: 18.004 ng m
RT: 9.843 min Scan# 1174
Delta R.T. -0.029 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:122 Resp: 124836

Ion	Ratio	Lower	Upper
122	100		
105	122.9	100.6	140.6
77	88.5	71.5	111.5

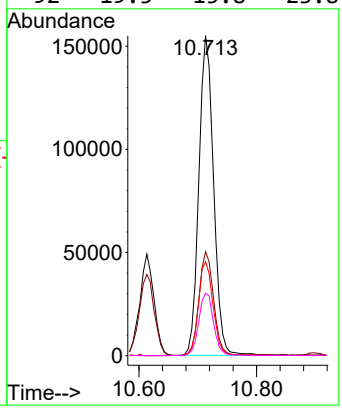




#33
4-Chloroaniline
Concen: 19.489 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:127 Resp: 27015

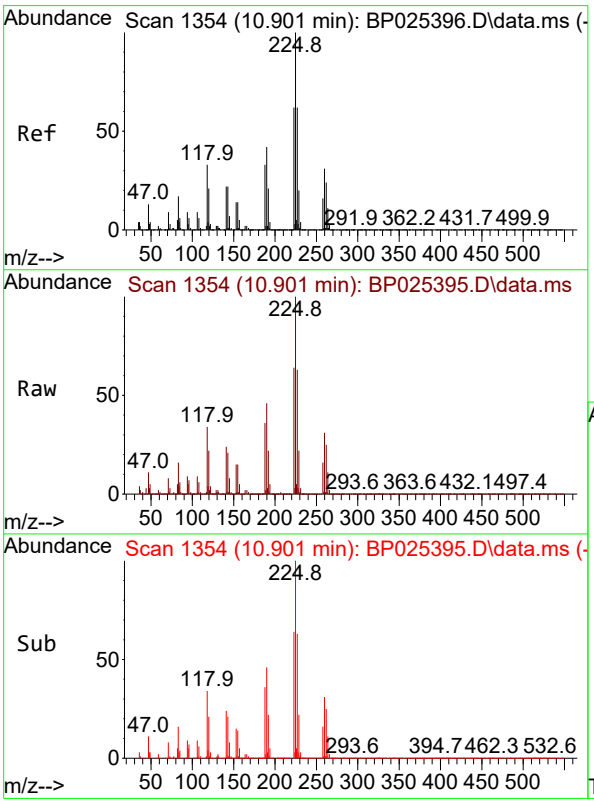
Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	29.4	23.8	35.6
92	19.5	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

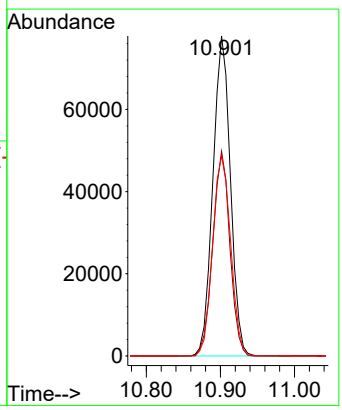
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

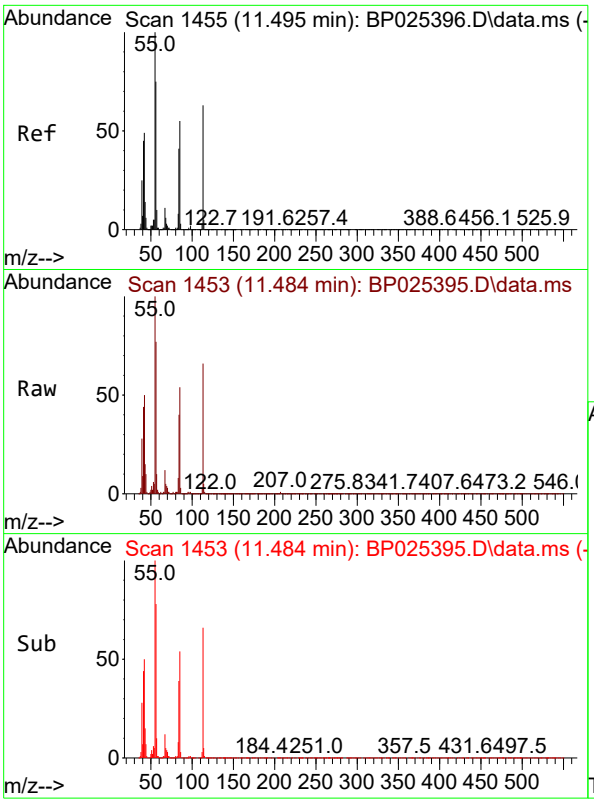


#34
Hexachlorobutadiene
Concen: 19.983 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:225 Resp: 127593

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	62.5	49.7	74.5

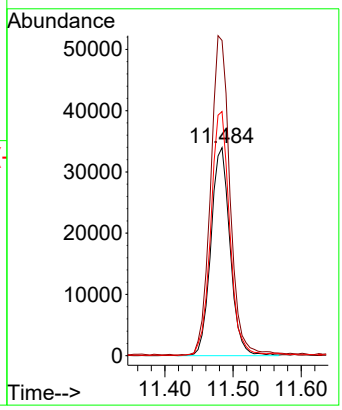




#35
Caprolactam
Concen: 19.294 ng
RT: 11.484 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:113 Resp: 6616

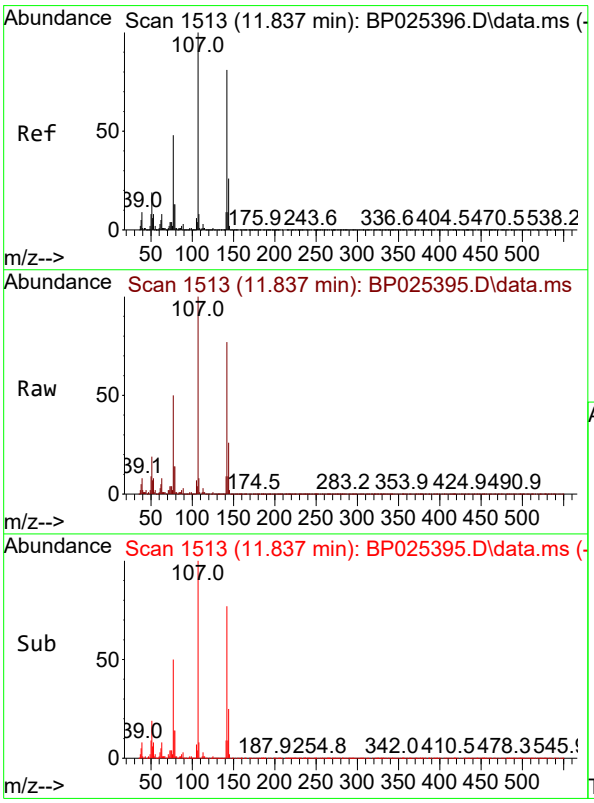
Ion	Ratio	Lower	Upper
113	100		
55	151.5	140.0	180.0
56	117.4	100.0	140.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

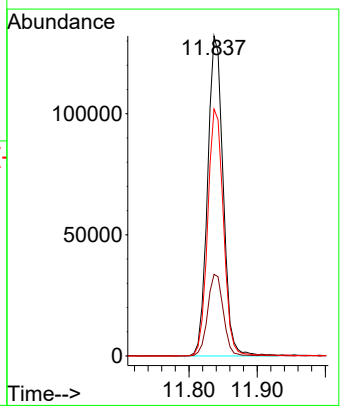
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

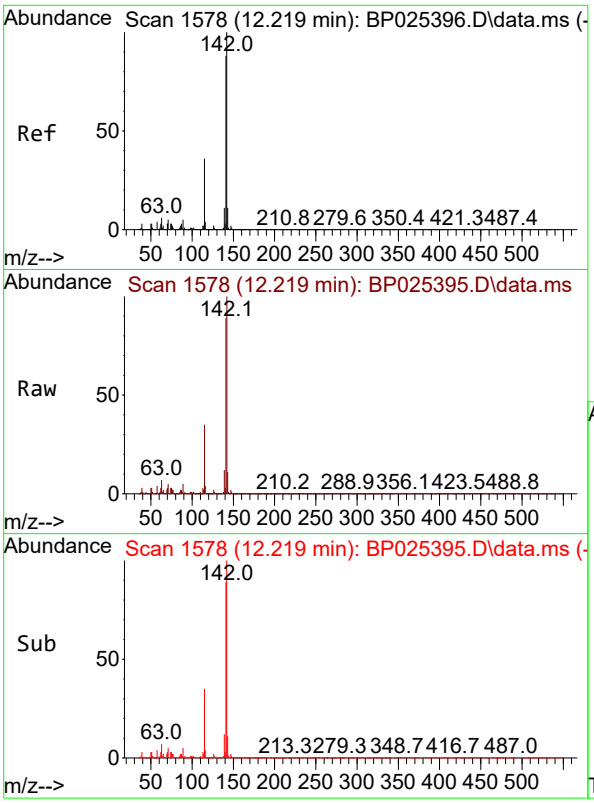


#36
4-Chloro-3-methylphenol
Concen: 19.551 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:107 Resp: 209817

Ion	Ratio	Lower	Upper
107	100		
144	25.5	21.0	31.4
142	77.1	64.6	97.0

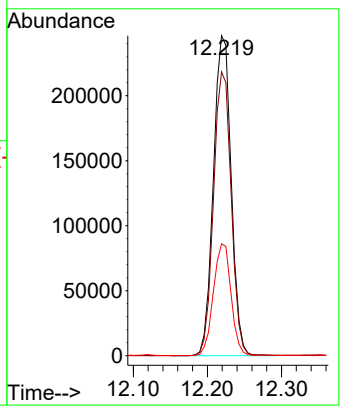




#37
2-Methylnaphthalene
Concen: 20.057 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:142 Resp: 40961

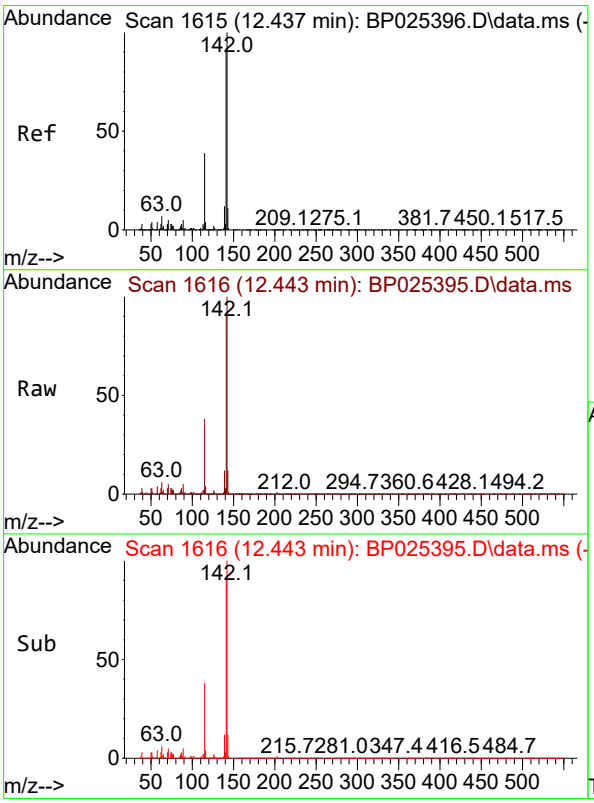
Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.3	105.5
115	35.0	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

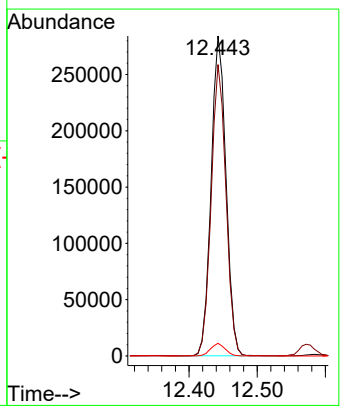
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

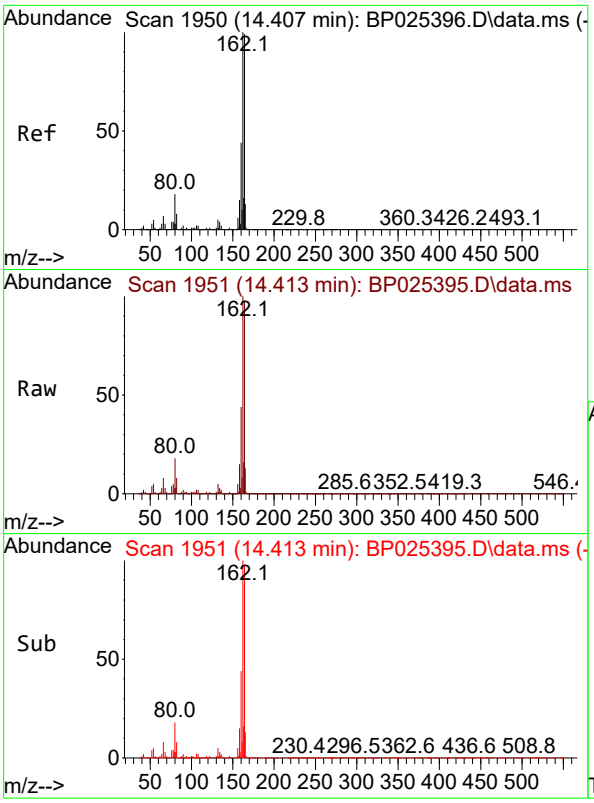


#38
1-Methylnaphthalene
Concen: 19.829 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:142 Resp: 430666

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.1	109.7
116	3.9	3.2	4.8

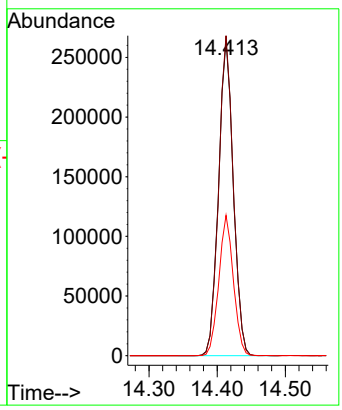




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:164 Resp: 39903

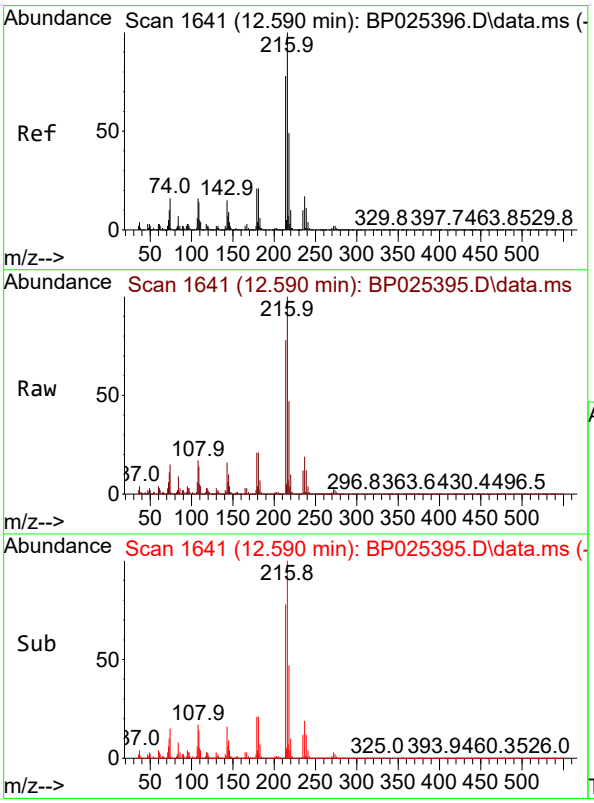
Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.0	121.6
160	44.6	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

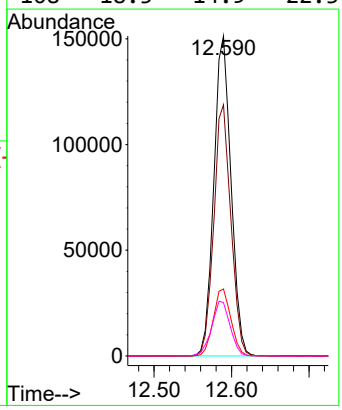
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

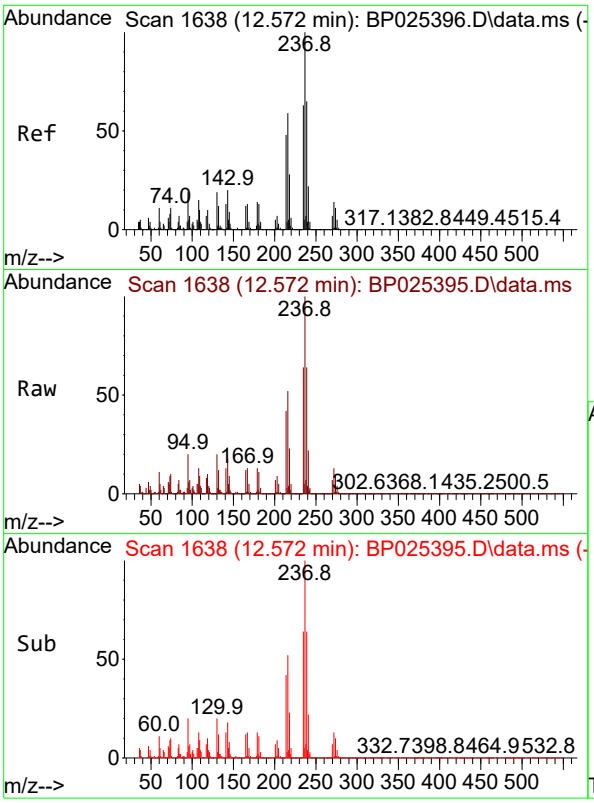


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.263 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:216 Resp: 233523

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.4
179	21.6	17.1	25.7
108	18.5	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 17.922 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

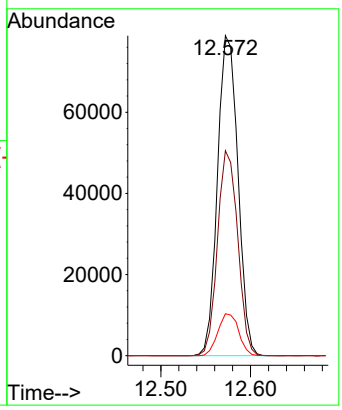
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

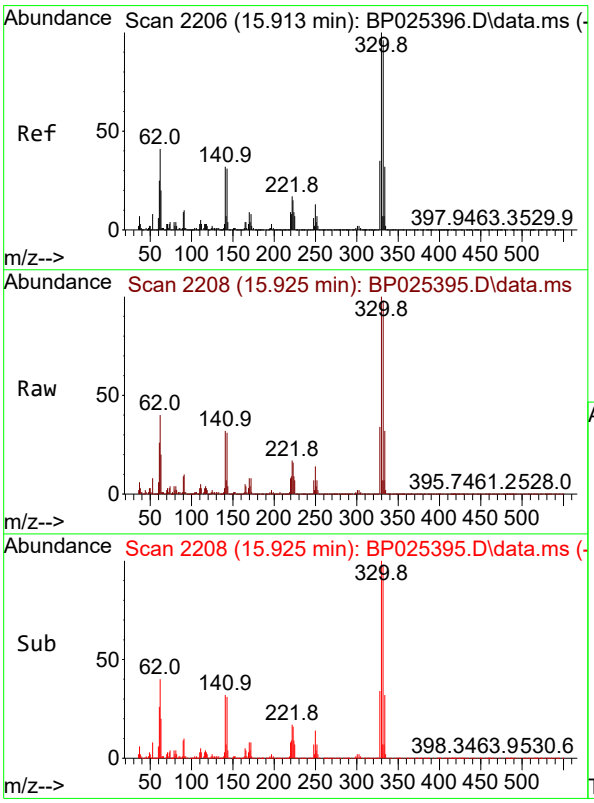
Tgt Ion:237 Resp: 12475

Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.7	82.7
272	13.1	0.0	34.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

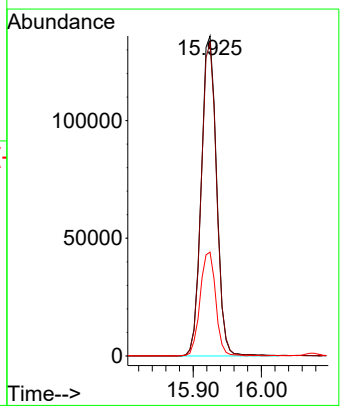


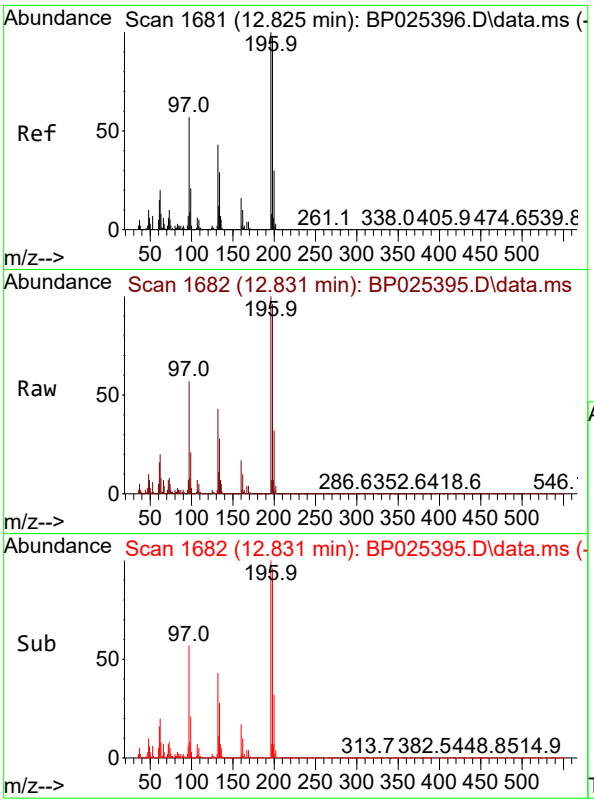


#42
2,4,6-Tribromophenol
Concen: 39.651 ng
RT: 15.925 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:330 Resp: 212968

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.3	115.9
141	32.8	26.6	39.8

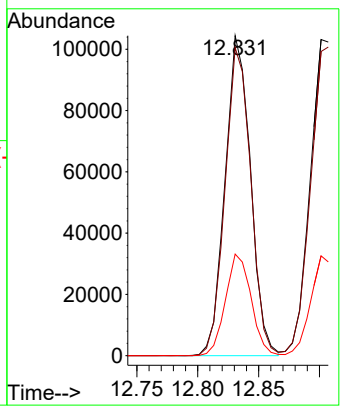




#43
2,4,6-Trichlorophenol
Concen: 19.540 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:196 Resp: 15203

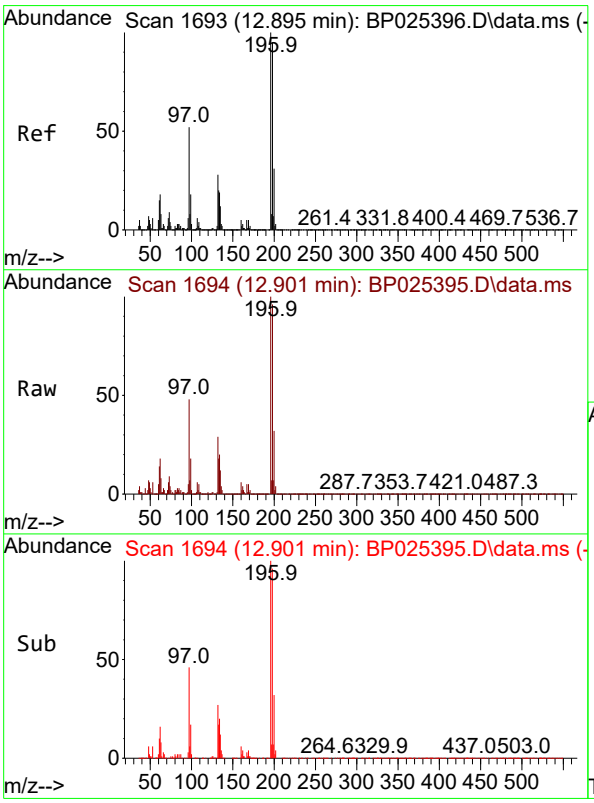
Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.2	115.8
200	31.8	23.9	35.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

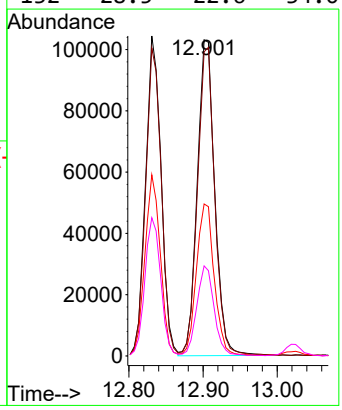
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

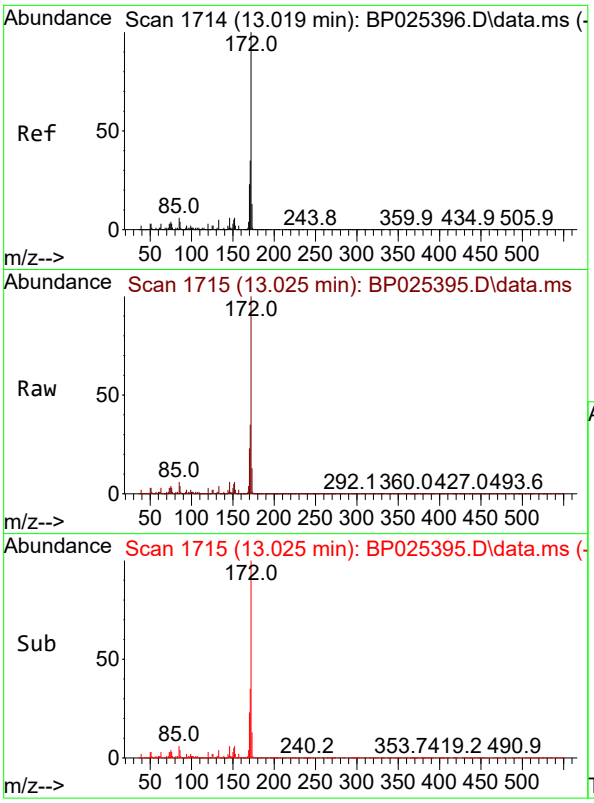


#44
2,4,5-Trichlorophenol
Concen: 19.842 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:196 Resp: 169197

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.2	114.2
97	48.1	41.2	61.8
132	28.5	22.6	34.0

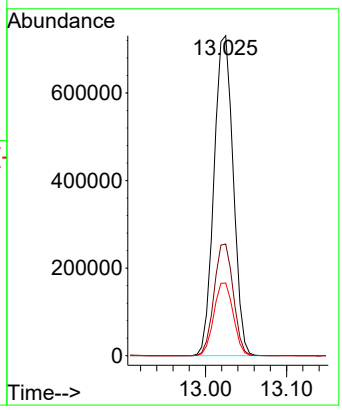




#45
2-Fluorobiphenyl
Concen: 41.205 ng
RT: 13.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:172 Resp: 120306

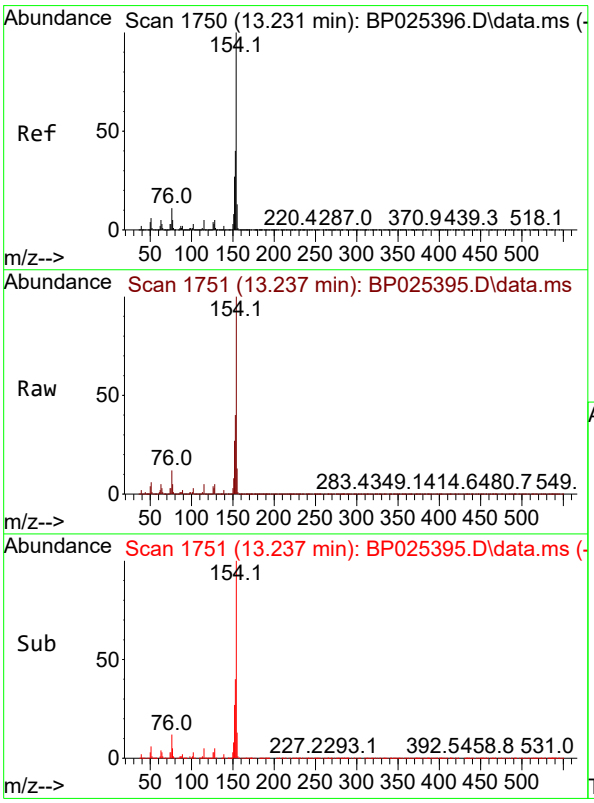
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	22.7	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

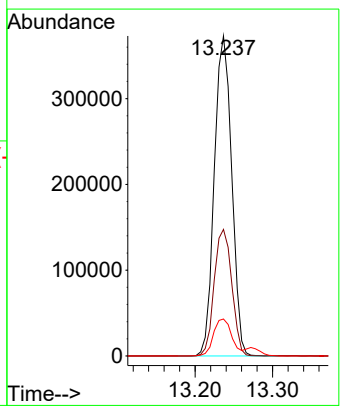
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

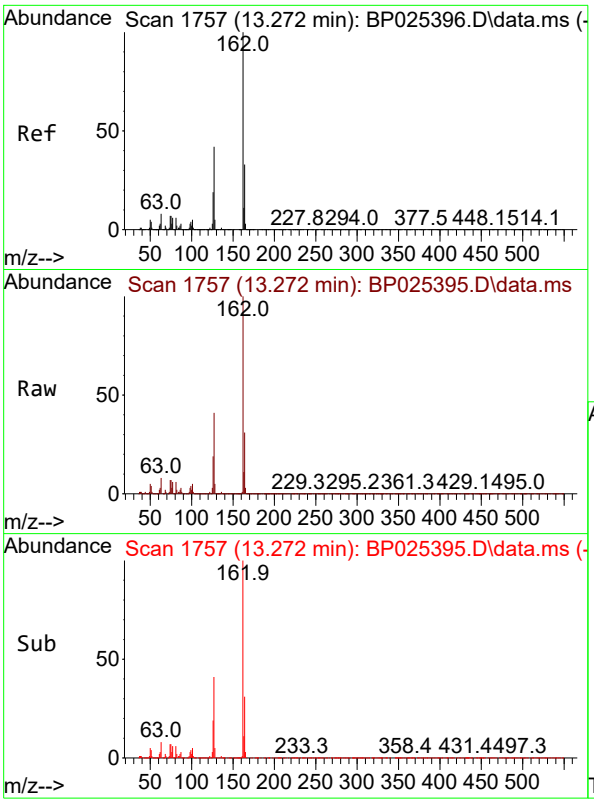


#46
1,1'-Biphenyl
Concen: 20.064 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:154 Resp: 581464

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.5	59.5
76	11.5	0.0	31.1

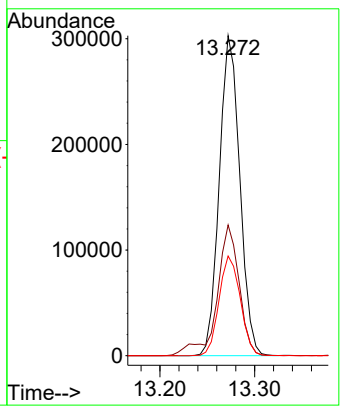




#47
2-Chloronaphthalene
Concen: 20.237 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:162 Resp: 45655

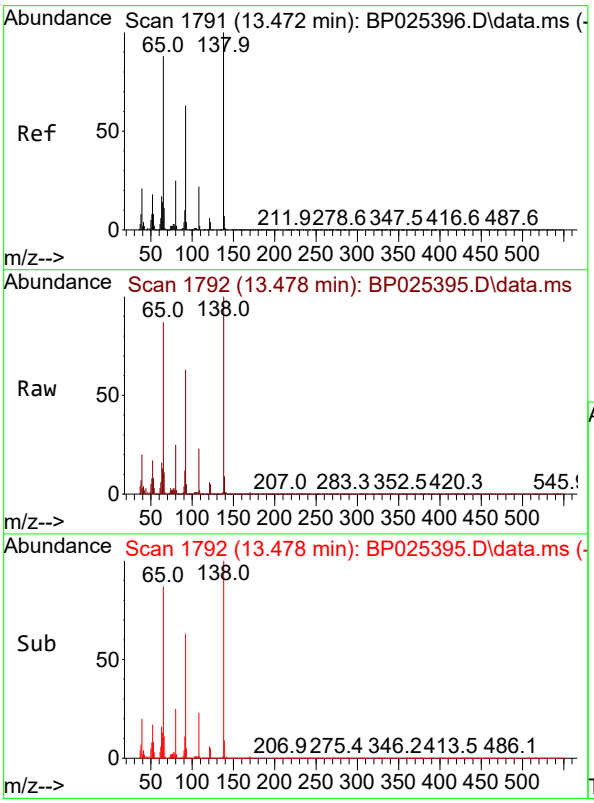
Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.4	50.2
164	31.2	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

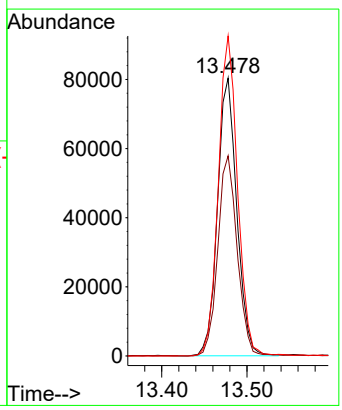
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

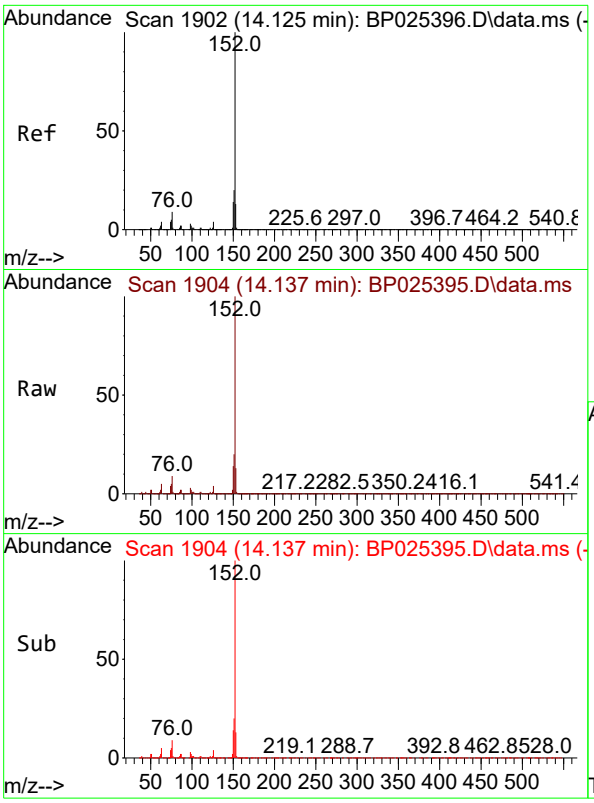


#48
2-Nitroaniline
Concen: 19.233 ng
RT: 13.478 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 65 Resp: 126433

Ion	Ratio	Lower	Upper
65	100		
92	72.0	57.6	86.4
138	115.1	91.0	136.6

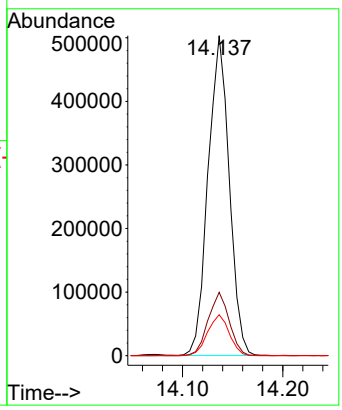




#49
Acenaphthylene
Concen: 19.756 ng
RT: 14.137 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:152 Resp: 73752

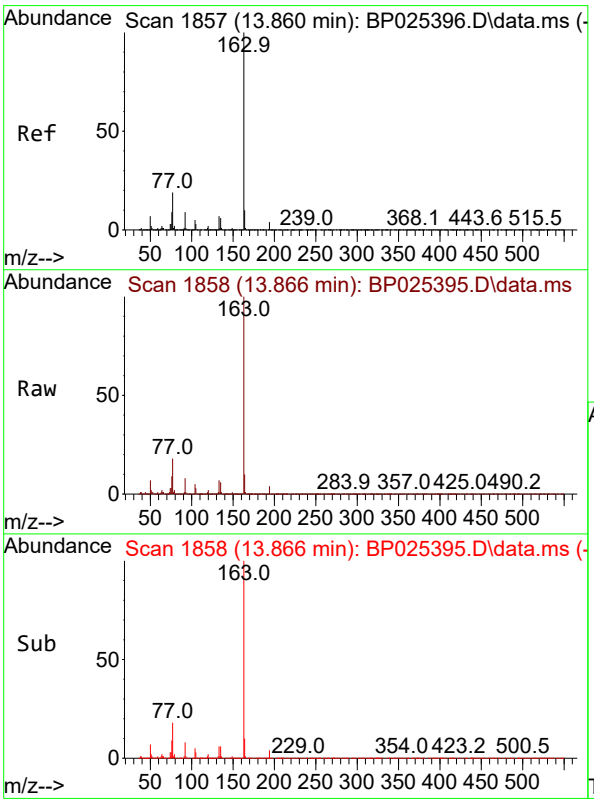
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	12.8	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

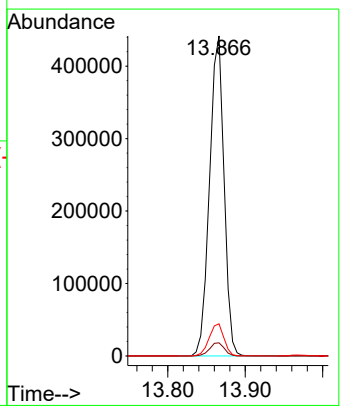
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

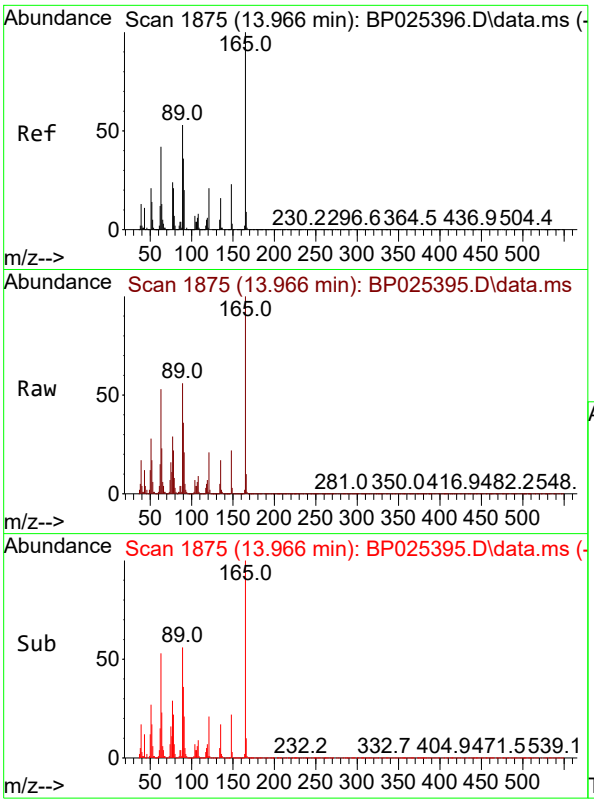


#50
Dimethylphthalate
Concen: 19.632 ng
RT: 13.866 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:163 Resp: 573661

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 19.597 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

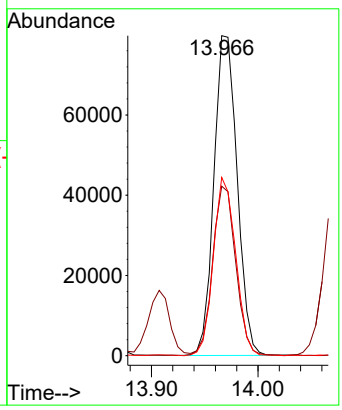
Tgt Ion:165 Resp: 12069

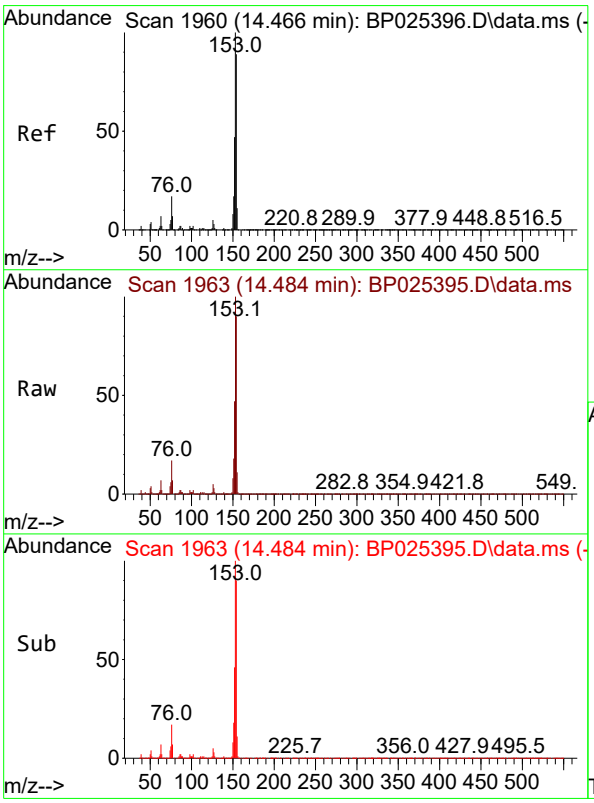
Ion	Ratio	Lower	Upper
165	100		
63	52.9	40.9	61.3
89	55.7	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

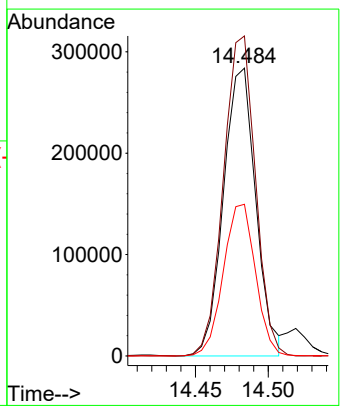


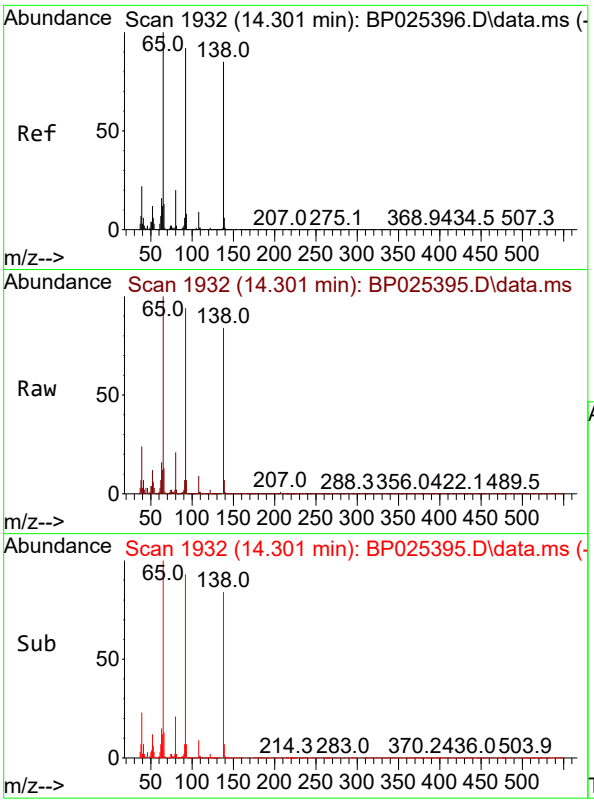


#52
Acenaphthene
Concen: 20.027 ng m
RT: 14.484 min Scan# 1963
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:154 Resp: 438852

Ion	Ratio	Lower	Upper
154	100		
153	111.2	90.2	135.2
152	52.7	42.1	63.1





#53
3-Nitroaniline
Concen: 19.410 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

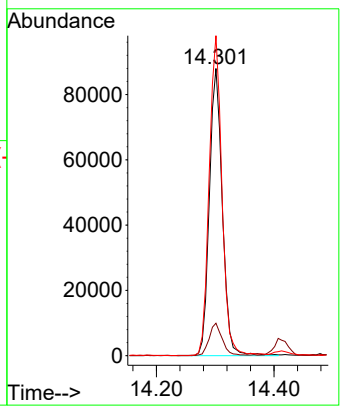
Tgt Ion:138 Resp: 13450

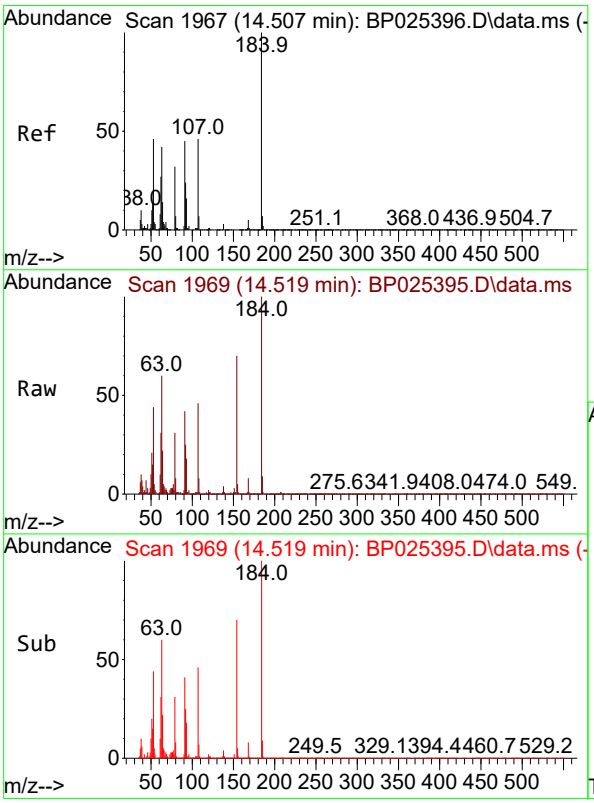
Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.3	12.5
92	111.4	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

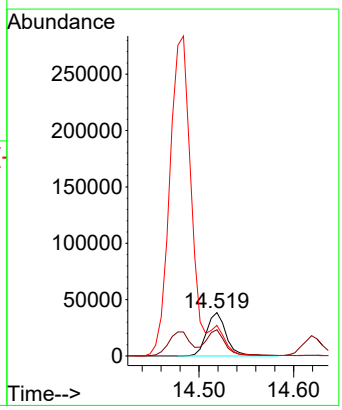


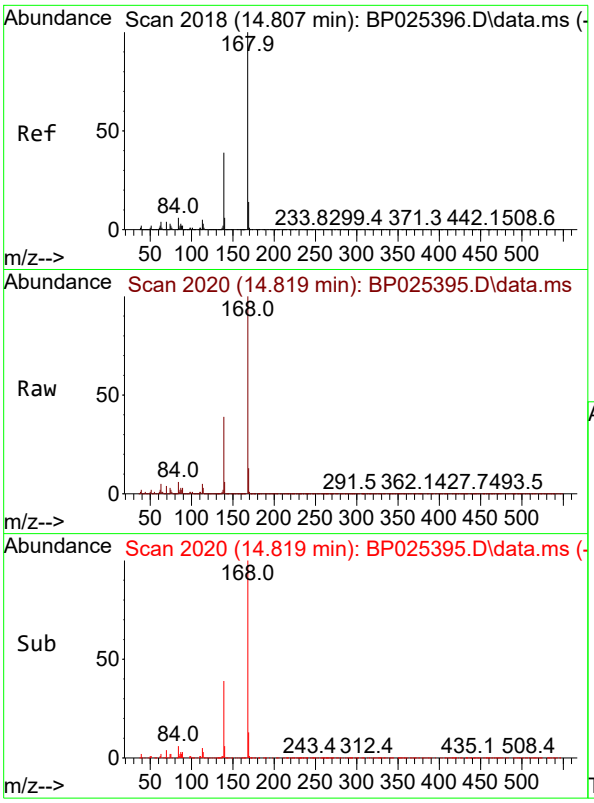


#54
2,4-Dinitrophenol
Concen: 16.939 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:184 Resp: 55713

Ion	Ratio	Lower	Upper
184	100		
63	60.4	49.4	74.2
154	70.4	54.6	82.0

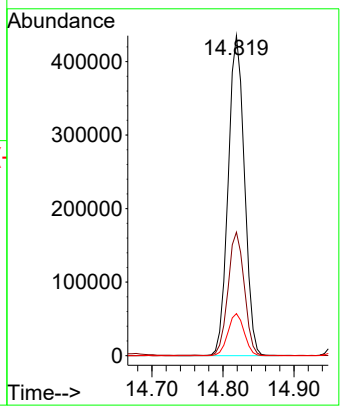




#55
Dibenzofuran
Concen: 20.002 ng
RT: 14.819 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:168 Resp: 69296

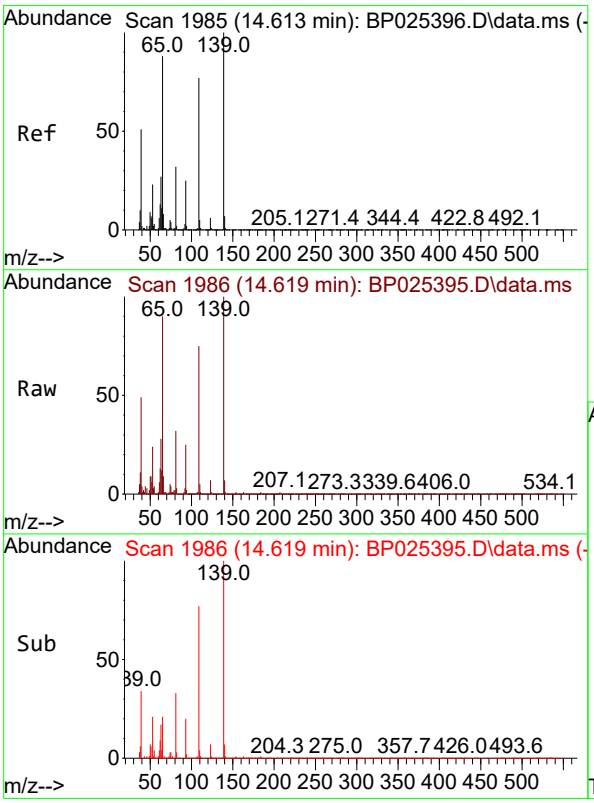
Ion	Ratio	Lower	Upper
168	100		
139	38.6	31.5	47.3
169	13.1	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

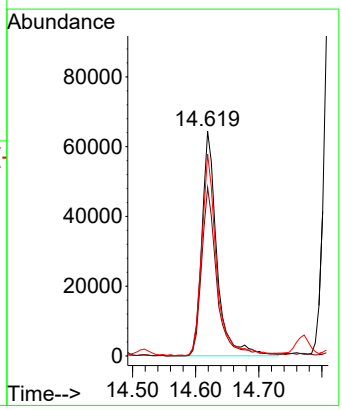
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

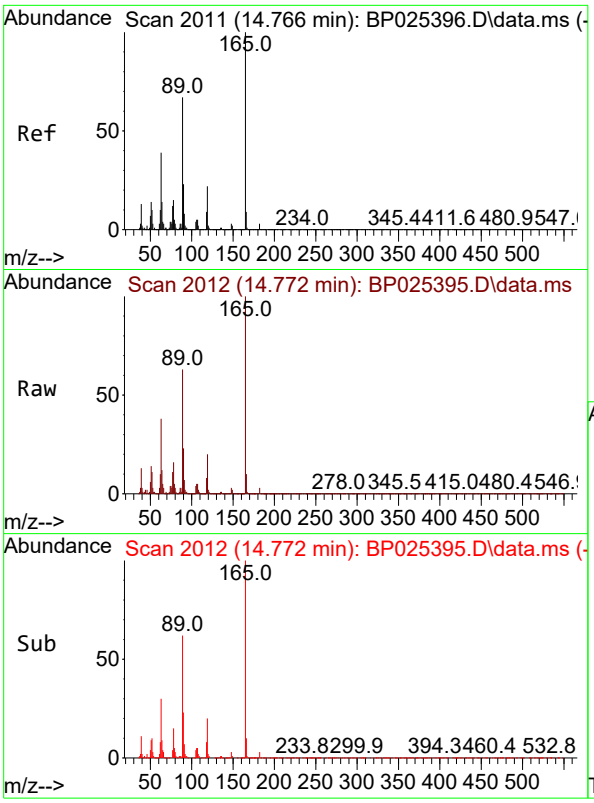


#56
4-Nitrophenol
Concen: 18.578 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:139 Resp: 105787

Ion	Ratio	Lower	Upper
139	100		
109	75.0	56.6	96.6
65	89.8	68.2	108.2

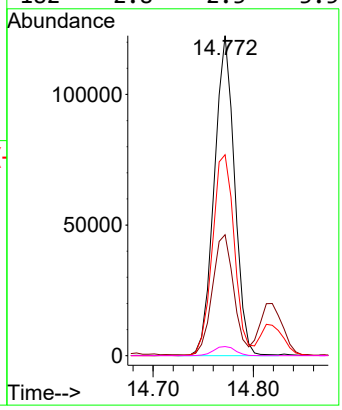




#57
2,4-Dinitrotoluene
Concen: 19.576 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:165 Resp: 17202

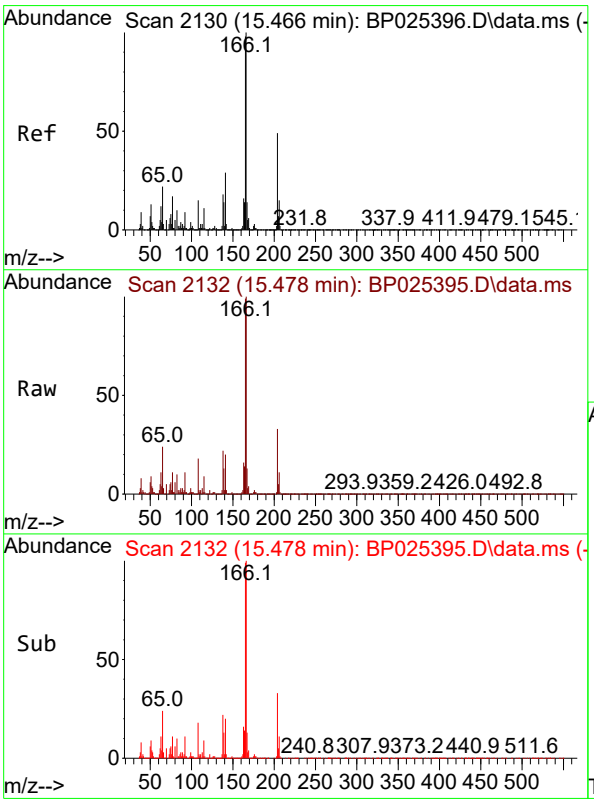
Ion	Ratio	Lower	Upper
165	100		
63	37.8	31.4	47.2
89	62.8	53.3	79.9
182	2.8	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

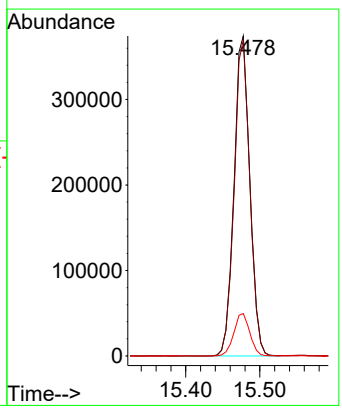
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

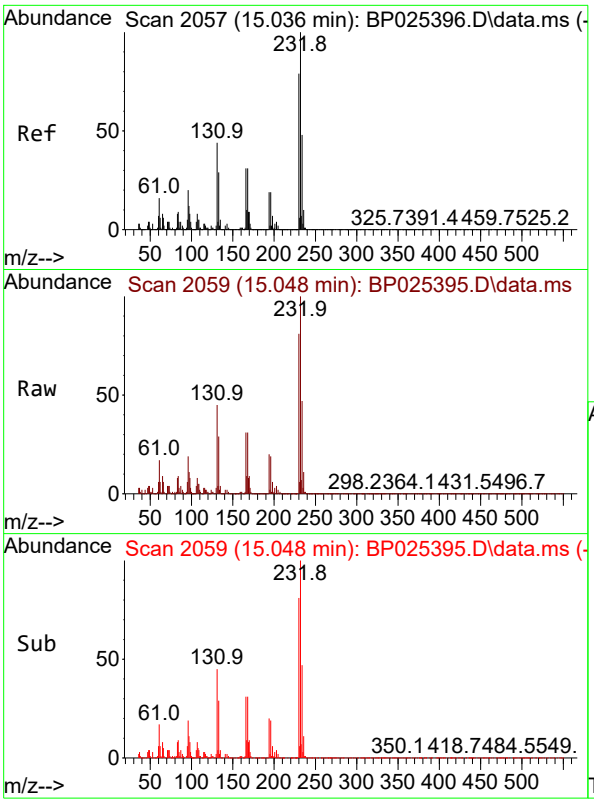


#58
Fluorene
Concen: 20.289 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:166 Resp: 554647

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.8	118.2
167	13.3	11.0	16.4

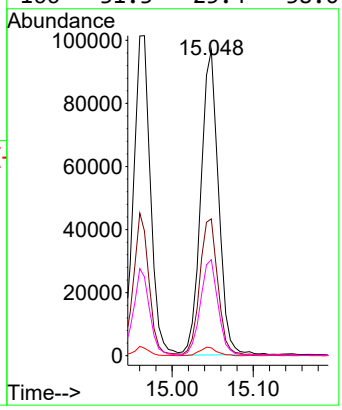




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.381 ng
RT: 15.048 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:232 Resp: 14592

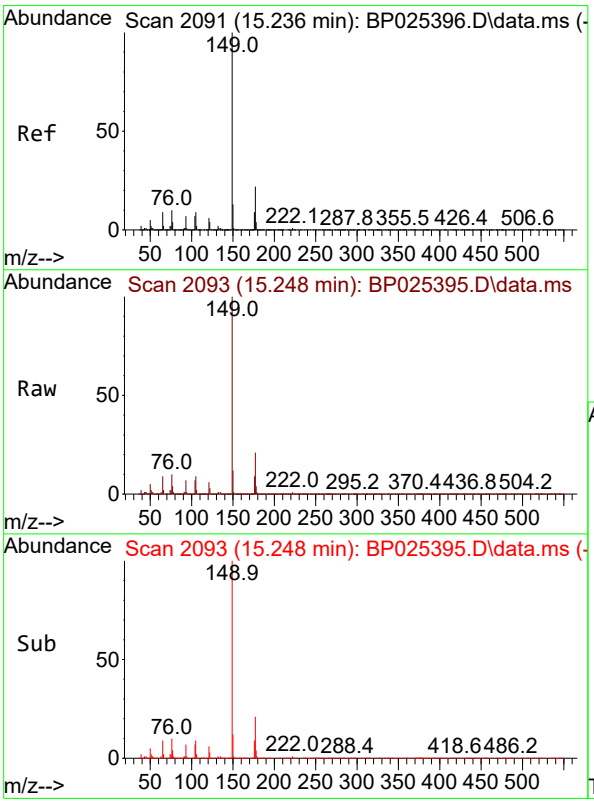
Ion	Ratio	Lower	Upper
232	100		
131	45.5	37.0	55.6
130	2.7	1.9	2.9
166	31.3	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

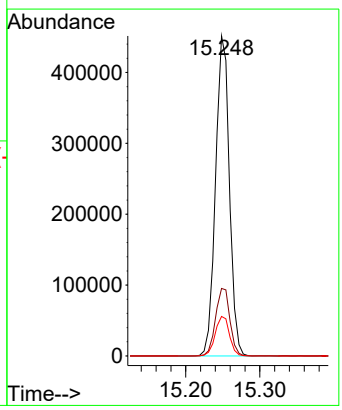
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

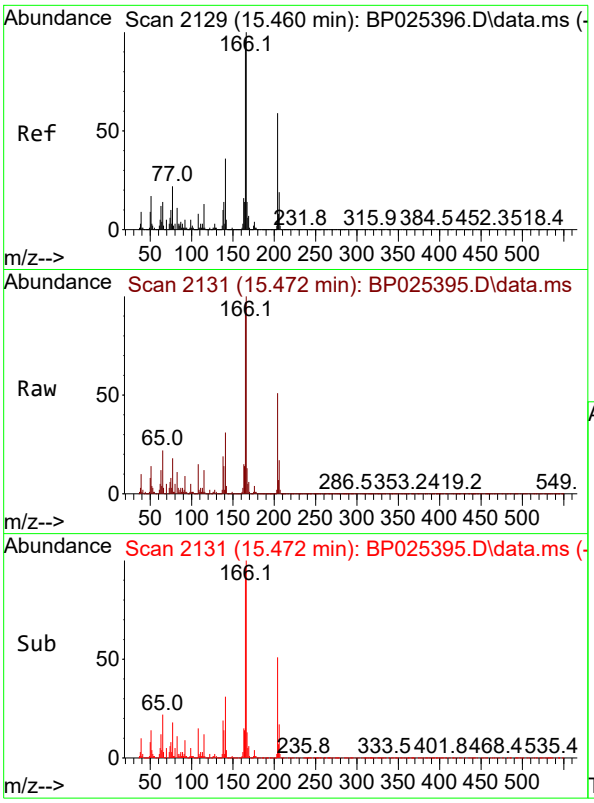


#60
Diethylphthalate
Concen: 19.689 ng
RT: 15.248 min Scan# 2093
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 584590

Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.3	25.9
150	12.4	10.3	15.5

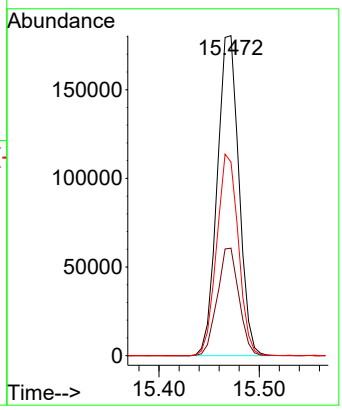




#61
4-Chlorophenyl-phenylether
Concen: 19.929 ng
RT: 15.472 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:204 Resp: 27094

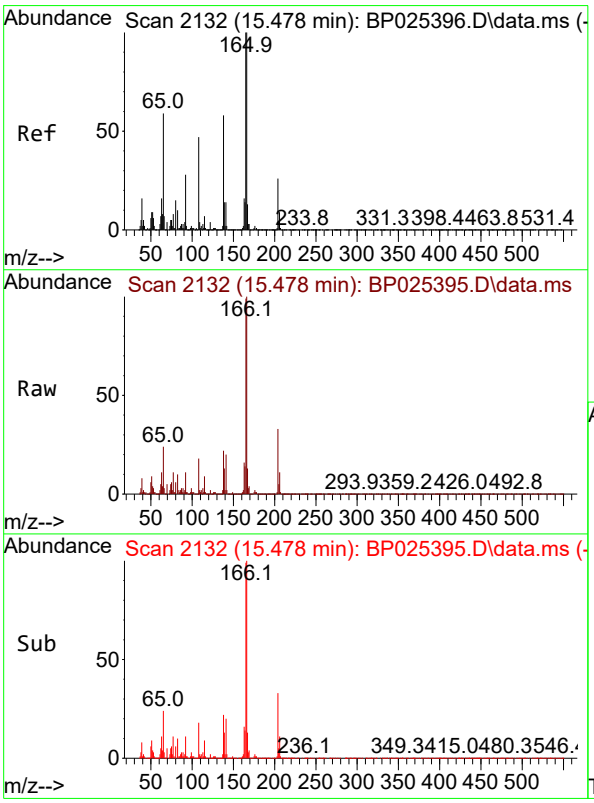
Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.8
141	60.5	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

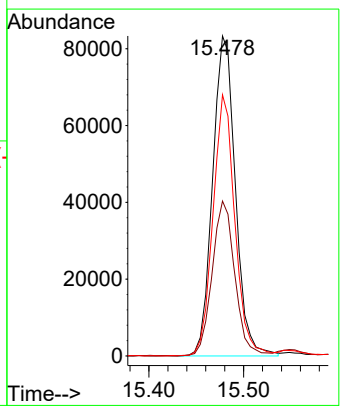
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

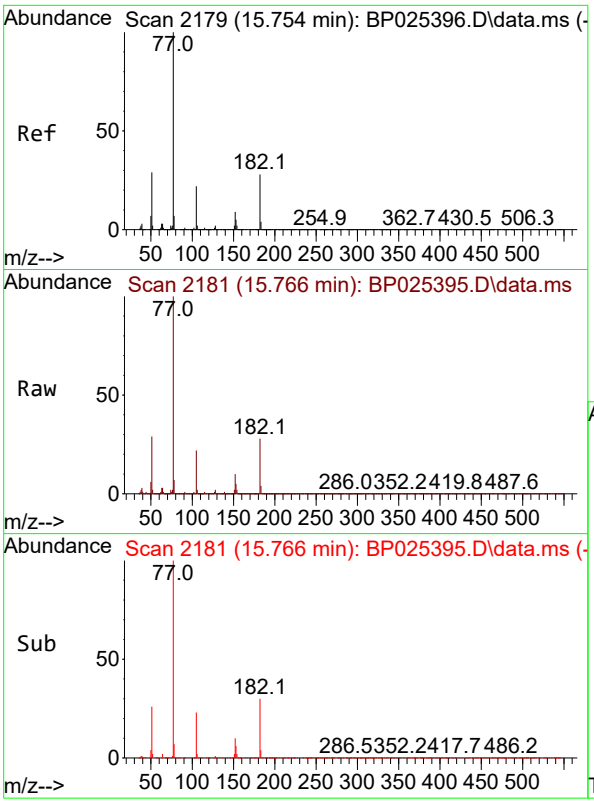


#62
4-Nitroaniline
Concen: 19.595 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:138 Resp: 139202

Ion	Ratio	Lower	Upper
138	100		
92	48.4	29.1	69.1
108	81.6	61.5	101.5

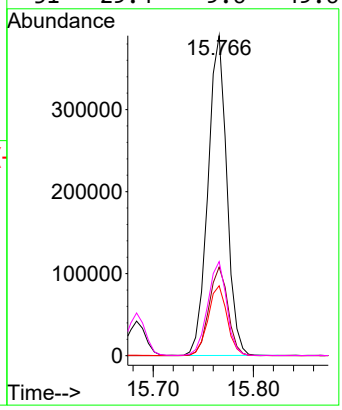




#63
Azobenzene
Concen: 20.004 ng
RT: 15.766 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 77 Resp: 50856

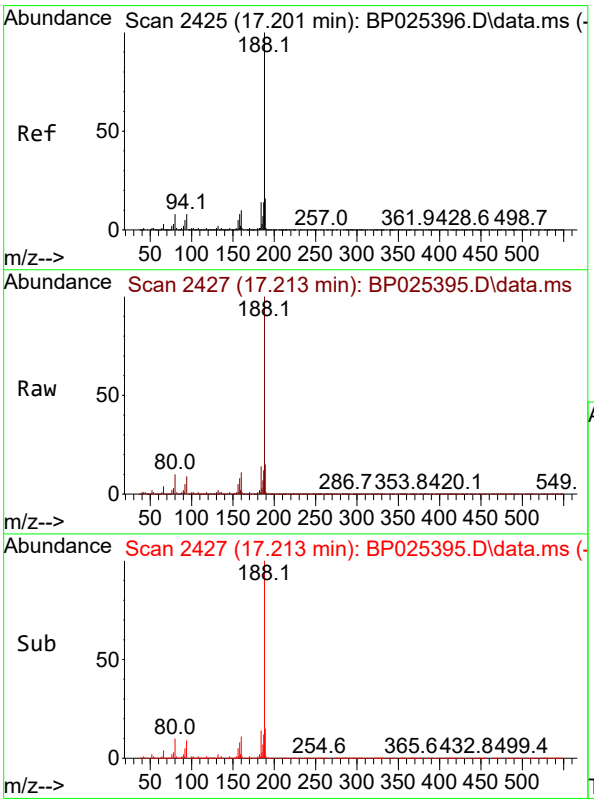
Ion	Ratio	Lower	Upper
77	100		
182	27.7	7.5	47.5
105	21.9	2.1	42.1
51	29.4	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

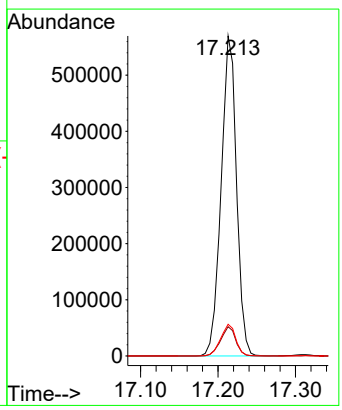
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

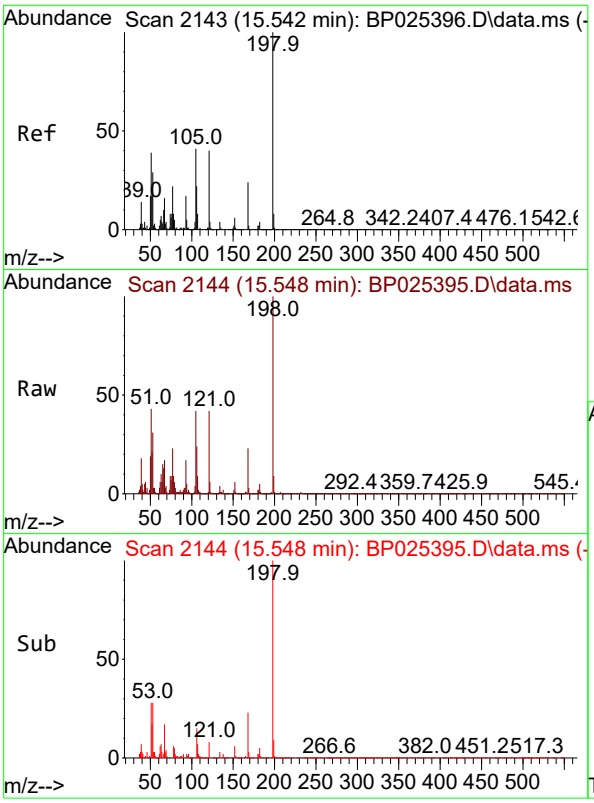


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:188 Resp: 785736

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.9	6.7	10.1

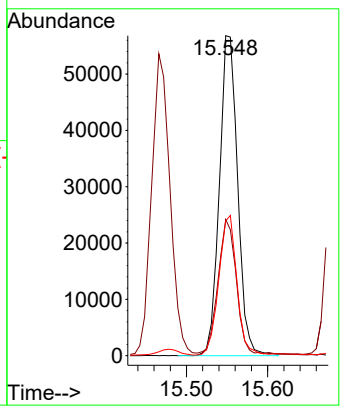




#65
4,6-Dinitro-2-methylphenol
Concen: 18.169 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:198 Resp: 8899

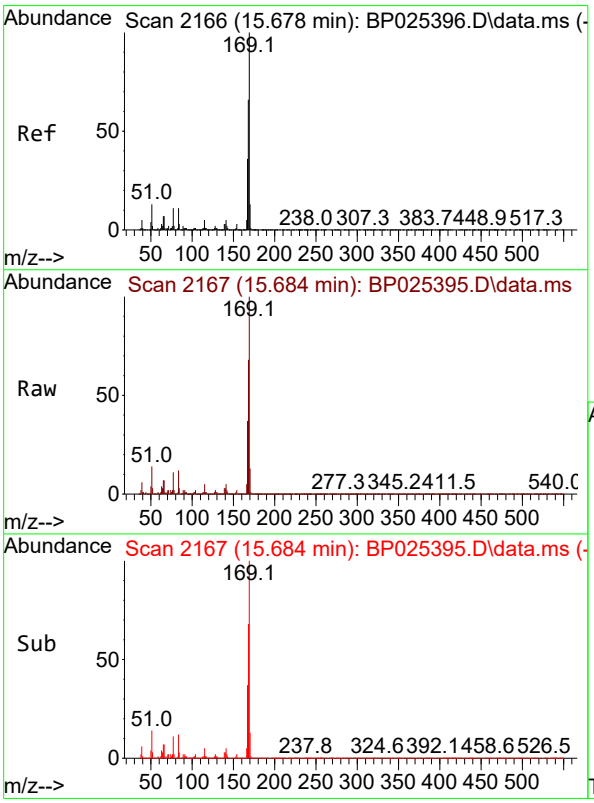
Ion	Ratio	Lower	Upper
198	100		
51	42.6	19.6	59.6
105	42.2	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

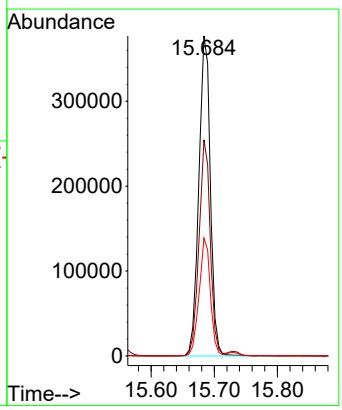
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

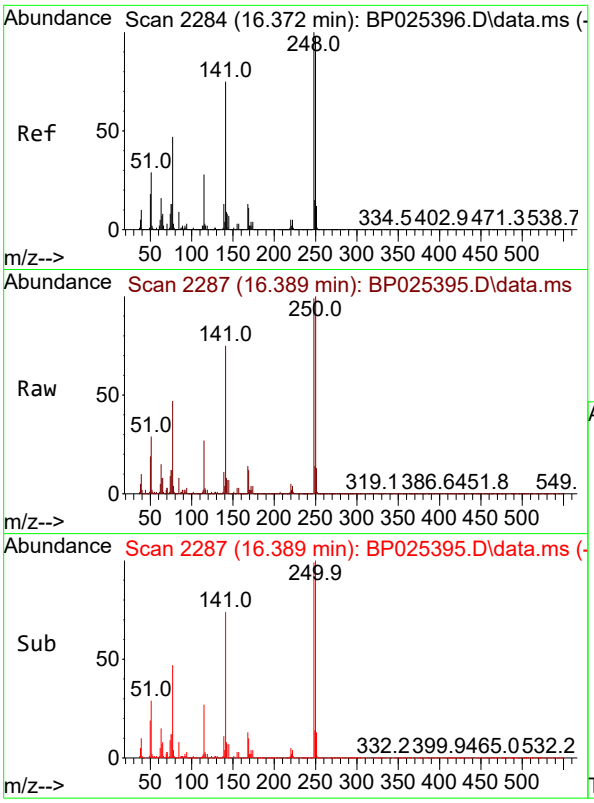


#66
n-Nitrosodiphenylamine
Concen: 19.911 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:169 Resp: 477080

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.2	79.8
167	36.8	28.7	43.1

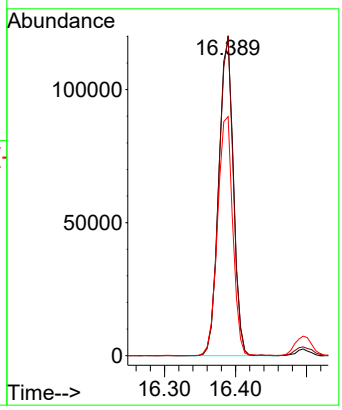




#67
4-Bromophenyl-phenylether
Concen: 19.758 ng
RT: 16.389 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:248 Resp: 17073

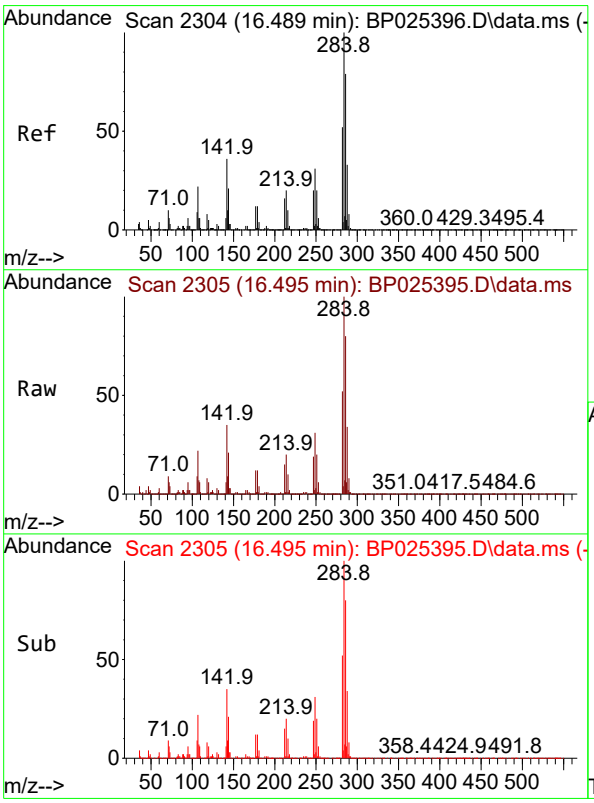
Ion	Ratio	Lower	Upper
248	100		
250	101.4	78.2	117.2
141	75.7	59.6	89.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

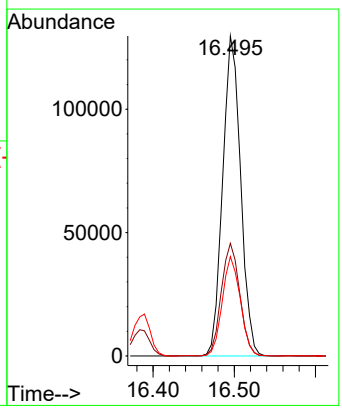
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

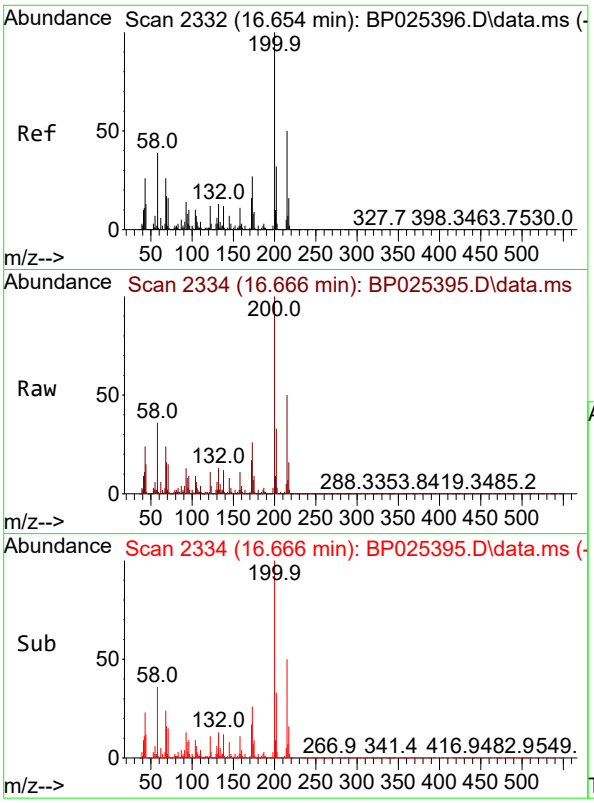


#68
Hexachlorobenzene
Concen: 19.906 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:284 Resp: 199410

Ion	Ratio	Lower	Upper
284	100		
142	35.2	29.1	43.7
249	31.0	25.0	37.4

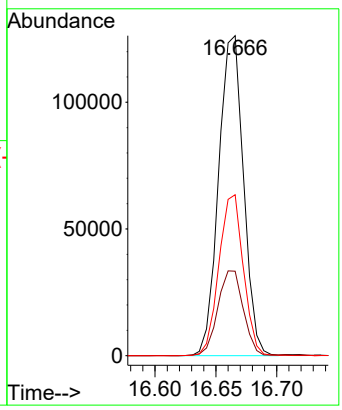




#69
Atrazine
Concen: 20.006 ng
RT: 16.666 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:200 Resp: 17951

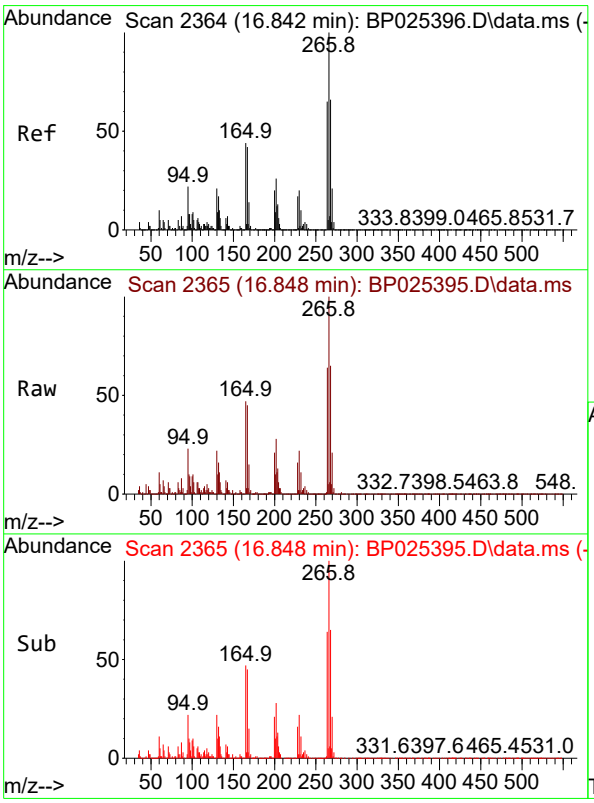
Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.7	46.7
215	50.3	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

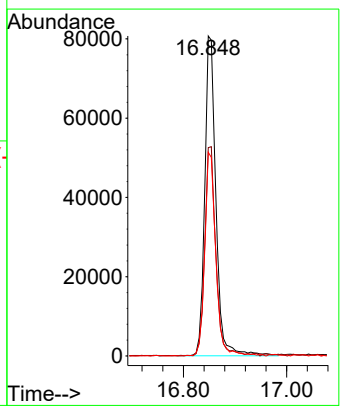
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

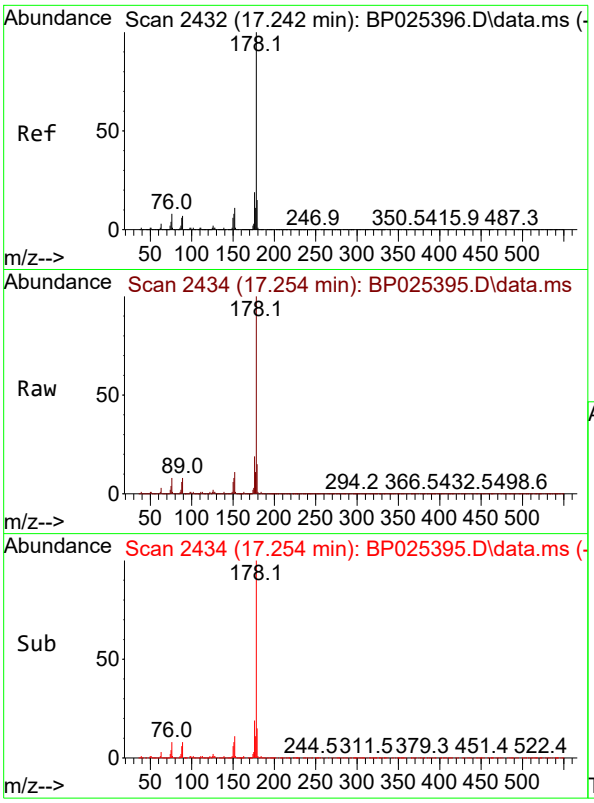


#70
Pentachlorophenol
Concen: 19.128 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:266 Resp: 120958

Ion	Ratio	Lower	Upper
266	100		
268	65.1	52.6	79.0
264	63.6	52.0	78.0

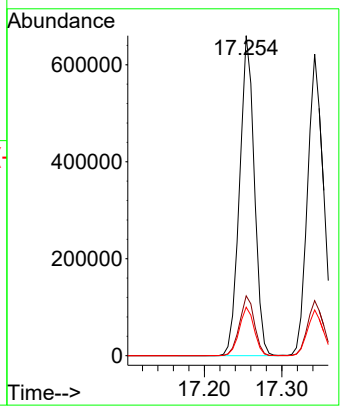




#71
Phenanthrene
Concen: 20.223 ng
RT: 17.254 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:178 Resp: 87289

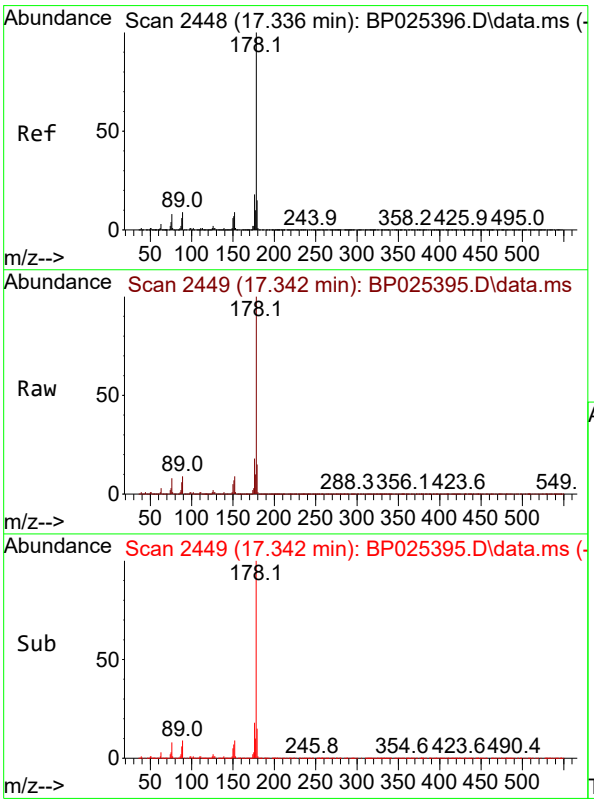
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.2	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

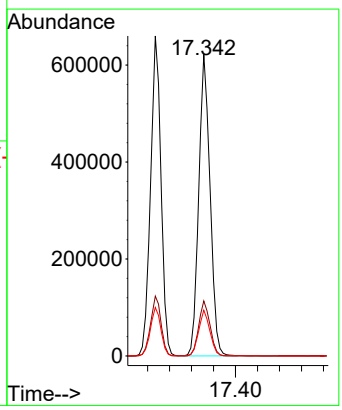
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

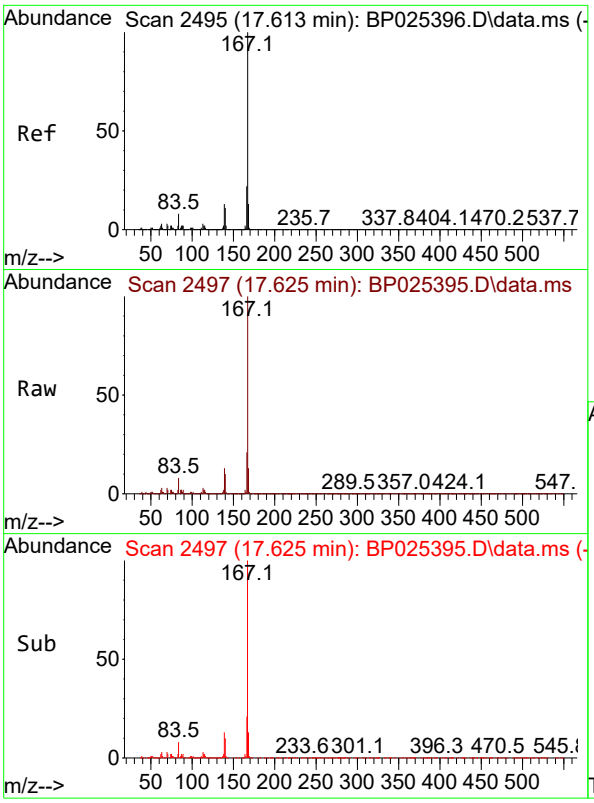


#72
Anthracene
Concen: 20.198 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:178 Resp: 890292

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.2	12.2	18.2

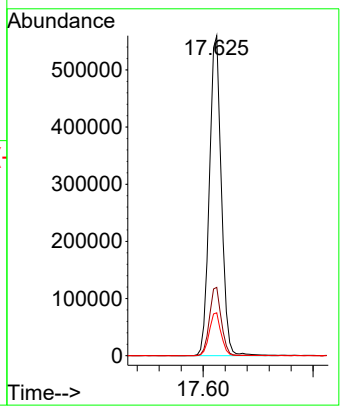




#73
Carbazole
Concen: 20.328 ng
RT: 17.625 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:167 Resp: 84397

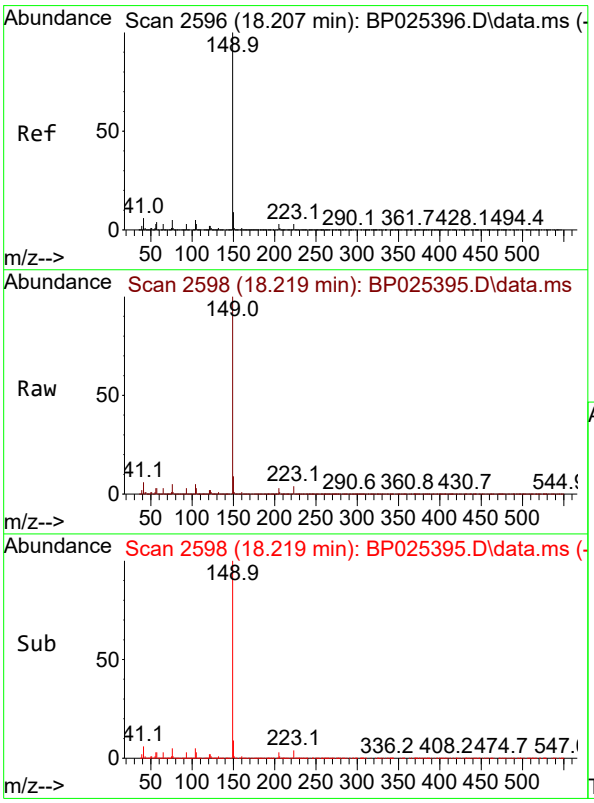
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

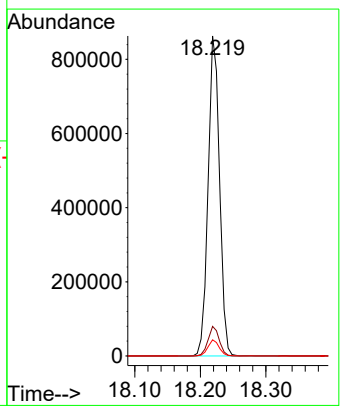
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

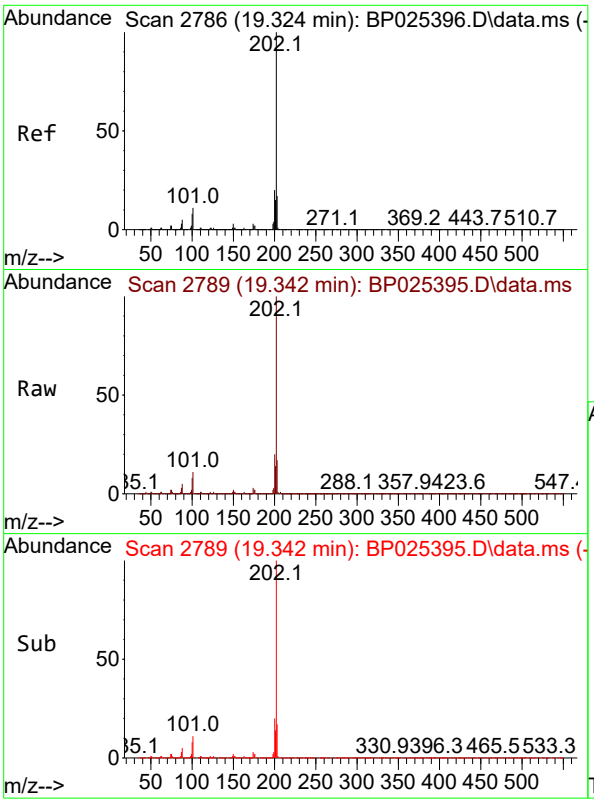


#74
Di-n-butylphthalate
Concen: 20.491 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 1046709

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.1	4.2	6.2

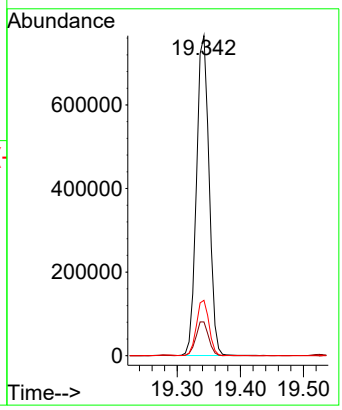




#75
Fluoranthene
Concen: 20.567 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:202 Resp: 105891

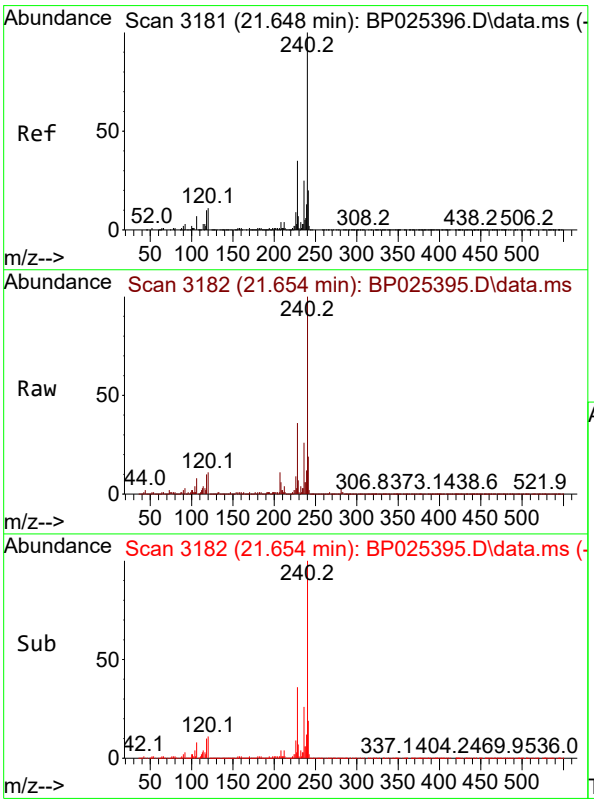
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.1
203	17.3	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

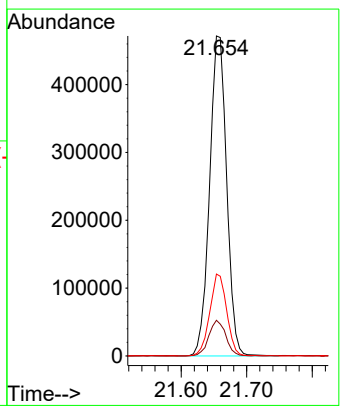
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

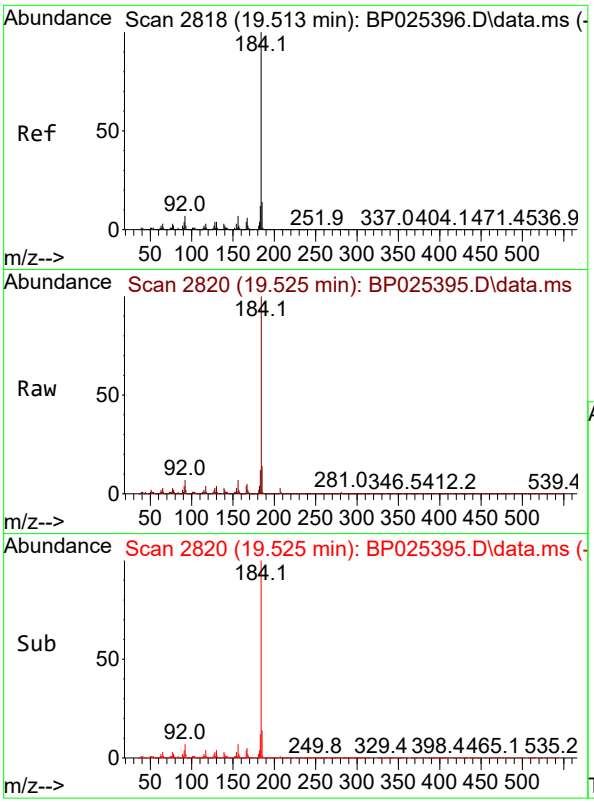


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:240 Resp: 852065

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	25.6	19.8	29.8

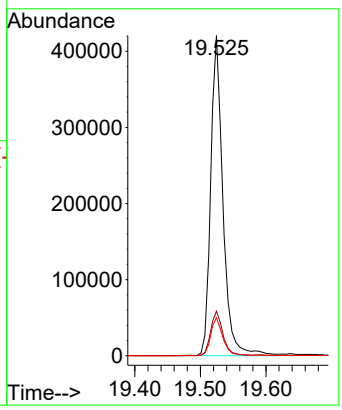




#77
Benzidine
Concen: 18.799 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:184 Resp: 54664

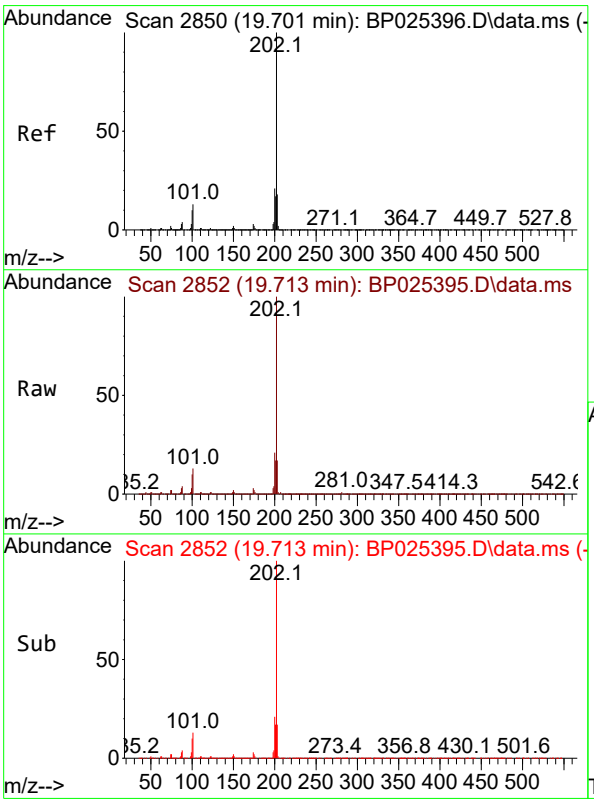
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.9	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

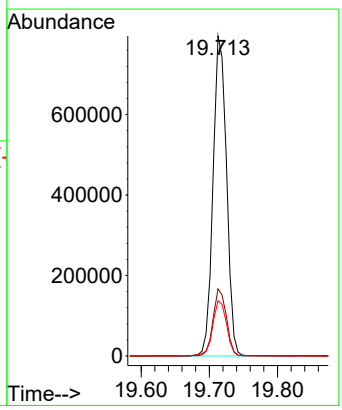
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

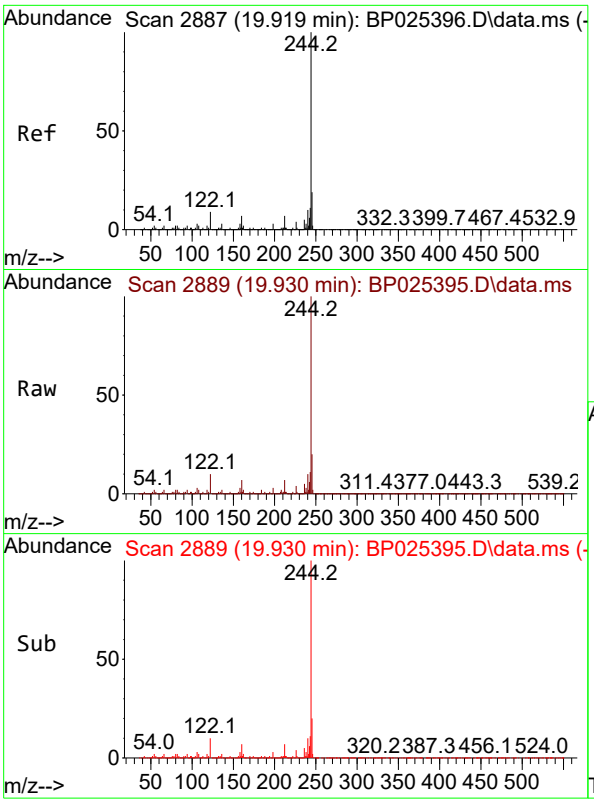


#78
Pyrene
Concen: 19.807 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:202 Resp: 1096965

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.3	14.2	21.2

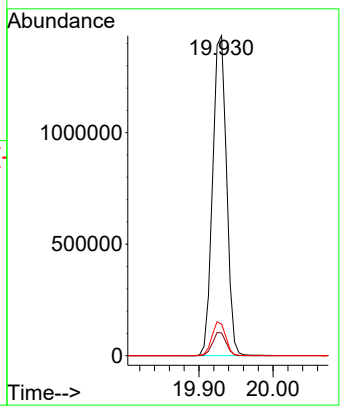




#79
Terphenyl-d14
Concen: 40.152 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:244 Resp: 186995

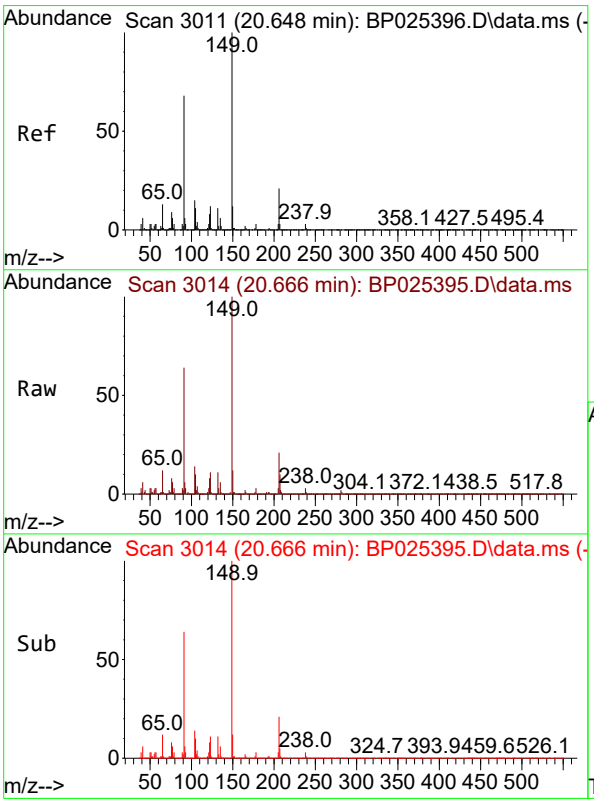
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	9.9	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

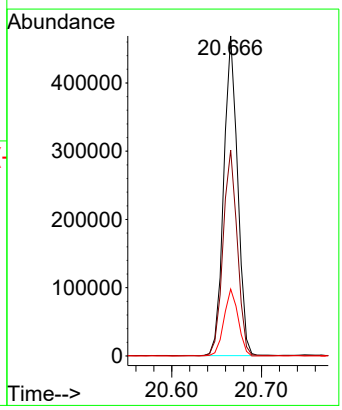
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

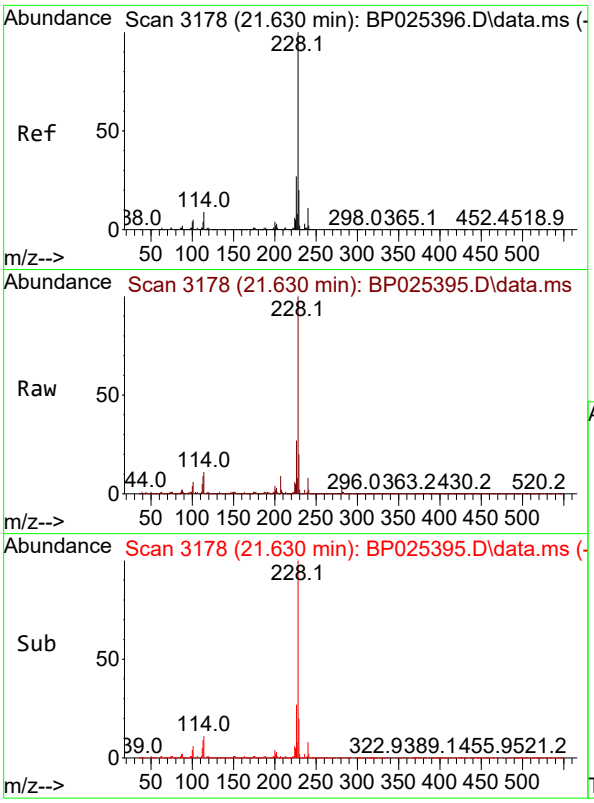


#80
Butylbenzylphthalate
Concen: 20.081 ng
RT: 20.666 min Scan# 3014
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 504019

Ion	Ratio	Lower	Upper
149	100		
91	64.4	54.2	81.2
206	20.9	16.6	24.8

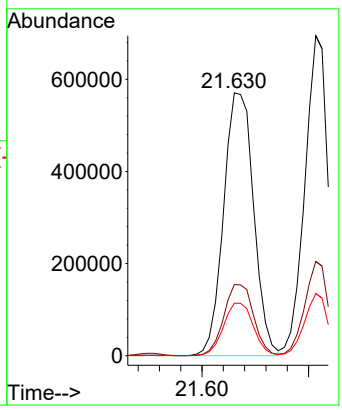




#81
Benzo(a)anthracene
Concen: 19.906 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:228 Resp: 111859

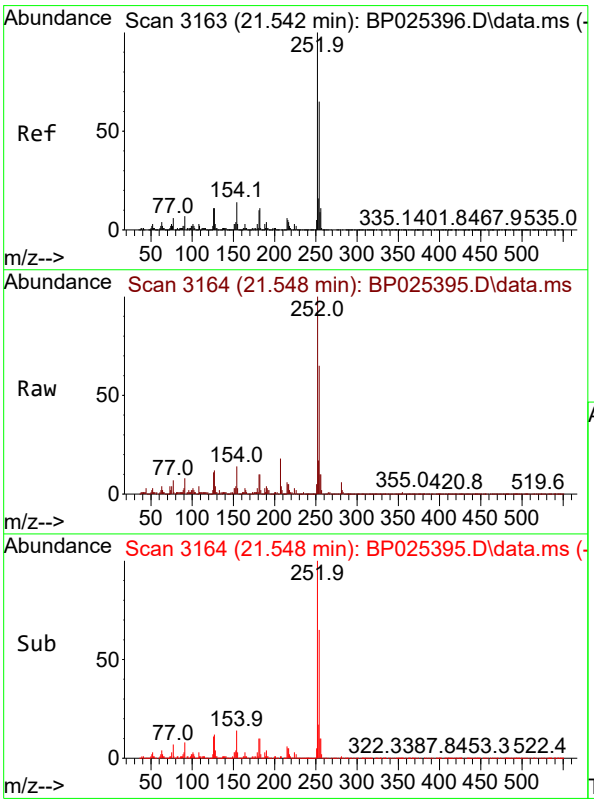
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.9	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

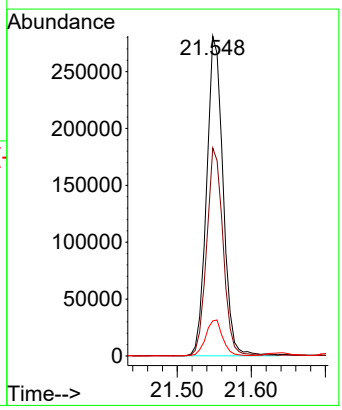
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

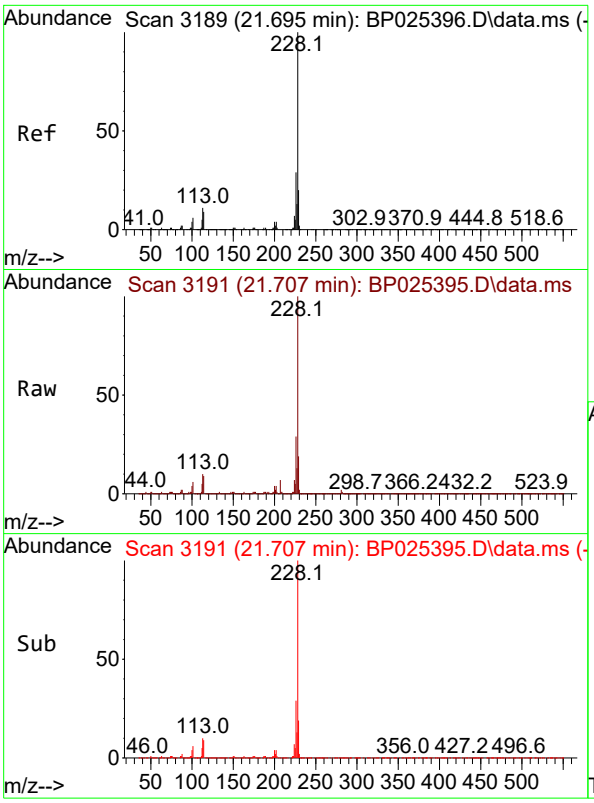


#82
3,3'-Dichlorobenzidine
Concen: 20.399 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 432075

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.8	77.6
126	10.9	9.1	13.7

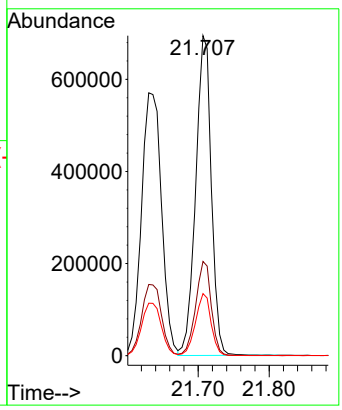




#83
Chrysene
Concen: 20.216 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:228 Resp: 106389

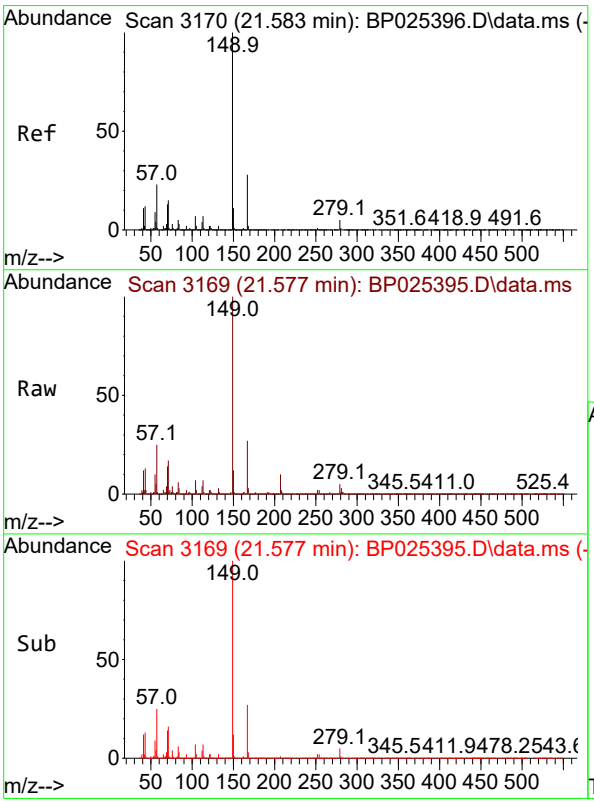
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	19.4	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

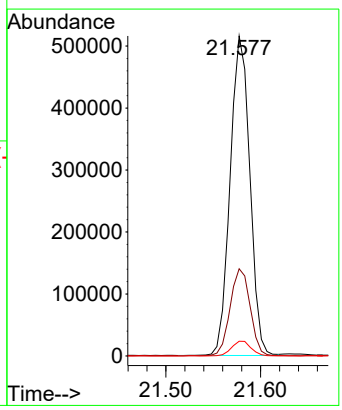
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

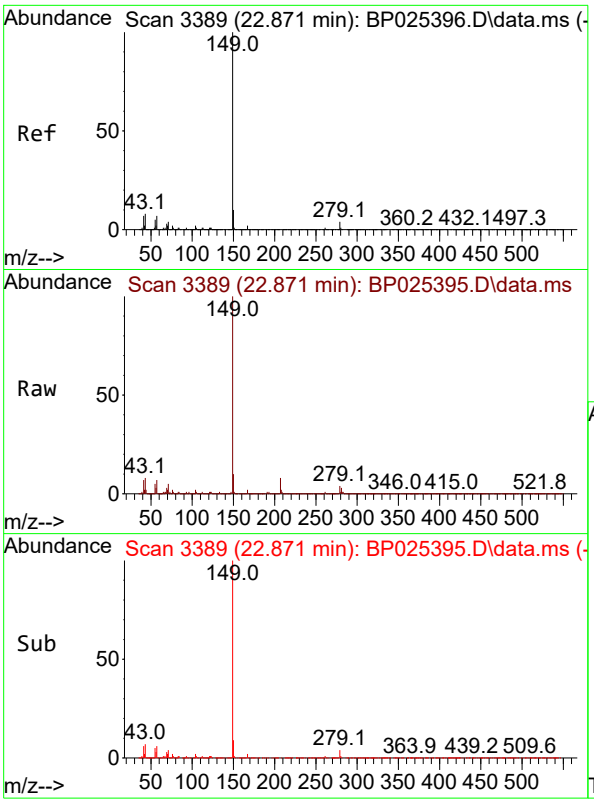


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.155 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 744704

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.1	33.1
279	4.6	3.8	5.6

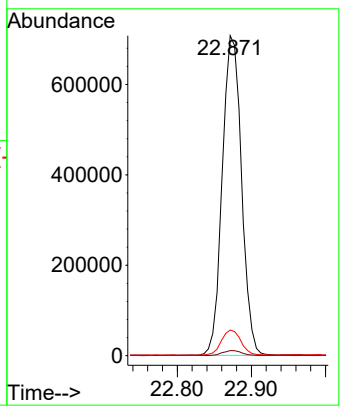




#85
Di-n-octyl phthalate
Concen: 20.091 ng
RT: 22.871 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 127679

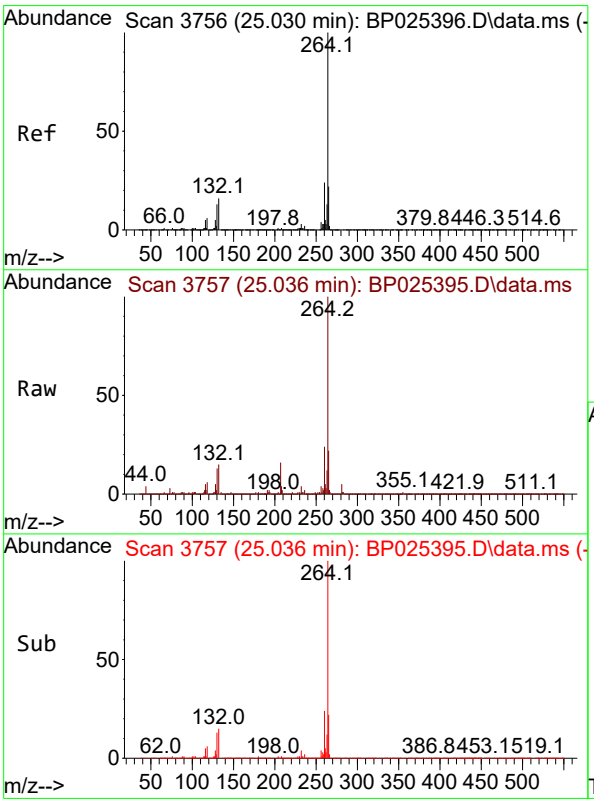
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

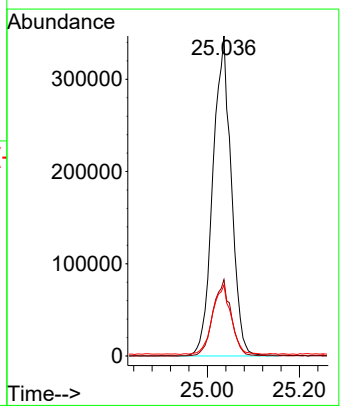
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

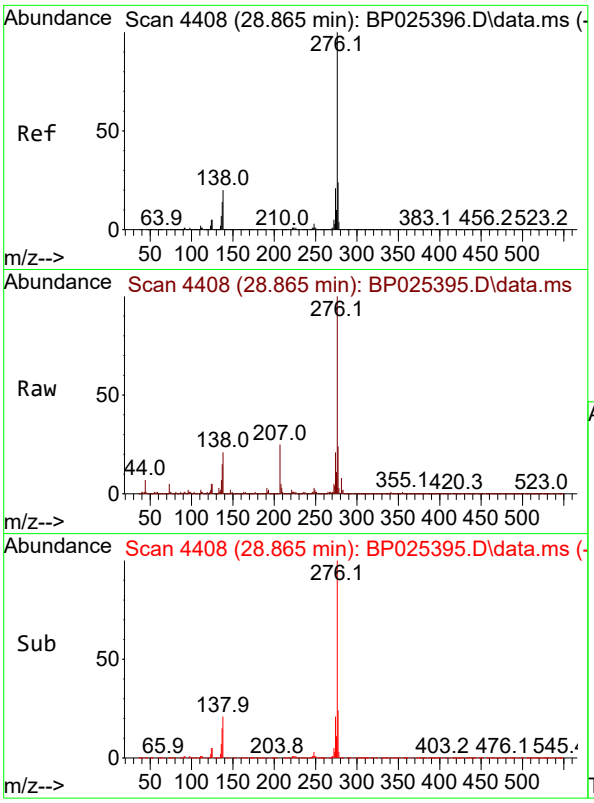


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:264 Resp: 958651

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.2	17.4	26.0

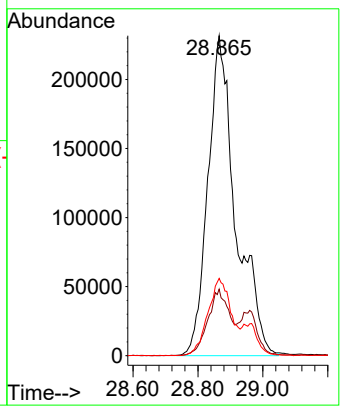




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.627 ng m
RT: 28.865 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:276 Resp: 138033

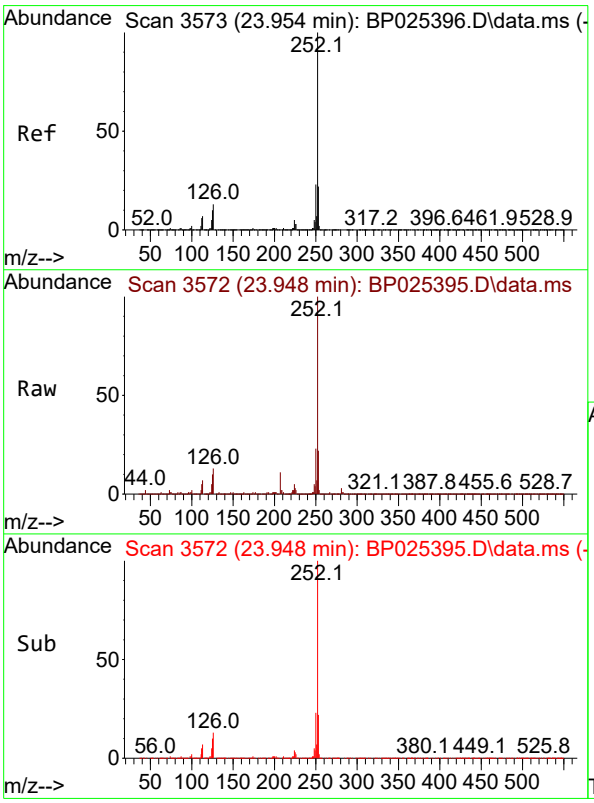
Ion	Ratio	Lower	Upper
276	100		
138	16.2	12.9	19.3
277	20.1	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

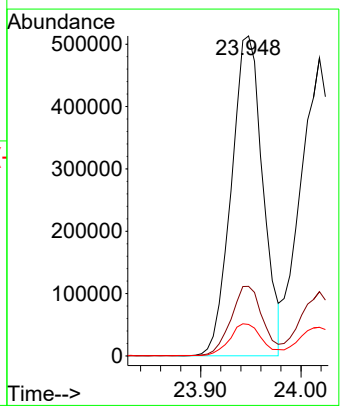
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

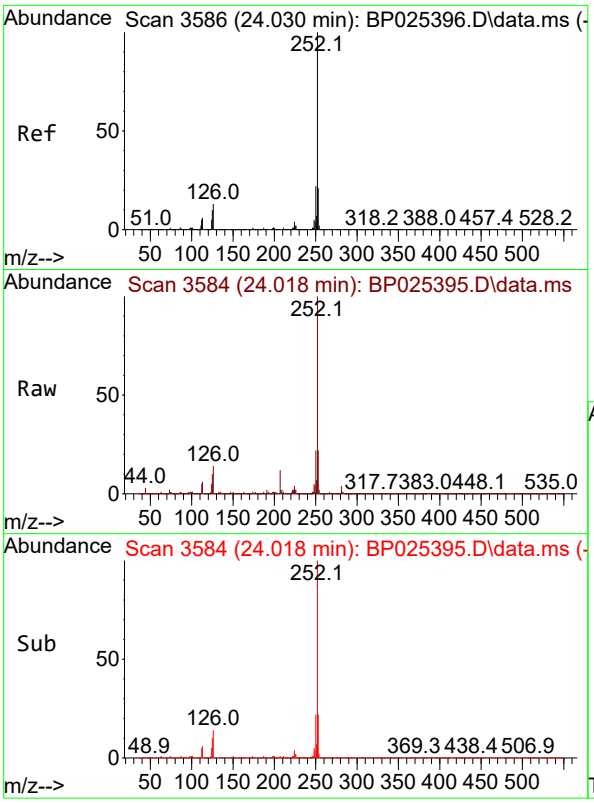


#88
Benzo(b)fluoranthene
Concen: 19.855 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 1122408

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.9	7.9	11.9

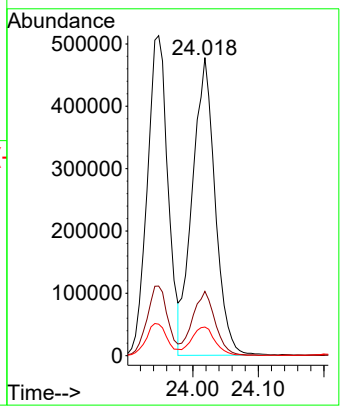




#89
Benzo(k)fluoranthene
Concen: 20.336 ng
RT: 24.018 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 115036

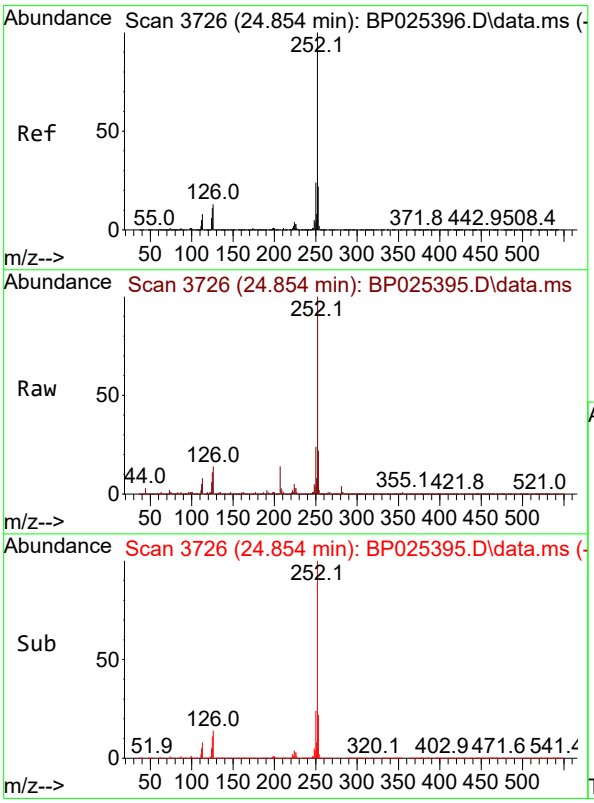
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.6	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

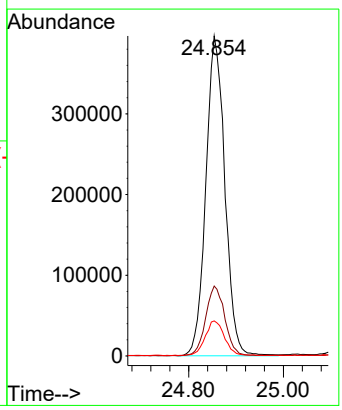
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

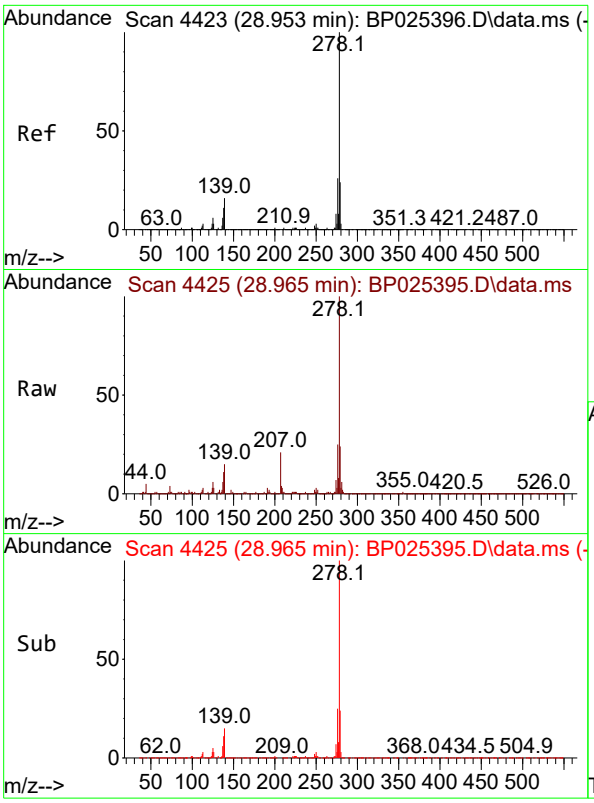


#90
Benzo(a)pyrene
Concen: 20.041 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 1102804

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.9	8.7	13.1

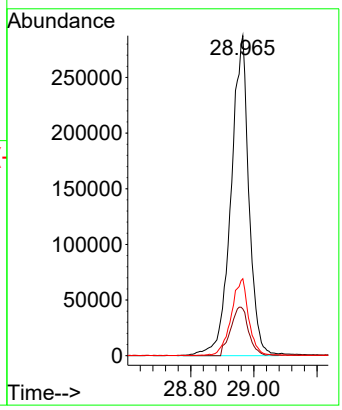




#91
Dibenzo(a,h)anthracene
Concen: 19.672 ng
RT: 28.965 min Scan# 44
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:278 Resp: 113020

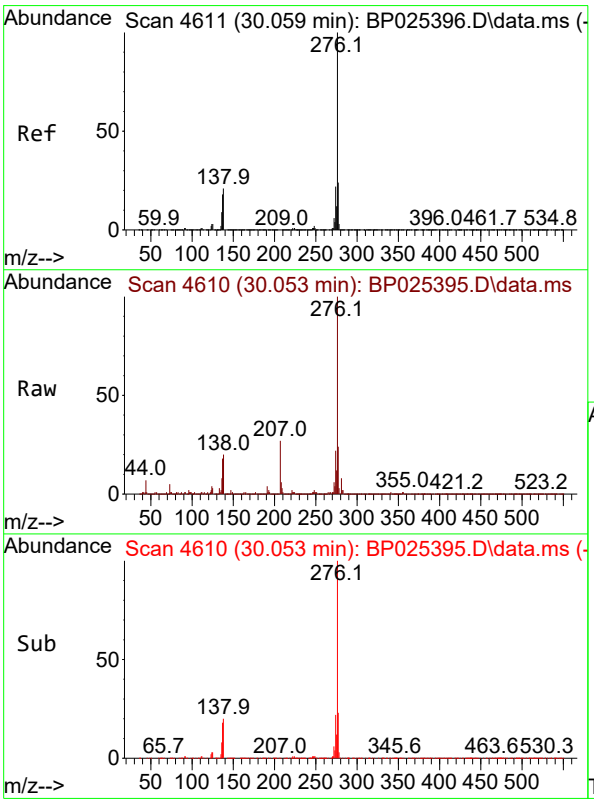
Ion	Ratio	Lower	Upper
278	100		
139	14.6	13.0	19.4
279	24.1	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

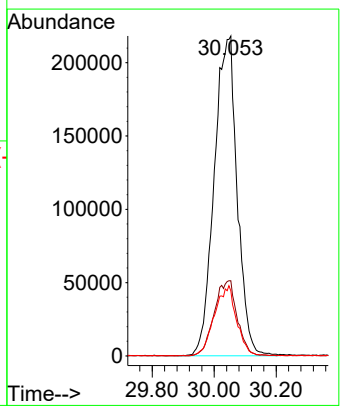
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 19.840 ng
RT: 30.053 min Scan# 4610
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:276 Resp: 1120307

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	20.4	16.7	25.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025396.D
Acq On : 14 Aug 2025 15:19
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 17:55:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	157704	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	663553	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	441110	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	884529	20.000	ng	0.00
76) Chrysene-d12	21.648	240	899207	20.000	ng	0.00
86) Perylene-d12	25.030	264	1022138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	733191	77.209	ng	0.00
7) Phenol-d6	6.966	99	954285	78.381	ng	0.00
23) Nitrobenzene-d5	8.937	82	1015557	77.420	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	463783	78.112	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2456787	76.118	ng	0.00
79) Terphenyl-d14	19.919	244	3760236	76.508	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	140326	37.726	ng	100
3) Pyridine	3.731	79	384936	37.809	ng	100
4) n-Nitrosodimethylamine	3.637	42	161267	38.421	ng	100
6) Aniline	7.125	93	637156	38.842	ng	100
8) 2-Chlorophenol	7.366	128	414233	38.655	ng	100
9) Benzaldehyde	6.943	77	430704	50.493	ng	100
10) Phenol	6.996	94	496755	38.884	ng	100
11) bis(2-Chloroethyl)ether	7.219	93	385335	38.698	ng	100
12) 1,3-Dichlorobenzene	7.684	146	455200	38.523	ng	100
13) 1,4-Dichlorobenzene	7.831	146	462800	38.319	ng	100
14) 1,2-Dichlorobenzene	8.143	146	451306	38.602	ng	100
15) Benzyl Alcohol	8.025	79	376323	38.901	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.313	45	510991	38.308	ng	100
17) 2-Methylphenol	8.225	107	349313	39.369	ng	100
18) Hexachloroethane	8.866	117	171906	38.712	ng	100
19) n-Nitroso-di-n-propyla...	8.590	70	312773	38.737	ng	100
20) 3+4-Methylphenols	8.549	107	481148	39.121	ng	100
22) Acetophenone	8.601	105	644124	38.708	ng	100
24) Nitrobenzene	8.972	77	457175	38.997	ng	100
25) Isophorone	9.501	82	893987	38.510	ng	100
26) 2-Nitrophenol	9.678	139	239675	39.837	ng	100
27) 2,4-Dimethylphenol	9.743	122	408572	39.489	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	540282	38.502	ng	100
29) 2,4-Dichlorophenol	10.213	162	405233	39.427	ng	100
30) 1,2,4-Trichlorobenzene	10.425	180	434105	38.529	ng	100
31) Naphthalene	10.613	128	1326839	38.472	ng	100
32) Benzoic acid	9.872	122	301281	39.537	ng	100
33) 4-Chloroaniline	10.713	127	599466	39.350	ng	100
34) Hexachlorobutadiene	10.901	225	271549	38.700	ng	100
35) Caprolactam	11.495	113	145175	38.520	ng	100
36) 4-Chloro-3-methylphenol	11.837	107	459473	38.959	ng	100
37) 2-Methylnaphthalene	12.219	142	865427	38.559	ng	100
38) 1-Methylnaphthalene	12.437	142	909865	38.120	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	494141	38.787	ng	100
41) Hexachlorocyclopentadiene	12.572	237	307015	39.896	ng	100
43) 2,4,6-Trichlorophenol	12.825	196	337157	39.201	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025396.D
Acq On : 14 Aug 2025 15:19
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:55:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	373880	39.664	ng	100
46) 1,1'-Biphenyl	13.231	154	1242247	38.777	ng	100
47) 2-Chloronaphthalene	13.272	162	970903	38.930	ng	100
48) 2-Nitroaniline	13.472	65	291341	40.092	ng	100
49) Acenaphthylene	14.125	152	1593636	38.617	ng	100
50) Dimethylphthalate	13.860	163	1237666	38.316	ng	100
51) 2,6-Dinitrotoluene	13.966	165	272750	40.061	ng	100
52) Acenaphthene	14.466	154	918569	37.921	ng	100
53) 3-Nitroaniline	14.301	138	301417	39.349	ng	100
54) 2,4-Dinitrophenol	14.507	184	144100	39.633	ng	100
55) Dibenzofuran	14.807	168	1479220	38.624	ng	100
56) 4-Nitrophenol	14.613	139	246542	39.168	ng	100
57) 2,4-Dinitrotoluene	14.766	165	386189	39.757	ng	100
58) Fluorene	15.466	166	1151825	38.115	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	324396	38.975	ng	100
60) Diethylphthalate	15.236	149	1264740	38.533	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	574546	38.228	ng	100
62) 4-Nitroaniline	15.478	138	309740	39.443	ng	100
63) Azobenzene	15.754	77	1091004	38.820	ng	100
65) 4,6-Dinitro-2-methylph...	15.542	198	217153	39.384	ng	100
66) n-Nitrosodiphenylamine	15.678	169	1045170	38.749	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	376864	38.739	ng	100
68) Hexachlorobenzene	16.489	284	428361	37.986	ng	100
69) Atrazine	16.654	200	386256	38.238	ng	100
70) Pentachlorophenol	16.842	266	278412	39.110	ng	100
71) Phenanthrene	17.242	178	1839191	37.851	ng	100
72) Anthracene	17.336	178	1908189	38.456	ng	100
73) Carbazole	17.613	167	1781890	38.125	ng	100
74) Di-n-butylphthalate	18.207	149	2201043	38.277	ng	100
75) Fluoranthene	19.324	202	2172758	37.488	ng	100
77) Benzidine	19.513	184	1738926	56.665	ng	100
78) Pyrene	19.701	202	2290461	39.189	ng	100
80) Butylbenzylphthalate	20.648	149	1041998	39.338	ng	100
81) Benzo(a)anthracene	21.630	228	2280774	38.460	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	877708	39.266	ng	100
83) Chrysene	21.695	228	2125866	38.278	ng	100
84) Bis(2-ethylhexyl)phtha...	21.583	149	1493804	38.310	ng	100
85) Di-n-octyl phthalate	22.871	149	2597558	38.730	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	2884713m	38.470	ng	
88) Benzo(b)fluoranthene	23.954	252	2318198	38.462	ng	100
89) Benzo(k)fluoranthene	24.030	252	2309091	38.285	ng	100
90) Benzo(a)pyrene	24.854	252	2265862	38.620	ng	100
91) Dibenzo(a,h)anthracene	28.953	278	2363840	38.589	ng	100
92) Benzo(g,h,i)perylene	30.059	276	2327292	38.654	ng	100

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

ICAL Form

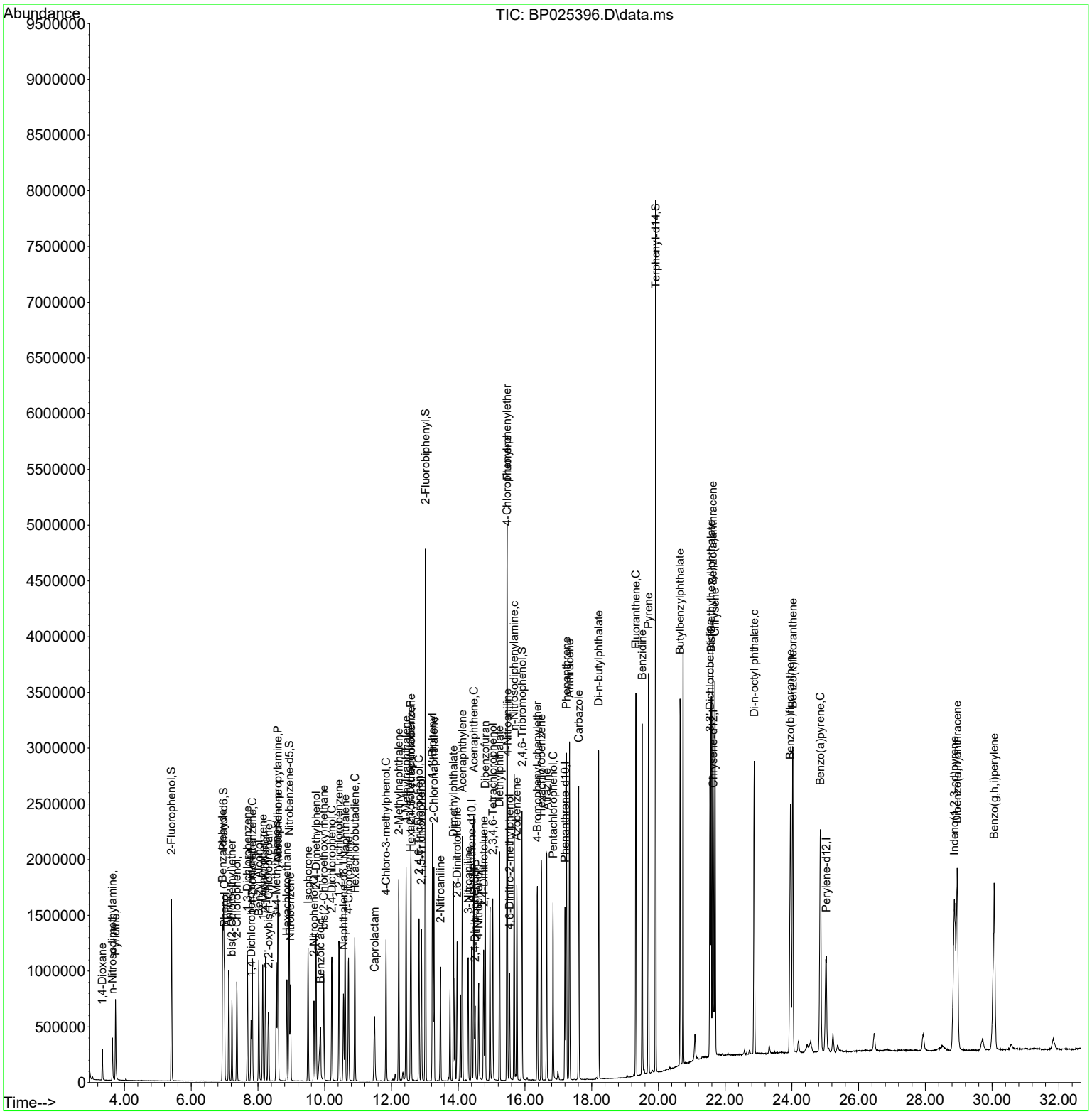
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025396.D
Acq On : 14 Aug 2025 15:19
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

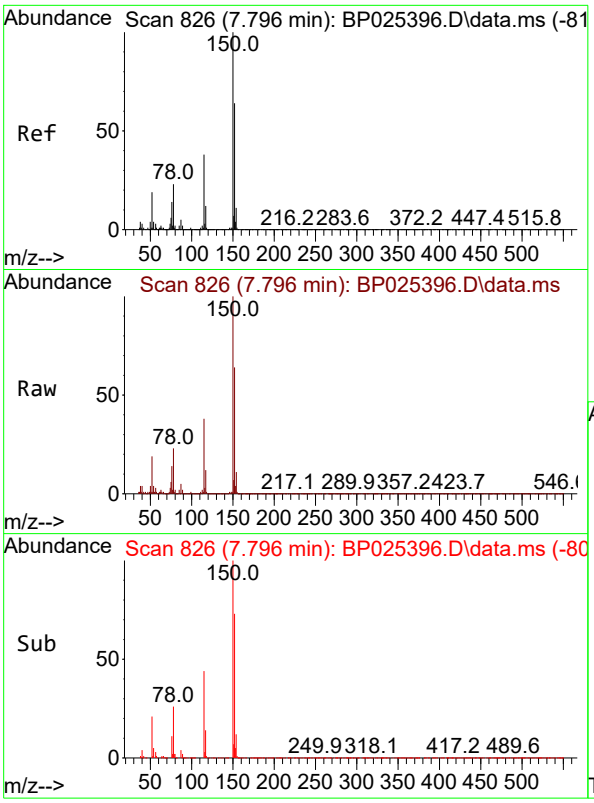
Quant Time: Aug 14 17:55:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

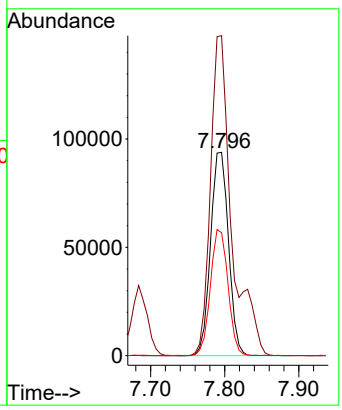




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:152 Resp: 15770

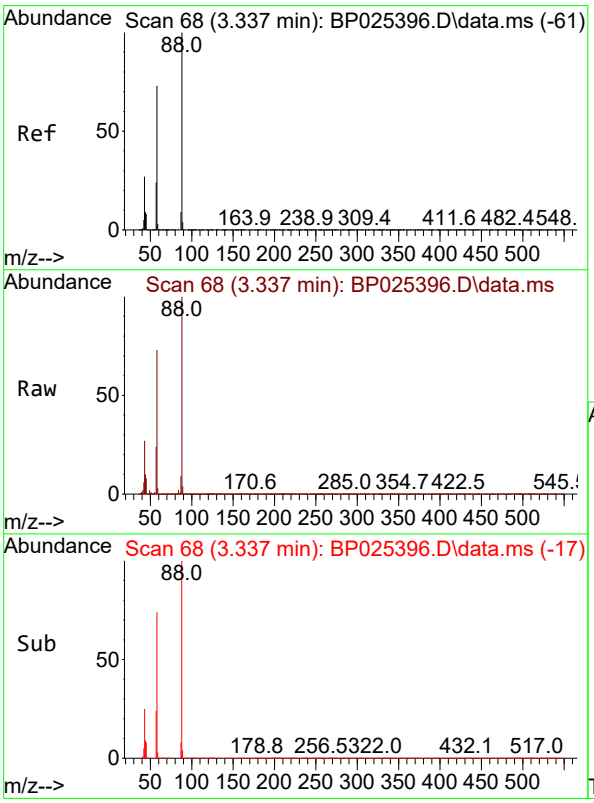
Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	60.6	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

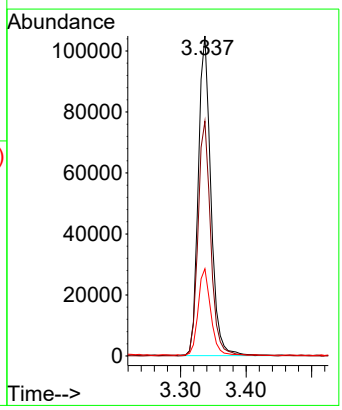
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

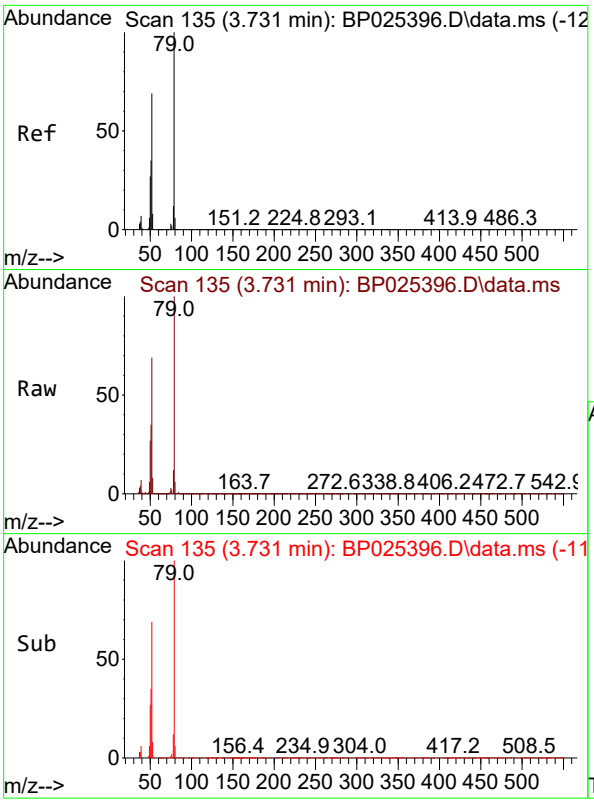


#2
1,4-Dioxane
Concen: 37.726 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 88 Resp: 140326

Ion	Ratio	Lower	Upper
88	100		
58	74.0	59.2	88.8
43	27.1	21.7	32.5

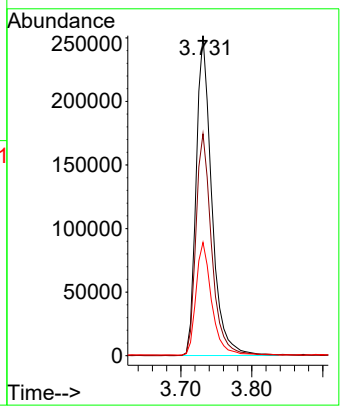




#3
Pyridine
Concen: 37.809 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 79 Resp: 38493

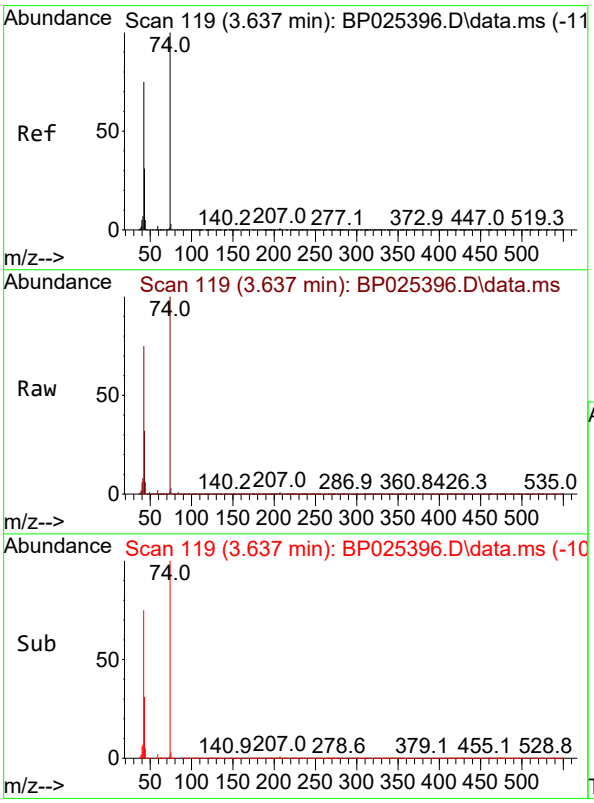
Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.4	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

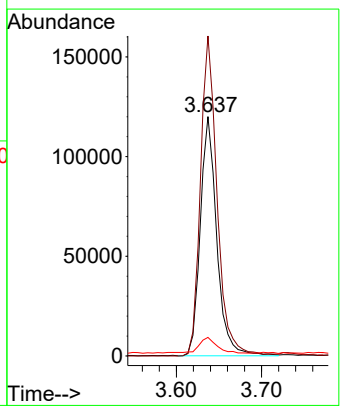
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

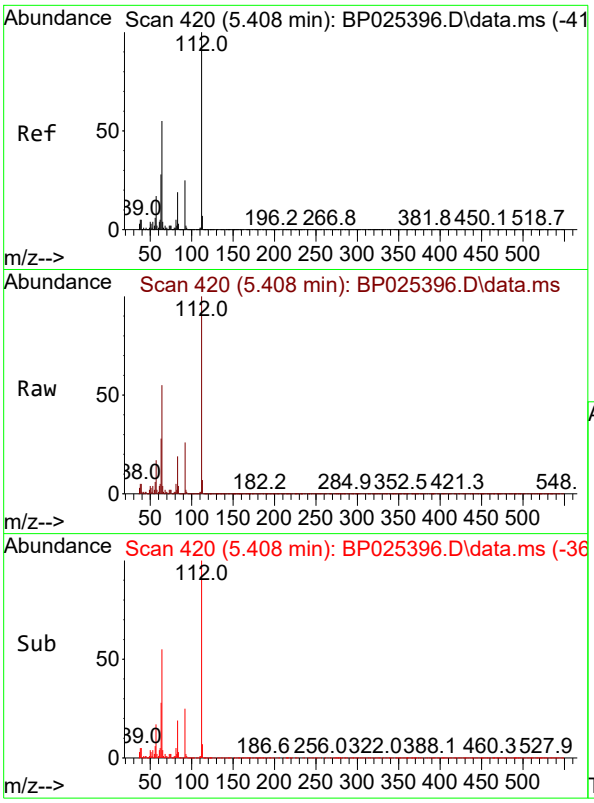


#4
n-Nitrosodimethylamine
Concen: 38.421 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 42 Resp: 161267

Ion	Ratio	Lower	Upper
42	100		
74	133.7	107.0	160.4
44	7.8	6.2	9.4

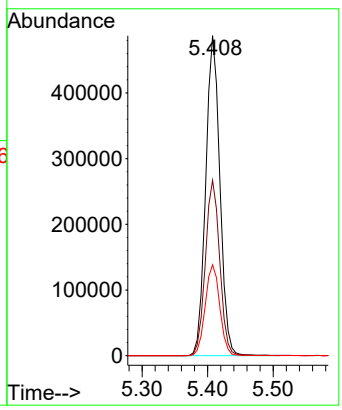




#5
2-Fluorophenol
Concen: 77.209 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:112 Resp: 73319

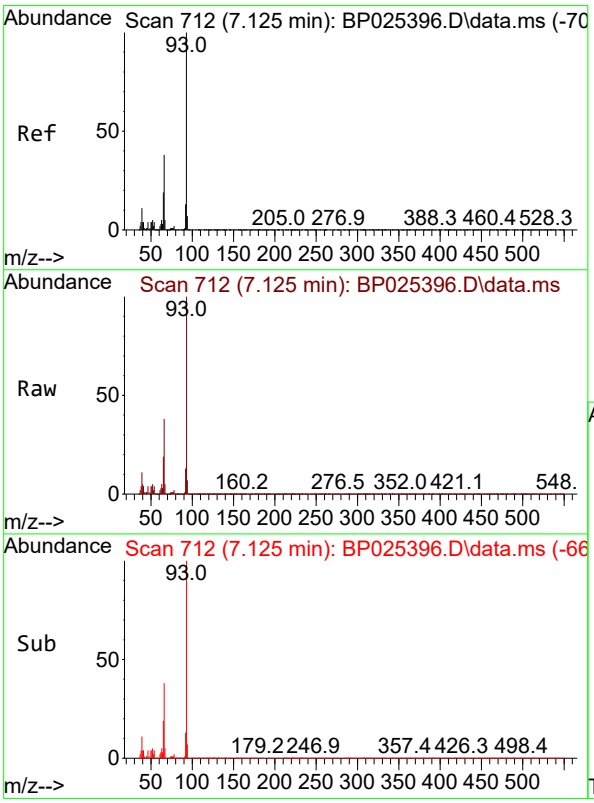
Ion	Ratio	Lower	Upper
112	100		
64	54.8	43.8	65.8
63	28.4	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

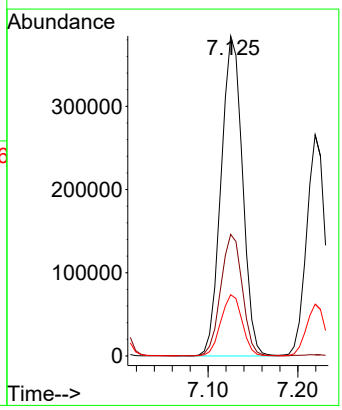
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

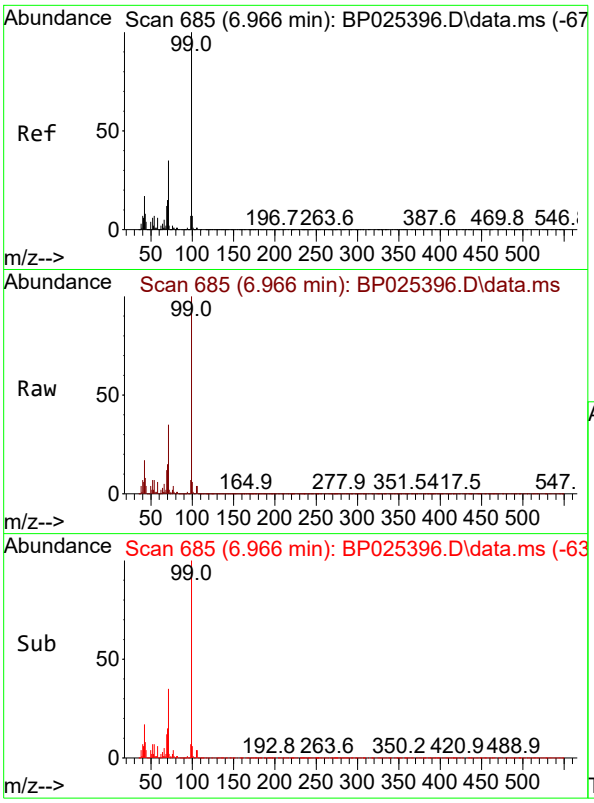


#6
Aniline
Concen: 38.842 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 637156

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	19.1	15.3	22.9

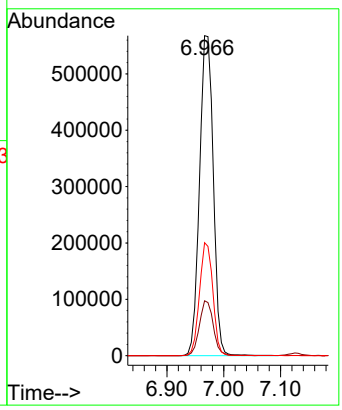




#7
Phenol-d6
Concen: 78.381 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 99 Resp: 95428

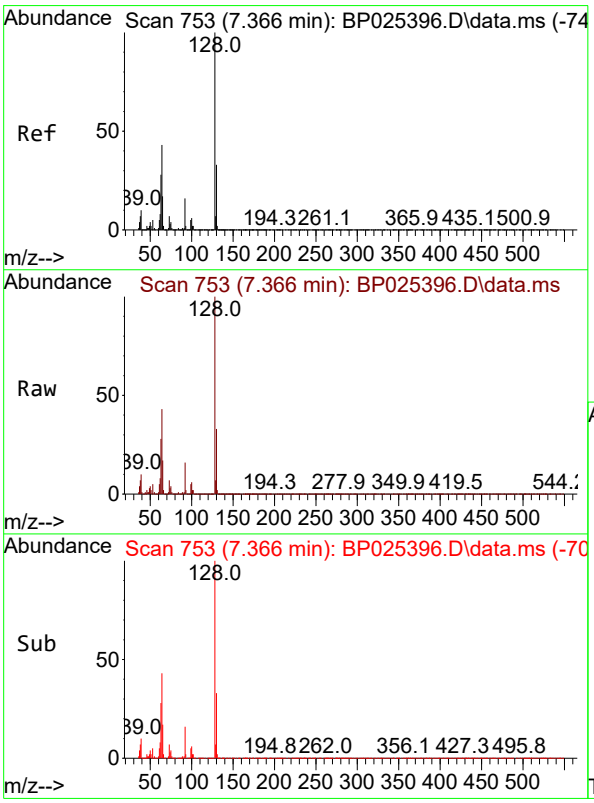
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	35.3	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

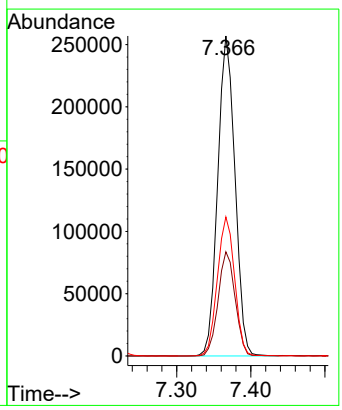
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

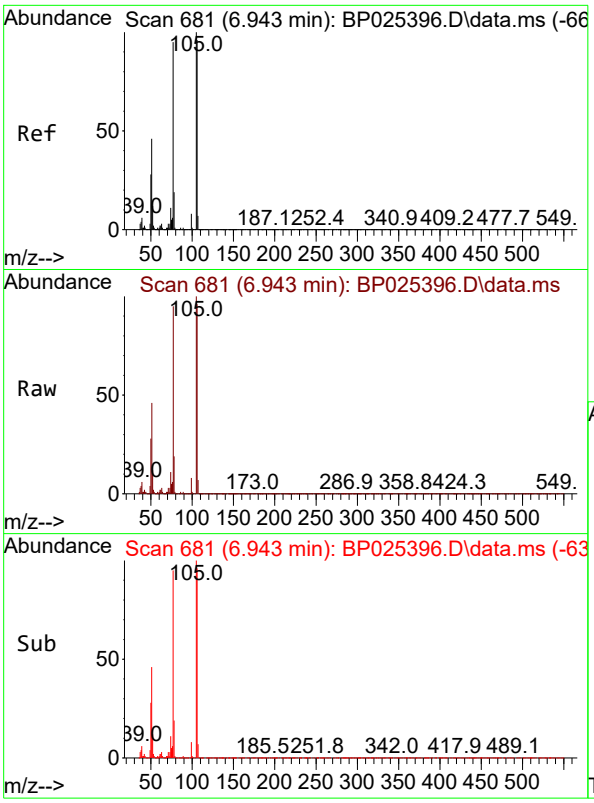


#8
2-Chlorophenol
Concen: 38.655 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:128 Resp: 414233

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	43.4	23.4	63.4

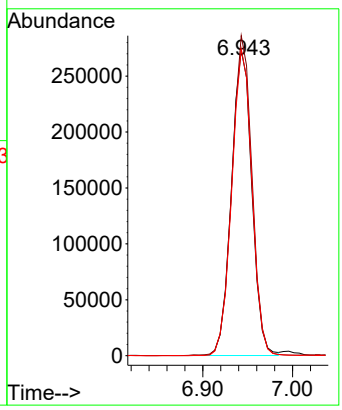




#9
Benzaldehyde
Concen: 50.493 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 77 Resp: 43070

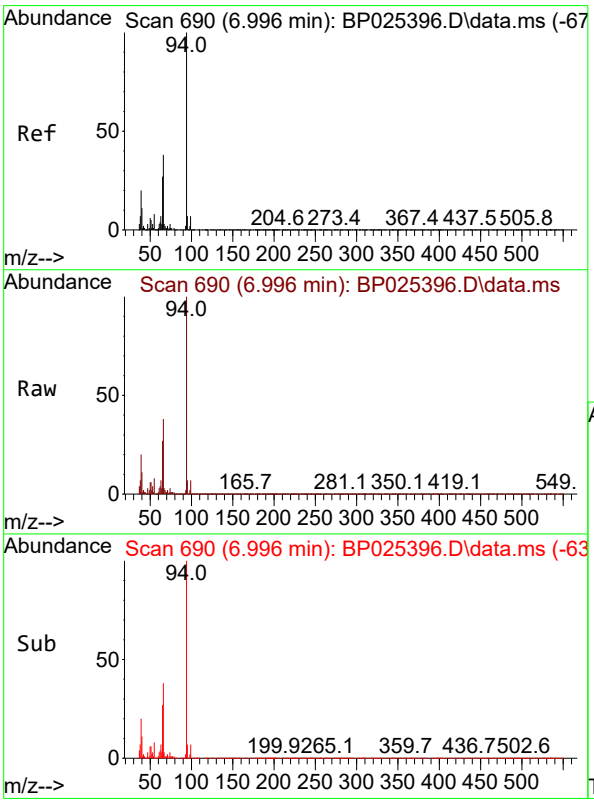
Ion	Ratio	Lower	Upper
77	100		
105	104.8	84.8	124.8
106	100.5	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

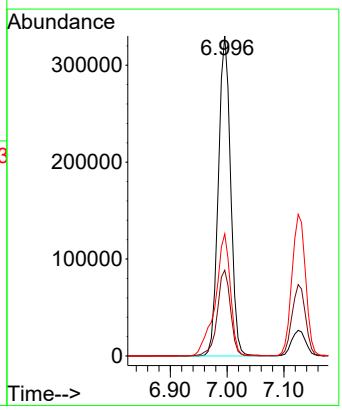
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

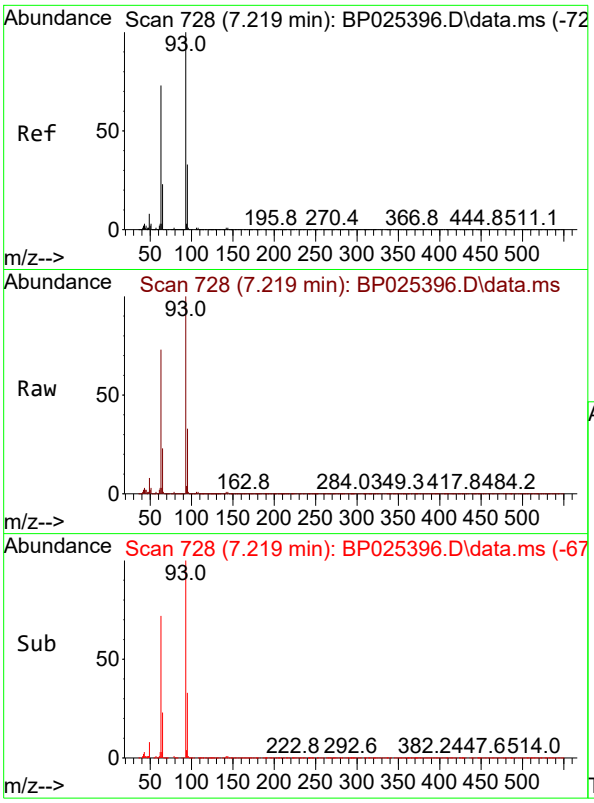


#10
Phenol
Concen: 38.884 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 94 Resp: 496755

Ion	Ratio	Lower	Upper
94	100		
65	26.8	6.8	46.8
66	38.2	18.2	58.2

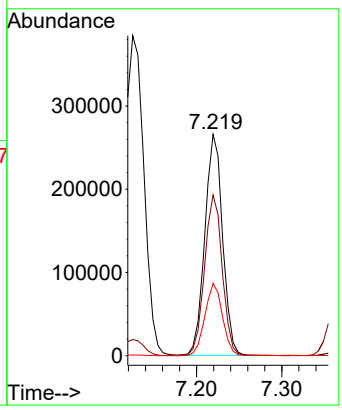




#11
bis(2-Chloroethyl)ether
Concen: 38.698 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 38533

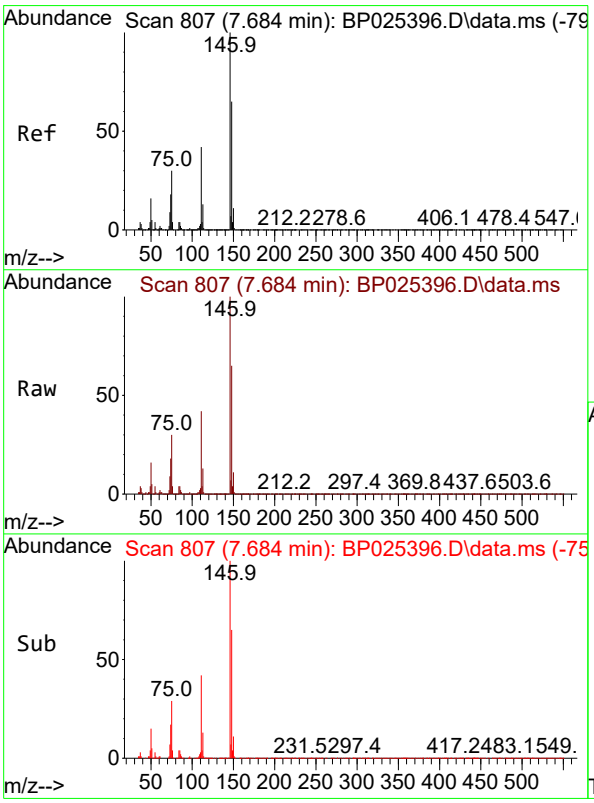
Ion	Ratio	Lower	Upper
93	100		
63	72.6	52.6	92.6
95	32.7	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

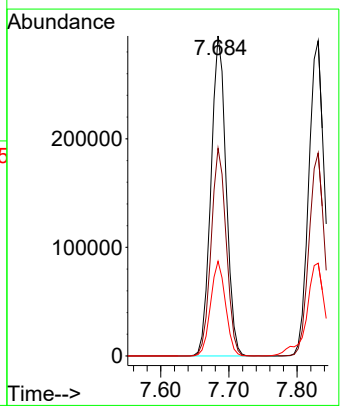
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

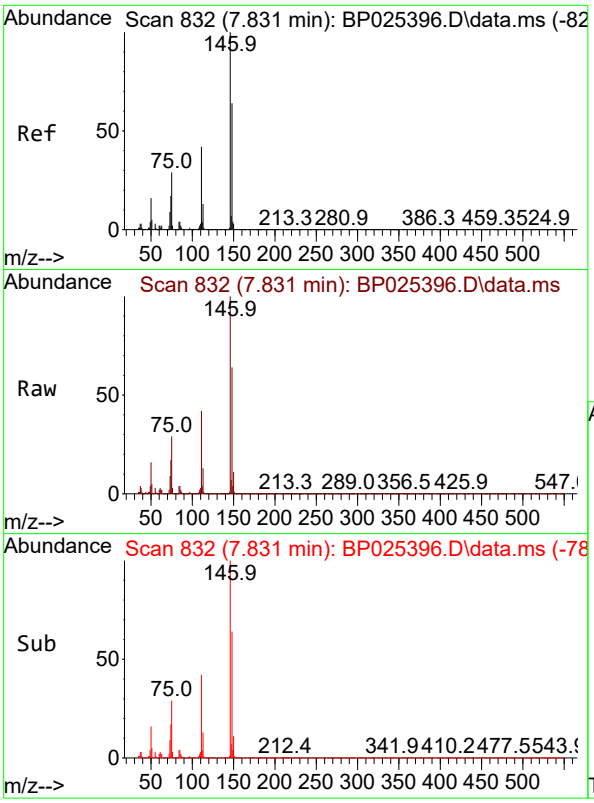


#12
1,3-Dichlorobenzene
Concen: 38.523 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:146 Resp: 455200

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
75	29.6	23.7	35.5

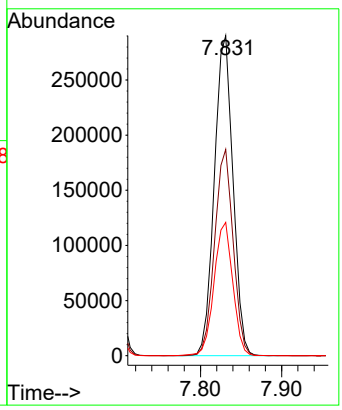




#13
1,4-Dichlorobenzene
Concen: 38.319 ng
RT: 7.831 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:146 Resp: 46280

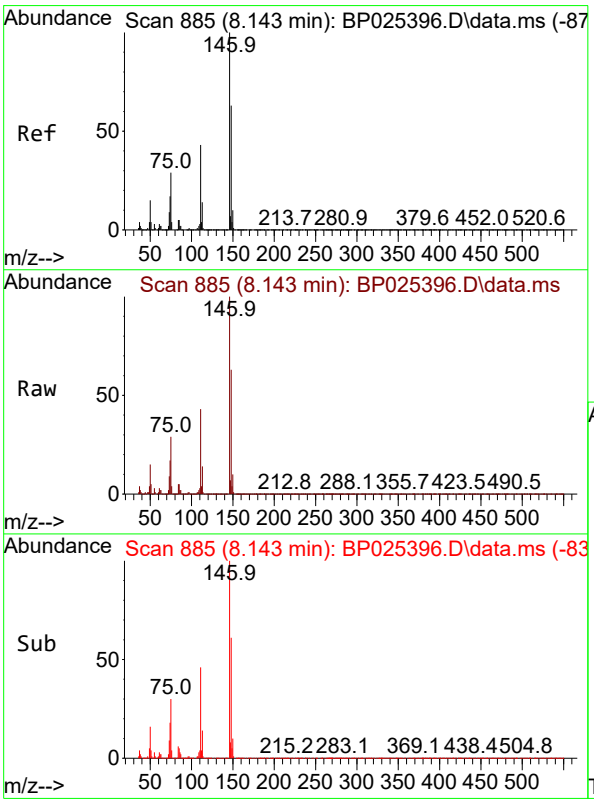
Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
111	41.7	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

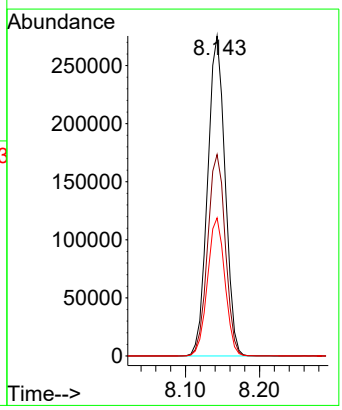
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

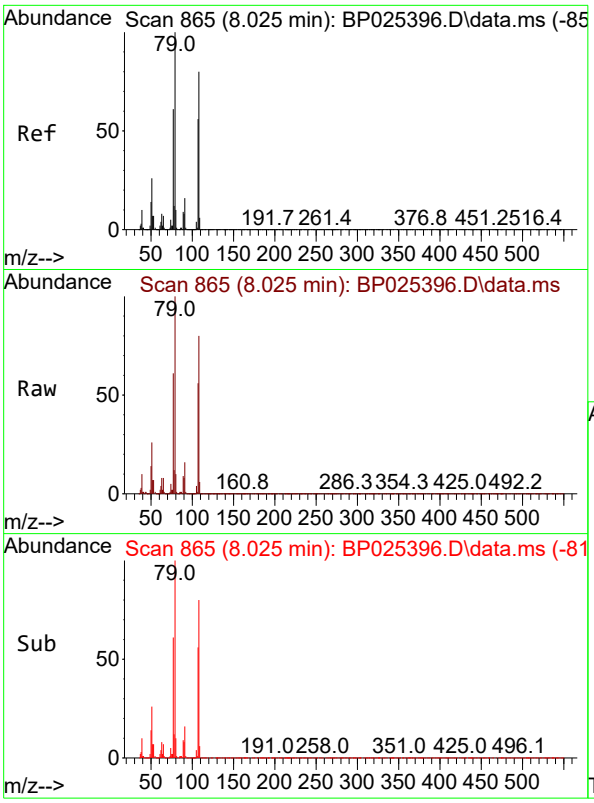


#14
1,2-Dichlorobenzene
Concen: 38.602 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:146 Resp: 451306

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	43.1	34.5	51.7





#15
Benzyl Alcohol
Concen: 38.901 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

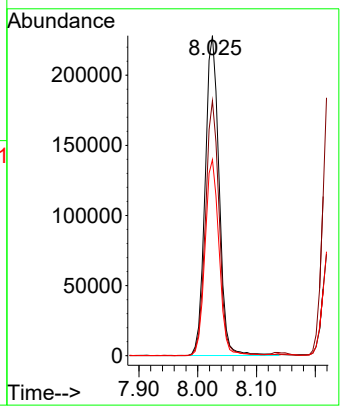
Tgt Ion: 79 Resp: 37632

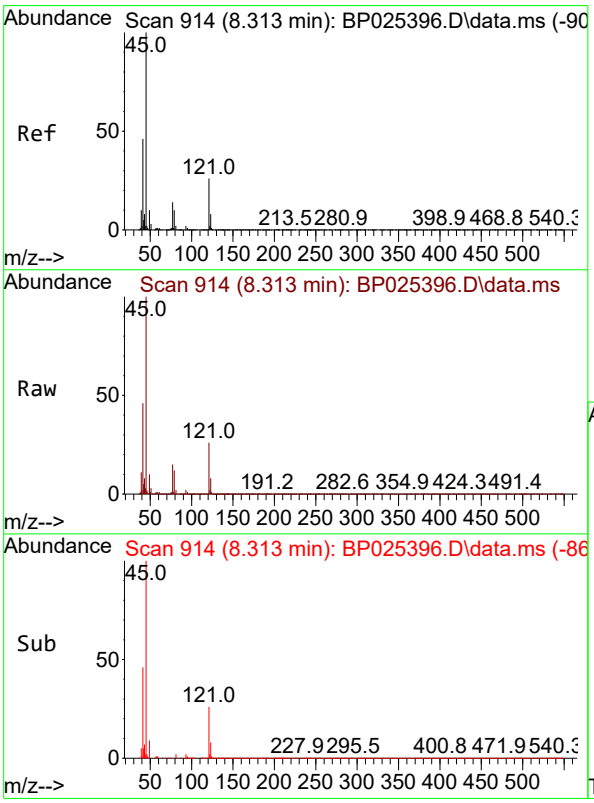
Ion	Ratio	Lower	Upper
79	100		
108	79.7	63.8	95.6
77	61.2	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

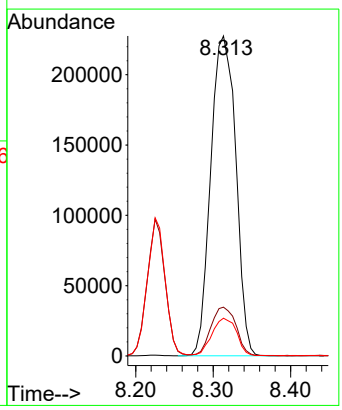


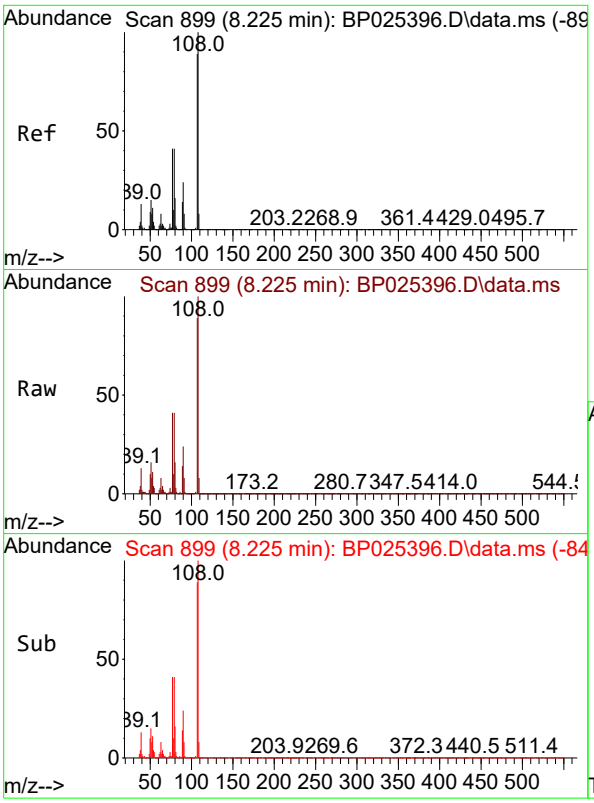


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.308 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 45 Resp: 510991

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	35.3
79	11.8	0.0	31.8

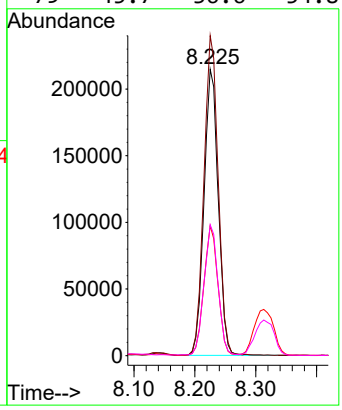




#17
2-Methylphenol
Concen: 39.369 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:107 Resp: 34931

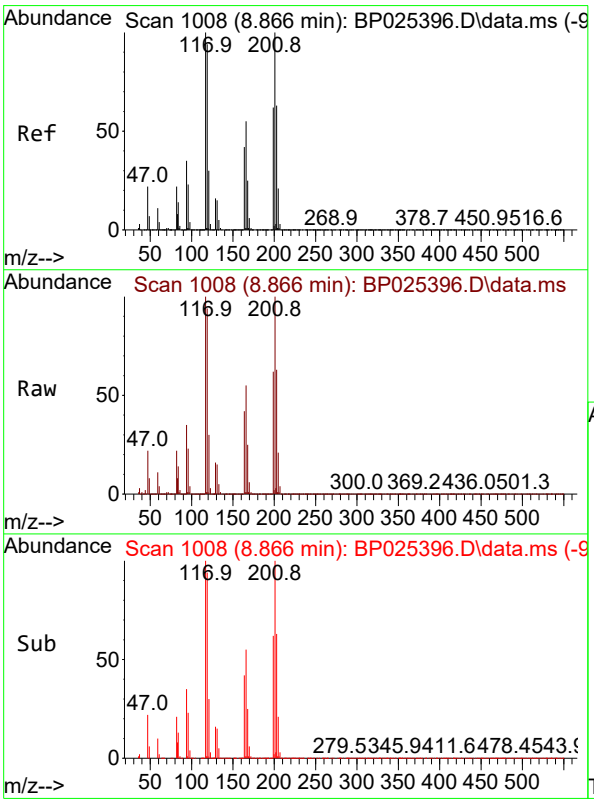
Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.4	134.0
77	45.4	36.3	54.5
79	45.7	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

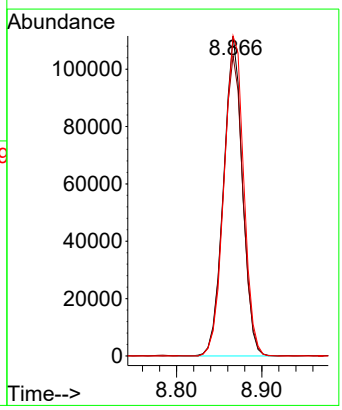
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

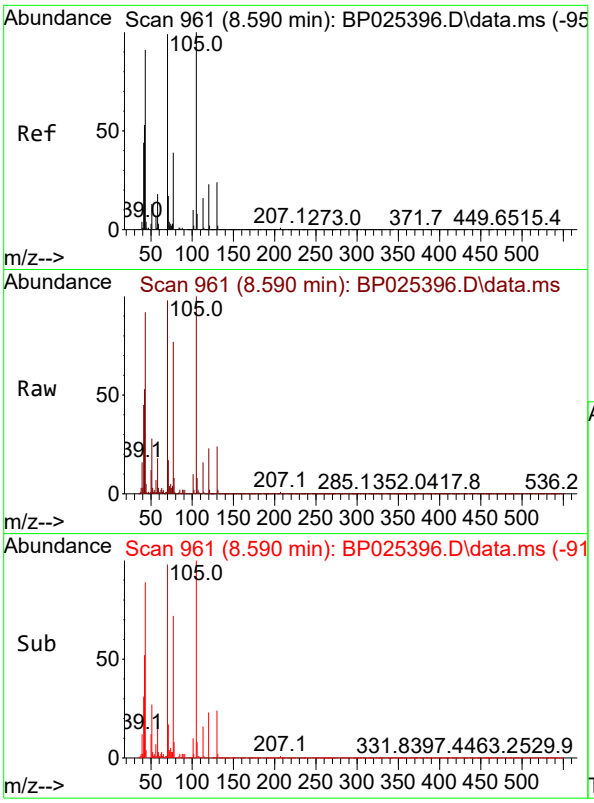


#18
Hexachloroethane
Concen: 38.712 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:117 Resp: 171906

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.1	112.7
201	100.1	80.1	120.1

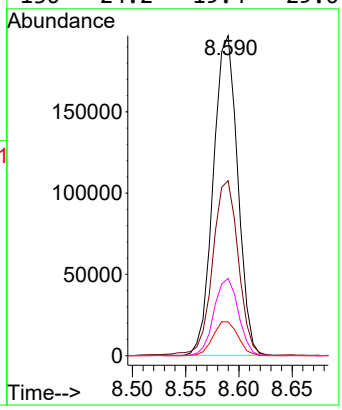




#19
n-Nitroso-di-n-propylamine
Concen: 38.737 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 70 Resp: 31277

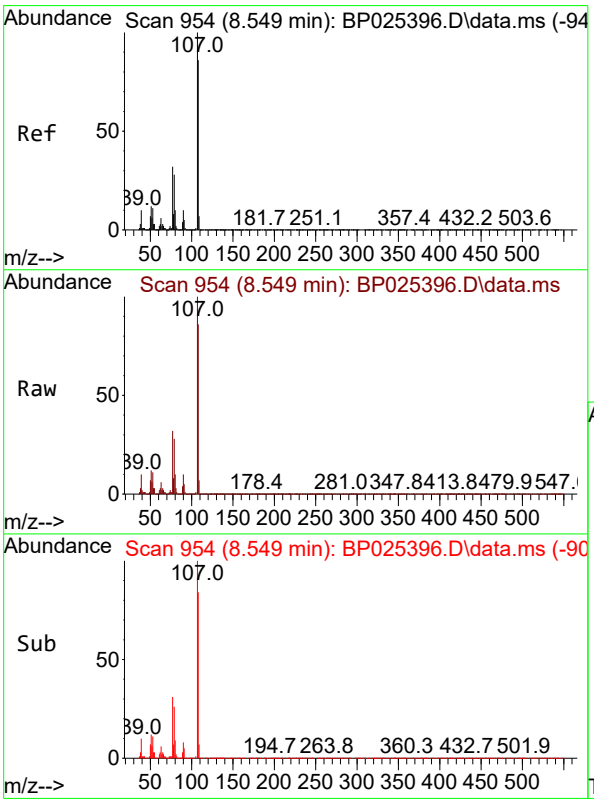
Ion	Ratio	Lower	Upper
70	100		
42	54.7	43.8	65.6
101	10.6	8.5	12.7
130	24.2	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

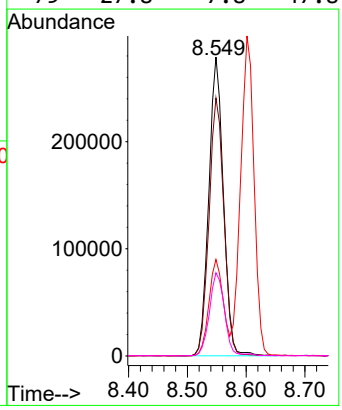
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

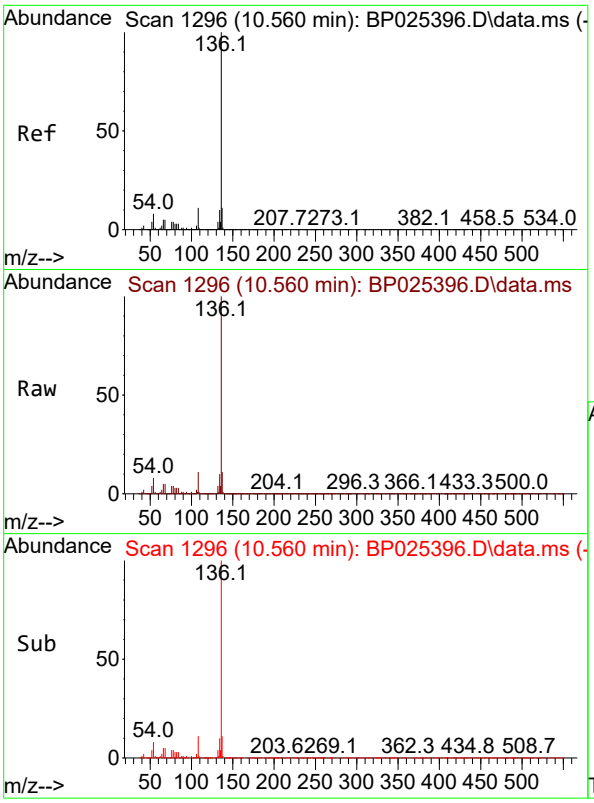


#20
3+4-Methylphenols
Concen: 39.121 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:107 Resp: 481148

Ion	Ratio	Lower	Upper
107	100		
108	86.3	66.3	106.3
77	32.3	12.3	52.3
79	27.8	7.8	47.8

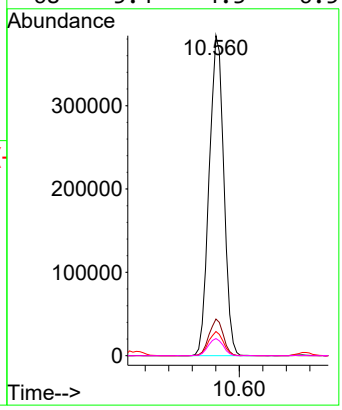




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:136 Resp: 66355

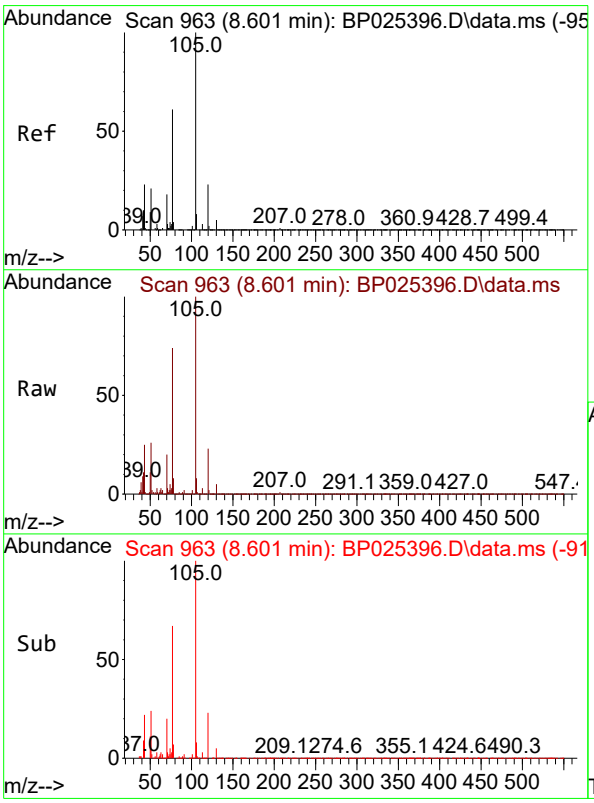
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.5	6.0	9.0
68	5.4	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

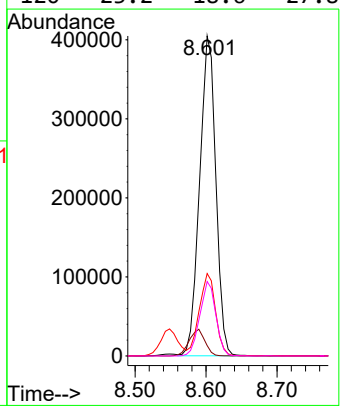
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

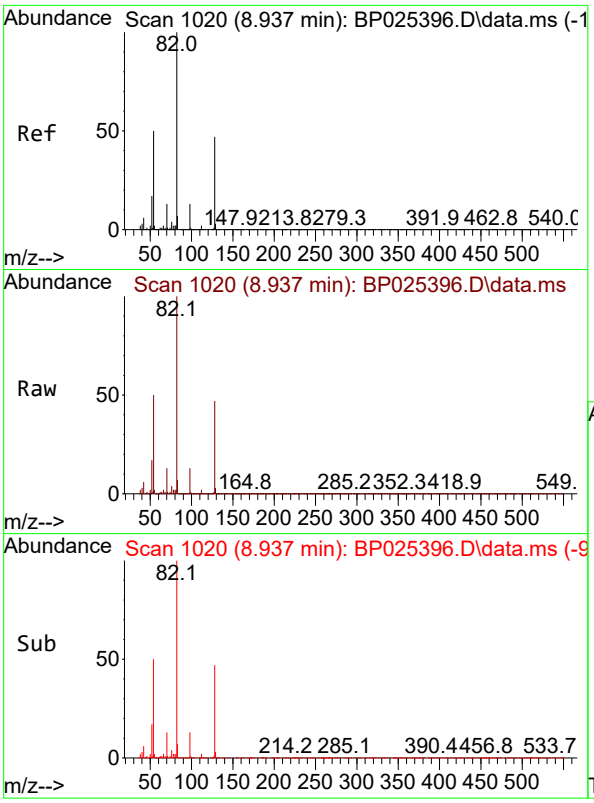


#22
Acetophenone
Concen: 38.708 ng
RT: 8.601 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:105 Resp: 644124

Ion	Ratio	Lower	Upper
105	100		
71	3.3	2.6	4.0
51	25.7	20.6	30.8
120	23.2	18.6	27.8

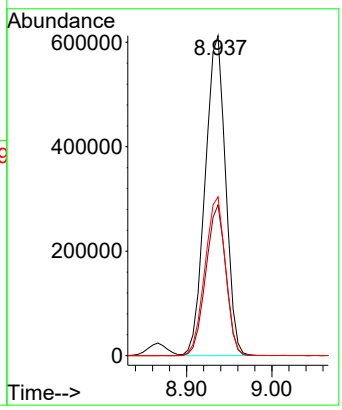




#23
Nitrobenzene-d5
Concen: 77.420 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 82 Resp: 101555

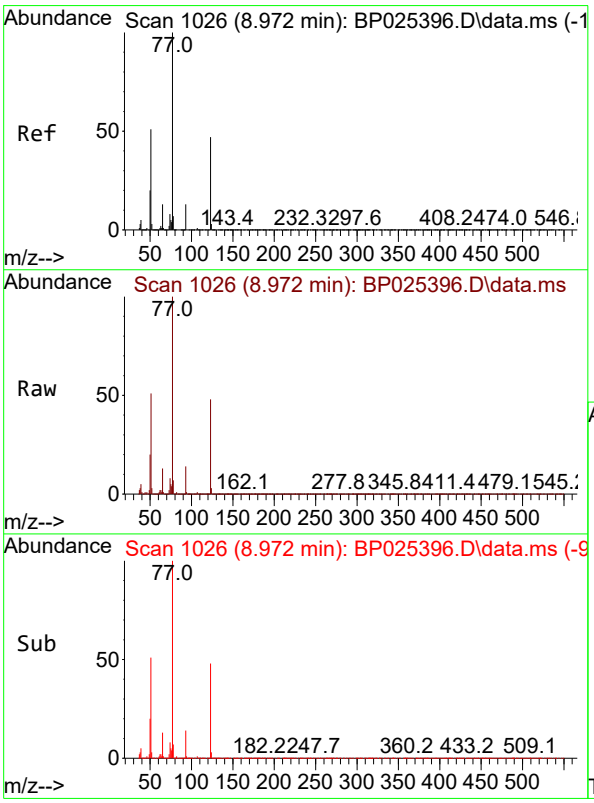
Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	49.7	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

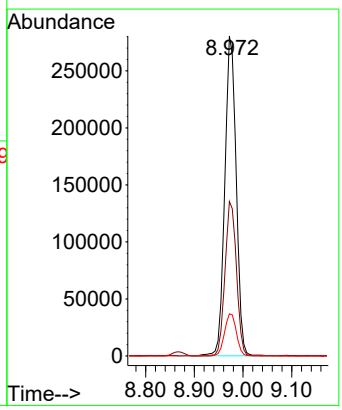
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

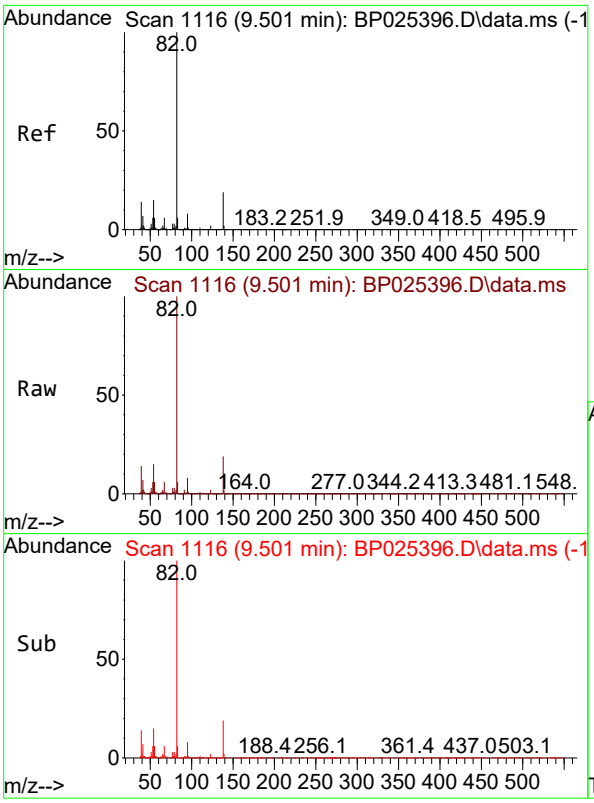


#24
Nitrobenzene
Concen: 38.997 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 77 Resp: 457175

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	58.0
65	13.2	10.6	15.8

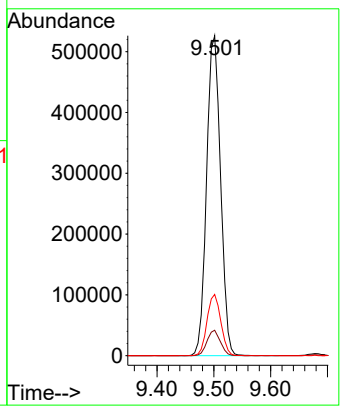




#25
Isophorone
Concen: 38.510 ng
RT: 9.501 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 82 Resp: 89398

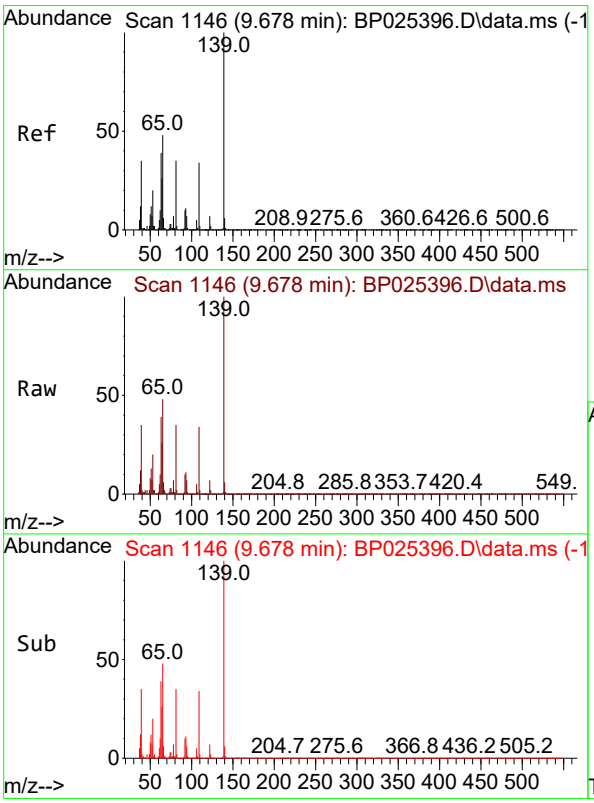
Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	19.2	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

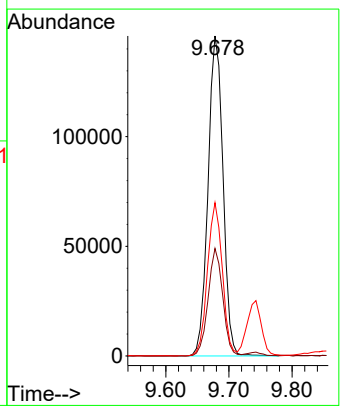
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

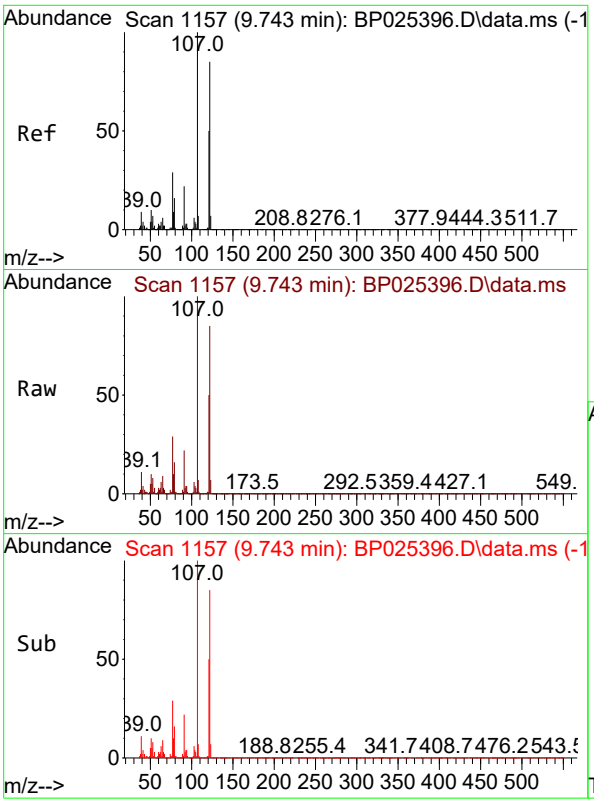


#26
2-Nitrophenol
Concen: 39.837 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:139 Resp: 239675

Ion	Ratio	Lower	Upper
139	100		
109	33.6	26.9	40.3
65	47.9	38.3	57.5

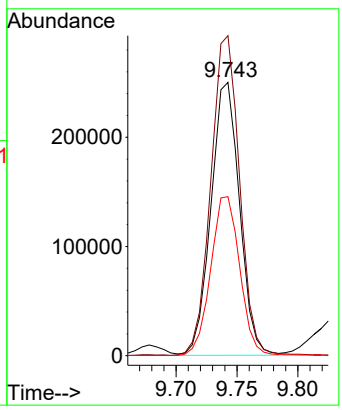




#27
2,4-Dimethylphenol
Concen: 39.489 ng
RT: 9.743 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:122 Resp: 40857

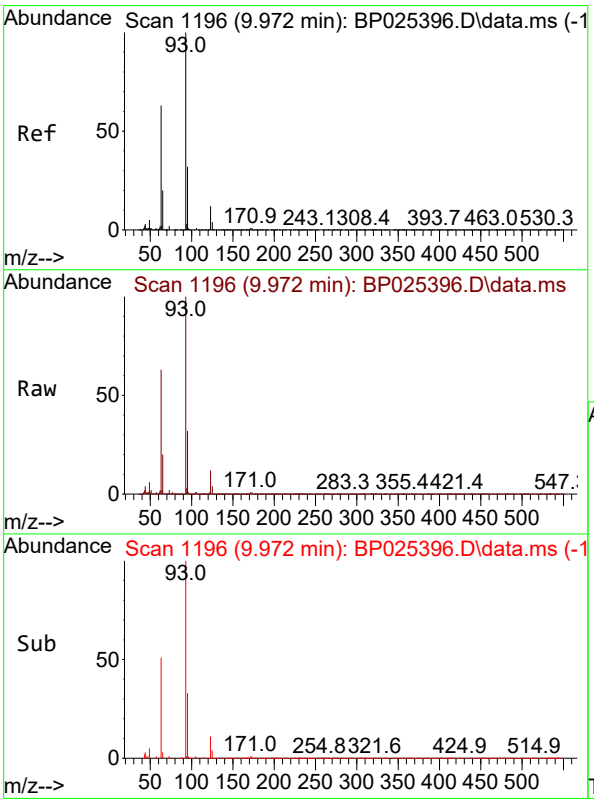
Ion	Ratio	Lower	Upper
122	100		
107	117.1	93.7	140.5
121	58.2	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

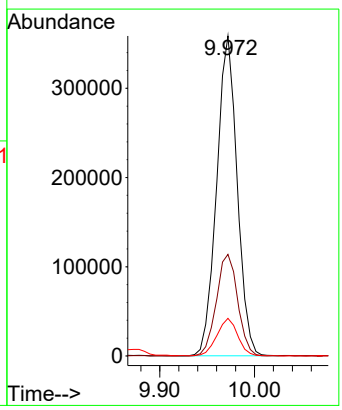
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

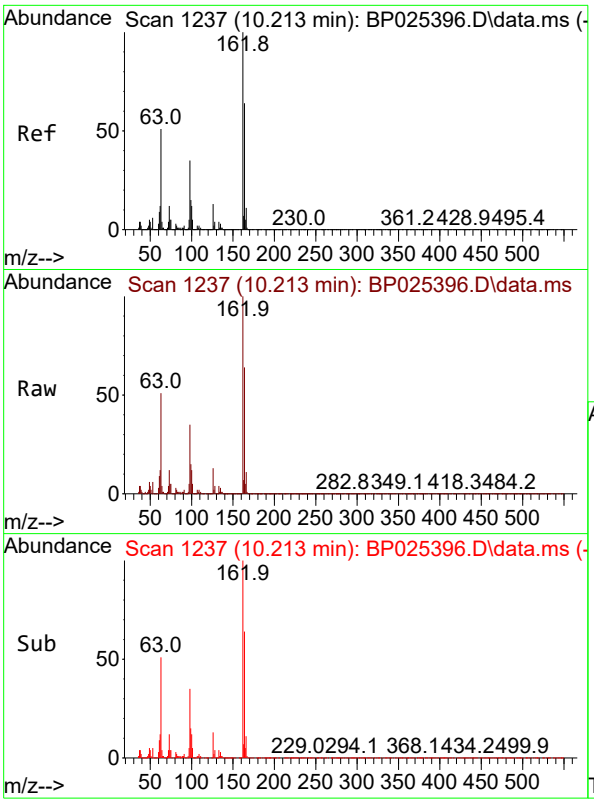


#28
bis(2-Chloroethoxy)methane
Concen: 38.502 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 540282

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.0
123	11.7	9.4	14.0

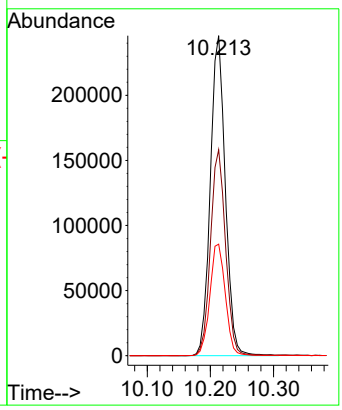




#29
2,4-Dichlorophenol
Concen: 39.427 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:162 Resp: 40523

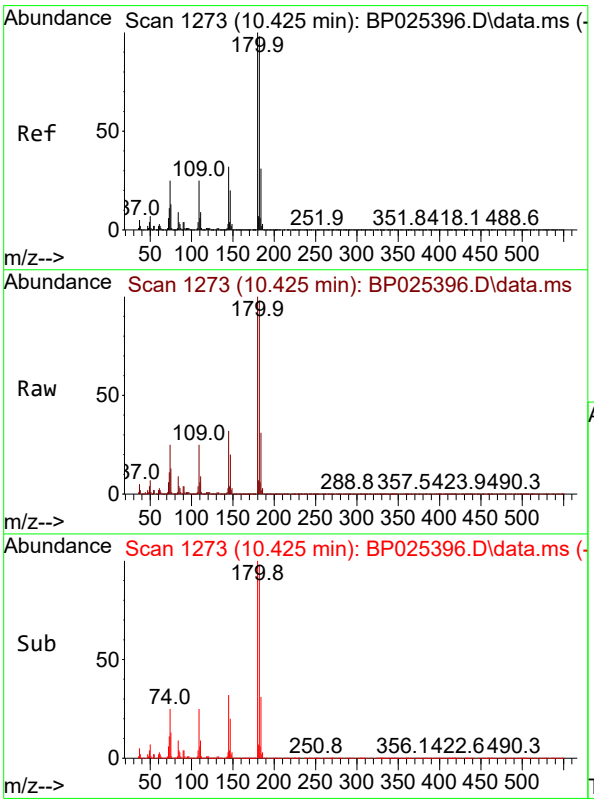
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.4	84.4
98	34.9	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

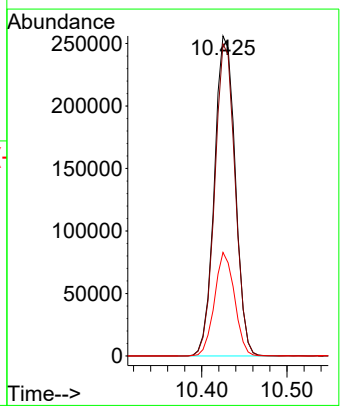
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

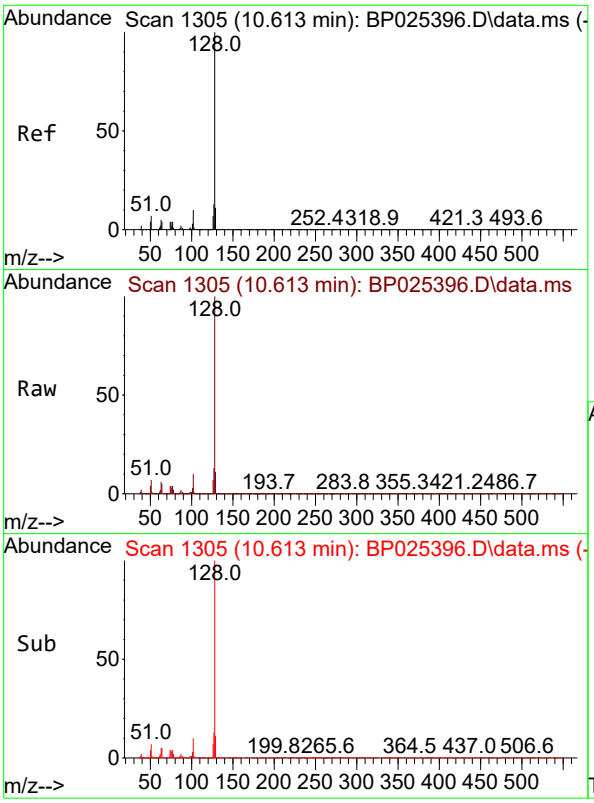


#30
1,2,4-Trichlorobenzene
Concen: 38.529 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:180 Resp: 434105

Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.0	117.0
145	32.4	25.9	38.9

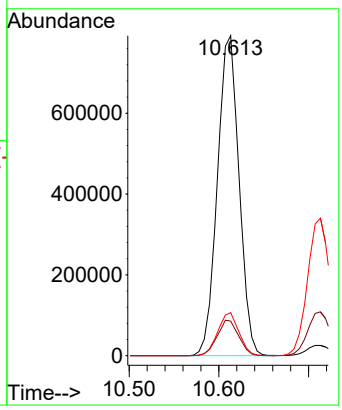




#31
Naphthalene
Concen: 38.472 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:128 Resp: 132683

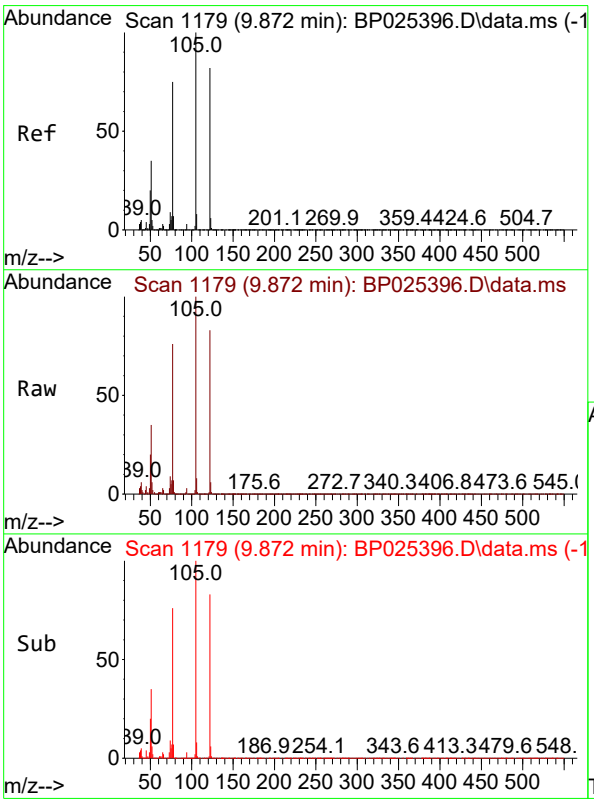
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.4	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

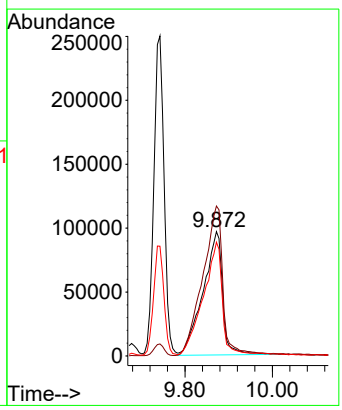
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

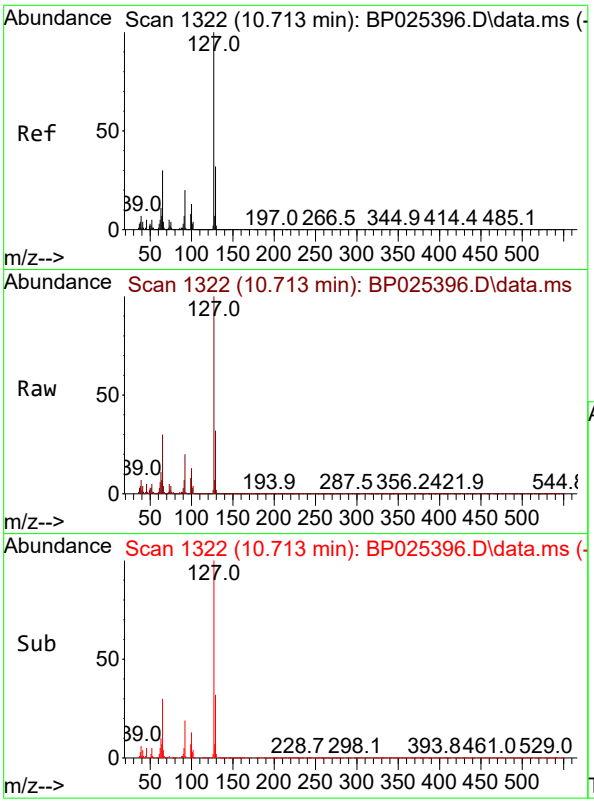


#32
Benzoic acid
Concen: 39.537 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:122 Resp: 301281

Ion	Ratio	Lower	Upper
122	100		
105	120.6	100.6	140.6
77	91.5	71.5	111.5

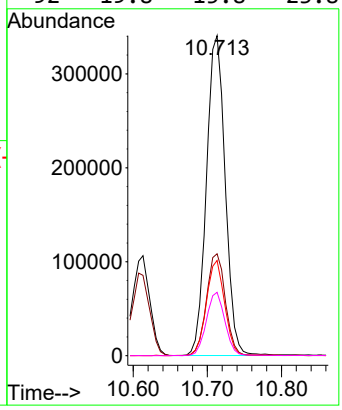




#33
4-Chloroaniline
Concen: 39.350 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:127 Resp: 59946

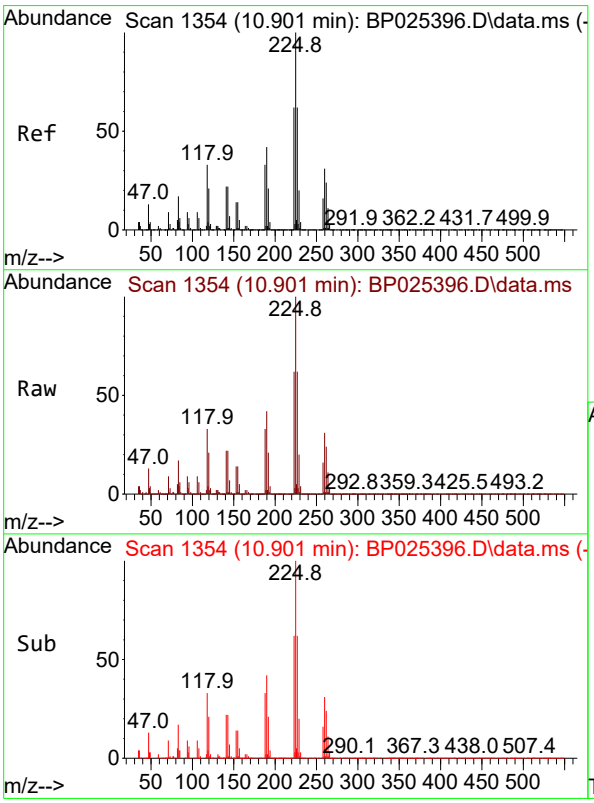
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.2
65	29.7	23.8	35.6
92	19.8	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

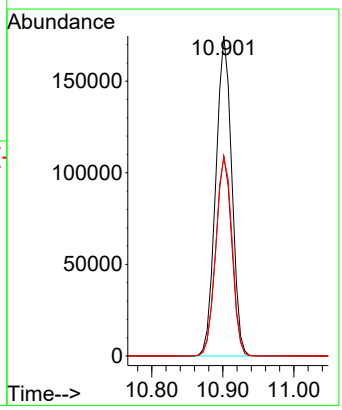
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

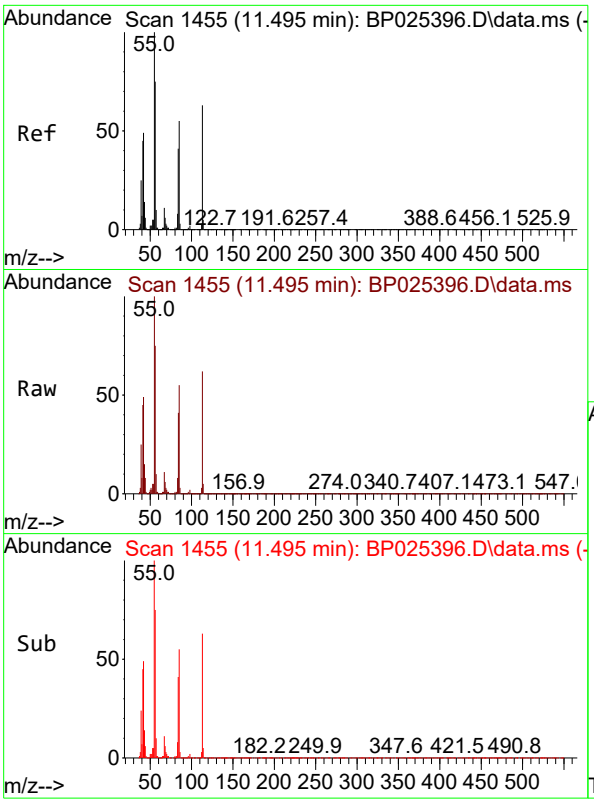


#34
Hexachlorobutadiene
Concen: 38.700 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:225 Resp: 271549

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	62.1	49.7	74.5

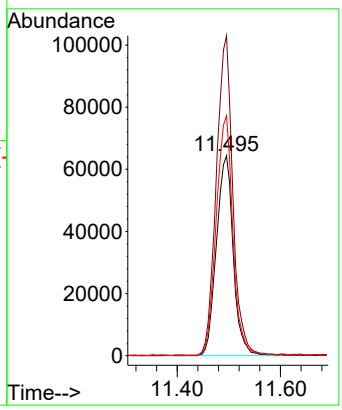




#35
Caprolactam
Concen: 38.520 ng
RT: 11.495 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:113 Resp: 14517

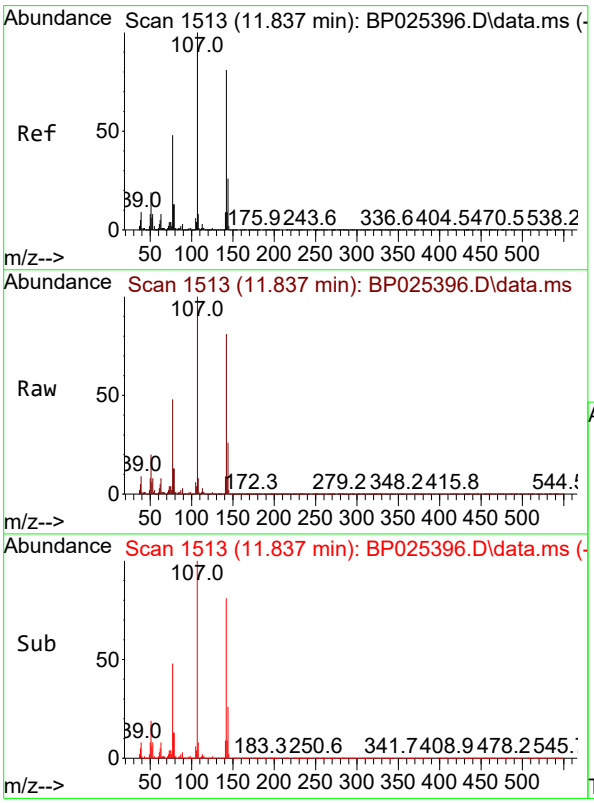
Ion	Ratio	Lower	Upper
113	100		
55	160.0	140.0	180.0
56	120.0	100.0	140.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

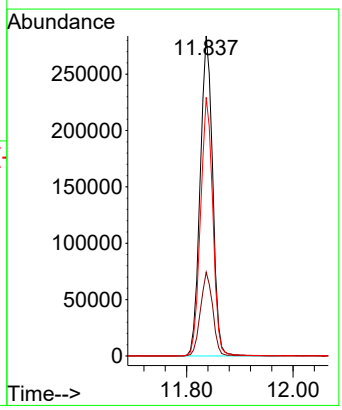
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

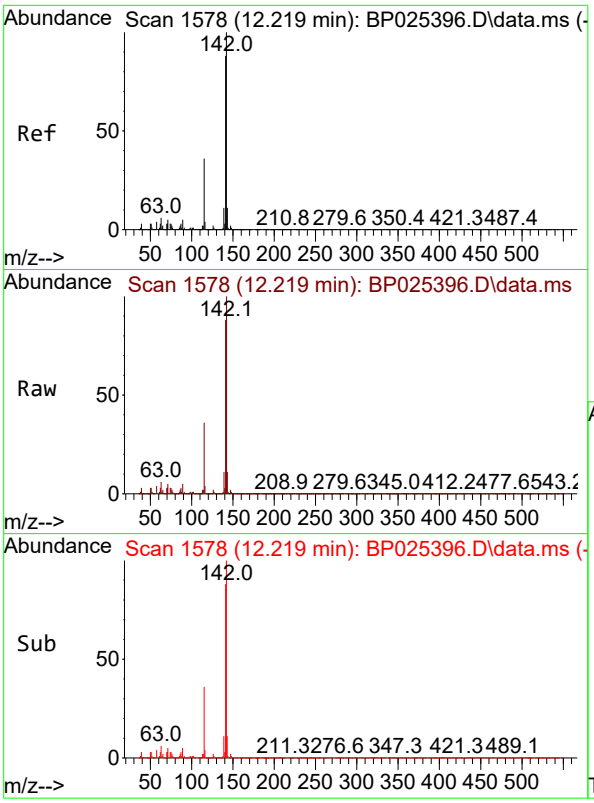


#36
4-Chloro-3-methylphenol
Concen: 38.959 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:107 Resp: 459473

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.0	31.4
142	80.8	64.6	97.0

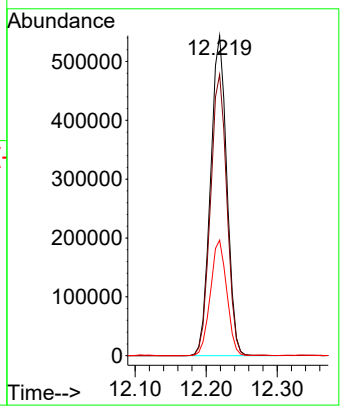




#37
2-Methylnaphthalene
Concen: 38.559 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:142 Resp: 86542

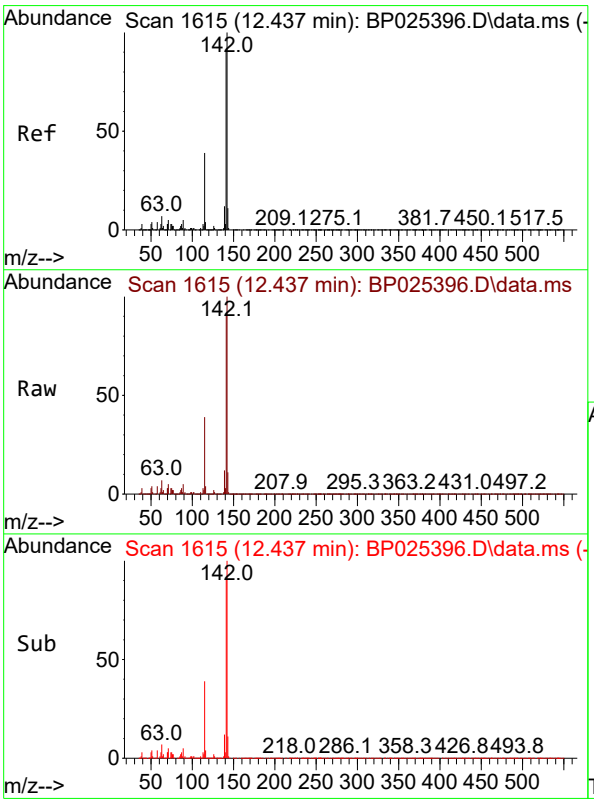
Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5
115	36.1	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

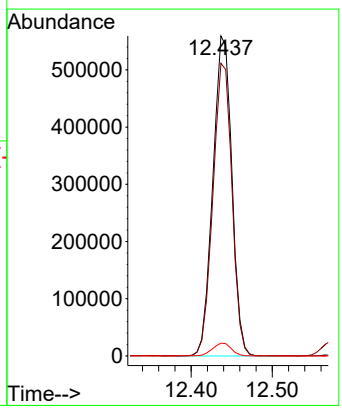
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

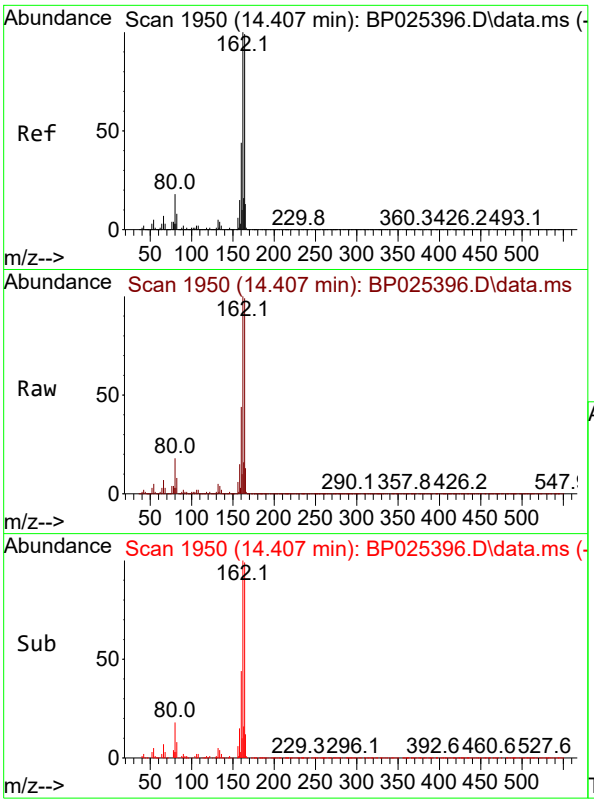


#38
1-Methylnaphthalene
Concen: 38.120 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:142 Resp: 909865

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7
116	4.0	3.2	4.8

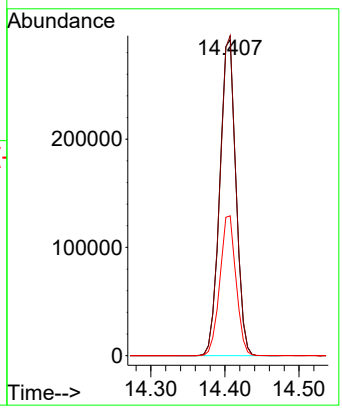




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:164 Resp: 44111

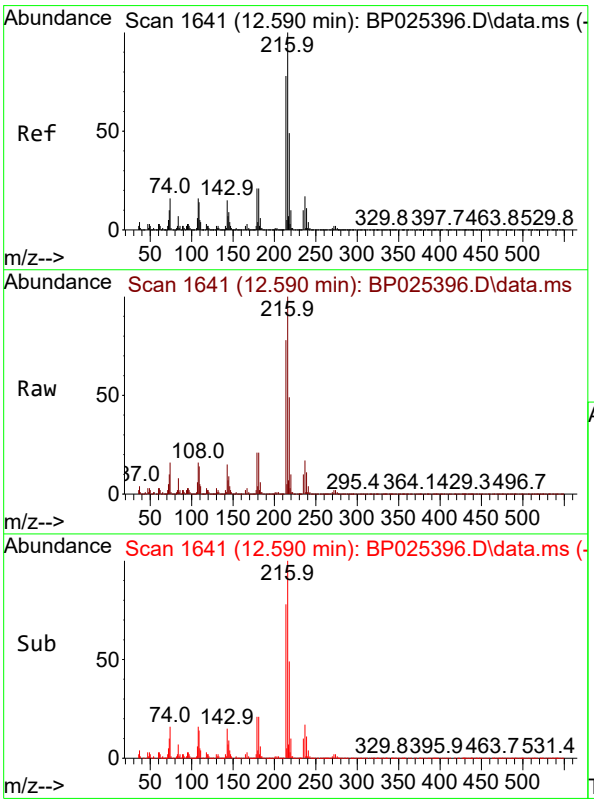
Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.0	121.6
160	44.3	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

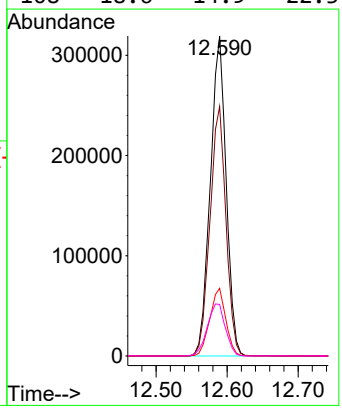
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

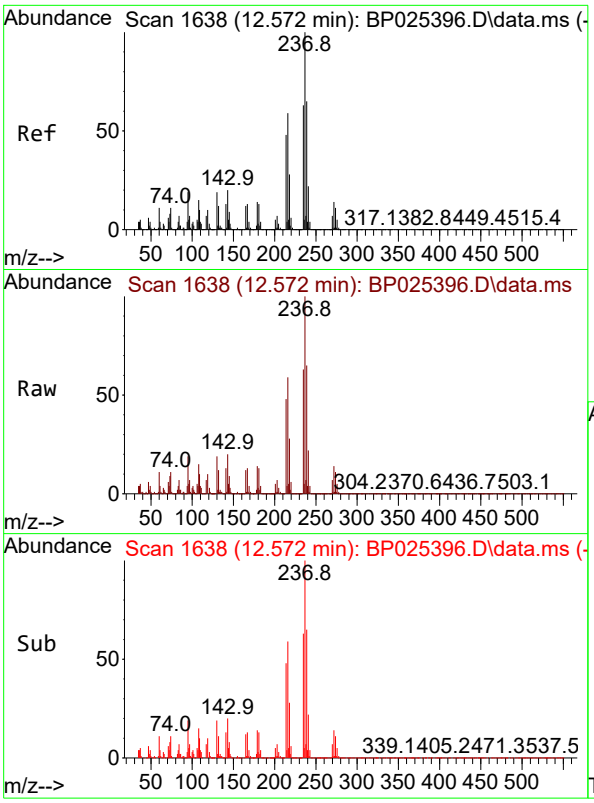


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.787 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:216 Resp: 494141

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	21.4	17.1	25.7
108	18.6	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 39.896 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

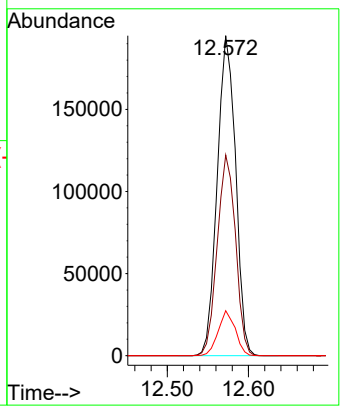
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

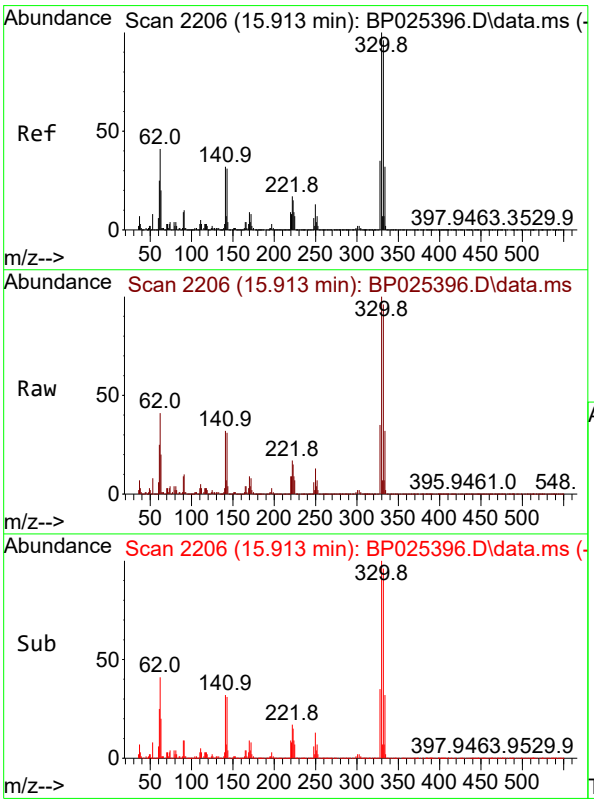
Tgt Ion:237 Resp: 30701

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.7	82.7
272	14.0	0.0	34.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

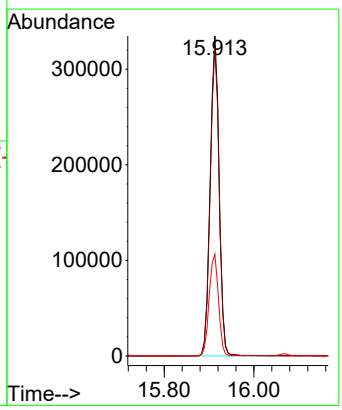


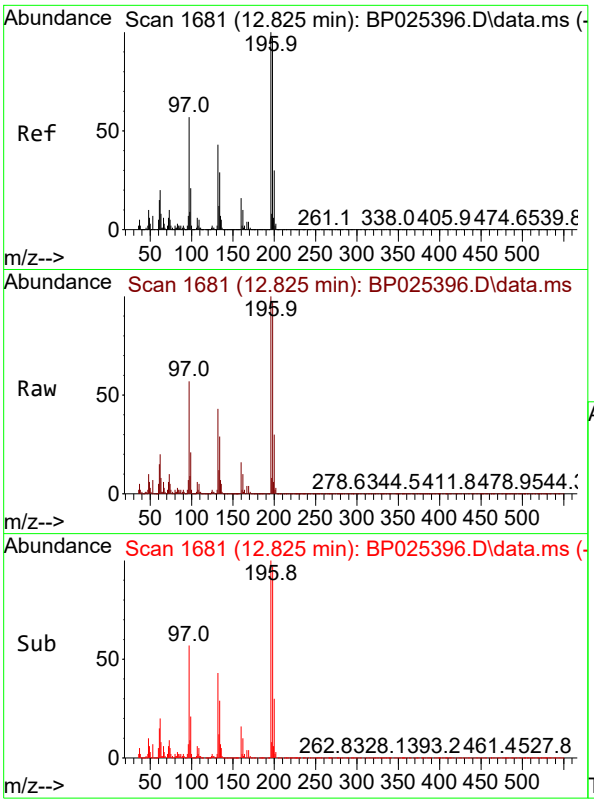


#42
2,4,6-Tribromophenol
Concen: 78.112 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:330 Resp: 463783

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	33.2	26.6	39.8





#43
2,4,6-Trichlorophenol
Concen: 39.201 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

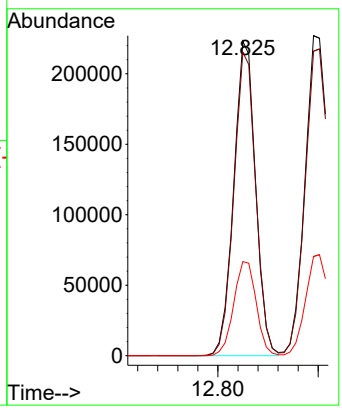
Tgt Ion:196 Resp: 33715

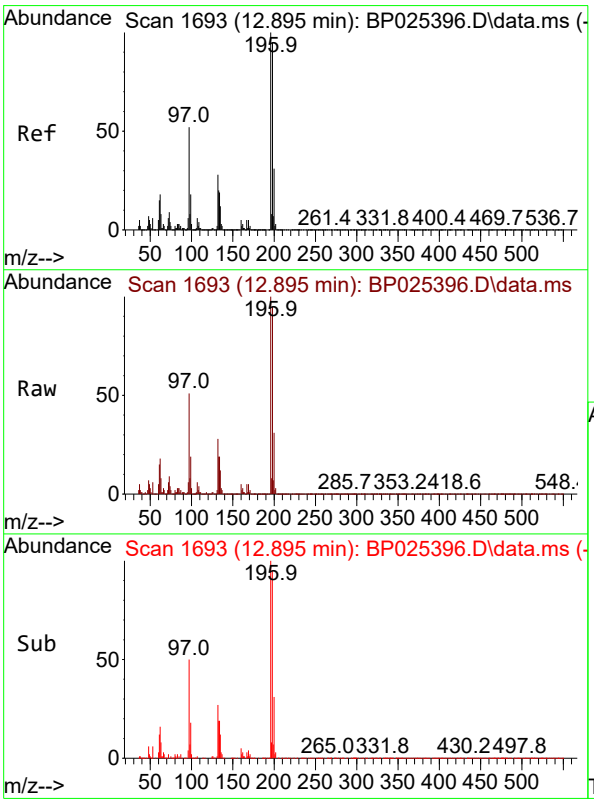
Ion	Ratio	Lower	Upper
196	100		
198	96.5	77.2	115.8
200	29.9	23.9	35.9

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

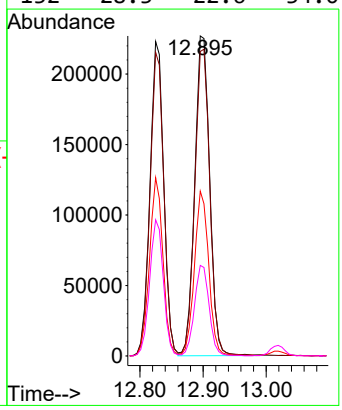


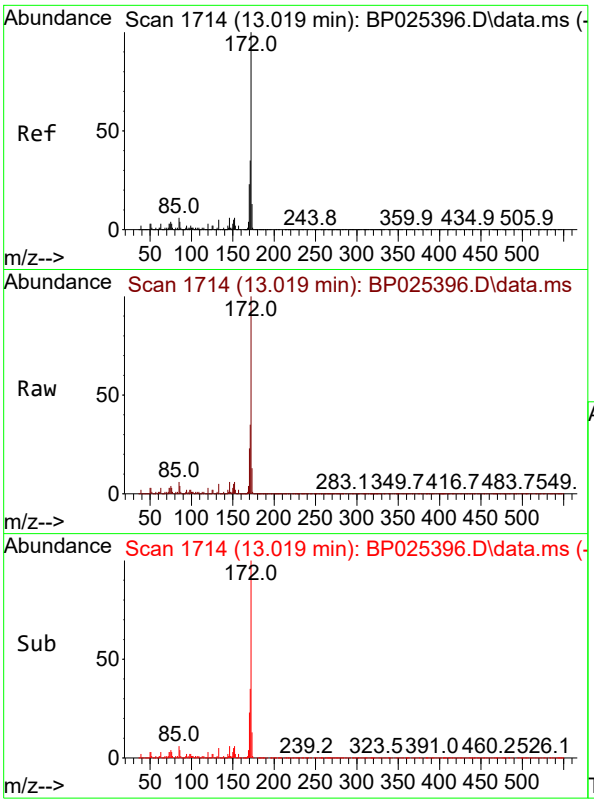


#44
2,4,5-Trichlorophenol
Concen: 39.664 ng
RT: 12.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:196 Resp: 373880

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
97	51.5	41.2	61.8
132	28.3	22.6	34.0

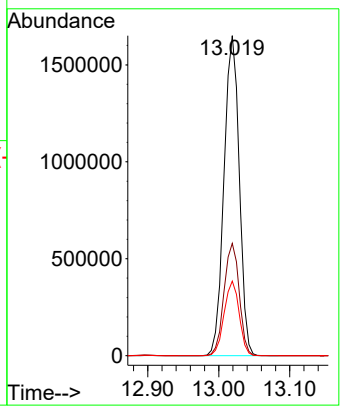




#45
2-Fluorobiphenyl
Concen: 76.118 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:172 Resp: 245678

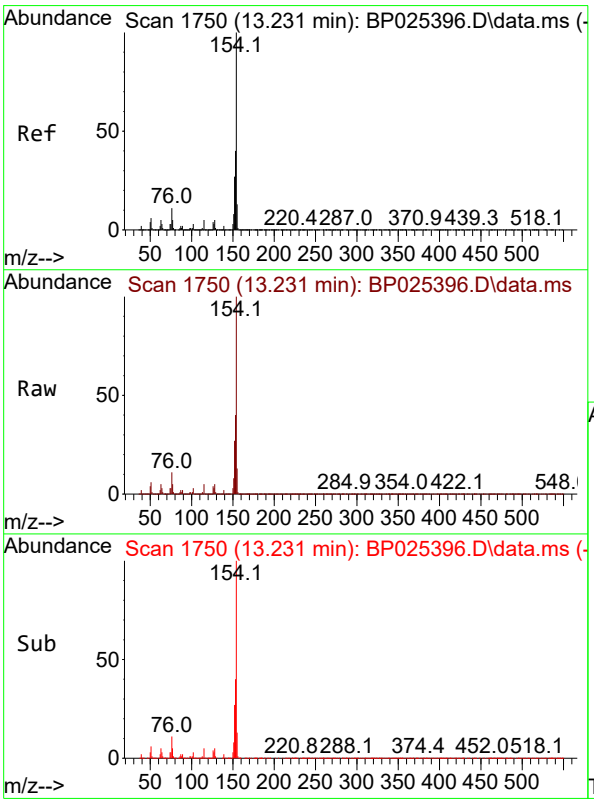
Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.3	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

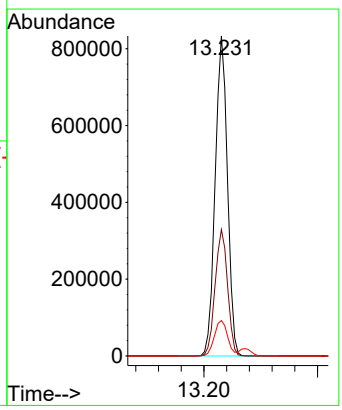
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

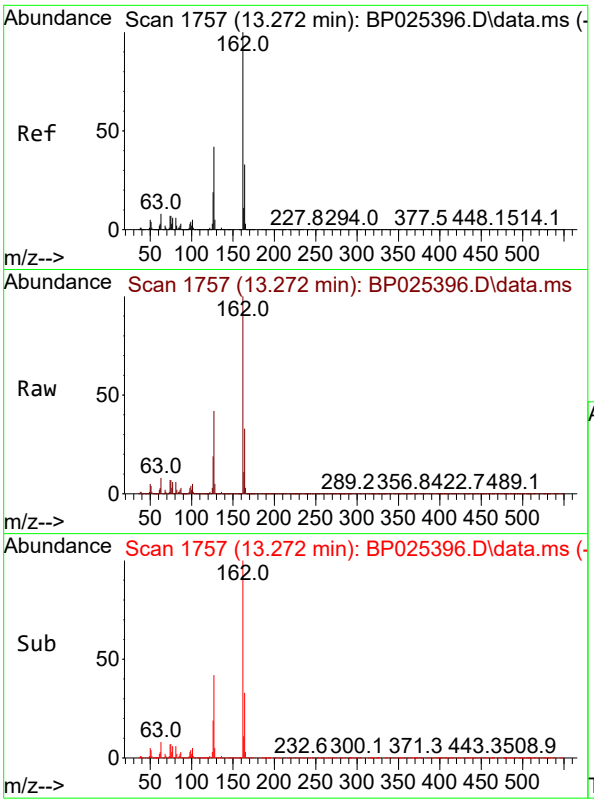


#46
1,1'-Biphenyl
Concen: 38.777 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:154 Resp: 1242247

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.5	59.5
76	11.1	0.0	31.1

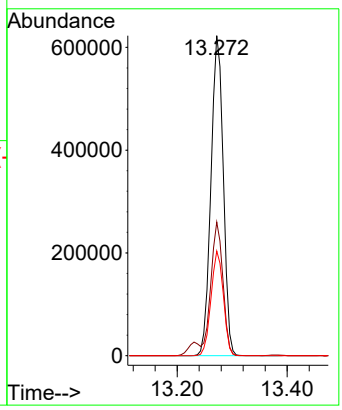




#47
2-Chloronaphthalene
Concen: 38.930 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:162 Resp: 97090

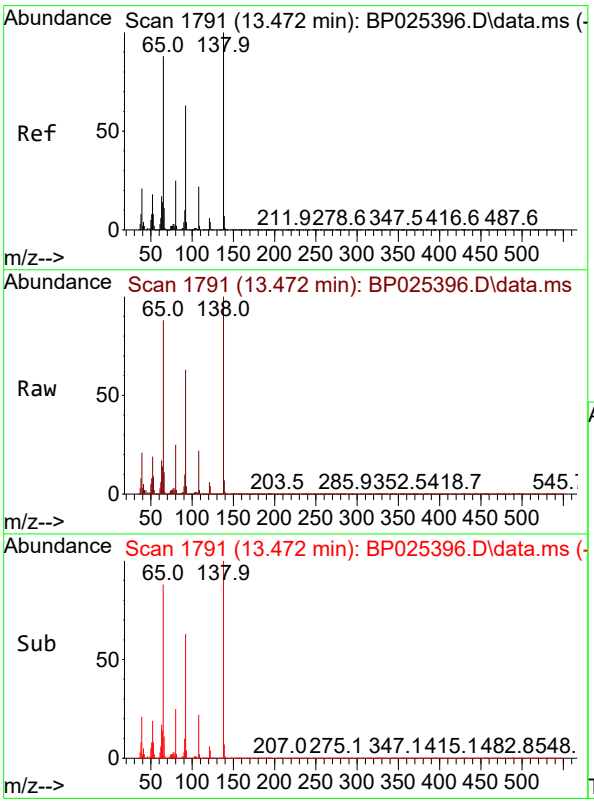
Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.4	50.2
164	32.7	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

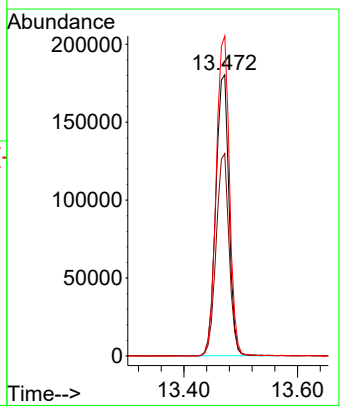
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

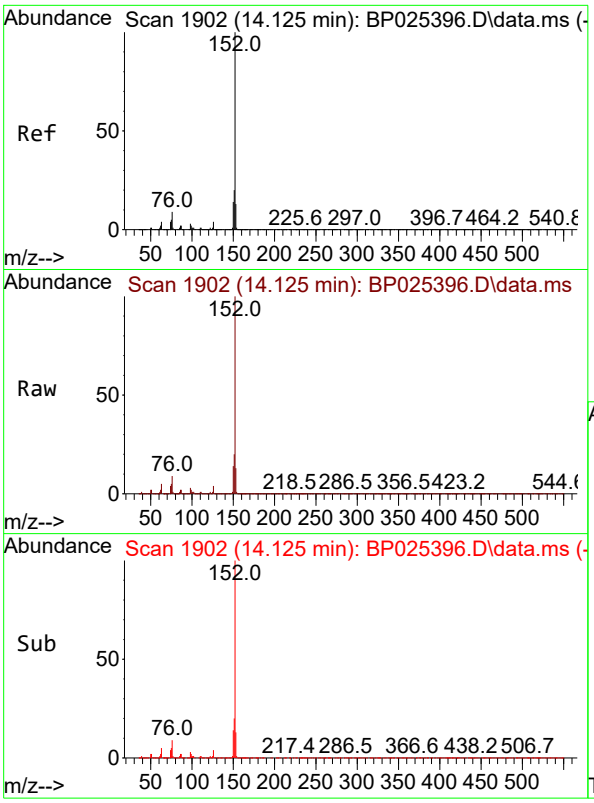


#48
2-Nitroaniline
Concen: 40.092 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 65 Resp: 291341

Ion	Ratio	Lower	Upper
65	100		
92	72.0	57.6	86.4
138	113.8	91.0	136.6

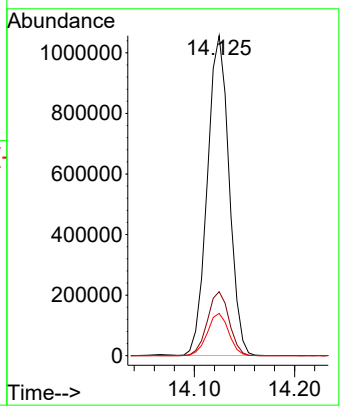




#49
Acenaphthylene
Concen: 38.617 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:152 Resp: 159363

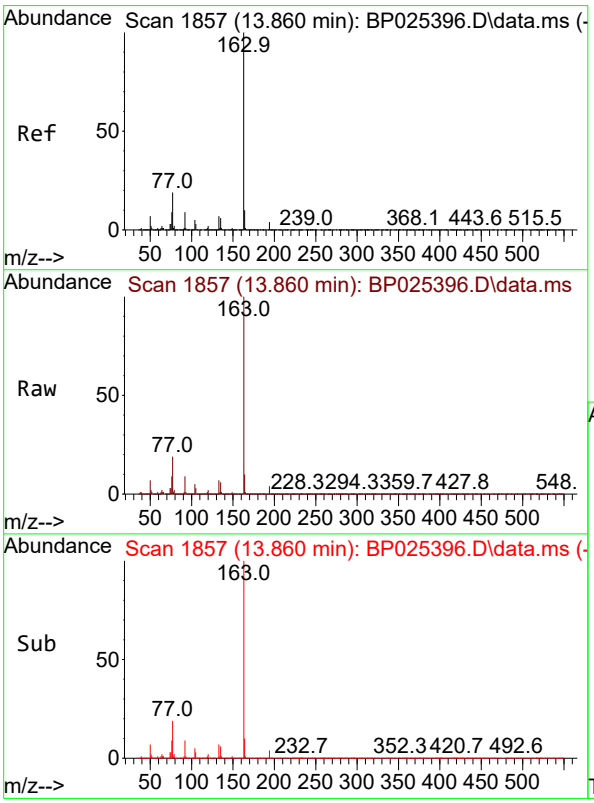
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

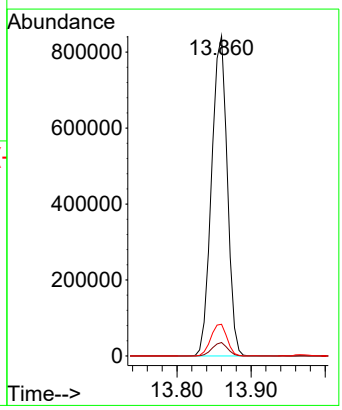
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

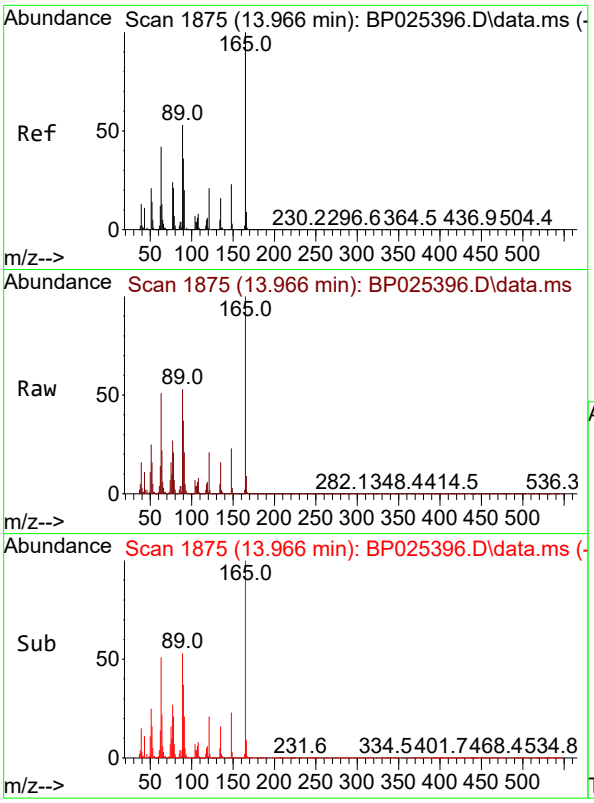


#50
Dimethylphthalate
Concen: 38.316 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:163 Resp: 1237666

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.9	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 40.061 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

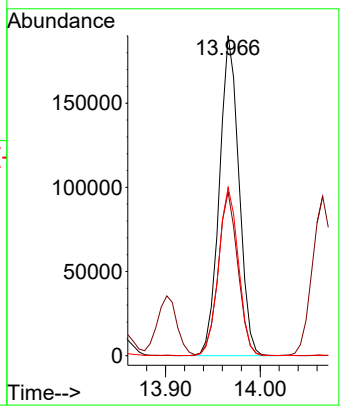
Tgt Ion:165 Resp: 27275

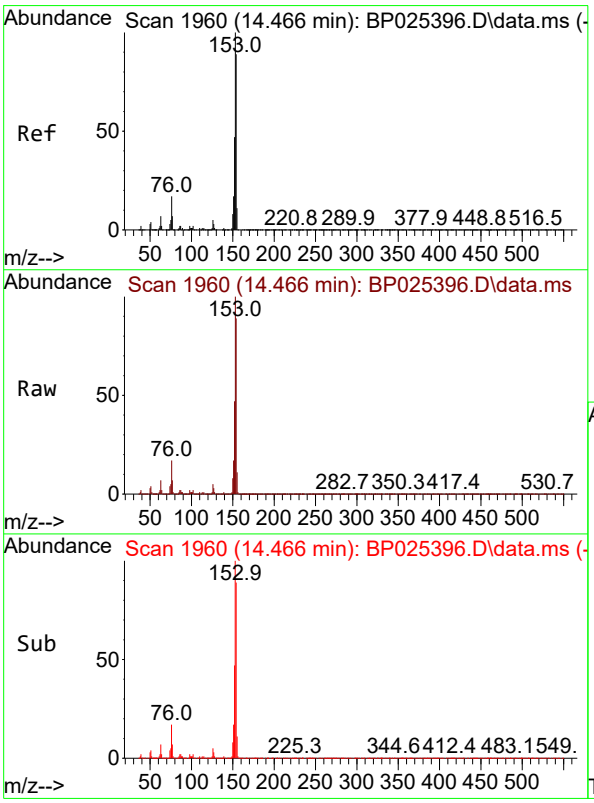
Ion	Ratio	Lower	Upper
165	100		
63	51.1	40.9	61.3
89	52.6	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

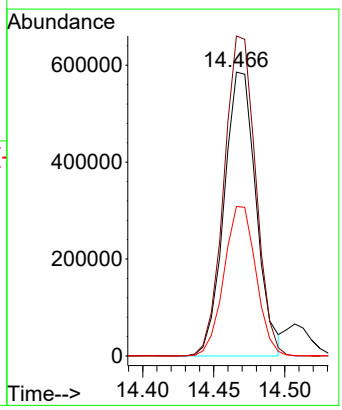


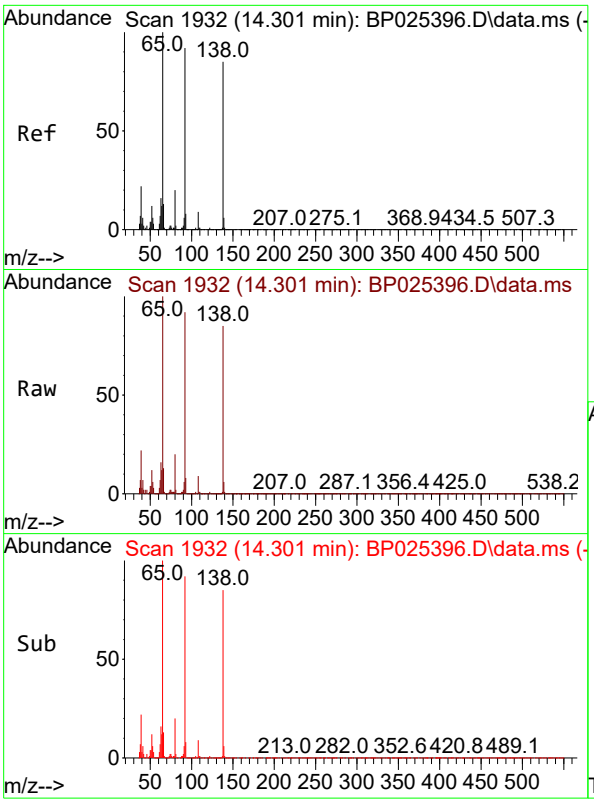


#52
Acenaphthene
Concen: 37.921 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:154 Resp: 918569

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.2	135.2
152	52.6	42.1	63.1





#53
3-Nitroaniline
Concen: 39.349 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

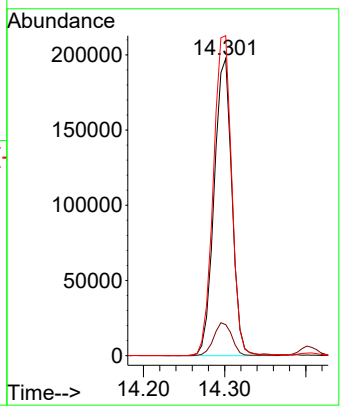
Tgt Ion:138 Resp: 30141

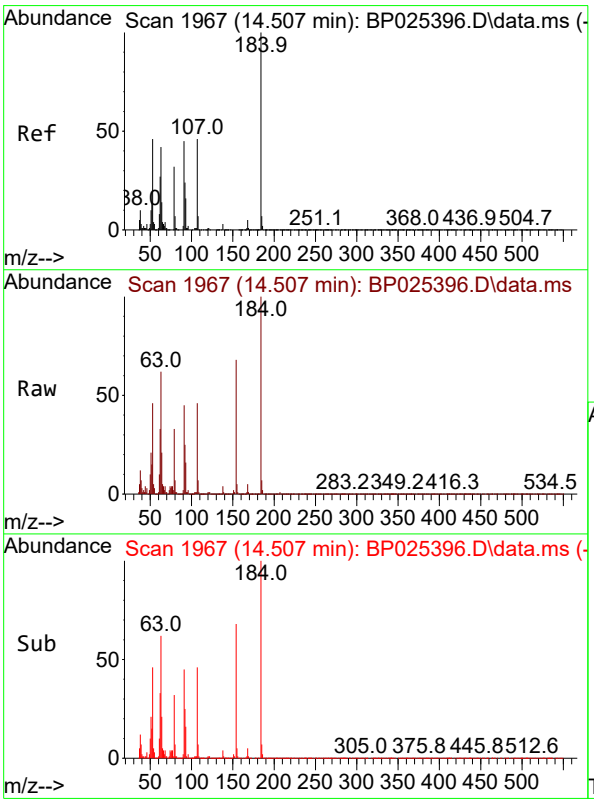
Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	107.7	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

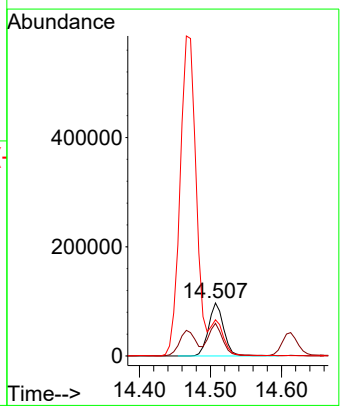


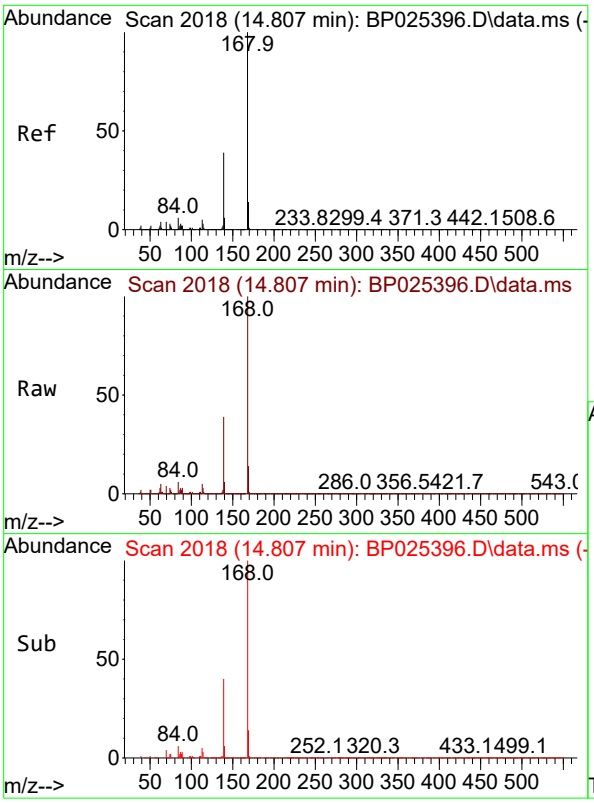


#54
2,4-Dinitrophenol
Concen: 39.633 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:184 Resp: 144100

Ion	Ratio	Lower	Upper
184	100		
63	61.8	49.4	74.2
154	68.3	54.6	82.0

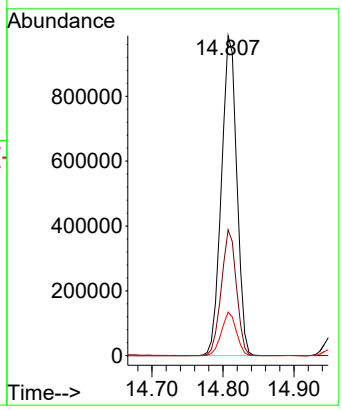




#55
Dibenzofuran
Concen: 38.624 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:168 Resp: 147922

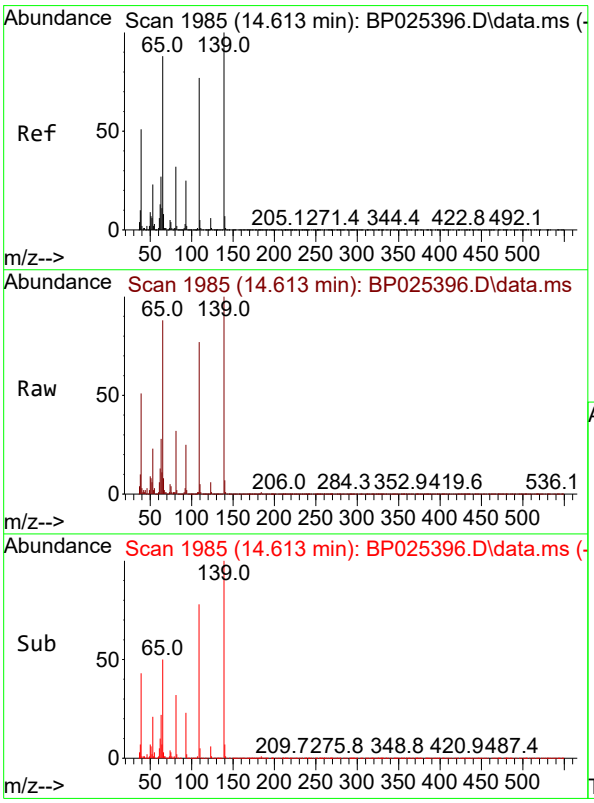
Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.5	47.3
169	13.6	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

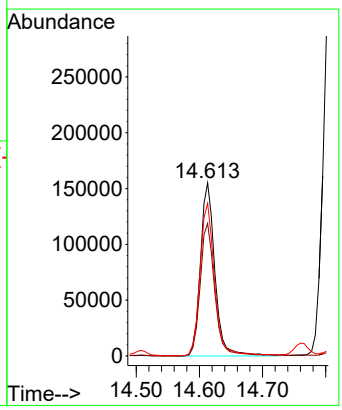
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

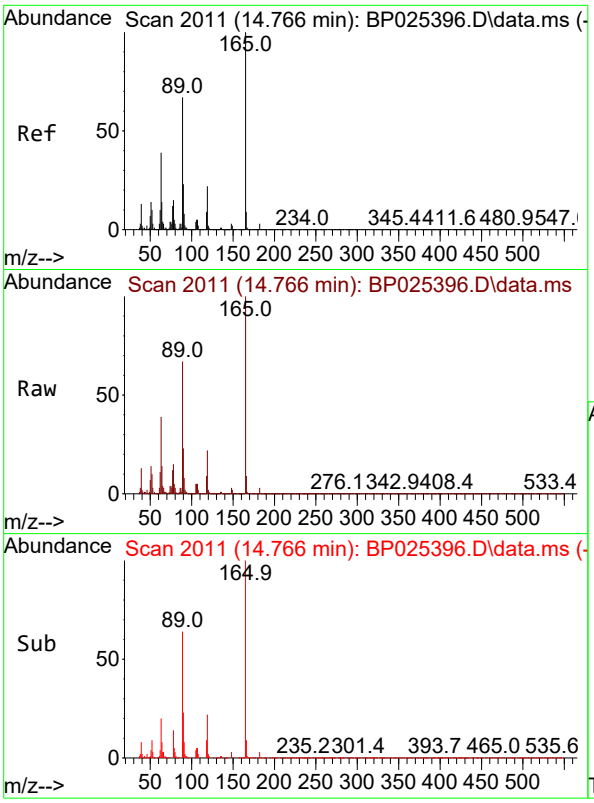


#56
4-Nitrophenol
Concen: 39.168 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:139 Resp: 246542

Ion	Ratio	Lower	Upper
139	100		
109	76.6	56.6	96.6
65	88.2	68.2	108.2

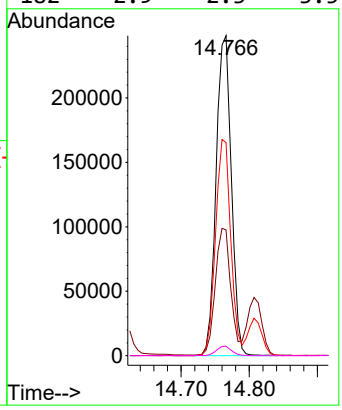




#57
2,4-Dinitrotoluene
Concen: 39.757 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:165 Resp: 38618

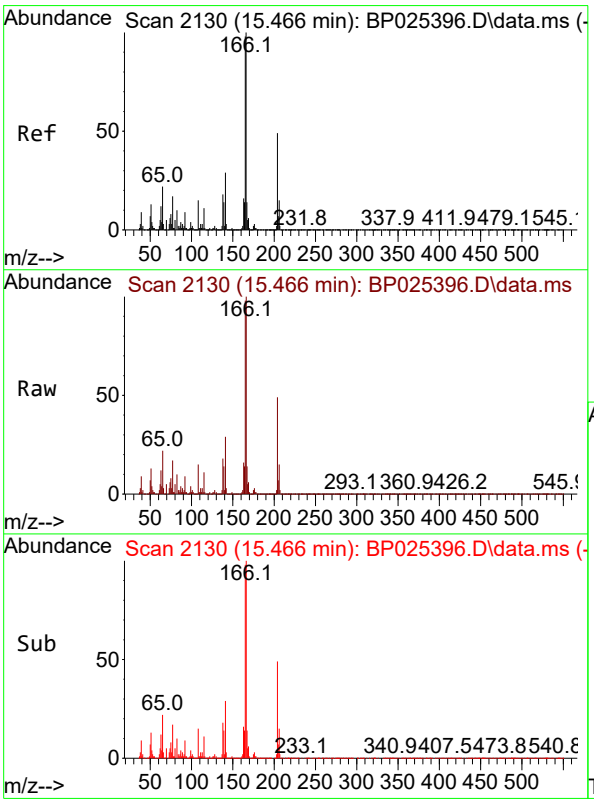
Ion	Ratio	Lower	Upper
165	100		
63	39.3	31.4	47.2
89	66.6	53.3	79.9
182	2.9	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

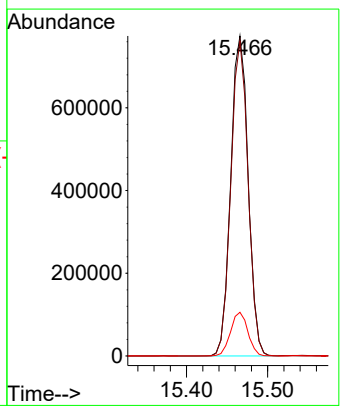
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

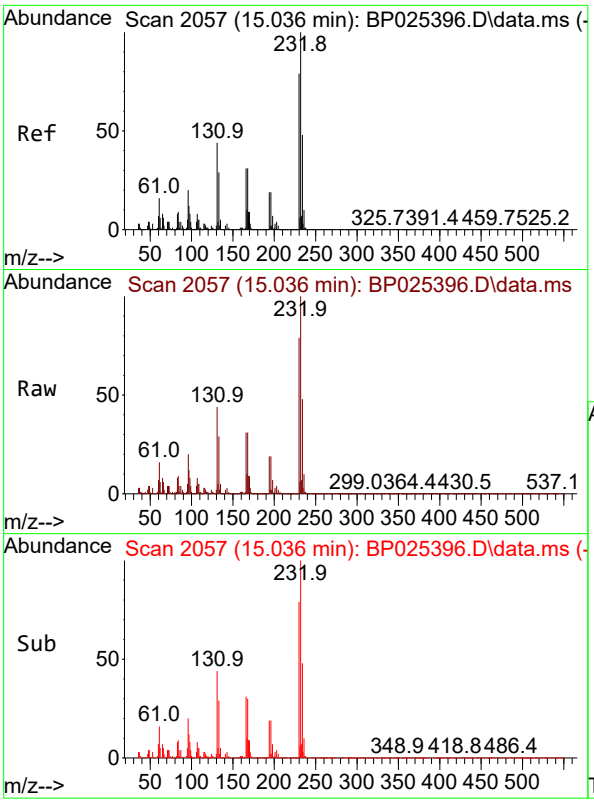


#58
Fluorene
Concen: 38.115 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:166 Resp: 1151825

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.8	118.2
167	13.7	11.0	16.4

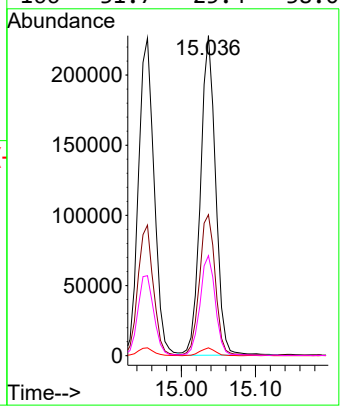




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.975 ng
RT: 15.036 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:232 Resp: 32439

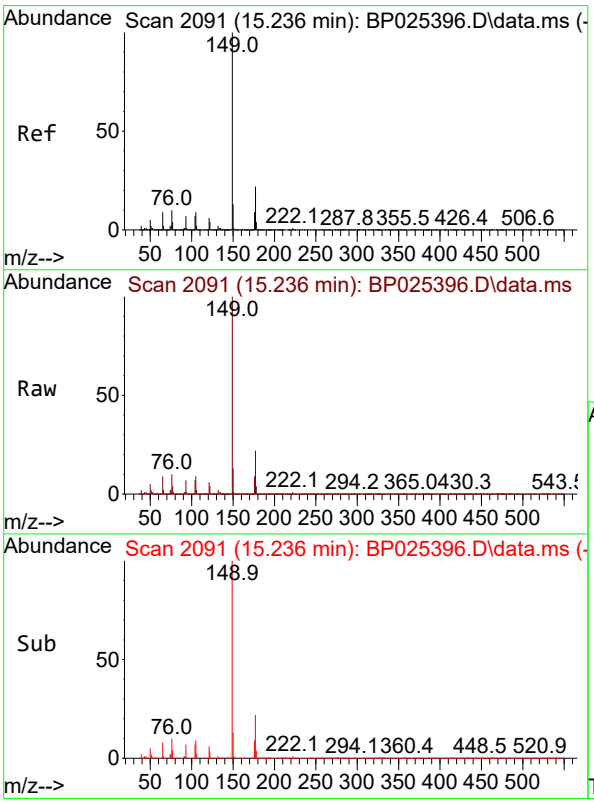
Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.0	55.6
130	2.4	1.9	2.9
166	31.7	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

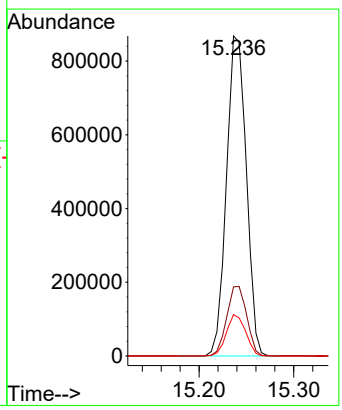
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

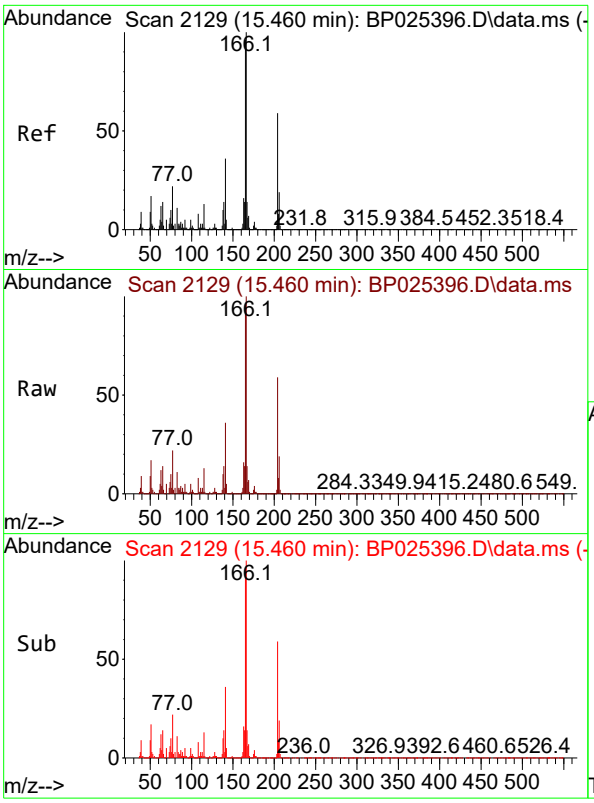


#60
Diethylphthalate
Concen: 38.533 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1264740

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.9	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 38.228 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

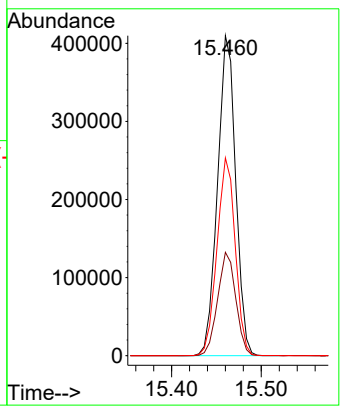
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

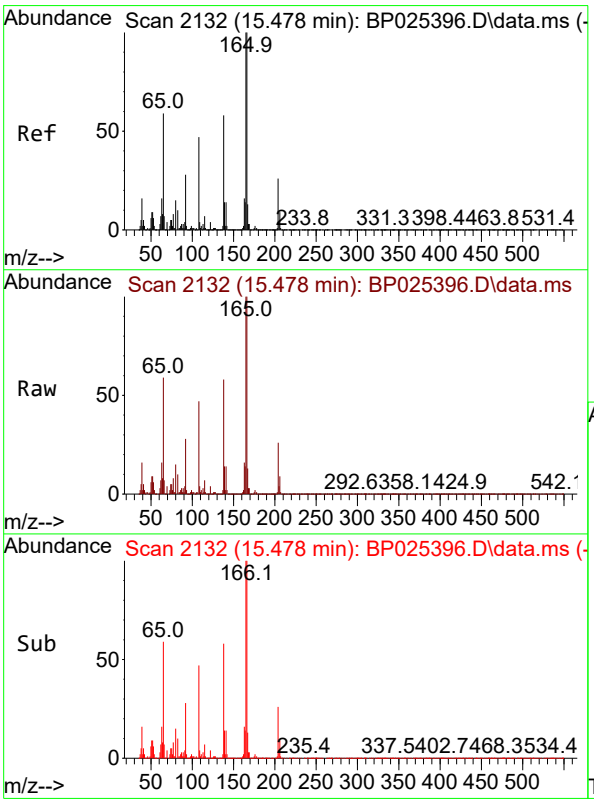
Tgt Ion:204 Resp: 57454

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.8
141	61.8	49.4	74.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

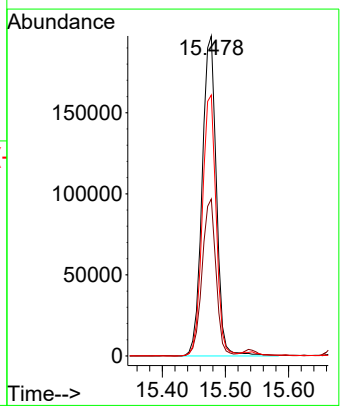


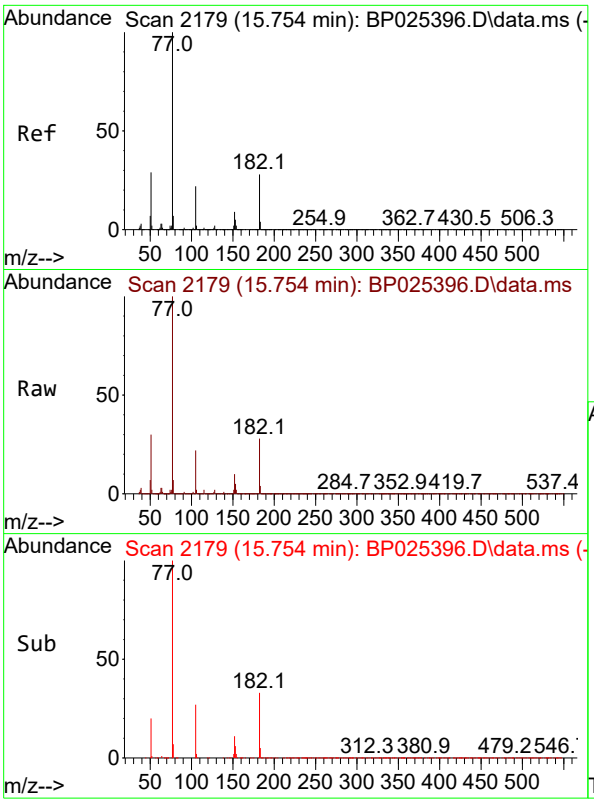


#62
4-Nitroaniline
Concen: 39.443 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:138 Resp: 309740

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	81.5	61.5	101.5





#63
Azobenzene
Concen: 38.820 ng
RT: 15.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

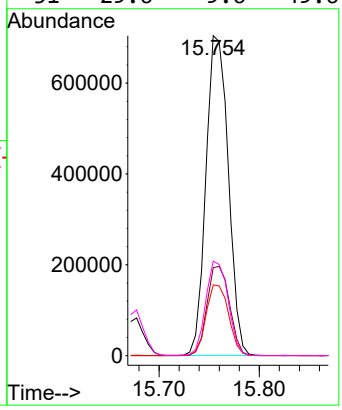
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

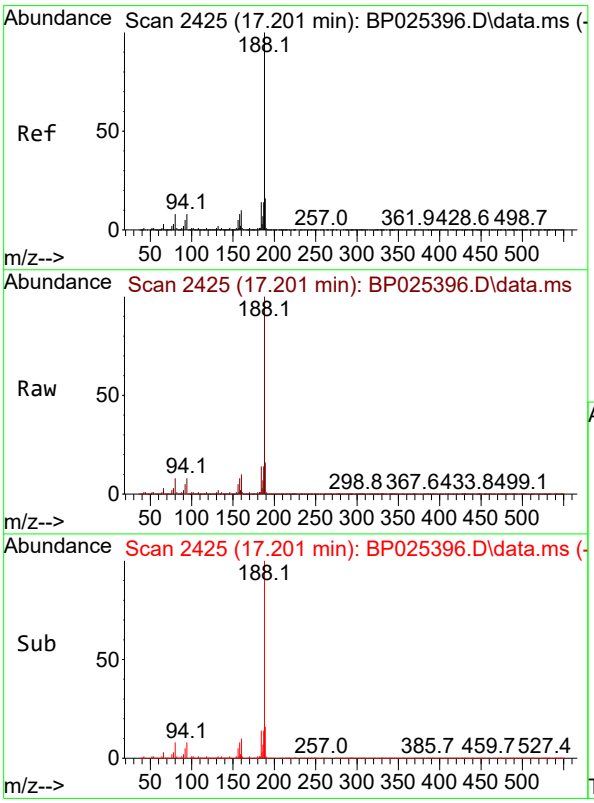
Tgt Ion: 77 Resp: 109100

Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.5	47.5
105	22.1	2.1	42.1
51	29.6	9.6	49.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

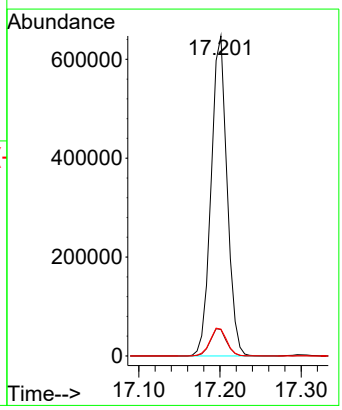


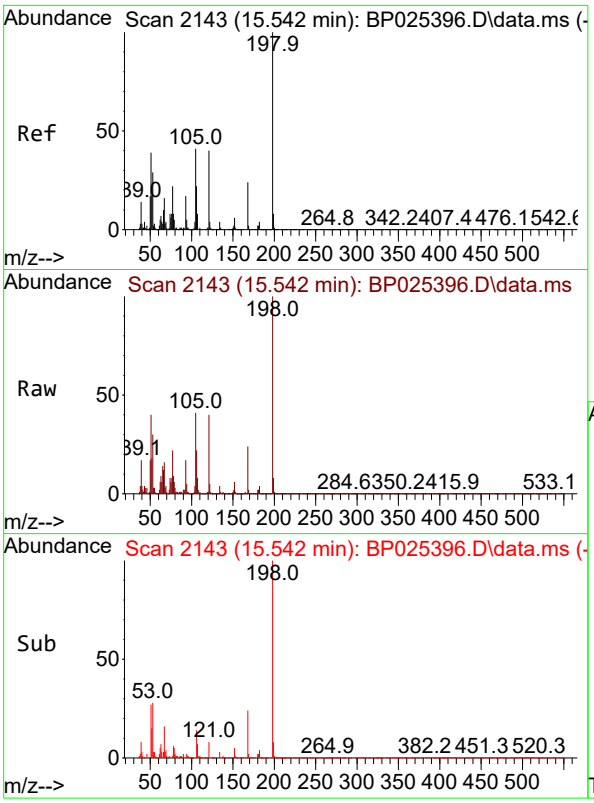


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:188 Resp: 884529

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	8.4	6.7	10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 39.384 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

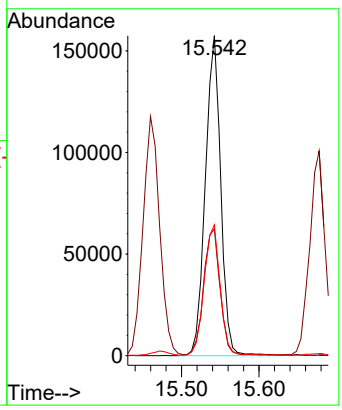
Tgt Ion:198 Resp: 21715

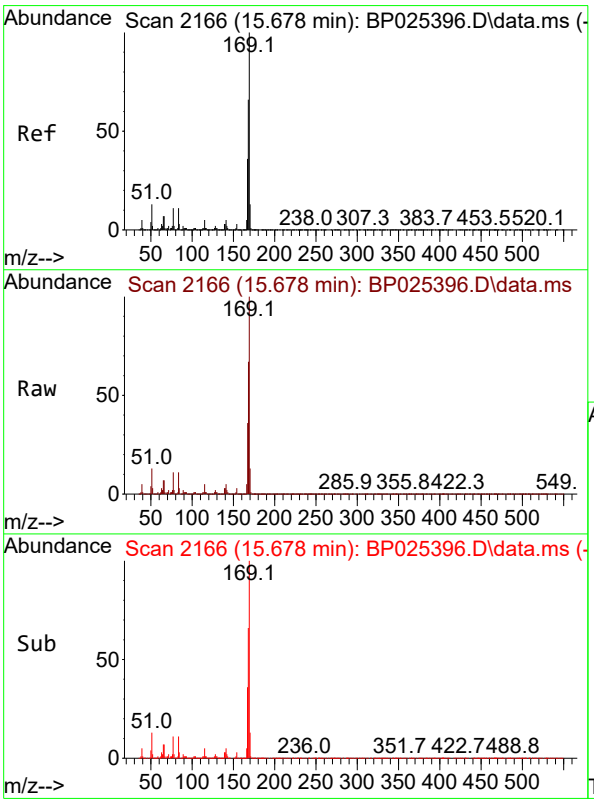
Ion	Ratio	Lower	Upper
198	100		
51	39.6	19.6	59.6
105	40.9	20.9	60.9

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

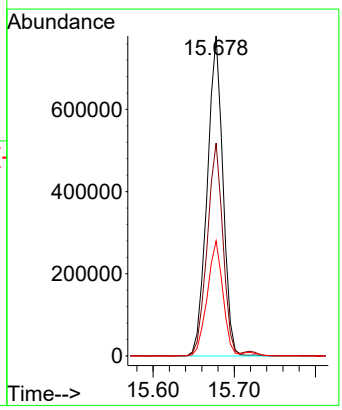


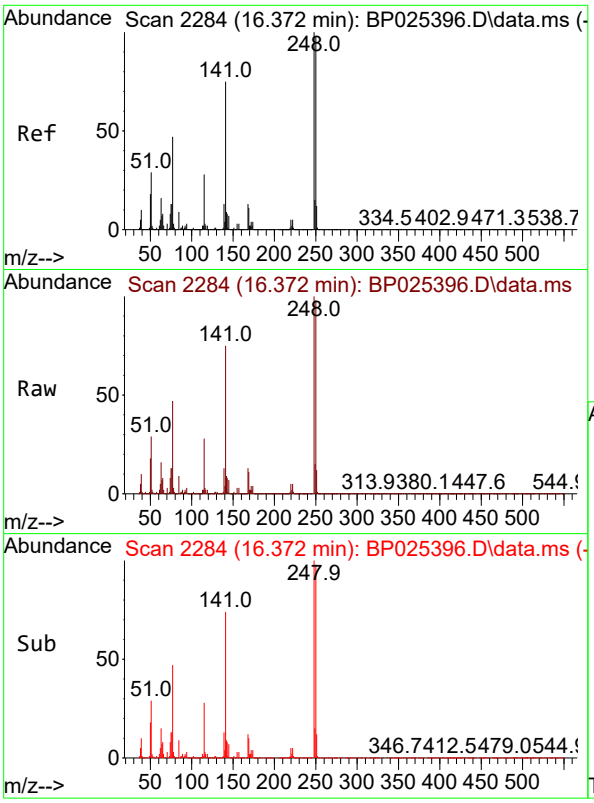


#66
n-Nitrosodiphenylamine
Concen: 38.749 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:169 Resp: 1045170

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	35.9	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 38.739 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

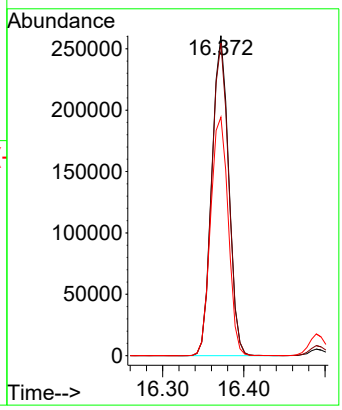
Tgt Ion:248 Resp: 37686

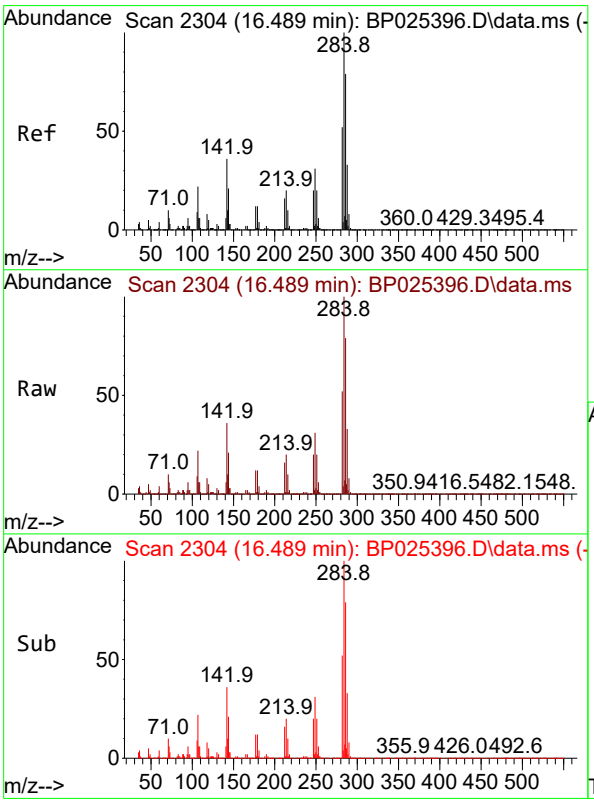
Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.2	117.2
141	74.5	59.6	89.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

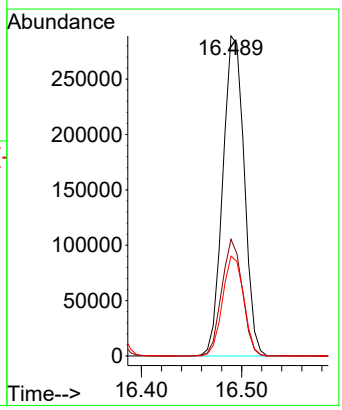


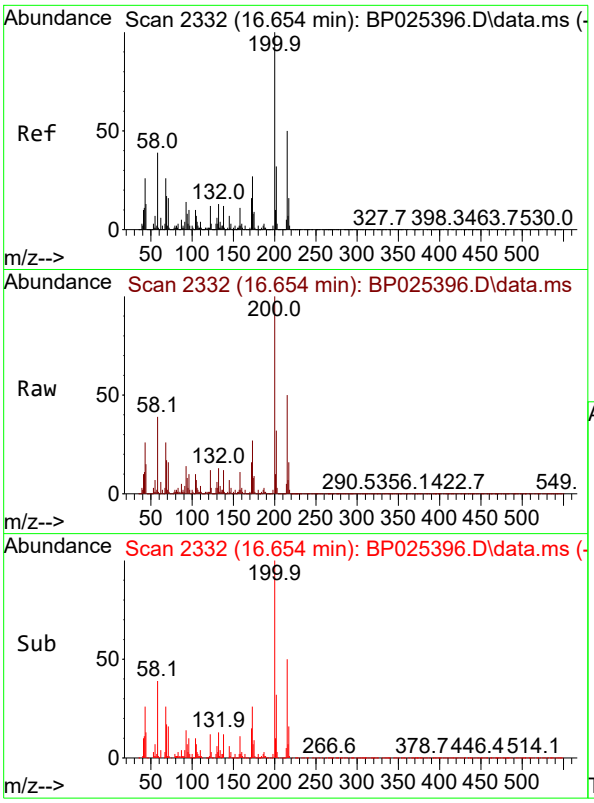


#68
Hexachlorobenzene
Concen: 37.986 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:284 Resp: 428361

Ion	Ratio	Lower	Upper
284	100		
142	36.4	29.1	43.7
249	31.2	25.0	37.4

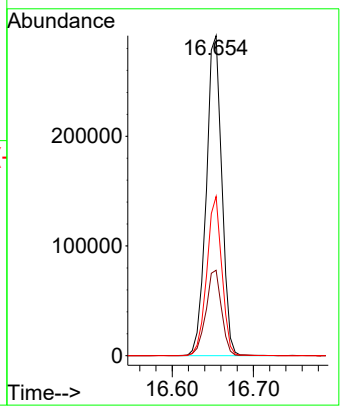




#69
Atrazine
Concen: 38.238 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:200 Resp: 38625

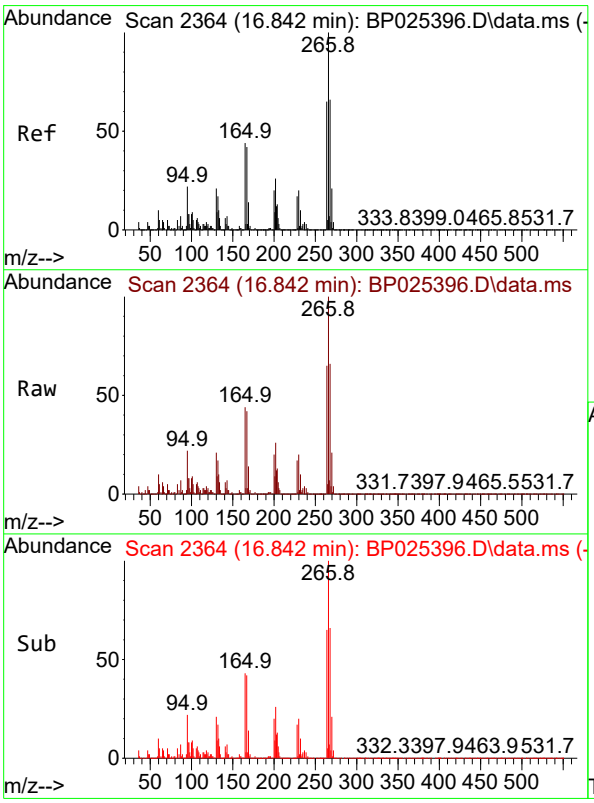
Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.7	46.7
215	49.7	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

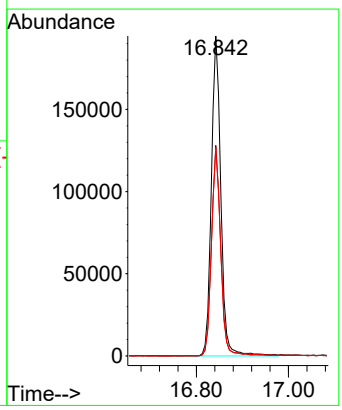
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

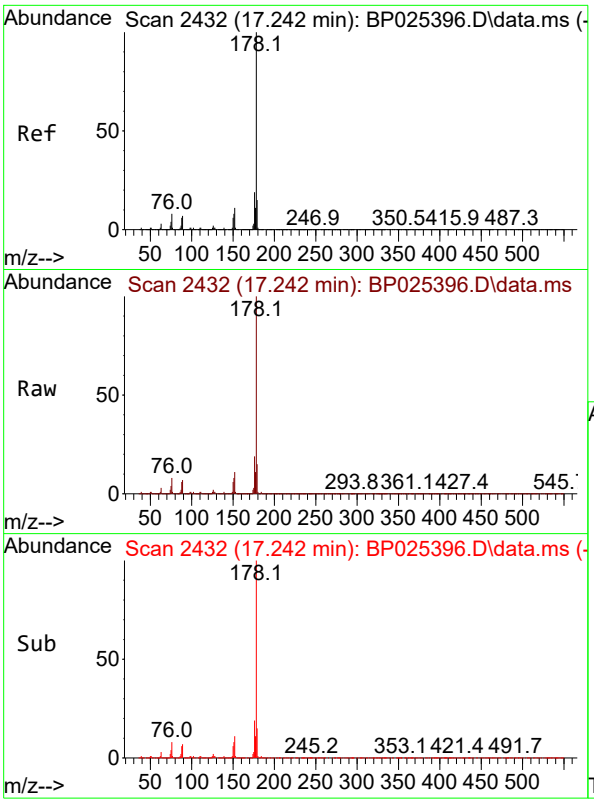


#70
Pentachlorophenol
Concen: 39.110 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:266 Resp: 278412

Ion	Ratio	Lower	Upper
266	100		
268	65.8	52.6	79.0
264	65.0	52.0	78.0





#71
Phenanthrene
Concen: 37.851 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

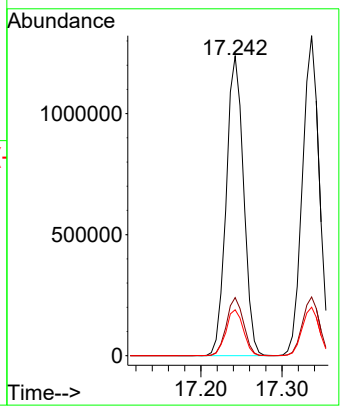
Tgt Ion:178 Resp: 183919

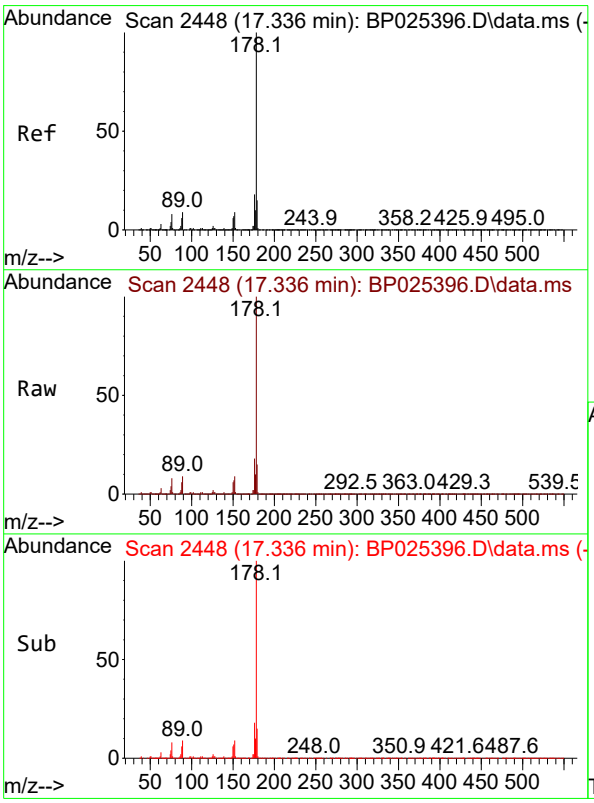
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.2	18.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

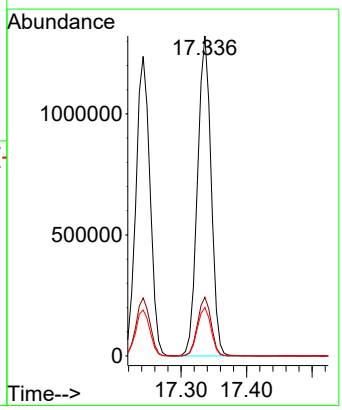


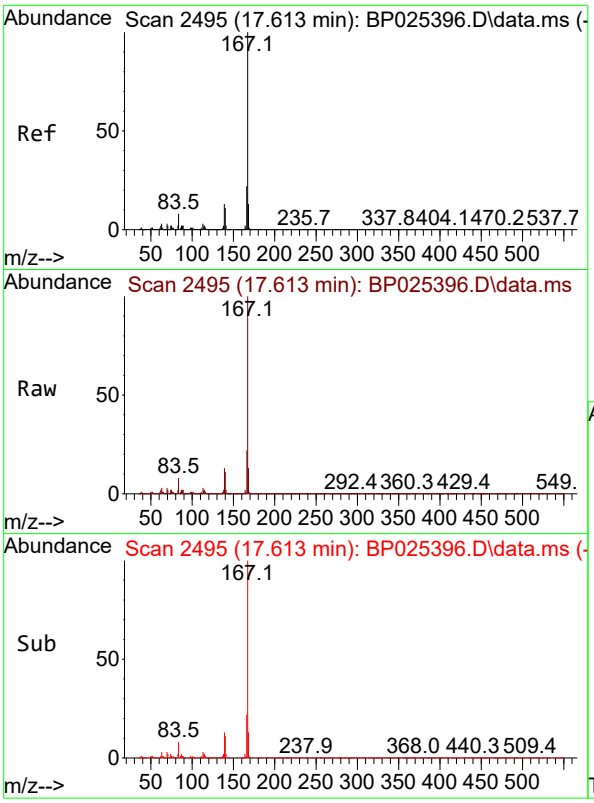


#72
Anthracene
Concen: 38.456 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:178 Resp: 1908189

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.2	12.2	18.2

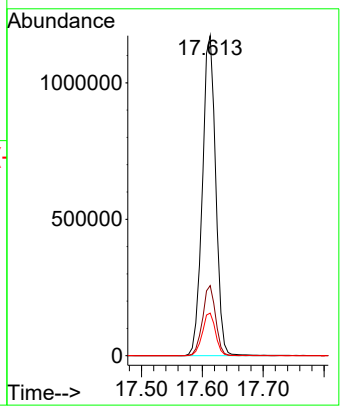




#73
Carbazole
Concen: 38.125 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:167 Resp: 178189

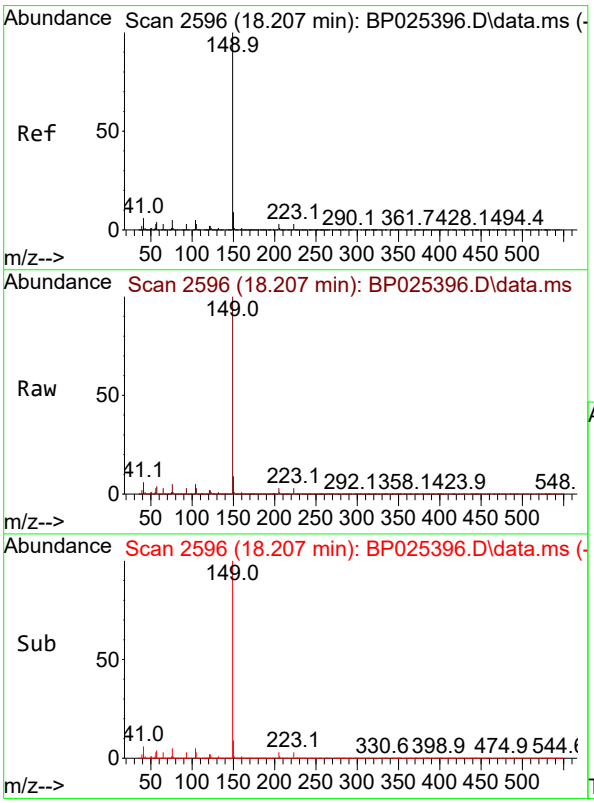
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

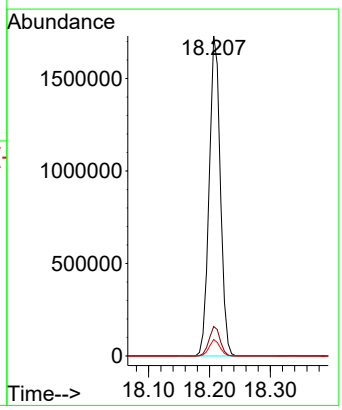
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

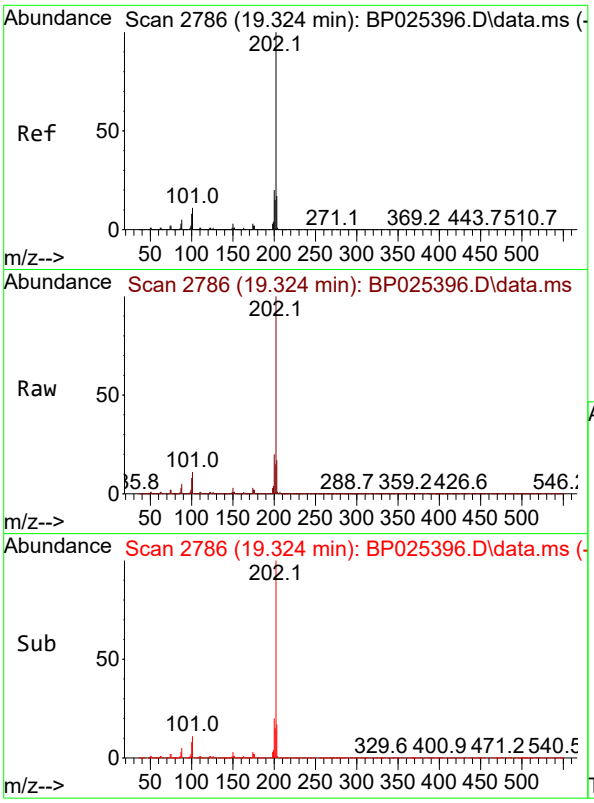


#74
Di-n-butylphthalate
Concen: 38.277 ng
RT: 18.207 min Scan# 2596
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 2201043

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2

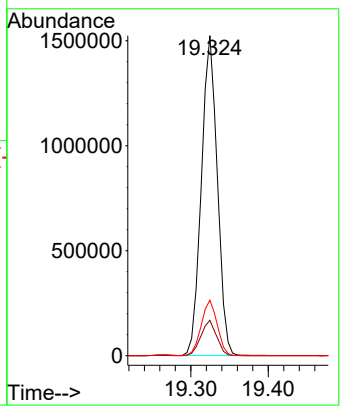




#75
Fluoranthene
Concen: 37.488 ng
RT: 19.324 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:202 Resp: 217275

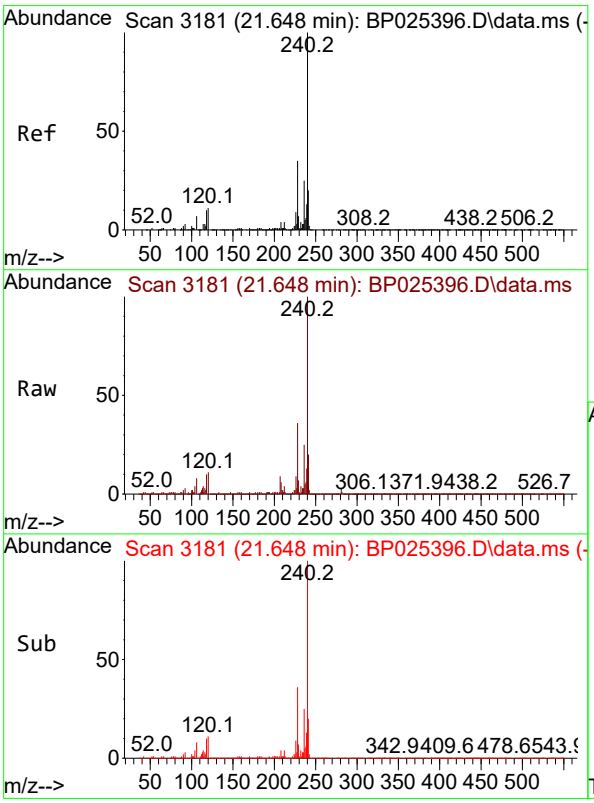
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.1
203	17.3	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

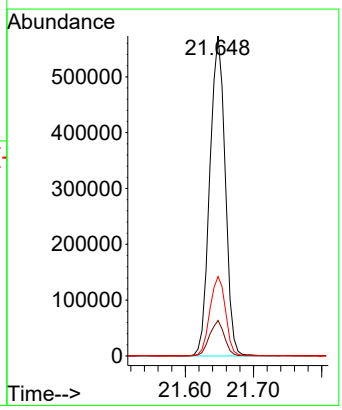
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

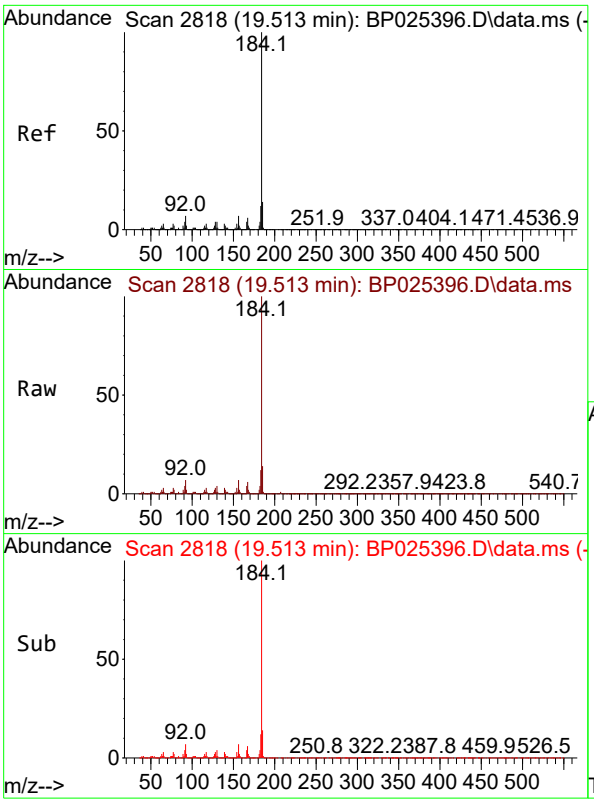


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:240 Resp: 899207

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	24.8	19.8	29.8

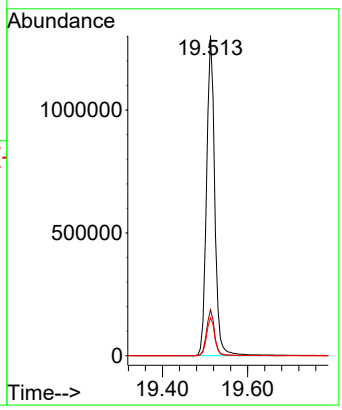




#77
Benzidine
Concen: 56.665 ng
RT: 19.513 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:184 Resp: 173892

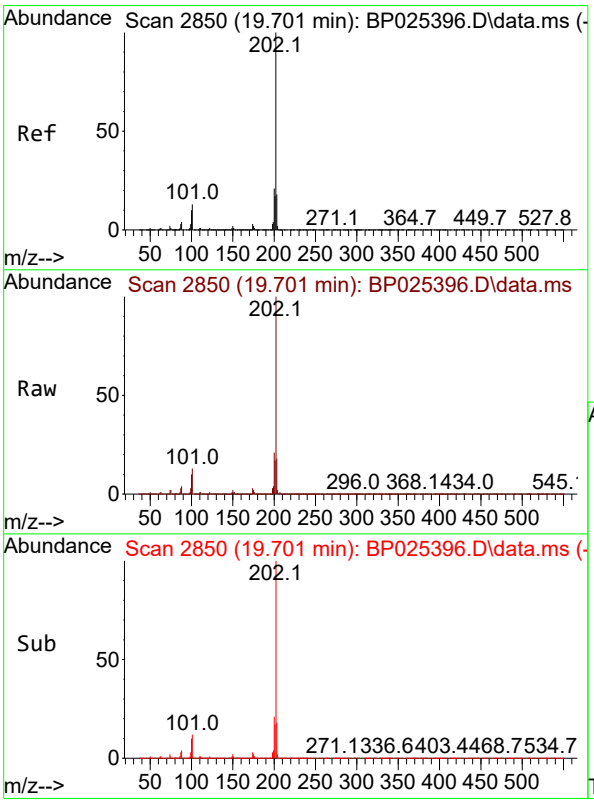
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

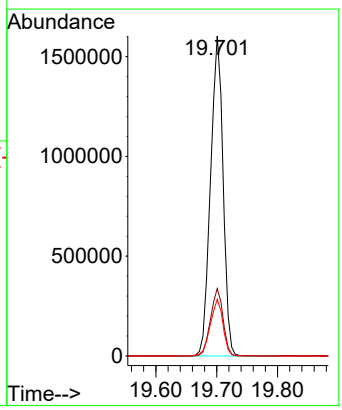
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

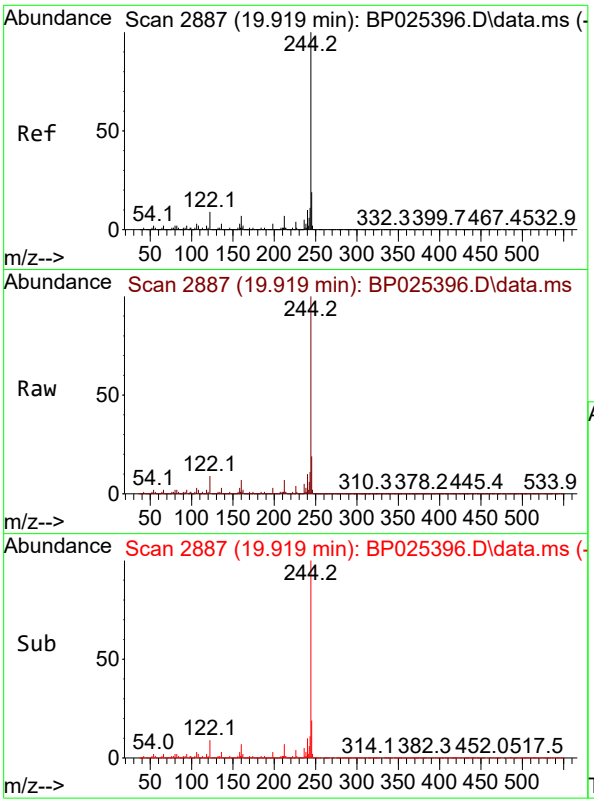


#78
Pyrene
Concen: 39.189 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:202 Resp: 2290461

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.7	14.2	21.2

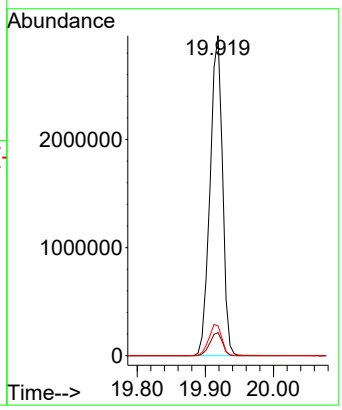




#79
Terphenyl-d14
Concen: 76.508 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:244 Resp: 376023

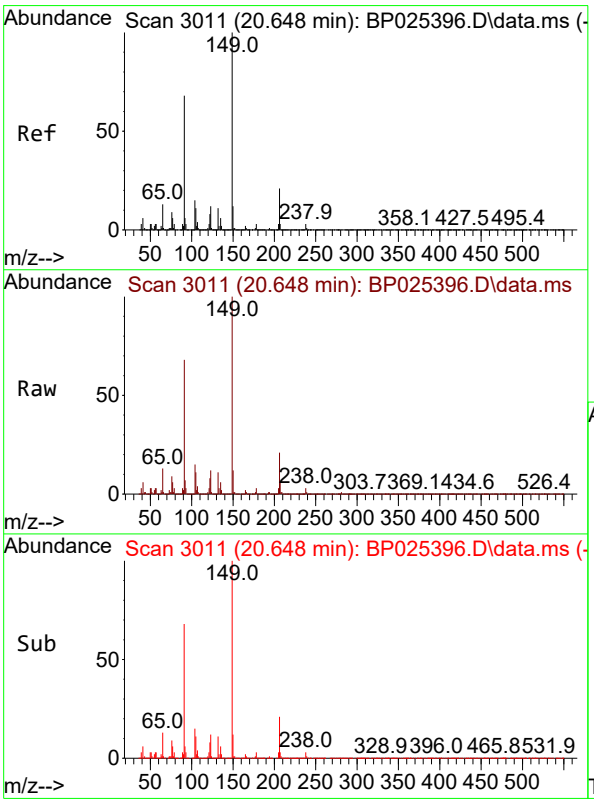
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.3	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

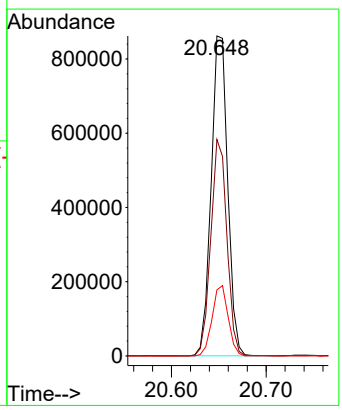
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

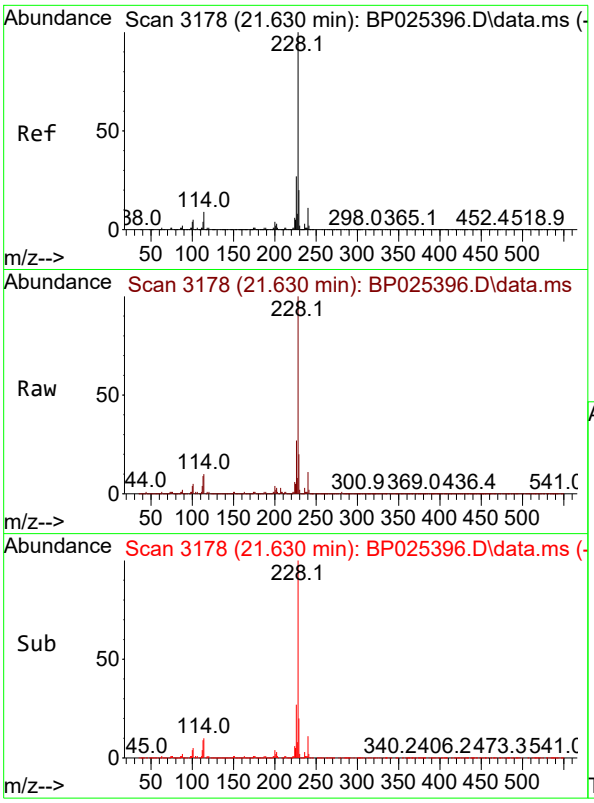


#80
Butylbenzylphthalate
Concen: 39.338 ng
RT: 20.648 min Scan# 3011
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1041998

Ion	Ratio	Lower	Upper
149	100		
91	67.7	54.2	81.2
206	20.7	16.6	24.8

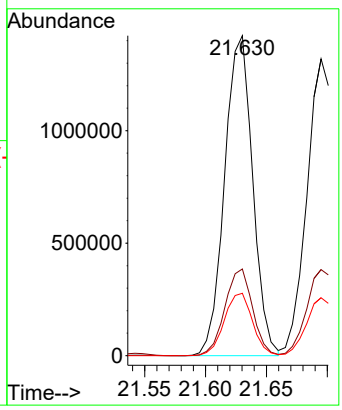




#81
Benzo(a)anthracene
Concen: 38.460 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:228 Resp: 228077

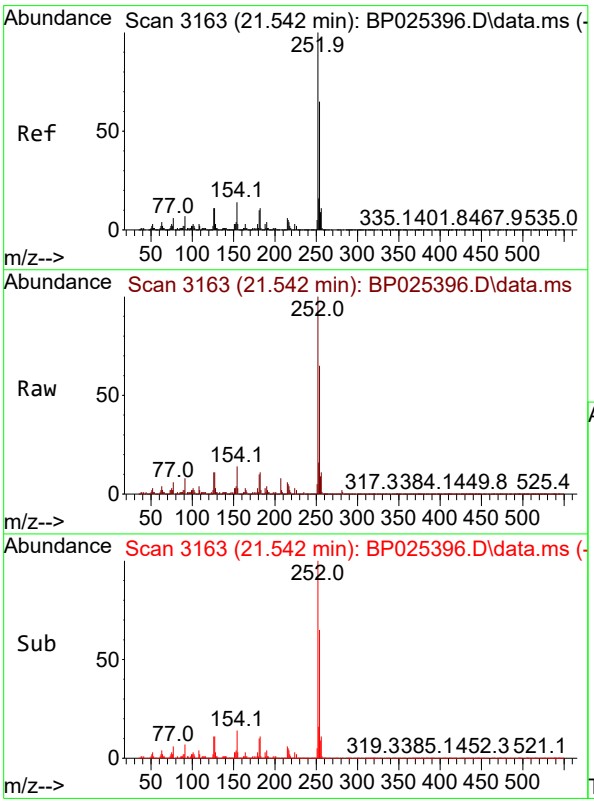
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

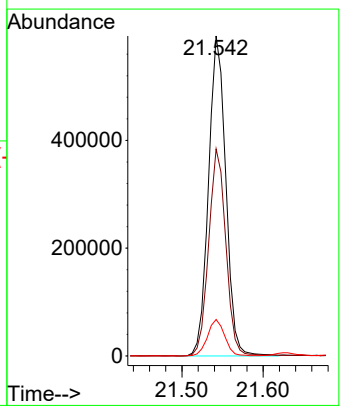
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

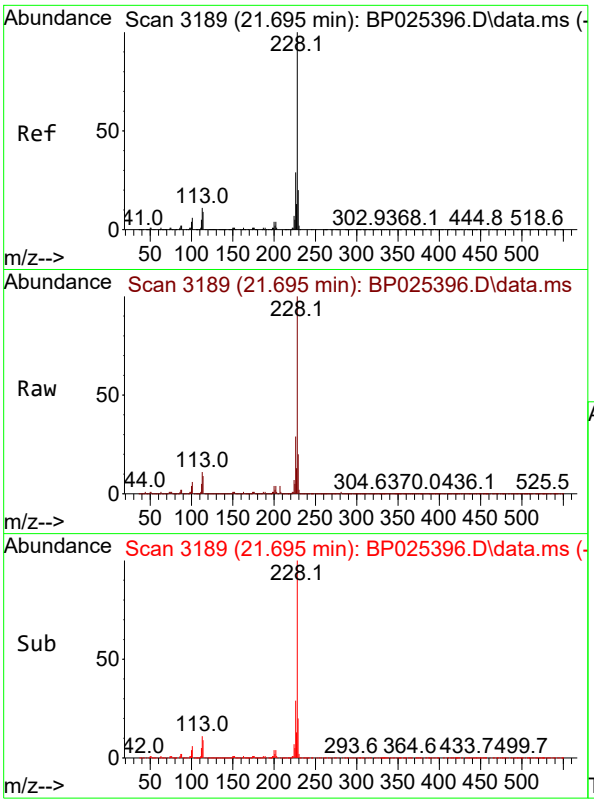


#82
3,3'-Dichlorobenzidine
Concen: 39.266 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 877708

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.6
126	11.4	9.1	13.7

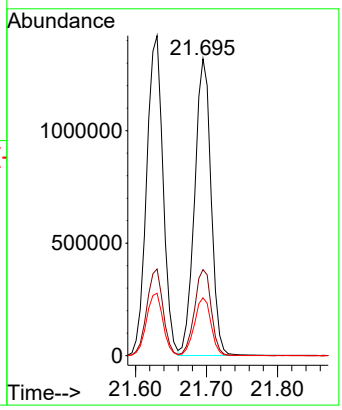




#83
Chrysene
Concen: 38.278 ng
RT: 21.695 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:228 Resp: 212586

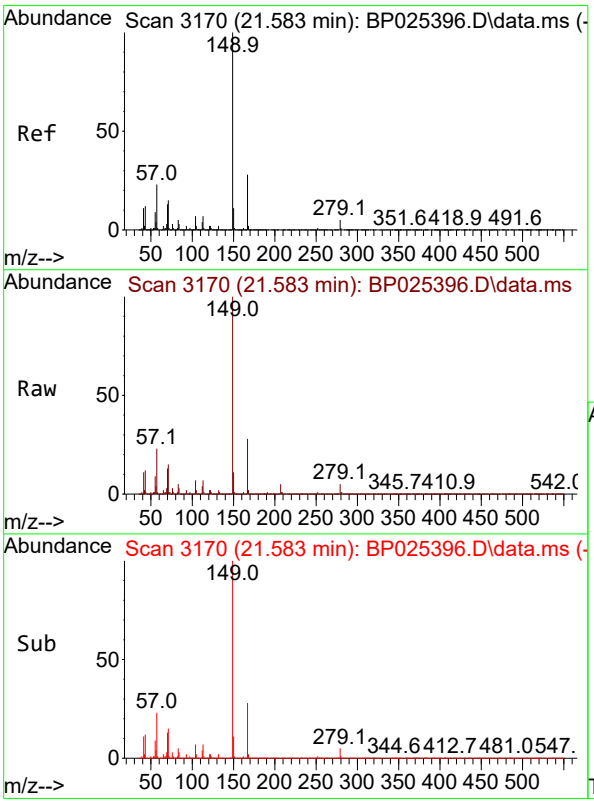
Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

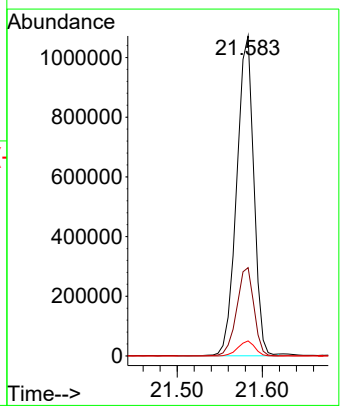
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

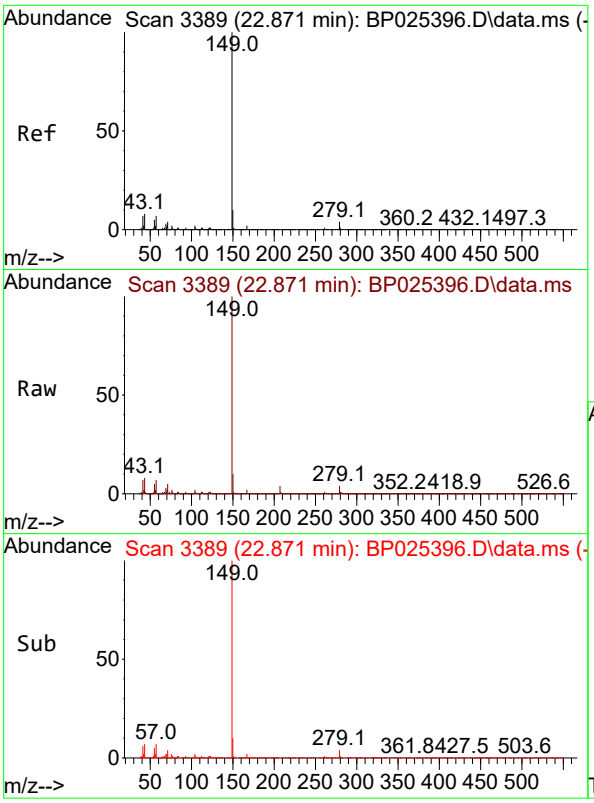


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.310 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1493804

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 38.730 ng
RT: 22.871 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

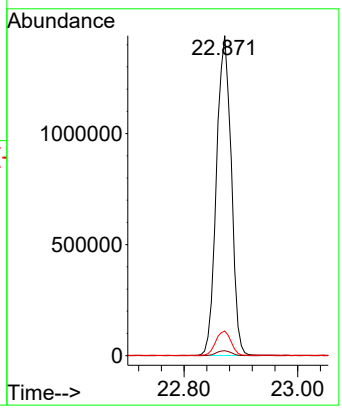
Tgt Ion:149 Resp: 259755

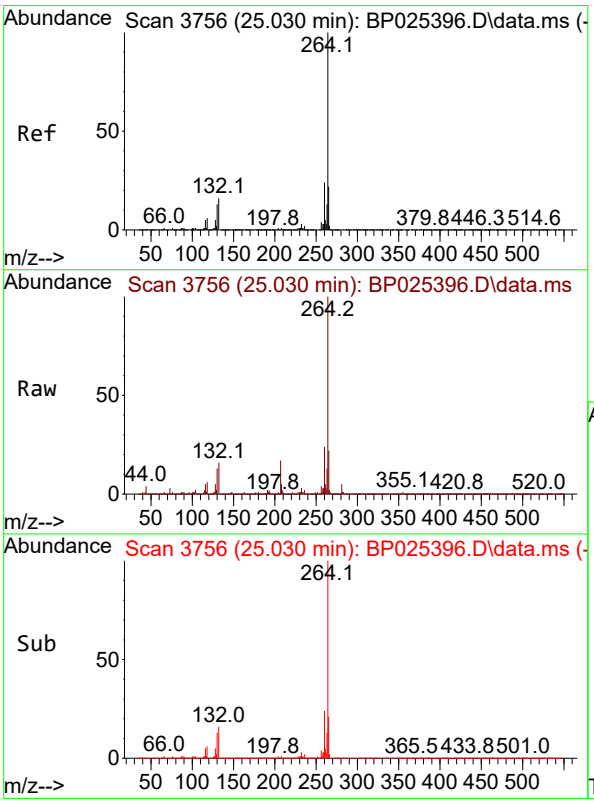
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

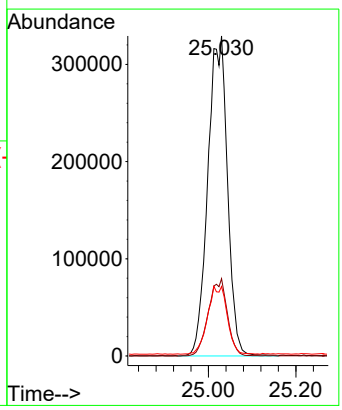


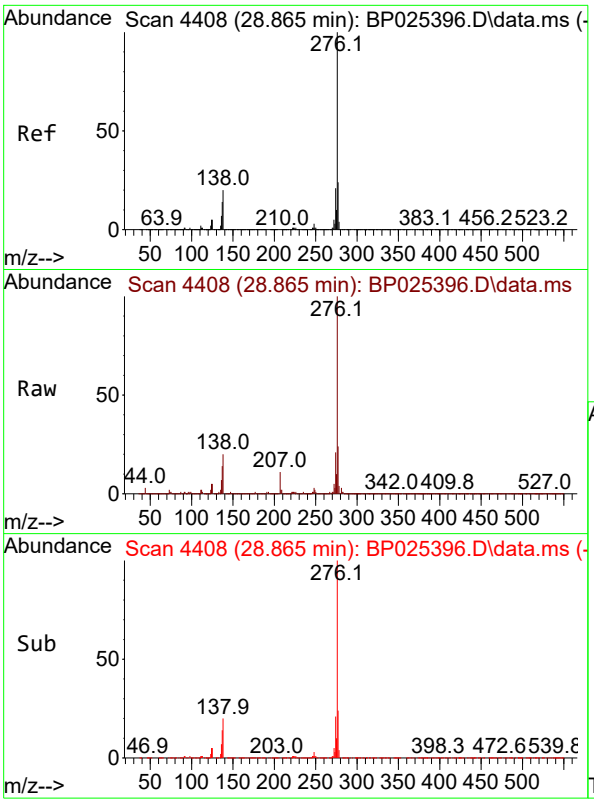


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:264 Resp: 1022138

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	21.7	17.4	26.0

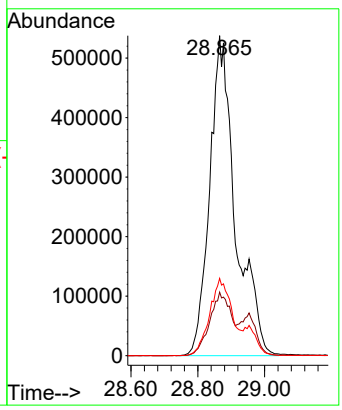




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.470 ng m
RT: 28.865 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:276 Resp: 288471

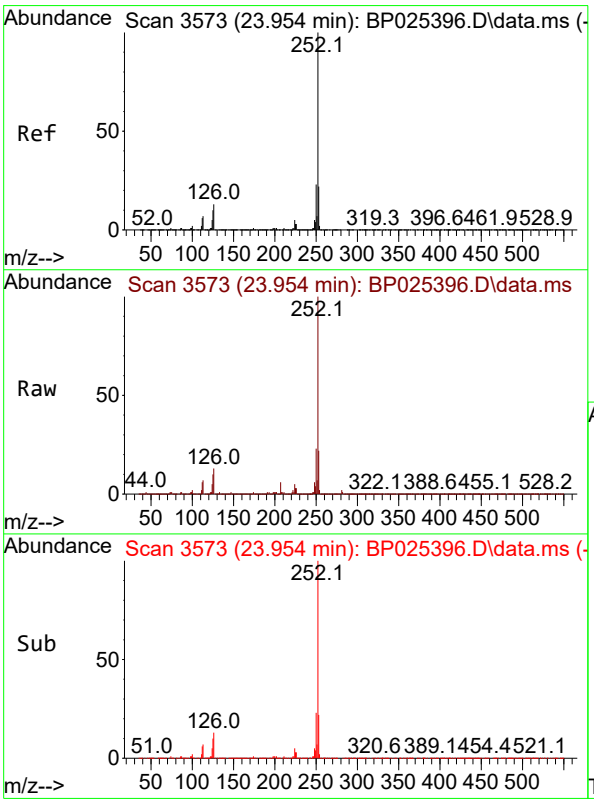
Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.9	19.3
277	21.3	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

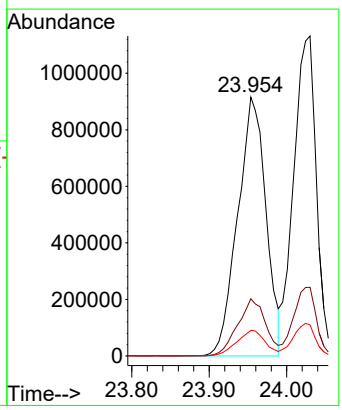
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

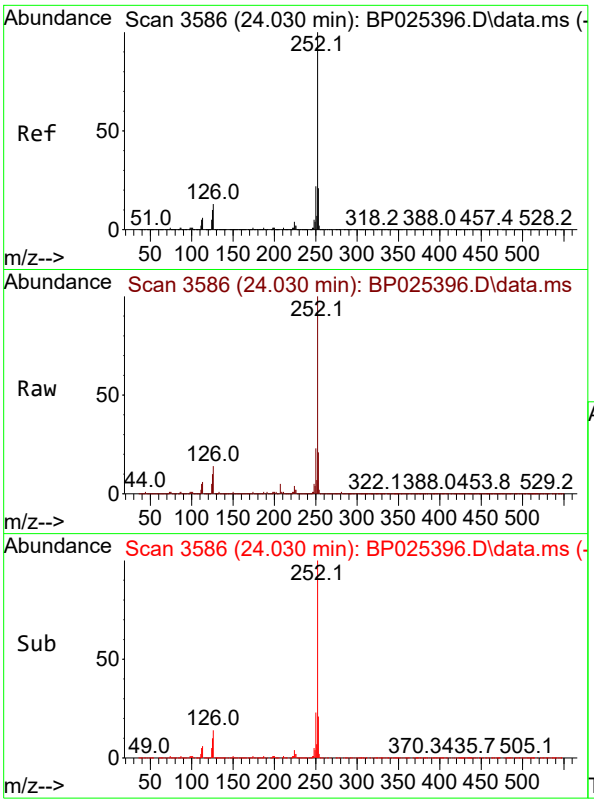


#88
Benzo(b)fluoranthene
Concen: 38.462 ng
RT: 23.954 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 2318198

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.9	7.9	11.9

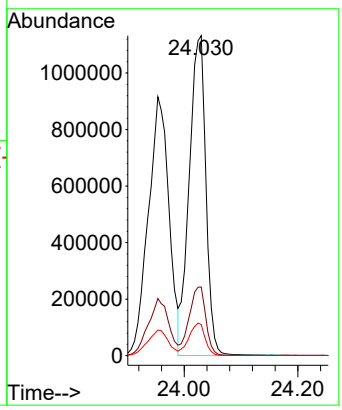




#89
Benzo(k)fluoranthene
Concen: 38.285 ng
RT: 24.030 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 230909

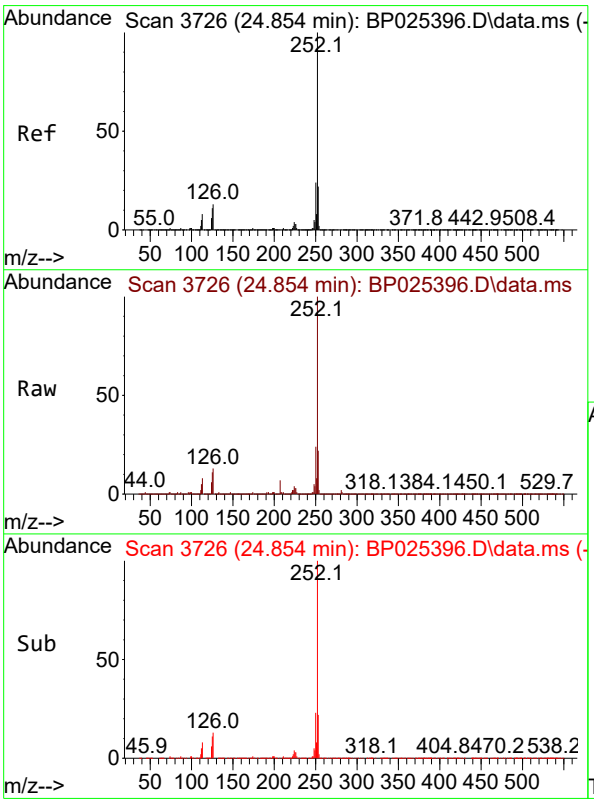
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	9.7	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

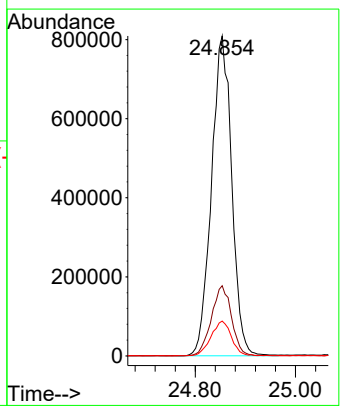
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

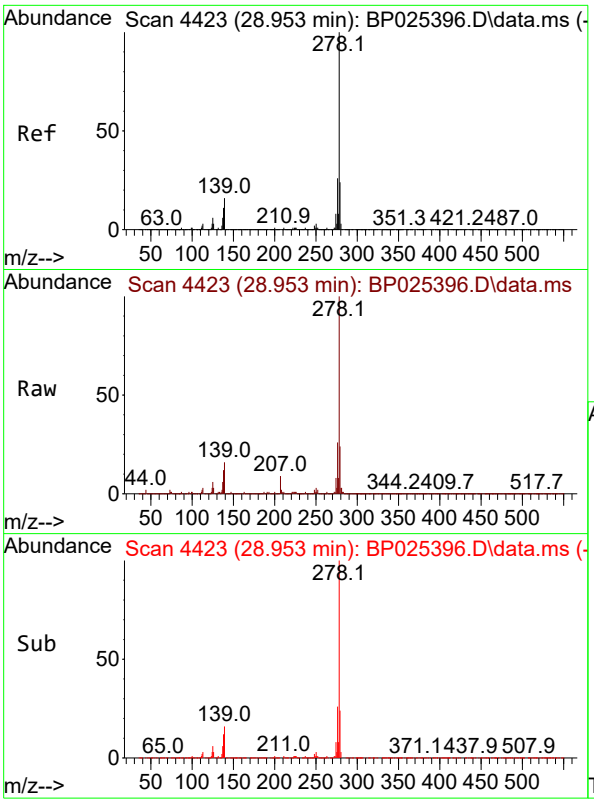


#90
Benzo(a)pyrene
Concen: 38.620 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 2265862

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.9	8.7	13.1

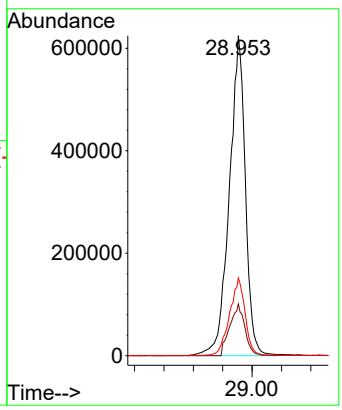




#91
Dibenzo(a,h)anthracene
Concen: 38.589 ng
RT: 28.953 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:278 Resp: 236384

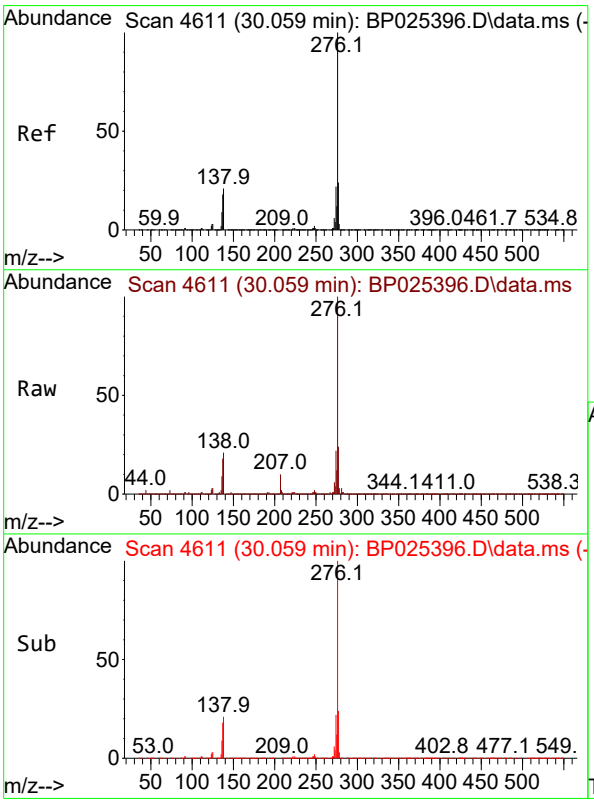
Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.4
279	24.3	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

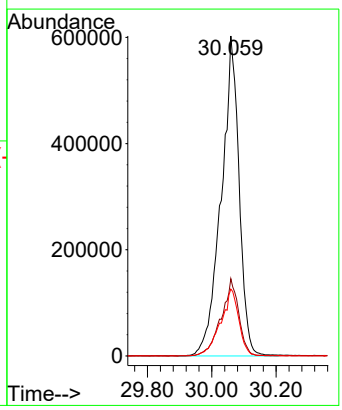
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 38.654 ng
RT: 30.059 min Scan# 4611
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:276 Resp: 2327292

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	20.9	16.7	25.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025397.D
Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 17:57:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137945	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	573916	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	376731	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	753705	20.000	ng	0.00
76) Chrysene-d12	21.648	240	801742	20.000	ng	0.00
86) Perylene-d12	25.036	264	918939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	855256	102.963	ng	0.00
7) Phenol-d6	6.966	99	1131869	106.283	ng	0.00
23) Nitrobenzene-d5	8.937	82	1201601	105.910	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	539295	106.352	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2856639	103.632	ng	0.00
79) Terphenyl-d14	19.925	244	4409094	100.615	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	165184	50.769	ng	98
3) Pyridine	3.725	79	454022	50.983	ng	97
4) n-Nitrosodimethylamine	3.631	42	192837	52.524	ng	99
6) Aniline	7.125	93	756782	52.743	ng	100
8) 2-Chlorophenol	7.366	128	492570	52.550	ng	99
9) Benzaldehyde	6.943	77	435174	58.325	ng	97
10) Phenol	6.996	94	588764	52.687	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	455697	52.320	ng	99
12) 1,3-Dichlorobenzene	7.684	146	536261	51.884	ng	99
13) 1,4-Dichlorobenzene	7.825	146	550541	52.113	ng	99
14) 1,2-Dichlorobenzene	8.143	146	528750	51.705	ng	99
15) Benzyl Alcohol	8.025	79	443889	52.458	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	603716	51.742	ng	99
17) 2-Methylphenol	8.225	107	412974	53.211	ng	98
18) Hexachloroethane	8.866	117	202672	52.178	ng	96
19) n-Nitroso-di-n-propyla...	8.590	70	363151	51.419	ng	98
20) 3+4-Methylphenols	8.549	107	565208	52.538	ng	99
22) Acetophenone	8.602	105	750308	52.131	ng	100
24) Nitrobenzene	8.978	77	537647	53.024	ng	98
25) Isophorone	9.502	82	1047736	52.182	ng	99
26) 2-Nitrophenol	9.678	139	282682	54.323	ng	98
27) 2,4-Dimethylphenol	9.737	122	481502	53.806	ng	97
28) bis(2-Chloroethoxy)met...	9.972	93	630027	51.909	ng	99
29) 2,4-Dichlorophenol	10.213	162	475406	53.478	ng	99
30) 1,2,4-Trichlorobenzene	10.431	180	507724	52.101	ng	99
31) Naphthalene	10.607	128	1560240	52.305	ng	100
32) Benzoic acid	9.884	122	357706	54.274	ng	96
33) 4-Chloroaniline	10.713	127	705562	53.548	ng	99
34) Hexachlorobutadiene	10.902	225	312163	51.436	ng	98
35) Caprolactam	11.502	113	172663	52.969	ng	94
36) 4-Chloro-3-methylphenol	11.843	107	534583	52.407	ng	100
37) 2-Methylnaphthalene	12.219	142	1003813	51.710	ng	99
38) 1-Methylnaphthalene	12.443	142	1076949	52.167	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	574152	52.769	ng	99
41) Hexachlorocyclopentadiene	12.572	237	364047	55.392	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	396440	53.971	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025397.D
Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:57:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	430061	53.421	ng	99
46) 1,1'-Biphenyl	13.231	154	1447968	52.922	ng	99
47) 2-Chloronaphthalene	13.272	162	1114922	52.344	ng	99
48) 2-Nitroaniline	13.472	65	338939	54.613	ng	98
49) Acenaphthylene	14.125	152	1875998	53.227	ng	100
50) Dimethylphthalate	13.860	163	1424127	51.622	ng	100
51) 2,6-Dinitrotoluene	13.966	165	312149	53.683	ng	97
52) Acenaphthene	14.472	154	1087721	52.577	ng	98
53) 3-Nitroaniline	14.301	138	362030	55.339	ng	99
54) 2,4-Dinitrophenol	14.507	184	175453	56.503	ng	98
55) Dibenzofuran	14.813	168	1705630	52.147	ng	99
56) 4-Nitrophenol	14.619	139	296227	55.103	ng	98
57) 2,4-Dinitrotoluene	14.766	165	450923	54.354	ng	97
58) Fluorene	15.466	166	1332448	51.627	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.043	232	378743	53.281	ng	99
60) Diethylphthalate	15.243	149	1450033	51.728	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	650101	50.647	ng	99
62) 4-Nitroaniline	15.478	138	364030	54.278	ng	99
63) Azobenzene	15.760	77	1262576	52.602	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	262126	55.792	ng	98
66) n-Nitrosodiphenylamine	15.678	169	1195077	51.997	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	433740	52.325	ng	99
68) Hexachlorobenzene	16.495	284	497906	51.816	ng	97
69) Atrazine	16.654	200	451704	52.479	ng	98
70) Pentachlorophenol	16.842	266	332839	54.872	ng	97
71) Phenanthrene	17.248	178	2139431	51.673	ng	100
72) Anthracene	17.337	178	2214911	52.385	ng	100
73) Carbazole	17.613	167	2093175	52.559	ng	99
74) Di-n-butylphthalate	18.213	149	2589522	52.849	ng	99
75) Fluoranthene	19.325	202	2563702	51.910	ng	99
77) Benzidine	19.513	184	1330198	48.615	ng	99
78) Pyrene	19.701	202	2644850	50.754	ng	100
80) Butylbenzylphthalate	20.660	149	1231376	52.139	ng	98
81) Benzo(a)anthracene	21.630	228	2723006	51.499	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	1043476	52.357	ng	99
83) Chrysene	21.701	228	2565856	51.817	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	1805478	51.933	ng	100
85) Di-n-octyl phthalate	22.877	149	3150824	52.690	ng	100
87) Indeno(1,2,3-cd)pyrene	28.859	276	3604179m	53.463	ng	
88) Benzo(b)fluoranthene	23.960	252	2870971	52.982	ng	100
89) Benzo(k)fluoranthene	24.042	252	2817276	51.956	ng	99
90) Benzo(a)pyrene	24.877	252	2800880	53.100	ng	99
91) Dibenzo(a,h)anthracene	28.965	278	2962622	53.795	ng	98
92) Benzo(g,h,i)perylene	30.053	276	2866689m	52.960	ng	

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

ICAL Form

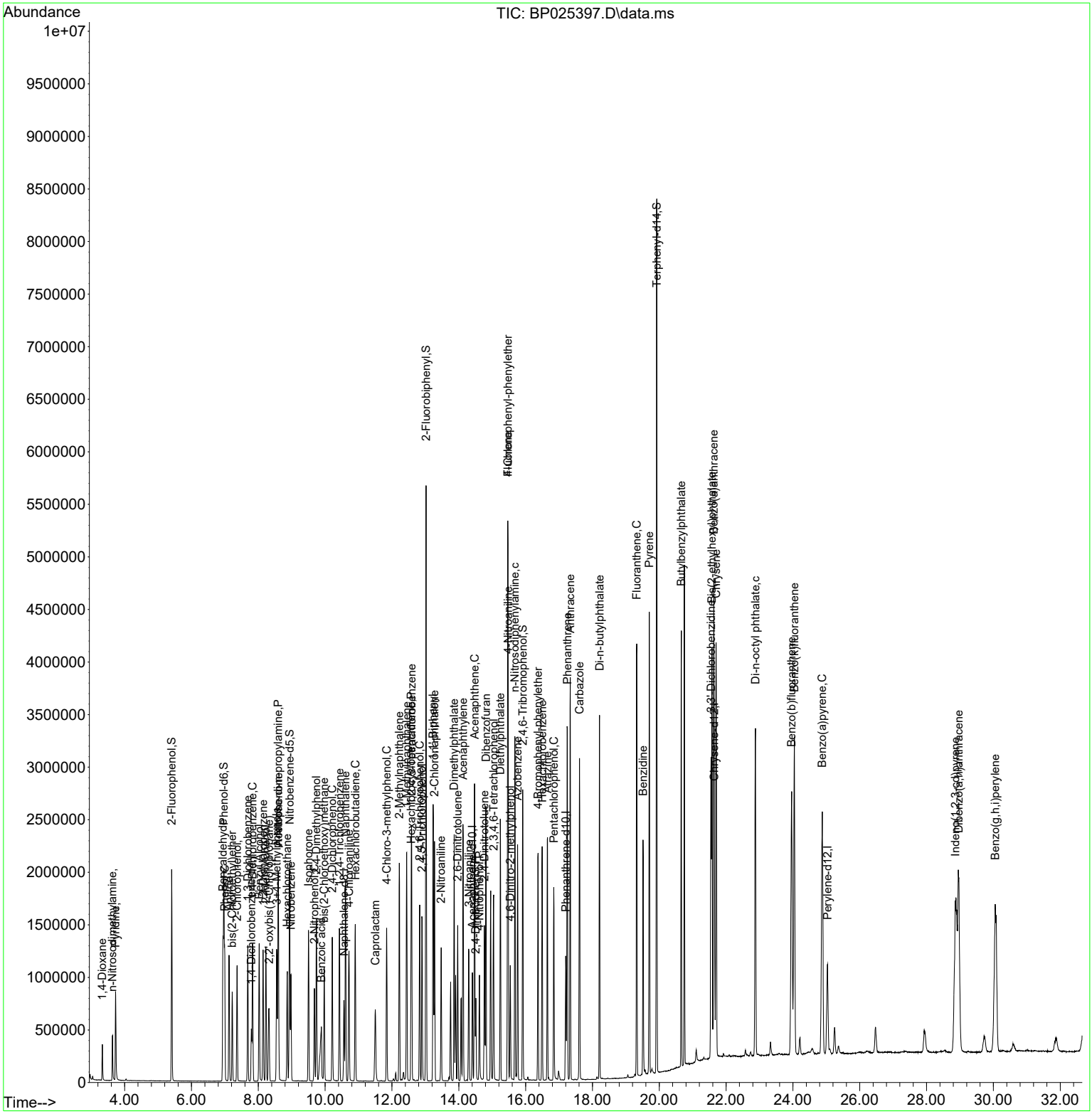
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025397.D
Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

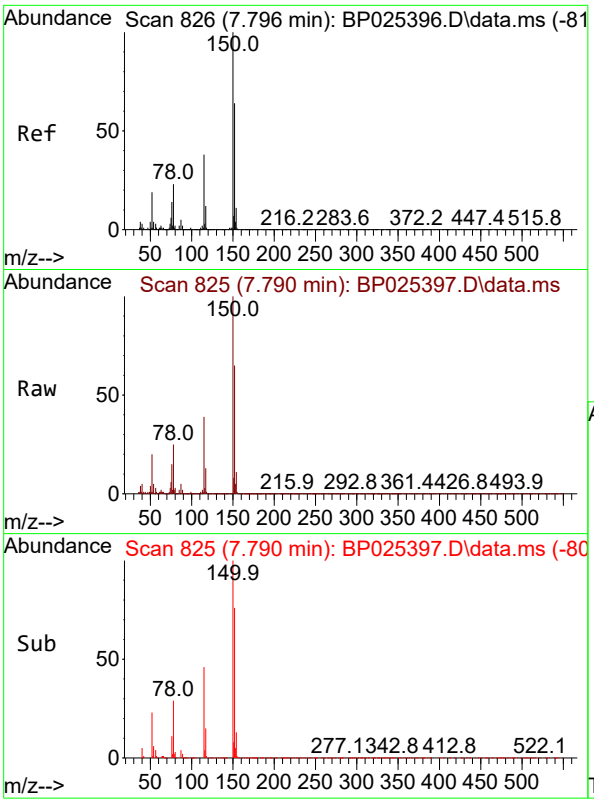
Quant Time: Aug 14 17:57:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

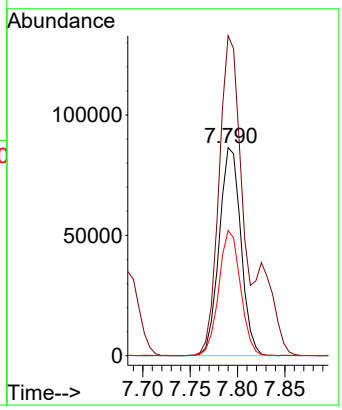




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:152 Resp: 13794

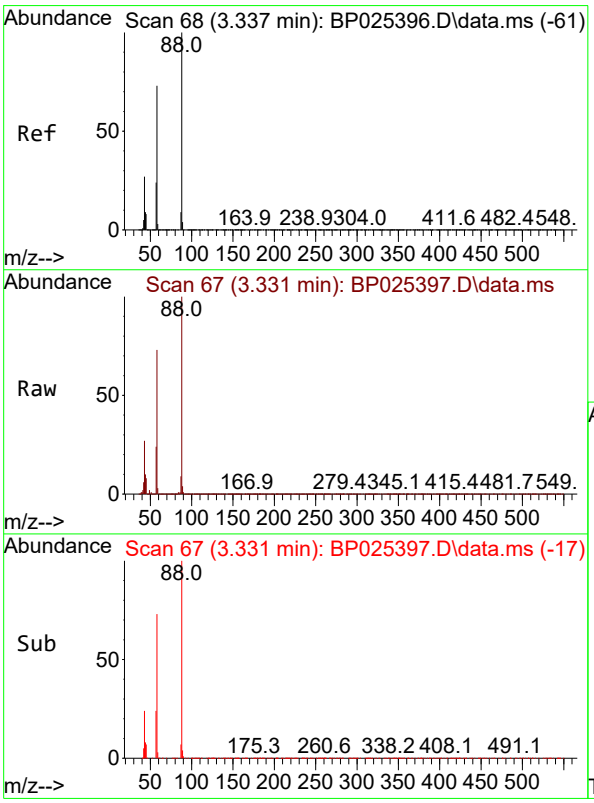
Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.9	188.9
115	60.2	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

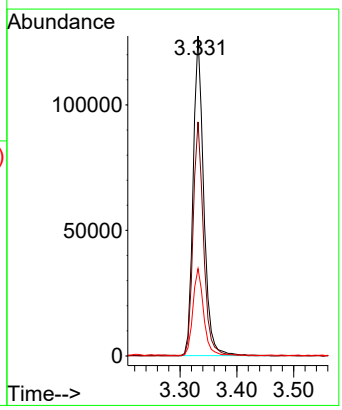
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

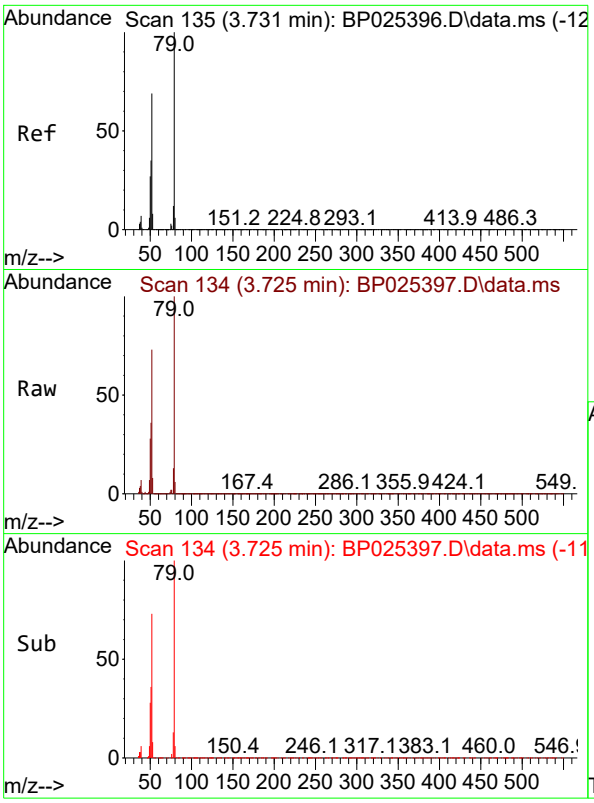


#2
1,4-Dioxane
Concen: 50.769 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 88 Resp: 165184

Ion	Ratio	Lower	Upper
88	100		
58	72.6	59.2	88.8
43	27.8	21.7	32.5

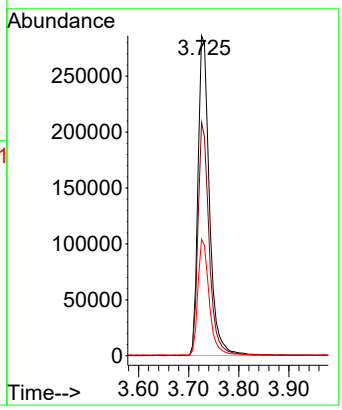




#3
Pyridine
Concen: 50.983 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 79 Resp: 45402

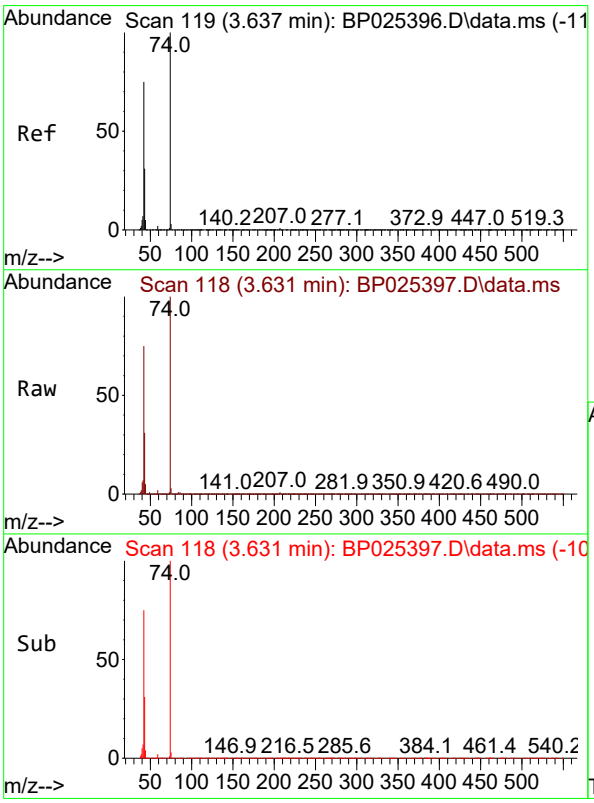
Ion	Ratio	Lower	Upper
79	100		
52	72.9	55.5	83.3
51	36.3	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

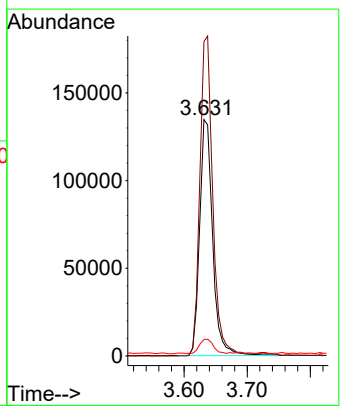
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

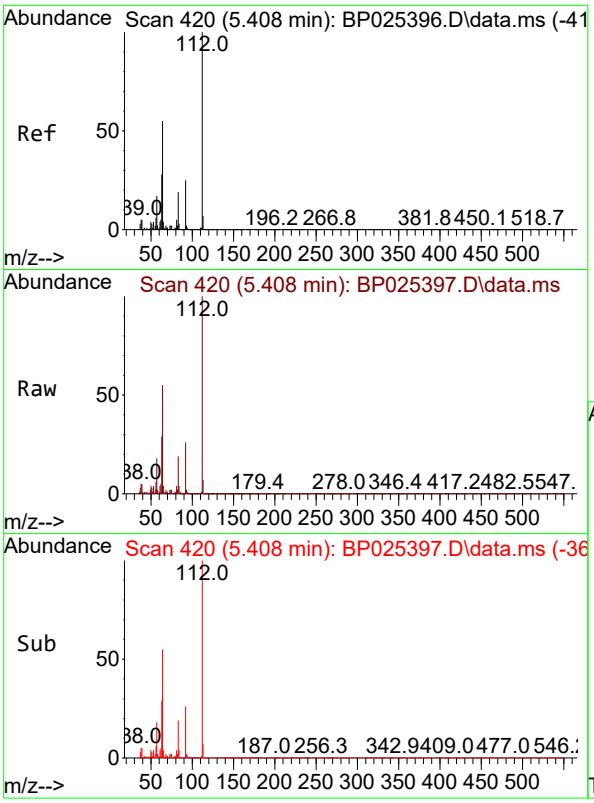


#4
n-Nitrosodimethylamine
Concen: 52.524 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 42 Resp: 192837

Ion	Ratio	Lower	Upper
42	100		
74	133.0	107.0	160.4
44	6.9	6.2	9.4

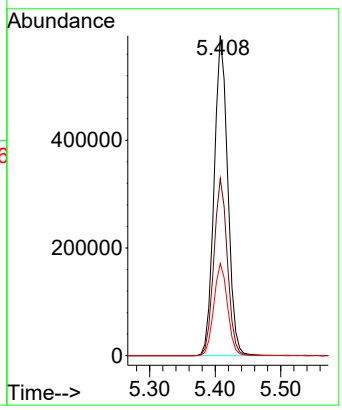




#5
2-Fluorophenol
Concen: 102.963 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:112 Resp: 85525

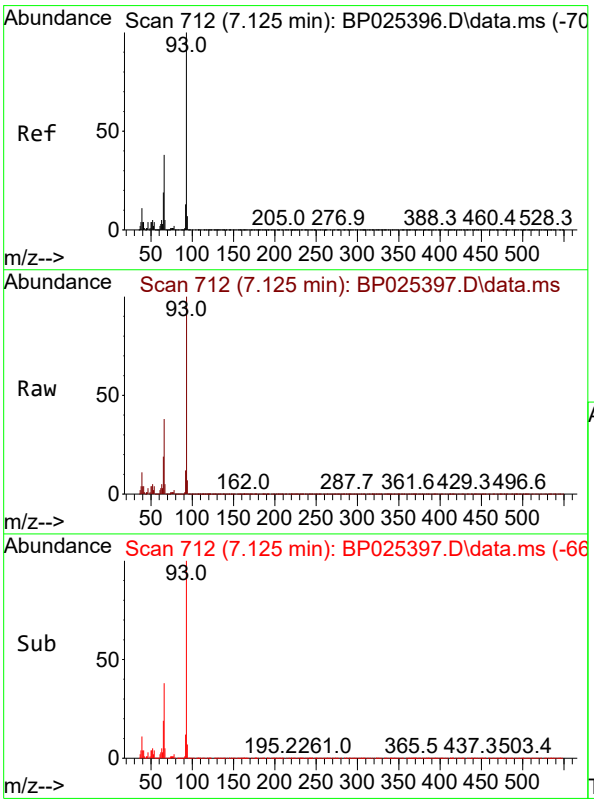
Ion	Ratio	Lower	Upper
112	100		
64	55.4	43.8	65.8
63	28.8	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

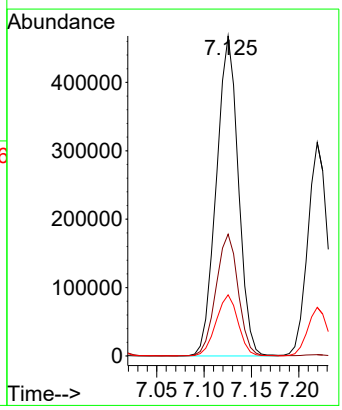
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

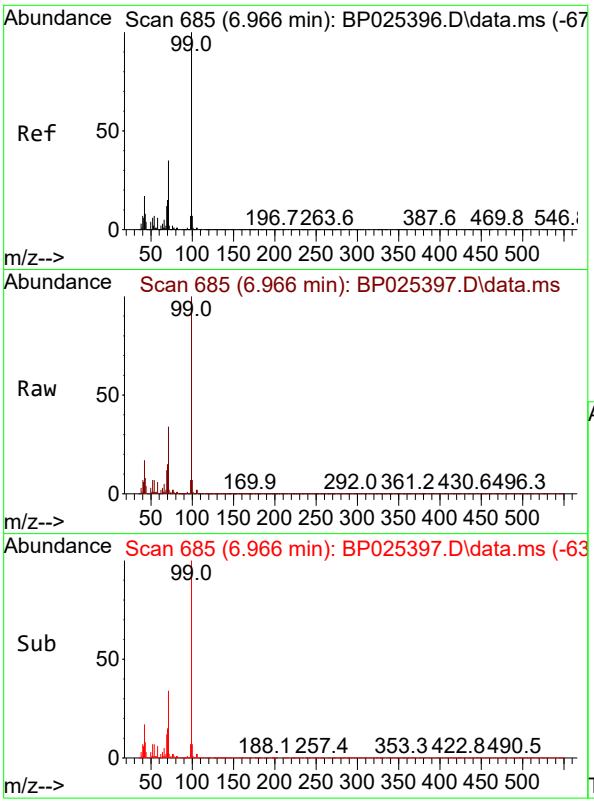


#6
Aniline
Concen: 52.743 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 756782

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	19.1	15.3	22.9

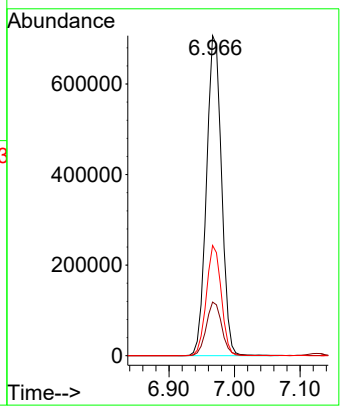




#7
Phenol-d6
Concen: 106.283 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 99 Resp: 113186

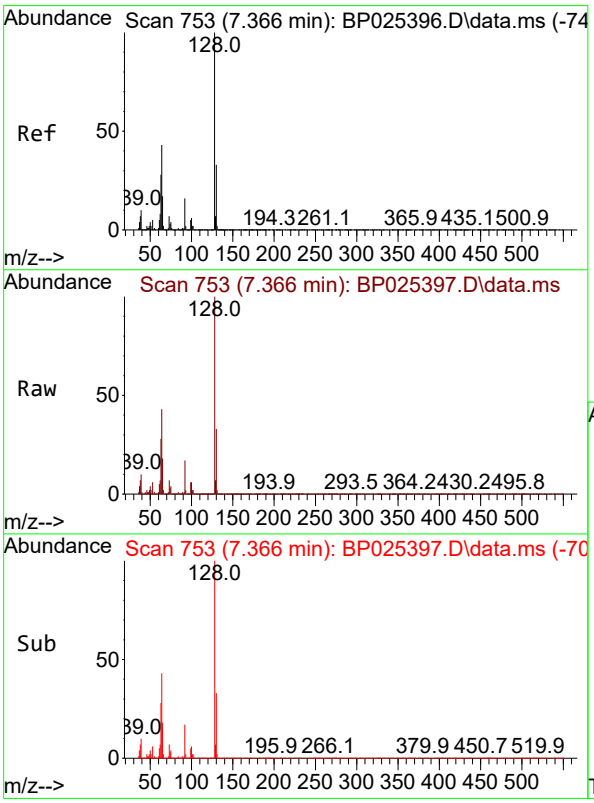
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.7	20.5
71	34.4	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

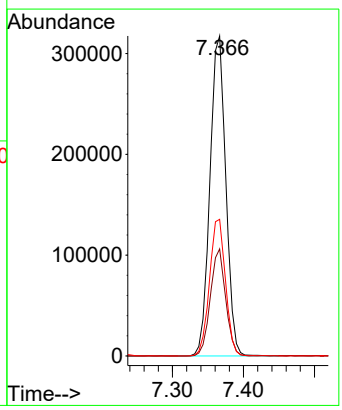
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

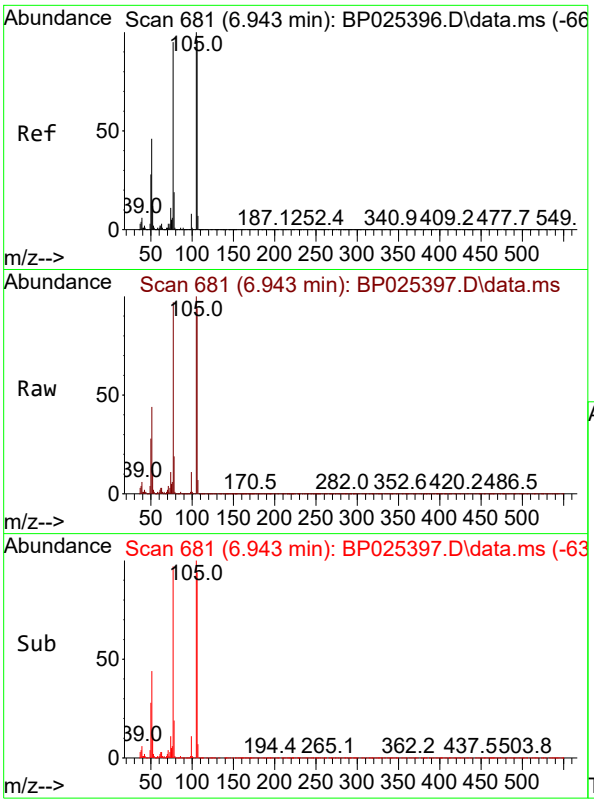


#8
2-Chlorophenol
Concen: 52.550 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:128 Resp: 492570

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.6	52.6
64	42.7	23.4	63.4

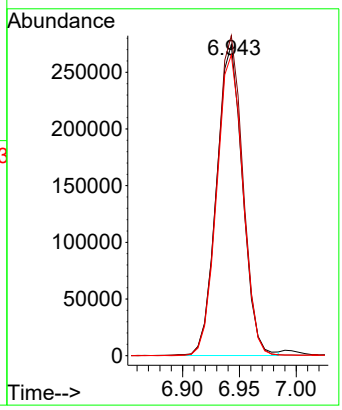




#9
Benzaldehyde
Concen: 58.325 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 77 Resp: 43517

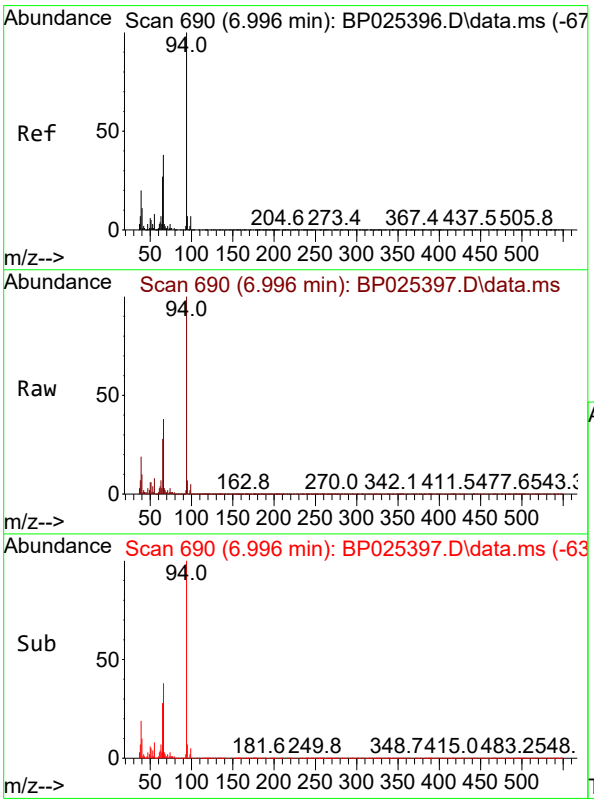
Ion	Ratio	Lower	Upper
77	100		
105	102.9	84.8	124.8
106	96.7	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

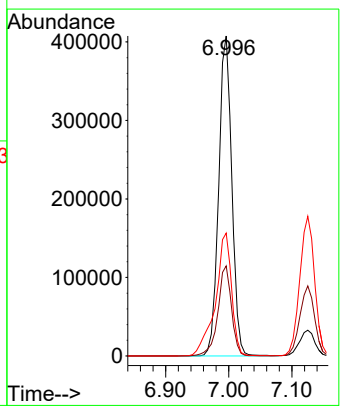
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

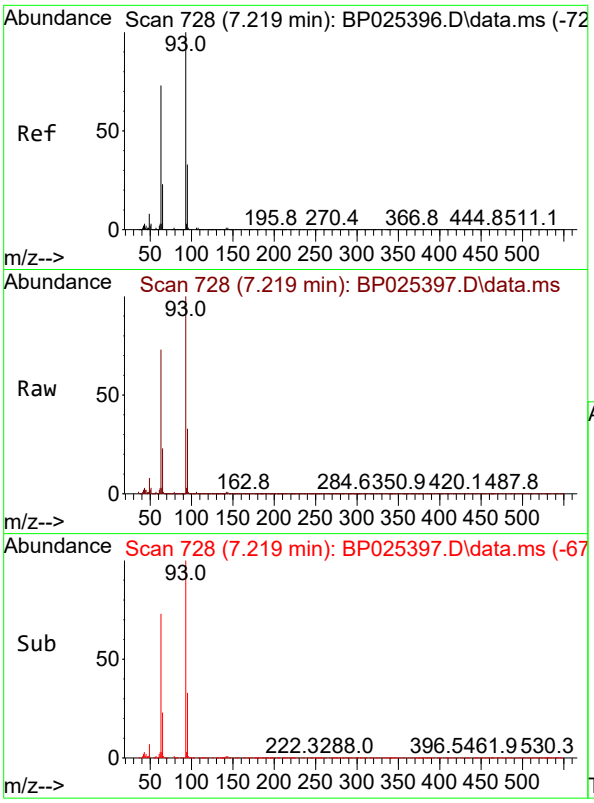


#10
Phenol
Concen: 52.687 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 94 Resp: 588764

Ion	Ratio	Lower	Upper
94	100		
65	28.1	6.8	46.8
66	38.4	18.2	58.2

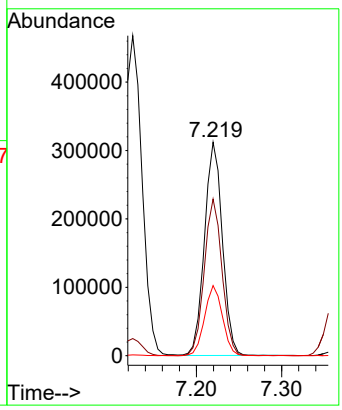




#11
bis(2-Chloroethyl)ether
Concen: 52.320 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 45569

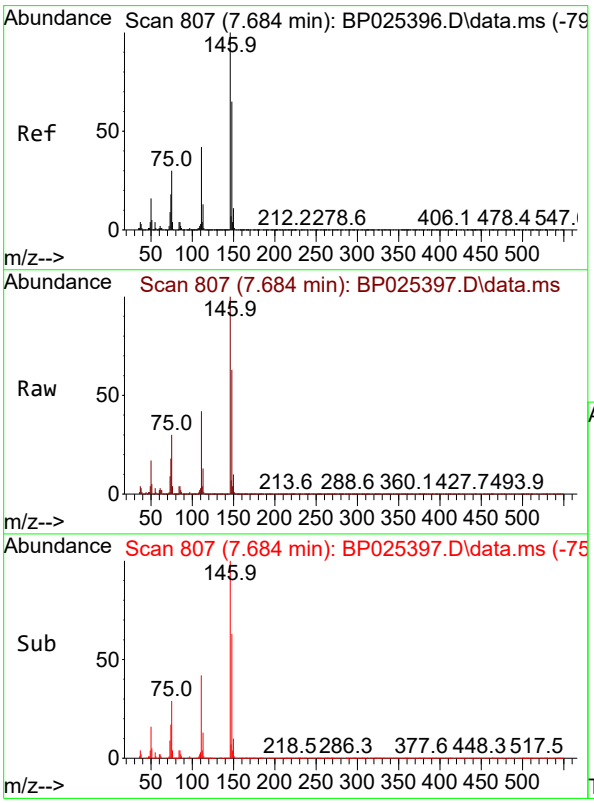
Ion	Ratio	Lower	Upper
93	100		
63	73.4	52.6	92.6
95	32.9	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

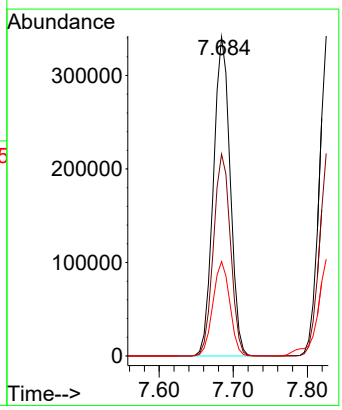
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

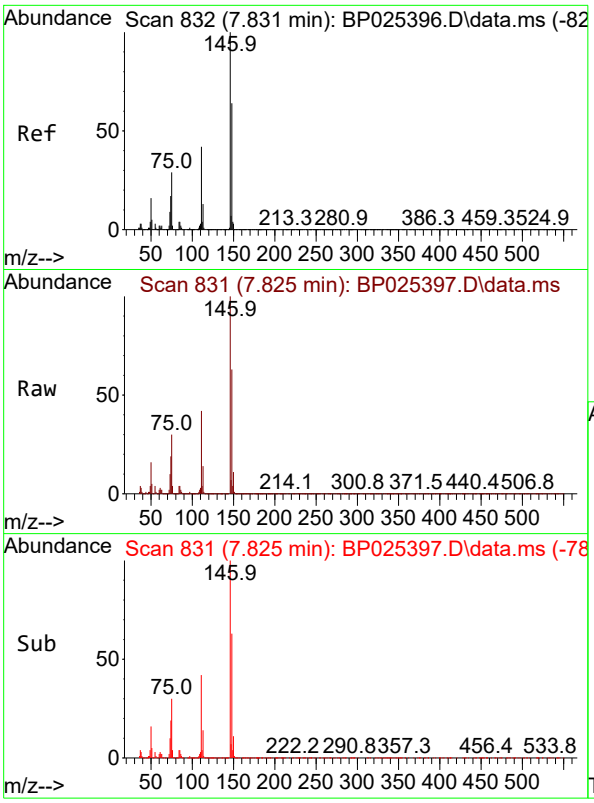


#12
1,3-Dichlorobenzene
Concen: 51.884 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:146 Resp: 536261

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.9	77.9
75	29.6	23.7	35.5

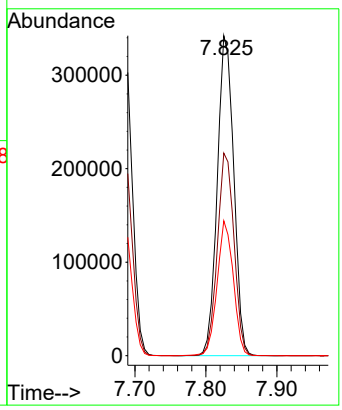




#13
1,4-Dichlorobenzene
Concen: 52.113 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:146 Resp: 55054

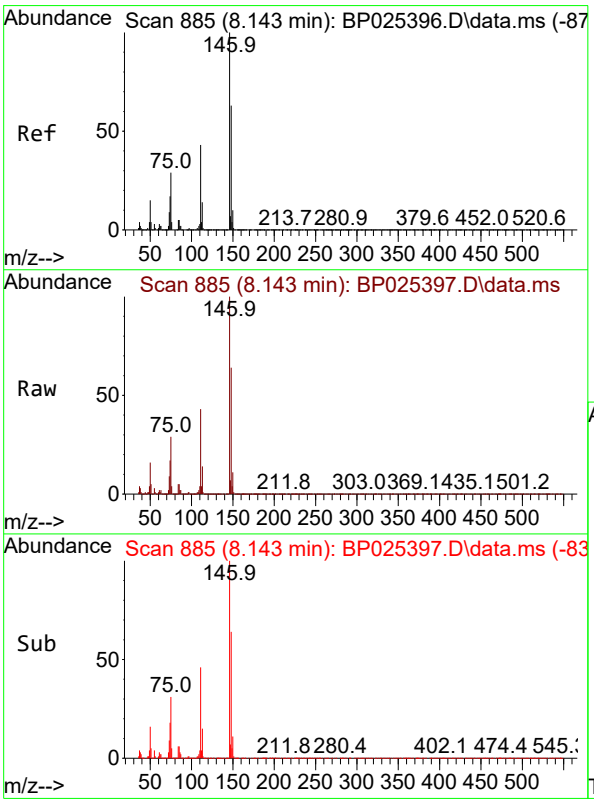
Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.6	77.4
111	42.2	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

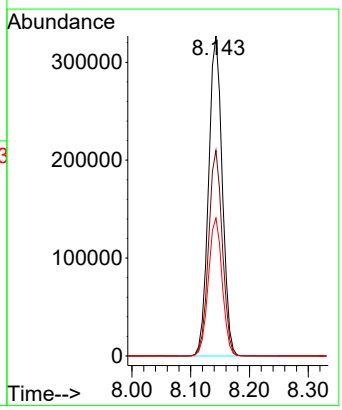
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

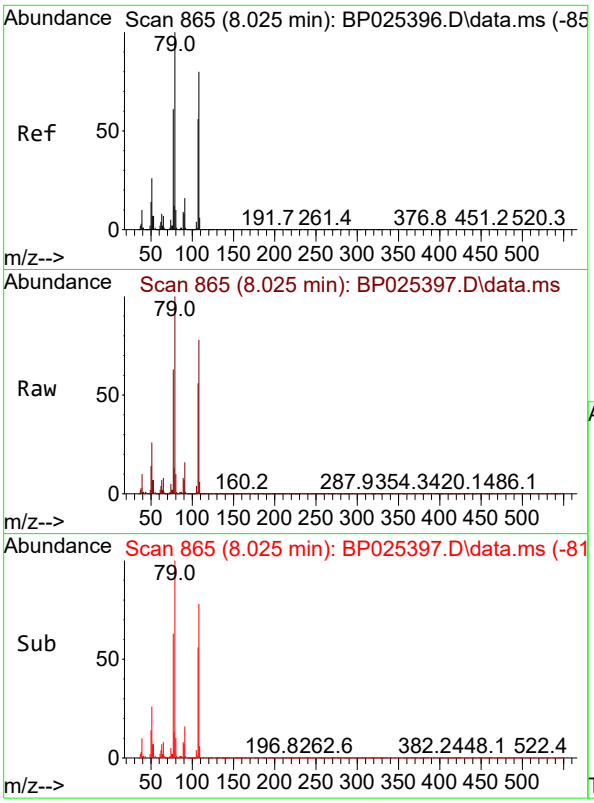


#14
1,2-Dichlorobenzene
Concen: 51.705 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:146 Resp: 528750

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.4	75.6
111	43.1	34.5	51.7

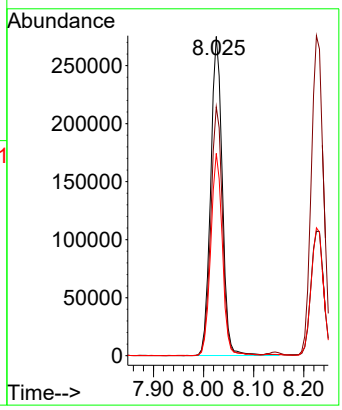




#15
Benzyl Alcohol
Concen: 52.458 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 79 Resp: 44388

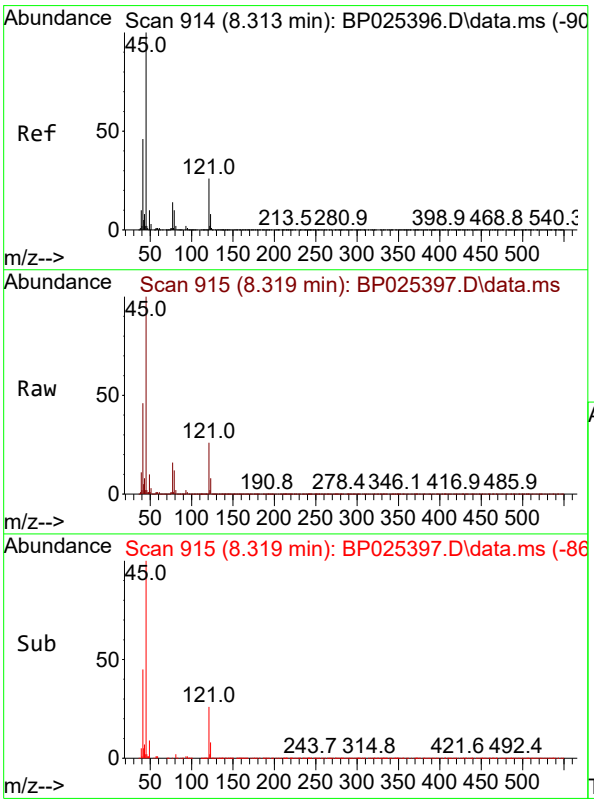
Ion	Ratio	Lower	Upper
79	100		
108	77.9	63.8	95.6
77	63.4	49.0	73.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

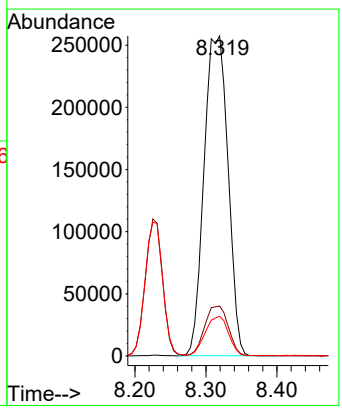
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

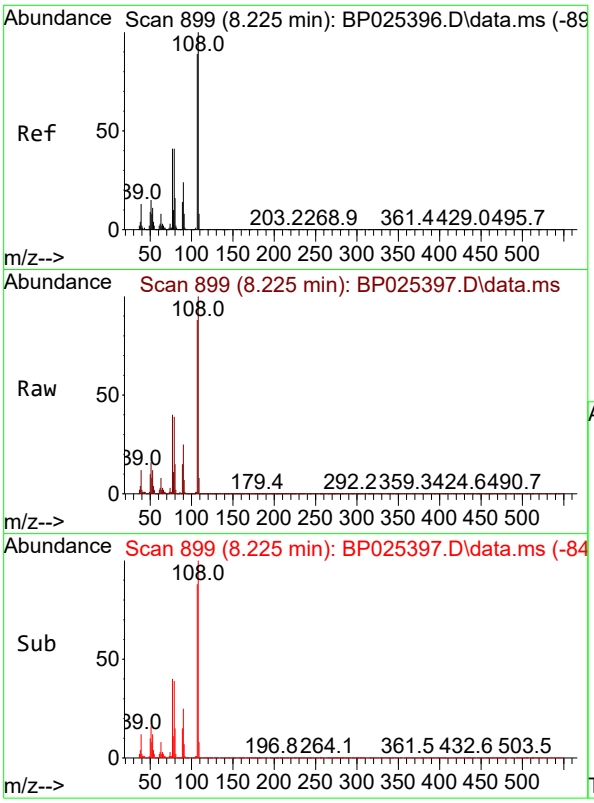


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.742 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 45 Resp: 603716

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.3
79	12.4	0.0	31.8

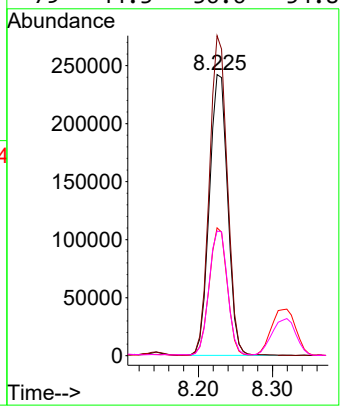




#17
2-Methylphenol
Concen: 53.211 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:107 Resp: 41297

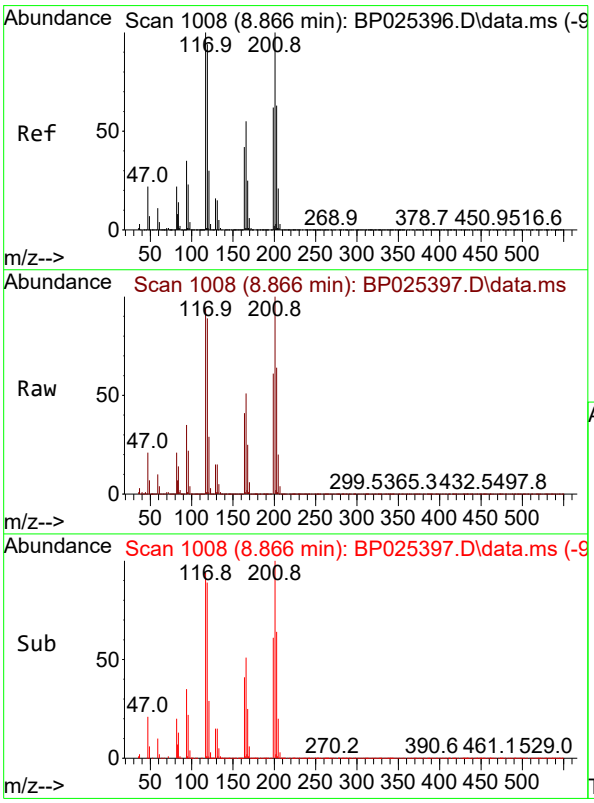
Ion	Ratio	Lower	Upper
107	100		
108	113.8	89.4	134.0
77	45.5	36.3	54.5
79	44.3	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

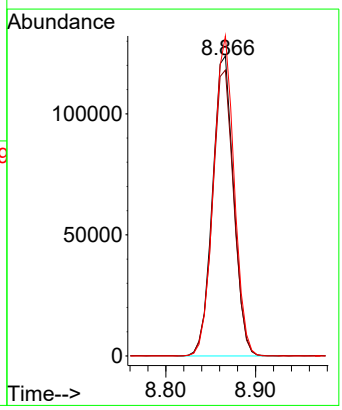
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

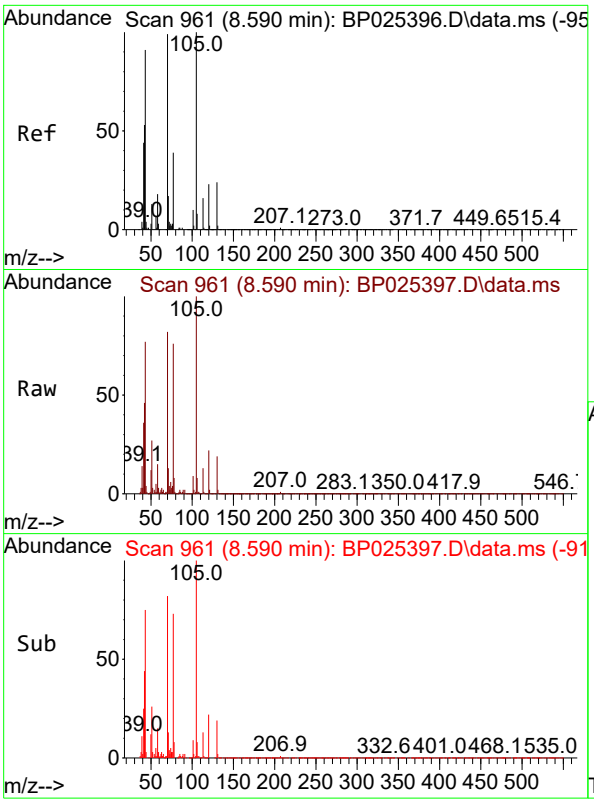


#18
Hexachloroethane
Concen: 52.178 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:117 Resp: 202672

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.1	112.7
201	106.7	80.1	120.1

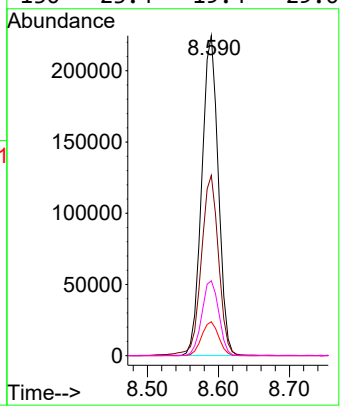




#19
n-Nitroso-di-n-propylamine
Concen: 51.419 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 70 Resp: 36315

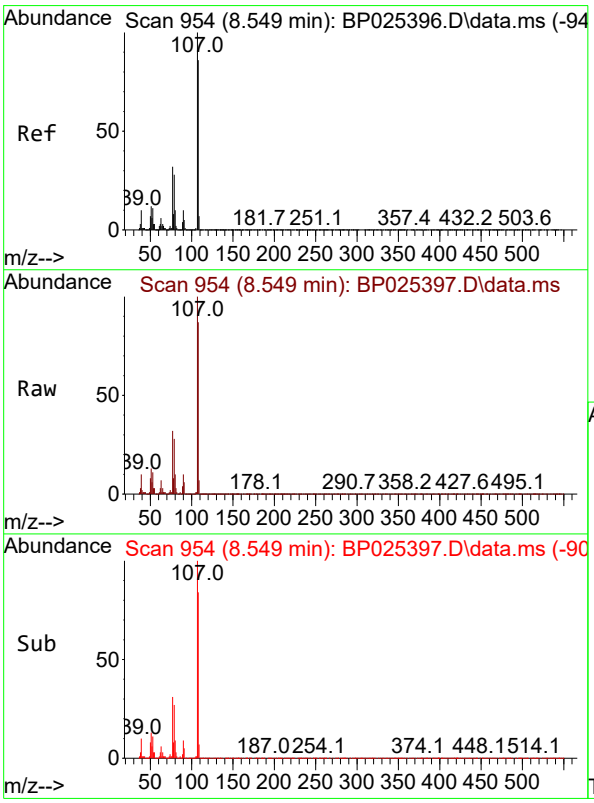
Ion	Ratio	Lower	Upper
70	100		
42	56.4	43.8	65.6
101	10.6	8.5	12.7
130	23.4	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

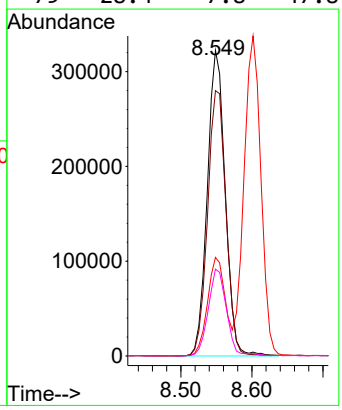
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

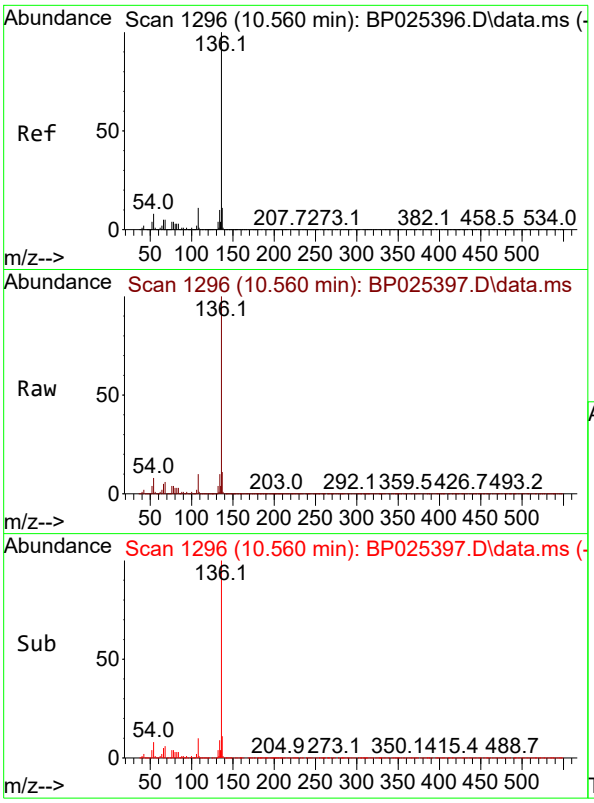


#20
3+4-Methylphenols
Concen: 52.538 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:107 Resp: 565208

Ion	Ratio	Lower	Upper
107	100		
108	86.8	66.3	106.3
77	32.2	12.3	52.3
79	28.4	7.8	47.8

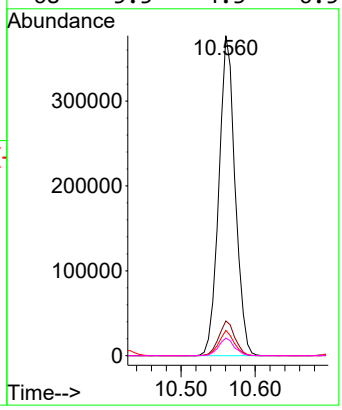




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:136 Resp: 57391

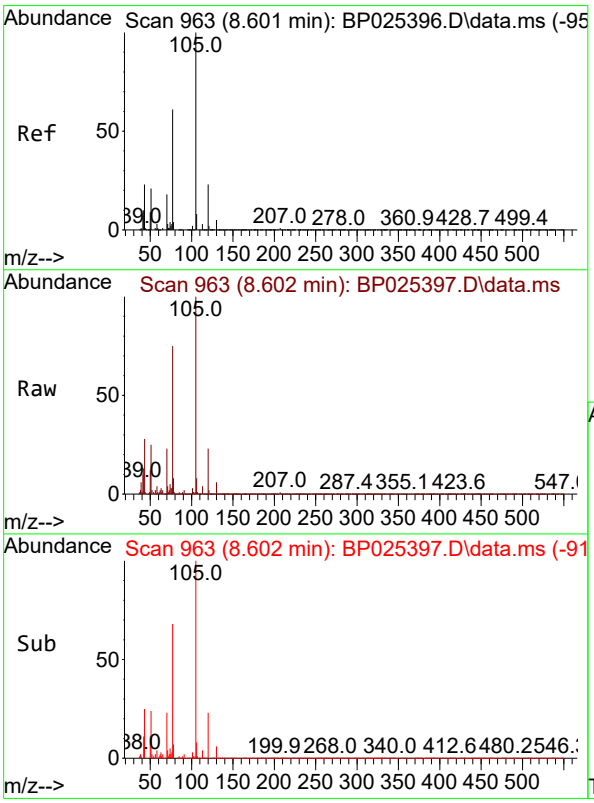
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.9	6.0	9.0
68	5.5	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

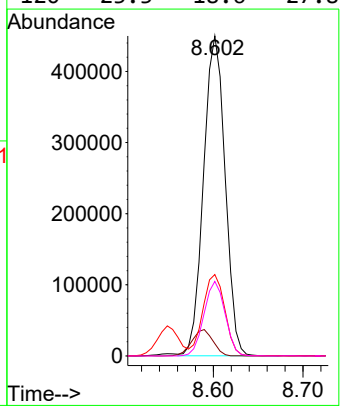
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

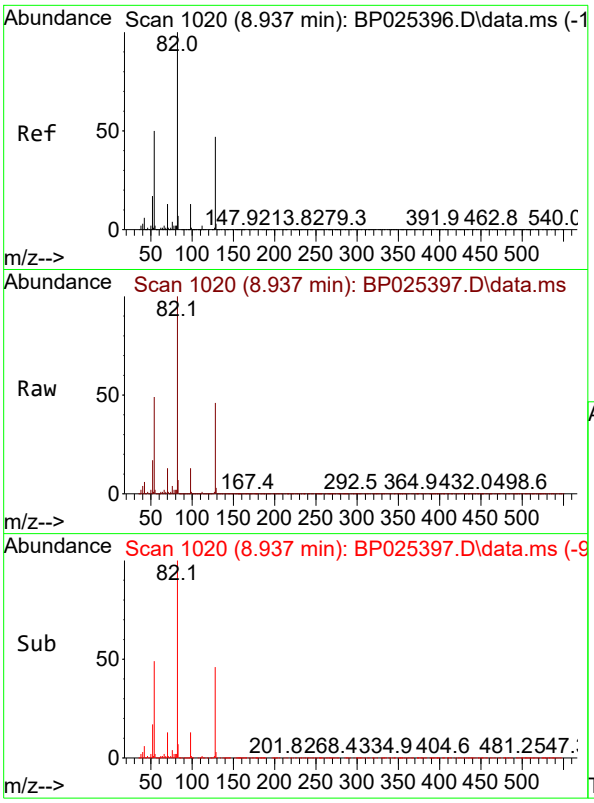


#22
Acetophenone
Concen: 52.131 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:105 Resp: 750308

Ion	Ratio	Lower	Upper
105	100		
71	3.9	2.6	4.0
51	25.5	20.6	30.8
120	23.3	18.6	27.8

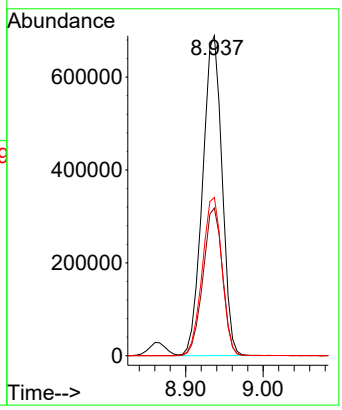




#23
Nitrobenzene-d5
Concen: 105.910 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 82 Resp: 120160

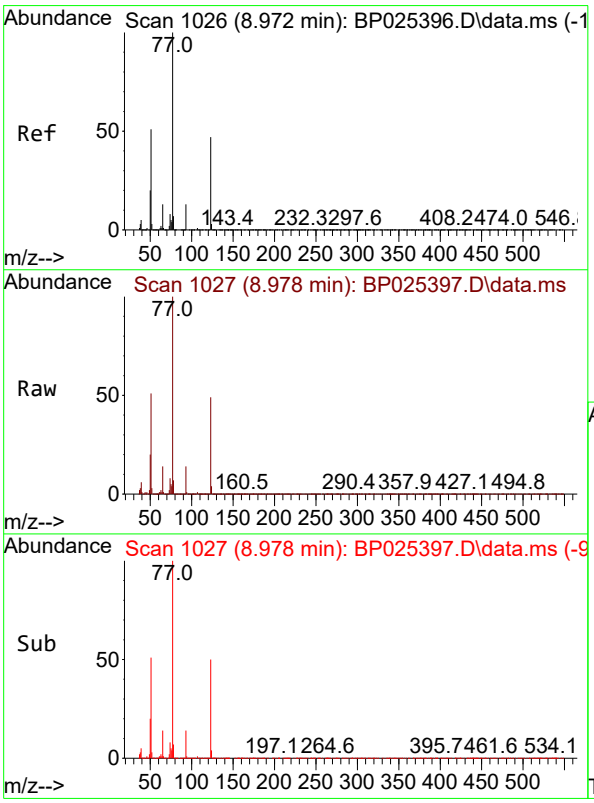
Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.7	56.5
54	49.4	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

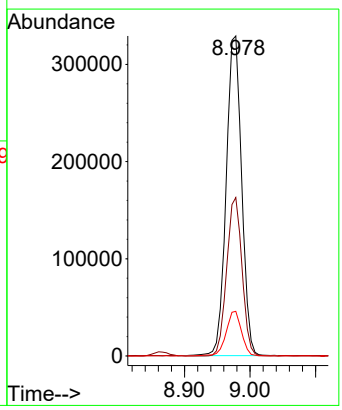
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

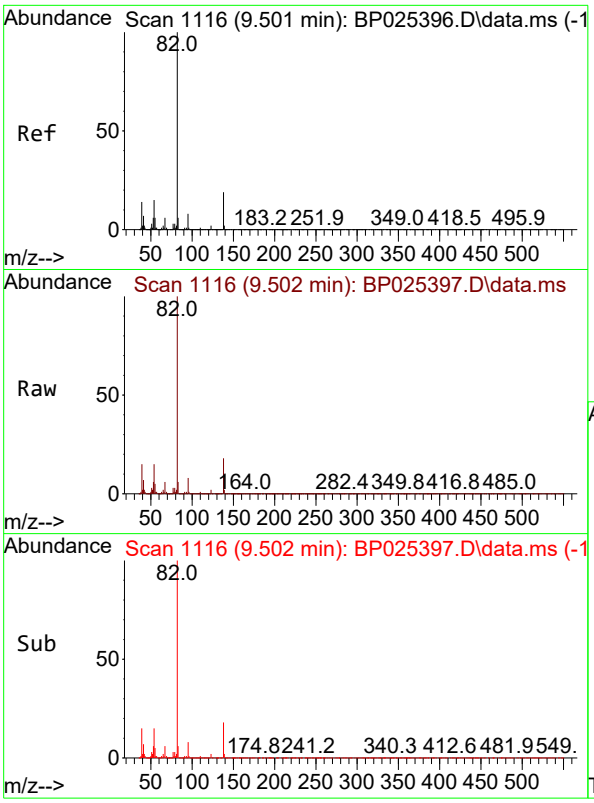


#24
Nitrobenzene
Concen: 53.024 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 77 Resp: 537647

Ion	Ratio	Lower	Upper
77	100		
123	49.5	38.6	58.0
65	13.9	10.6	15.8

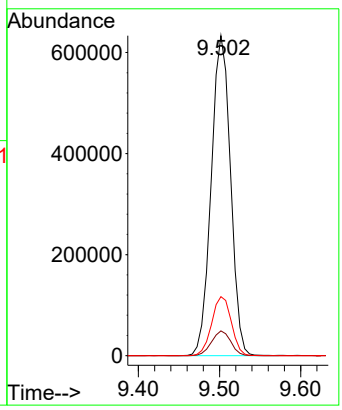




#25
Isophorone
Concen: 52.182 ng
RT: 9.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 82 Resp: 104773

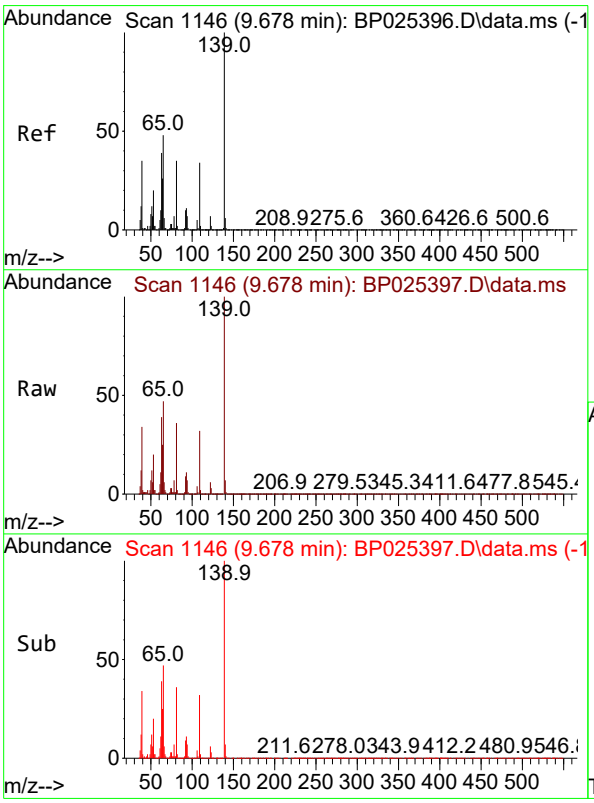
Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.5	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

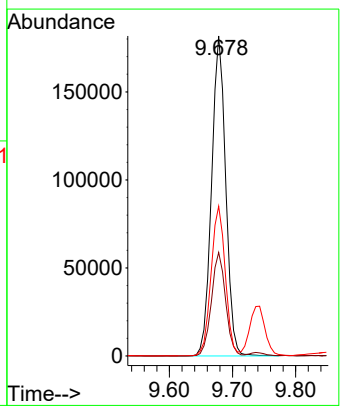
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

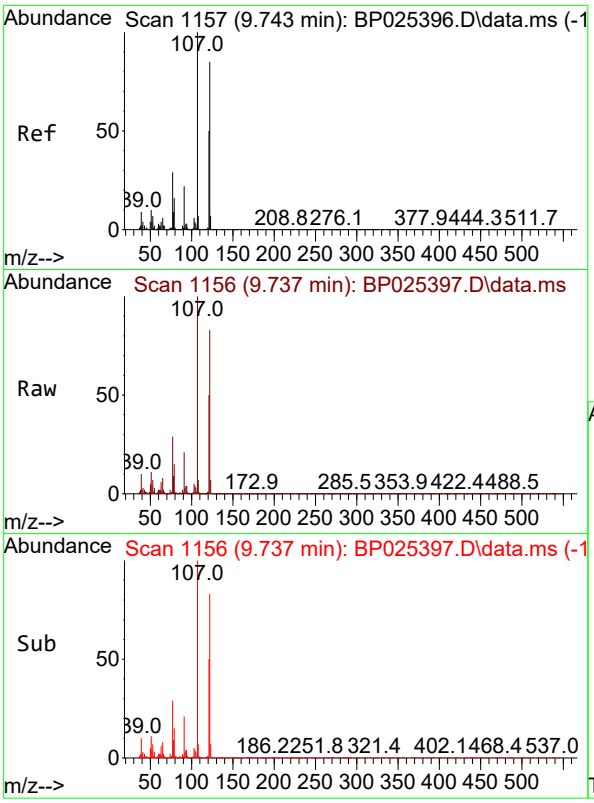


#26
2-Nitrophenol
Concen: 54.323 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:139 Resp: 282682

Ion	Ratio	Lower	Upper
139	100		
109	32.3	26.9	40.3
65	46.8	38.3	57.5

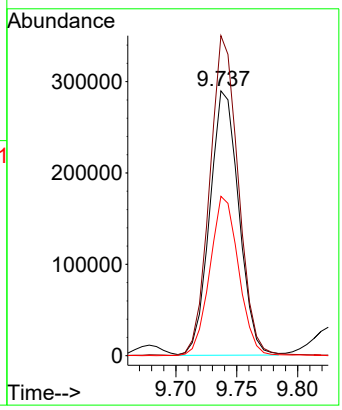




#27
2,4-Dimethylphenol
Concen: 53.806 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:122 Resp: 48150

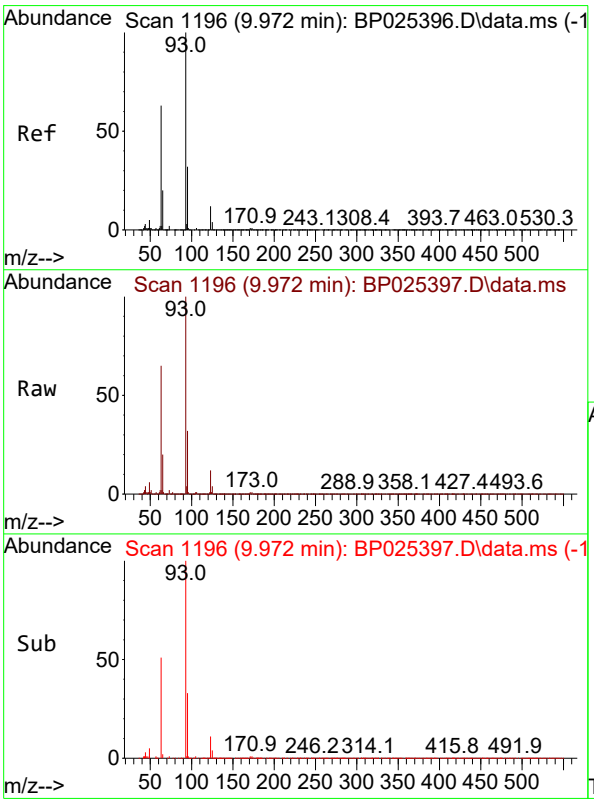
Ion	Ratio	Lower	Upper
122	100		
107	120.8	93.7	140.5
121	60.2	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

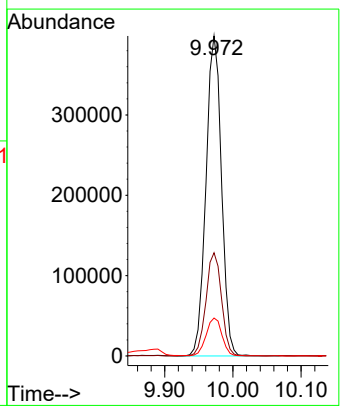
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

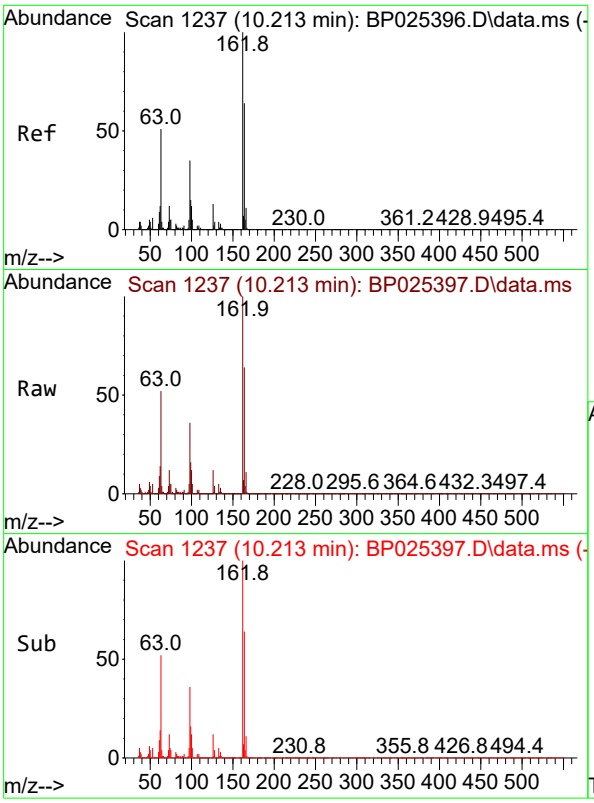


#28
bis(2-Chloroethoxy)methane
Concen: 51.909 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 630027

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.4	38.0
123	11.8	9.4	14.0

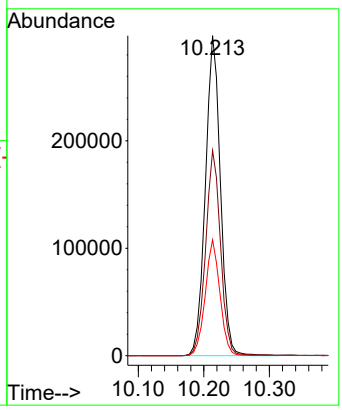




#29
2,4-Dichlorophenol
Concen: 53.478 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:162 Resp: 47540

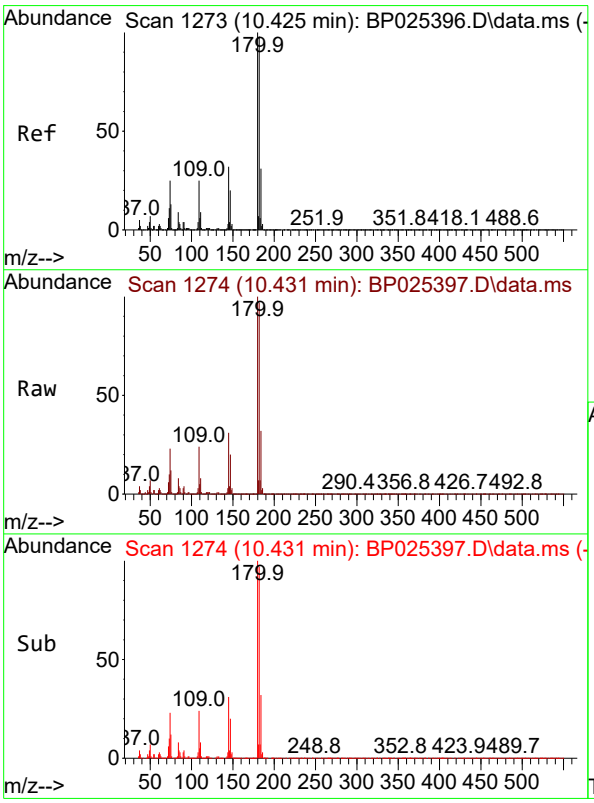
Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.4	84.4
98	36.2	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

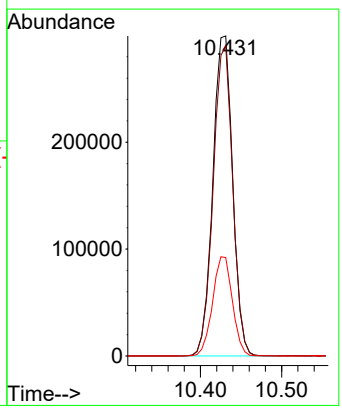
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

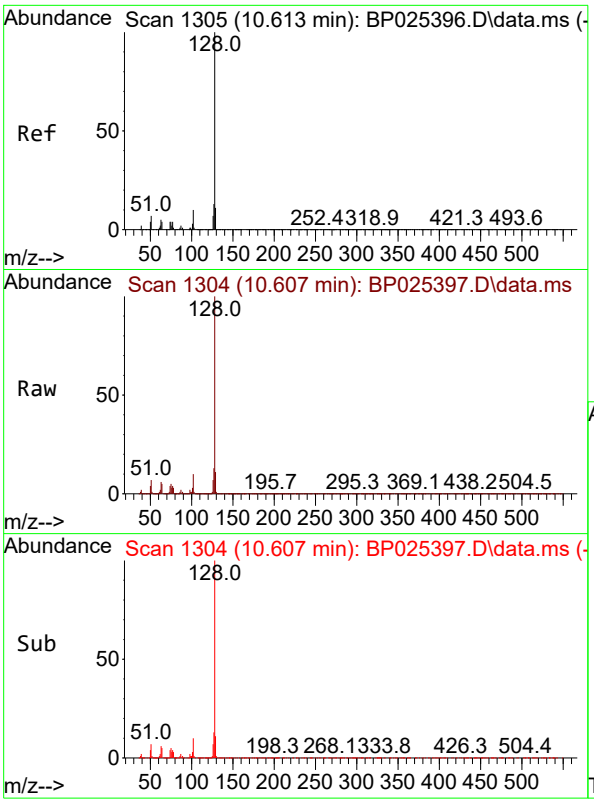


#30
1,2,4-Trichlorobenzene
Concen: 52.101 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:180 Resp: 507724

Ion	Ratio	Lower	Upper
180	100		
182	97.0	78.0	117.0
145	30.8	25.9	38.9

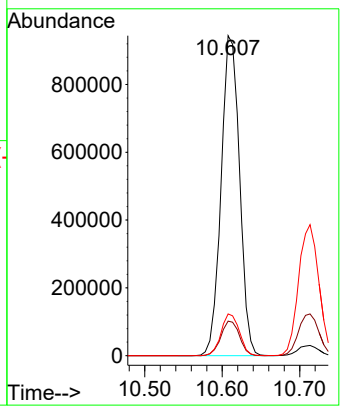




#31
Naphthalene
Concen: 52.305 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:128 Resp: 156024

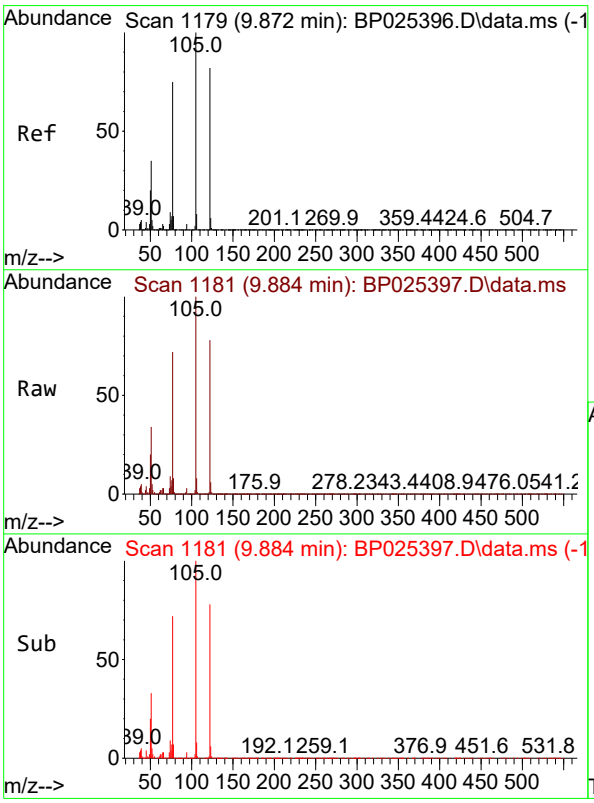
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

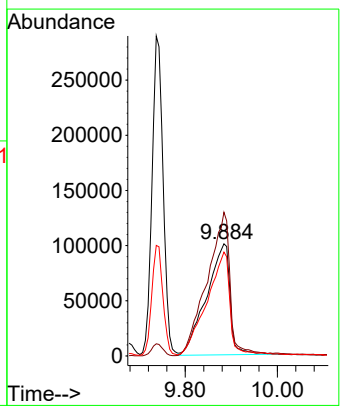
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

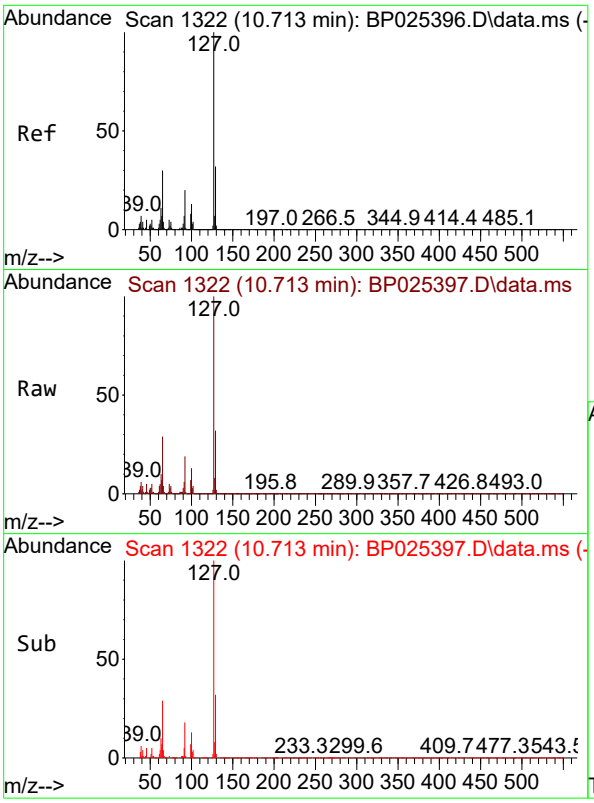


#32
Benzoic acid
Concen: 54.274 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:122 Resp: 357706

Ion	Ratio	Lower	Upper
122	100		
105	128.1	100.6	140.6
77	92.6	71.5	111.5

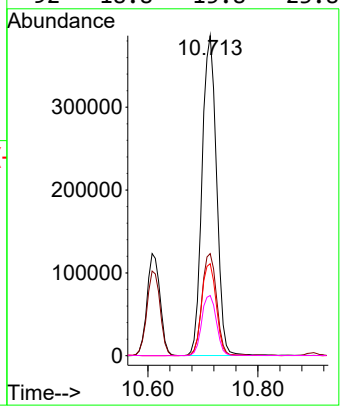




#33
4-Chloroaniline
Concen: 53.548 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:127 Resp: 70556

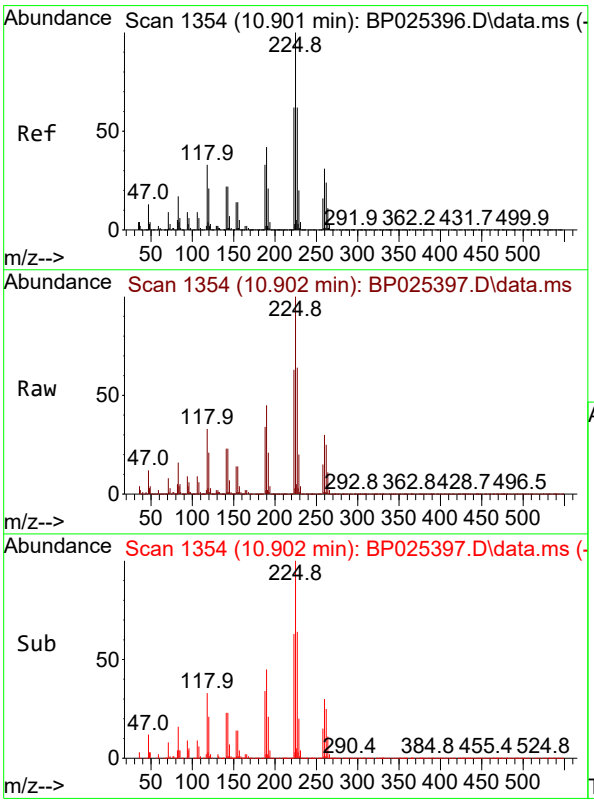
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	28.7	23.8	35.6
92	18.8	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

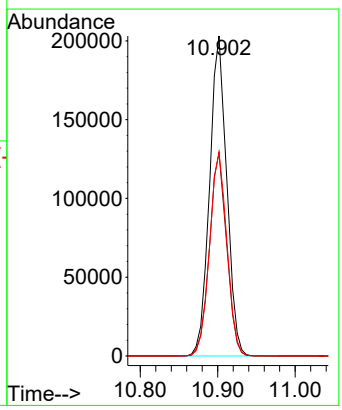
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

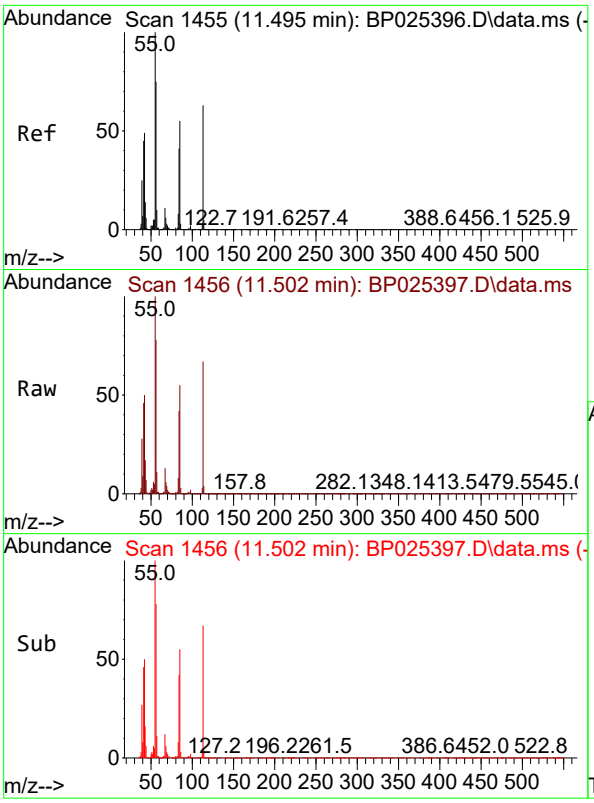


#34
Hexachlorobutadiene
Concen: 51.436 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:225 Resp: 312163

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.0	75.0
227	63.7	49.7	74.5





#35
Caprolactam
Concen: 52.969 ng
RT: 11.502 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

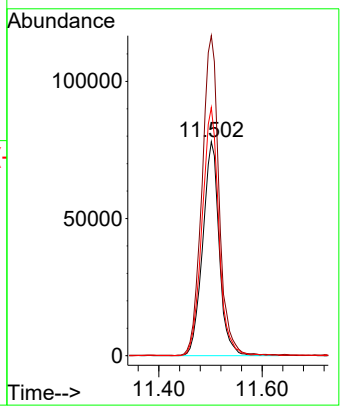
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

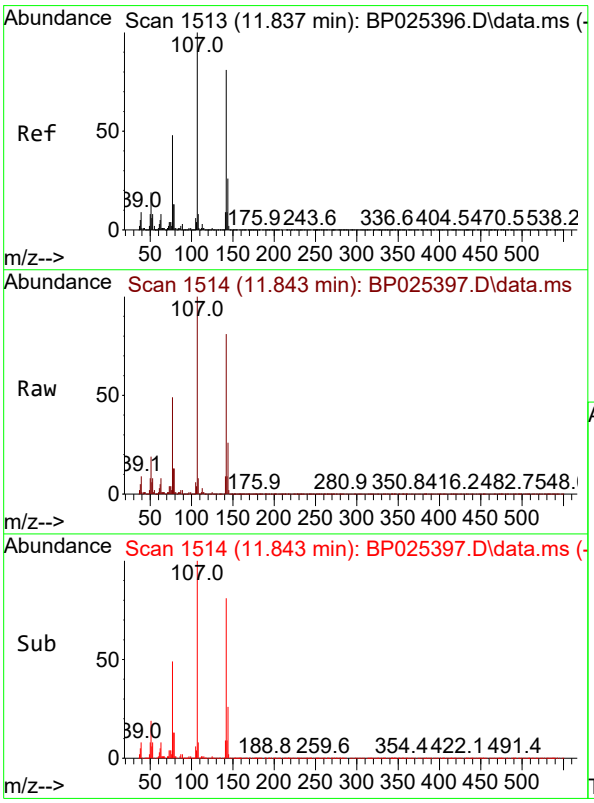
Tgt Ion:113 Resp: 17266

Ion	Ratio	Lower	Upper
113	100		
55	149.6	140.0	180.0
56	116.0	100.0	140.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

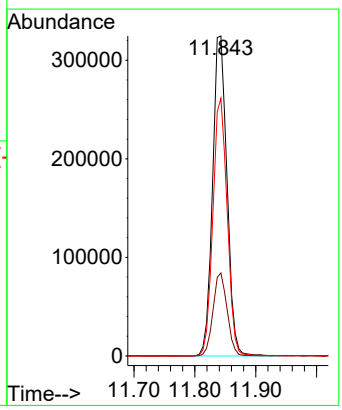


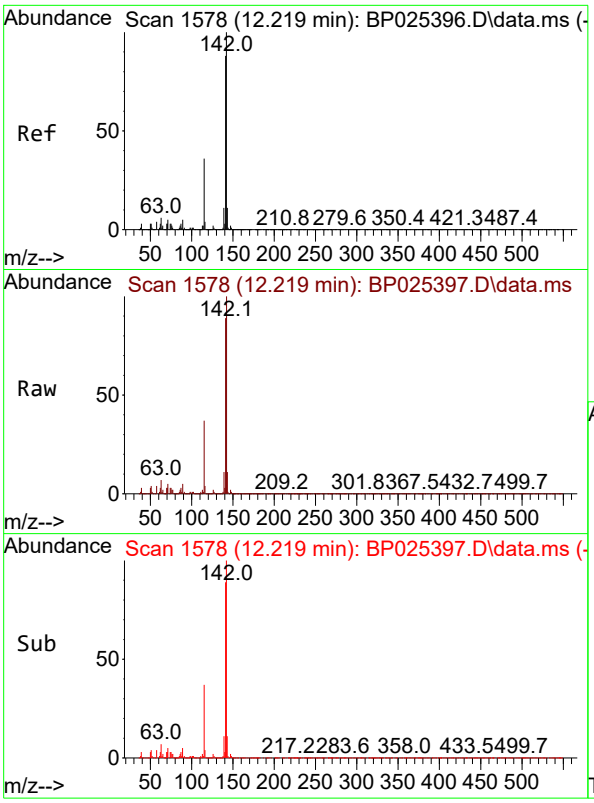


#36
4-Chloro-3-methylphenol
Concen: 52.407 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:107 Resp: 534583

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.0	31.4
142	80.6	64.6	97.0

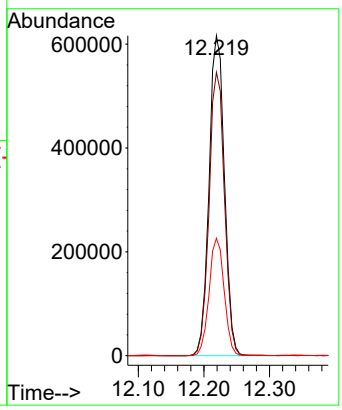




#37
2-Methylnaphthalene
Concen: 51.710 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:142 Resp: 100381

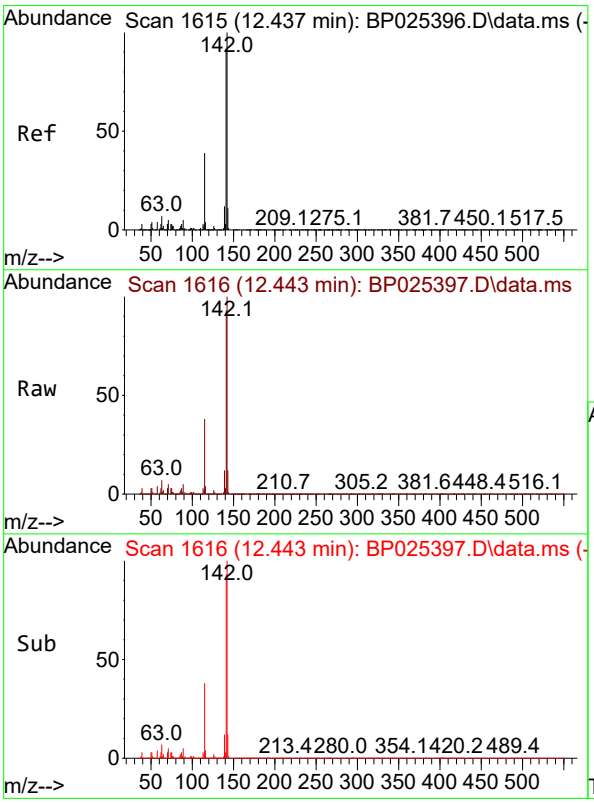
Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5
115	36.7	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

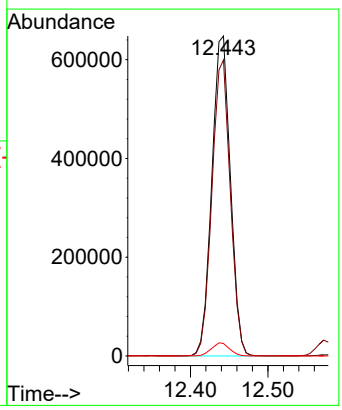
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

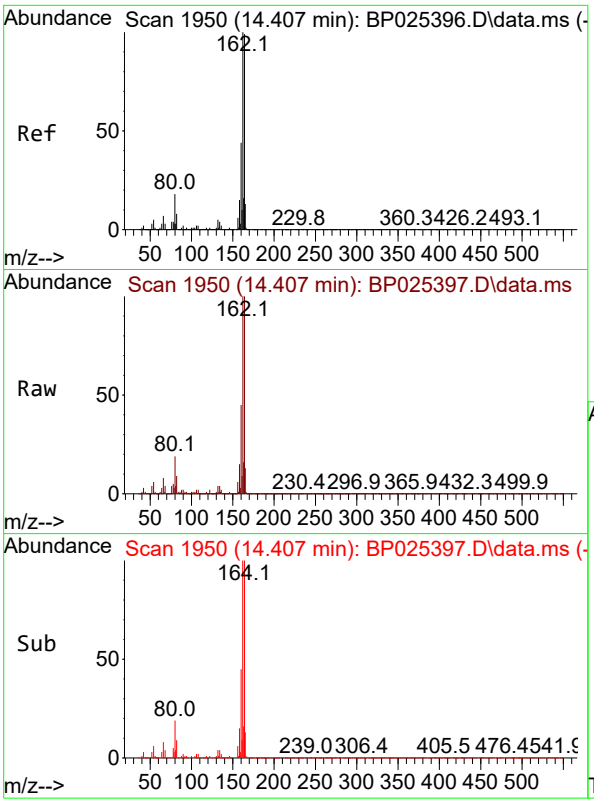


#38
1-Methylnaphthalene
Concen: 52.167 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:142 Resp: 1076949

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.1	109.7
116	3.9	3.2	4.8

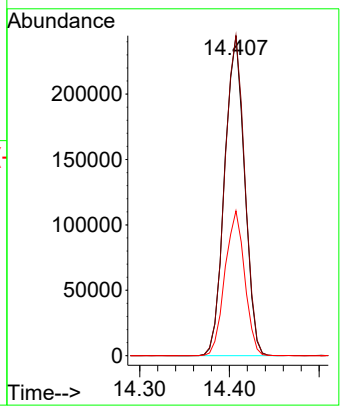




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:164 Resp: 37673

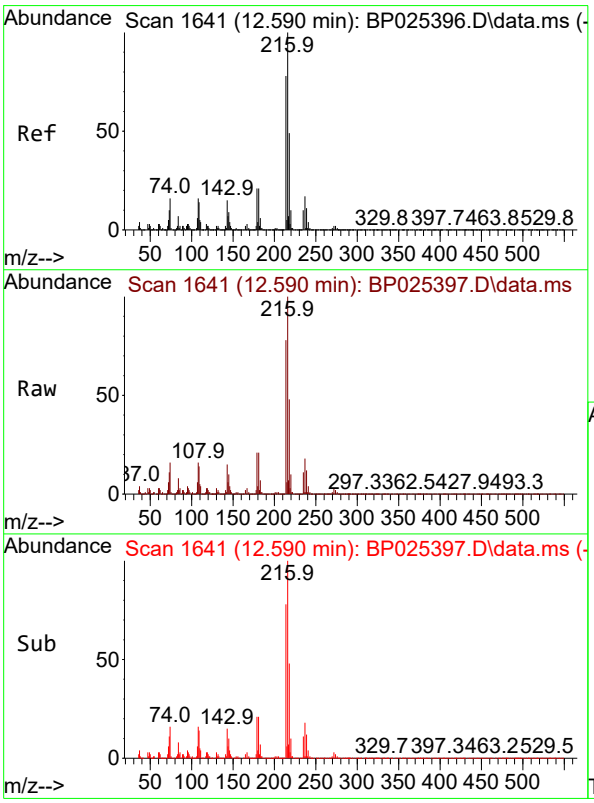
Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.0	121.6
160	45.2	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

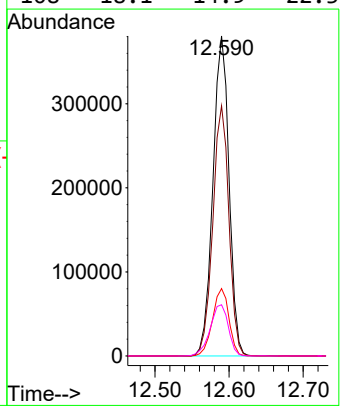
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

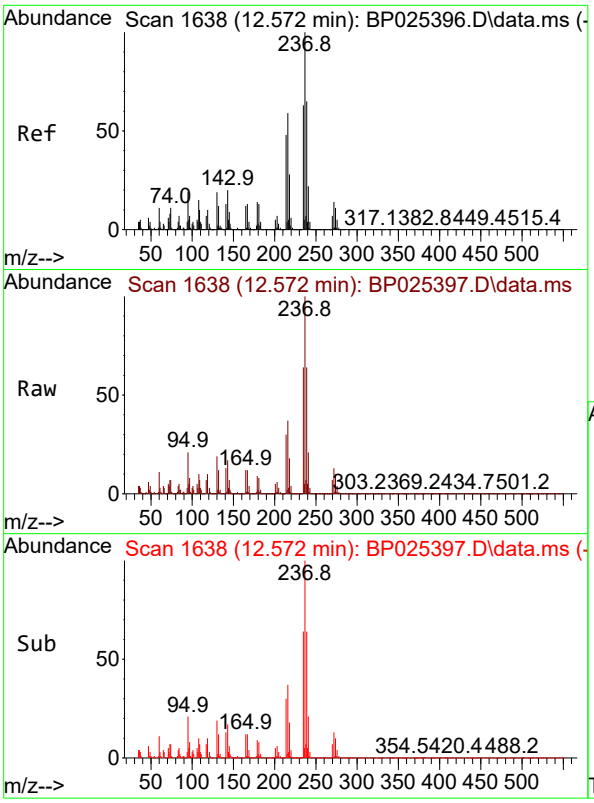


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.769 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:216 Resp: 574152

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.0	94.4
179	21.5	17.1	25.7
108	18.1	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 55.392 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

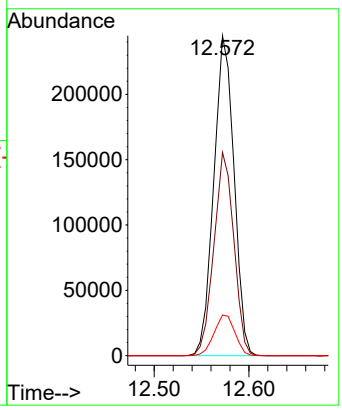
Tgt Ion:237 Resp: 36404

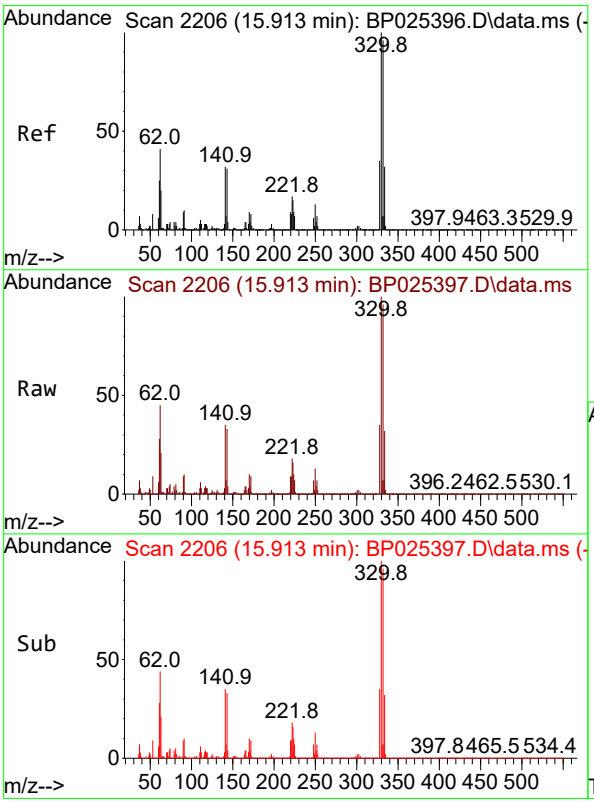
Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.7	82.7
272	12.7	0.0	34.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

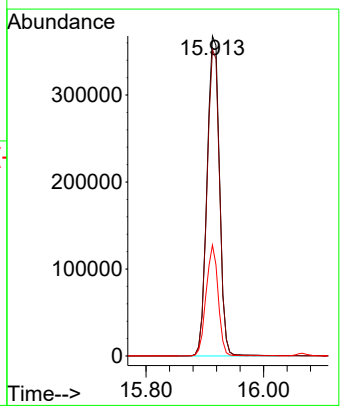


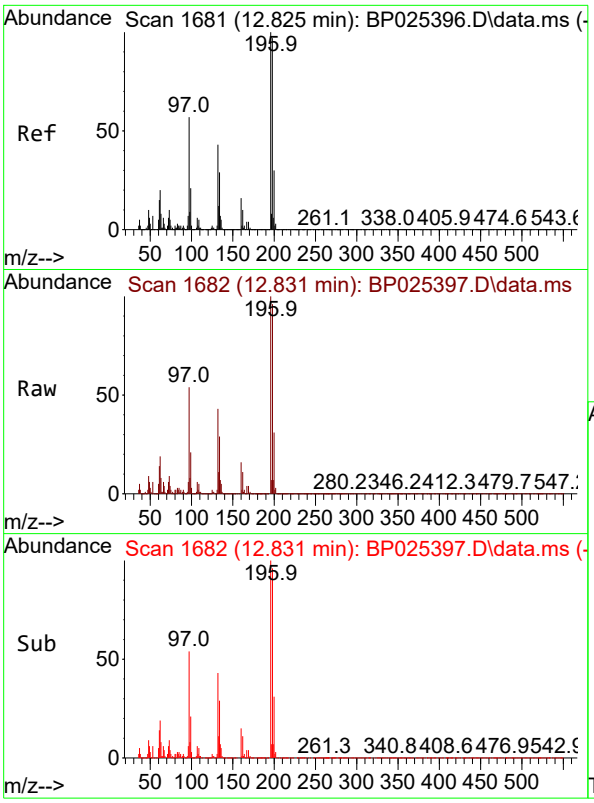


#42
2,4,6-Tribromophenol
Concen: 106.352 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:330 Resp: 539295

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	33.5	26.6	39.8

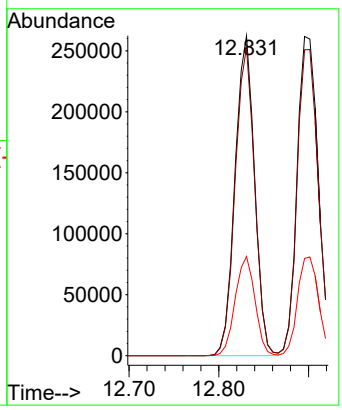




#43
2,4,6-Trichlorophenol
Concen: 53.971 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:196 Resp: 39644

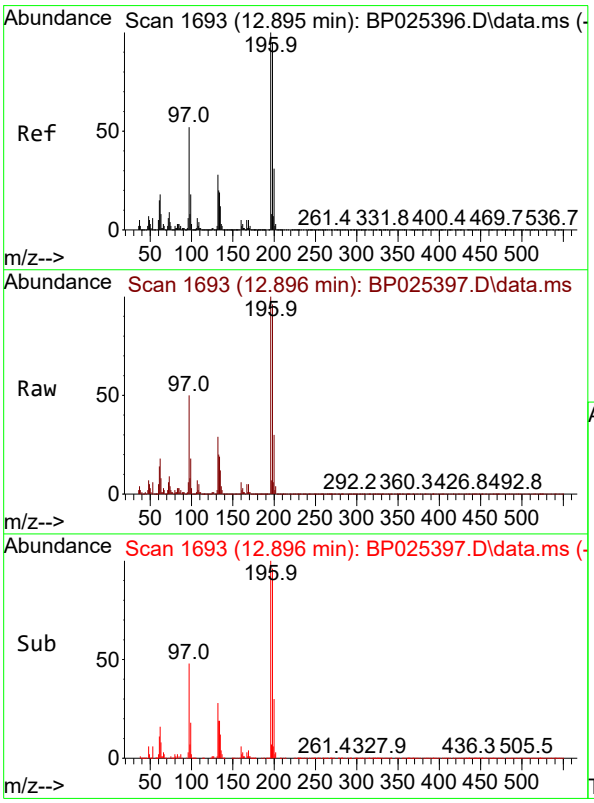
Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.2	115.8
200	31.0	23.9	35.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

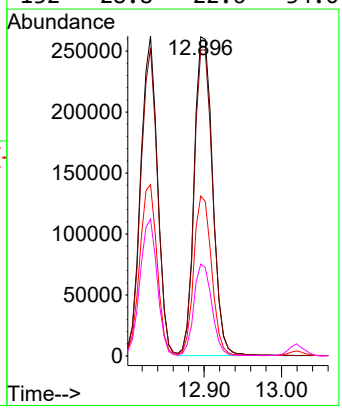
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

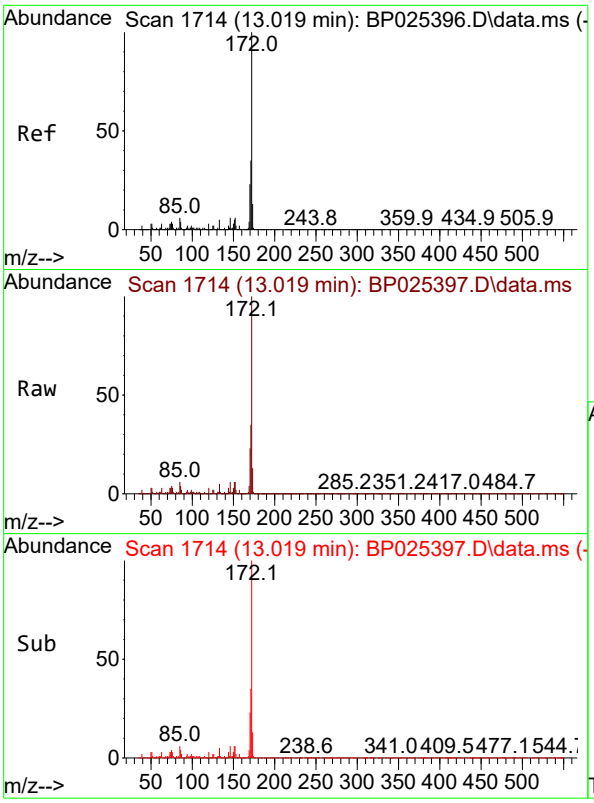


#44
2,4,5-Trichlorophenol
Concen: 53.421 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:196 Resp: 430061

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.2	114.2
97	50.1	41.2	61.8
132	28.8	22.6	34.0

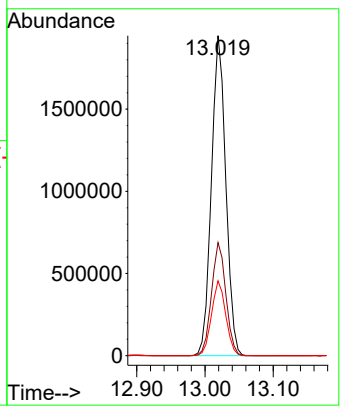




#45
2-Fluorobiphenyl
Concen: 103.632 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:172 Resp: 285663

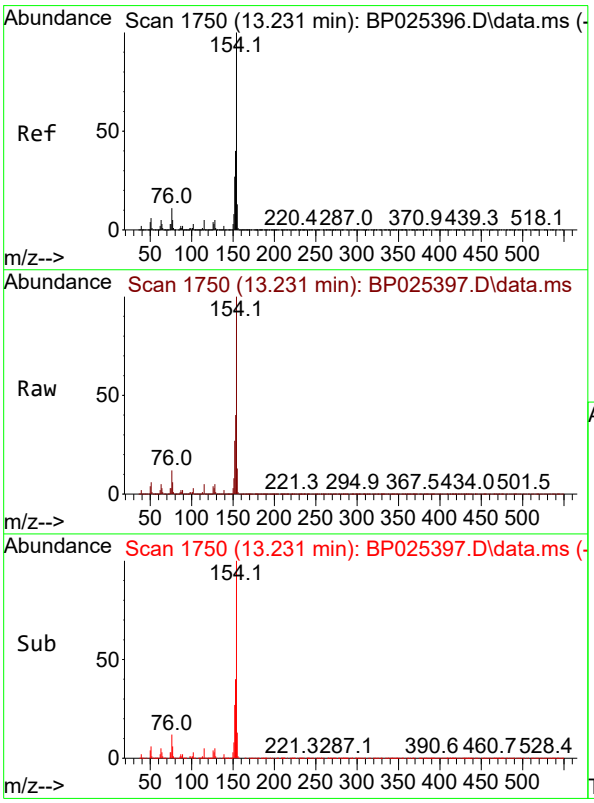
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.4	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

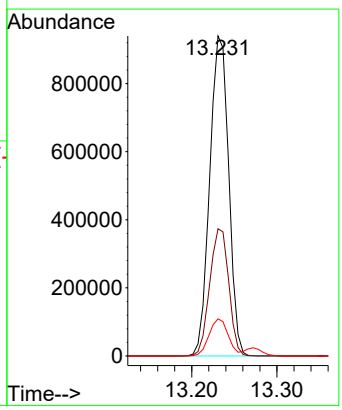
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

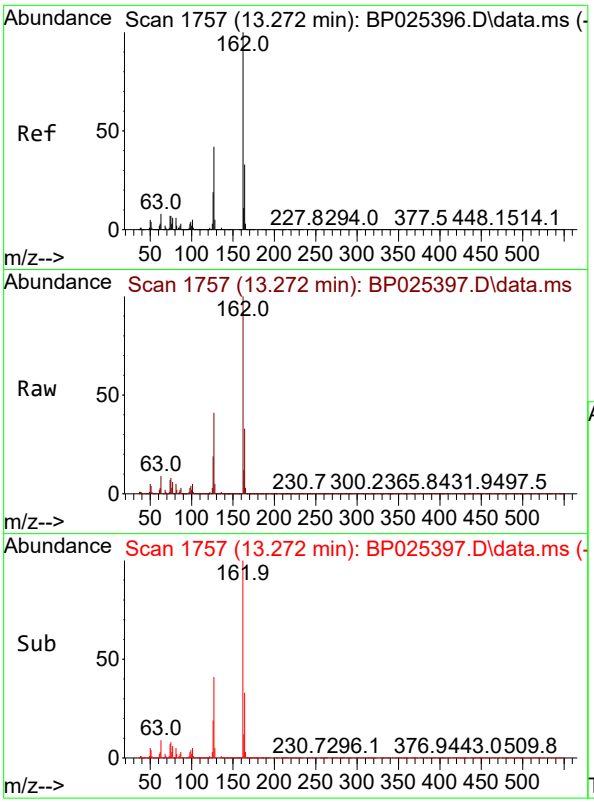


#46
1,1'-Biphenyl
Concen: 52.922 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:154 Resp: 1447968

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.5	59.5
76	11.6	0.0	31.1

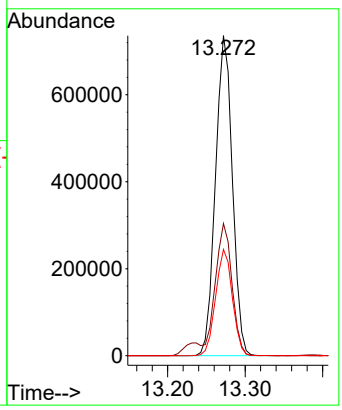




#47
2-Chloronaphthalene
Concen: 52.344 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:162 Resp: 111492

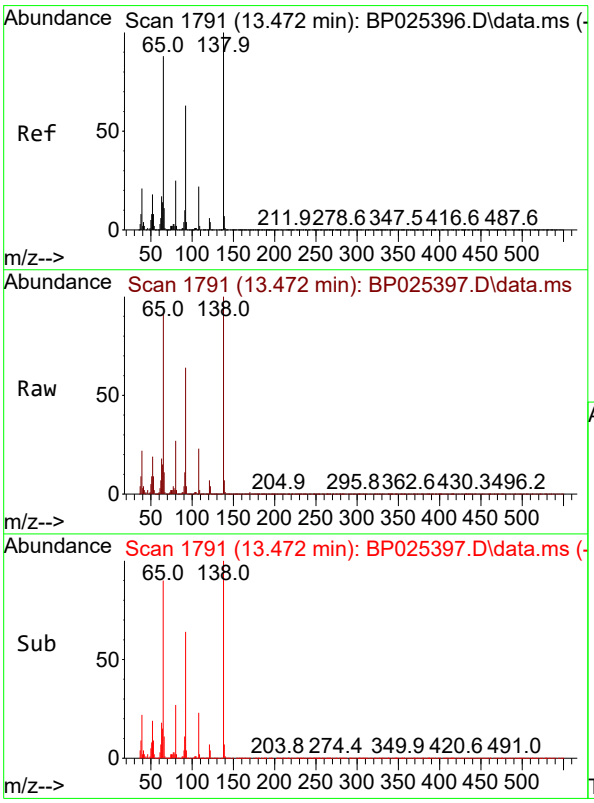
Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.4	50.2
164	33.2	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

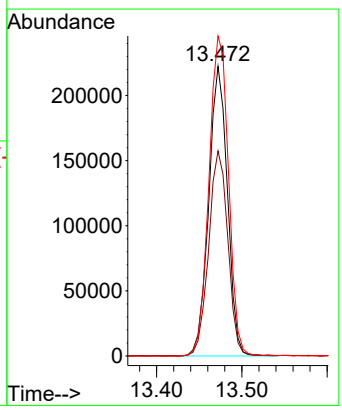
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

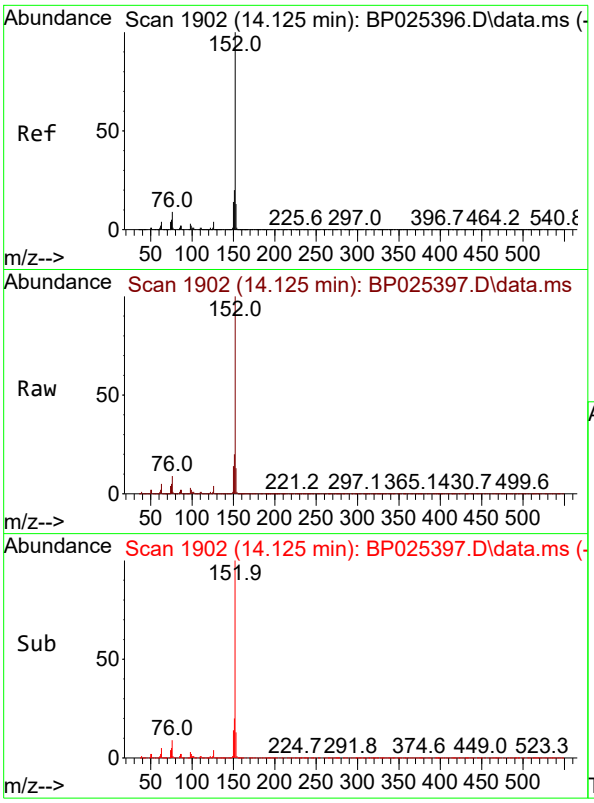


#48
2-Nitroaniline
Concen: 54.613 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 65 Resp: 338939

Ion	Ratio	Lower	Upper
65	100		
92	70.7	57.6	86.4
138	110.5	91.0	136.6

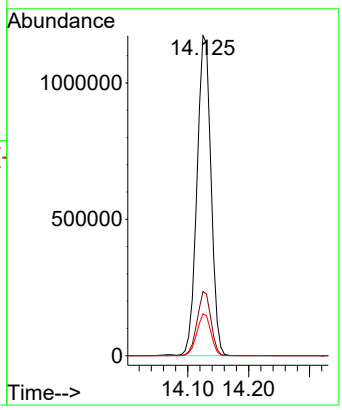




#49
Acenaphthylene
Concen: 53.227 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:152 Resp: 187599

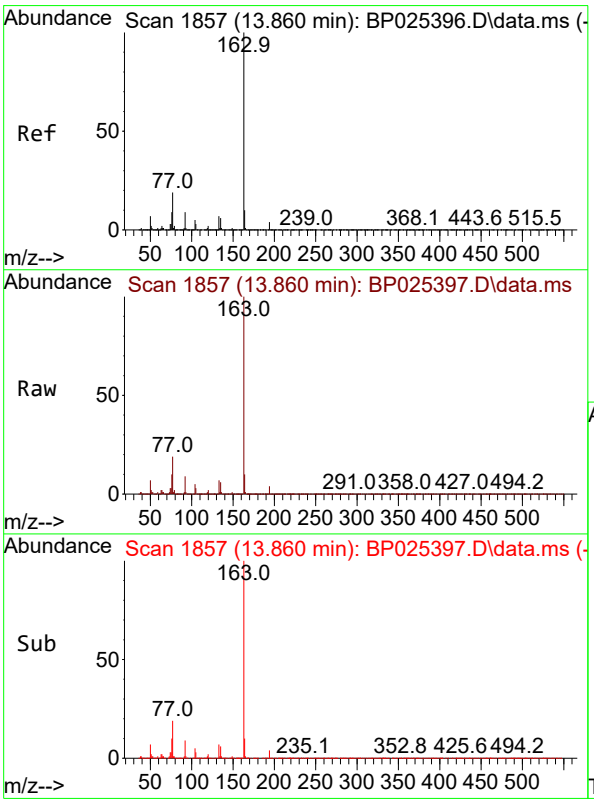
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.1	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

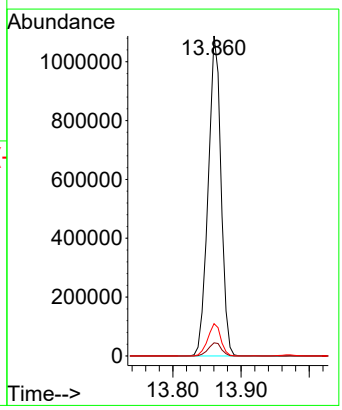
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

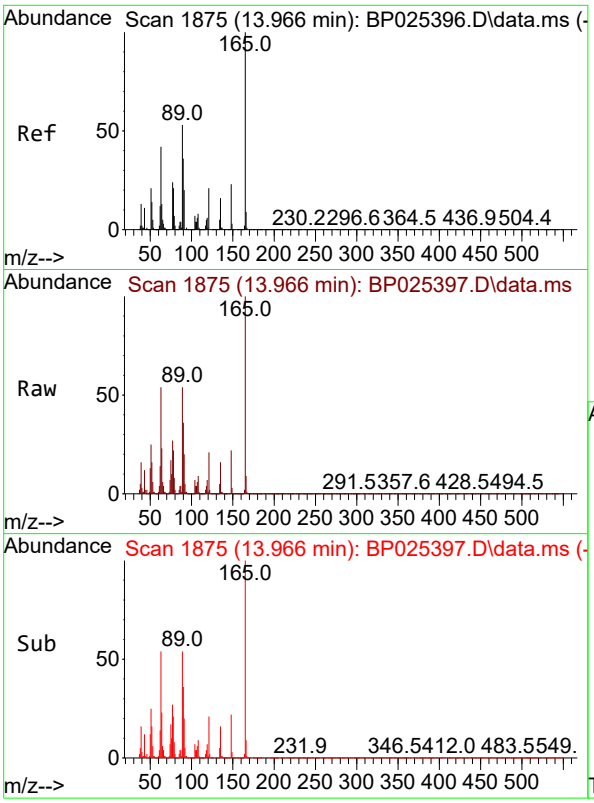


#50
Dimethylphthalate
Concen: 51.622 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:163 Resp: 1424127

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9

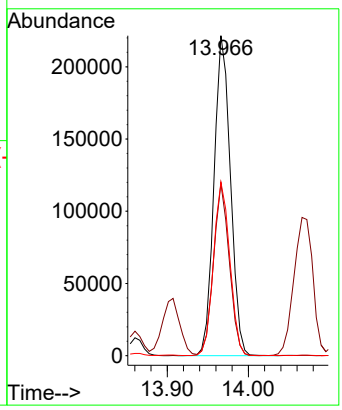




#51
2,6-Dinitrotoluene
Concen: 53.683 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:165 Resp: 31214

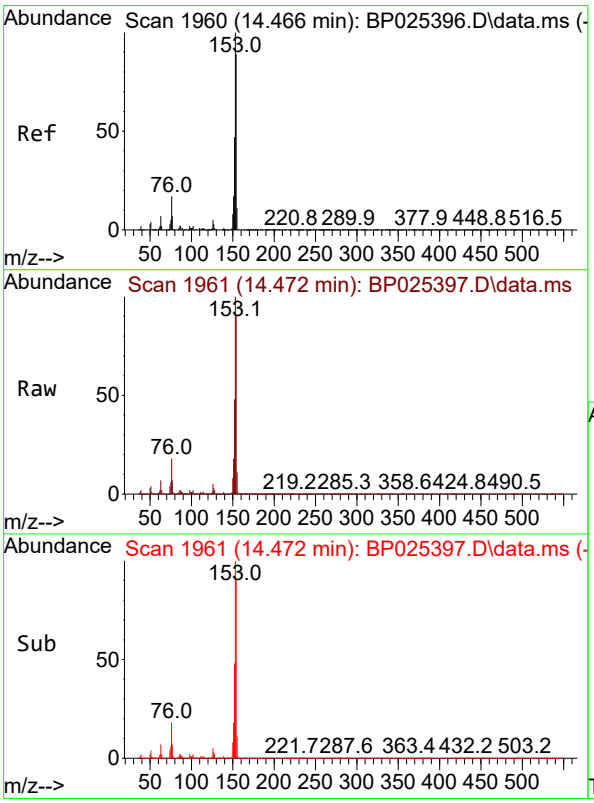
Ion	Ratio	Lower	Upper
165	100		
63	53.8	40.9	61.3
89	54.2	42.1	63.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

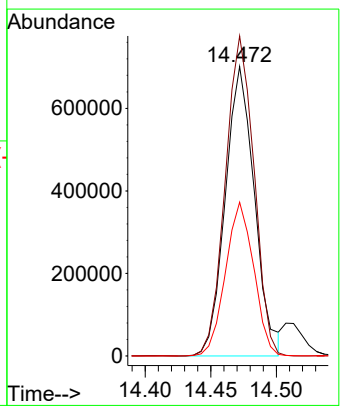
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

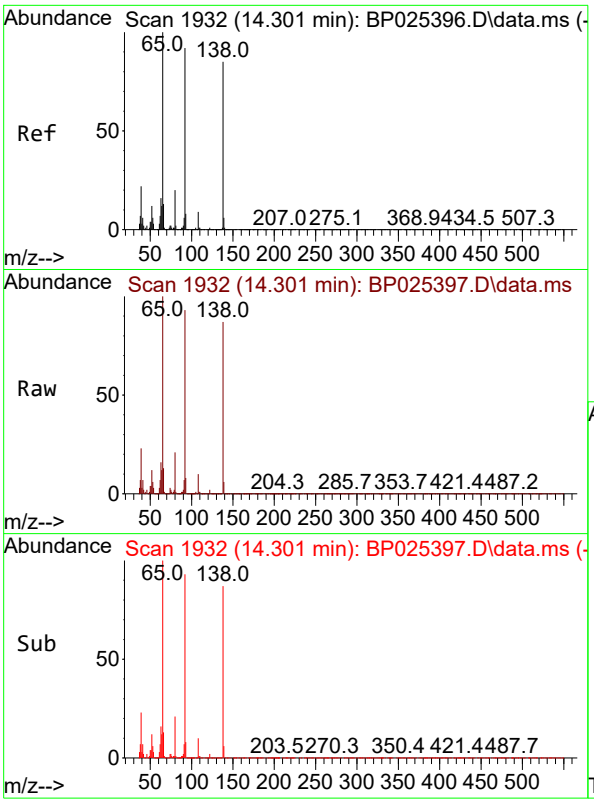


#52
Acenaphthene
Concen: 52.577 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:154 Resp: 1087721

Ion	Ratio	Lower	Upper
154	100		
153	110.6	90.2	135.2
152	53.1	42.1	63.1





#53
3-Nitroaniline
Concen: 55.339 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

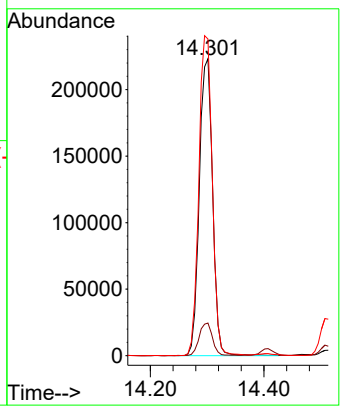
Tgt Ion:138 Resp: 36203

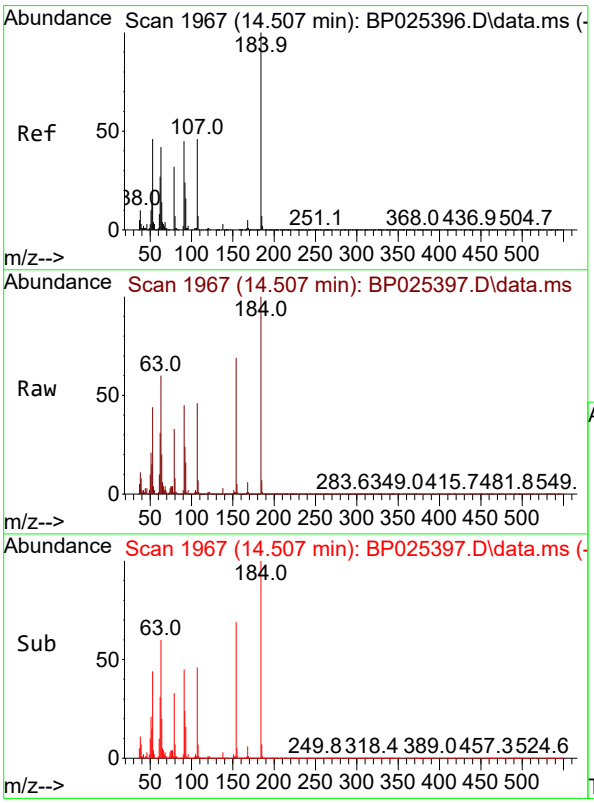
Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.3	12.5
92	106.6	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

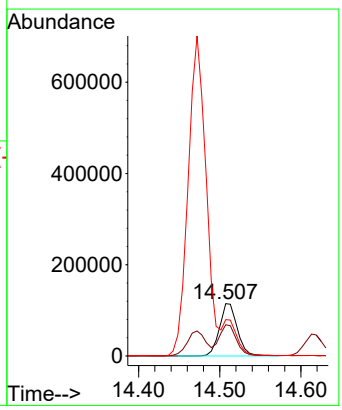


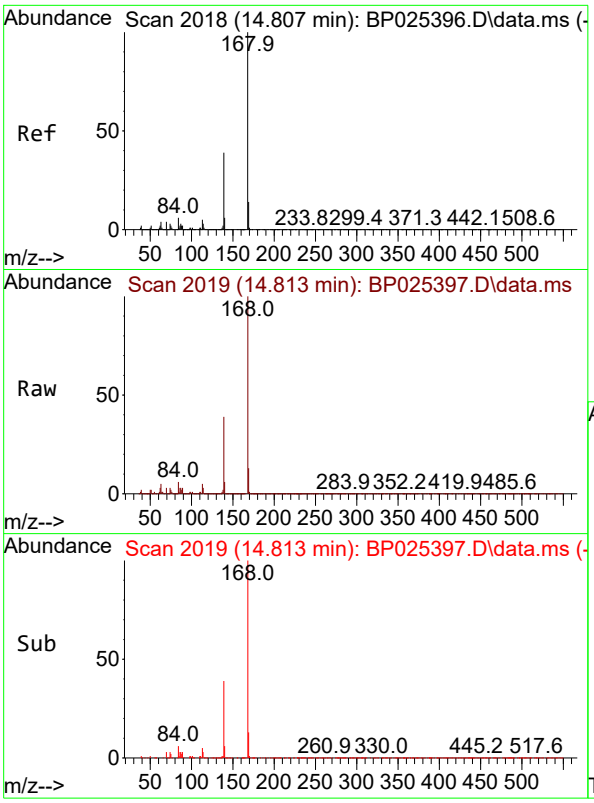


#54
2,4-Dinitrophenol
Concen: 56.503 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:184 Resp: 175453

Ion	Ratio	Lower	Upper
184	100		
63	59.7	49.4	74.2
154	69.4	54.6	82.0

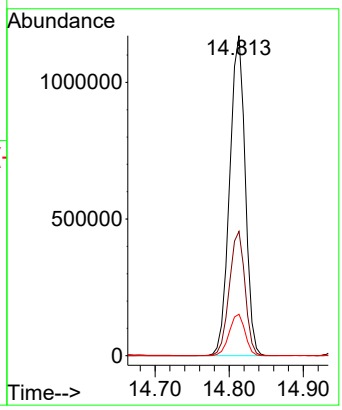




#55
Dibenzofuran
Concen: 52.147 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:168 Resp: 170563

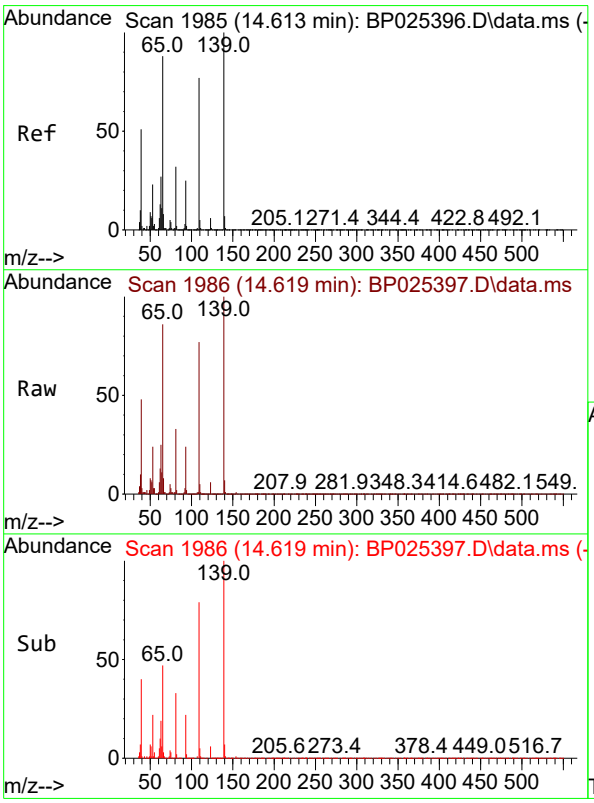
Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.5	47.3
169	13.0	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

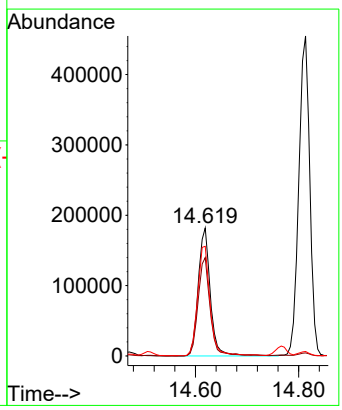
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

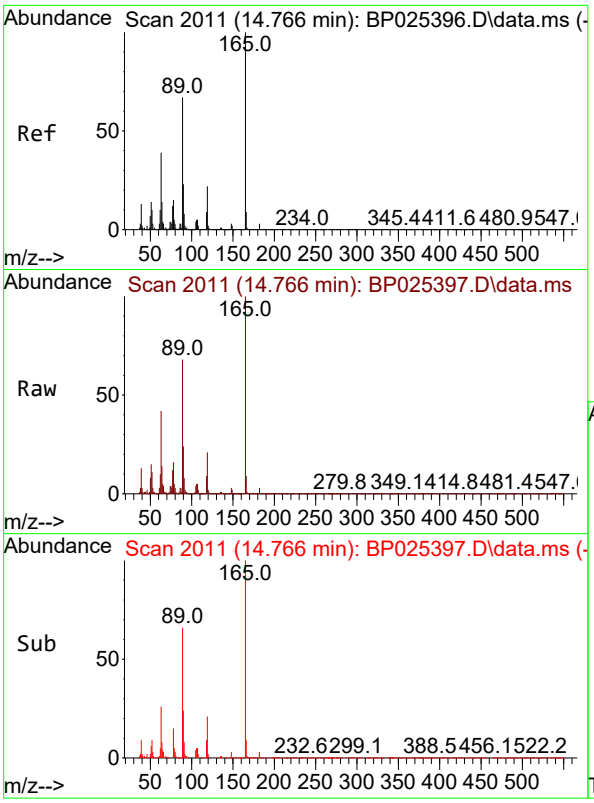


#56
4-Nitrophenol
Concen: 55.103 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:139 Resp: 296227

Ion	Ratio	Lower	Upper
139	100		
109	76.8	56.6	96.6
65	85.5	68.2	108.2

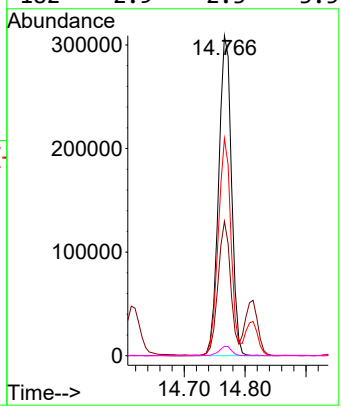




#57
2,4-Dinitrotoluene
Concen: 54.354 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:165 Resp: 45092

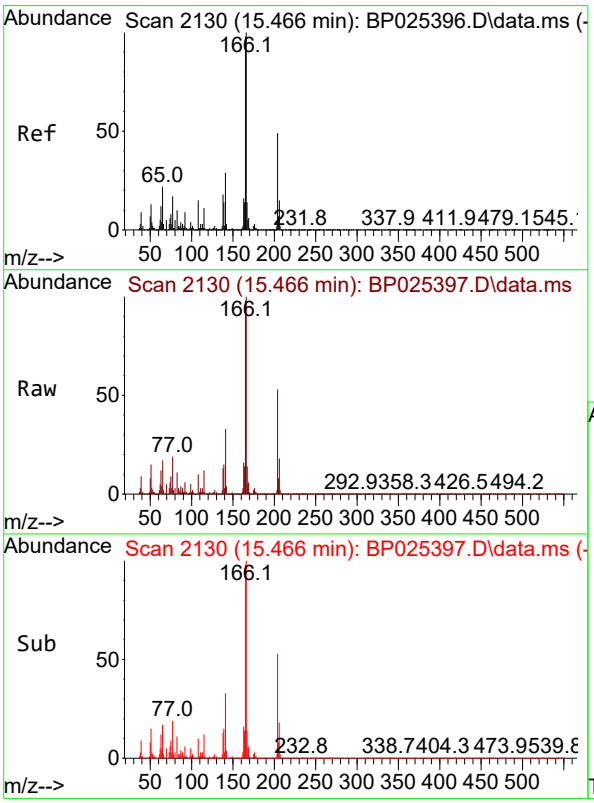
Ion	Ratio	Lower	Upper
165	100		
63	42.0	31.4	47.2
89	67.9	53.3	79.9
182	2.9	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

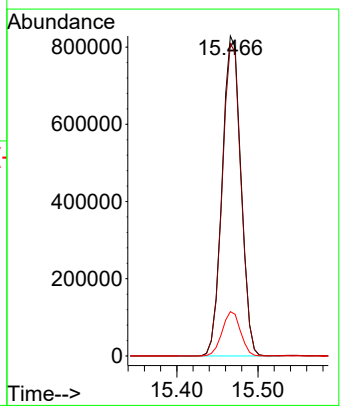
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

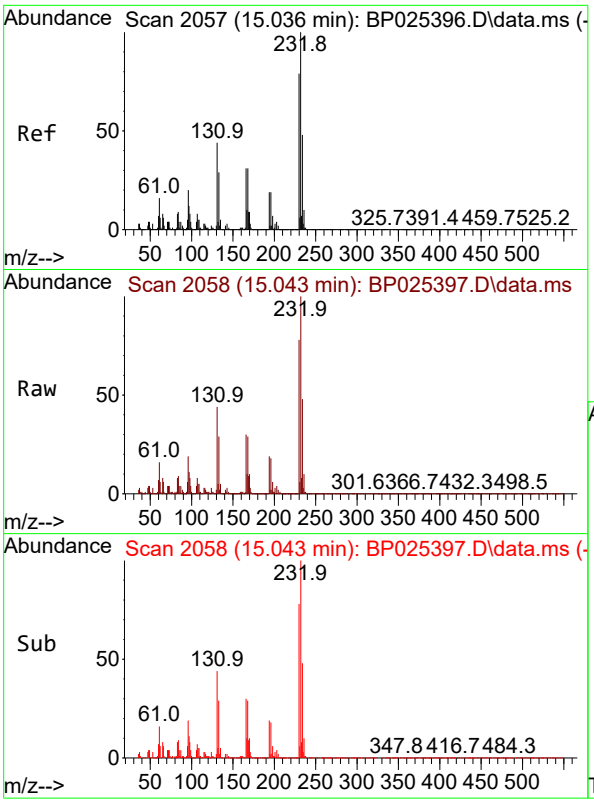


#58
Fluorene
Concen: 51.627 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:166 Resp: 1332448

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.8	118.2
167	13.9	11.0	16.4

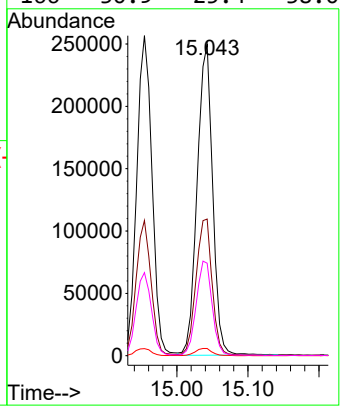




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.281 ng
RT: 15.043 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:232 Resp: 37874

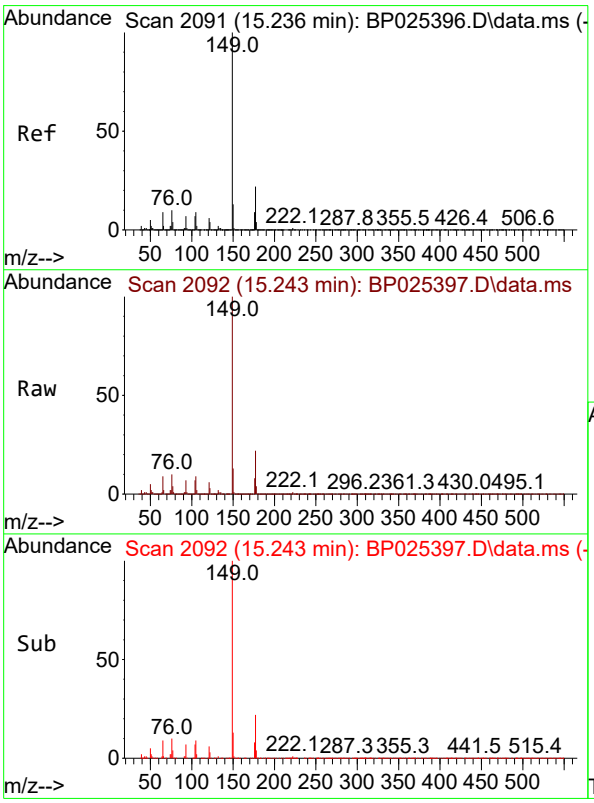
Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.0	55.6
130	2.5	1.9	2.9
166	30.9	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

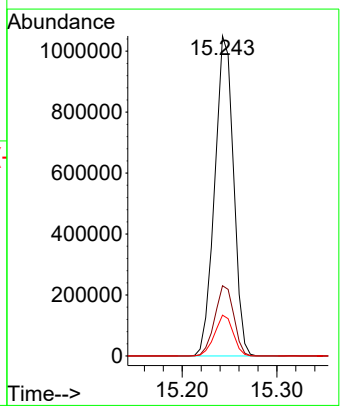
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

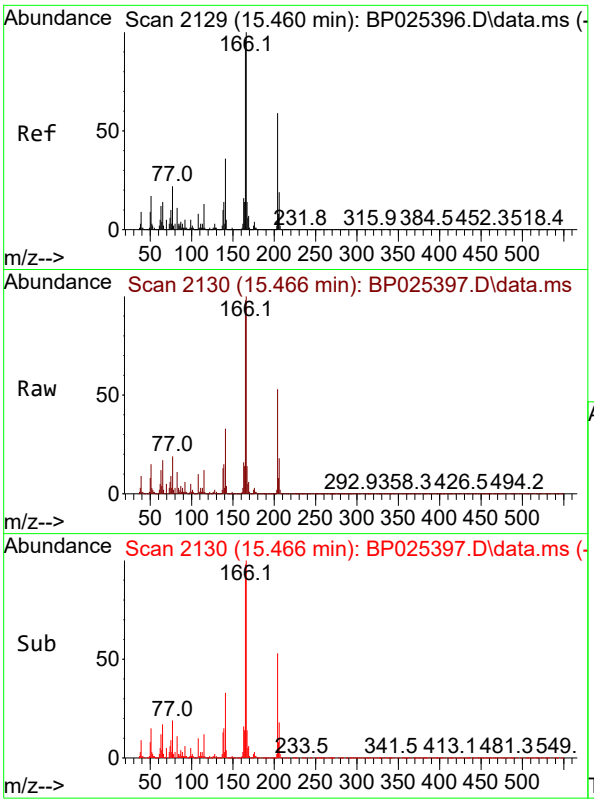


#60
Diethylphthalate
Concen: 51.728 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1450033

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.3	25.9
150	12.8	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 50.647 ng
RT: 15.466 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

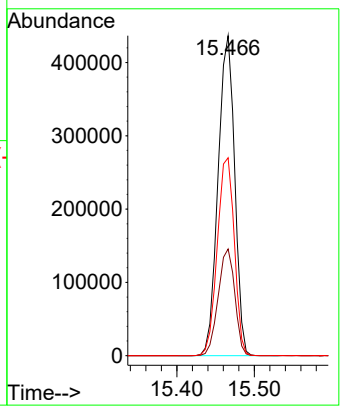
Tgt Ion:204 Resp: 65010

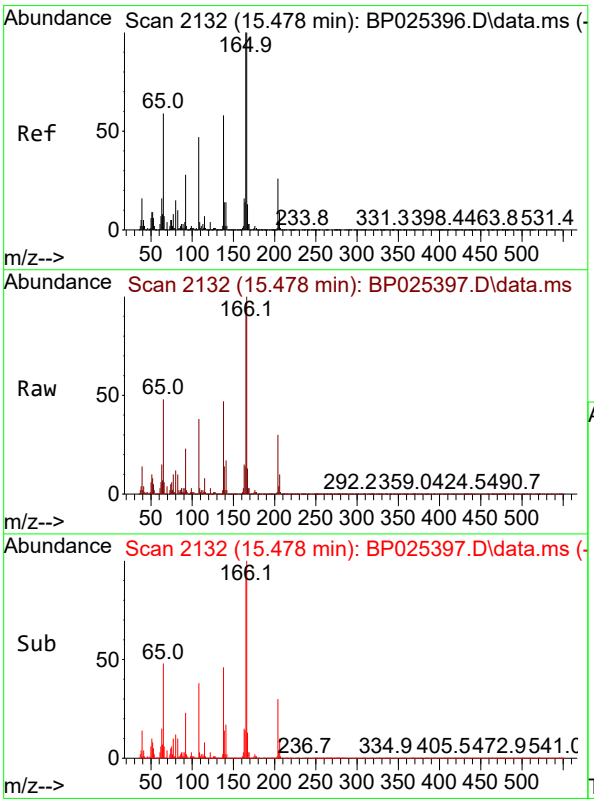
Ion	Ratio	Lower	Upper
204	100		
206	33.4	25.8	38.8
141	61.8	49.4	74.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

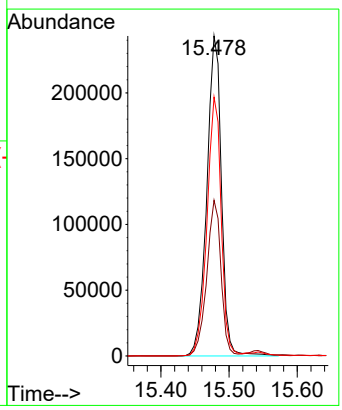


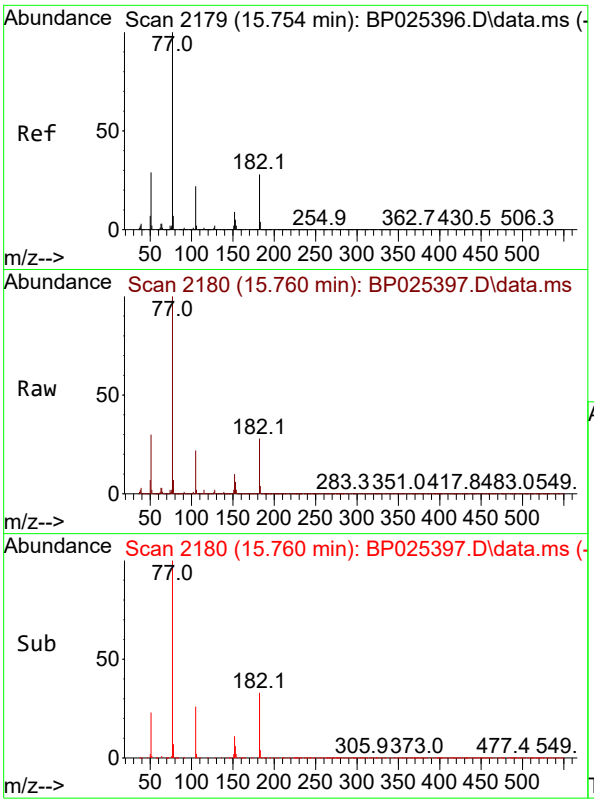


#62
4-Nitroaniline
Concen: 54.278 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:138 Resp: 364030

Ion	Ratio	Lower	Upper
138	100		
92	48.6	29.1	69.1
108	80.9	61.5	101.5

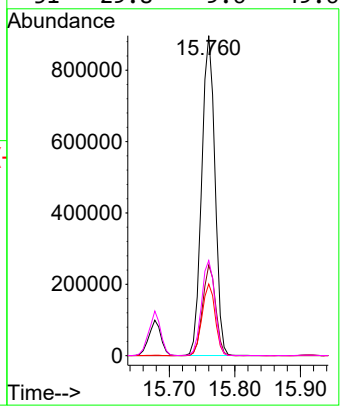




#63
Azobenzene
Concen: 52.602 ng
RT: 15.760 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 77 Resp: 126257

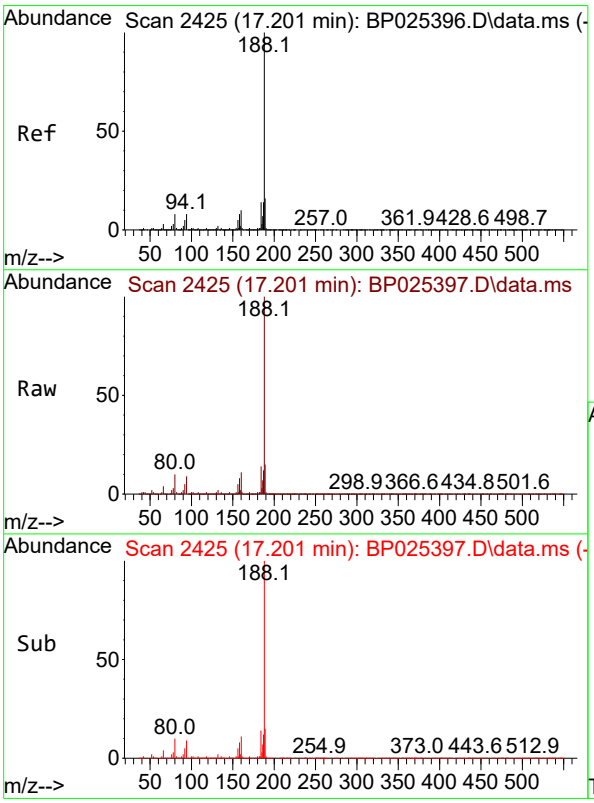
Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	22.4	2.1	42.1
51	29.8	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

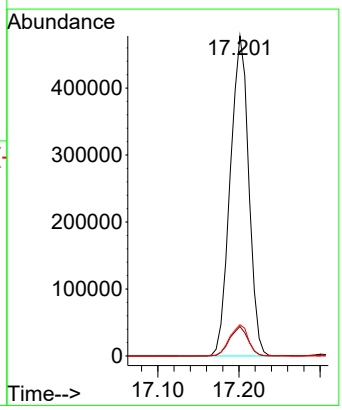
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

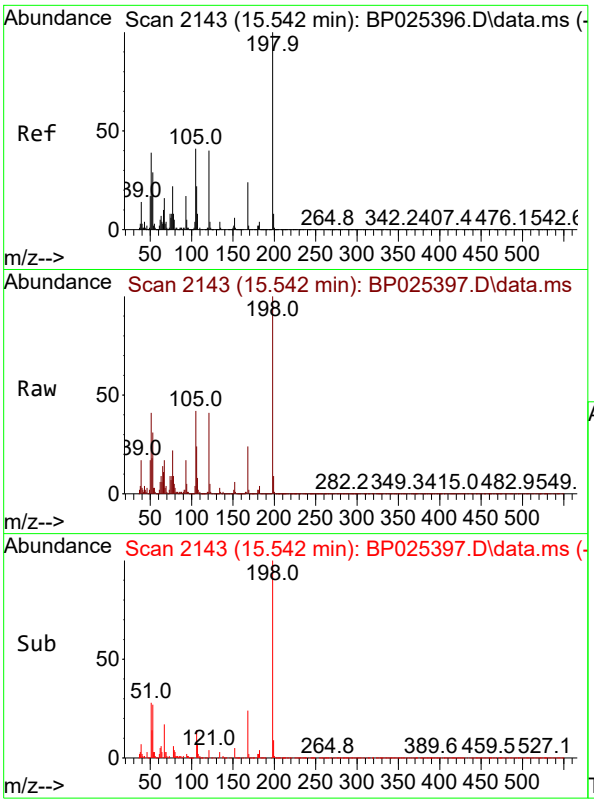


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:188 Resp: 753705

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.8	6.7	10.1

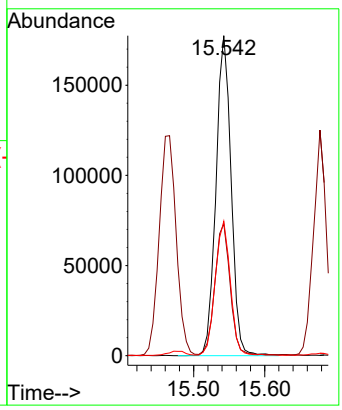




#65
4,6-Dinitro-2-methylphenol
Concen: 55.792 ng
RT: 15.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:198 Resp: 26212

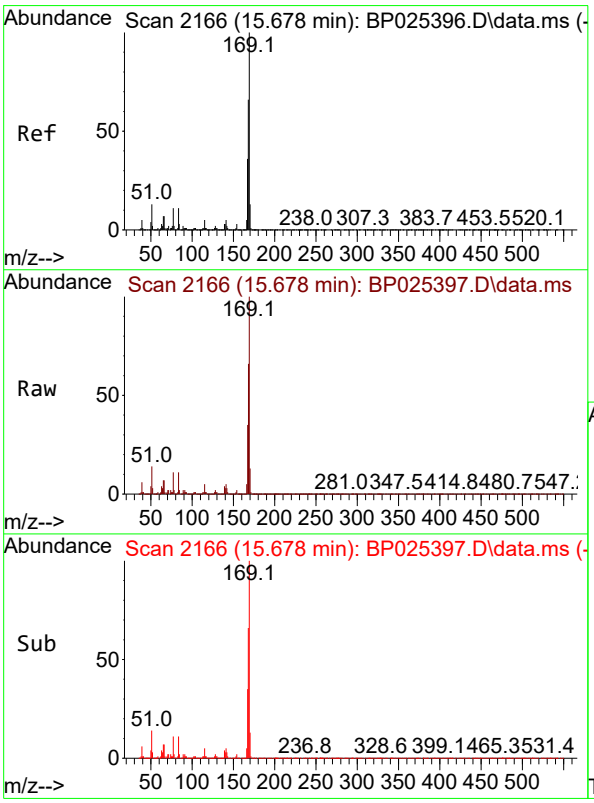
Ion	Ratio	Lower	Upper
198	100		
51	41.2	19.6	59.6
105	42.0	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

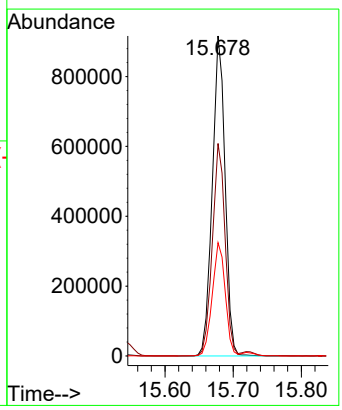
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

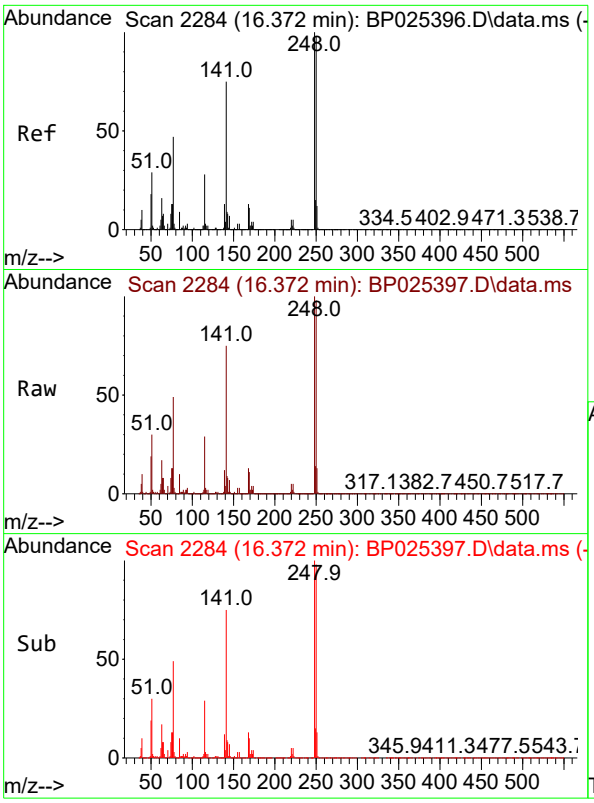


#66
n-Nitrosodiphenylamine
Concen: 51.997 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:169 Resp: 1195077

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.2	79.8
167	35.4	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 52.325 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

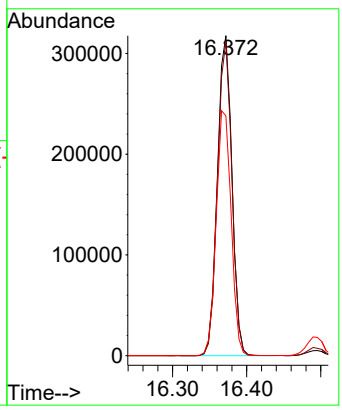
Tgt Ion:248 Resp: 43374

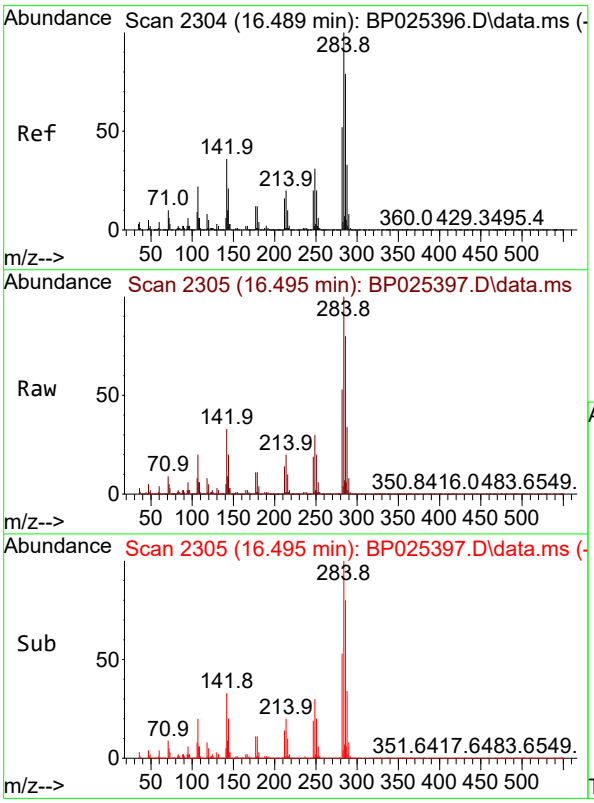
Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.2	117.2
141	75.0	59.6	89.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

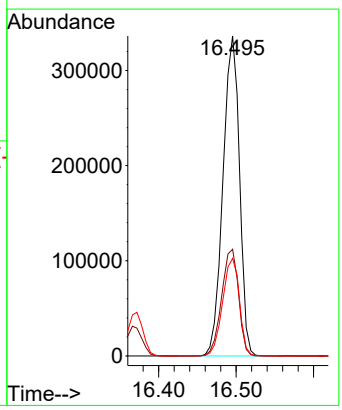


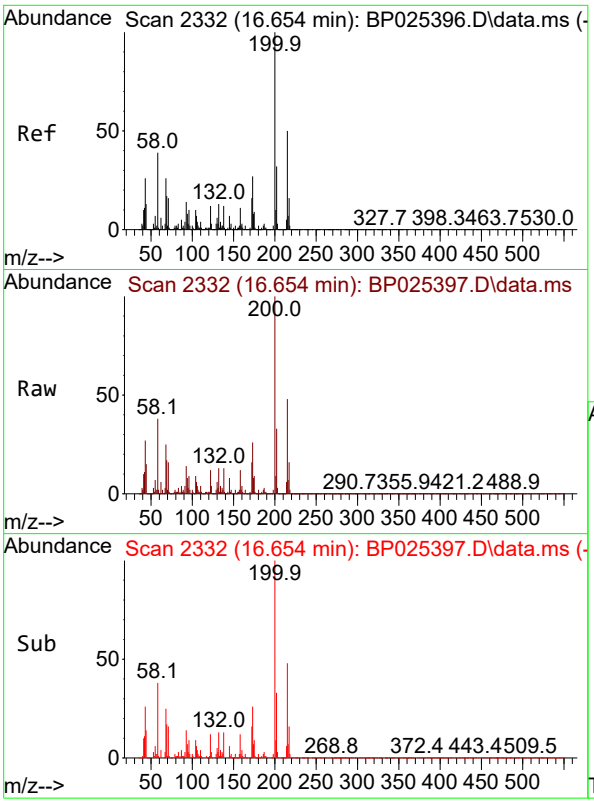


#68
Hexachlorobenzene
Concen: 51.816 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:284 Resp: 497906

Ion	Ratio	Lower	Upper
284	100		
142	33.3	29.1	43.7
249	30.5	25.0	37.4

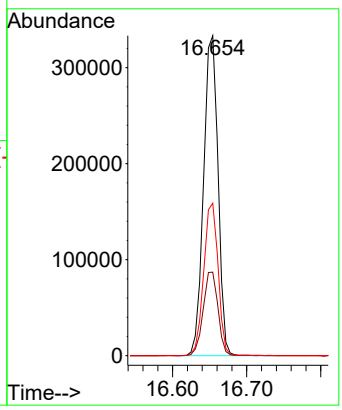




#69
Atrazine
Concen: 52.479 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:200 Resp: 45170

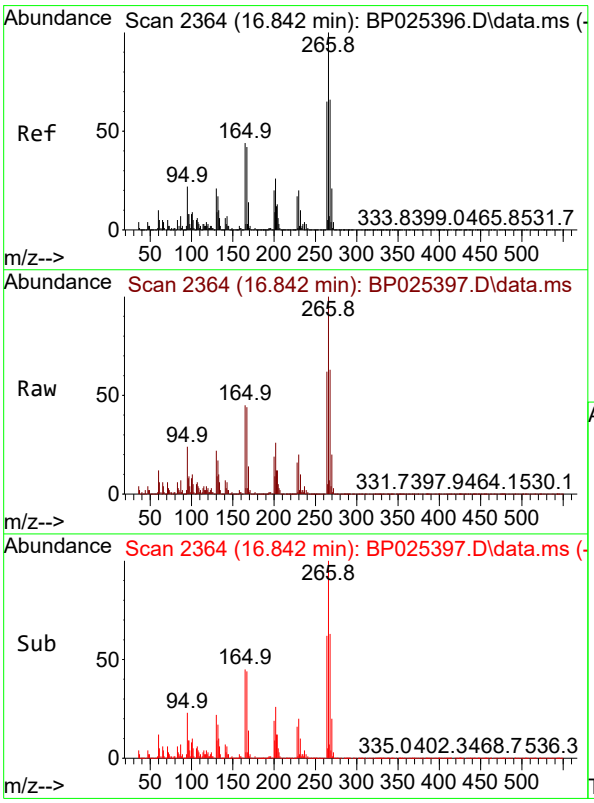
Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.7	46.7
215	47.7	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

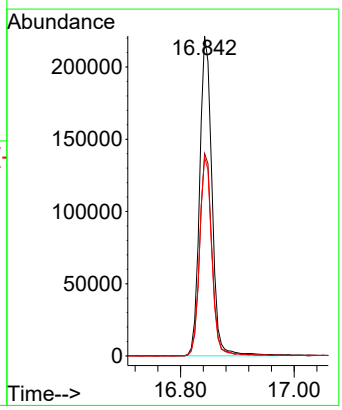
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

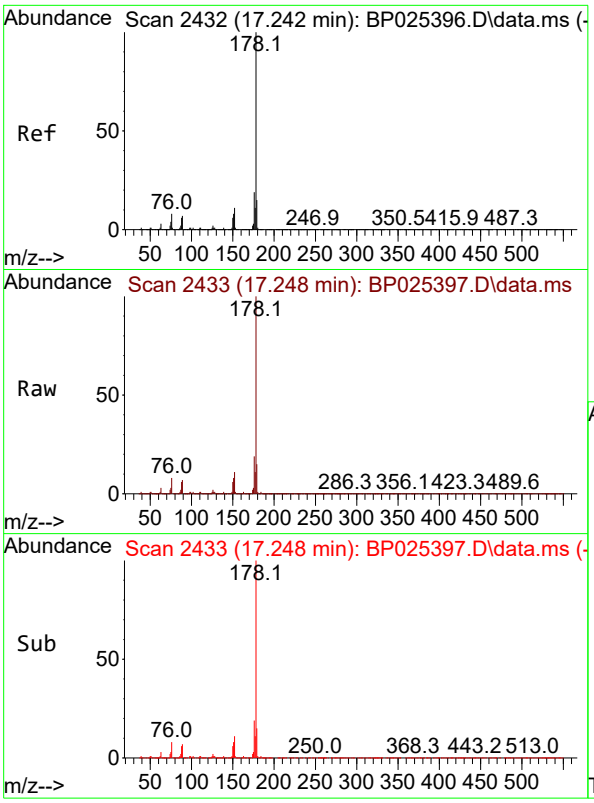


#70
Pentachlorophenol
Concen: 54.872 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:266 Resp: 332839

Ion	Ratio	Lower	Upper
266	100		
268	63.2	52.6	79.0
264	62.1	52.0	78.0

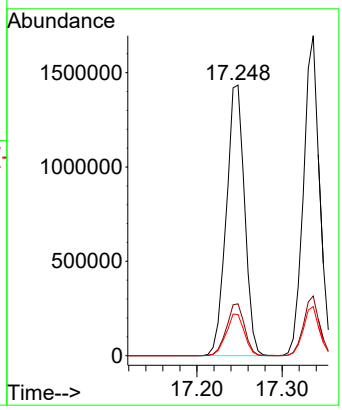




#71
Phenanthrene
Concen: 51.673 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:178 Resp: 213943

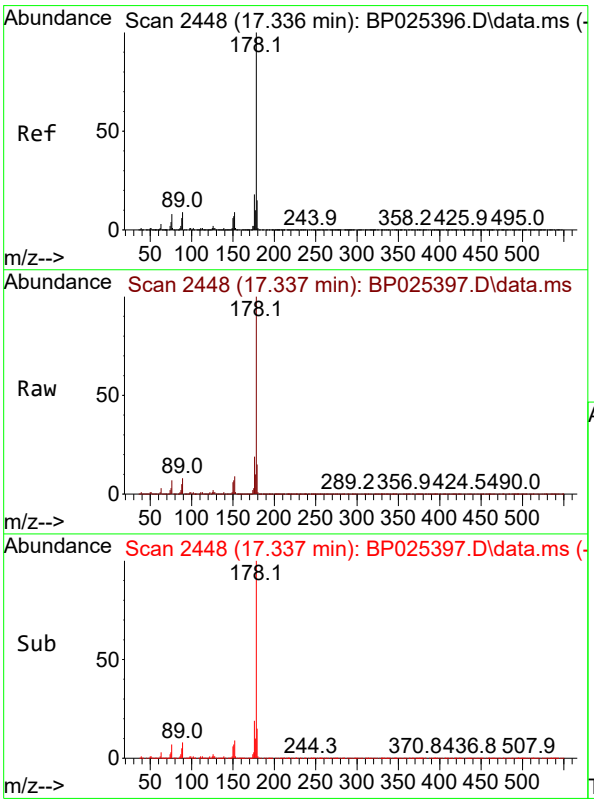
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.2	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

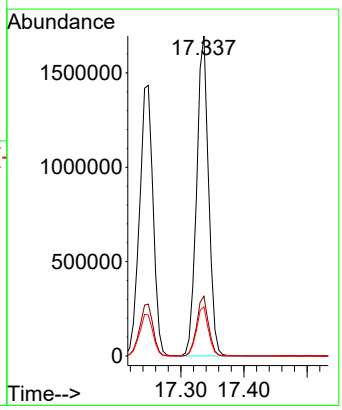
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

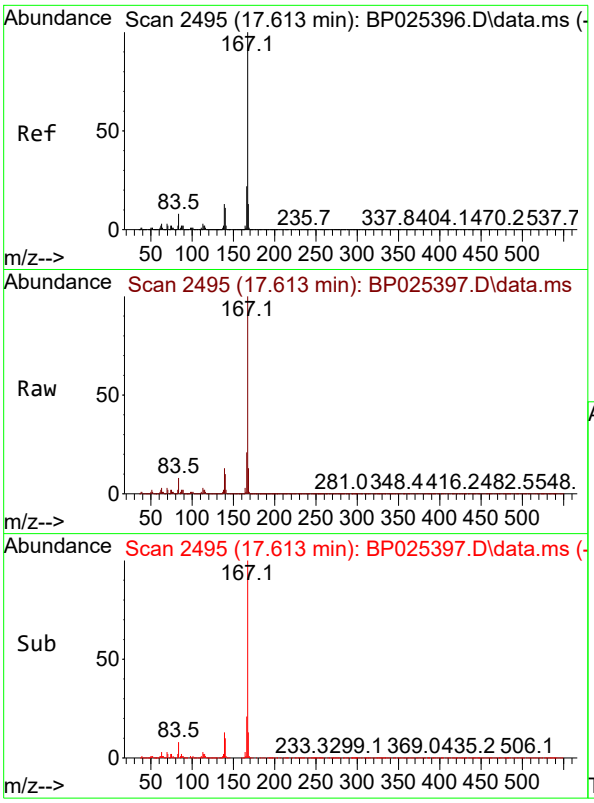


#72
Anthracene
Concen: 52.385 ng
RT: 17.337 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:178 Resp: 2214911

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.4	12.2	18.2

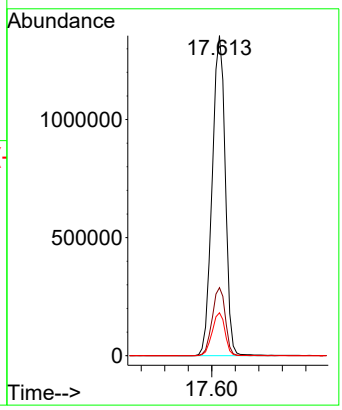




#73
Carbazole
Concen: 52.559 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:167 Resp: 209317

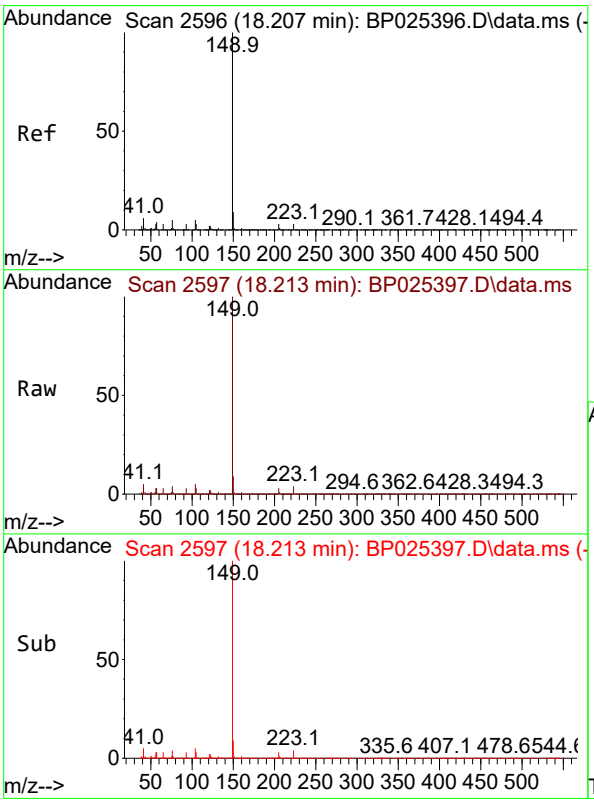
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.5	26.3
139	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

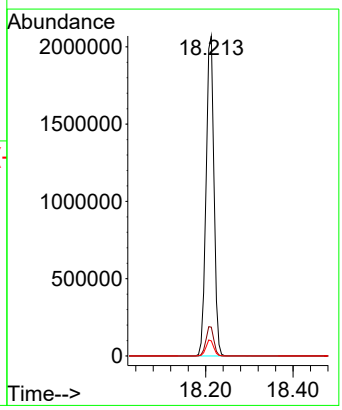
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

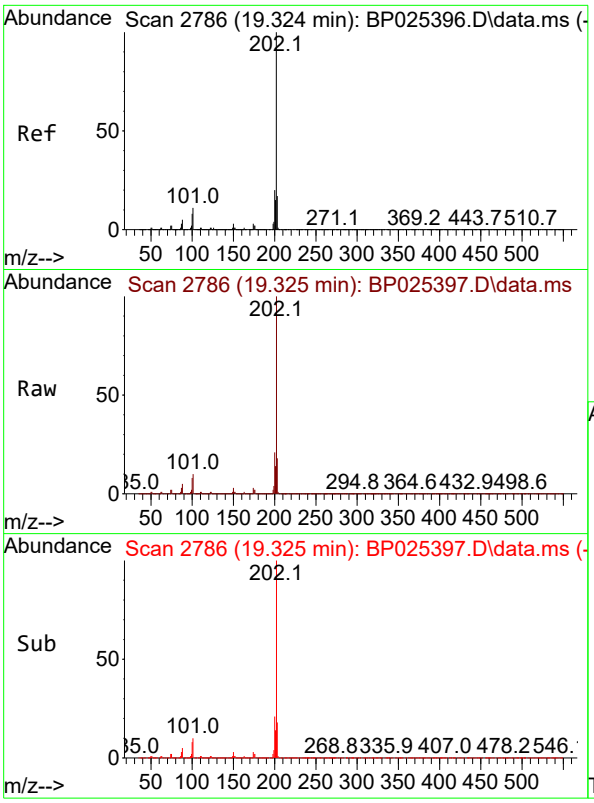


#74
Di-n-butylphthalate
Concen: 52.849 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 2589522

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.7	4.2	6.2

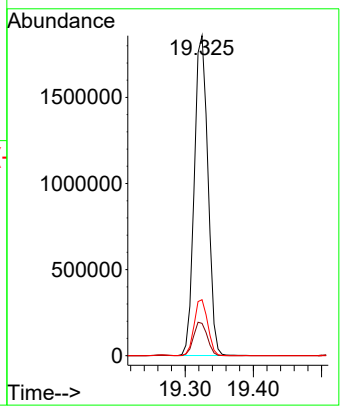




#75
Fluoranthene
Concen: 51.910 ng
RT: 19.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:202 Resp: 256370

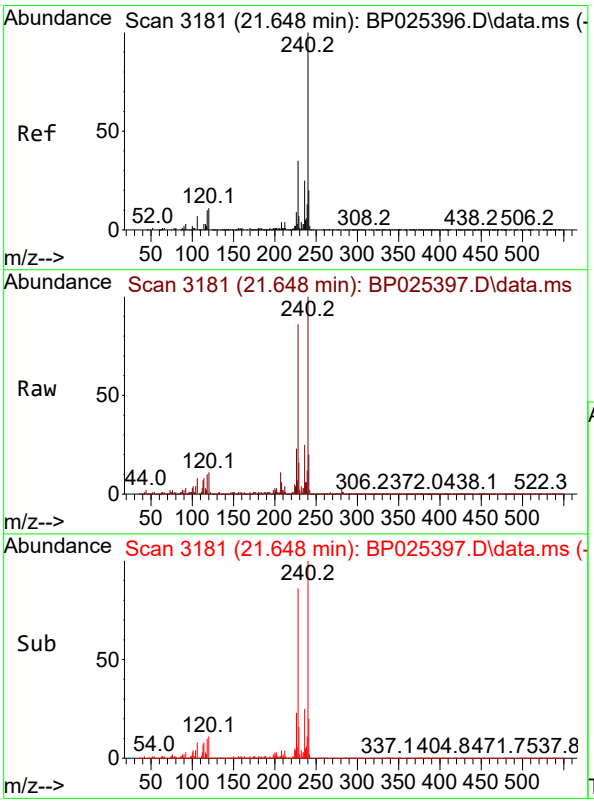
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.1
203	17.5	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

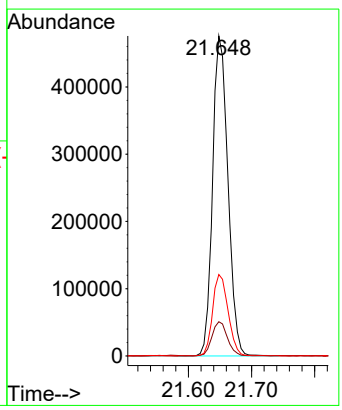
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

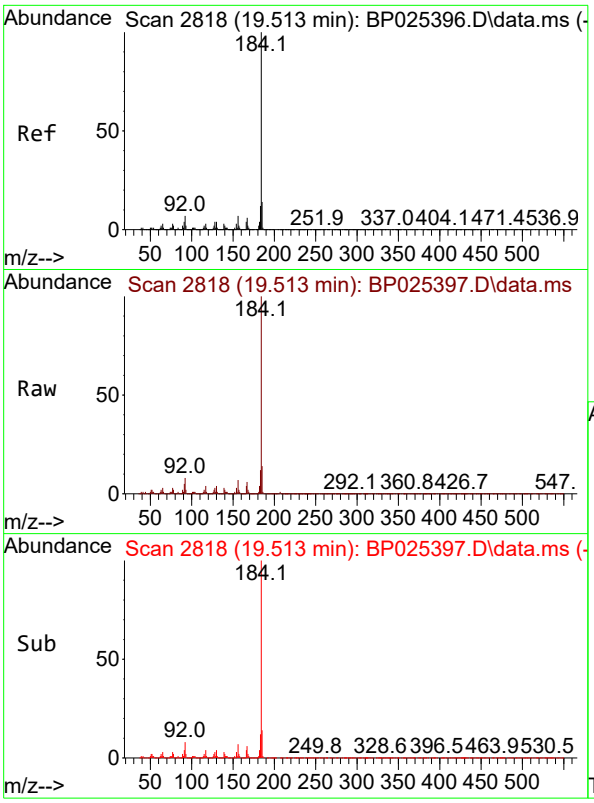


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:240 Resp: 801742

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.5	19.8	29.8

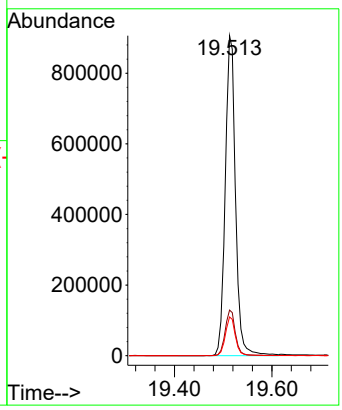




#77
Benzidine
Concen: 48.615 ng
RT: 19.513 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:184 Resp: 133019

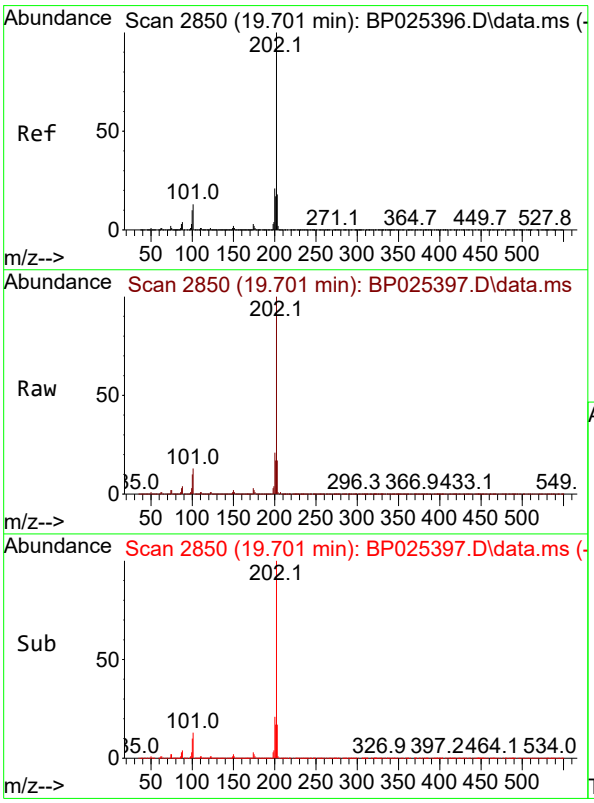
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	12.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

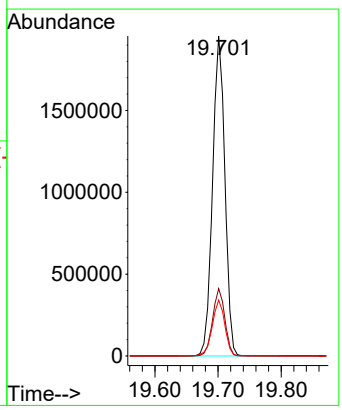
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

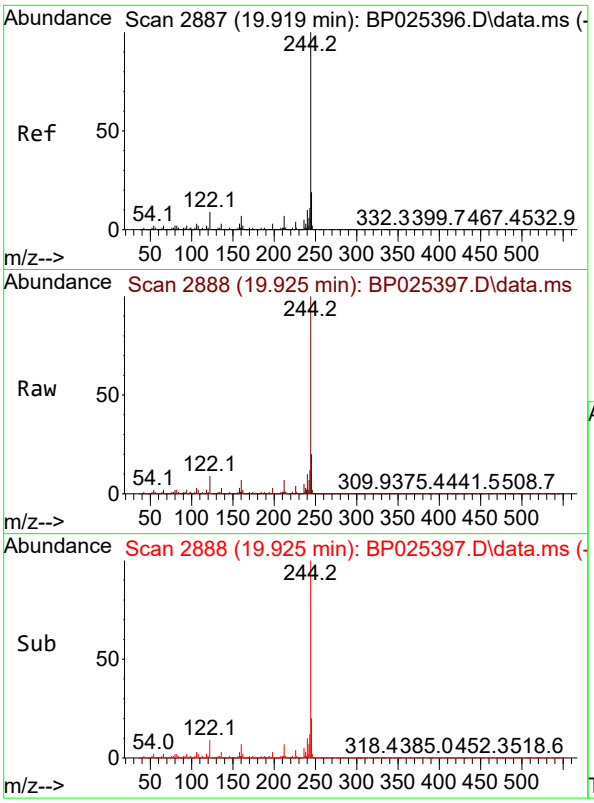


#78
Pyrene
Concen: 50.754 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:202 Resp: 2644850

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.4	14.2	21.2

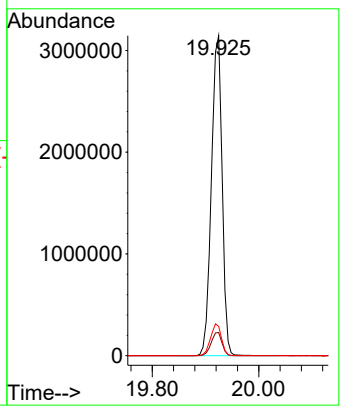




#79
Terphenyl-d14
Concen: 100.615 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:244 Resp: 440909

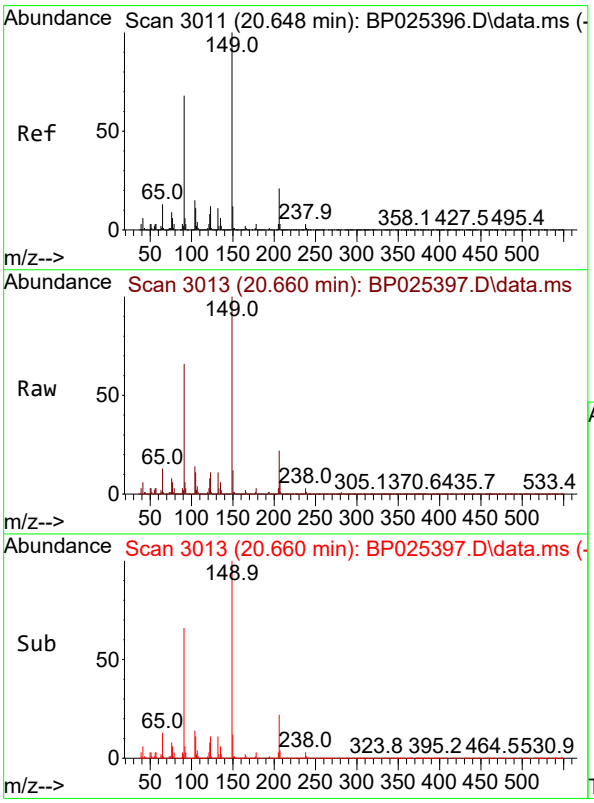
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.2	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

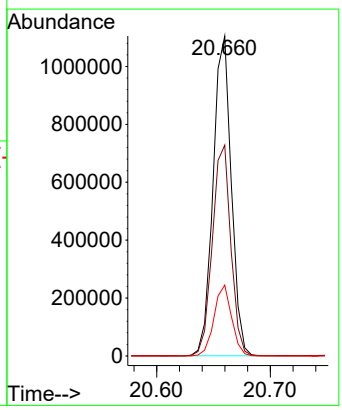
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

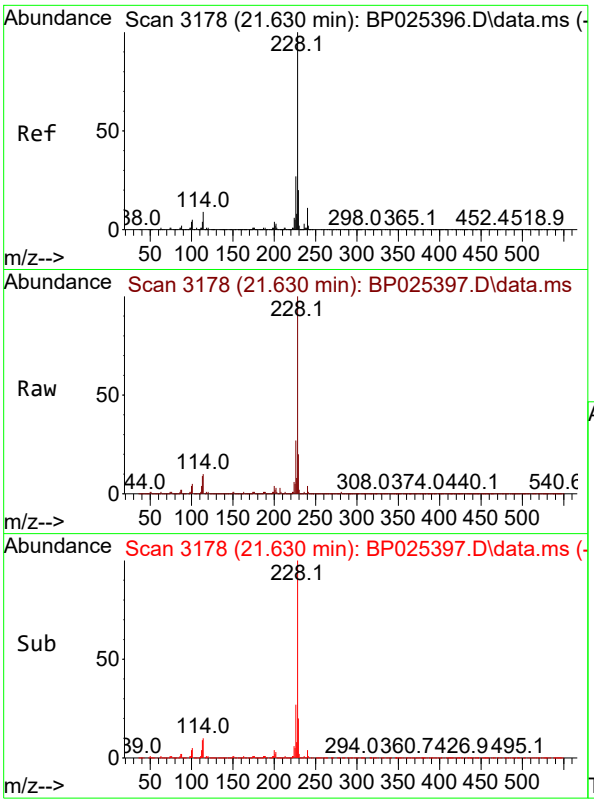


#80
Butylbenzylphthalate
Concen: 52.139 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1231376

Ion	Ratio	Lower	Upper
149	100		
91	65.9	54.2	81.2
206	22.2	16.6	24.8

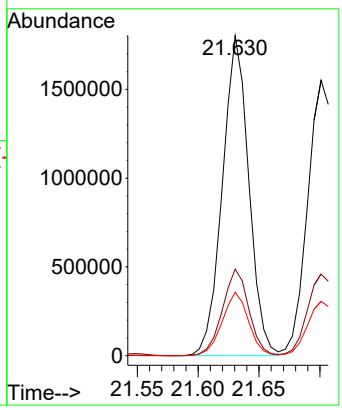




#81
Benzo(a)anthracene
Concen: 51.499 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:228 Resp: 272300

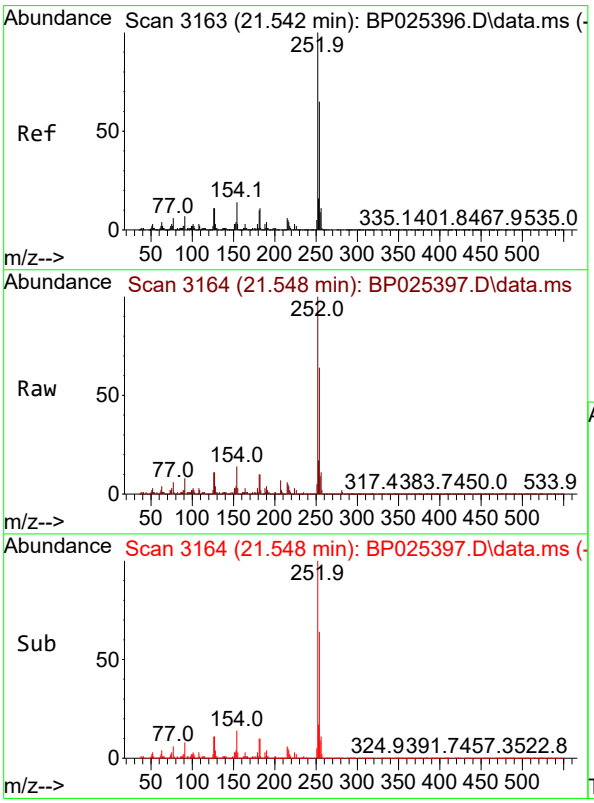
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

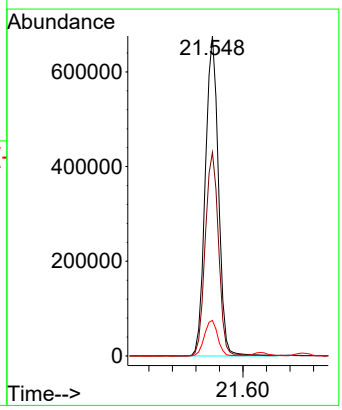
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

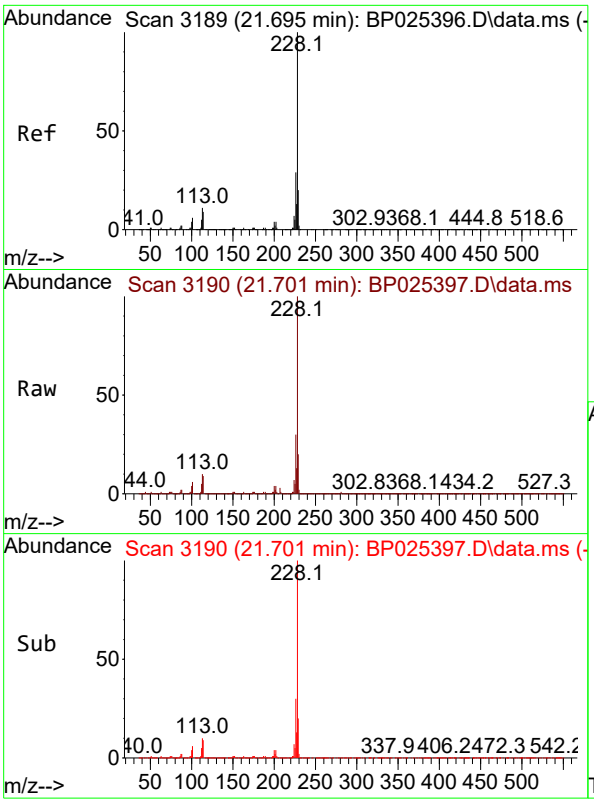


#82
3,3'-Dichlorobenzidine
Concen: 52.357 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 1043476

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.8	77.6
126	11.1	9.1	13.7

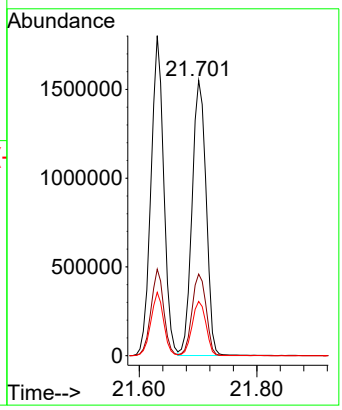




#83
Chrysene
Concen: 51.817 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:228 Resp: 256585

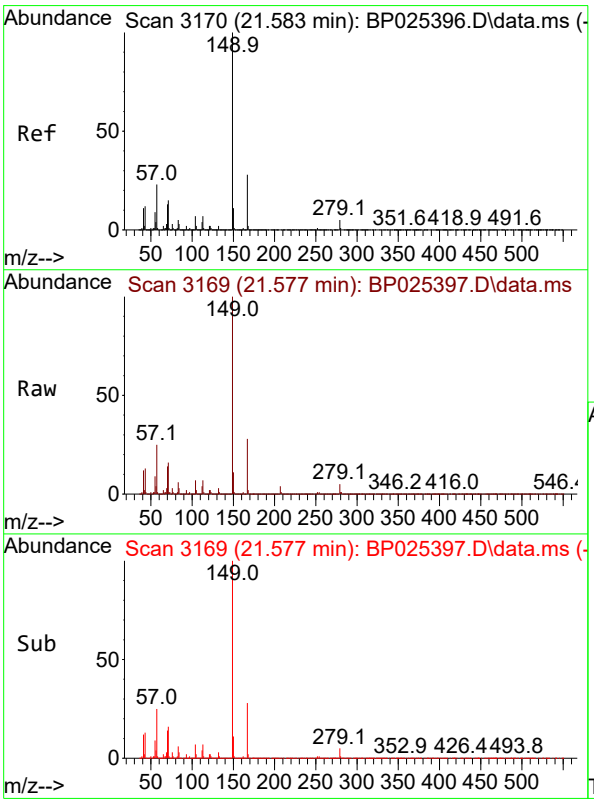
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	19.7	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

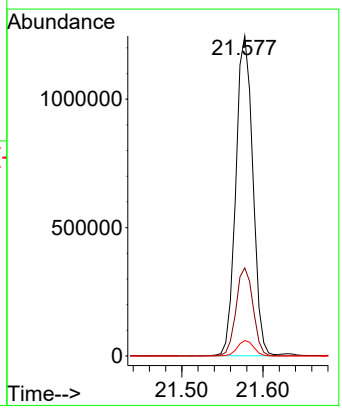
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

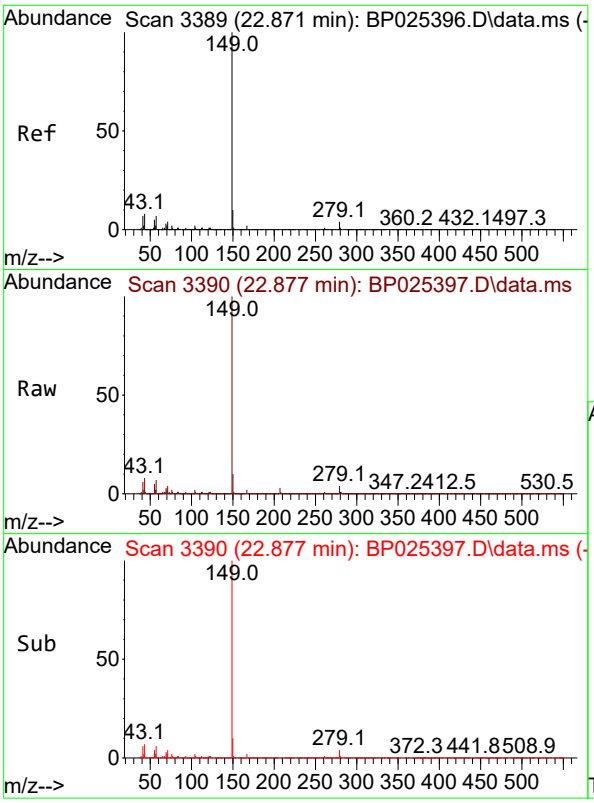


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.933 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1805478

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.8	3.8	5.6

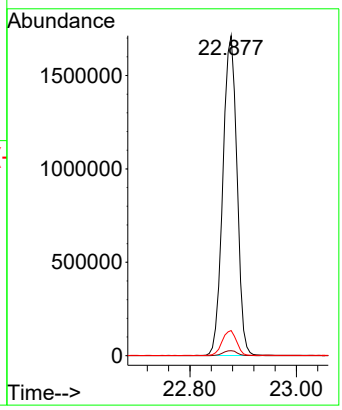




#85
Di-n-octyl phthalate
Concen: 52.690 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 315082

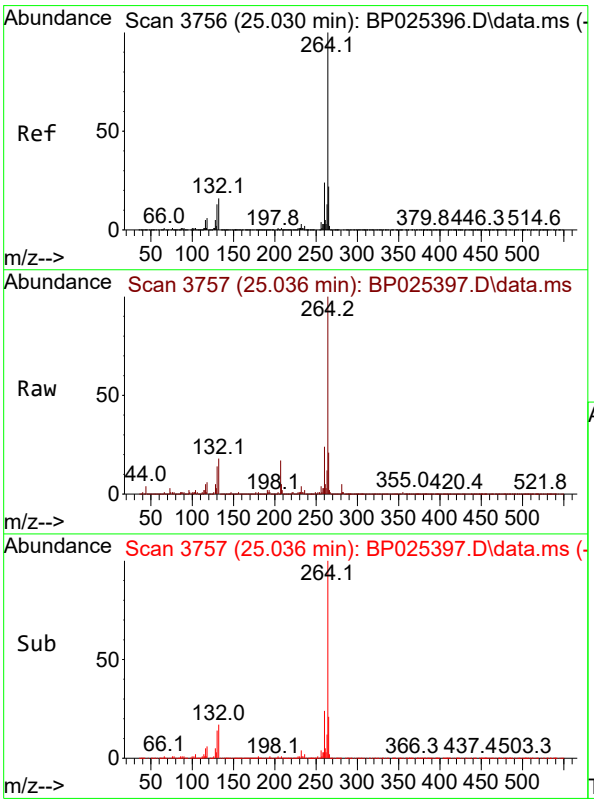
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

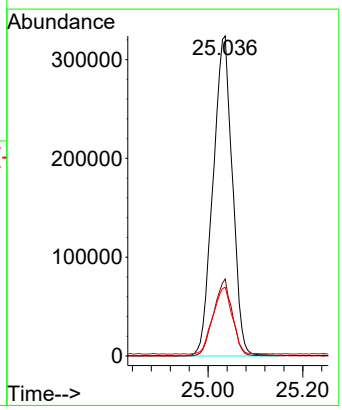
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

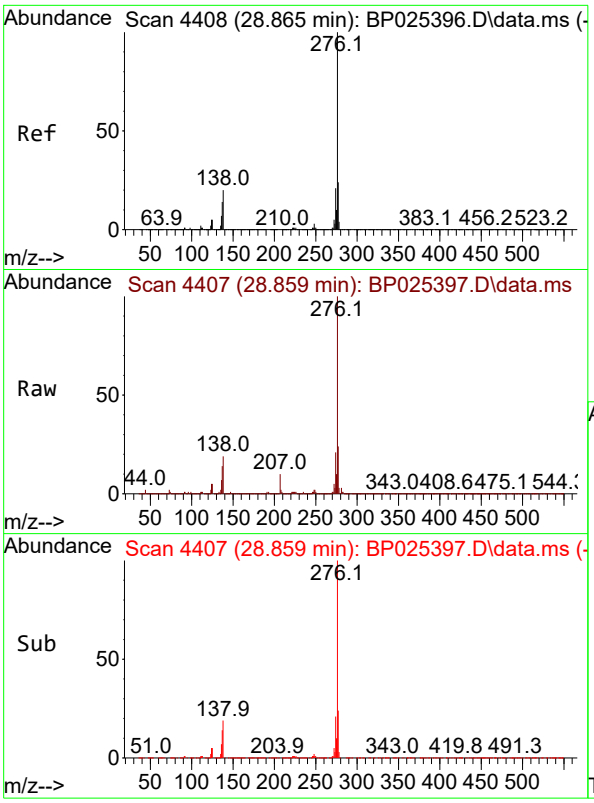


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:264 Resp: 918939

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	21.5	17.4	26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 53.463 ng m
RT: 28.859 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

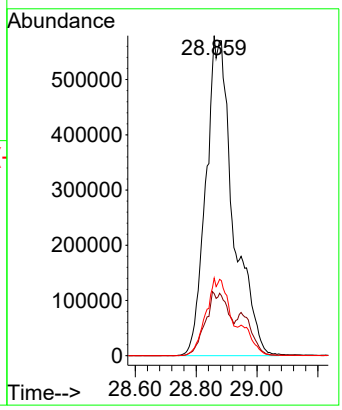
Tgt Ion:276 Resp: 360417

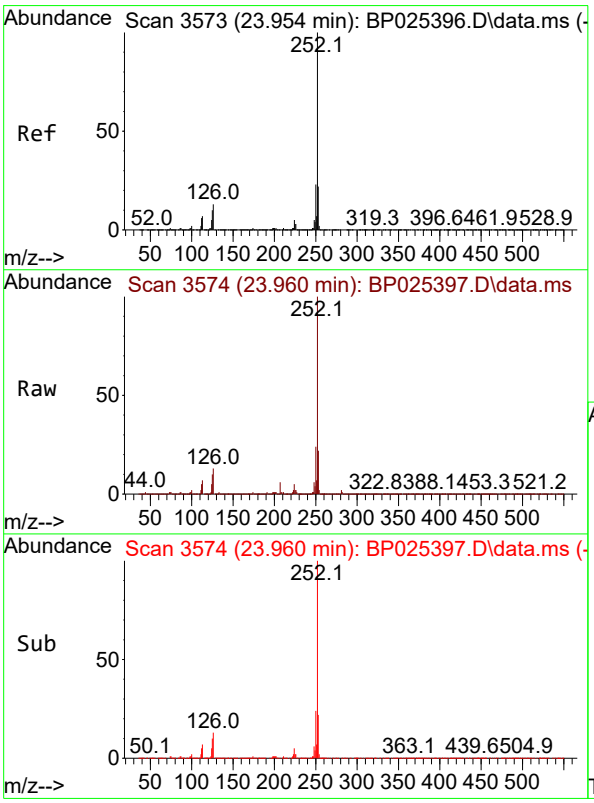
Ion	Ratio	Lower	Upper
276	100		
138	8.3	12.9	19.3#
277	9.7	17.0	25.6#

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

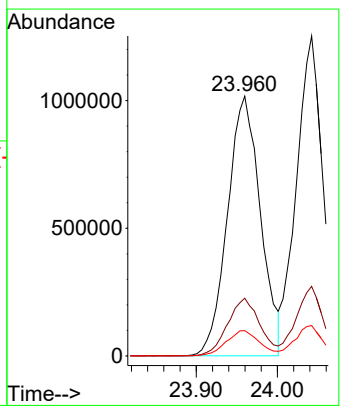


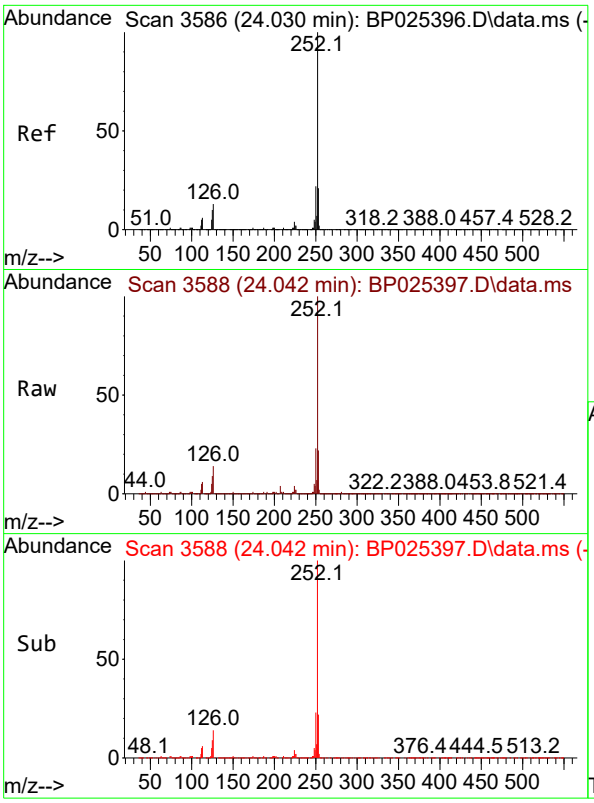


#88
Benzo(b)fluoranthene
Concen: 52.982 ng
RT: 23.960 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 2870971

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.8	7.9	11.9

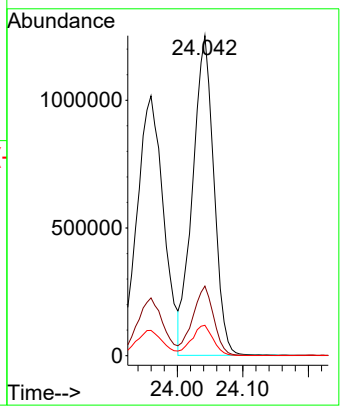




#89
Benzo(k)fluoranthene
Concen: 51.956 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 281727

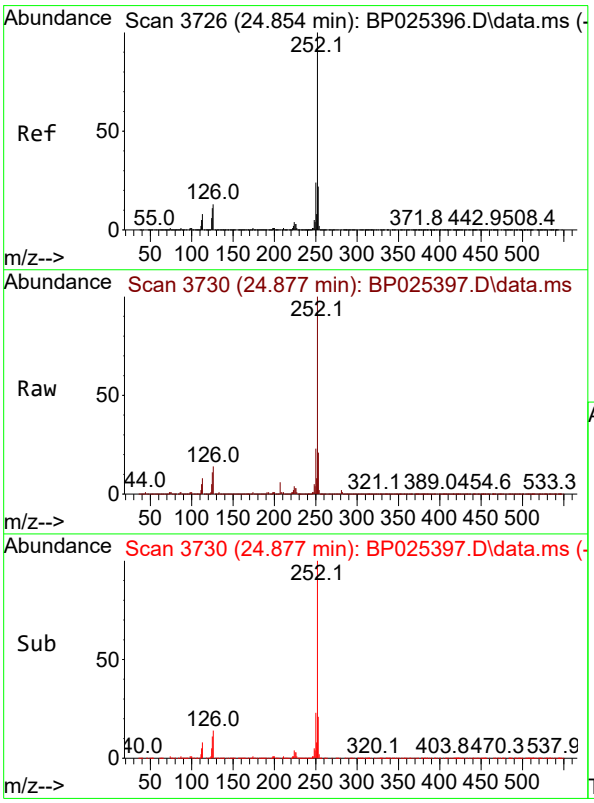
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.5	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

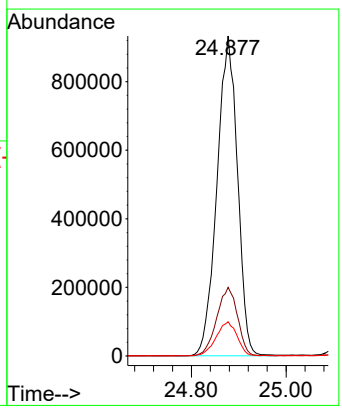
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

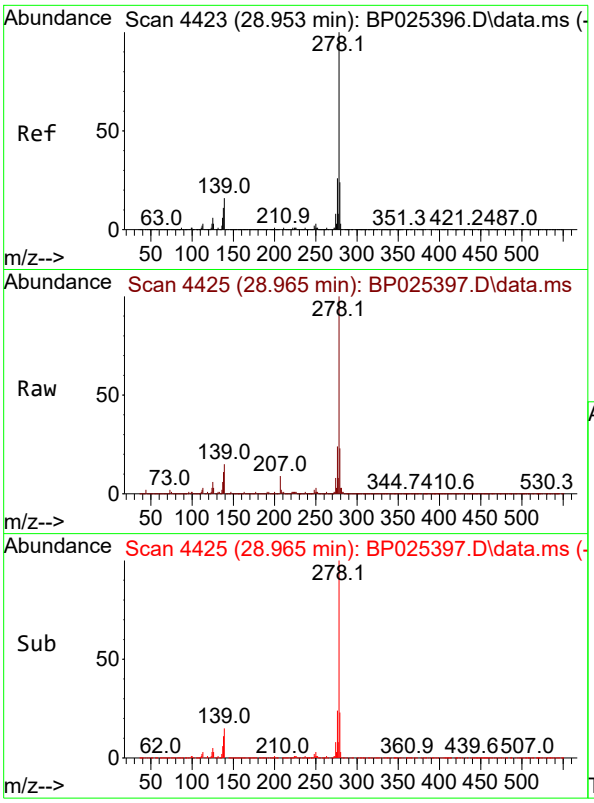


#90
Benzo(a)pyrene
Concen: 53.100 ng
RT: 24.877 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 2800880

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.7	8.7	13.1

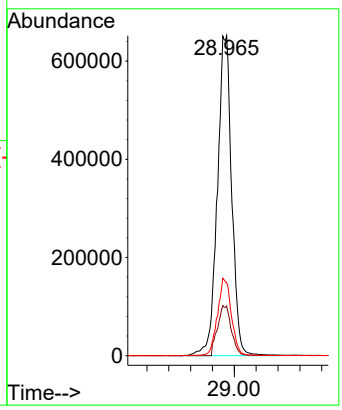




#91
Dibenzo(a,h)anthracene
Concen: 53.795 ng
RT: 28.965 min Scan# 44
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:278 Resp: 296262

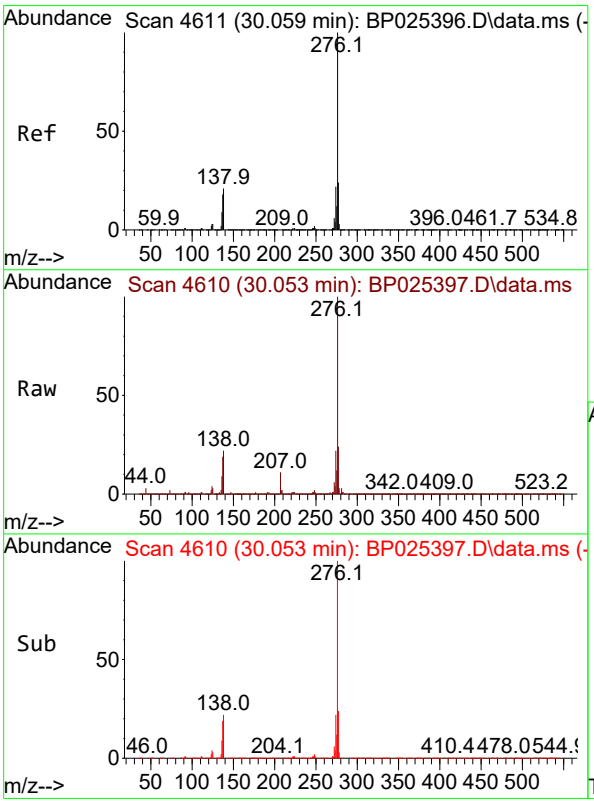
Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.0	19.4
279	22.9	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

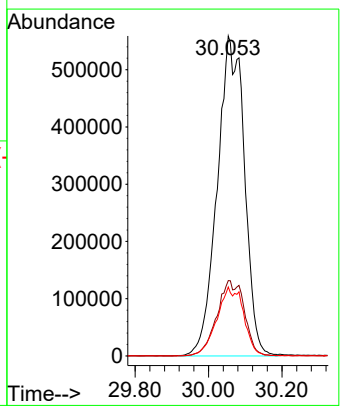
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 52.960 ng m
RT: 30.053 min Scan# 4610
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:276 Resp: 2866689

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	21.6	16.7	25.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025398.D
Acq On : 14 Aug 2025 16:42
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 14 17:58:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	162248	20.000	ng		0.00
21) Naphthalene-d8	10.566	136	693237	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	460439	20.000	ng		0.00
64) Phenanthrene-d10	17.213	188	923402	20.000	ng		0.01
76) Chrysene-d12	21.666	240	926019	20.000	ng		0.02
86) Perylene-d12	25.042	264	1081163	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1193329	122.144	ng		0.00
7) Phenol-d6	6.972	99	1566626	125.072	ng		0.00
23) Nitrobenzene-d5	8.931	82	1698557	123.944	ng		0.00
42) 2,4,6-Tribromophenol	15.925	330	760738	122.748	ng		0.01
45) 2-Fluorobiphenyl	13.025	172	3963871	117.656	ng		0.00
79) Terphenyl-d14	19.930	244	5896004	116.490	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	225015	58.799	ng		99
3) Pyridine	3.731	79	623639	59.539	ng		97
4) n-Nitrosodimethylamine	3.637	42	269971	62.518	ng		100
6) Aniline	7.125	93	1053232	62.408	ng		99
8) 2-Chlorophenol	7.366	128	688094	62.413	ng		100
9) Benzaldehyde	6.943	77	489205	55.745	ng		97
10) Phenol	7.002	94	821863	62.530	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	634374	61.925	ng		99
12) 1,3-Dichlorobenzene	7.684	146	744884	61.273	ng		99
13) 1,4-Dichlorobenzene	7.825	146	751354	60.469	ng		100
14) 1,2-Dichlorobenzene	8.143	146	723663	60.165	ng		99
15) Benzyl Alcohol	8.025	79	627198	63.019	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	846896	61.712	ng		99
17) 2-Methylphenol	8.225	107	579471	63.480	ng		99
18) Hexachloroethane	8.866	117	281129	61.535	ng		95
19) n-Nitroso-di-n-propyla...	8.590	70	507223	61.060	ng		98
20) 3+4-Methylphenols	8.555	107	798107	63.075	ng		96
22) Acetophenone	8.602	105	1051848	60.503	ng	#	99
24) Nitrobenzene	8.978	77	752762	61.461	ng		98
25) Isophorone	9.502	82	1475193	60.825	ng		99
26) 2-Nitrophenol	9.678	139	405821	64.564	ng		98
27) 2,4-Dimethylphenol	9.743	122	675186	62.463	ng		100
28) bis(2-Chloroethoxy)met...	9.972	93	894872	61.040	ng		99
29) 2,4-Dichlorophenol	10.213	162	673952	62.764	ng		99
30) 1,2,4-Trichlorobenzene	10.425	180	715954	60.823	ng		98
31) Naphthalene	10.613	128	2187912	60.722	ng		100
32) Benzoic acid	9.907	122	530609	66.651	ng		98
33) 4-Chloroaniline	10.713	127	993155	62.401	ng		99
34) Hexachlorobutadiene	10.901	225	442929	60.421	ng		100
35) Caprolactam	11.513	113	241521	61.340	ng		95
36) 4-Chloro-3-methylphenol	11.843	107	764338	62.033	ng		98
37) 2-Methylnaphthalene	12.219	142	1418882	60.511	ng		99
38) 1-Methylnaphthalene	12.437	142	1494304	59.925	ng		100
40) 1,2,4,5-Tetrachloroben...	12.590	216	802737	60.365	ng		100
41) Hexachlorocyclopentadiene	12.572	237	536440	66.784	ng		99
43) 2,4,6-Trichlorophenol	12.831	196	564165	62.841	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025398.D
Acq On : 14 Aug 2025 16:42
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 14 17:58:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	619246	62.937	ng	97
46) 1,1'-Biphenyl	13.237	154	1996186	59.695	ng	99
47) 2-Chloronaphthalene	13.272	162	1577577	60.600	ng	99
48) 2-Nitroaniline	13.472	65	485429	63.996	ng	100
49) Acenaphthylene	14.131	152	2634005	61.147	ng	99
50) Dimethylphthalate	13.866	163	2042324	60.572	ng	99
51) 2,6-Dinitrotoluene	13.972	165	446520	62.831	ng	100
52) Acenaphthene	14.478	154	1527191	60.399	ng	100
53) 3-Nitroaniline	14.301	138	506373	63.331	ng	96
54) 2,4-Dinitrophenol	14.519	184	265089	69.849	ng	98
55) Dibenzofuran	14.819	168	2387933	59.734	ng	100
56) 4-Nitrophenol	14.625	139	419801	63.893	ng	99
57) 2,4-Dinitrotoluene	14.778	165	650054	64.112	ng	96
58) Fluorene	15.478	166	1836972	58.236	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.042	232	541317	62.307	ng	100
60) Diethylphthalate	15.254	149	2015888	58.840	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	926280	59.044	ng	99
62) 4-Nitroaniline	15.489	138	510438	62.272	ng	99
63) Azobenzene	15.766	77	1796580	61.242	ng	99
65) 4,6-Dinitro-2-methylph...	15.554	198	385873	67.038	ng	98
66) n-Nitrosodiphenylamine	15.684	169	1674806	59.478	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	616767	60.731	ng	97
68) Hexachlorobenzene	16.501	284	711778	60.461	ng	100
69) Atrazine	16.666	200	633381	60.063	ng	99
70) Pentachlorophenol	16.854	266	474276	63.820	ng	97
71) Phenanthrene	17.260	178	3006132	59.263	ng	100
72) Anthracene	17.342	178	3050794	58.895	ng	99
73) Carbazole	17.625	167	2916606	59.776	ng	99
74) Di-n-butylphthalate	18.219	149	3560427	59.310	ng	100
75) Fluoranthene	19.342	202	3563798	58.899	ng	99
77) Benzidine	19.525	184	1690432	53.489	ng	99
78) Pyrene	19.713	202	3664453	60.883	ng	100
80) Butylbenzylphthalate	20.660	149	1710246	62.697	ng	99
81) Benzo(a)anthracene	21.648	228	3702064	60.619	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1405597	61.062	ng	100
83) Chrysene	21.707	228	3453736	60.387	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	2450963	61.038	ng	100
85) Di-n-octyl phthalate	22.883	149	4342211	62.869	ng	100
87) Indeno(1,2,3-cd)pyrene	28.901	276	4937235	62.248	ng	96
88) Benzo(b)fluoranthene	23.960	252	3883465	60.914	ng	99
89) Benzo(k)fluoranthene	24.036	252	3912900	61.334	ng	99
90) Benzo(a)pyrene	24.883	252	3845093	61.959	ng	99
91) Dibenzo(a,h)anthracene	28.977	278	4035414	62.280	ng	98
92) Benzo(g,h,i)perylene	30.083	276	3958545	62.159	ng	100

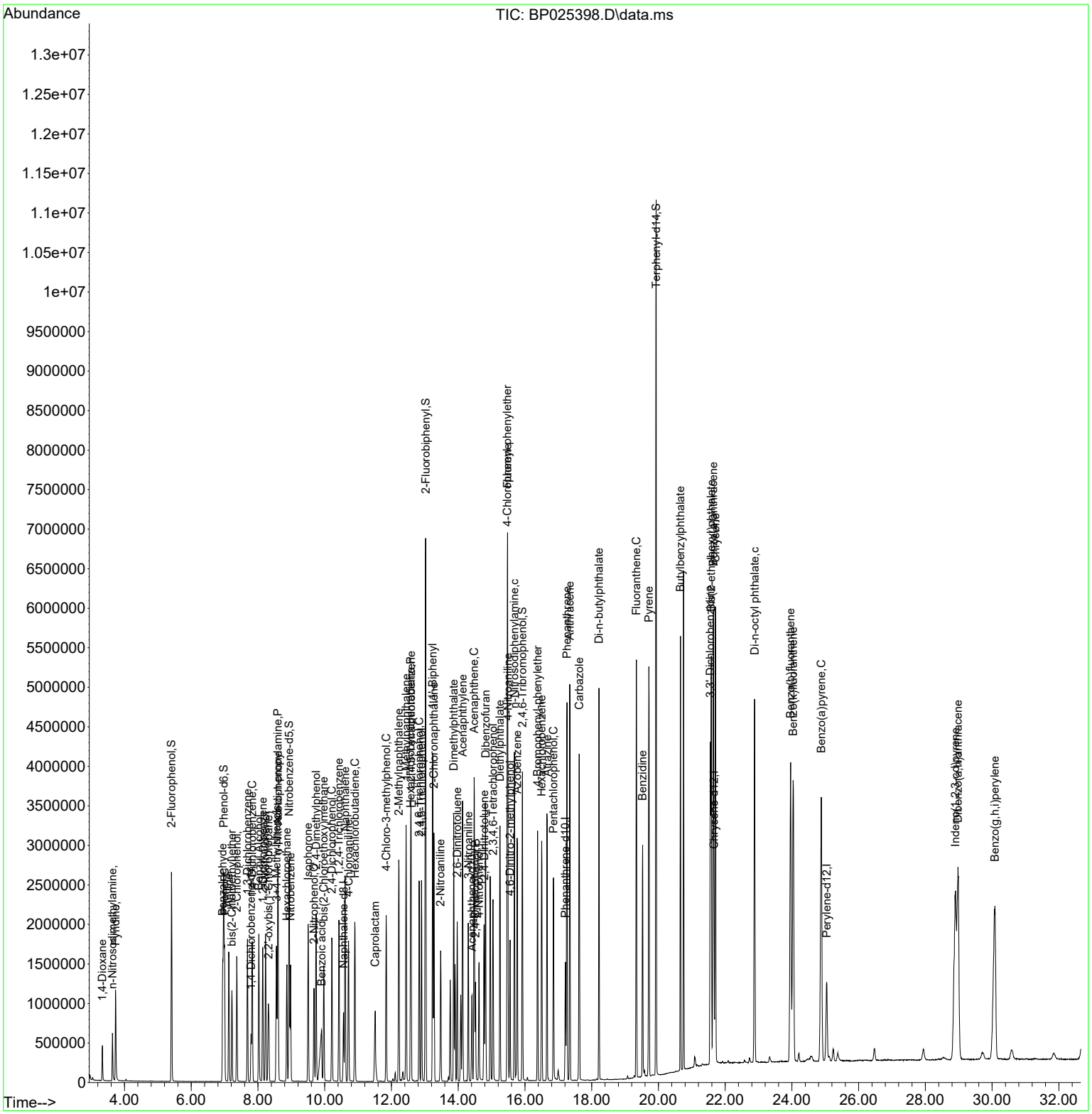
(#) = qualifier out of range (m) = manual integration (+) = signals summed

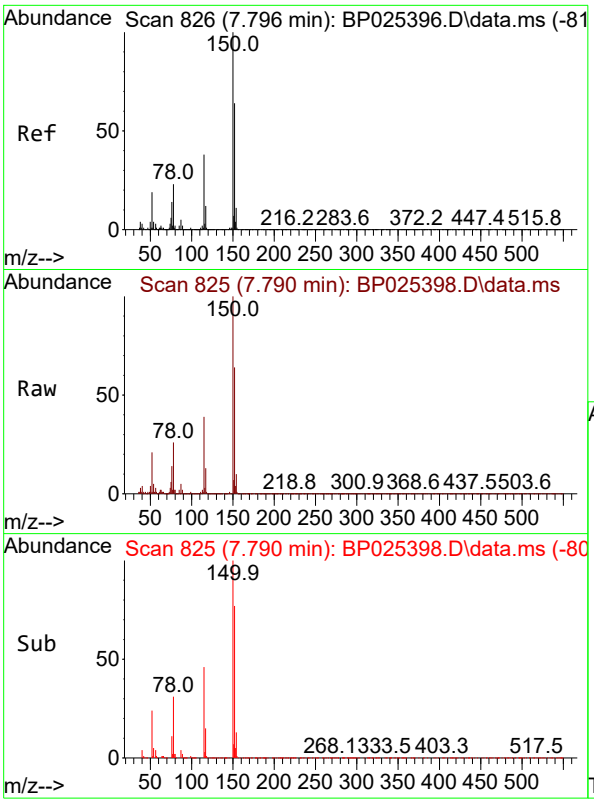
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025398.D
Acq On : 14 Aug 2025 16:42
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 14 17:58:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



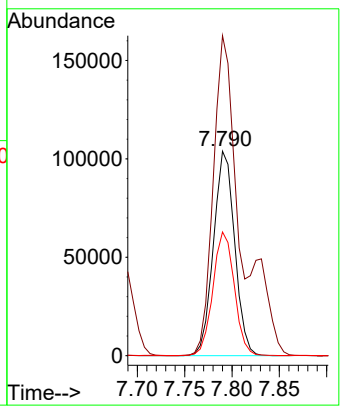


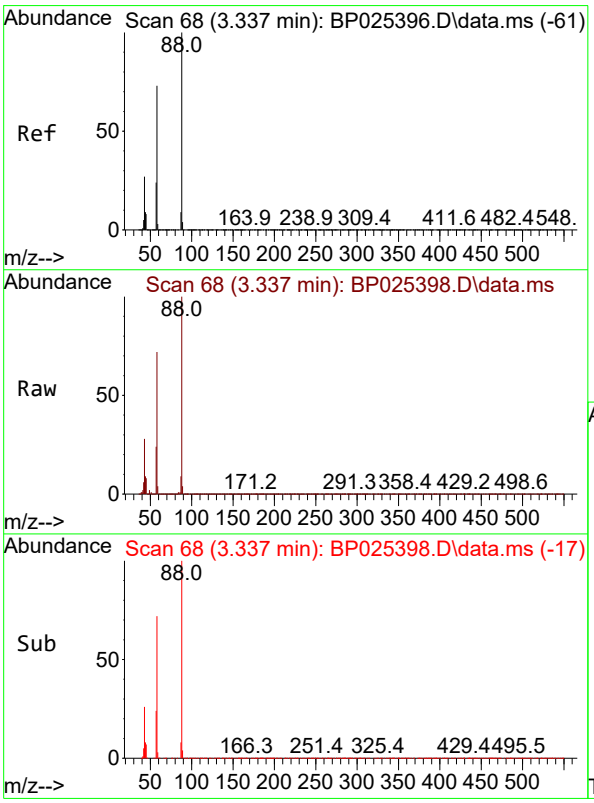
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 162248

Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.9	188.9
115	60.5	48.5	72.7

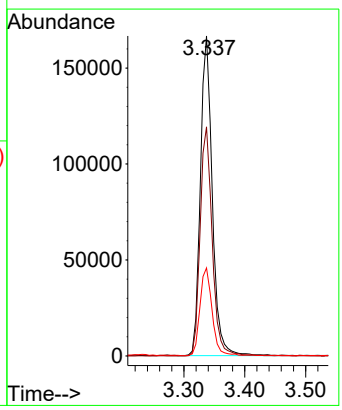


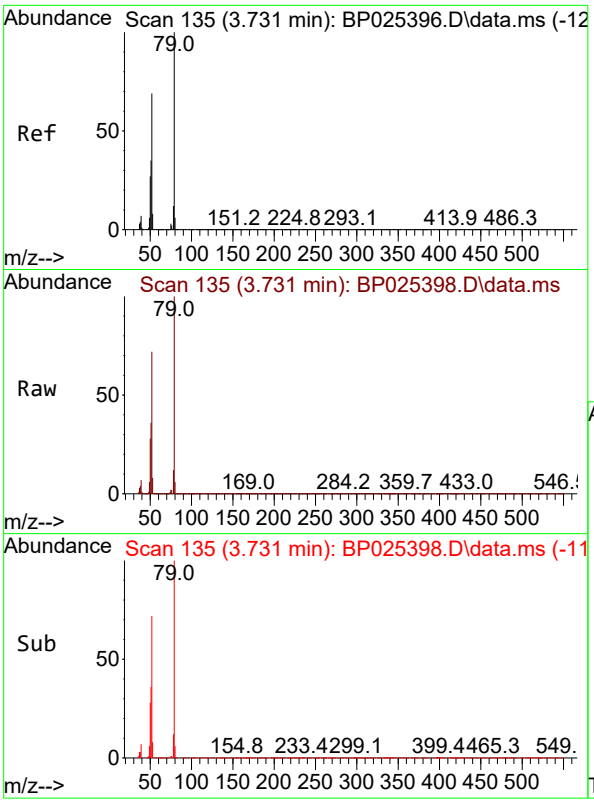


#2
1,4-Dioxane
Concen: 58.799 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 88 Resp: 225015

Ion	Ratio	Lower	Upper
88	100		
58	73.0	59.2	88.8
43	27.9	21.7	32.5



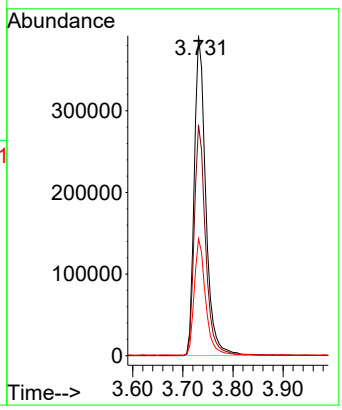


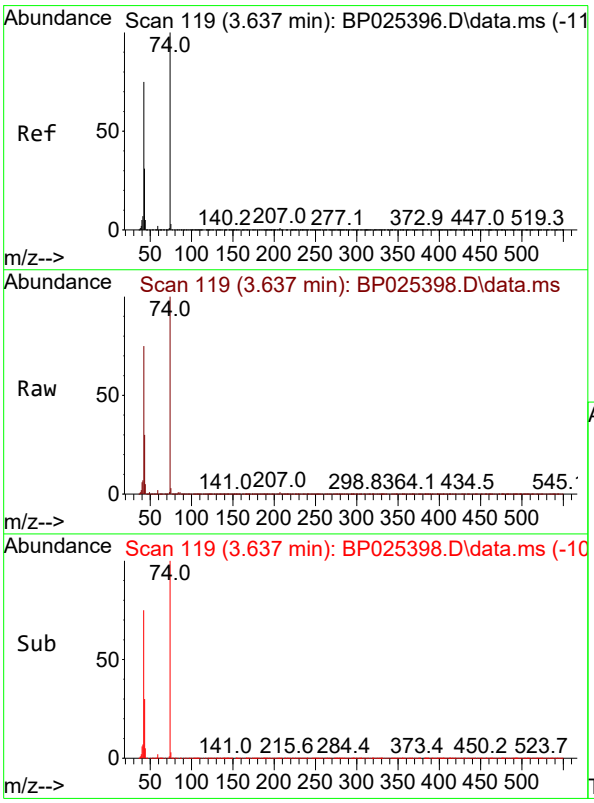
#3
Pyridine
Concen: 59.539 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 623639

Ion	Ratio	Lower	Upper
79	100		
52	72.1	55.5	83.3
51	36.5	28.3	42.5

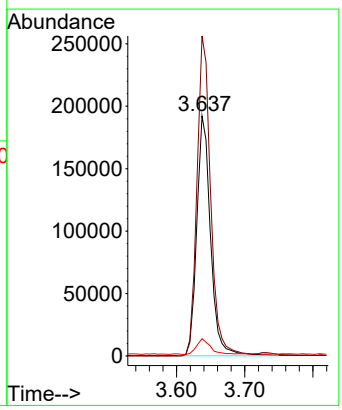


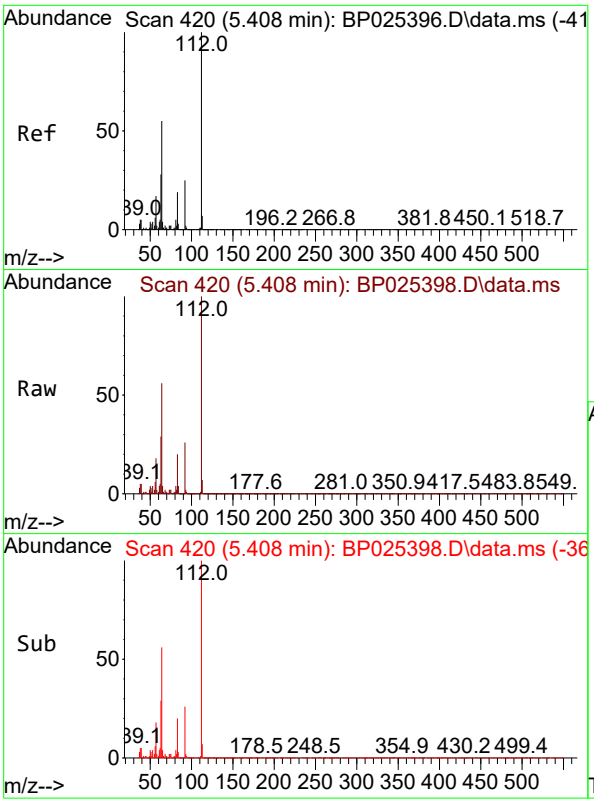


#4
n-Nitrosodimethylamine
Concen: 62.518 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 42 Resp: 269971

Ion	Ratio	Lower	Upper
42	100		
74	133.4	107.0	160.4
44	7.2	6.2	9.4



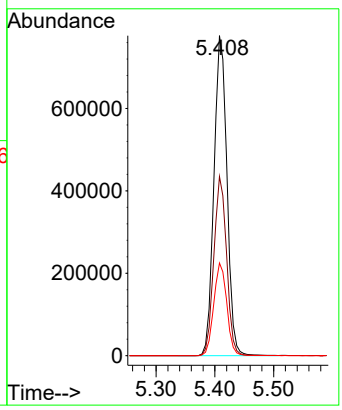


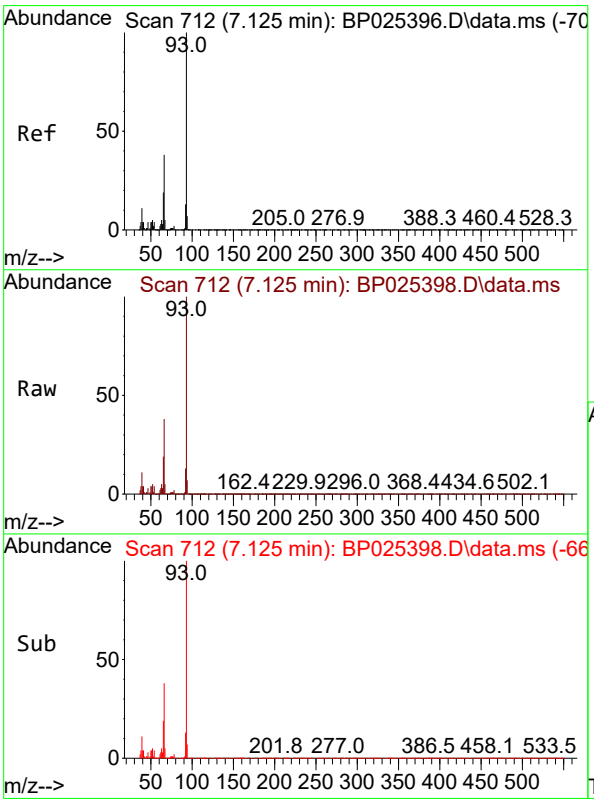
#5
2-Fluorophenol
Concen: 122.144 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1193329

Ion	Ratio	Lower	Upper
112	100		
64	56.0	43.8	65.8
63	29.0	22.7	34.1

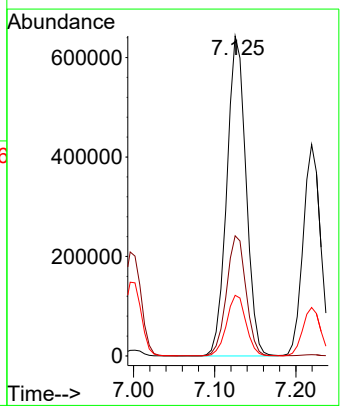


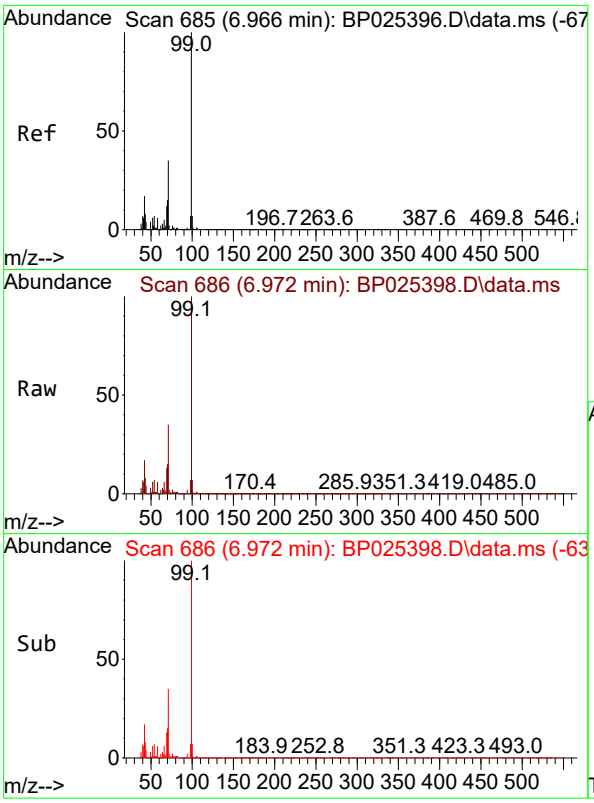


#6
Aniline
Concen: 62.408 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 93 Resp: 1053232

Ion	Ratio	Lower	Upper
93	100		
66	37.5	30.4	45.6
65	18.9	15.3	22.9



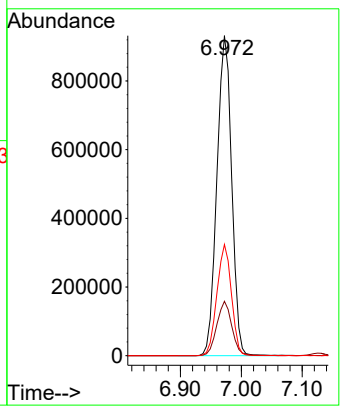


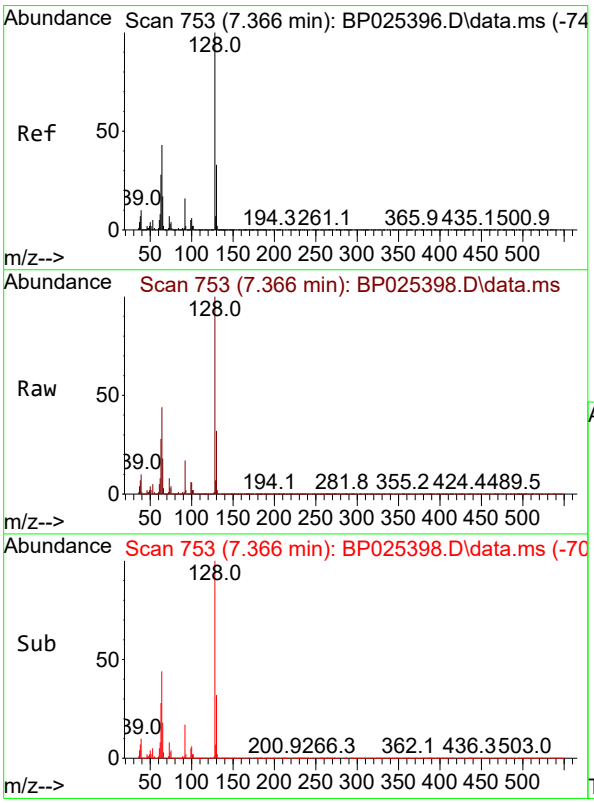
#7
Phenol-d6
Concen: 125.072 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1566626

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.7	20.5
71	34.8	28.2	42.4

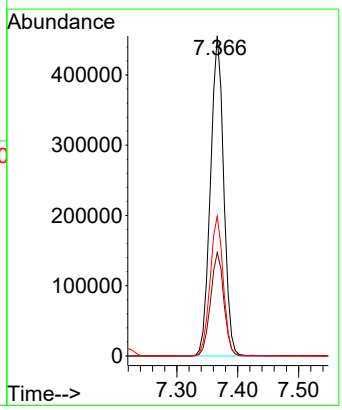


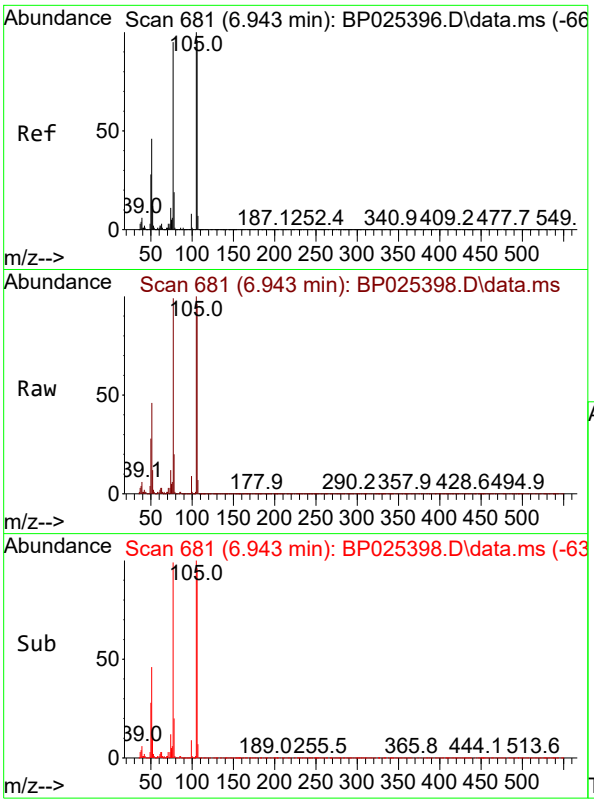


#8
2-Chlorophenol
Concen: 62.413 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:128 Resp: 688094

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	43.7	23.4	63.4



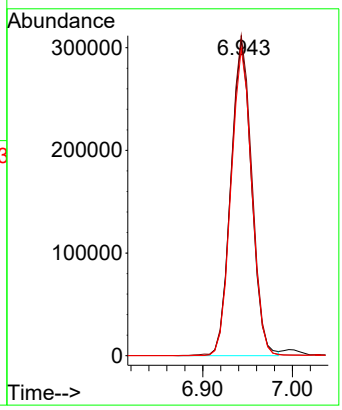


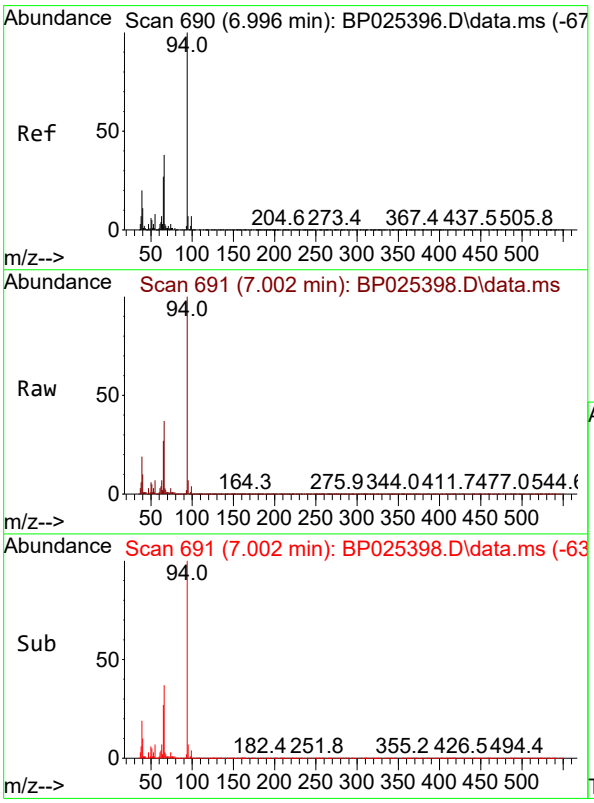
#9
Benzaldehyde
Concen: 55.745 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 489205

Ion	Ratio	Lower	Upper
77	100		
105	101.4	84.8	124.8
106	97.4	80.5	120.5

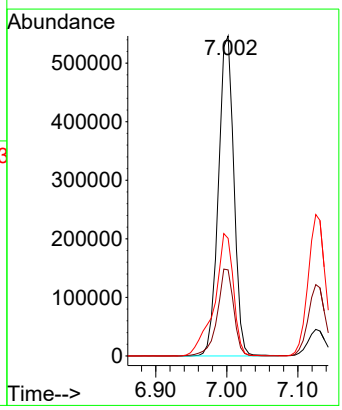


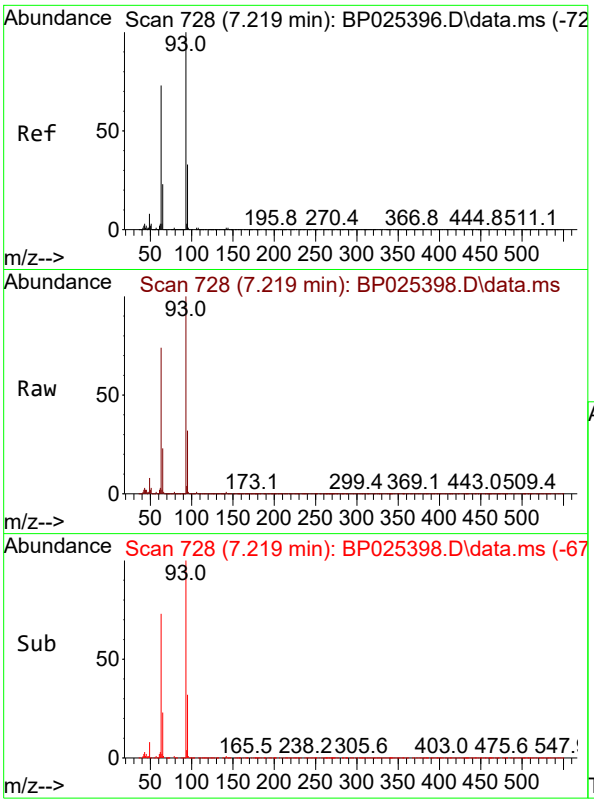


#10
Phenol
Concen: 62.530 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 94 Resp: 821863

Ion	Ratio	Lower	Upper
94	100		
65	26.9	6.8	46.8
66	36.8	18.2	58.2



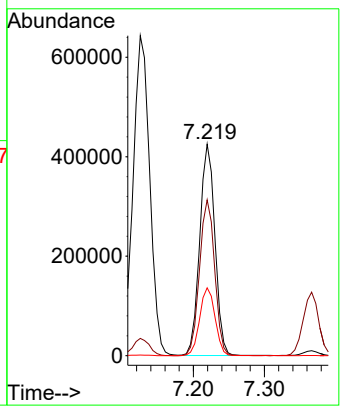


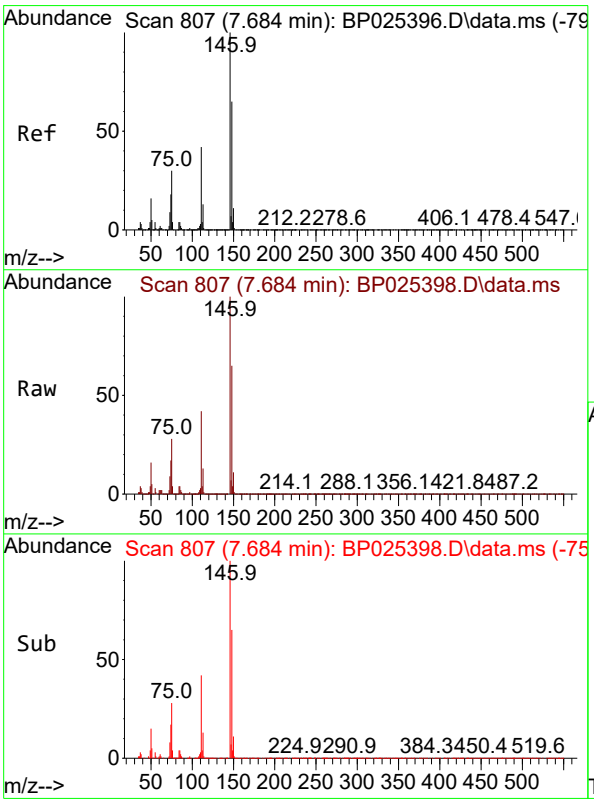
#11
bis(2-Chloroethyl)ether
Concen: 61.925 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 634374

Ion	Ratio	Lower	Upper
93	100		
63	73.6	52.6	92.6
95	32.0	12.7	52.7

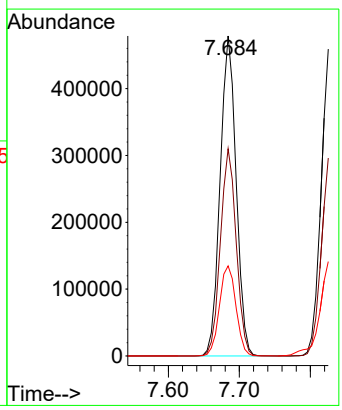


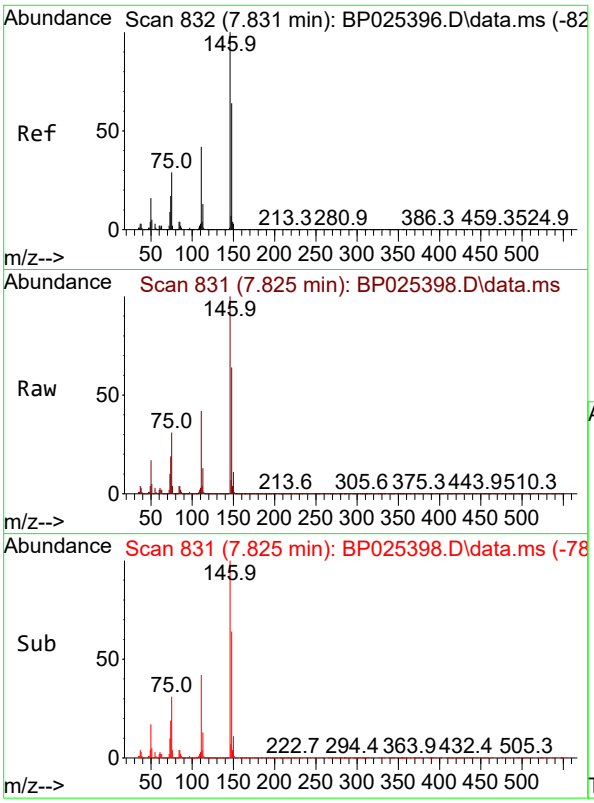


#12
1,3-Dichlorobenzene
Concen: 61.273 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:146 Resp: 744884

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	28.2	23.7	35.5



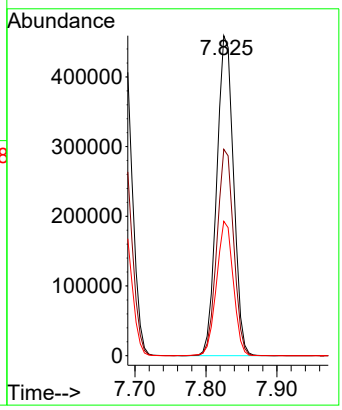


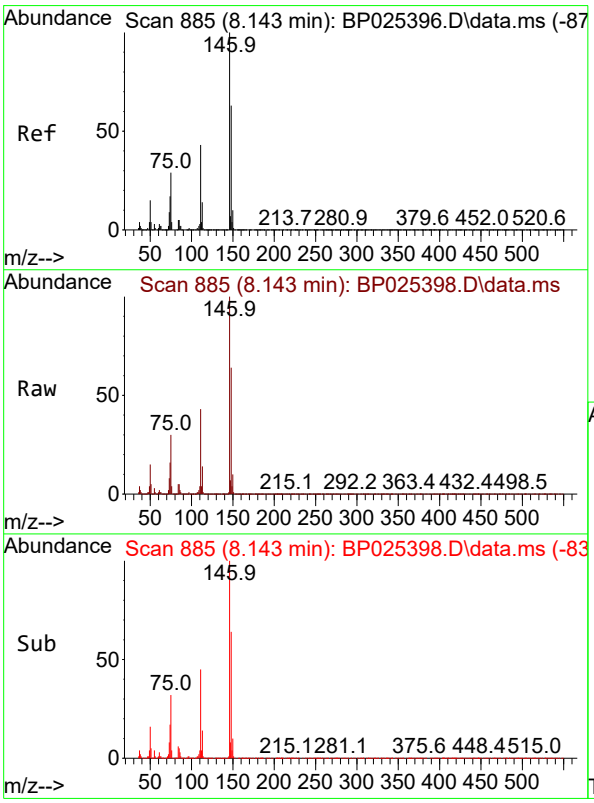
#13
1,4-Dichlorobenzene
Concen: 60.469 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 751354

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
111	42.0	33.4	50.0

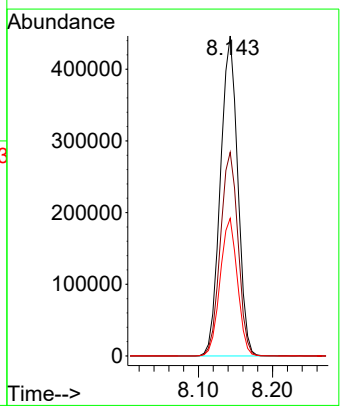


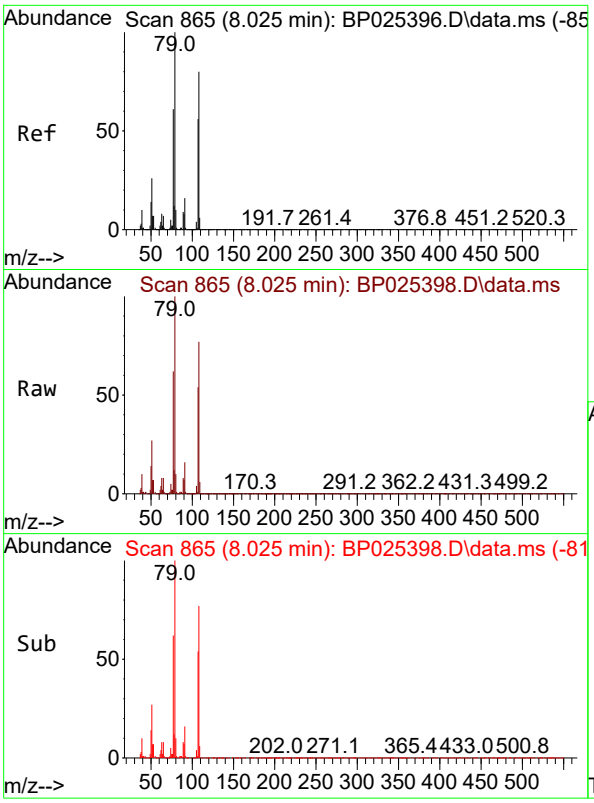


#14
1,2-Dichlorobenzene
Concen: 60.165 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:146 Resp: 723663

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	43.0	34.5	51.7



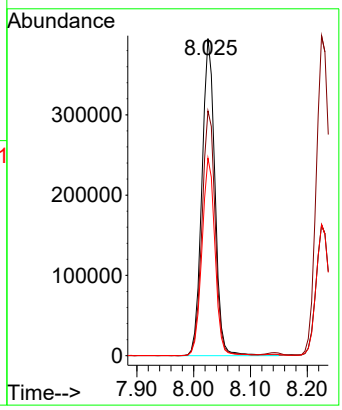


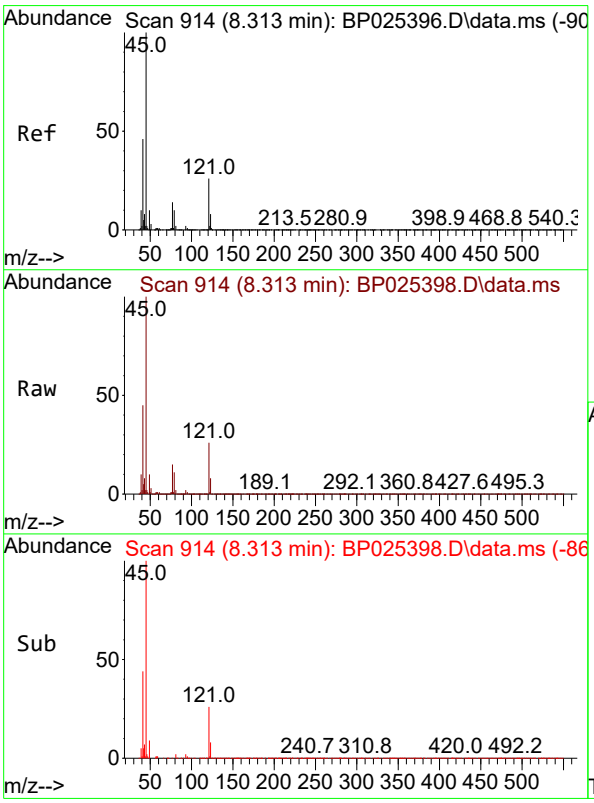
#15
Benzyl Alcohol
Concen: 63.019 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 627198

Ion	Ratio	Lower	Upper
79	100		
108	77.2	63.8	95.6
77	62.3	49.0	73.4

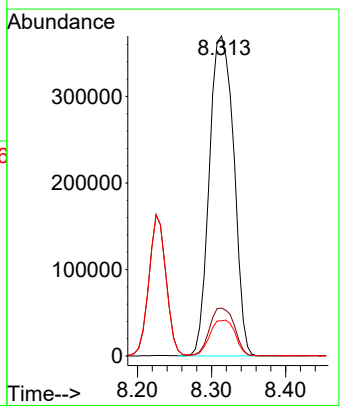


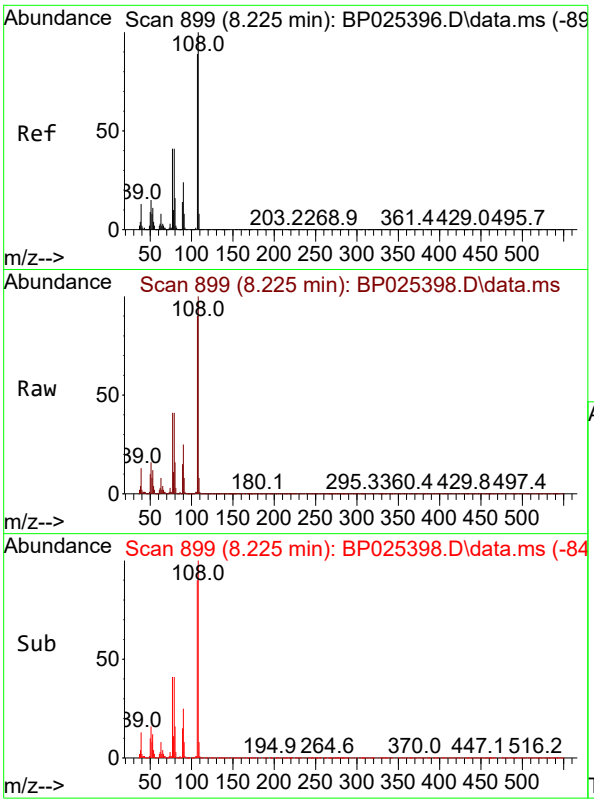


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.712 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 45 Resp: 846896

Ion	Ratio	Lower	Upper
45	100		
77	14.9	0.0	35.3
79	11.0	0.0	31.8



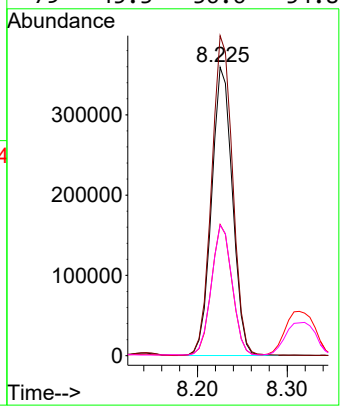


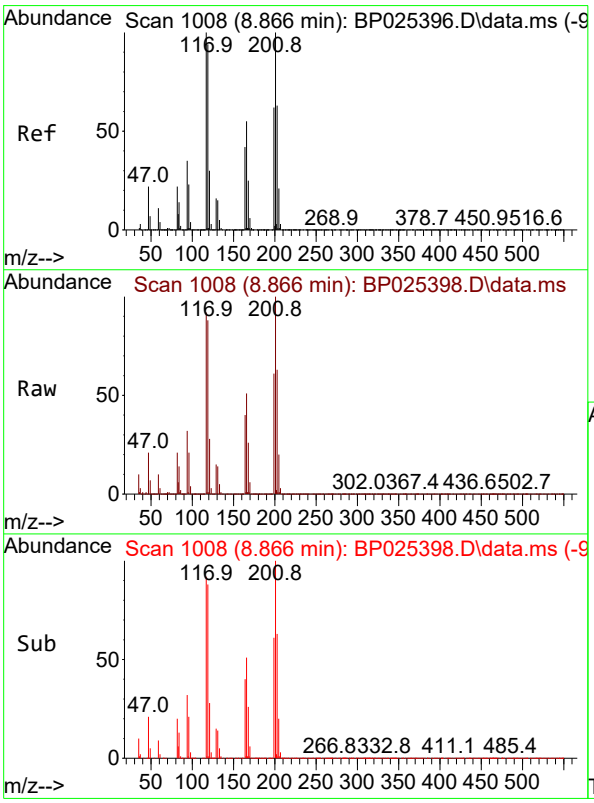
#17
2-Methylphenol
Concen: 63.480 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 579471

Ion	Ratio	Lower	Upper
107	100		
108	110.9	89.4	134.0
77	45.5	36.3	54.5
79	45.3	36.6	54.8

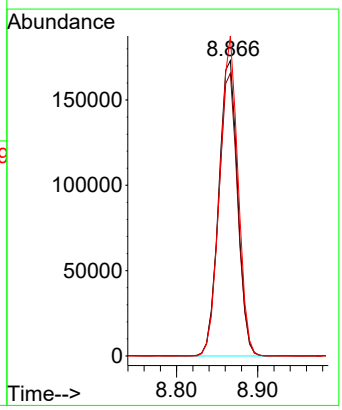


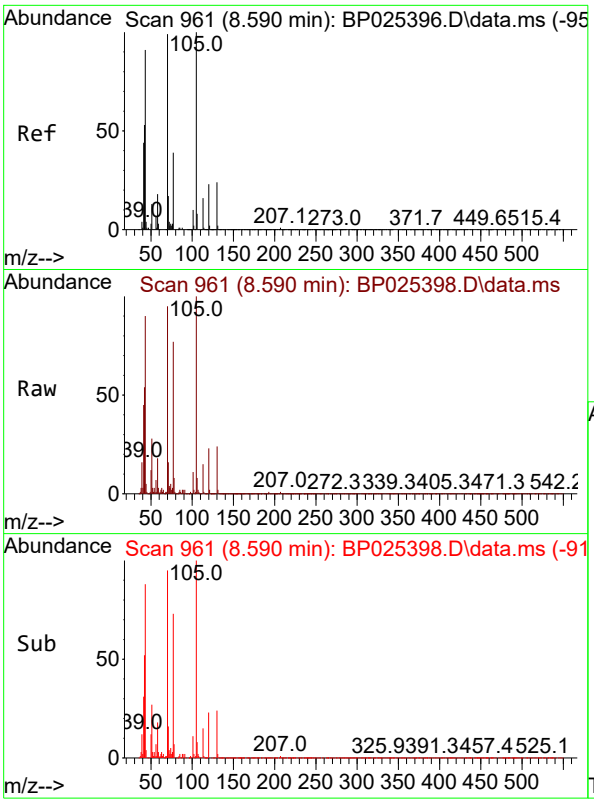


#18
Hexachloroethane
Concen: 61.535 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:117 Resp: 281129

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.1	112.7
201	108.4	80.1	120.1



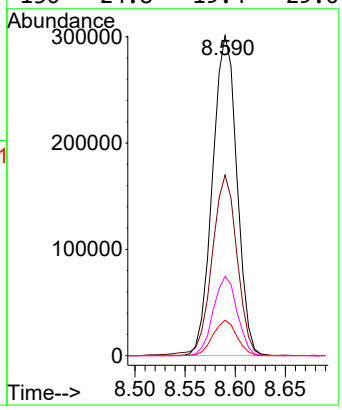


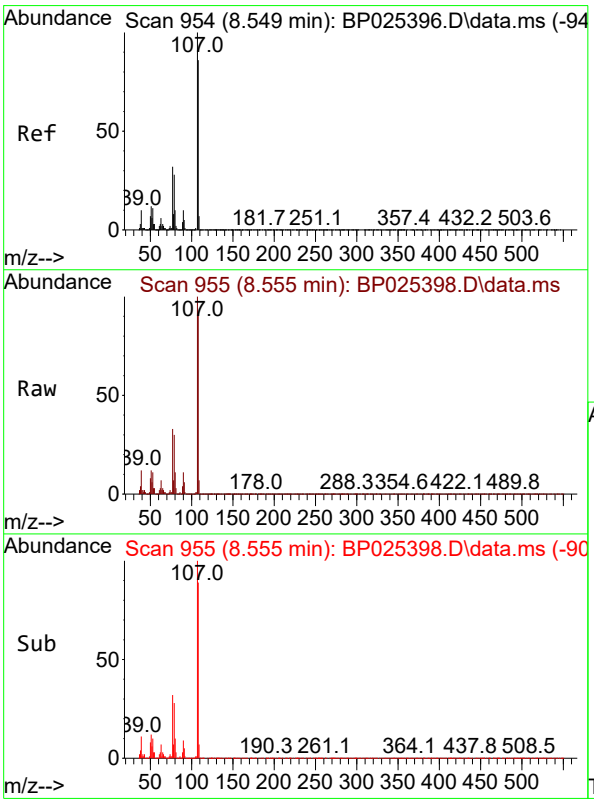
#19
n-Nitroso-di-n-propylamine
Concen: 61.060 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 507223

Ion	Ratio	Lower	Upper
70	100		
42	56.5	43.8	65.6
101	11.1	8.5	12.7
130	24.8	19.4	29.0

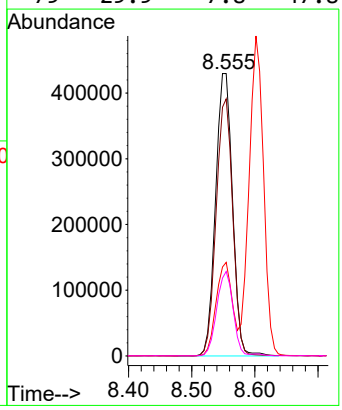


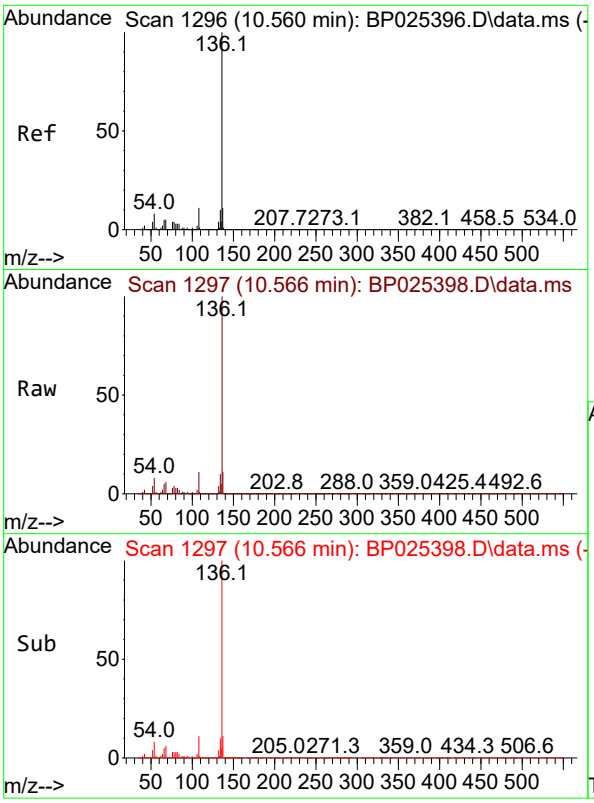


#20
3+4-Methylphenols
Concen: 63.075 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:107 Resp: 798107

Ion	Ratio	Lower	Upper
107	100		
108	91.0	66.3	106.3
77	33.1	12.3	52.3
79	29.9	7.8	47.8



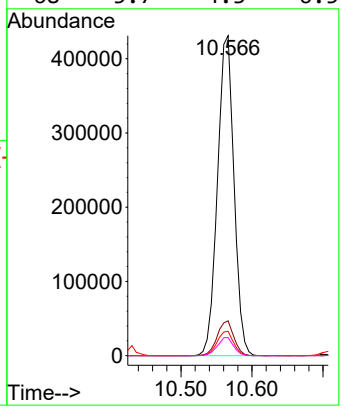


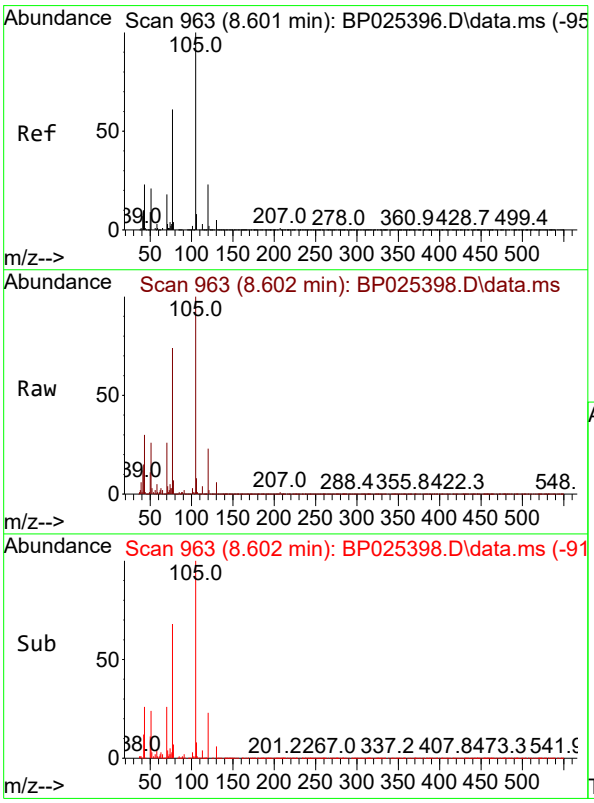
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 693237

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.6	6.0	9.0
68	5.7	4.3	6.5

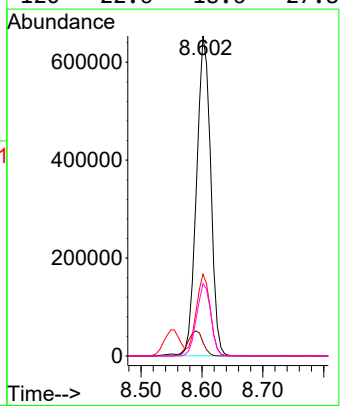


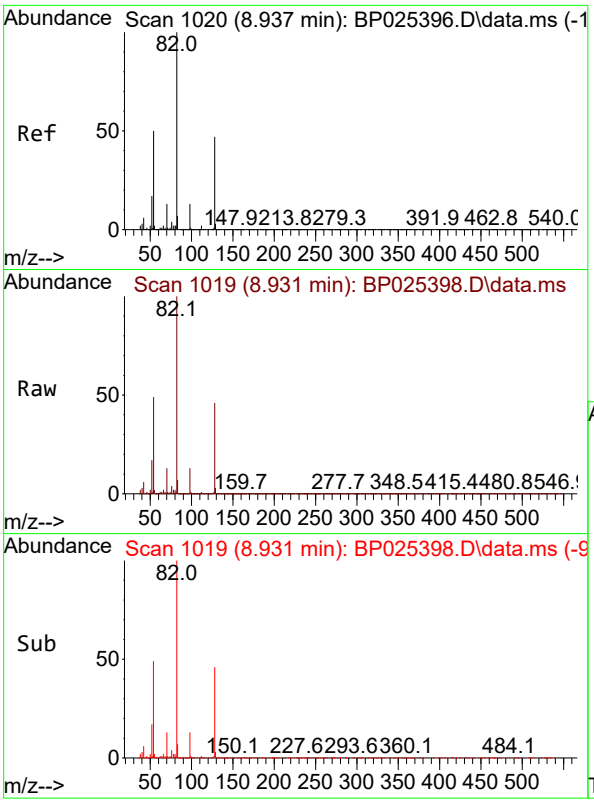


#22
Acetophenone
Concen: 60.503 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:105 Resp: 1051848

Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.6	4.0#
51	25.5	20.6	30.8
120	22.6	18.6	27.8



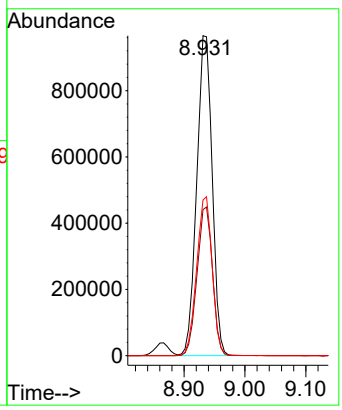


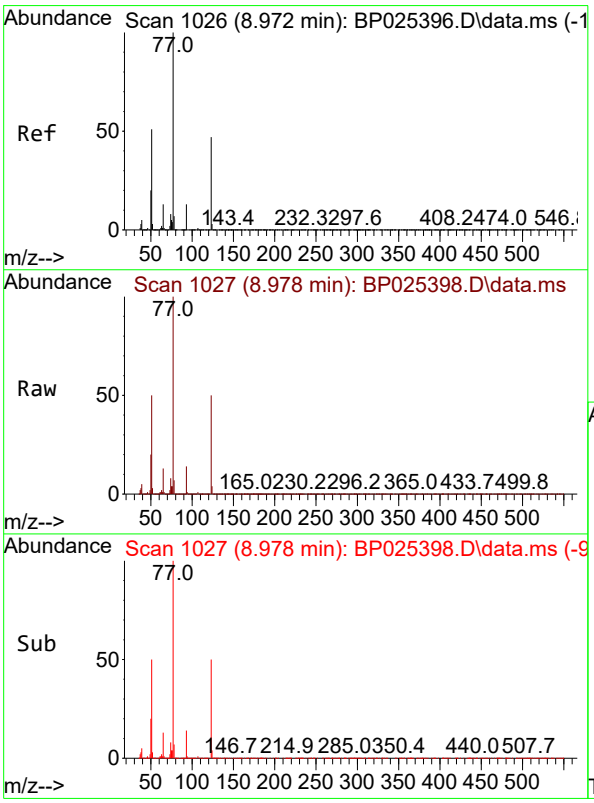
#23
Nitrobenzene-d5
Concen: 123.944 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1698557

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.7	56.5
54	48.6	39.8	59.6

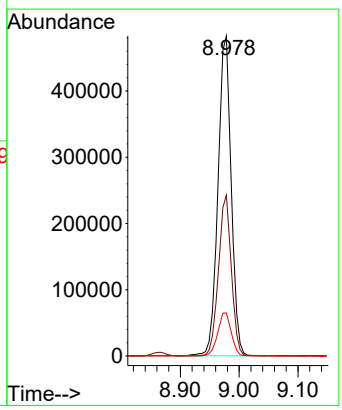


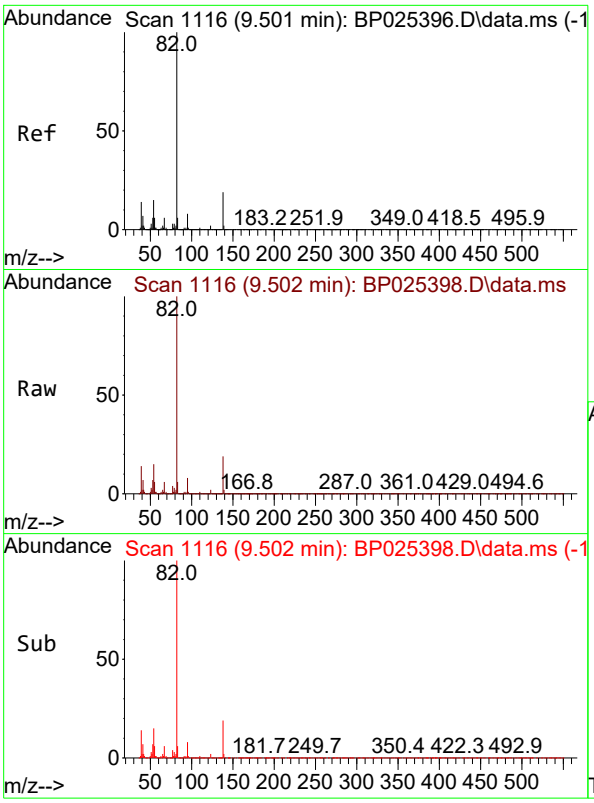


#24
Nitrobenzene
Concen: 61.461 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 77 Resp: 752762

Ion	Ratio	Lower	Upper
77	100		
123	50.3	38.6	58.0
65	13.4	10.6	15.8



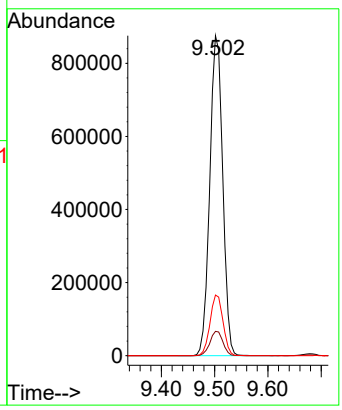


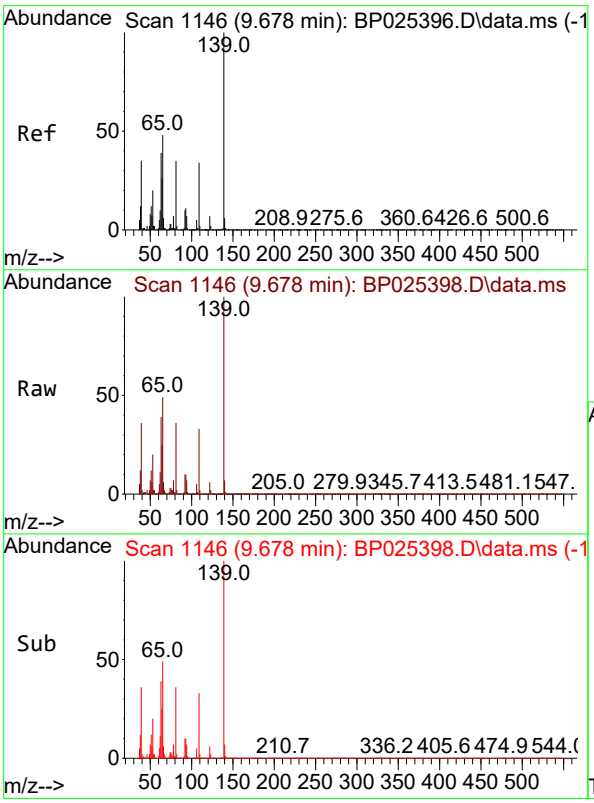
#25
Isophorone
Concen: 60.825 ng
RT: 9.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1475193

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	19.0	15.4	23.0

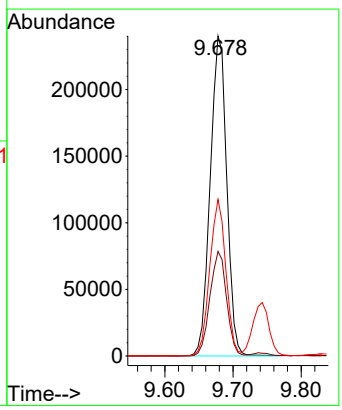


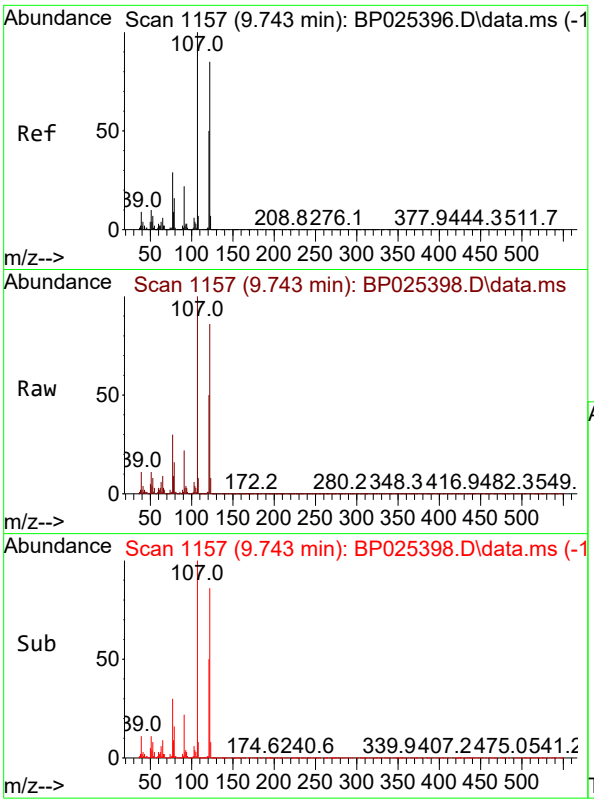


#26
2-Nitrophenol
Concen: 64.564 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:139 Resp: 405821

Ion	Ratio	Lower	Upper
139	100		
109	32.7	26.9	40.3
65	48.9	38.3	57.5



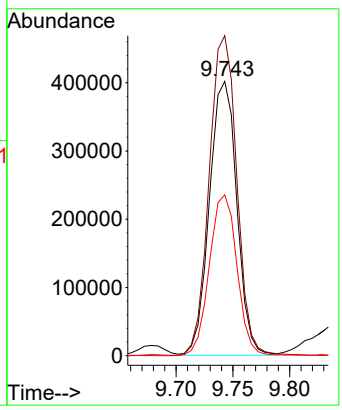


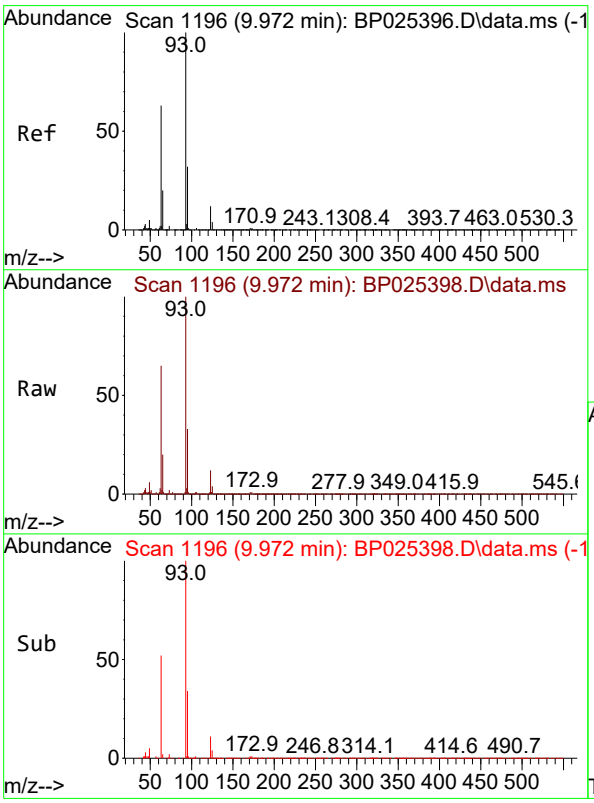
#27
2,4-Dimethylphenol
Concen: 62.463 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 675186

Ion	Ratio	Lower	Upper
122	100		
107	116.7	93.7	140.5
121	58.6	46.6	69.8

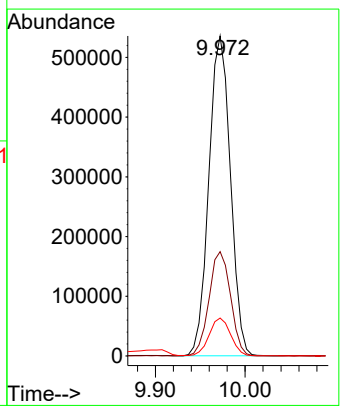


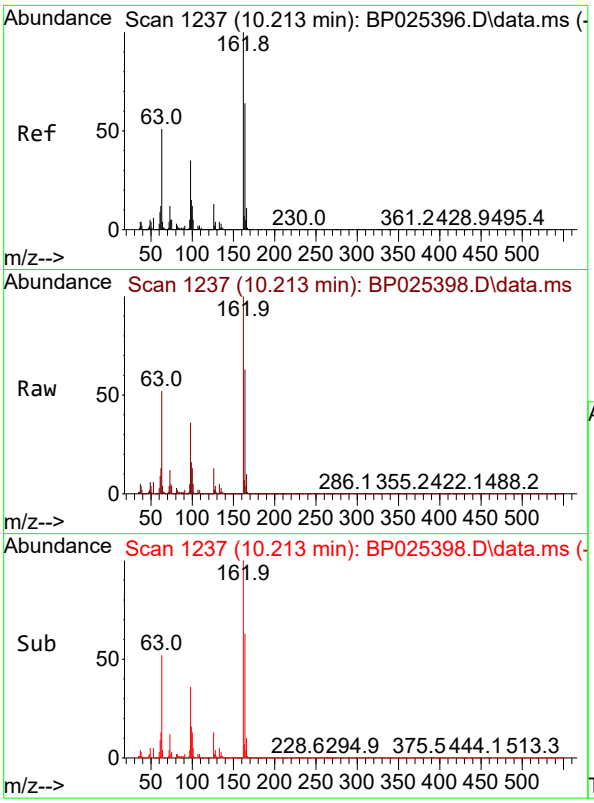


#28
bis(2-Chloroethoxy)methane
Concen: 61.040 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 93 Resp: 894872

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.4	38.0
123	11.9	9.4	14.0



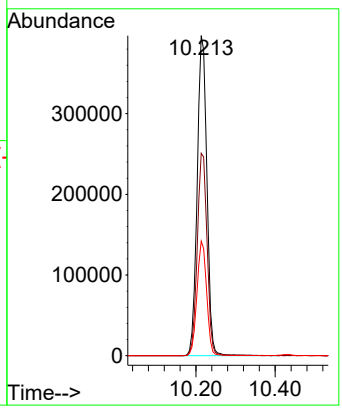


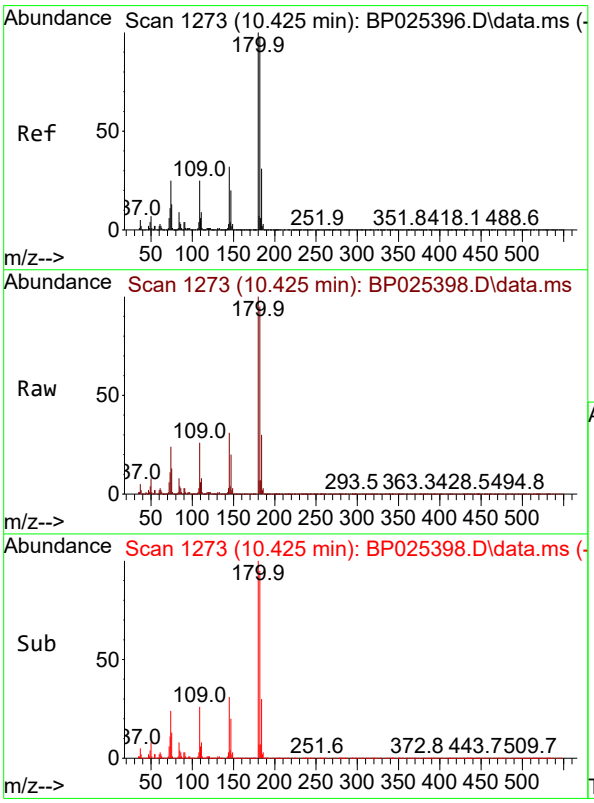
#29
2,4-Dichlorophenol
Concen: 62.764 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 673952

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.4	84.4
98	35.8	14.9	54.9

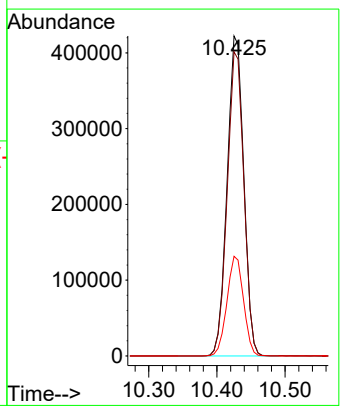


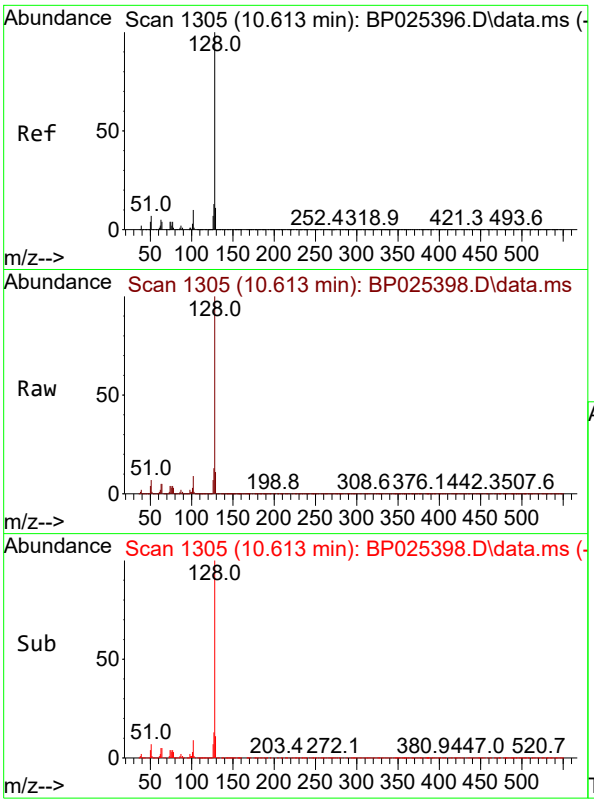


#30
1,2,4-Trichlorobenzene
Concen: 60.823 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:180 Resp: 715954

Ion	Ratio	Lower	Upper
180	100		
182	95.0	78.0	117.0
145	31.2	25.9	38.9



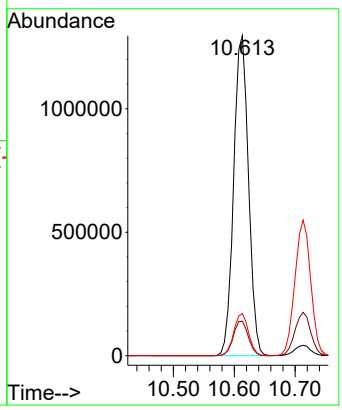


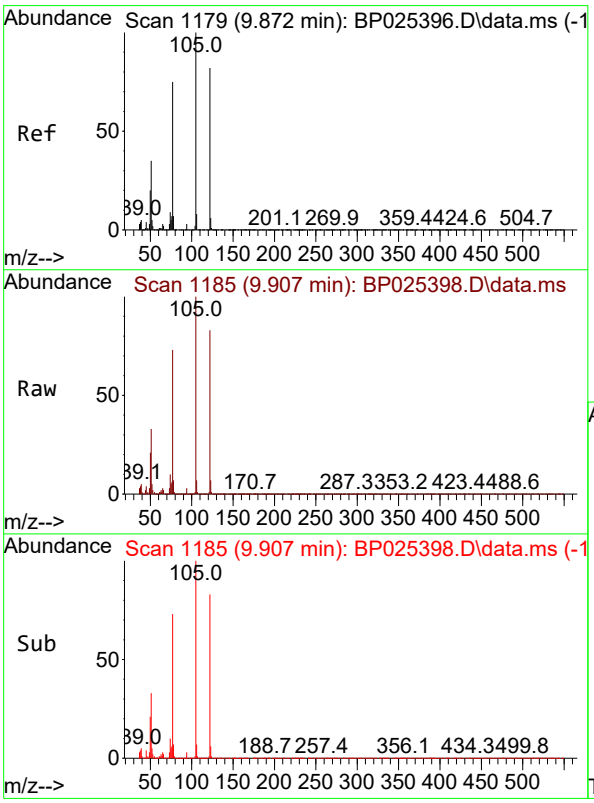
#31
Naphthalene
Concen: 60.722 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 2187912

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.7	16.1

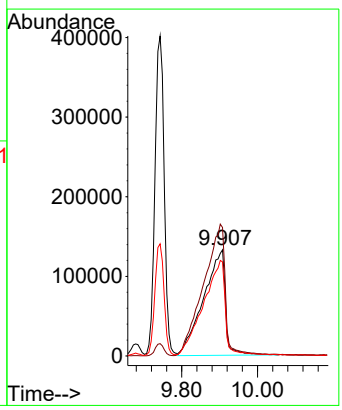


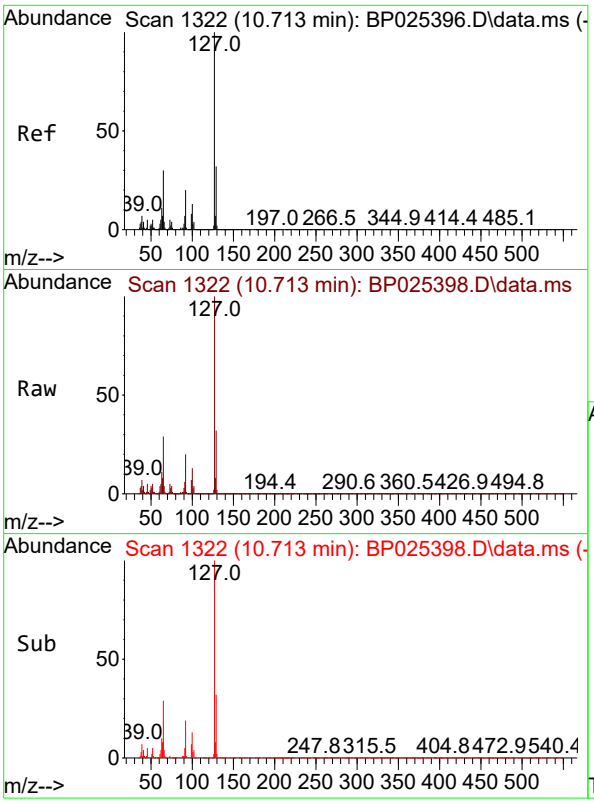


#32
Benzoic acid
Concen: 66.651 ng
RT: 9.907 min Scan# 1185
Delta R.T. 0.035 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:122 Resp: 530609

Ion	Ratio	Lower	Upper
122	100		
105	121.0	100.6	140.6
77	88.6	71.5	111.5



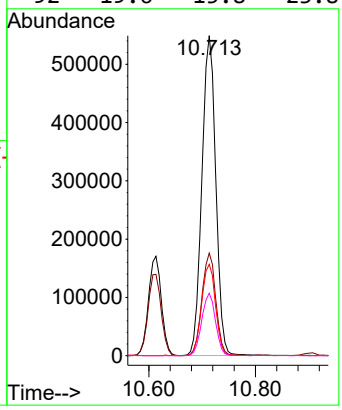


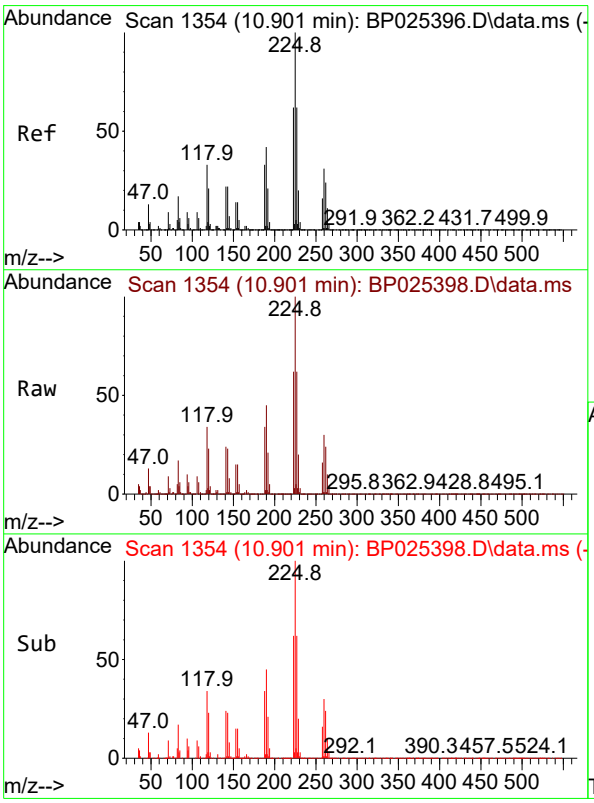
#33
4-Chloroaniline
Concen: 62.401 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 993155

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.4	38.2
65	28.5	23.8	35.6
92	19.6	15.8	23.8

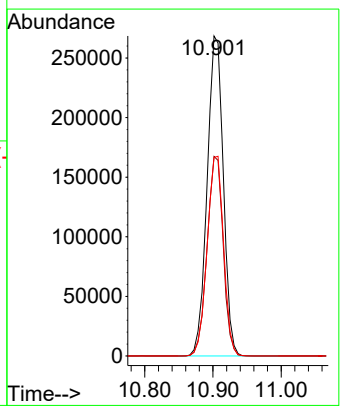


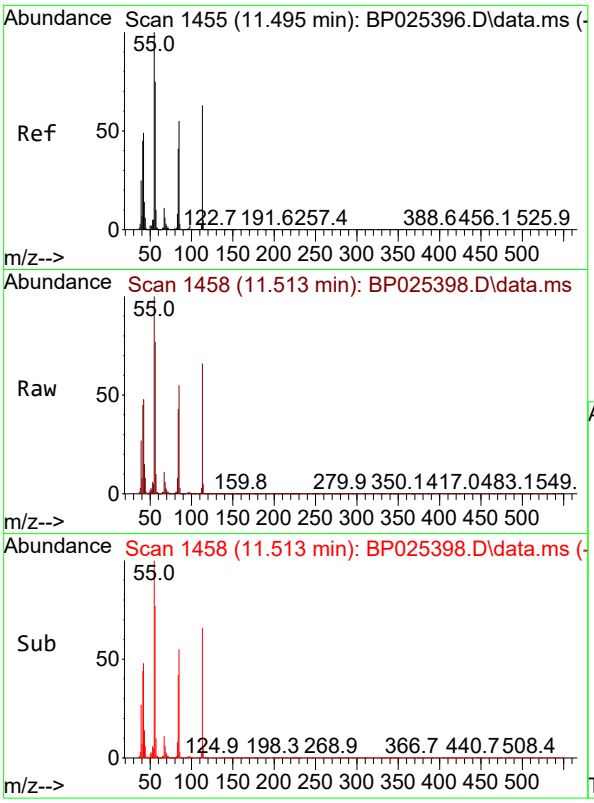


#34
Hexachlorobutadiene
Concen: 60.421 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:225 Resp: 442929

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.0	75.0
227	62.1	49.7	74.5



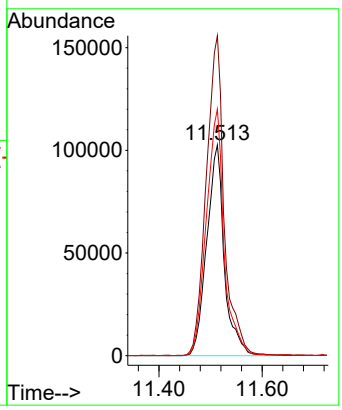


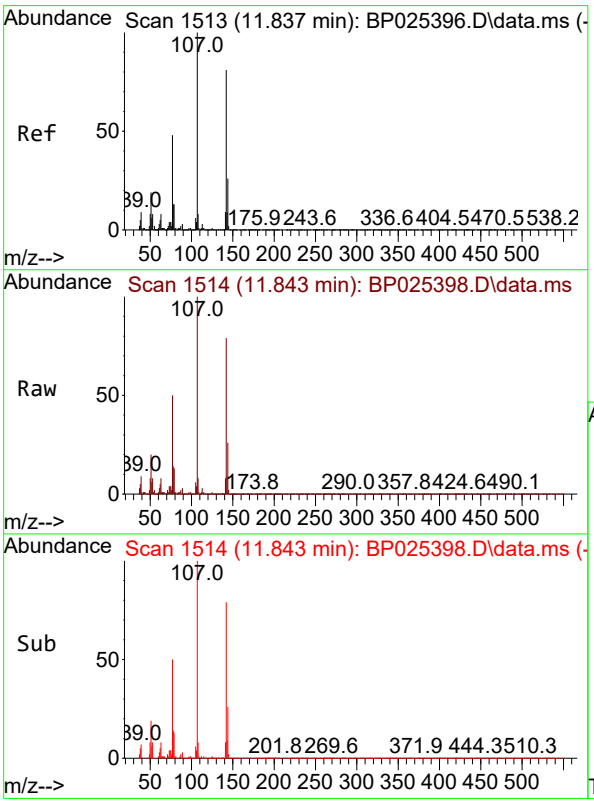
#35
Caprolactam
Concen: 61.340 ng
RT: 11.513 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 241521

Ion	Ratio	Lower	Upper
113	100		
55	151.8	140.0	180.0
56	117.0	100.0	140.0

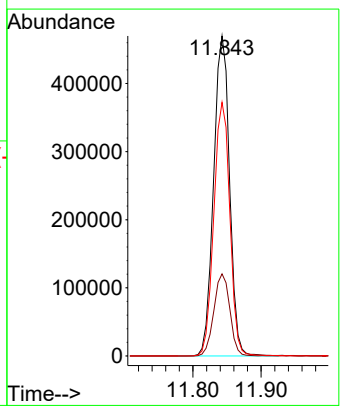


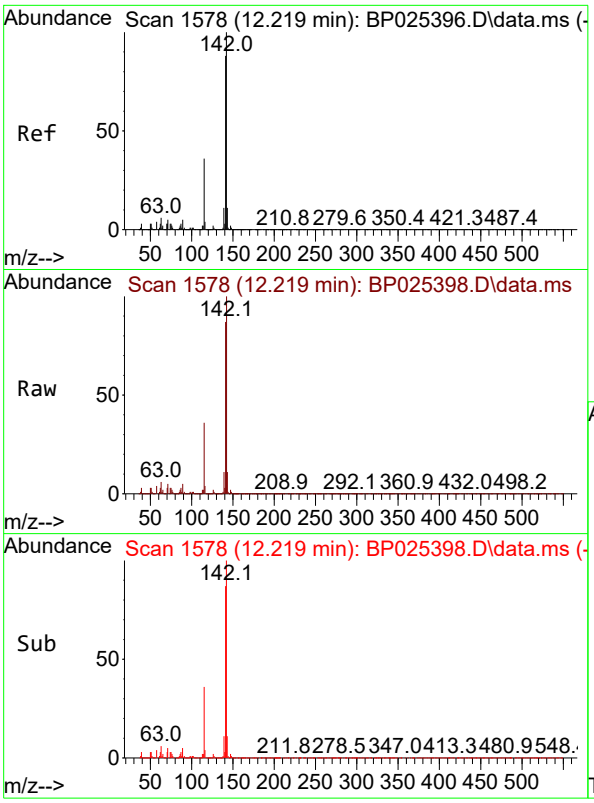


#36
4-Chloro-3-methylphenol
Concen: 62.033 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:107 Resp: 764338

Ion	Ratio	Lower	Upper
107	100		
144	25.7	21.0	31.4
142	79.2	64.6	97.0



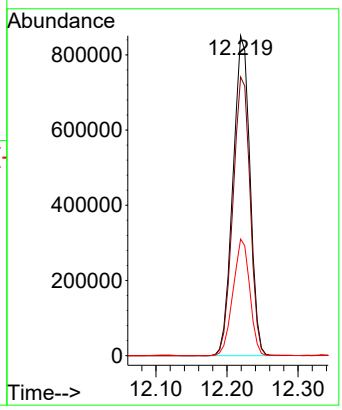


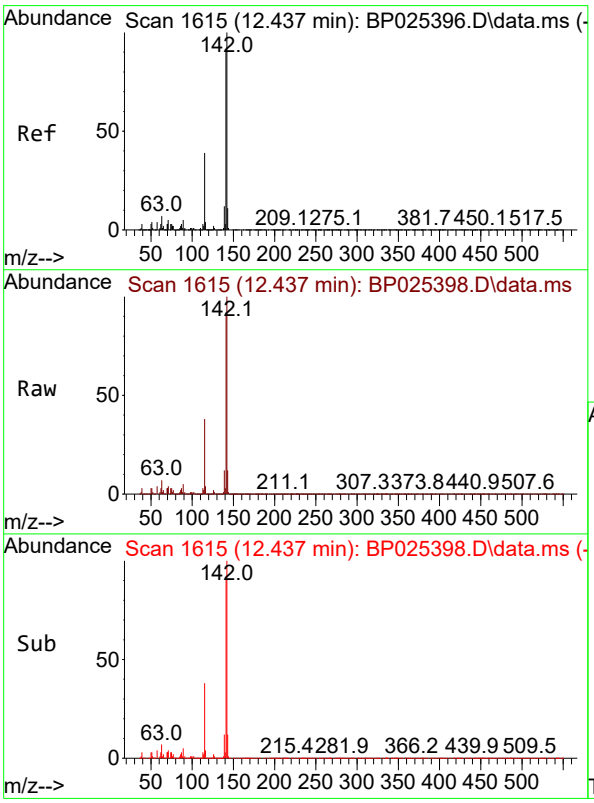
#37
2-Methylnaphthalene
Concen: 60.511 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1418882

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.3	105.5
115	36.5	28.9	43.3

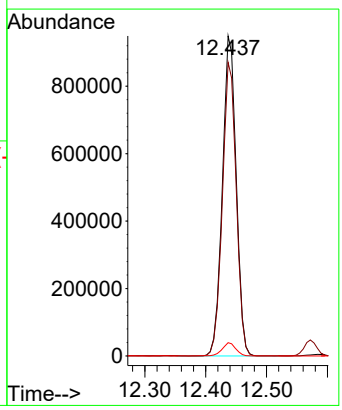


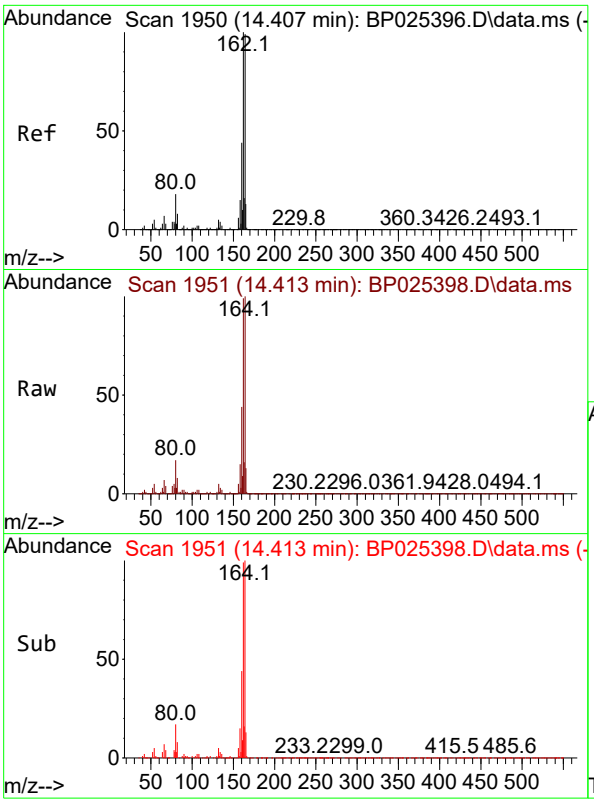


#38
1-Methylnaphthalene
Concen: 59.925 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:142 Resp: 1494304

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.1	109.7
116	4.1	3.2	4.8



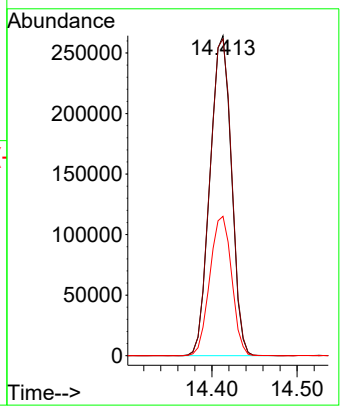


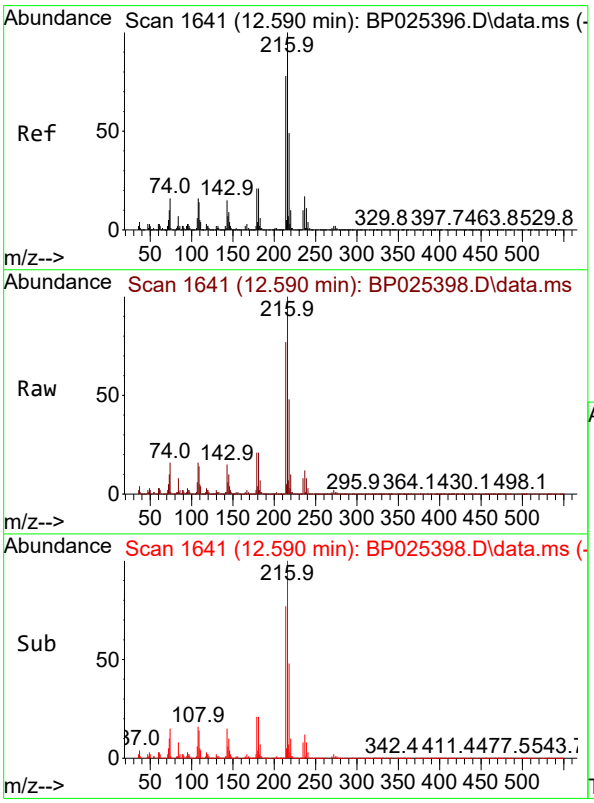
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 460439

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.0	121.6
160	43.6	35.4	53.2

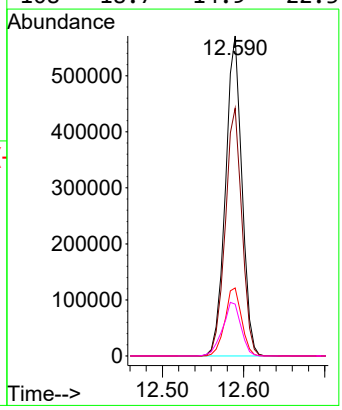


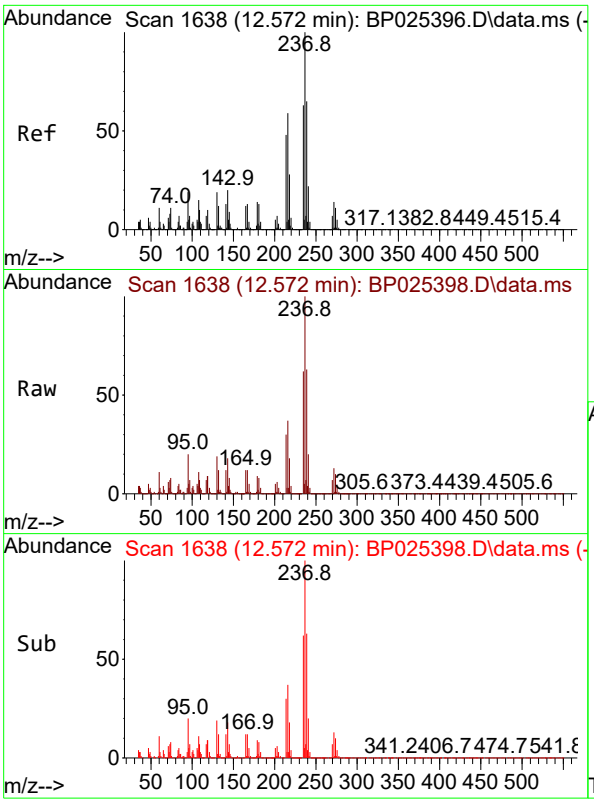


#40
1,2,4,5-Tetrachlorobenzene
Concen: 60.365 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:216 Resp: 802737

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	21.6	17.1	25.7
108	18.7	14.9	22.3



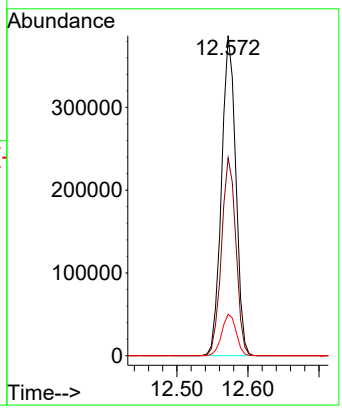


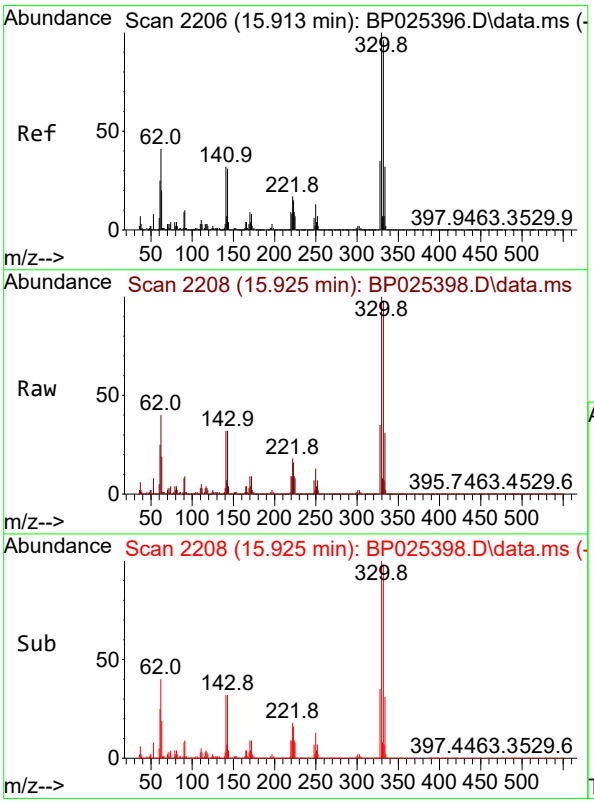
#41
Hexachlorocyclopentadiene
Concen: 66.784 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 536440

Ion	Ratio	Lower	Upper
237	100		
235	61.9	42.7	82.7
272	13.0	0.0	34.0

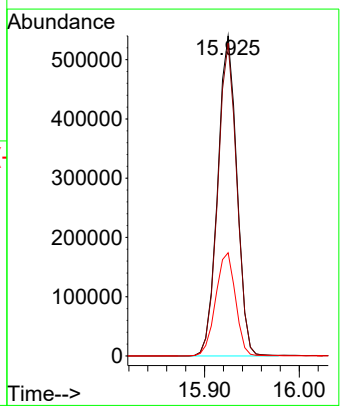


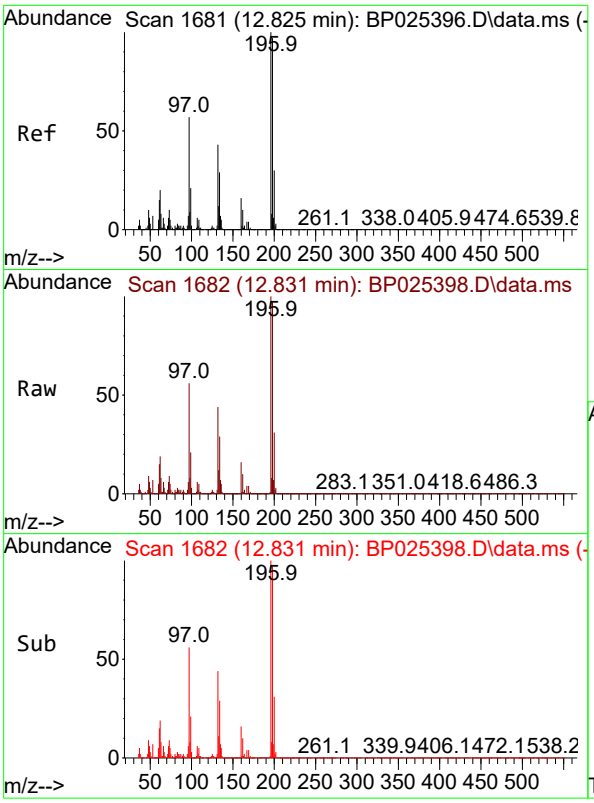


#42
2,4,6-Tribromophenol
Concen: 122.748 ng
RT: 15.925 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:330 Resp: 760738

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	33.3	26.6	39.8



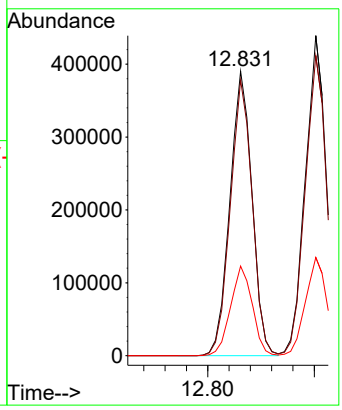


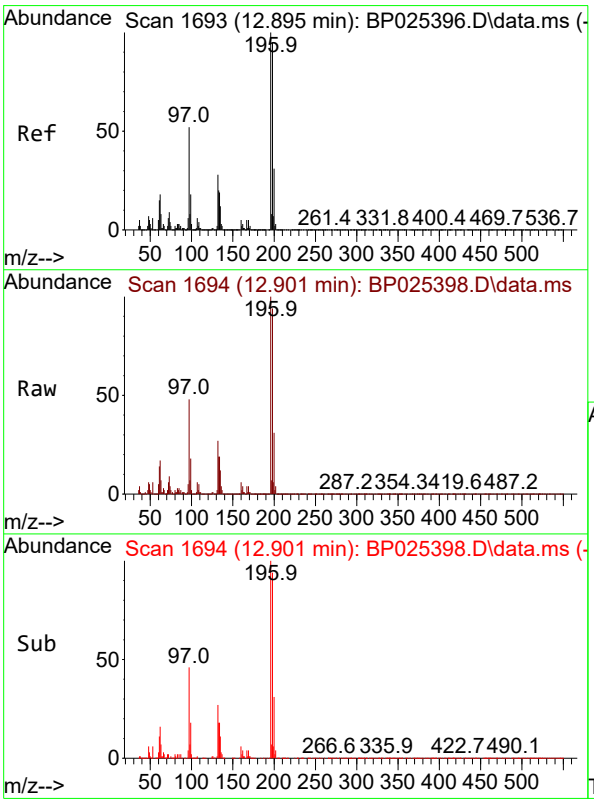
#43
2,4,6-Trichlorophenol
Concen: 62.841 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 564165

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.2	115.8
200	31.5	23.9	35.9

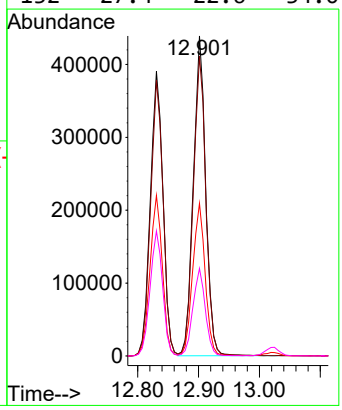


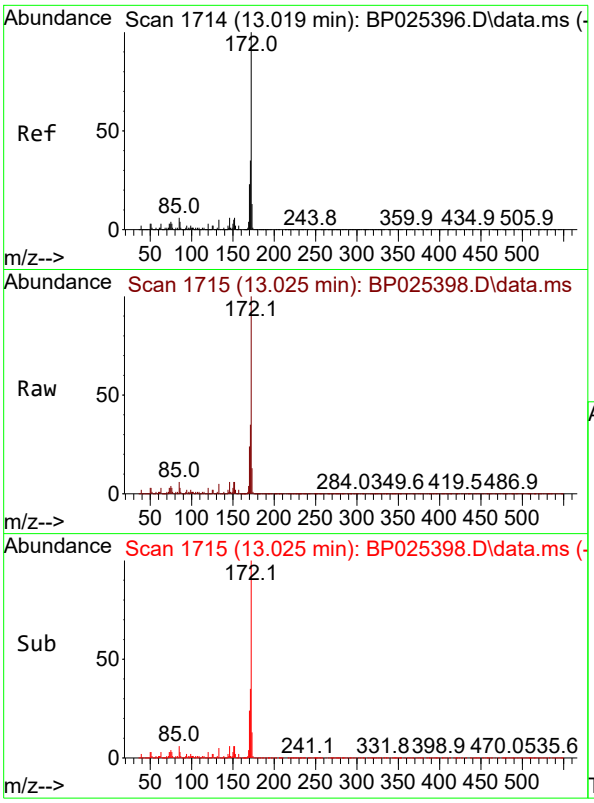


#44
2,4,5-Trichlorophenol
Concen: 62.937 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:196 Resp: 619246

Ion	Ratio	Lower	Upper
196	100		
198	93.8	76.2	114.2
97	47.7	41.2	61.8
132	27.4	22.6	34.0



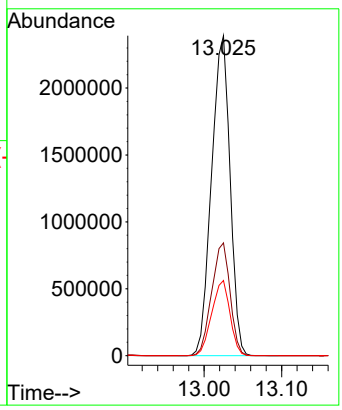


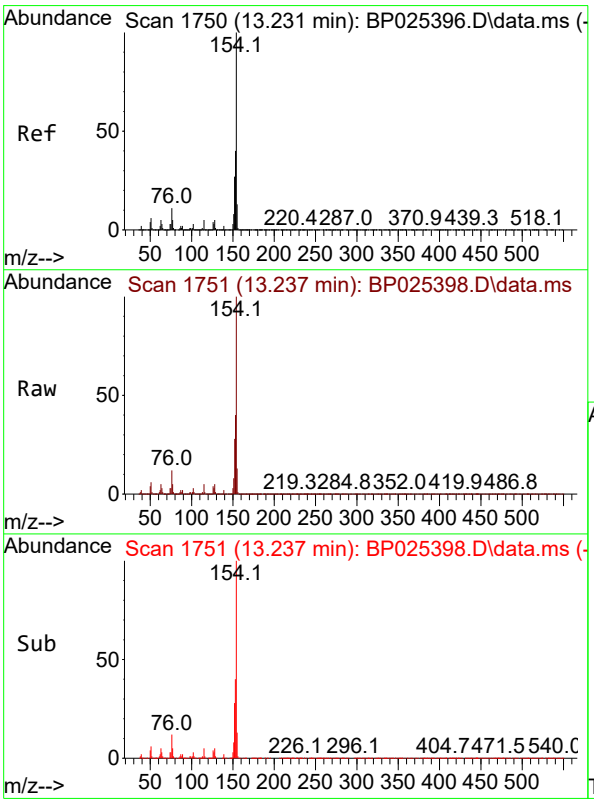
#45
2-Fluorobiphenyl
Concen: 117.656 ng
RT: 13.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 3963871

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.5	18.6	28.0

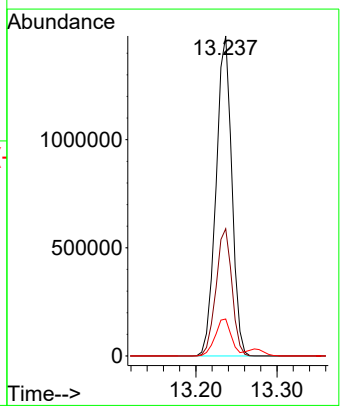


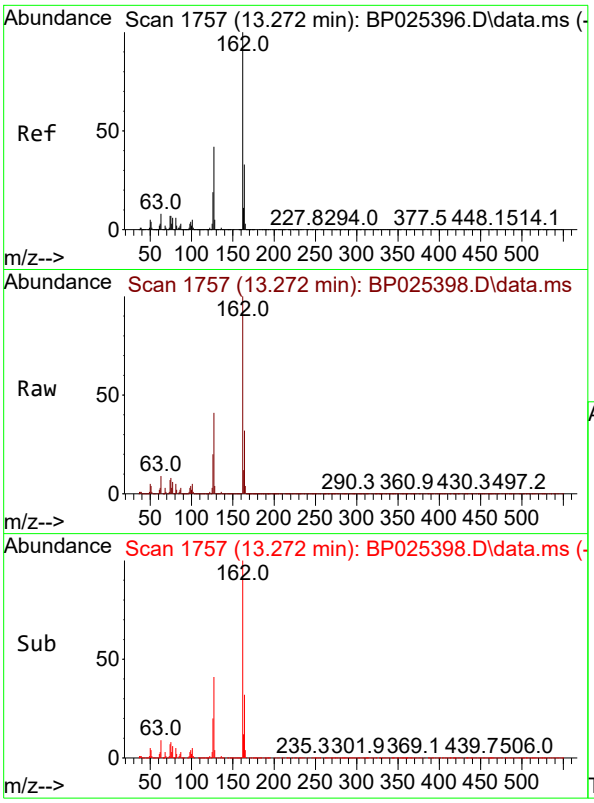


#46
1,1'-Biphenyl
Concen: 59.695 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:154 Resp: 1996186

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.5	59.5
76	11.6	0.0	31.1



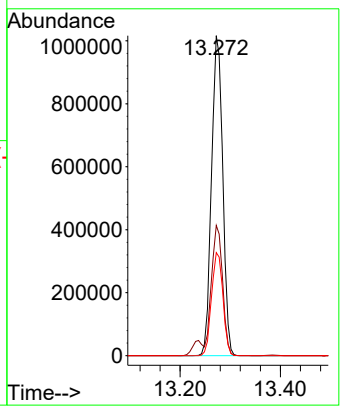


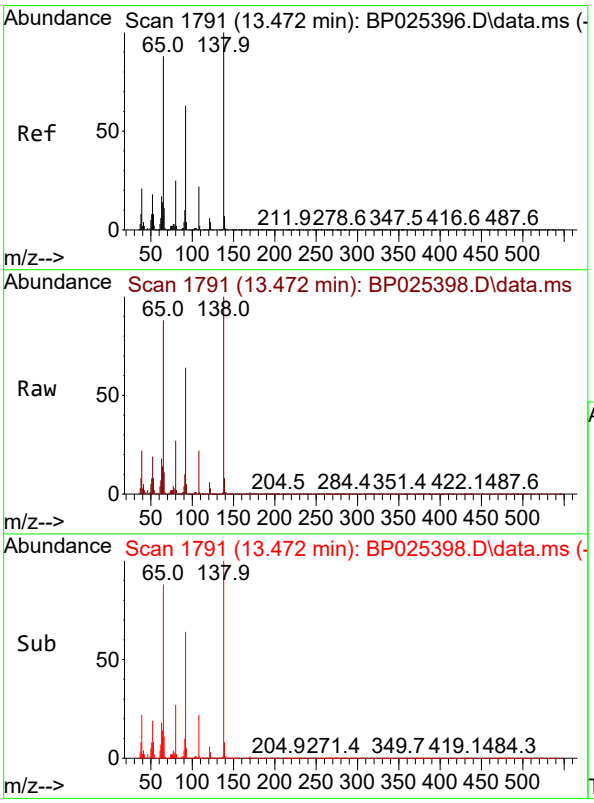
#47
2-Chloronaphthalene
Concen: 60.600 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1577577

Ion	Ratio	Lower	Upper
162	100		
127	40.7	33.4	50.2
164	32.2	26.2	39.2

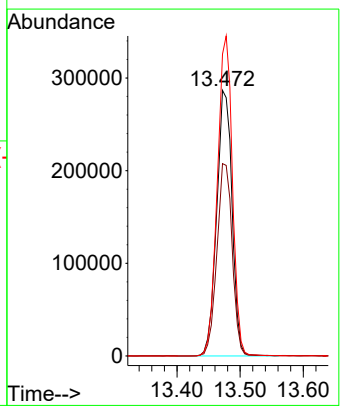


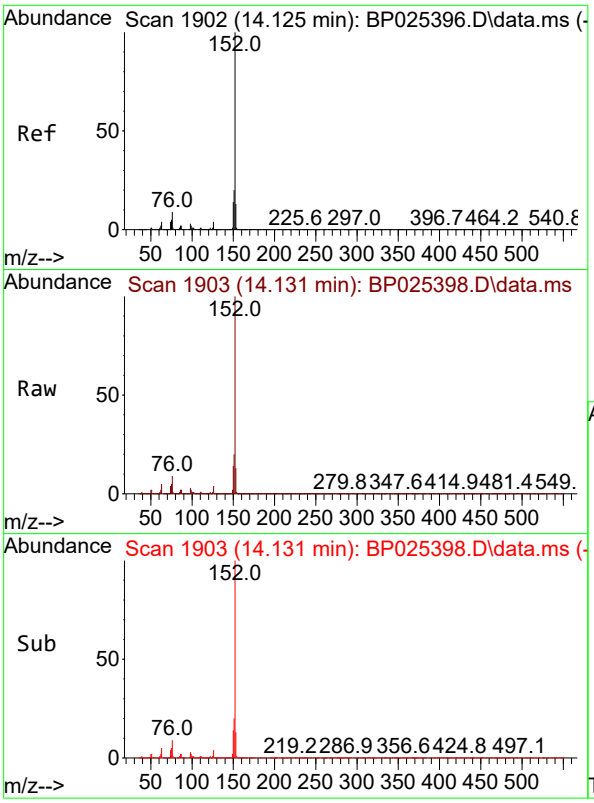


#48
2-Nitroaniline
Concen: 63.996 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 65 Resp: 485429

Ion	Ratio	Lower	Upper
65	100		
92	72.4	57.6	86.4
138	113.7	91.0	136.6



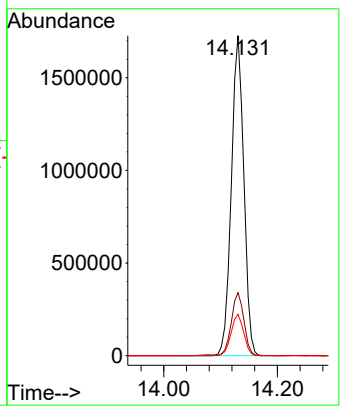


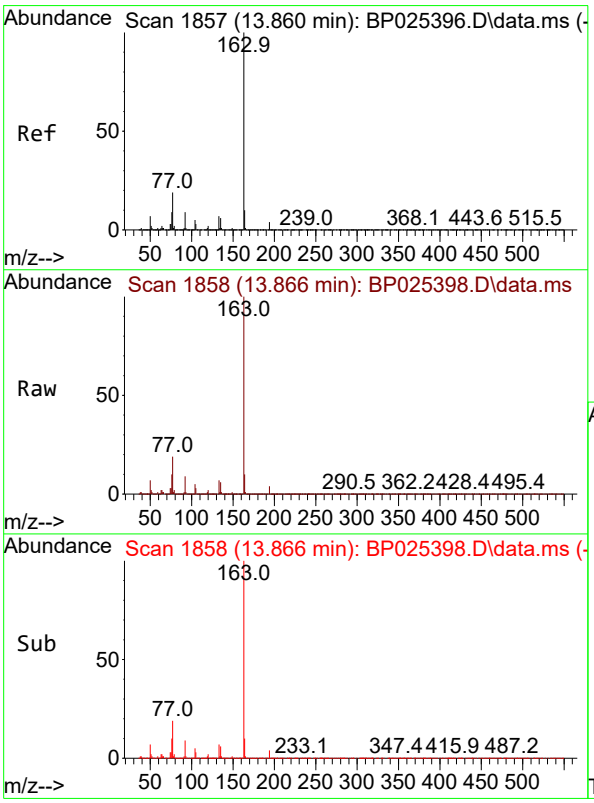
#49
Acenaphthylene
Concen: 61.147 ng
RT: 14.131 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 2634005

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.0	10.6	15.8

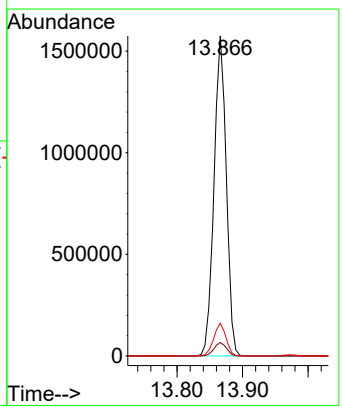


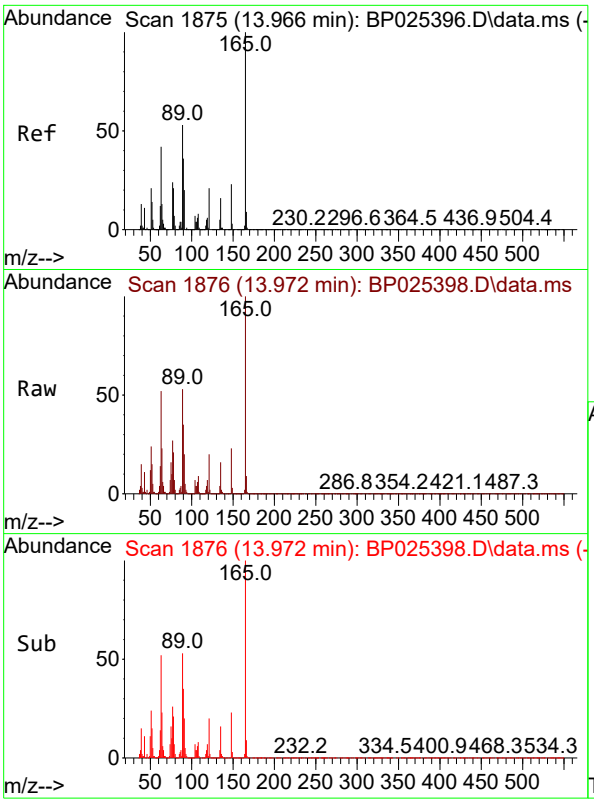


#50
Dimethylphthalate
Concen: 60.572 ng
RT: 13.866 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:163 Resp: 2042324

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.3	7.9	11.9



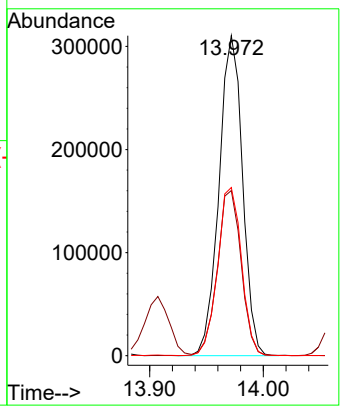


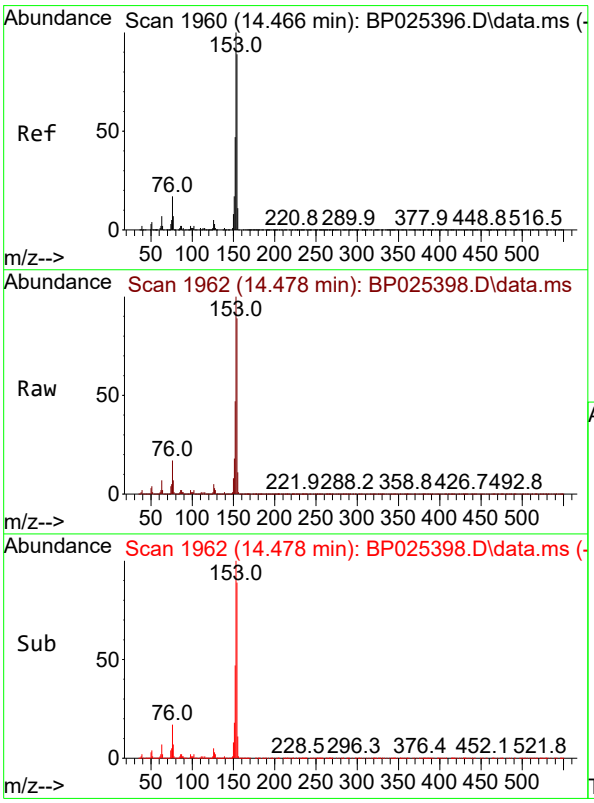
#51
2,6-Dinitrotoluene
Concen: 62.831 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 446520

Ion	Ratio	Lower	Upper
165	100		
63	51.6	40.9	61.3
89	52.5	42.1	63.1

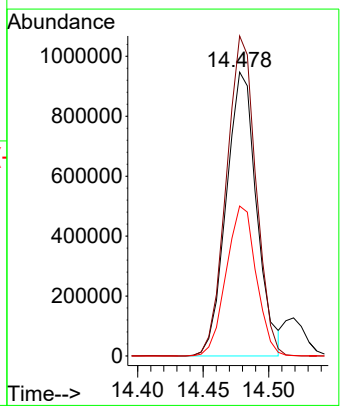


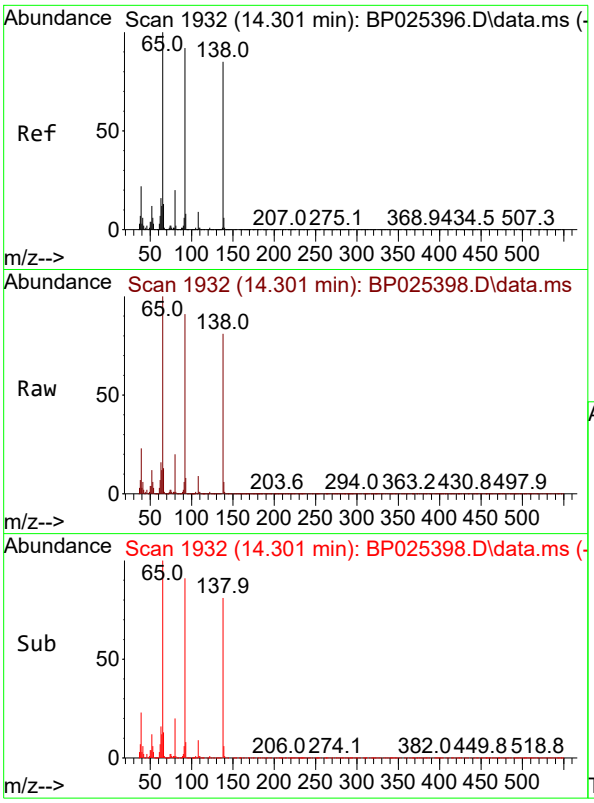


#52
Acenaphthene
Concen: 60.399 ng
RT: 14.478 min Scan# 1962
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:154 Resp: 1527191

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.2	135.2
152	52.8	42.1	63.1



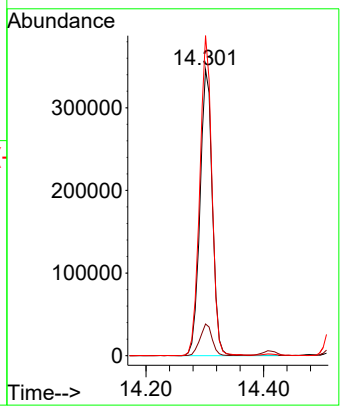


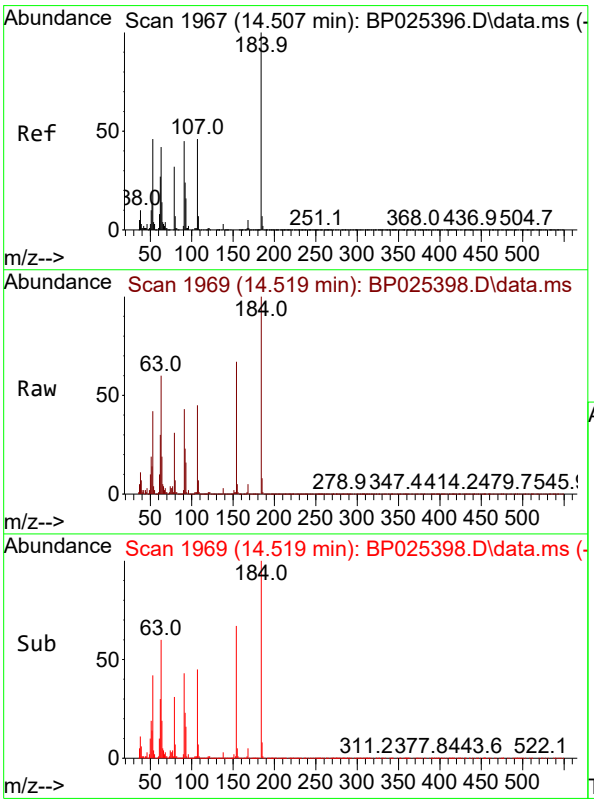
#53
3-Nitroaniline
Concen: 63.331 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 506373

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	111.9	86.2	129.2

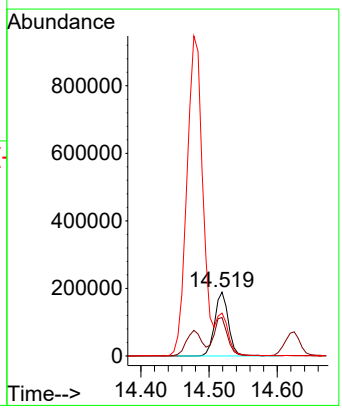


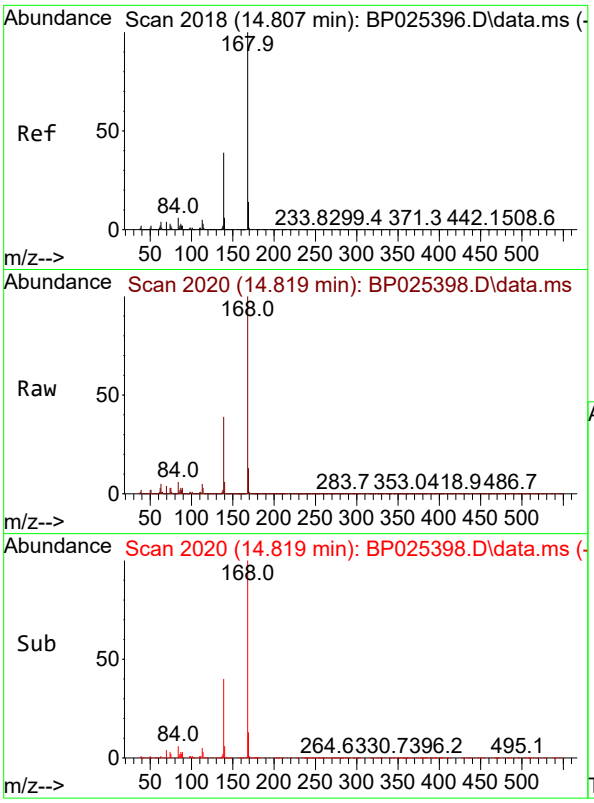


#54
2,4-Dinitrophenol
Concen: 69.849 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:184 Resp: 265089

Ion	Ratio	Lower	Upper
184	100		
63	60.1	49.4	74.2
154	67.3	54.6	82.0



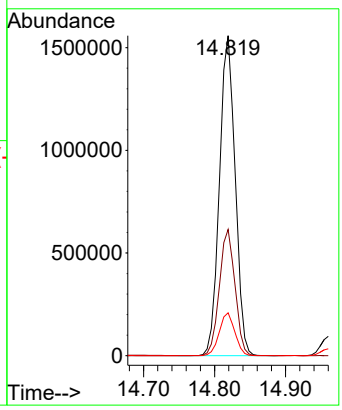


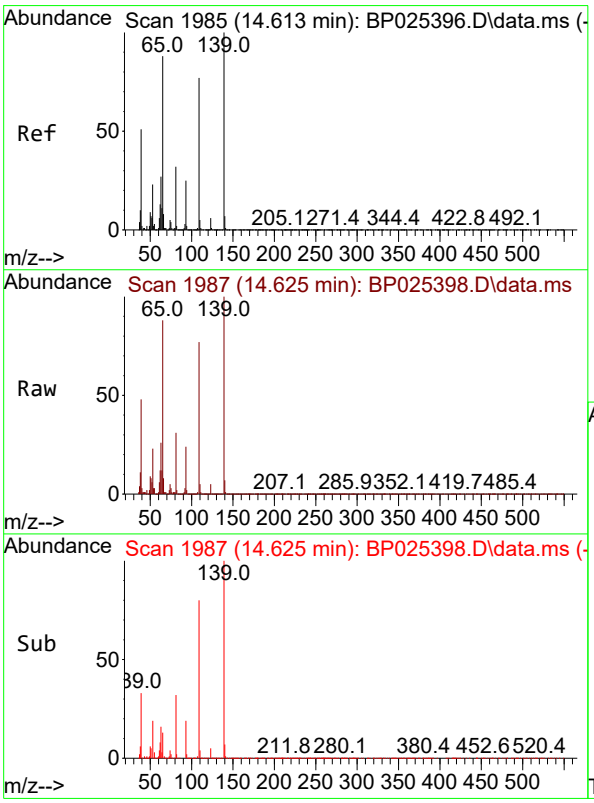
#55
Dibenzofuran
Concen: 59.734 ng
RT: 14.819 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 2387933

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.5	47.3
169	13.4	10.9	16.3

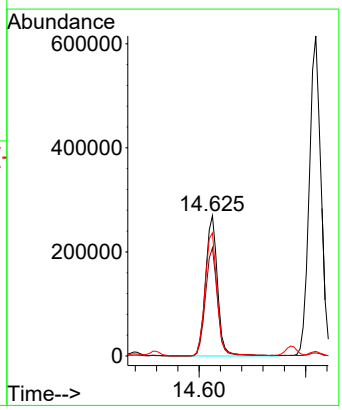


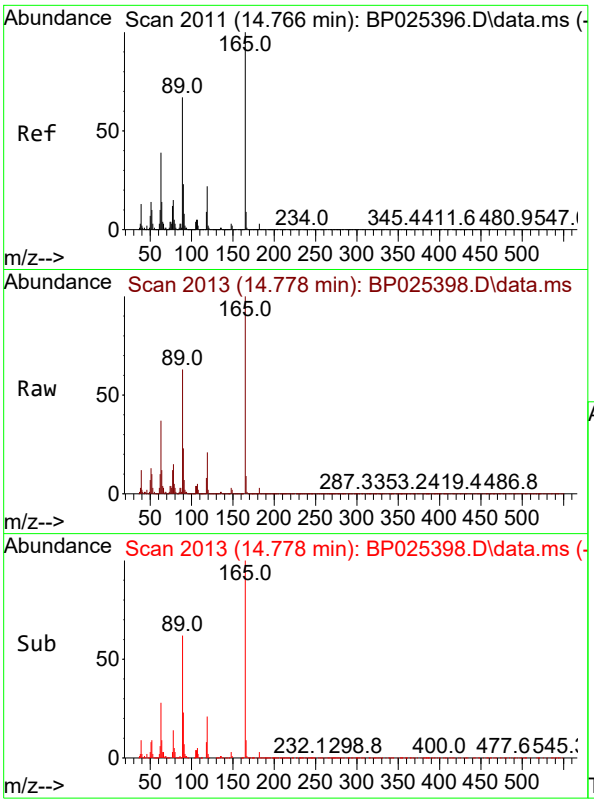


#56
4-Nitrophenol
Concen: 63.893 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:139 Resp: 419801

Ion	Ratio	Lower	Upper
139	100		
109	77.0	56.6	96.6
65	87.6	68.2	108.2



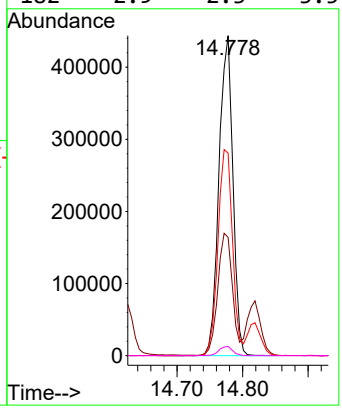


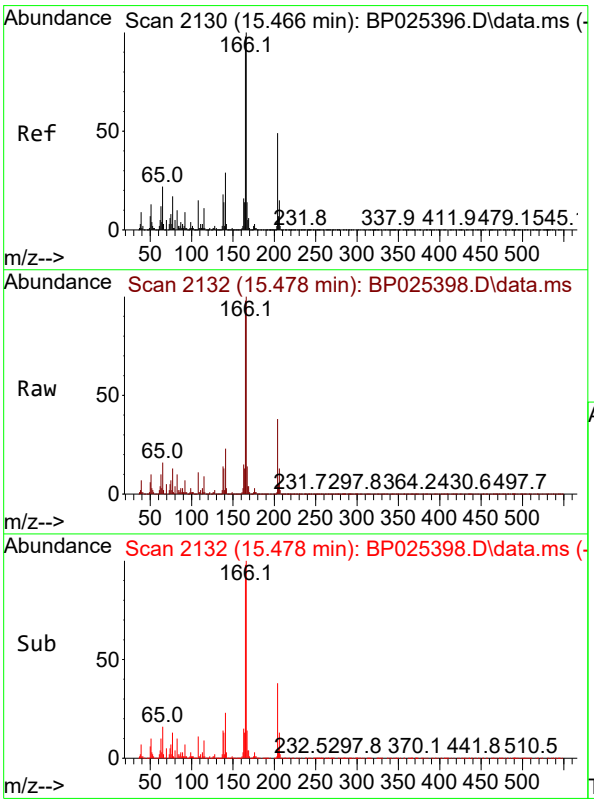
#57
2,4-Dinitrotoluene
Concen: 64.112 ng
RT: 14.778 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 650054

Ion	Ratio	Lower	Upper
165	100		
63	37.0	31.4	47.2
89	63.3	53.3	79.9
182	2.9	2.3	3.5

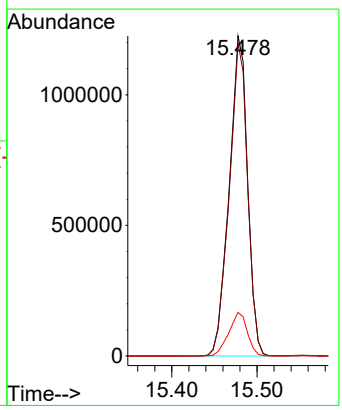


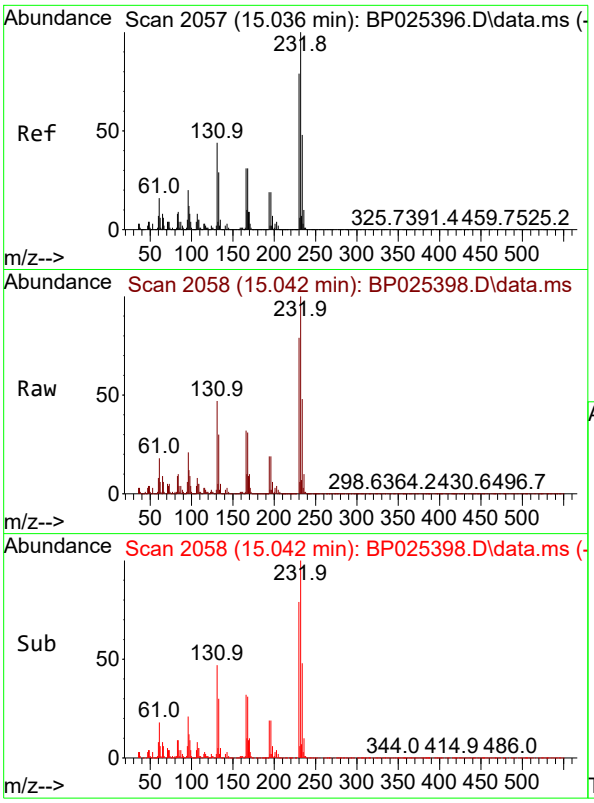


#58
Fluorene
Concen: 58.236 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:166 Resp: 1836972

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.8	118.2
167	13.6	11.0	16.4



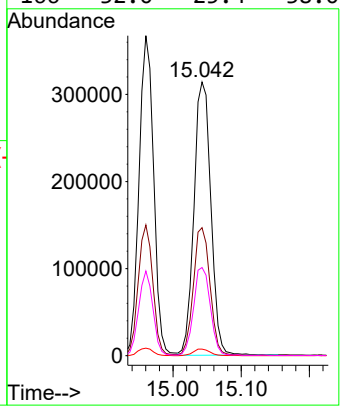


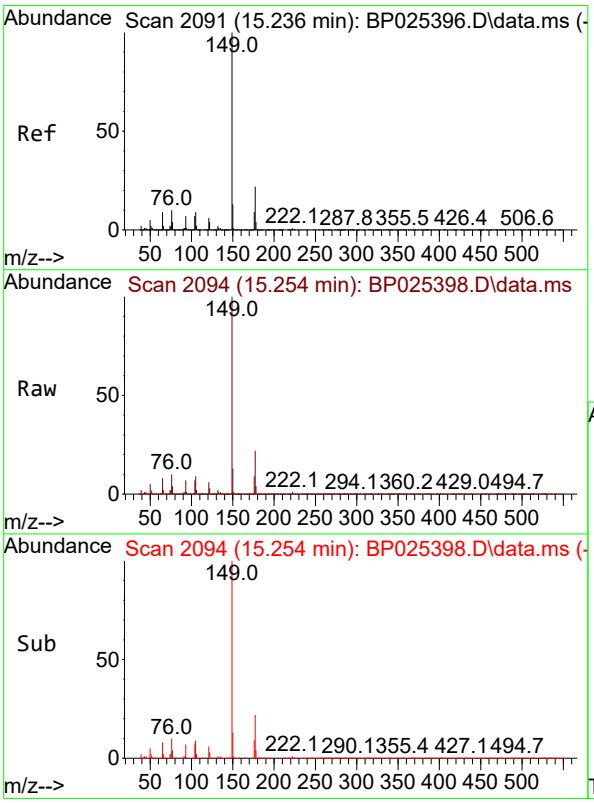
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.307 ng
RT: 15.042 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 541317

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.0	55.6
130	2.4	1.9	2.9
166	32.0	25.4	38.0

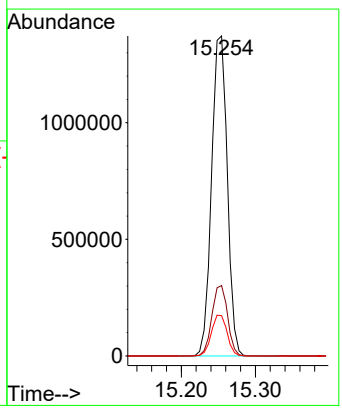


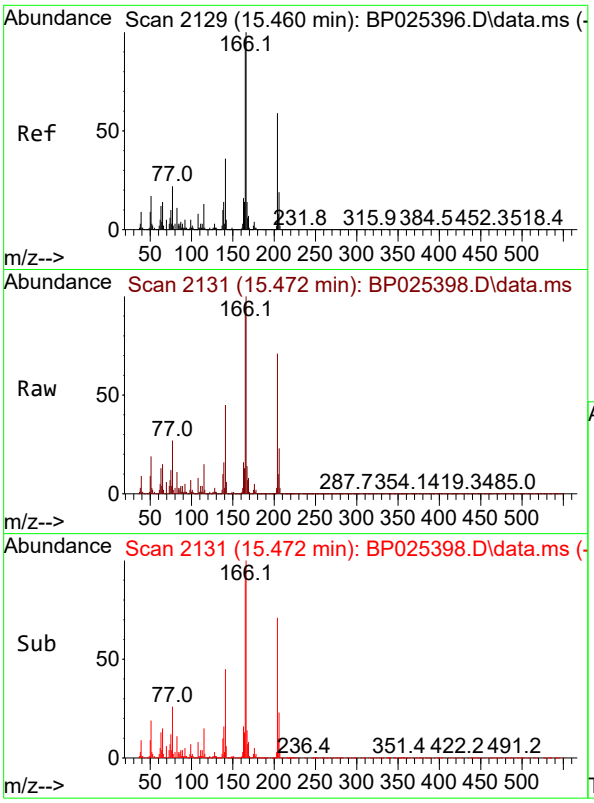


#60
Diethylphthalate
Concen: 58.840 ng
RT: 15.254 min Scan# 2094
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:149 Resp: 2015888

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.3	25.9
150	12.6	10.3	15.5



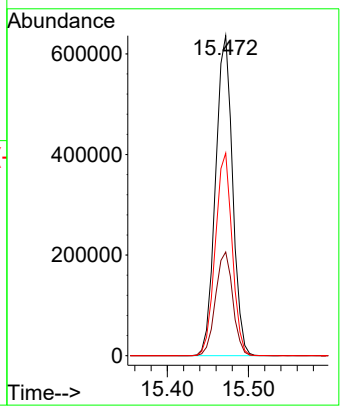


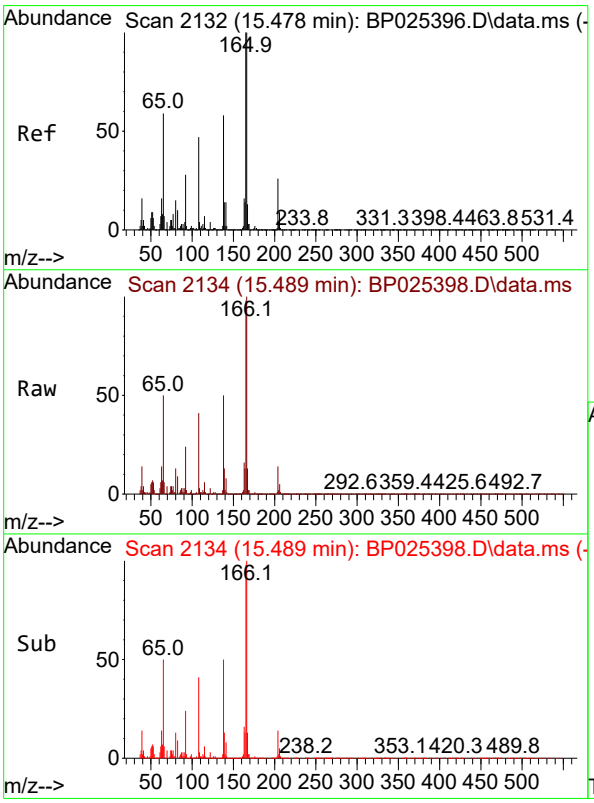
#61
4-Chlorophenyl-phenylether
Concen: 59.044 ng
RT: 15.472 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 926280

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	63.3	49.4	74.2

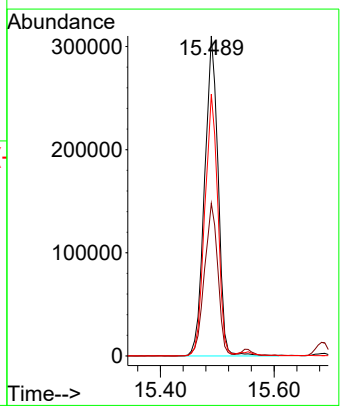


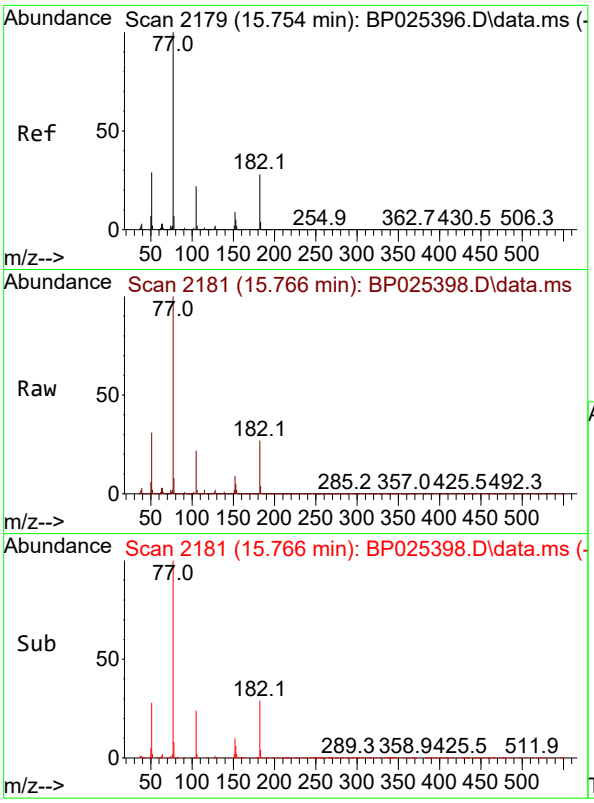


#62
4-Nitroaniline
Concen: 62.272 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:138 Resp: 510438

Ion	Ratio	Lower	Upper
138	100		
92	47.7	29.1	69.1
108	81.8	61.5	101.5



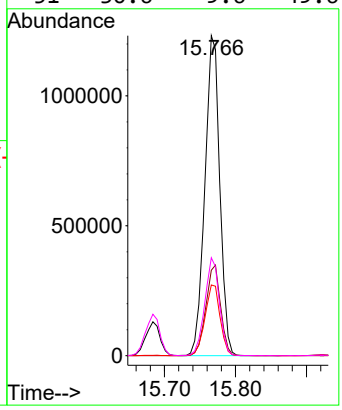


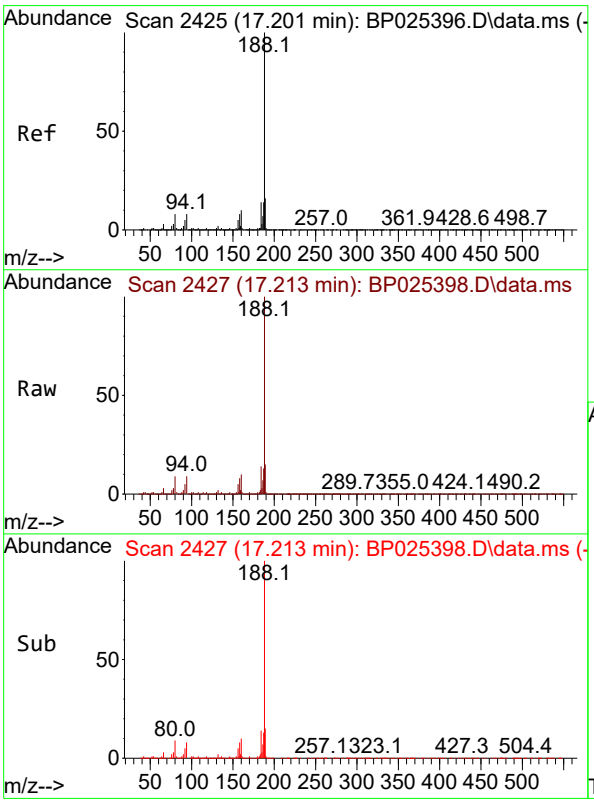
#63
Azobenzene
Concen: 61.242 ng
RT: 15.766 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1796580

Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.5	47.5
105	22.1	2.1	42.1
51	30.6	9.6	49.6

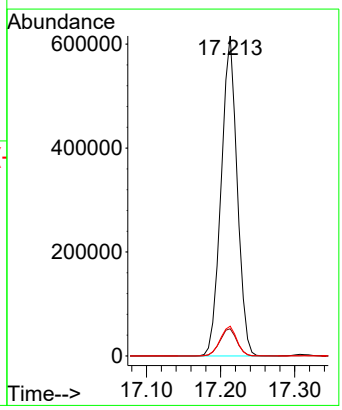


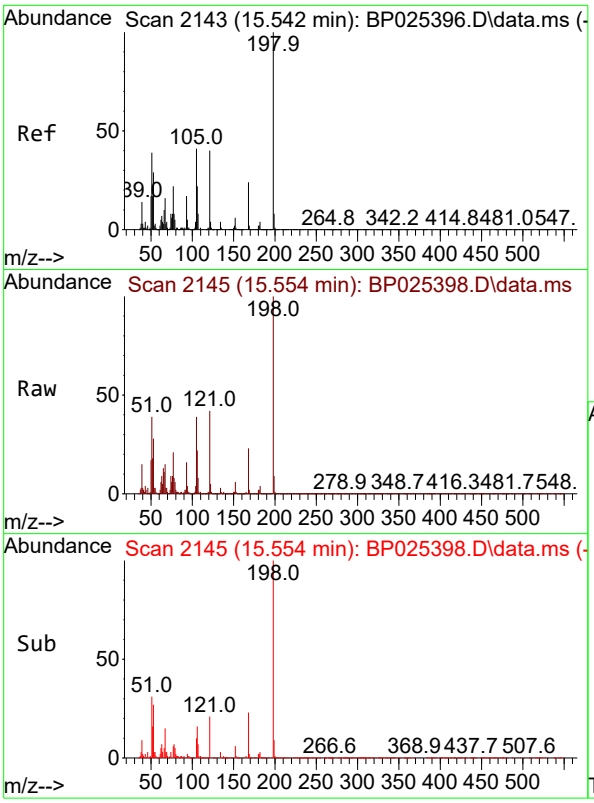


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:188 Resp: 923402

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	6.7	10.1



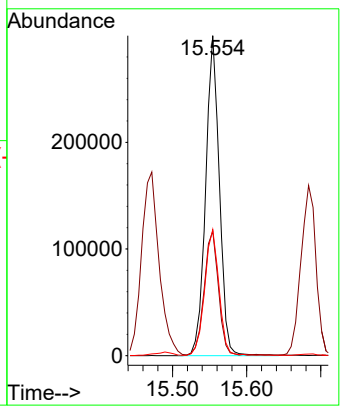


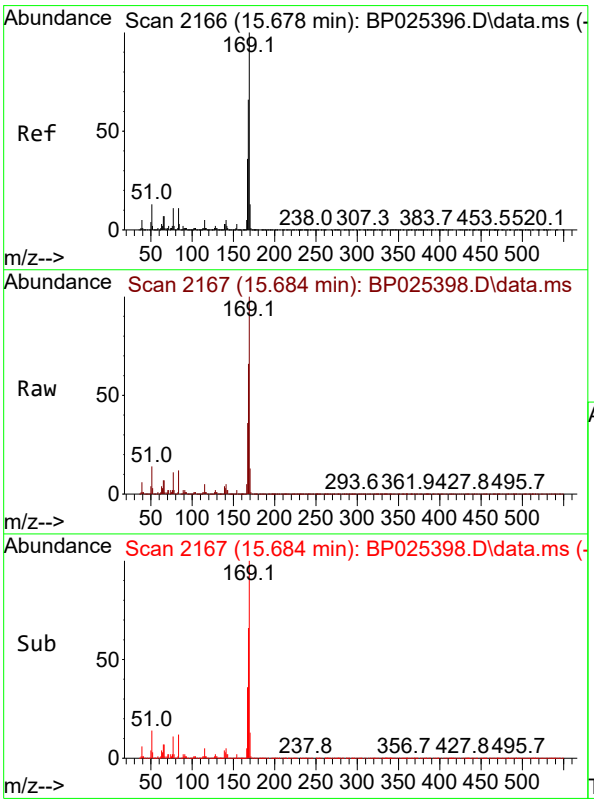
#65
4,6-Dinitro-2-methylphenol
Concen: 67.038 ng
RT: 15.554 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 385873

Ion	Ratio	Lower	Upper
198	100		
51	38.9	19.6	59.6
105	39.4	20.9	60.9

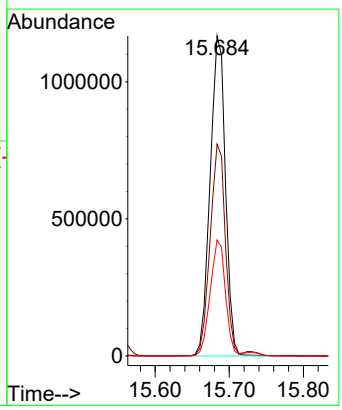


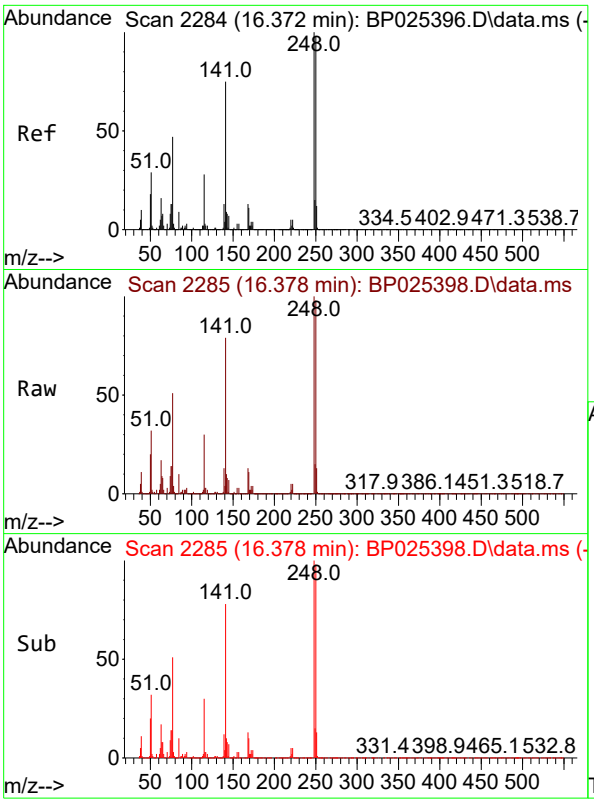


#66
n-Nitrosodiphenylamine
Concen: 59.478 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:169 Resp: 1674806

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.2	79.8
167	36.3	28.7	43.1



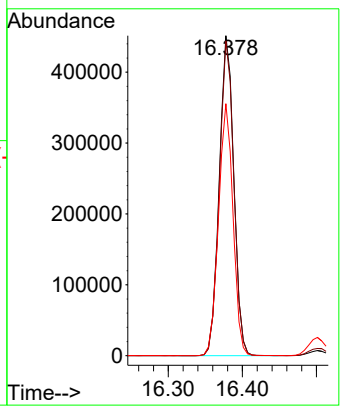


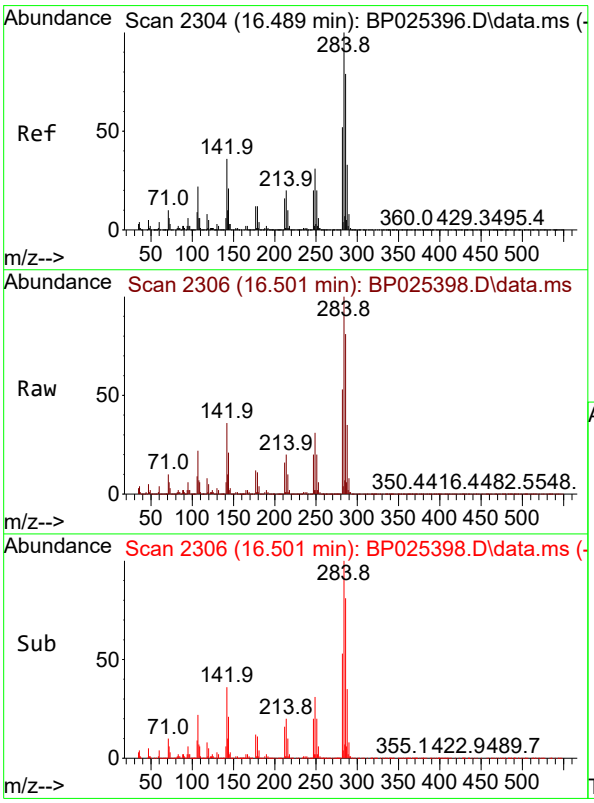
#67
4-Bromophenyl-phenylether
Concen: 60.731 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 616767

Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.2	117.2
141	78.7	59.6	89.4

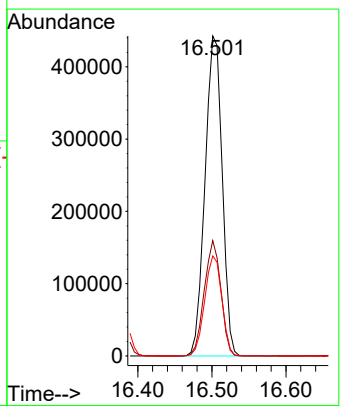


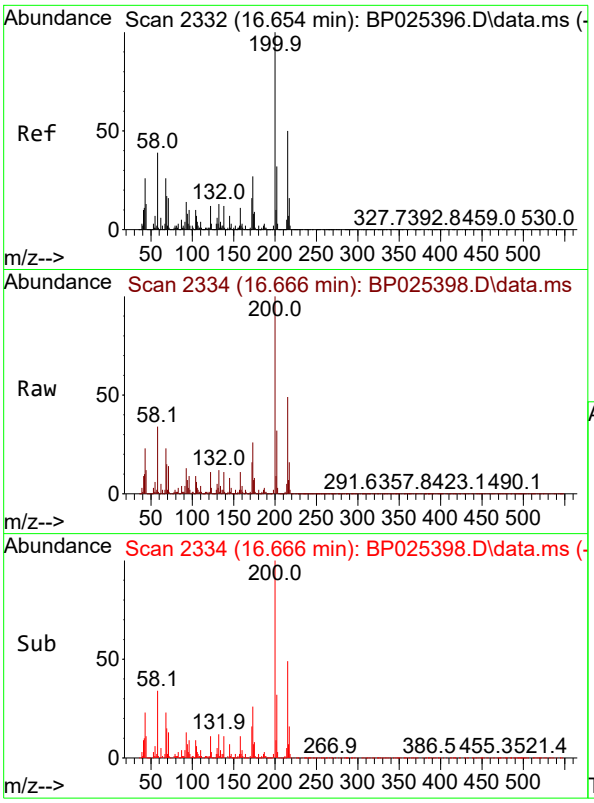


#68
Hexachlorobenzene
Concen: 60.461 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:284 Resp: 711778

Ion	Ratio	Lower	Upper
284	100		
142	36.1	29.1	43.7
249	31.3	25.0	37.4



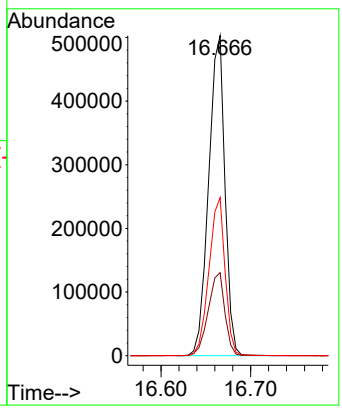


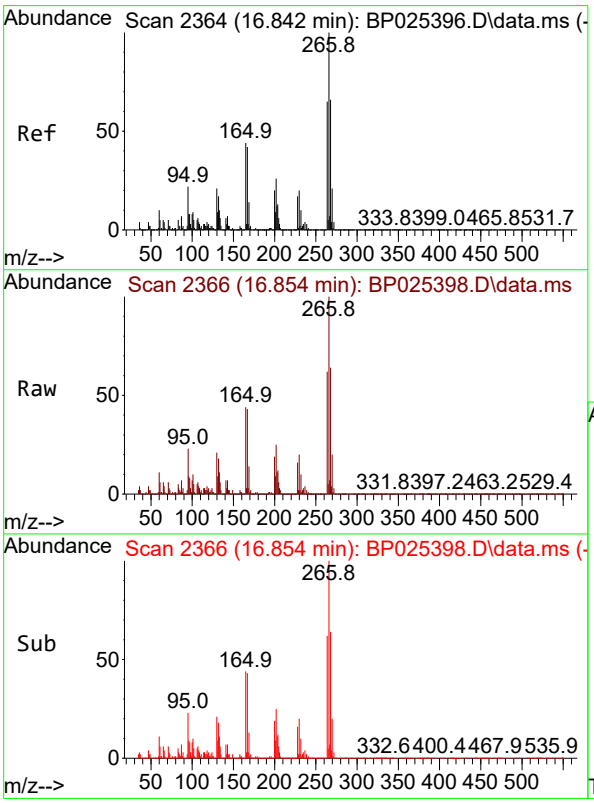
#69
Atrazine
Concen: 60.063 ng
RT: 16.666 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 633381

Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.7	46.7
215	49.4	29.7	69.7

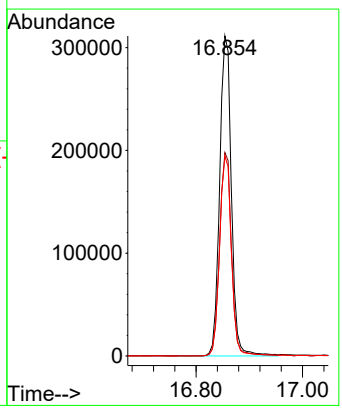


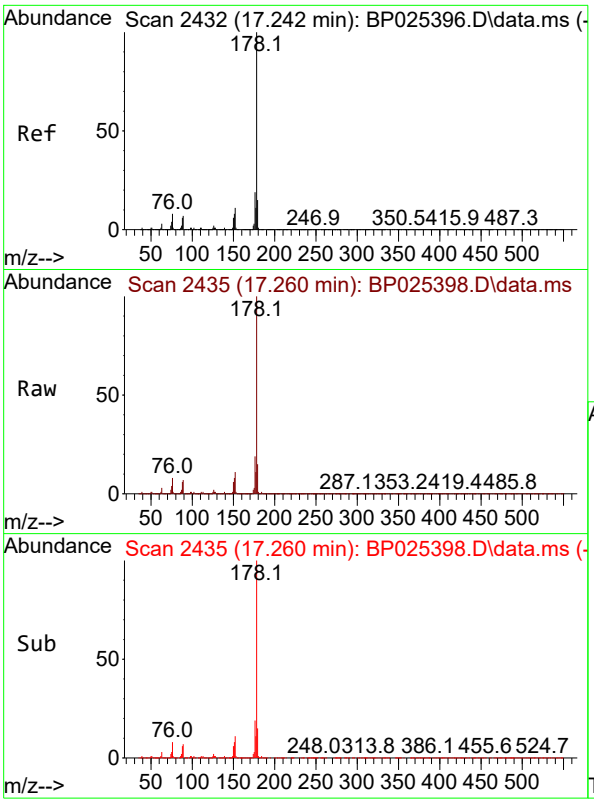


#70
Pentachlorophenol
Concen: 63.820 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:266 Resp: 474276

Ion	Ratio	Lower	Upper
266	100		
268	63.5	52.6	79.0
264	62.4	52.0	78.0



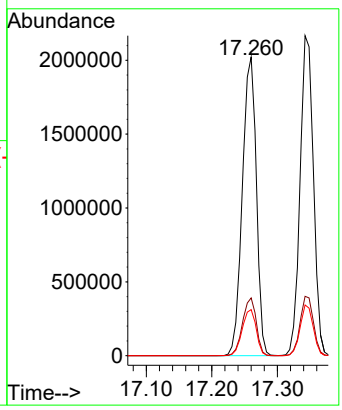


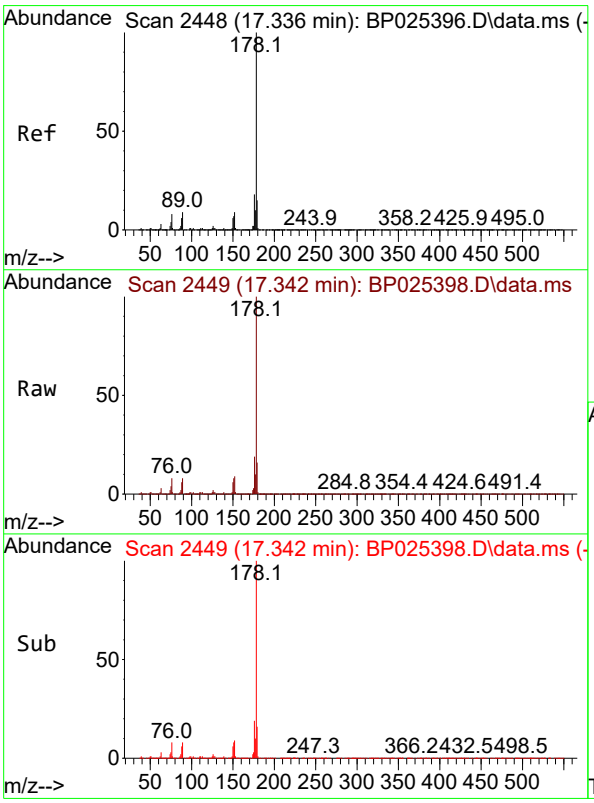
#71
Phenanthrene
Concen: 59.263 ng
RT: 17.260 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 3006132

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.4	12.2	18.4

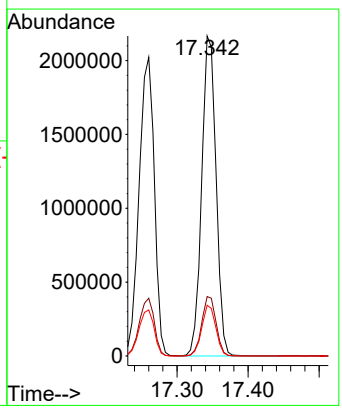


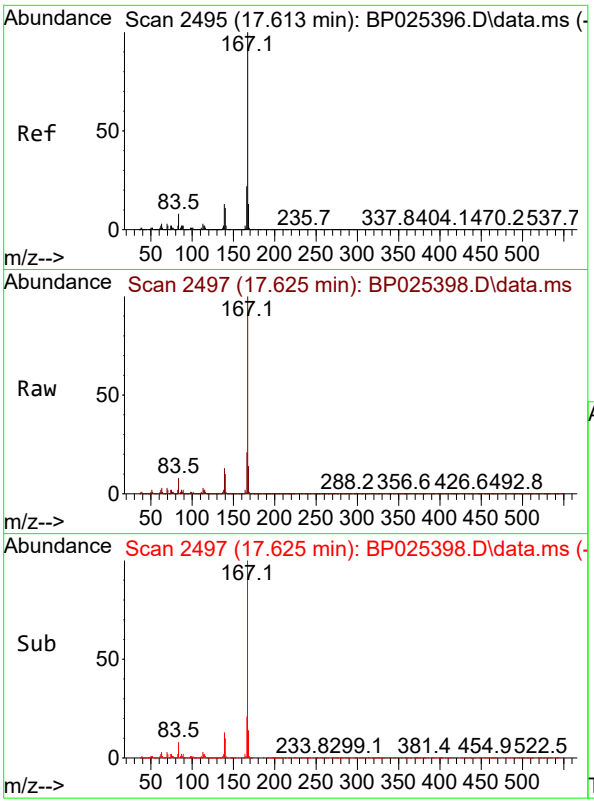


#72
Anthracene
Concen: 58.895 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:178 Resp: 3050794

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.9	12.2	18.2



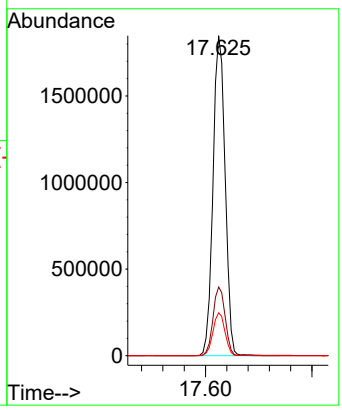


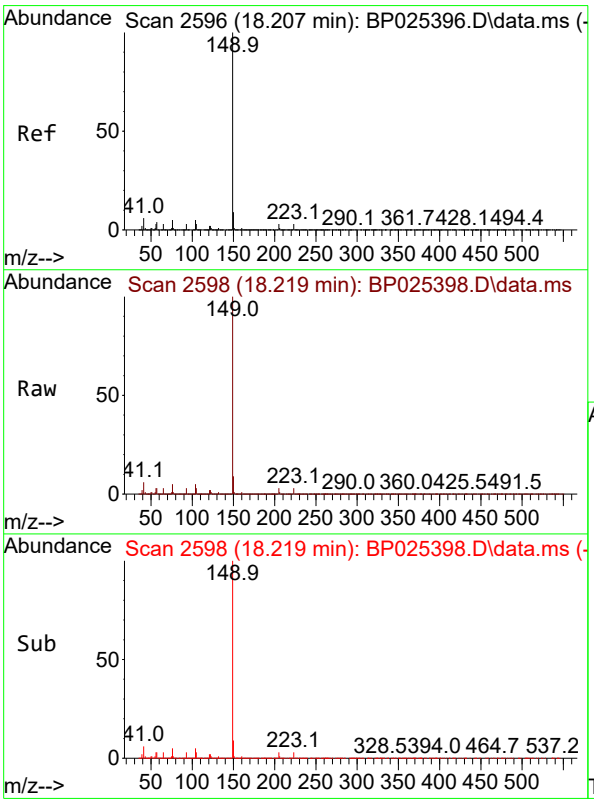
#73
Carbazole
Concen: 59.776 ng
RT: 17.625 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 2916606

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.4	10.6	16.0

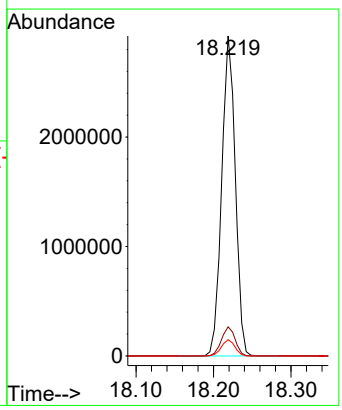


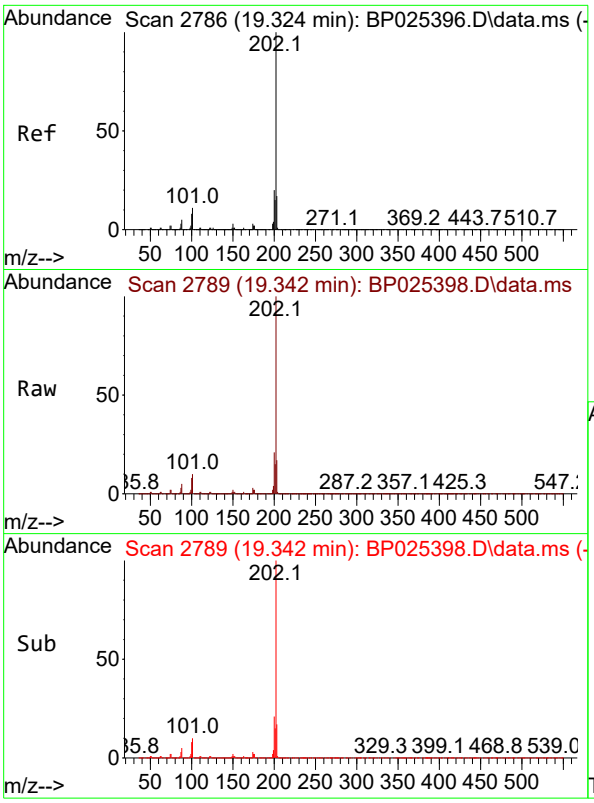


#74
Di-n-butylphthalate
Concen: 59.310 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:149 Resp: 3560427

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.1	4.2	6.2



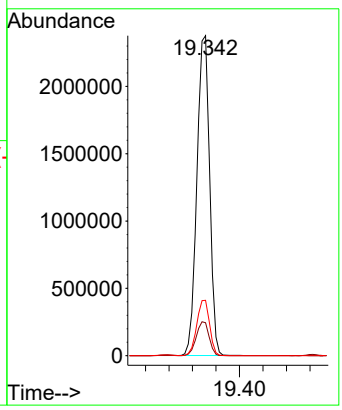


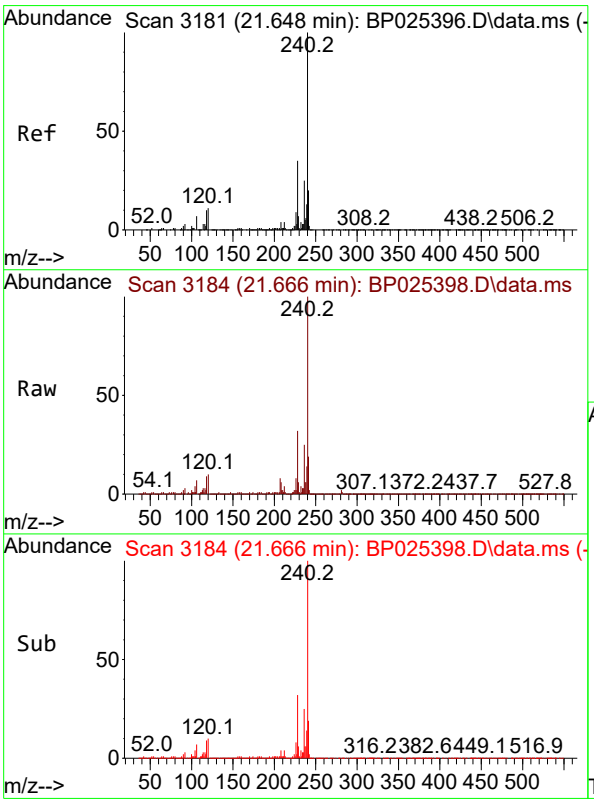
#75
Fluoranthene
Concen: 58.899 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 3563798

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.1
203	17.3	0.0	37.3

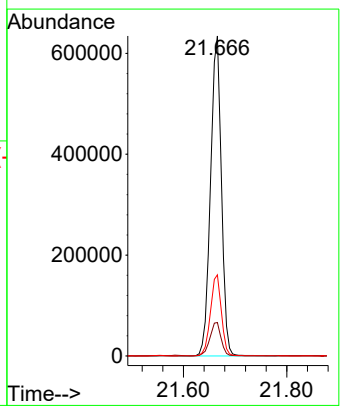


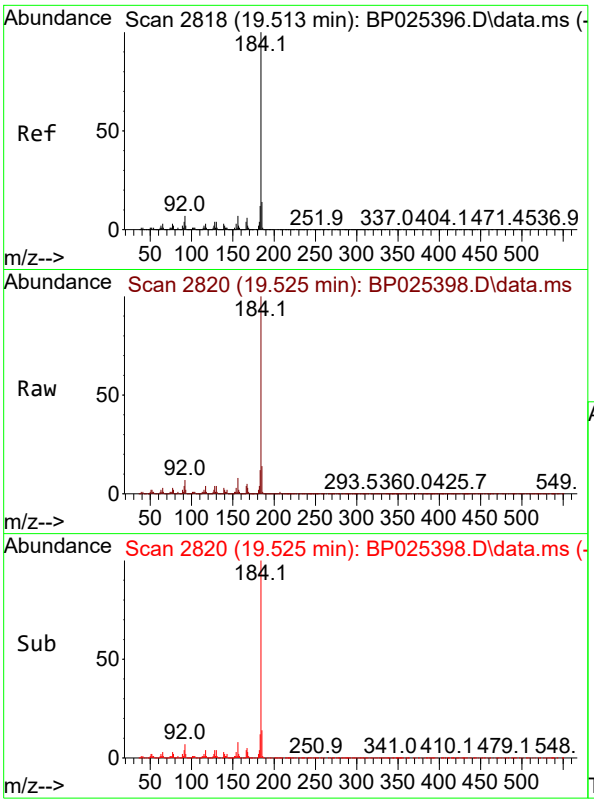


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:240 Resp: 926019

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.3	19.8	29.8



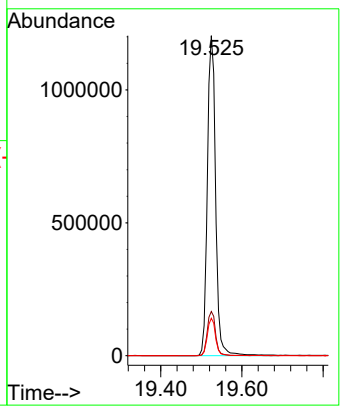


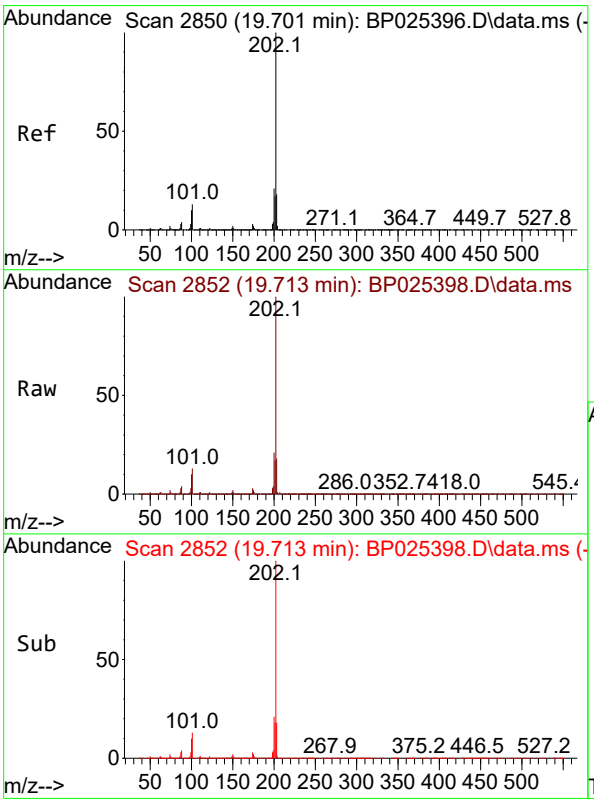
#77
Benzidine
Concen: 53.489 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 1690432

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	11.7	9.4	14.2

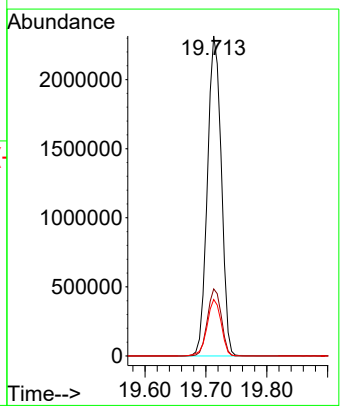


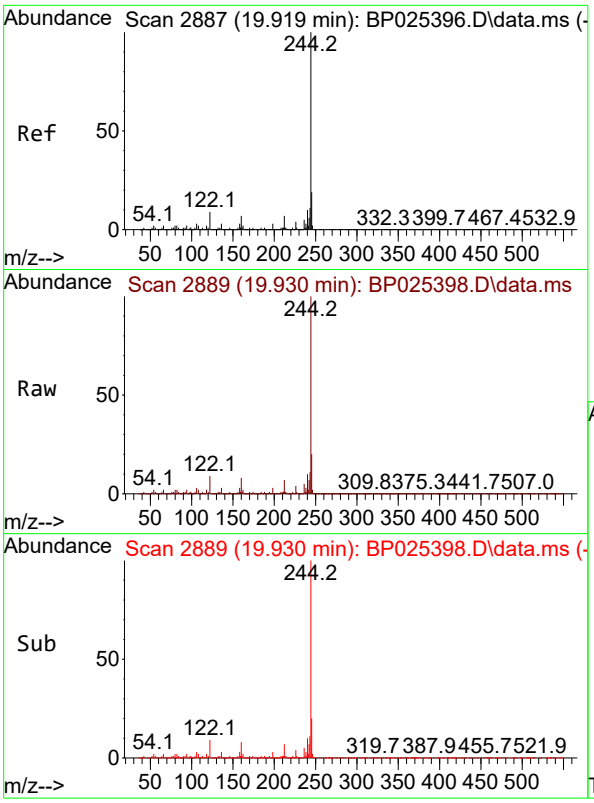


#78
Pyrene
Concen: 60.883 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:202 Resp: 3664453

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.7	14.2	21.2



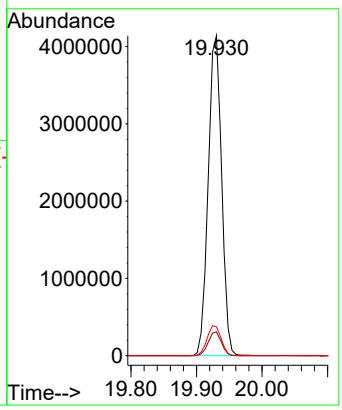


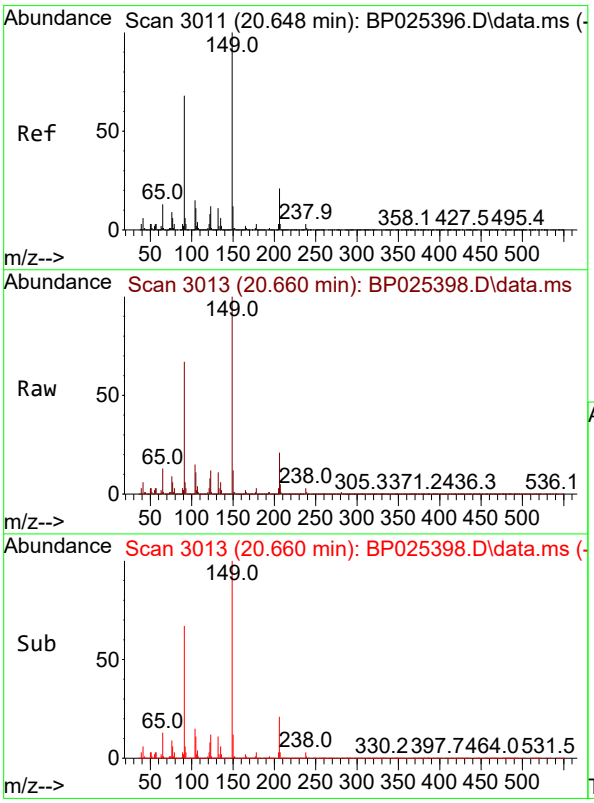
#79
Terphenyl-d14
Concen: 116.490 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 5896004

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.0	7.4	11.2

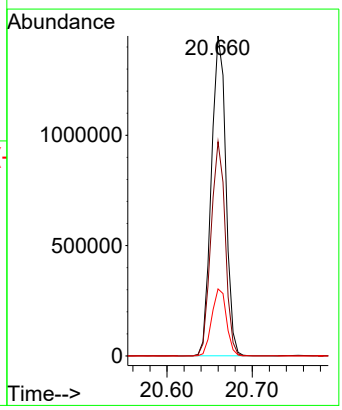


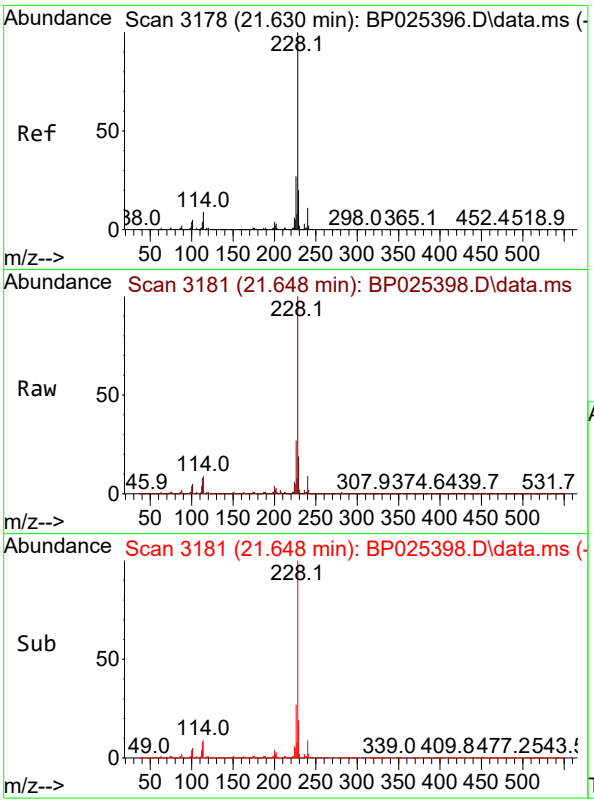


#80
Butylbenzylphthalate
Concen: 62.697 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:149 Resp: 1710246

Ion	Ratio	Lower	Upper
149	100		
91	66.9	54.2	81.2
206	20.9	16.6	24.8



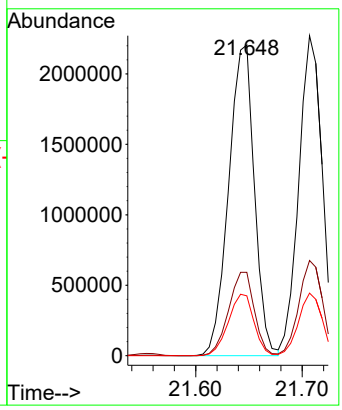


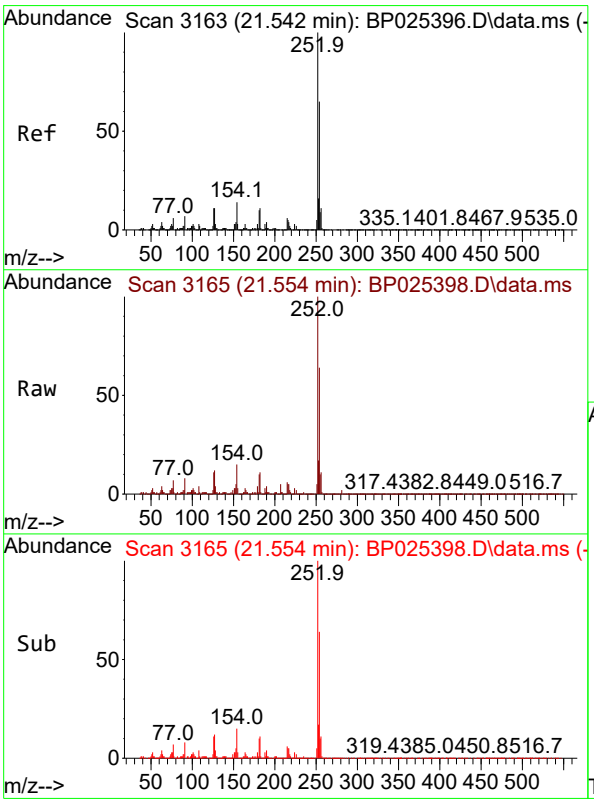
#81
Benzo(a)anthracene
Concen: 60.619 ng
RT: 21.648 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 3702064

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.2	15.6	23.4

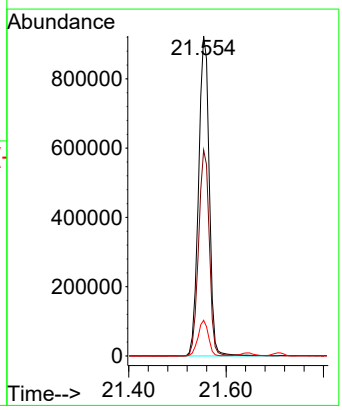


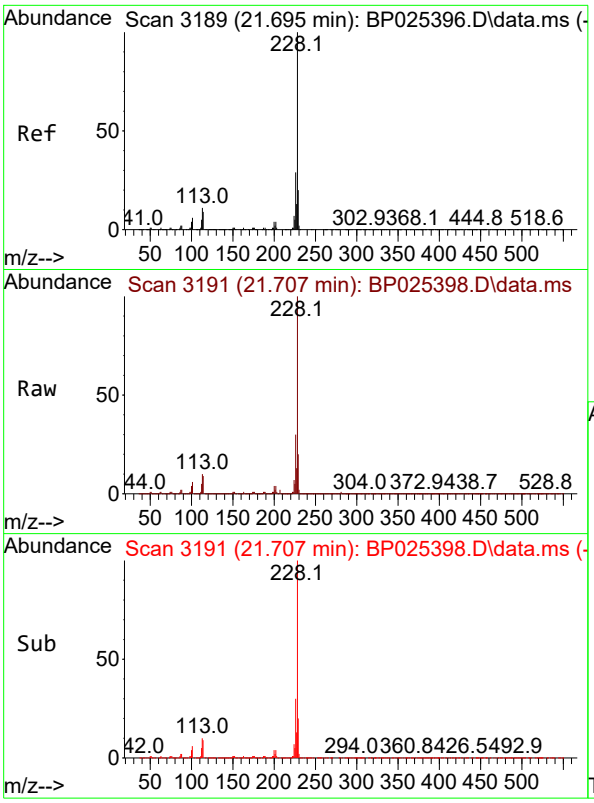


#82
3,3'-Dichlorobenzidine
Concen: 61.062 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:252 Resp: 1405597

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.8	77.6
126	11.2	9.1	13.7



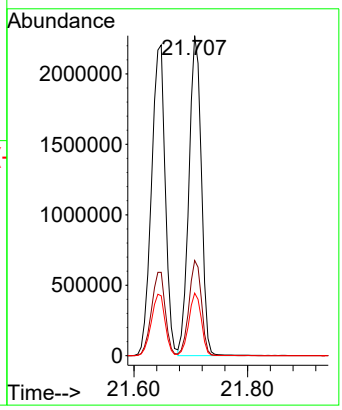


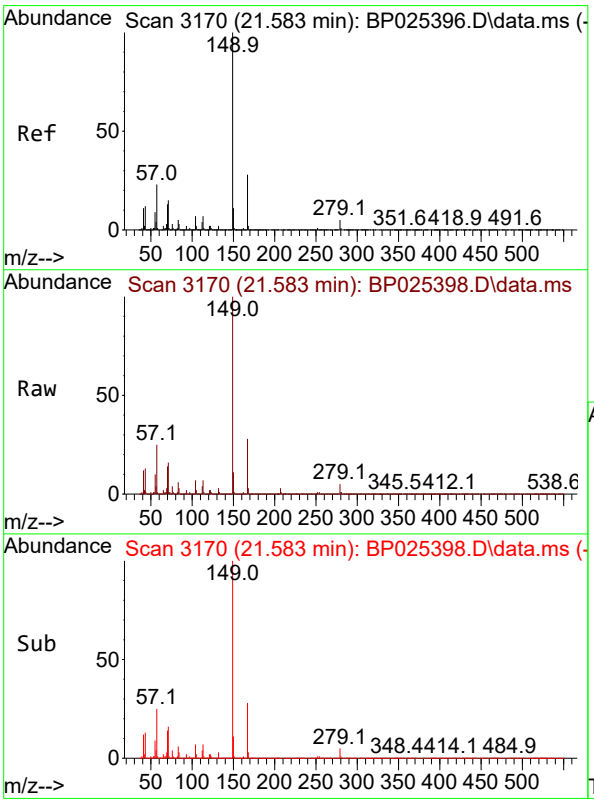
#83
Chrysene
Concen: 60.387 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 3453736

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	19.6	15.6	23.4

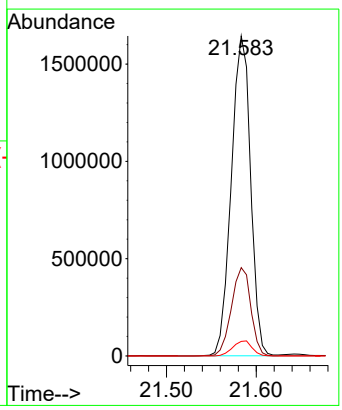


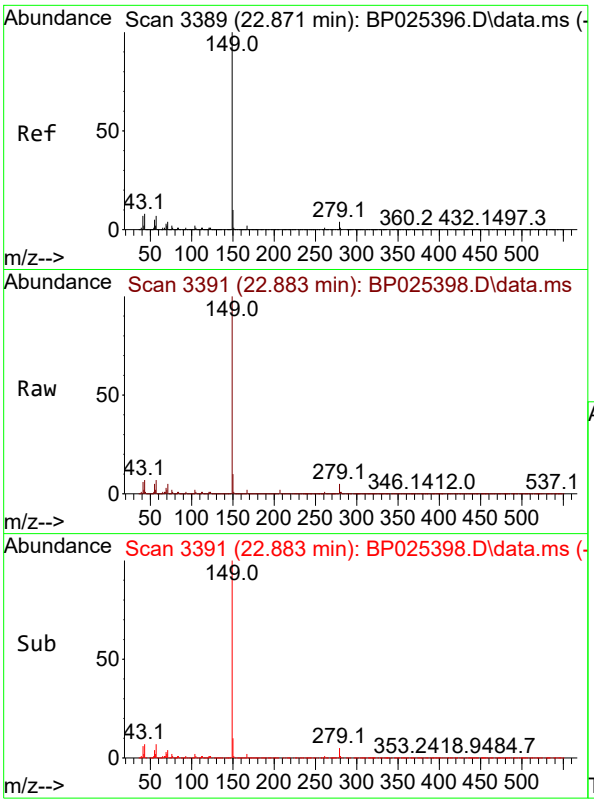


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.038 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:149 Resp: 2450963

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.6	3.8	5.6



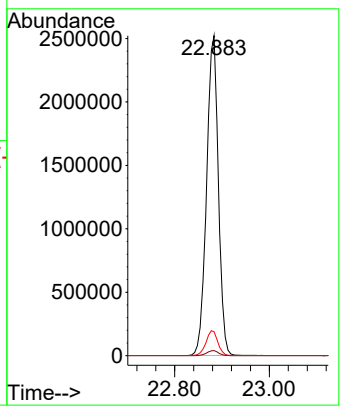


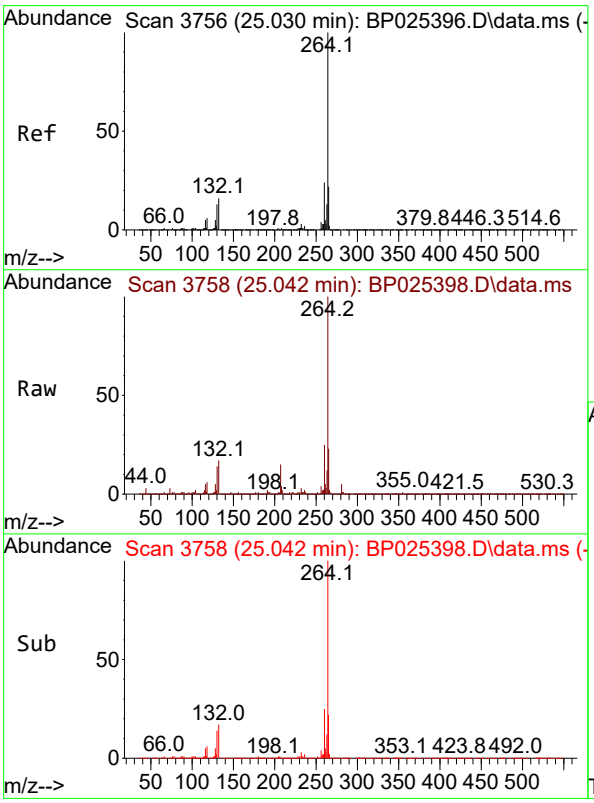
#85
Di-n-octyl phthalate
Concen: 62.869 ng
RT: 22.883 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 4342211

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.8	6.3	9.5

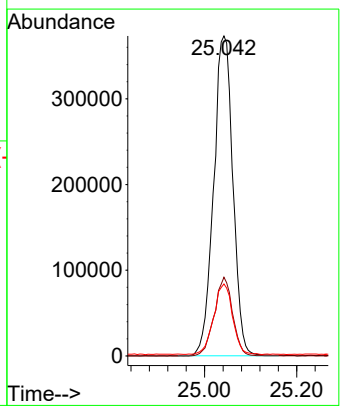


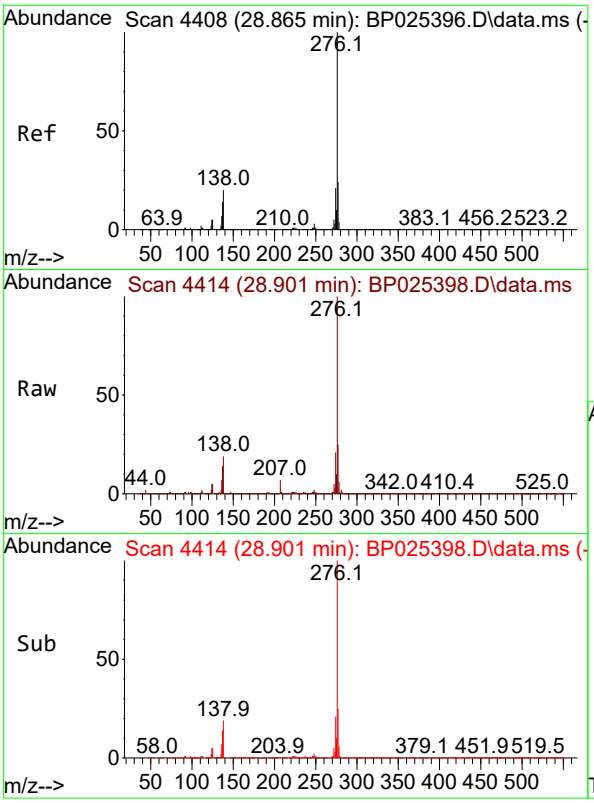


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.042 min Scan# 3758
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:264 Resp: 1081163

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	22.5	17.4	26.0



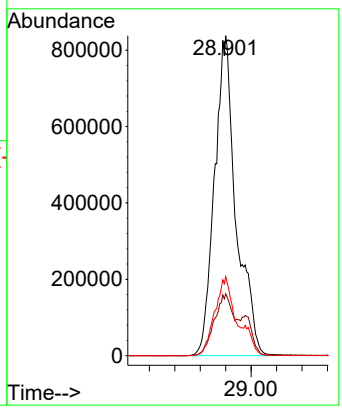


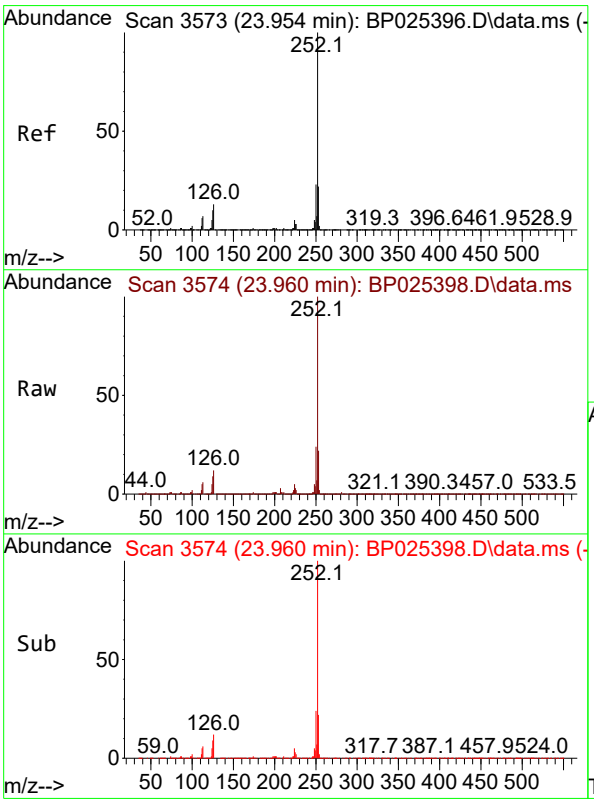
#87
Indeno(1,2,3-cd)pyrene
Concen: 62.248 ng
RT: 28.901 min Scan# 44
Delta R.T. 0.035 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 4937235

Ion	Ratio	Lower	Upper
276	100		
138	18.5	12.9	19.3
277	22.4	17.0	25.6

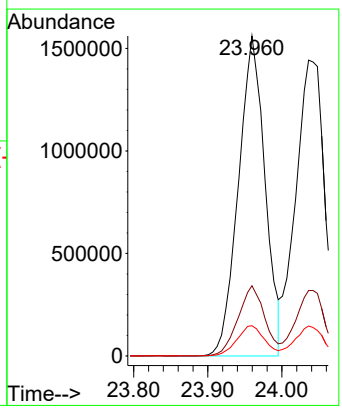


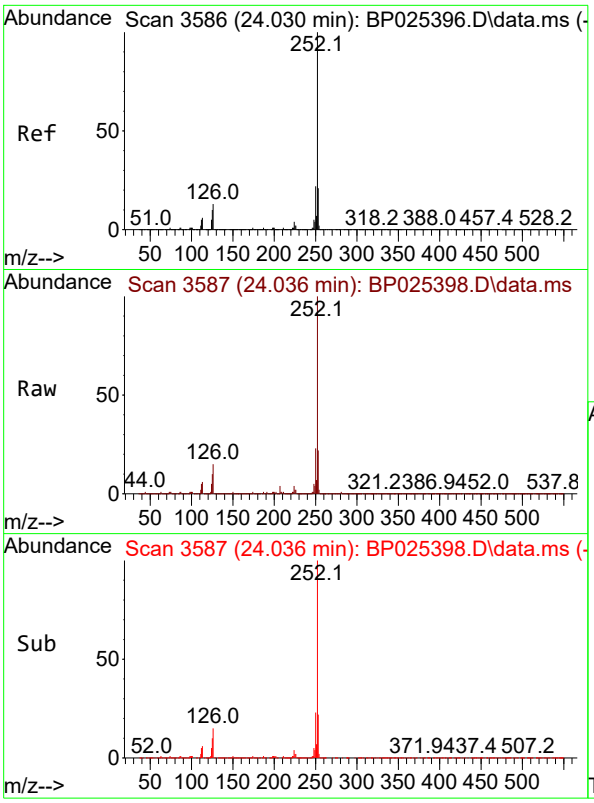


#88
Benzo(b)fluoranthene
Concen: 60.914 ng
RT: 23.960 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:252 Resp: 3883465

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.4	7.9	11.9



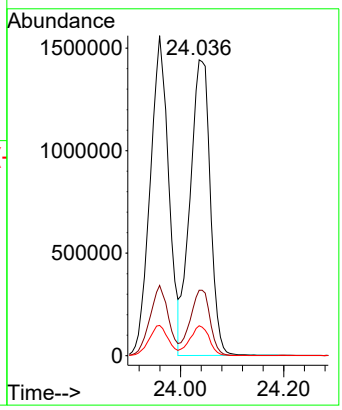


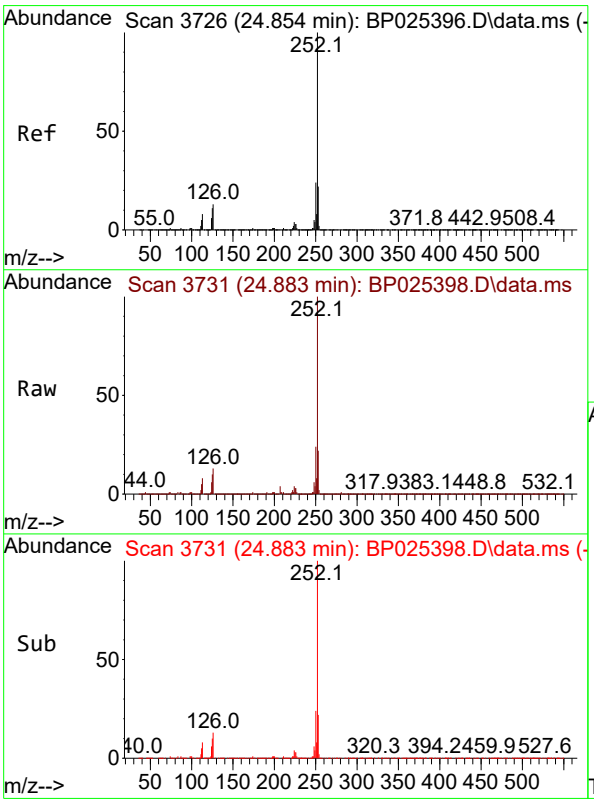
#89
Benzo(k)fluoranthene
Concen: 61.334 ng
RT: 24.036 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 3912900

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	10.1	7.8	11.6

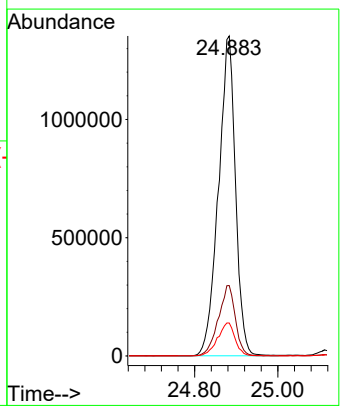


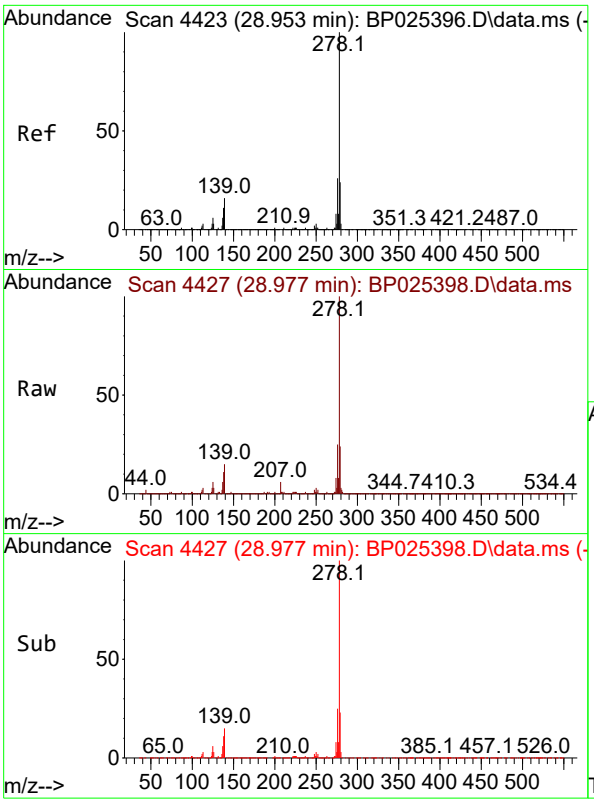


#90
Benzo(a)pyrene
Concen: 61.959 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.030 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:252 Resp: 3845093

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.3	8.7	13.1



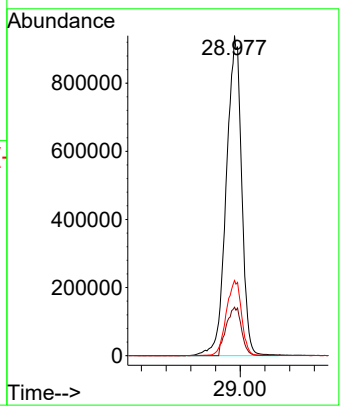


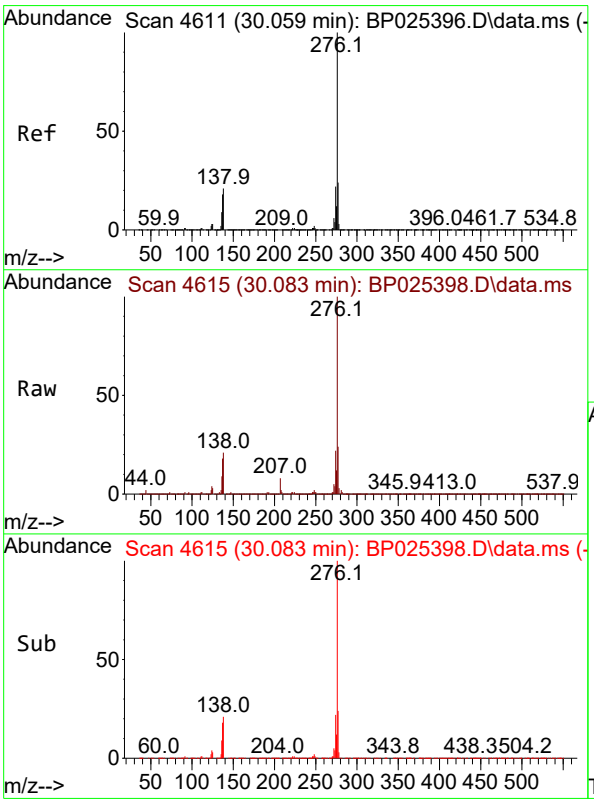
#91
Dibenzo(a,h)anthracene
Concen: 62.280 ng
RT: 28.977 min Scan# 44
Delta R.T. 0.024 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 4035414

Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.0	19.4
279	23.5	19.4	29.2

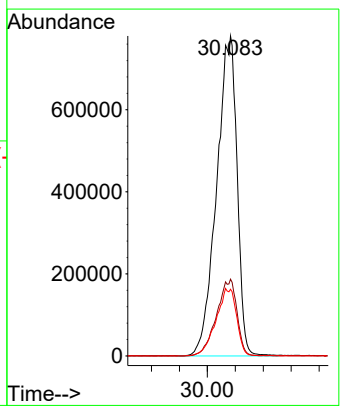




#92
Benzo(g,h,i)perylene
Concen: 62.159 ng
RT: 30.083 min Scan# 4615
Delta R.T. 0.024 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:276 Resp: 3958545

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	20.8	16.7	25.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	159148	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	673018	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	436046	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	856946	20.000	ng	# 0.00
76) Chrysene-d12	21.660	240	888879	20.000	ng	0.01
86) Perylene-d12	25.030	264	1037707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1526166	159.254	ng	0.00
7) Phenol-d6	6.972	99	1989633	161.937	ng	0.00
23) Nitrobenzene-d5	8.937	82	2123522	159.609	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	936489	159.559	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	4712591	147.705	ng	0.00
79) Terphenyl-d14	19.930	244	7103816	146.217	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	291527	77.664	ng	99
3) Pyridine	3.731	79	807269	78.572	ng	97
4) n-Nitrosodimethylamine	3.637	42	344349	81.296	ng	99
6) Aniline	7.131	93	1333221	80.538	ng	100
8) 2-Chlorophenol	7.372	128	877073	81.104	ng	99
9) Benzaldehyde	6.943	77	582344	67.651	ng	98
10) Phenol	7.002	94	1040534	80.710	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	798672	79.481	ng	99
12) 1,3-Dichlorobenzene	7.684	146	950596	79.718	ng	98
13) 1,4-Dichlorobenzene	7.825	146	961421	78.882	ng	99
14) 1,2-Dichlorobenzene	8.143	146	922658	78.203	ng	99
15) Benzyl Alcohol	8.031	79	795618	81.498	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	1059824	78.732	ng	99
17) 2-Methylphenol	8.225	107	734482	82.028	ng	100
18) Hexachloroethane	8.866	117	355791	79.395	ng	94
19) n-Nitroso-di-n-propyla...	8.596	70	636387	78.102	ng	99
20) 3+4-Methylphenols	8.555	107	1005632	81.023	ng	97
22) Acetophenone	8.607	105	1314548	77.886	ng	99
24) Nitrobenzene	8.978	77	947511	79.686	ng	99
25) Isophorone	9.507	82	1829675	77.708	ng	99
26) 2-Nitrophenol	9.678	139	511806	83.872	ng	99
27) 2,4-Dimethylphenol	9.743	122	842467	80.280	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	1103640	77.542	ng	99
29) 2,4-Dichlorophenol	10.213	162	844787	81.037	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	892771	78.123	ng	98
31) Naphthalene	10.613	128	2722703	77.835	ng	99
32) Benzoic acid	9.901	122	686791	88.861	ng	99
33) 4-Chloroaniline	10.713	127	1232431	79.761	ng	100
34) Hexachlorobutadiene	10.901	225	557922	78.393	ng	99
35) Caprolactam	11.519	113	302874	79.233	ng	95
36) 4-Chloro-3-methylphenol	11.843	107	949779	79.399	ng	99
37) 2-Methylnaphthalene	12.213	142	1761325	77.372	ng	99
38) 1-Methylnaphthalene	12.437	142	1844376	76.186	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	995064	79.014	ng	100
41) Hexachlorocyclopentadiene	12.572	237	668771	87.916	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	706484	83.096	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	762861	81.870	ng	99
46) 1,1'-Biphenyl	13.231	154	2453536	77.476	ng	99
47) 2-Chloronaphthalene	13.272	162	1918120	77.804	ng	100
48) 2-Nitroaniline	13.472	65	594696	82.788	ng	96
49) Acenaphthylene	14.125	152	3194918	78.318	ng	100
50) Dimethylphthalate	13.860	163	2446951	76.632	ng	99
51) 2,6-Dinitrotoluene	13.972	165	542710	80.639	ng	99
52) Acenaphthene	14.472	154	1841448	76.902	ng	99
53) 3-Nitroaniline	14.301	138	618087	81.627	ng	100
54) 2,4-Dinitrophenol	14.507	184	339125	94.356	ng	100
55) Dibenzofuran	14.807	168	2915933	77.023	ng	99
56) 4-Nitrophenol	14.619	139	520294	83.618	ng	96
57) 2,4-Dinitrotoluene	14.766	165	791214	82.399	ng	99
58) Fluorene	15.466	166	2185593	73.164	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	661890	80.448	ng	100
60) Diethylphthalate	15.242	149	2494087	76.870	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	1105157	74.388	ng	97
62) 4-Nitroaniline	15.484	138	626525	80.710	ng	97
63) Azobenzene	15.760	77	2139674	77.017	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	472602	88.473	ng	93
66) n-Nitrosodiphenylamine	15.678	169	2034782	77.866	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	745915	79.144	ng	98
68) Hexachlorobenzene	16.495	284	860051	78.721	ng	97
69) Atrazine	16.654	200	783533	80.064	ng	98
70) Pentachlorophenol	16.842	266	589673	85.502	ng	98
71) Phenanthrene	17.242	178	3623454	76.972	ng	99
72) Anthracene	17.336	178	3702277	77.014	ng	99
73) Carbazole	17.607	167	3503273	77.368	ng	99
74) Di-n-butylphthalate	18.219	149	4336701	77.844	ng	100
75) Fluoranthene	19.330	202	4313301	76.815	ng	99
77) Benzidine	19.525	184	2036246	67.124	ng	99
78) Pyrene	19.707	202	4410693	76.343	ng	99
80) Butylbenzylphthalate	20.660	149	2054404	78.460	ng	97
81) Benzo(a)anthracene	21.642	228	4532763	77.322	ng	100
82) 3,3'-Dichlorobenzidine	21.554	252	1705746	77.197	ng	100
83) Chrysene	21.707	228	4218161	76.835	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	3021891	78.400	ng	100
85) Di-n-octyl phthalate	22.877	149	5302080	79.974	ng	100
87) Indeno(1,2,3-cd)pyrene	28.895	276	6168570m	81.030	ng	
88) Benzo(b)fluoranthene	23.977	252	4876398	79.692	ng	100
89) Benzo(k)fluoranthene	24.054	252	4734637	77.323	ng	99
90) Benzo(a)pyrene	24.889	252	4735685	79.505	ng	99
91) Dibenzo(a,h)anthracene	28.983	278	5046260	81.142	ng	99
92) Benzo(g,h,i)perylene	30.106	276	4949477	80.973	ng	98

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

ICAL Form

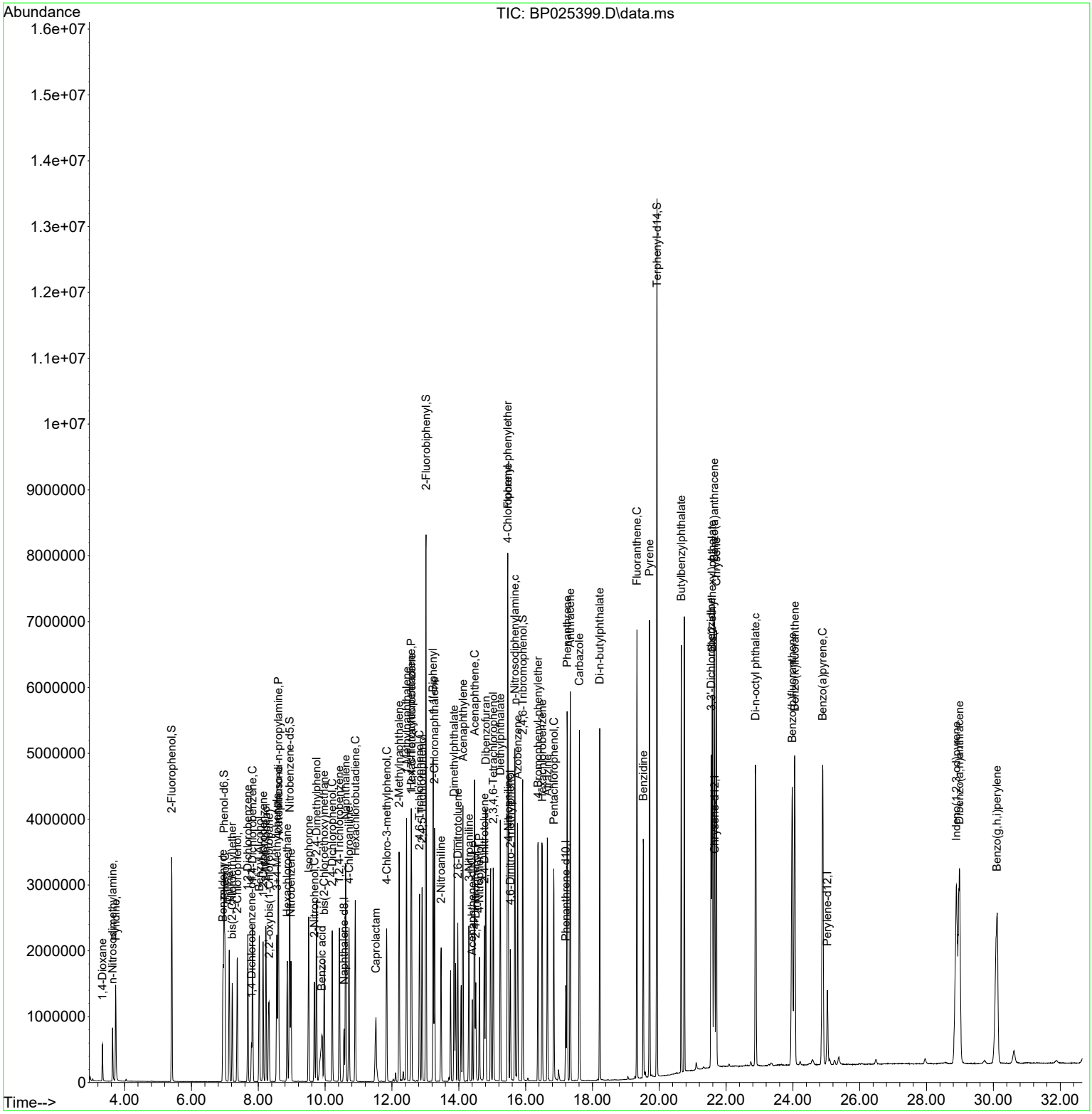
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

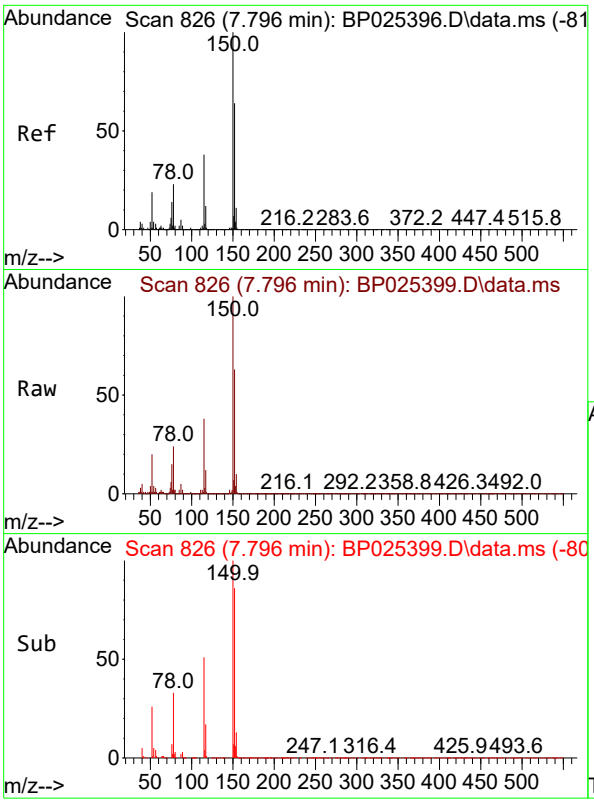
Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

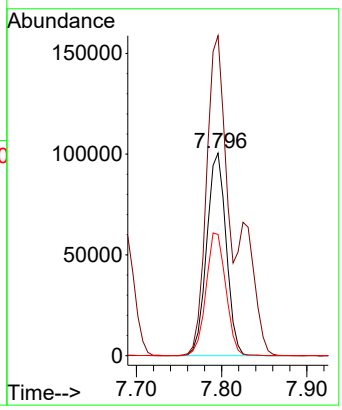




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:152 Resp: 15914

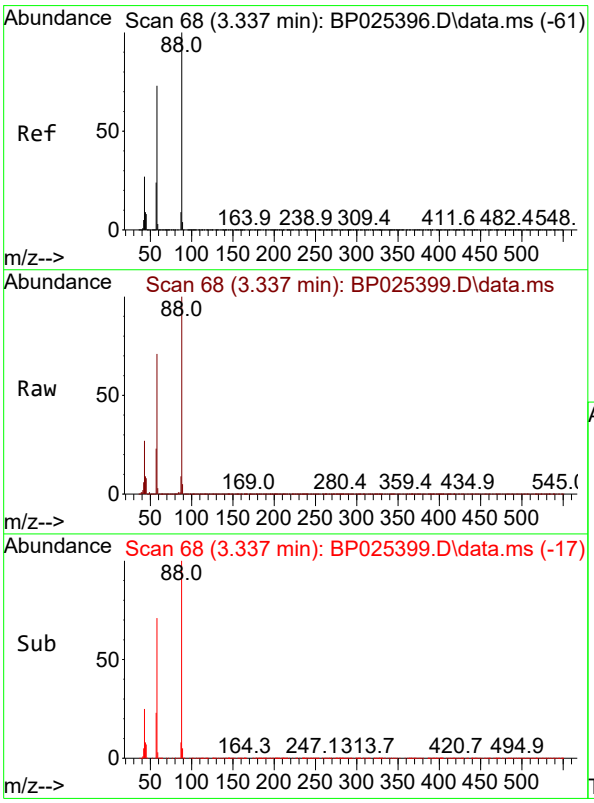
Ion	Ratio	Lower	Upper
152	100		
150	157.9	125.9	188.9
115	59.9	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

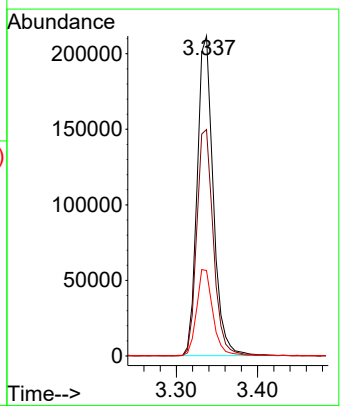
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

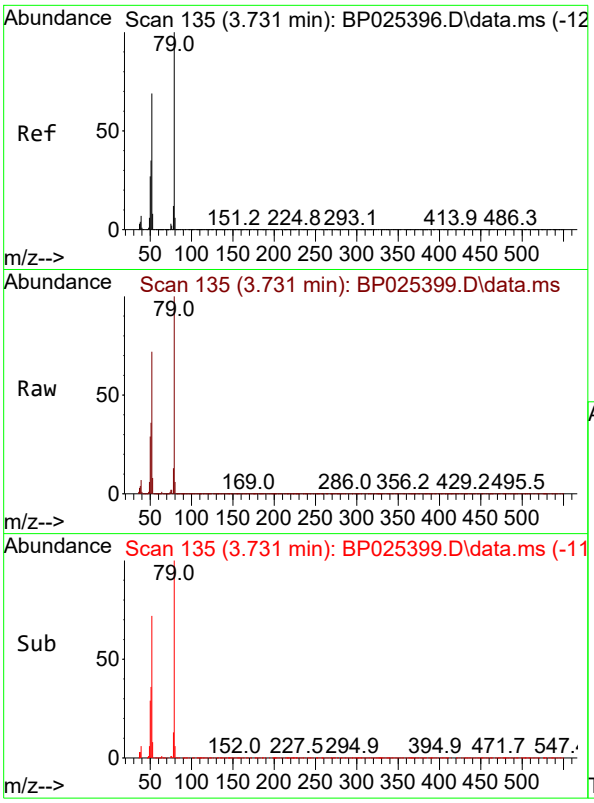


#2
1,4-Dioxane
Concen: 77.664 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 88 Resp: 291527

Ion	Ratio	Lower	Upper
88	100		
58	73.3	59.2	88.8
43	27.4	21.7	32.5

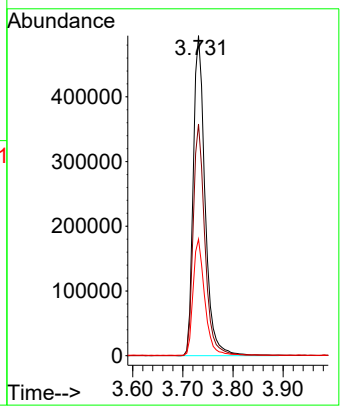




#3
Pyridine
Concen: 78.572 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 79 Resp: 80726

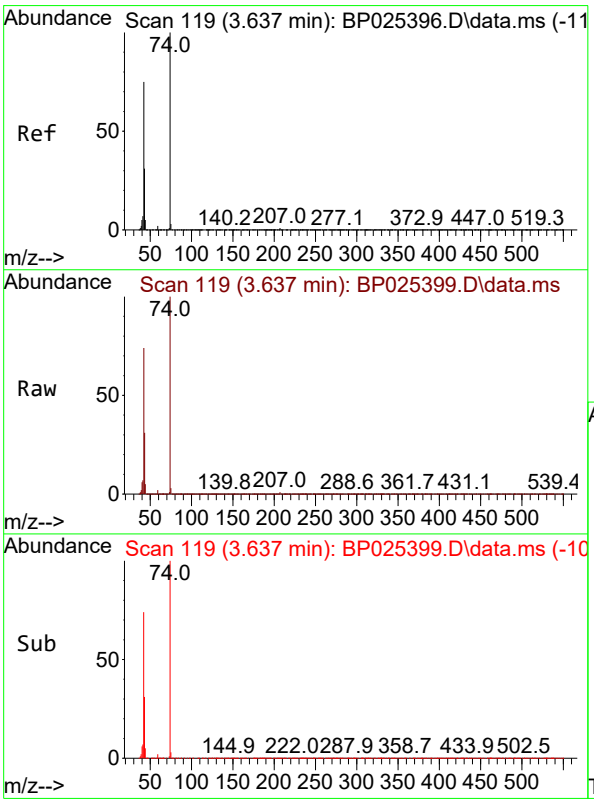
Ion	Ratio	Lower	Upper
79	100		
52	72.4	55.5	83.3
51	36.4	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

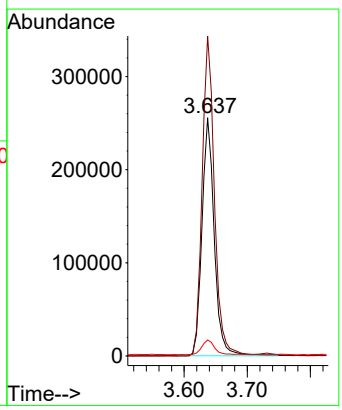
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

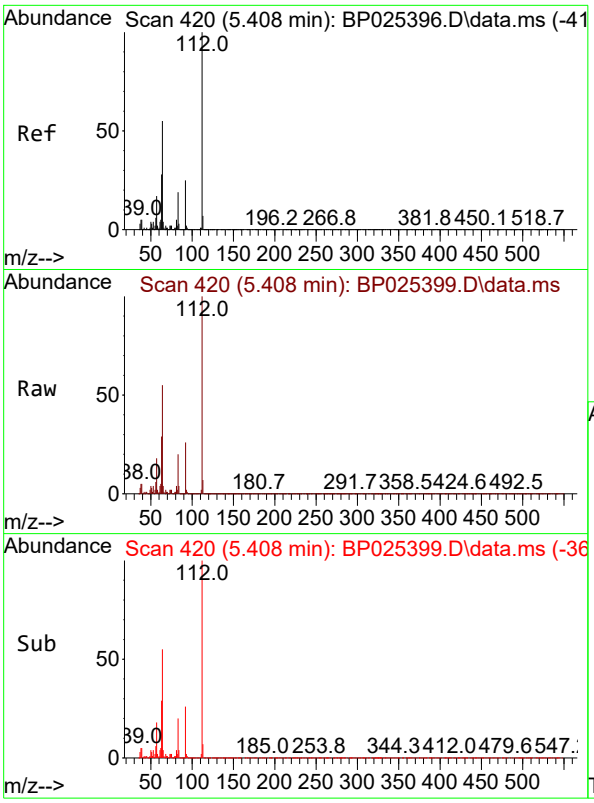


#4
n-Nitrosodimethylamine
Concen: 81.296 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 42 Resp: 344349

Ion	Ratio	Lower	Upper
42	100		
74	134.3	107.0	160.4
44	6.7	6.2	9.4

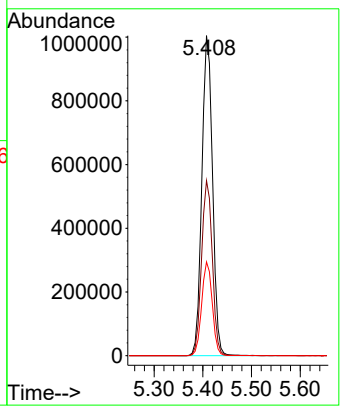




#5
2-Fluorophenol
Concen: 159.254 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:112 Resp: 152616

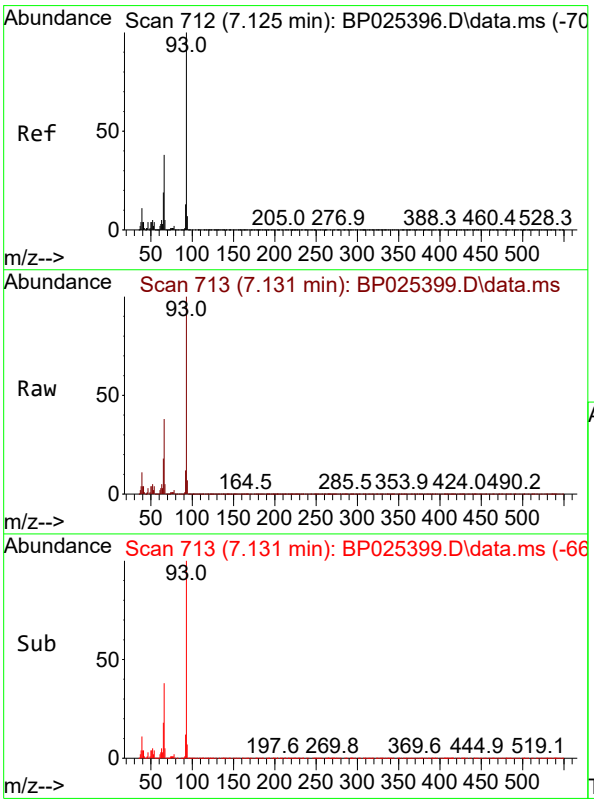
Ion	Ratio	Lower	Upper
112	100		
64	54.7	43.8	65.8
63	29.3	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

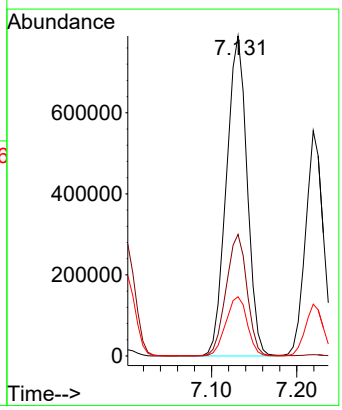
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

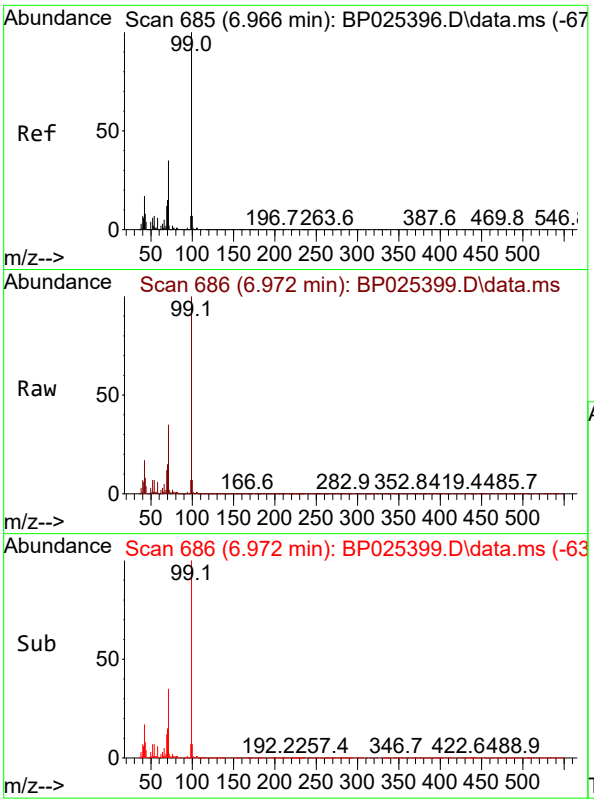


#6
Aniline
Concen: 80.538 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 1333221

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	18.5	15.3	22.9

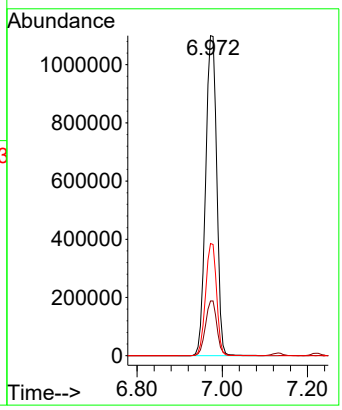




#7
Phenol-d6
Concen: 161.937 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 99 Resp: 198963

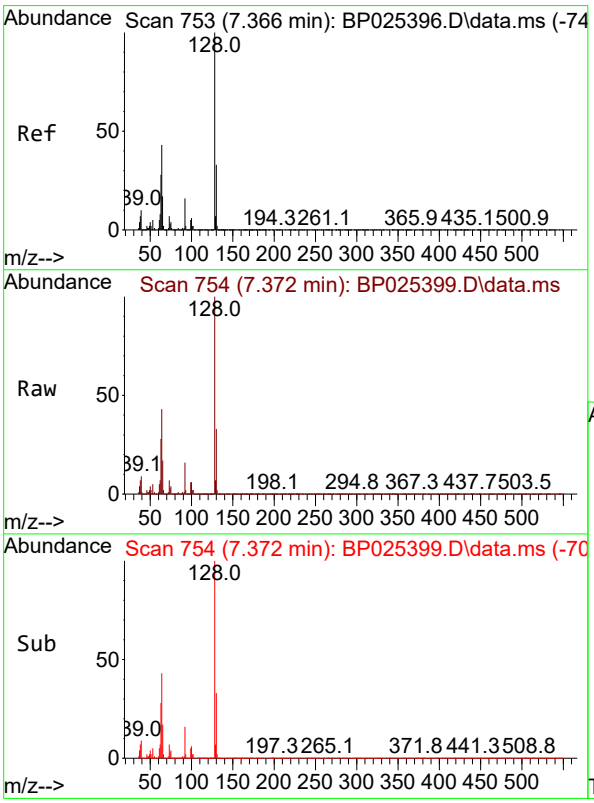
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	35.1	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

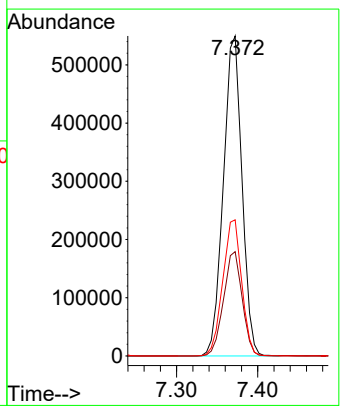
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

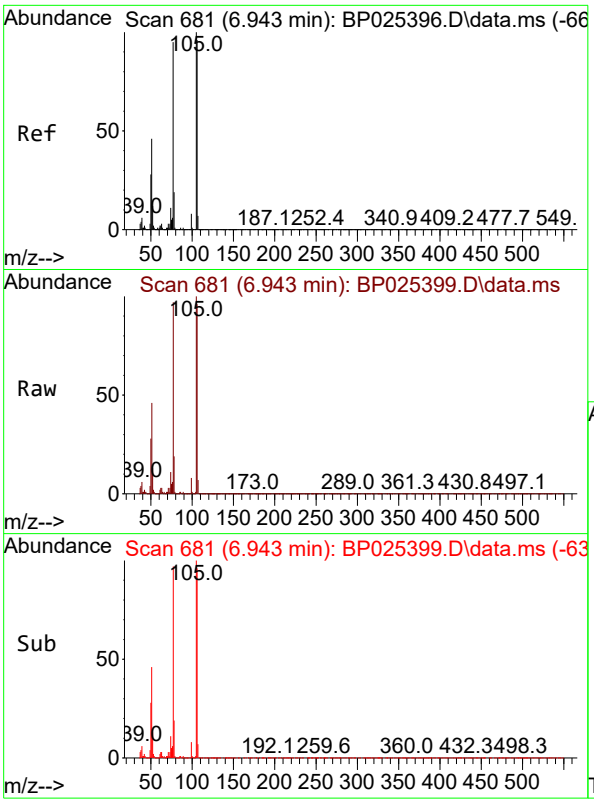


#8
2-Chlorophenol
Concen: 81.104 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:128 Resp: 877073

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	42.5	23.4	63.4

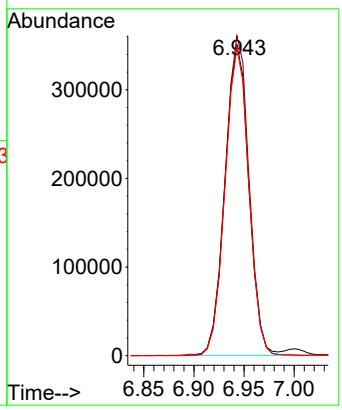




#9
Benzaldehyde
Concen: 67.651 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 77 Resp: 58234

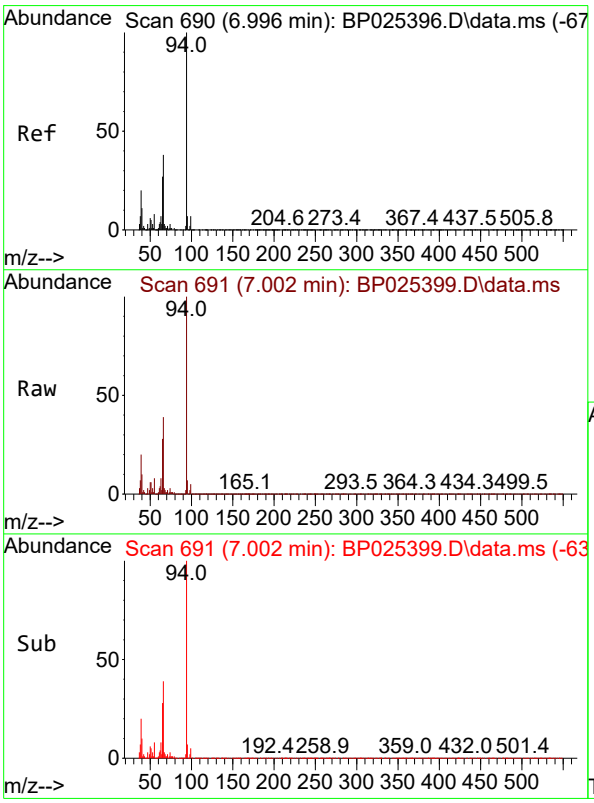
Ion	Ratio	Lower	Upper
77	100		
105	103.0	84.8	124.8
106	99.3	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

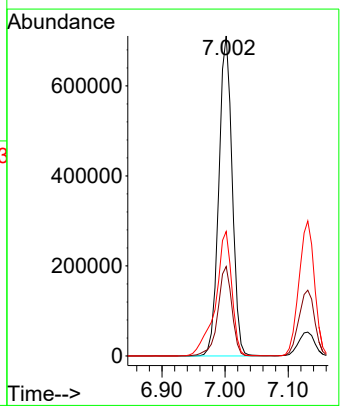
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

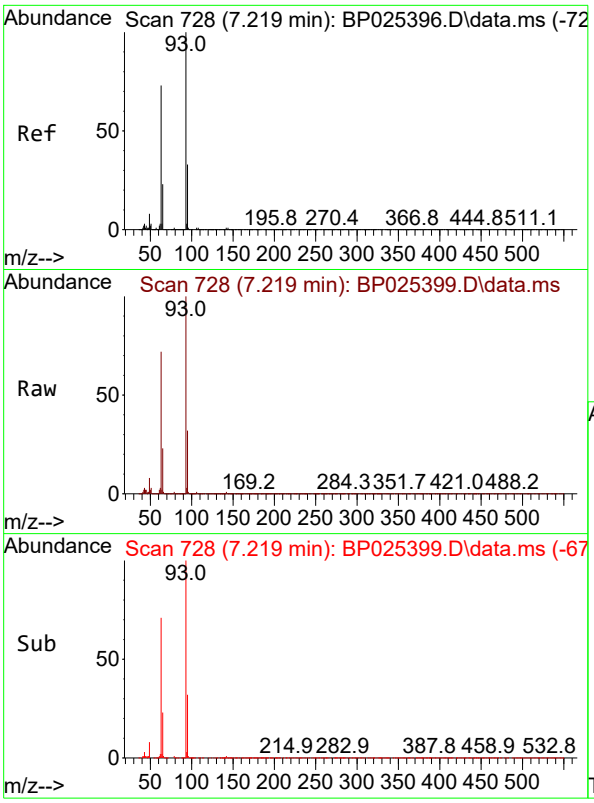


#10
Phenol
Concen: 80.710 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 94 Resp: 1040534

Ion	Ratio	Lower	Upper
94	100		
65	28.0	6.8	46.8
66	38.9	18.2	58.2

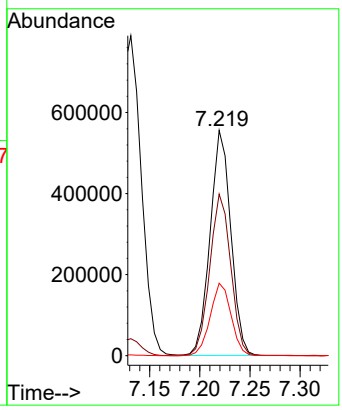




#11
bis(2-Chloroethyl)ether
Concen: 79.481 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 79867

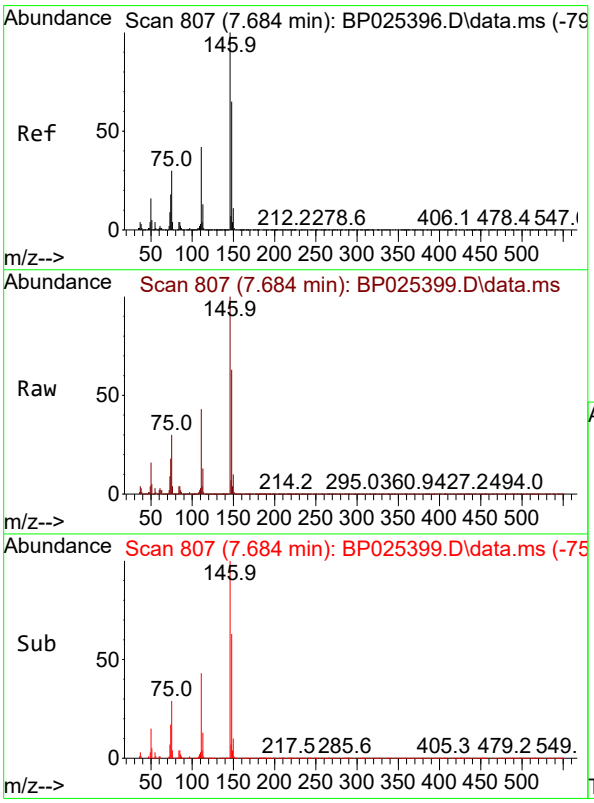
Ion	Ratio	Lower	Upper
93	100		
63	71.7	52.6	92.6
95	32.2	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

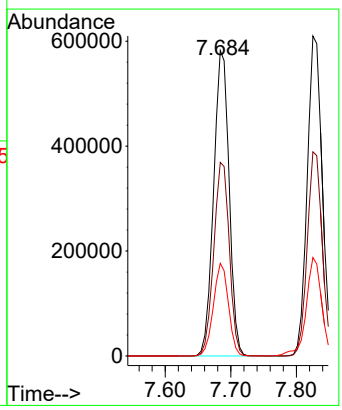
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

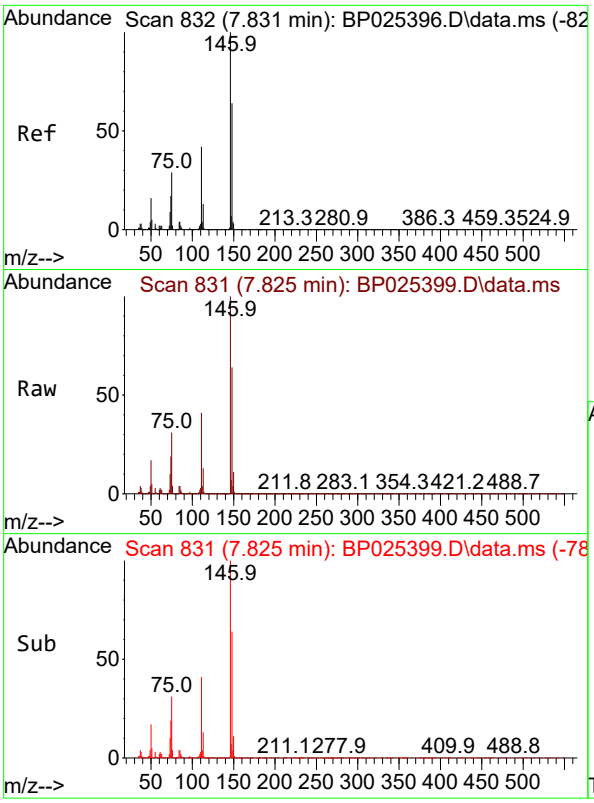


#12
1,3-Dichlorobenzene
Concen: 79.718 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:146 Resp: 950596

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.9	77.9
75	30.3	23.7	35.5





#13
1,4-Dichlorobenzene
Concen: 78.882 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

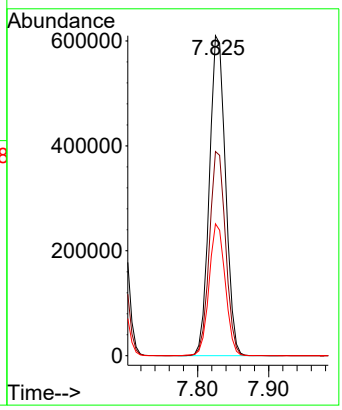
Tgt Ion:146 Resp: 96142

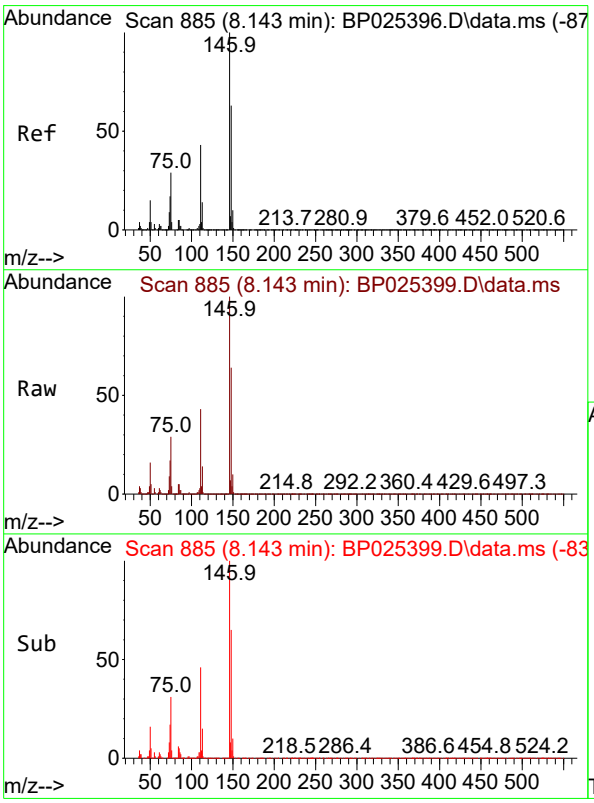
Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.6	77.4
111	41.2	33.4	50.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

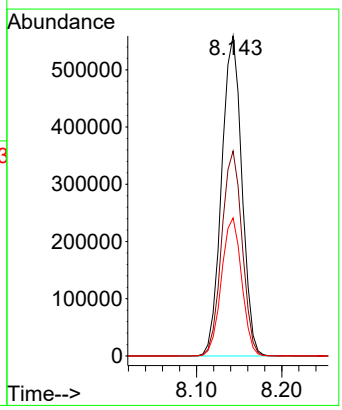


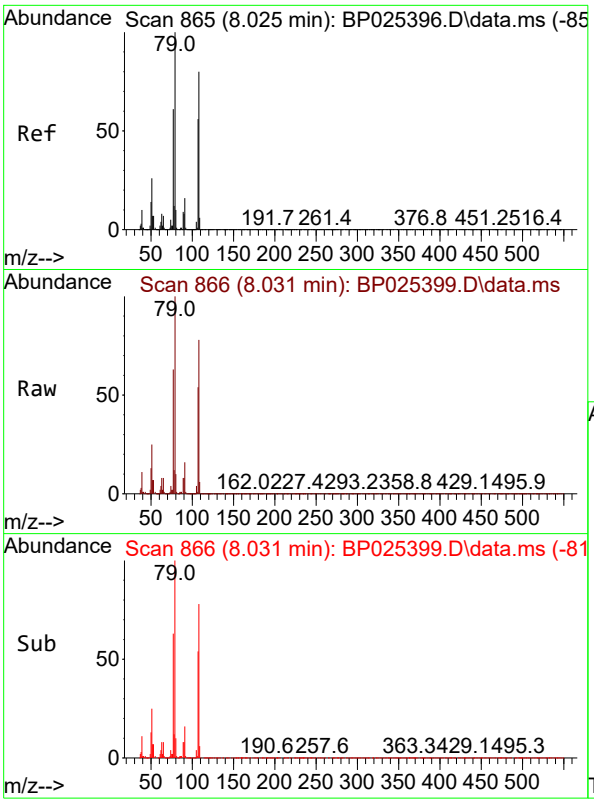


#14
1,2-Dichlorobenzene
Concen: 78.203 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:146 Resp: 922658

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.4	75.6
111	43.1	34.5	51.7





#15
Benzyl Alcohol
Concen: 81.498 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

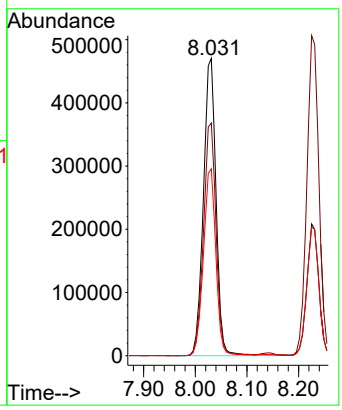
Tgt Ion: 79 Resp: 79561

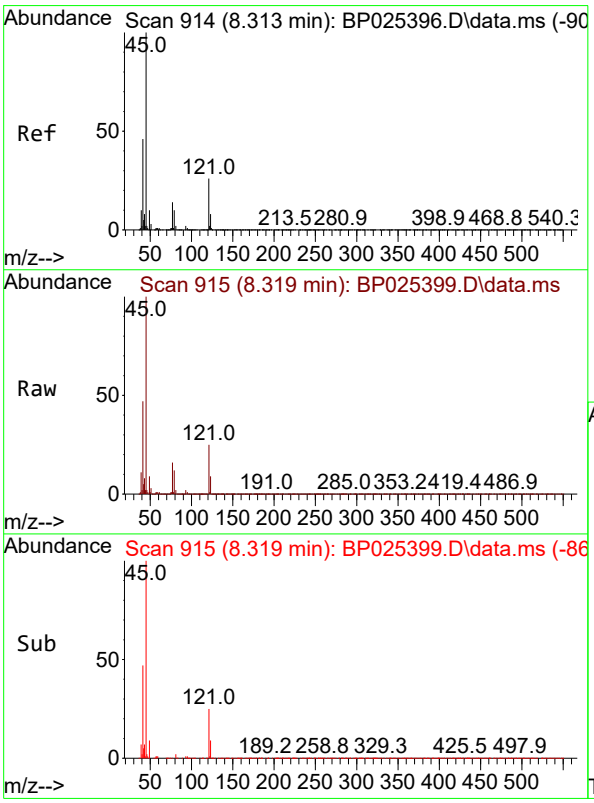
Ion	Ratio	Lower	Upper
79	100		
108	78.3	63.8	95.6
77	62.8	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

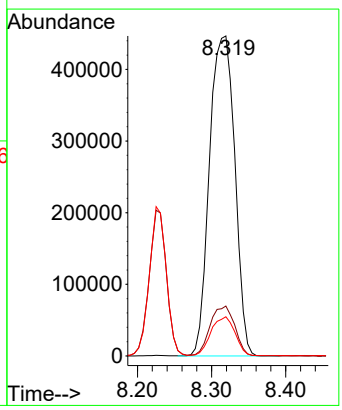


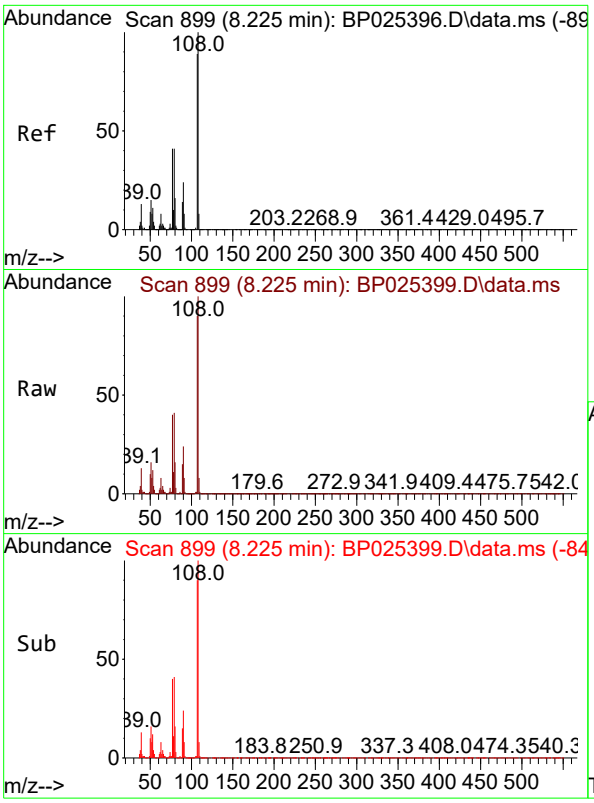


#16
2,2'-oxybis(1-Chloropropane)
Concen: 78.732 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 45 Resp: 1059824

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.3
79	12.2	0.0	31.8

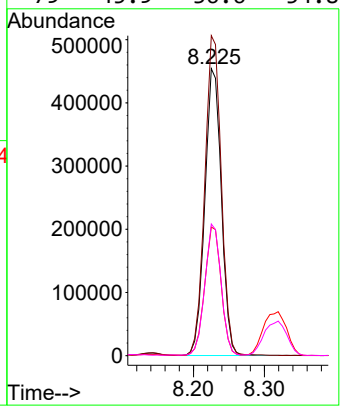




#17
2-Methylphenol
Concen: 82.028 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:107 Resp: 73448

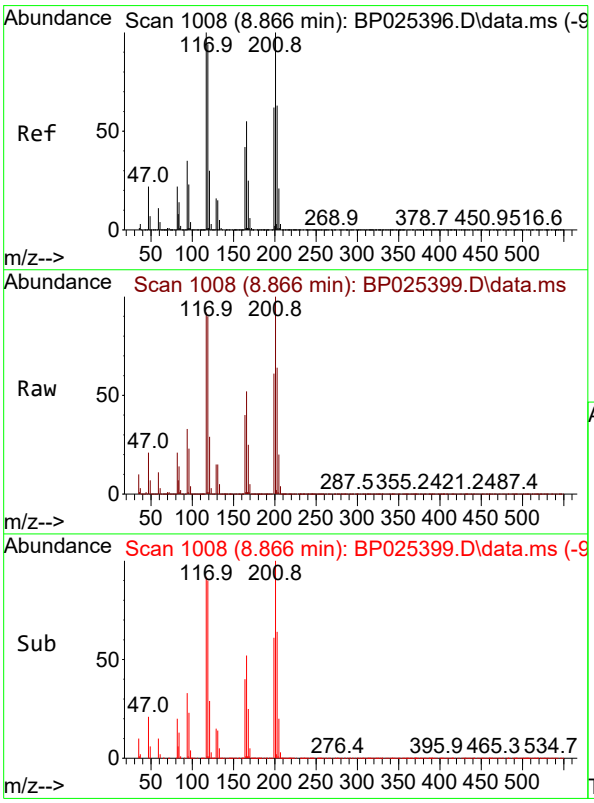
Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.4	134.0
77	44.8	36.3	54.5
79	45.9	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

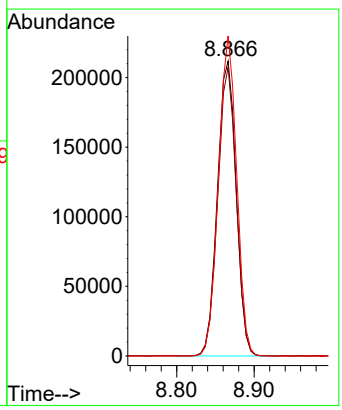
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

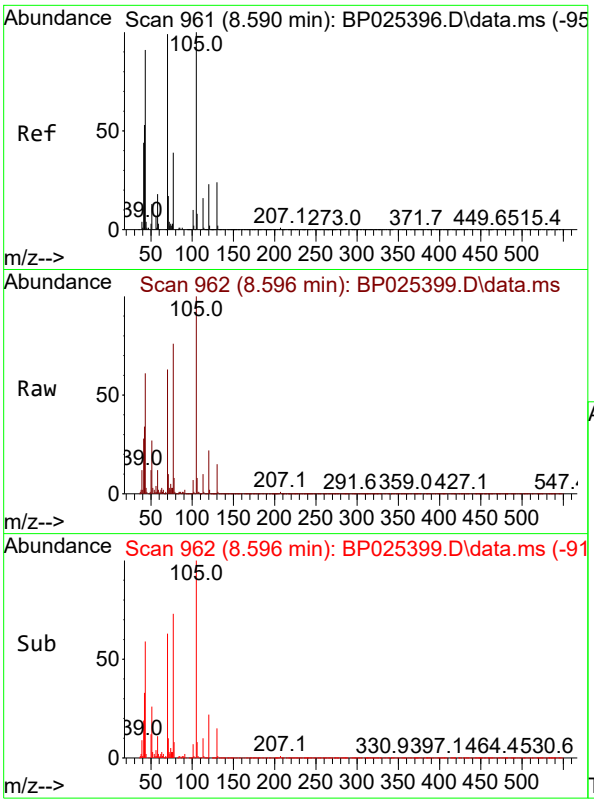


#18
Hexachloroethane
Concen: 79.395 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:117 Resp: 355791

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.1	112.7
201	108.5	80.1	120.1

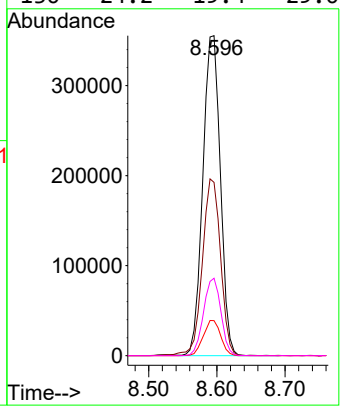




#19
n-Nitroso-di-n-propylamine
Concen: 78.102 ng
RT: 8.596 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 70 Resp: 63638

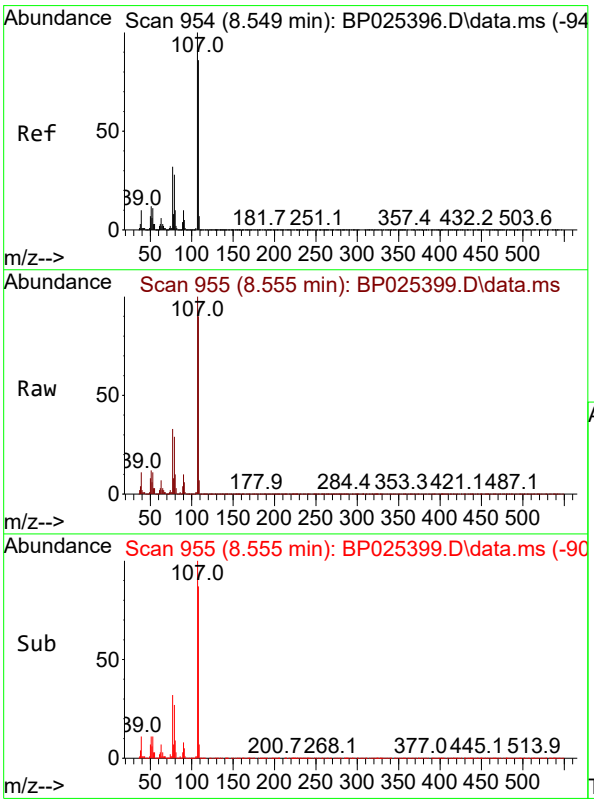
Ion	Ratio	Lower	Upper
70	100		
42	54.2	43.8	65.6
101	11.0	8.5	12.7
130	24.2	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

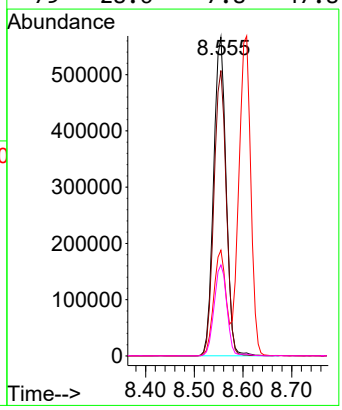
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

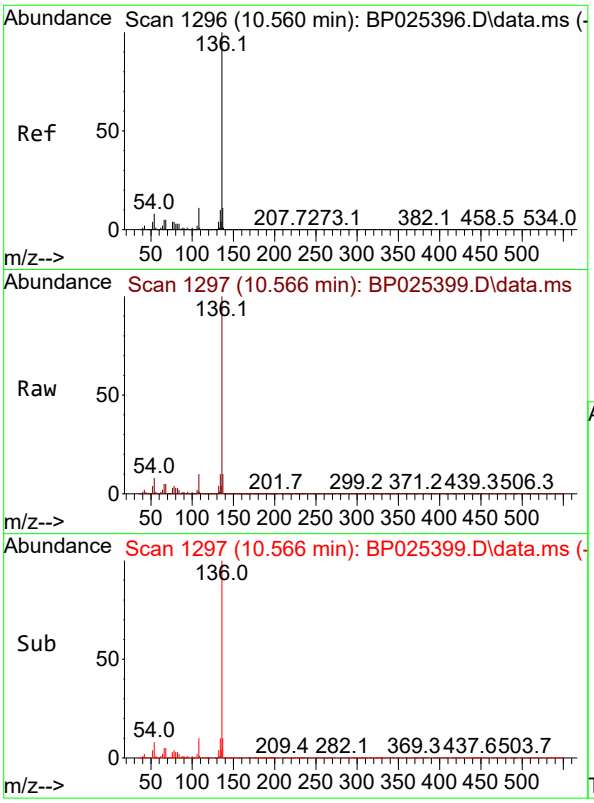


#20
3+4-Methylphenols
Concen: 81.023 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:107 Resp: 1005632

Ion	Ratio	Lower	Upper
107	100		
108	89.6	66.3	106.3
77	33.2	12.3	52.3
79	28.6	7.8	47.8

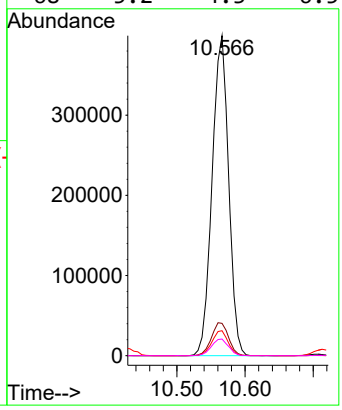




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:136 Resp: 673018

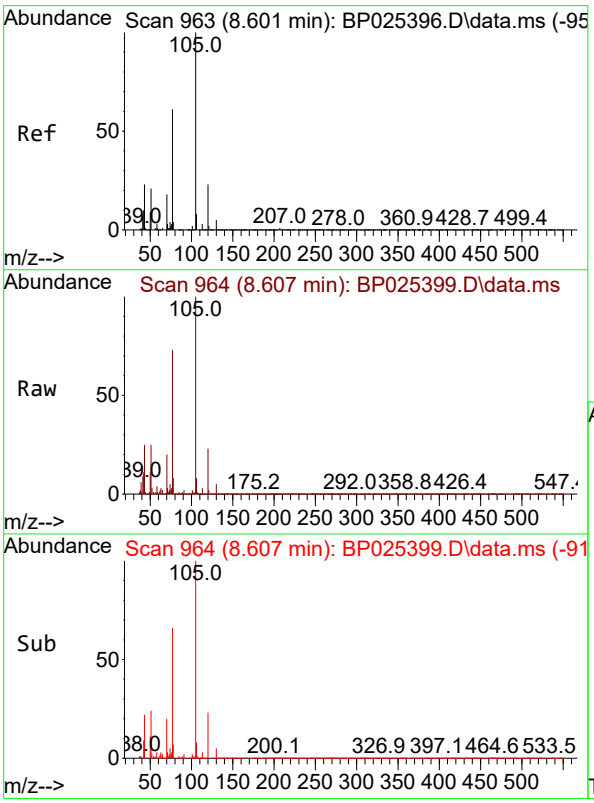
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.2	13.8
54	7.8	6.0	9.0
68	5.2	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

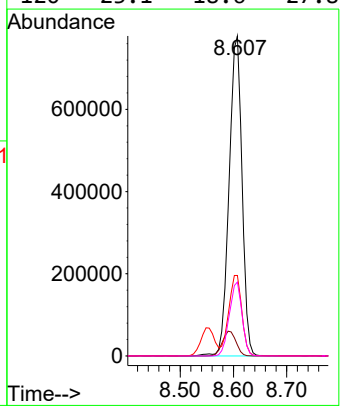
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

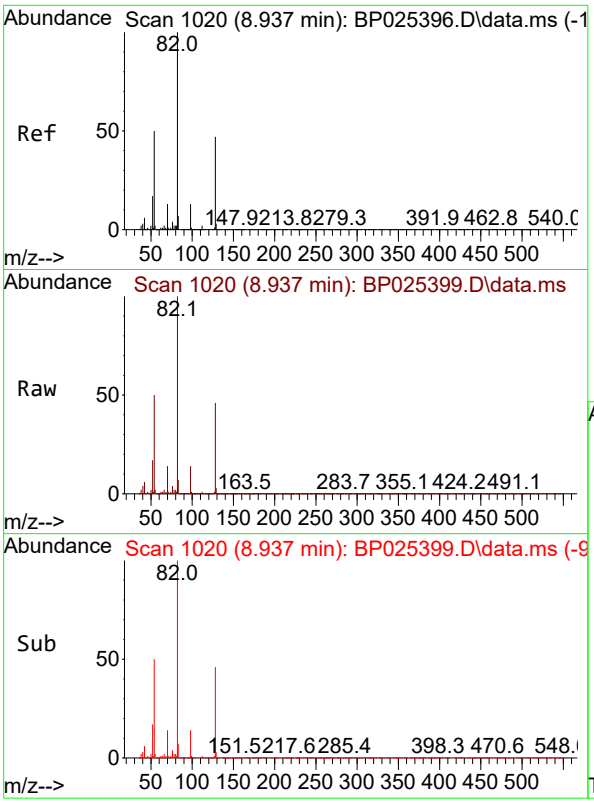


#22
Acetophenone
Concen: 77.886 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:105 Resp: 1314548

Ion	Ratio	Lower	Upper
105	100		
71	3.4	2.6	4.0
51	25.1	20.6	30.8
120	23.1	18.6	27.8

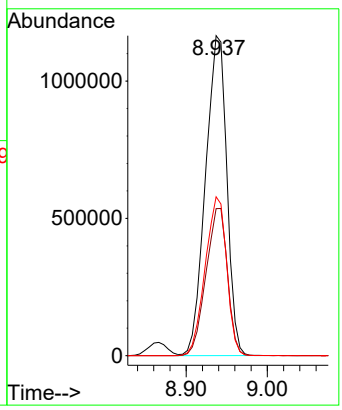




#23
Nitrobenzene-d5
Concen: 159.609 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 82 Resp: 212352

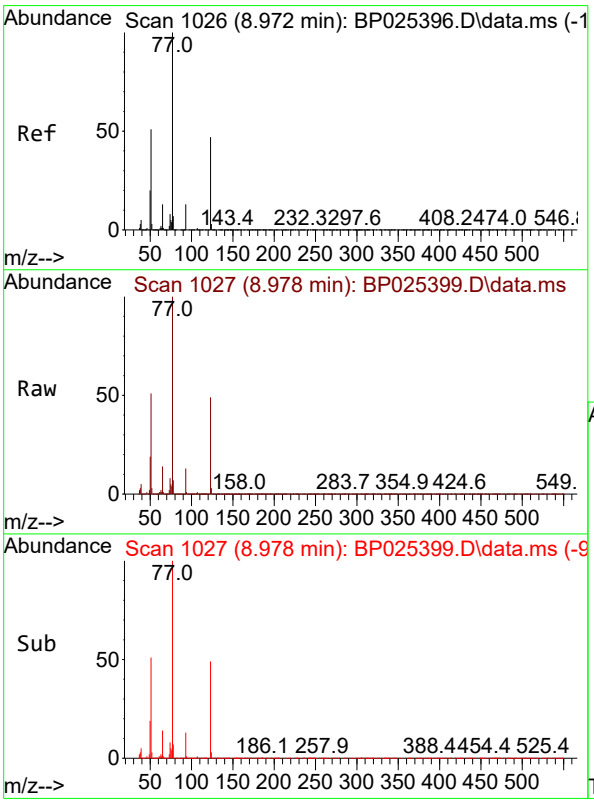
Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.7	56.5
54	49.7	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

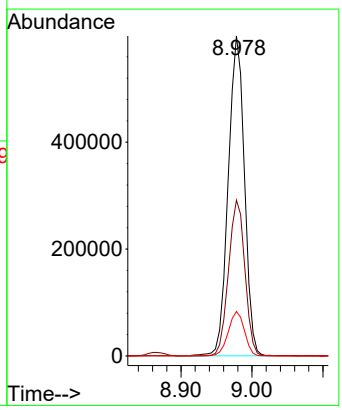
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

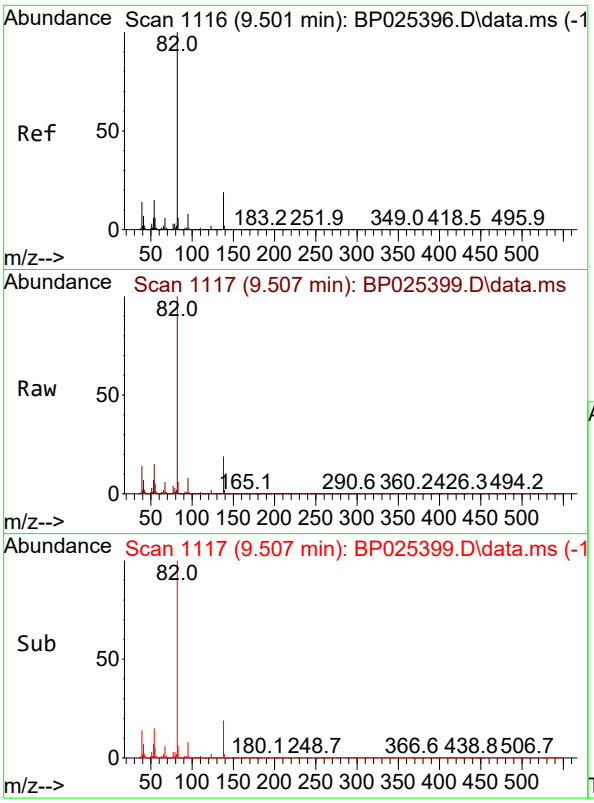


#24
Nitrobenzene
Concen: 79.686 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 77 Resp: 947511

Ion	Ratio	Lower	Upper
77	100		
123	48.7	38.6	58.0
65	13.9	10.6	15.8

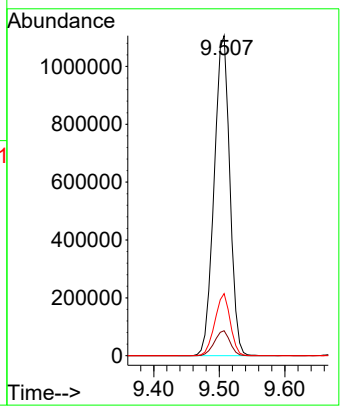




#25
Isophorone
Concen: 77.708 ng
RT: 9.507 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 82 Resp: 182967

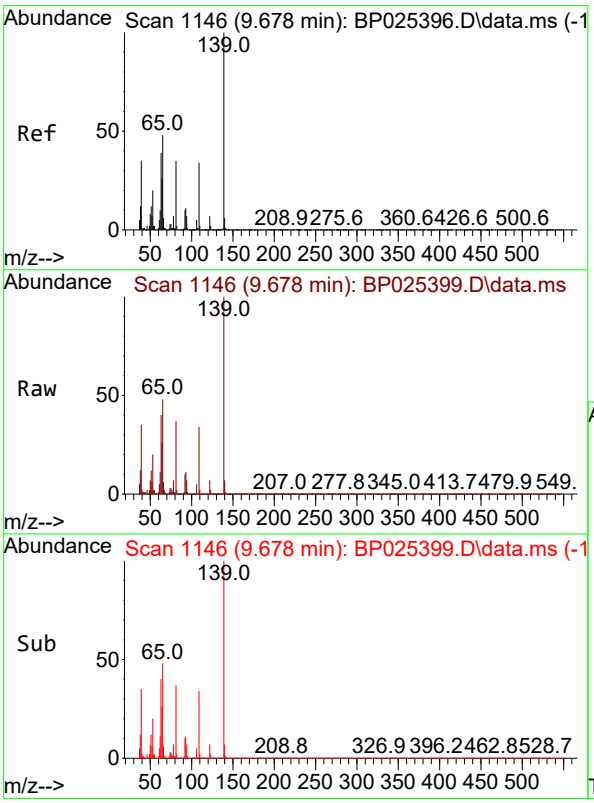
Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	19.4	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

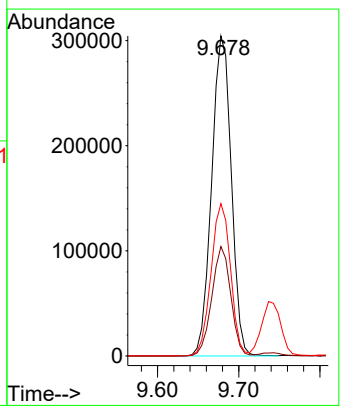
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

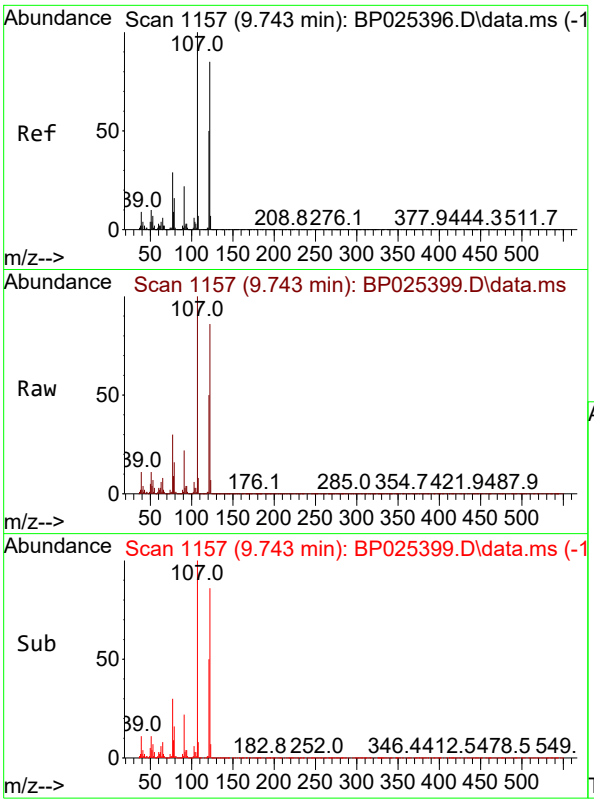


#26
2-Nitrophenol
Concen: 83.872 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:139 Resp: 511806

Ion	Ratio	Lower	Upper
139	100		
109	34.2	26.9	40.3
65	47.6	38.3	57.5

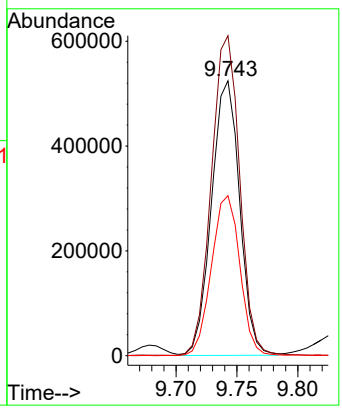




#27
2,4-Dimethylphenol
Concen: 80.280 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:122 Resp: 84246

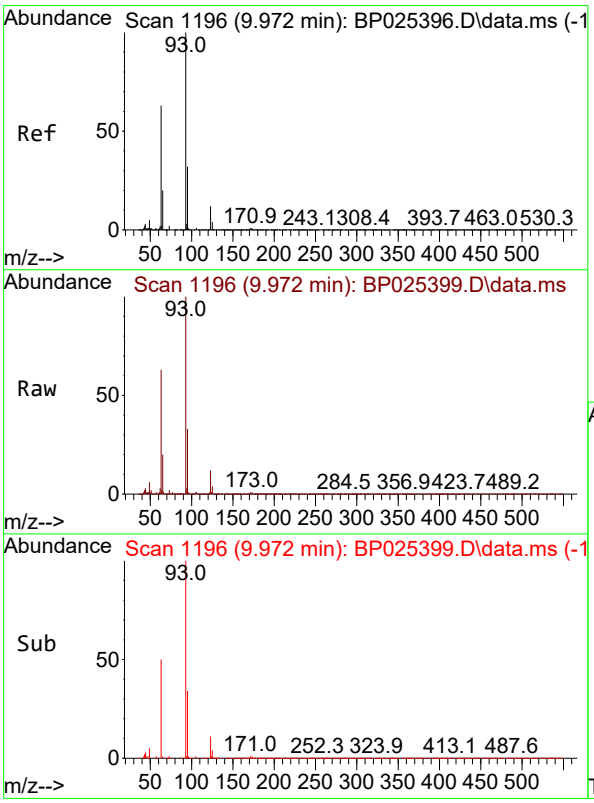
Ion	Ratio	Lower	Upper
122	100		
107	116.4	93.7	140.5
121	58.2	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

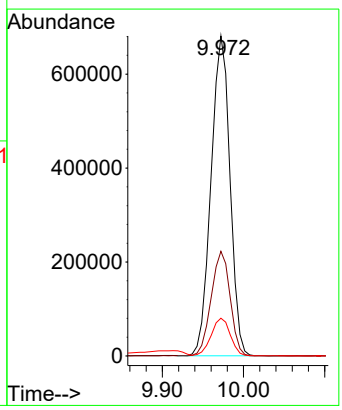
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

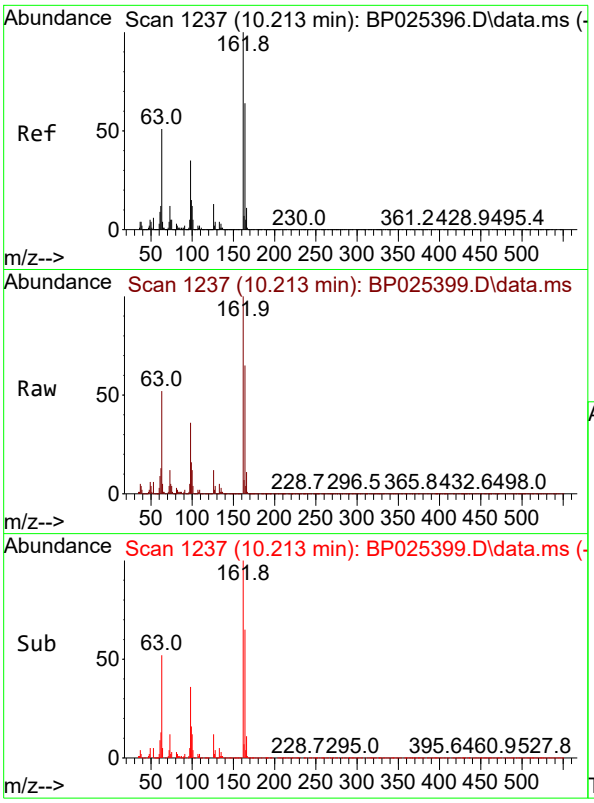


#28
bis(2-Chloroethoxy)methane
Concen: 77.542 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 1103640

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	11.8	9.4	14.0

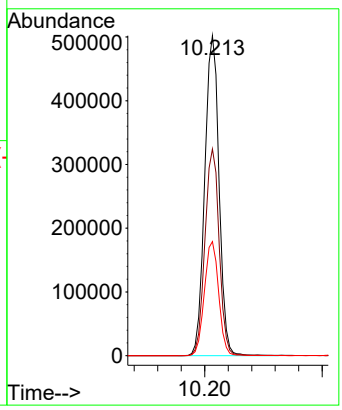




#29
2,4-Dichlorophenol
Concen: 81.037 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:162 Resp: 84478

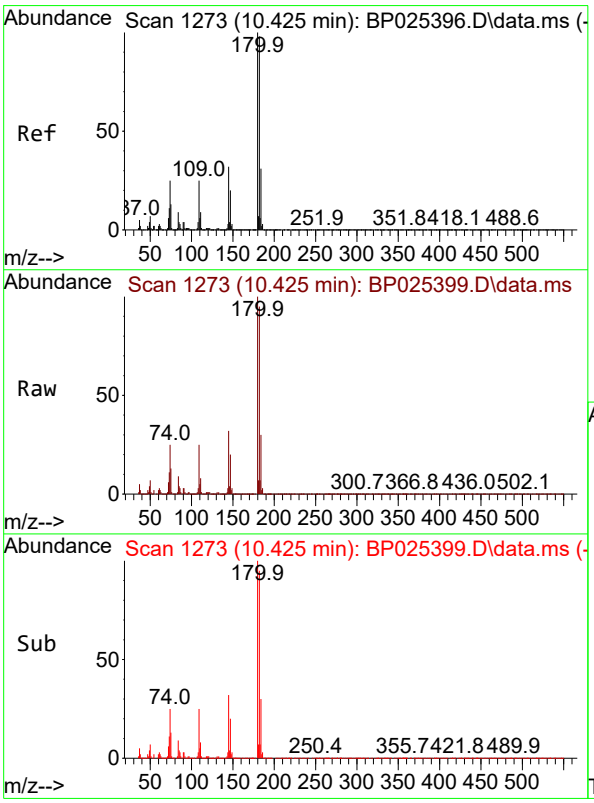
Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.4	84.4
98	35.6	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

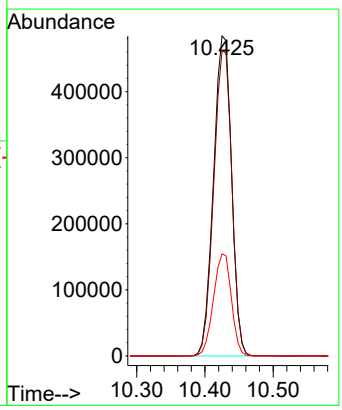
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

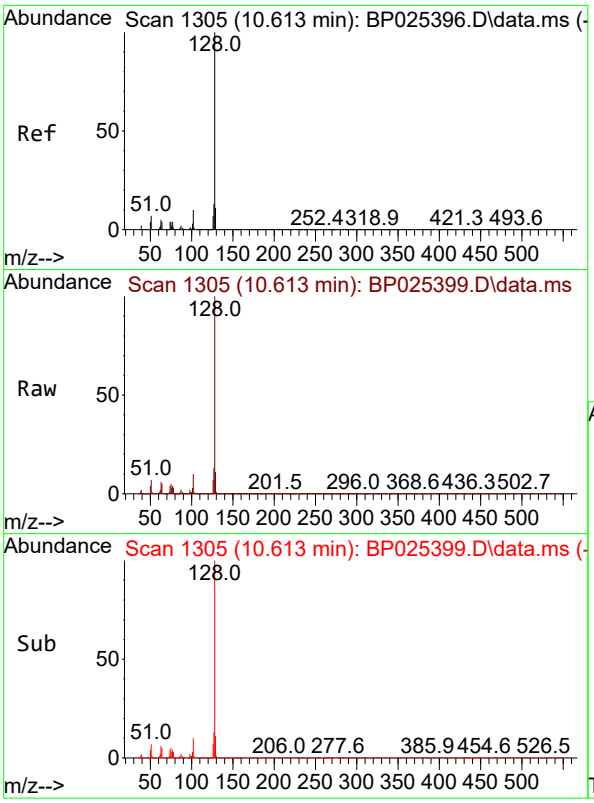


#30
1,2,4-Trichlorobenzene
Concen: 78.123 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:180 Resp: 892771

Ion	Ratio	Lower	Upper
180	100		
182	95.4	78.0	117.0
145	31.9	25.9	38.9

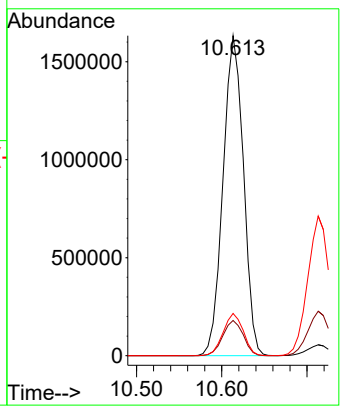




#31
Naphthalene
Concen: 77.835 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:128 Resp: 272270

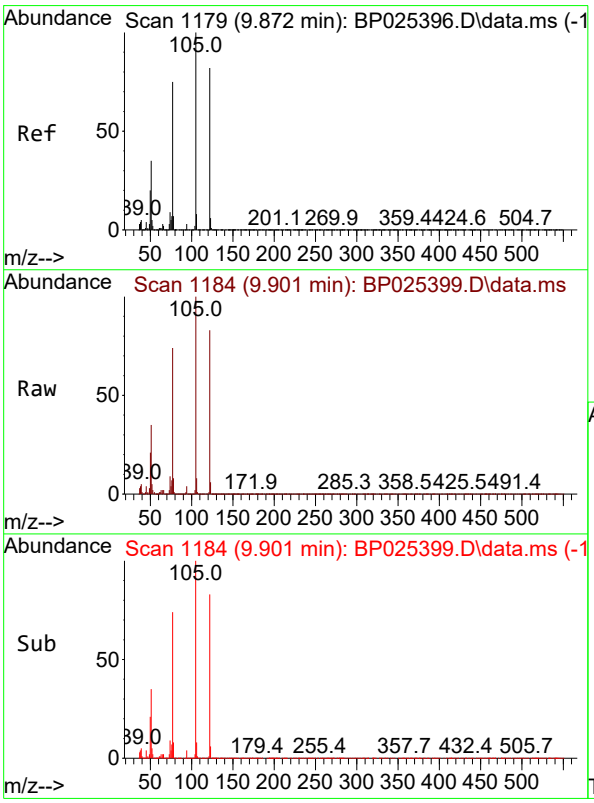
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

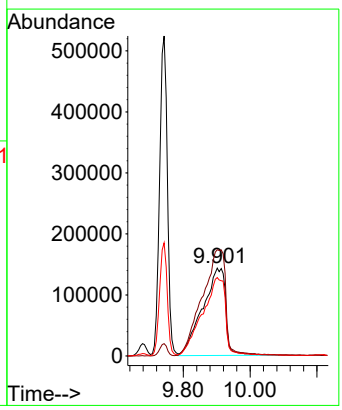
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

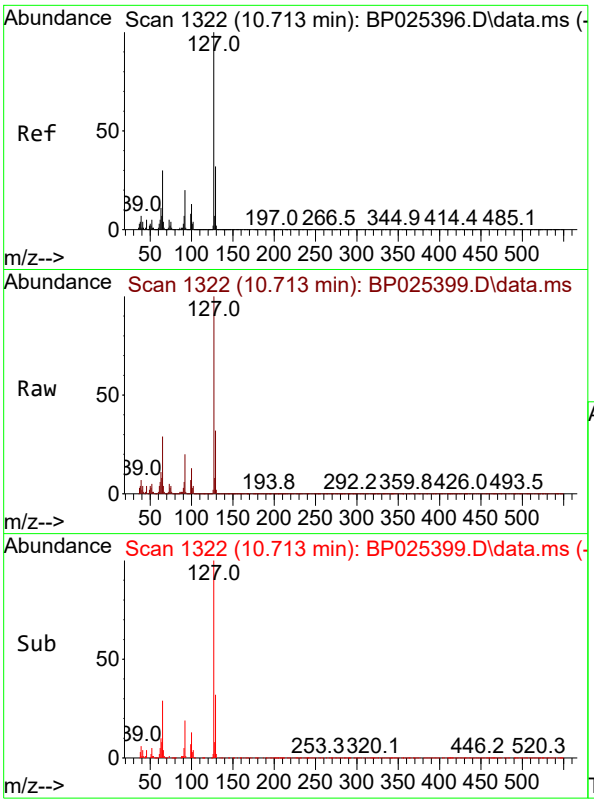


#32
Benzoic acid
Concen: 88.861 ng
RT: 9.901 min Scan# 1184
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:122 Resp: 686791

Ion	Ratio	Lower	Upper
122	100		
105	121.0	100.6	140.6
77	89.3	71.5	111.5

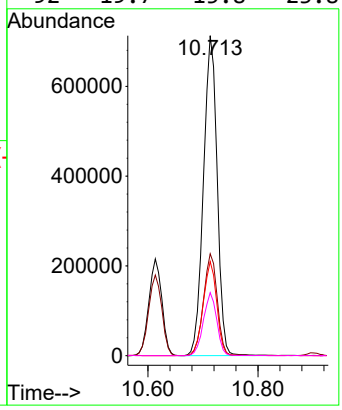




#33
4-Chloroaniline
Concen: 79.761 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:127 Resp: 123243

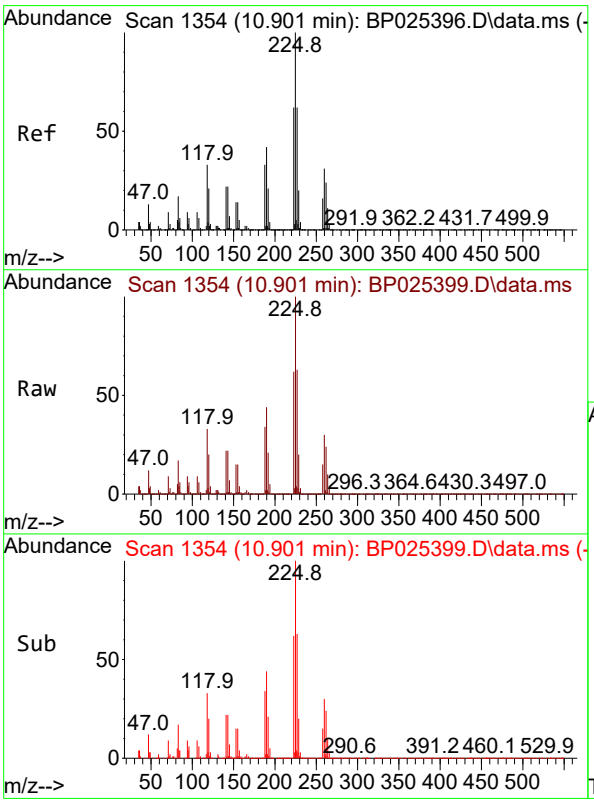
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	29.4	23.8	35.6
92	19.7	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

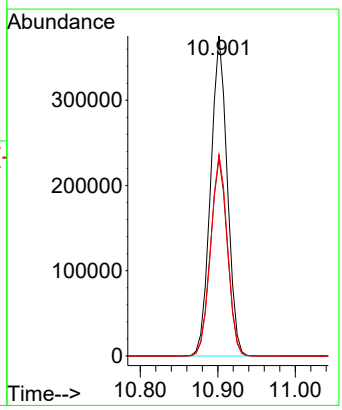
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

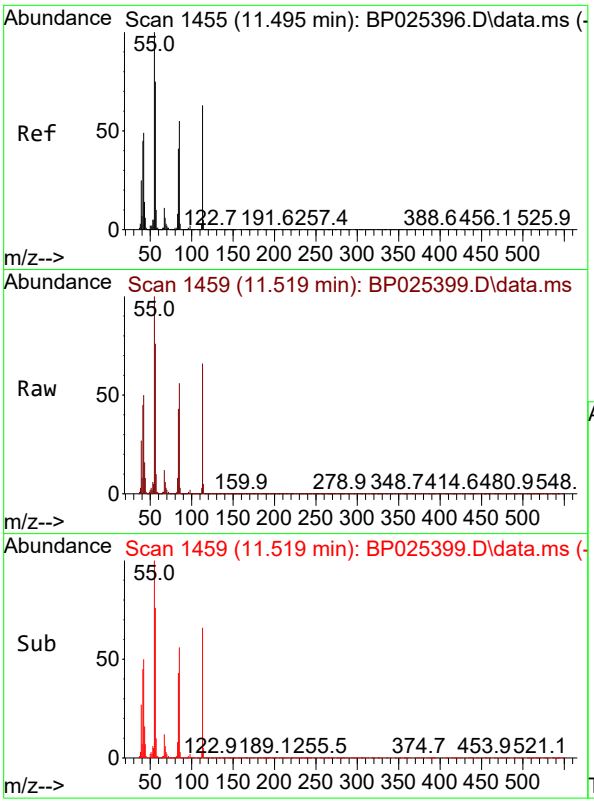


#34
Hexachlorobutadiene
Concen: 78.393 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:225 Resp: 557922

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.0	75.0
227	62.9	49.7	74.5

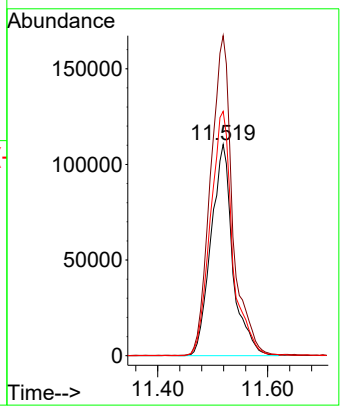




#35
Caprolactam
Concen: 79.233 ng
RT: 11.519 min Scan# 14
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:113 Resp: 30287

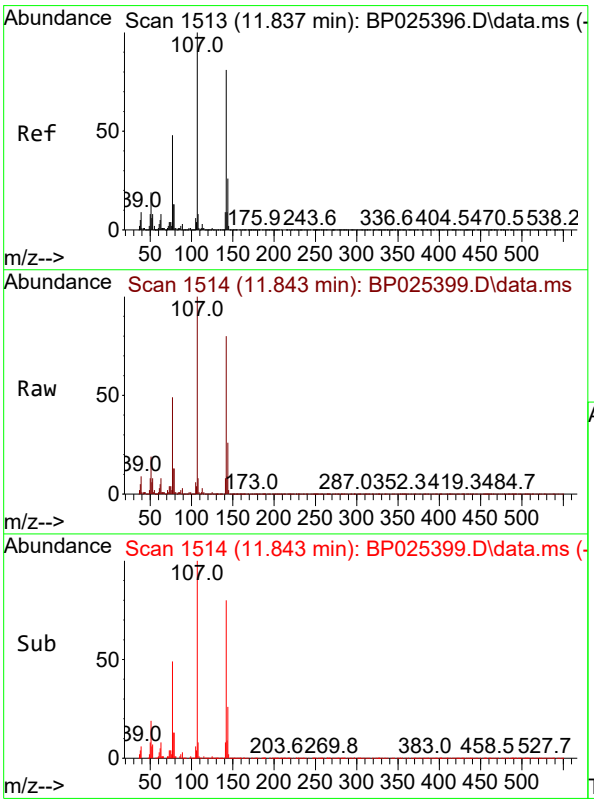
Ion	Ratio	Lower	Upper
113	100		
55	151.5	140.0	180.0
56	115.6	100.0	140.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

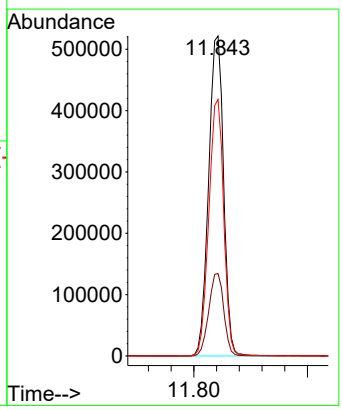
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

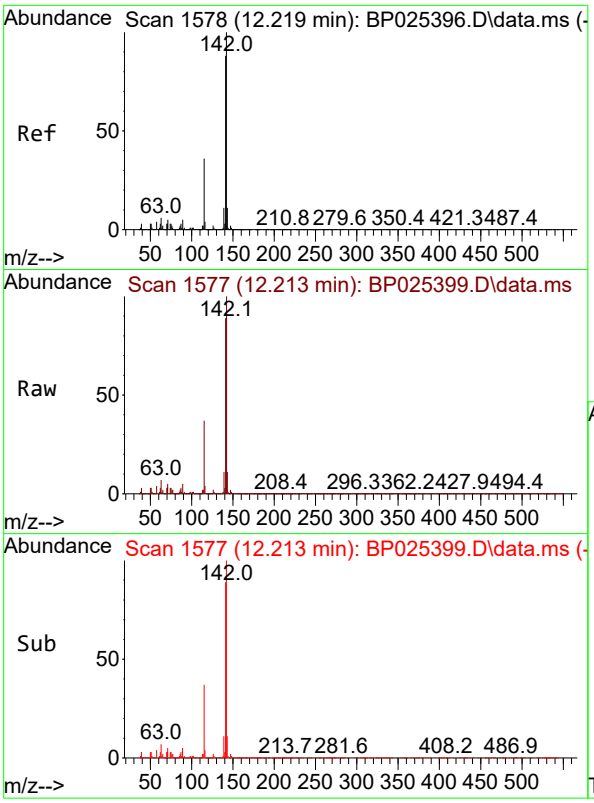


#36
4-Chloro-3-methylphenol
Concen: 79.399 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:107 Resp: 949779

Ion	Ratio	Lower	Upper
107	100		
144	25.7	21.0	31.4
142	80.2	64.6	97.0

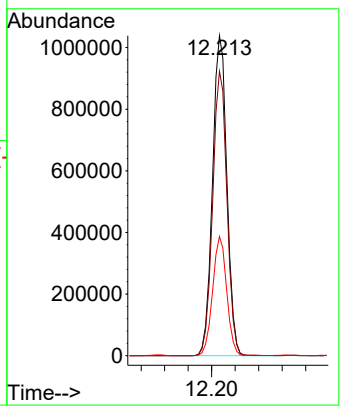




#37
2-Methylnaphthalene
Concen: 77.372 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:142 Resp: 176132

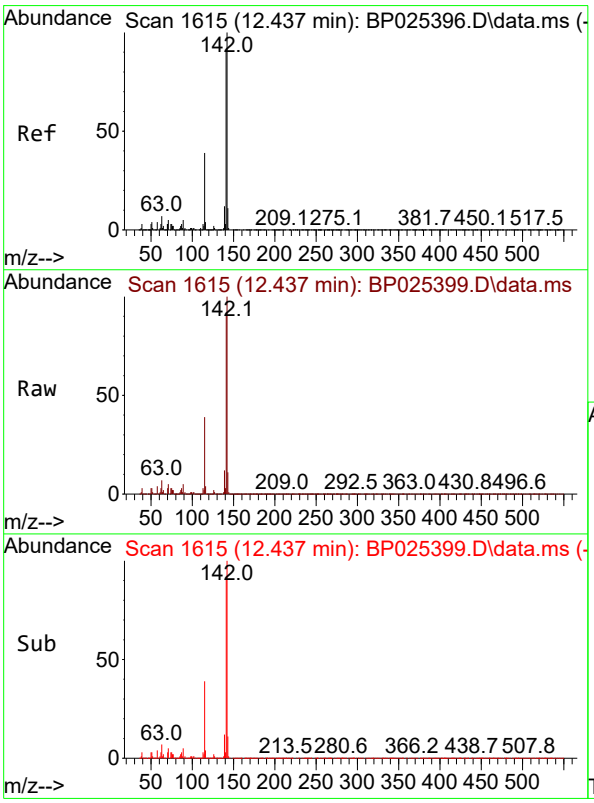
Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.3	105.5
115	37.2	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

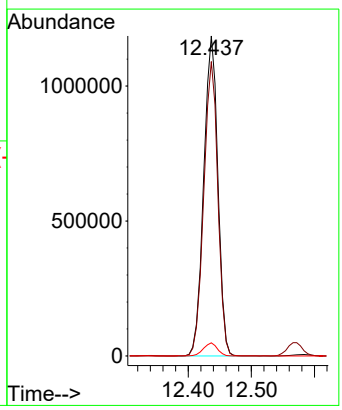
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

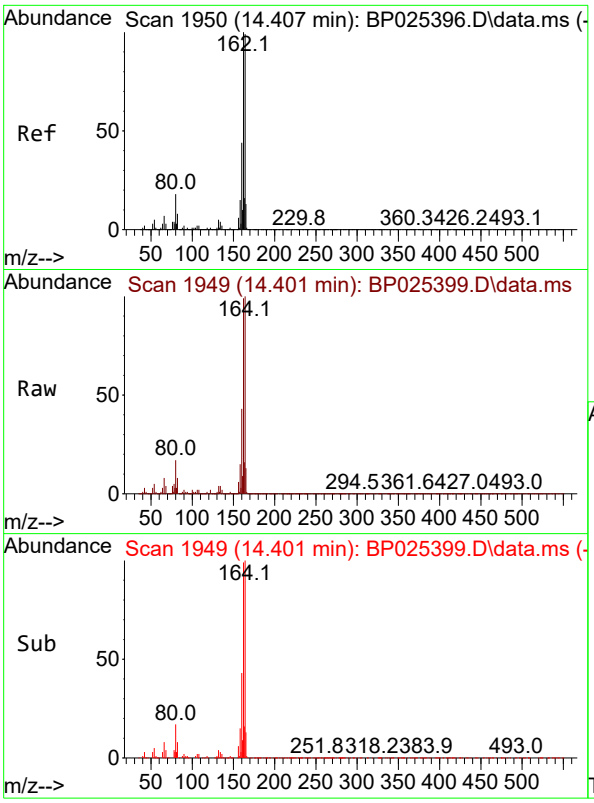


#38
1-Methylnaphthalene
Concen: 76.186 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:142 Resp: 1844376

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7
116	4.1	3.2	4.8

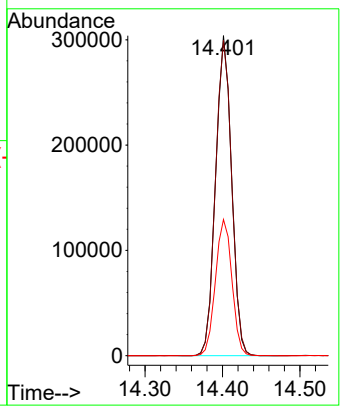




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:164 Resp: 43604

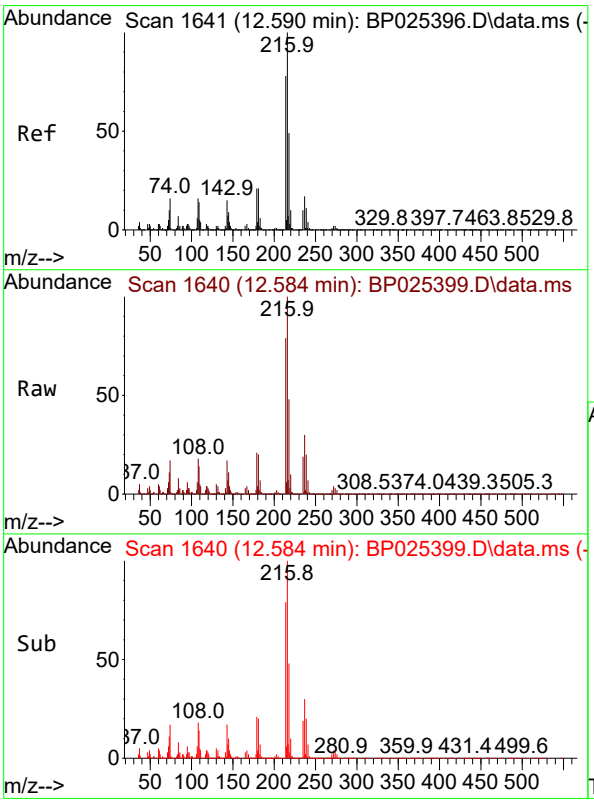
Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.0	121.6
160	42.6	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

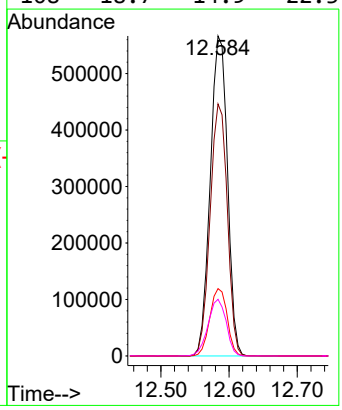
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

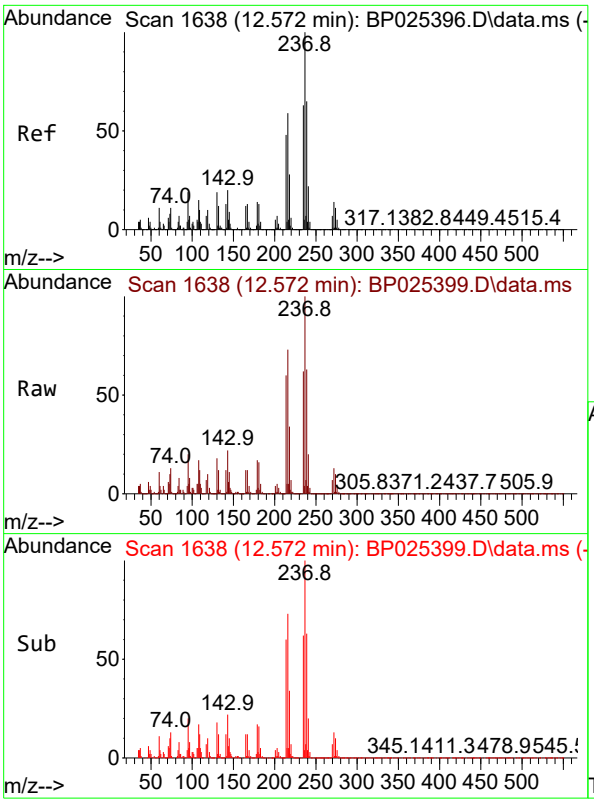


#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.014 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:216 Resp: 995064

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	21.2	17.1	25.7
108	18.7	14.9	22.3

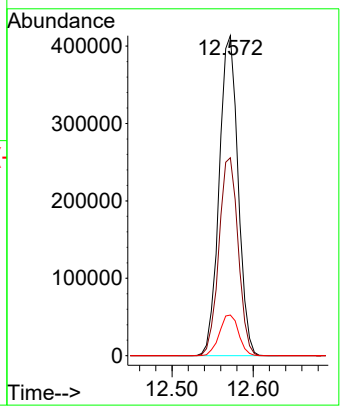




#41
Hexachlorocyclopentadiene
Concen: 87.916 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:237 Resp: 66877

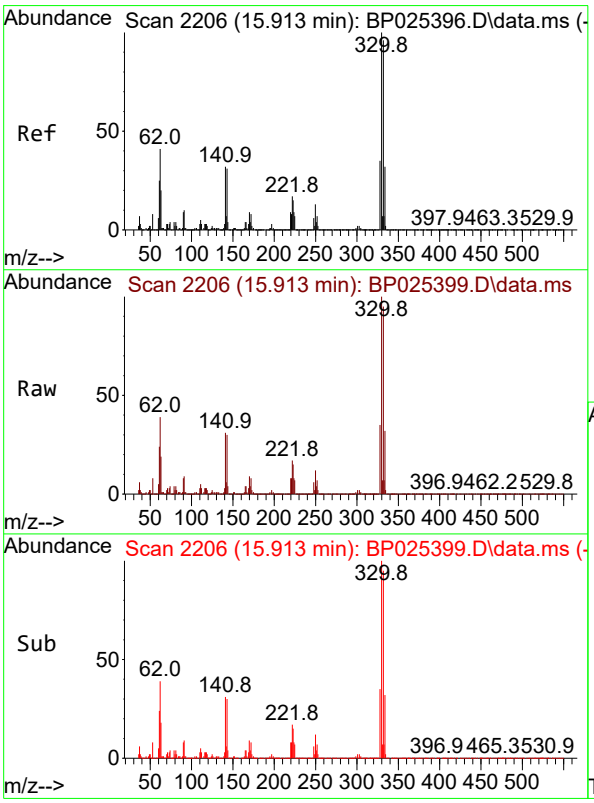
Ion	Ratio	Lower	Upper
237	100		
235	61.9	42.7	82.7
272	12.7	0.0	34.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

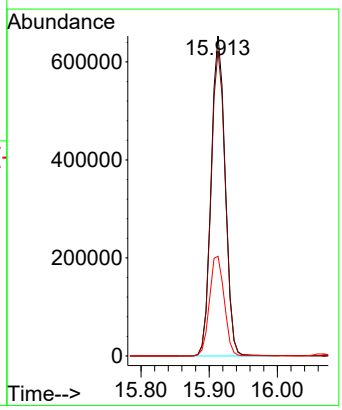
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

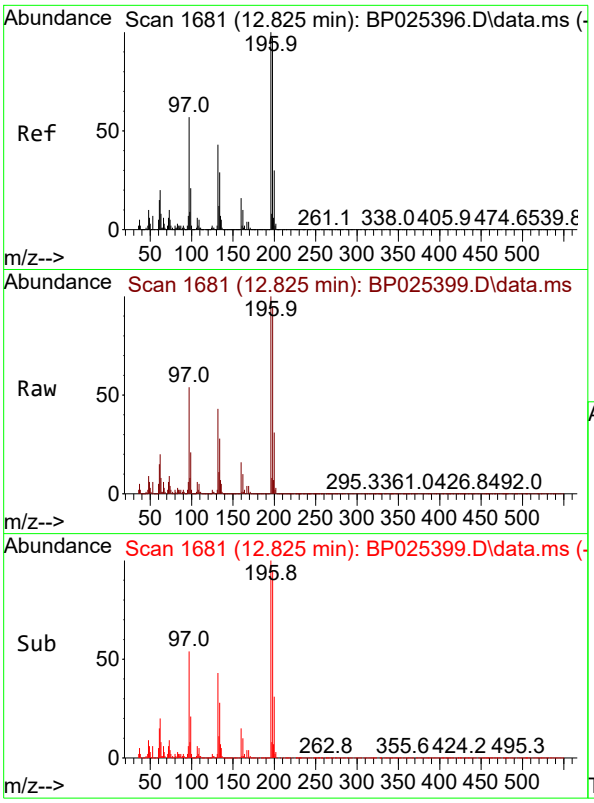


#42
2,4,6-Tribromophenol
Concen: 159.559 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:330 Resp: 936489

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	32.8	26.6	39.8

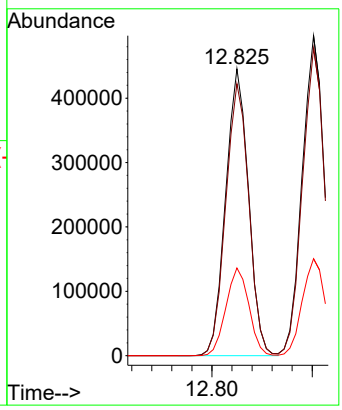




#43
2,4,6-Trichlorophenol
Concen: 83.096 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:196 Resp: 70648

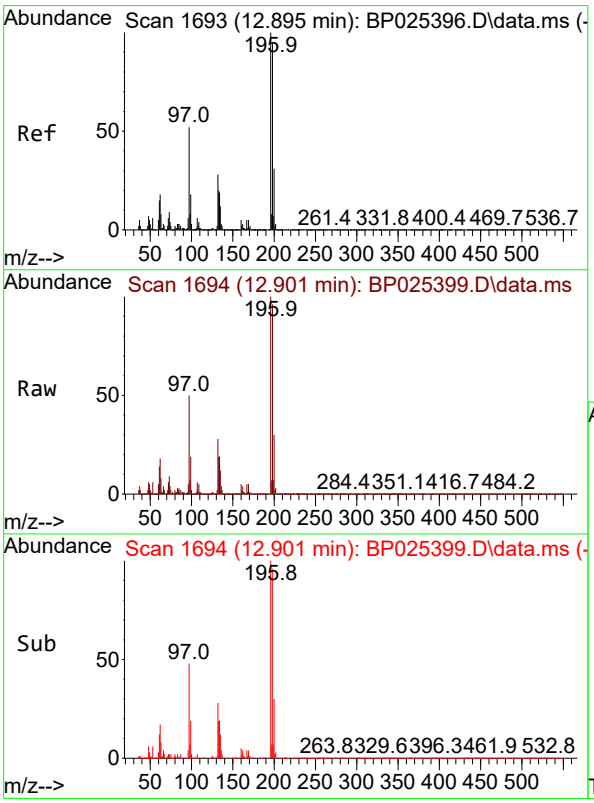
Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	30.5	23.9	35.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

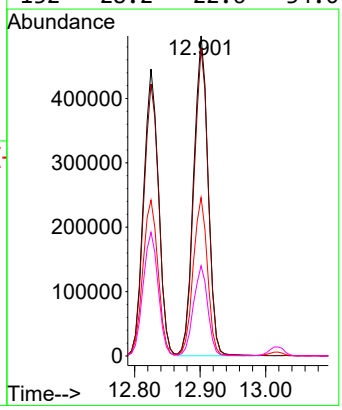
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

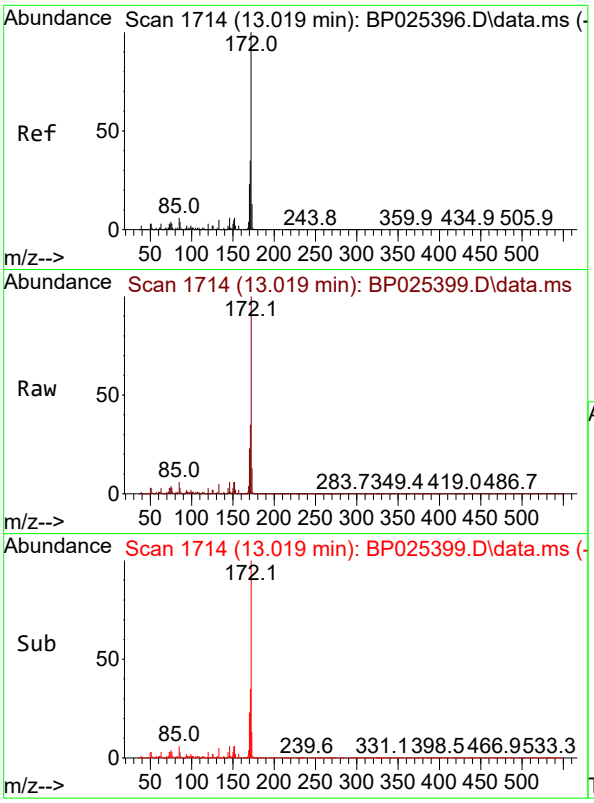


#44
2,4,5-Trichlorophenol
Concen: 81.870 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:196 Resp: 762861

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.2	114.2
97	49.5	41.2	61.8
132	28.2	22.6	34.0

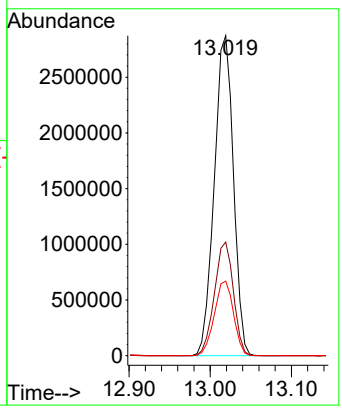




#45
2-Fluorobiphenyl
Concen: 147.705 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:172 Resp: 471259

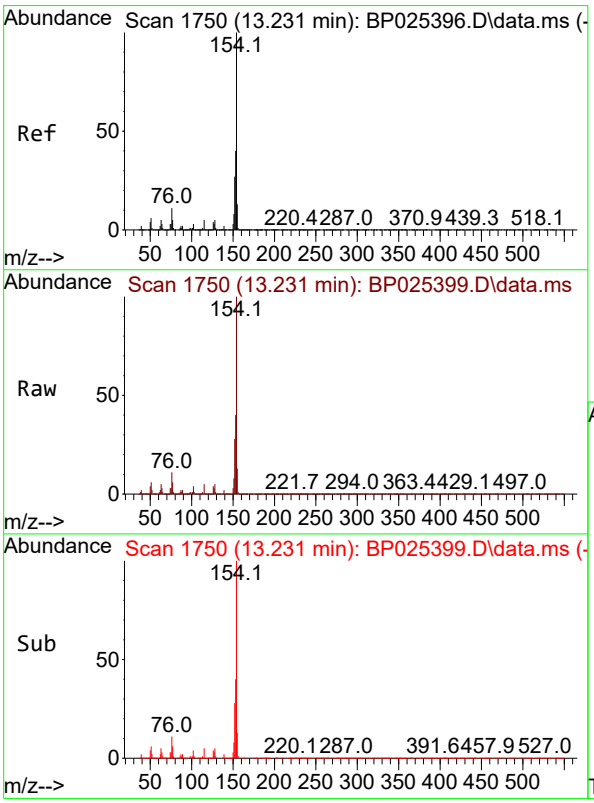
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	23.3	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

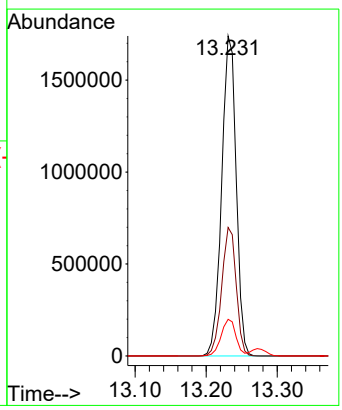
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

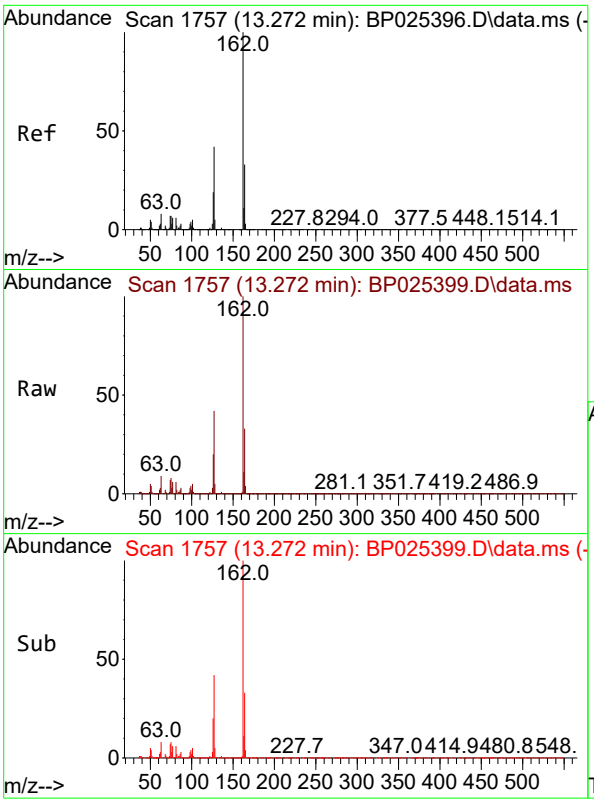


#46
1,1'-Biphenyl
Concen: 77.476 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:154 Resp: 2453536

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.5	59.5
76	11.5	0.0	31.1

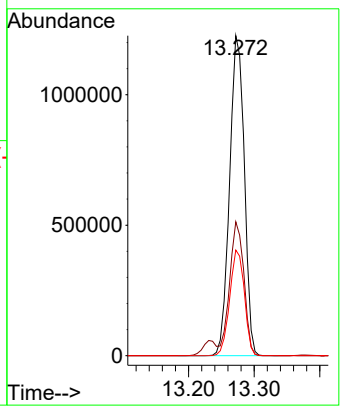




#47
2-Chloronaphthalene
Concen: 77.804 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:162 Resp: 191812

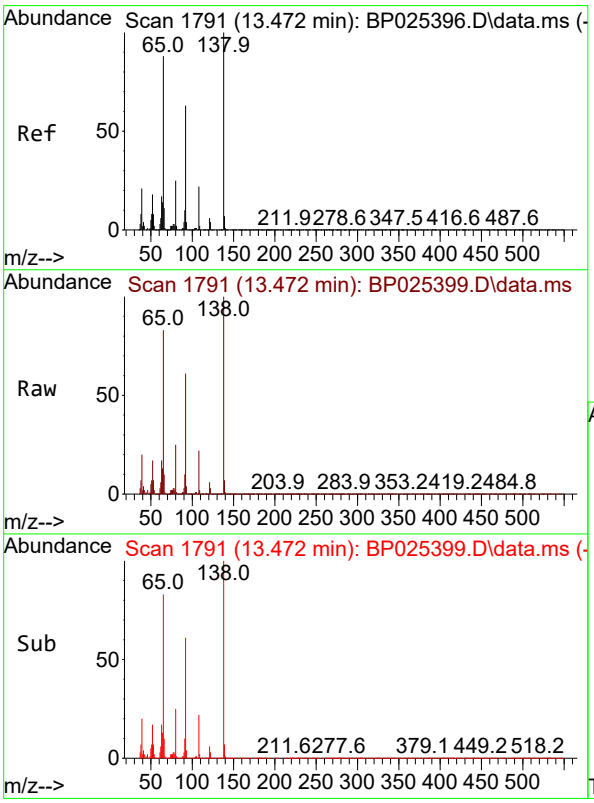
Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.4	50.2
164	33.0	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

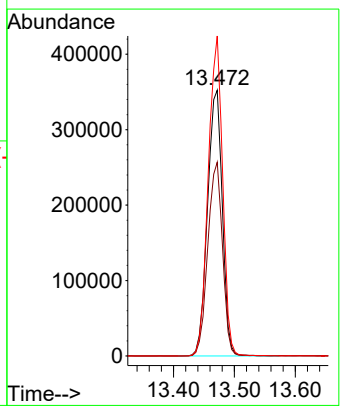
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

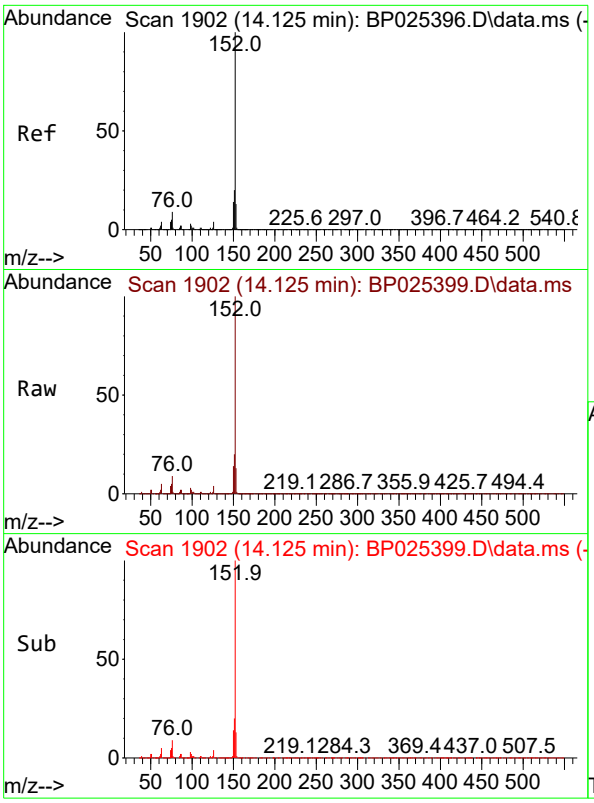


#48
2-Nitroaniline
Concen: 82.788 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 65 Resp: 594696

Ion	Ratio	Lower	Upper
65	100		
92	72.9	57.6	86.4
138	120.4	91.0	136.6

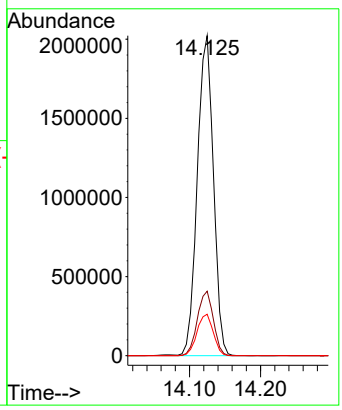




#49
Acenaphthylene
Concen: 78.318 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:152 Resp: 319491

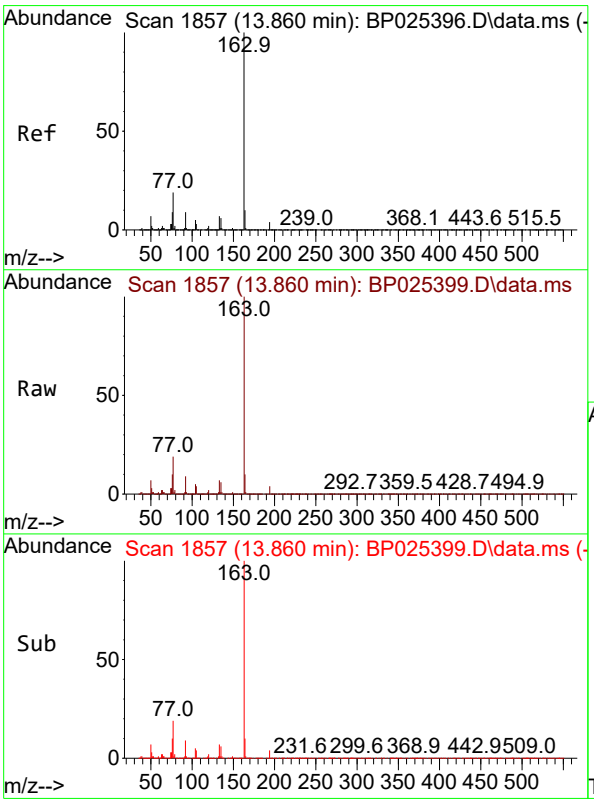
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.0	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

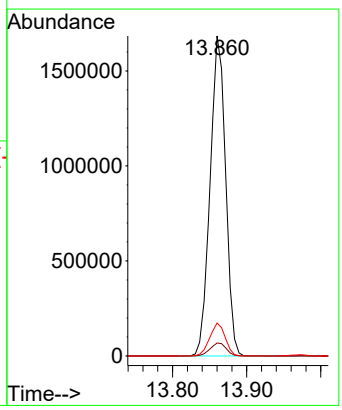
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

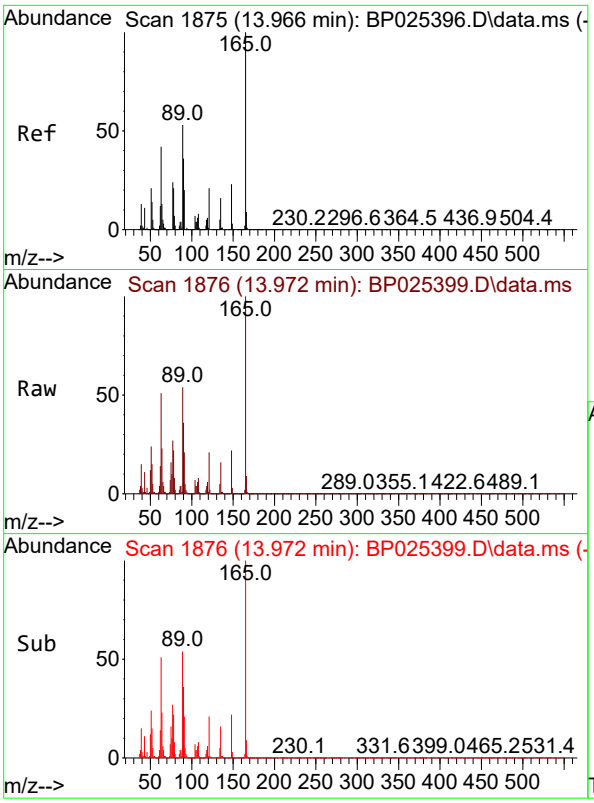


#50
Dimethylphthalate
Concen: 76.632 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:163 Resp: 2446951

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.3	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 80.639 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

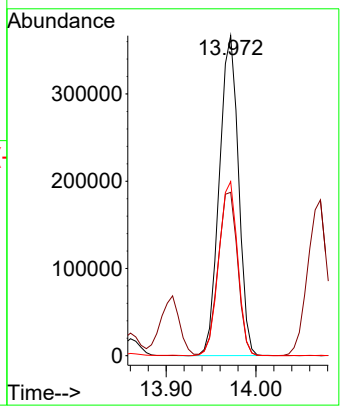
Tgt Ion:165 Resp: 54271

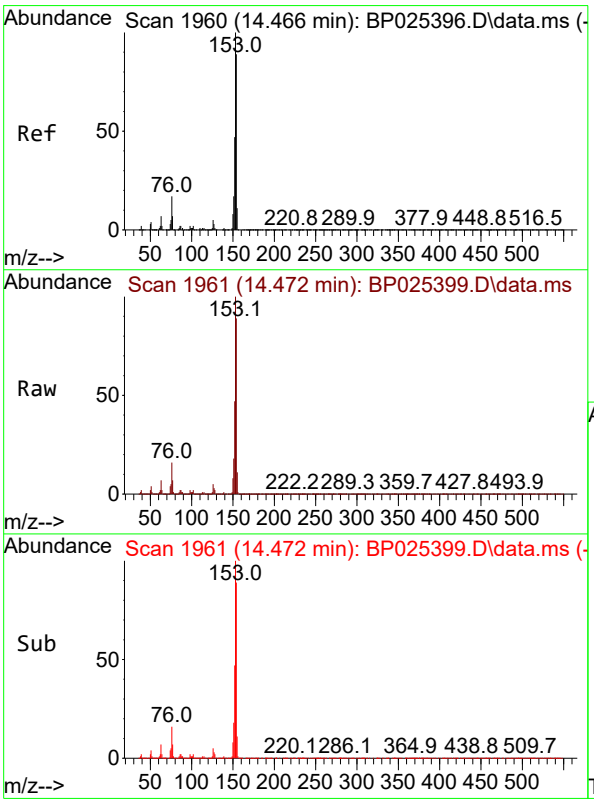
Ion	Ratio	Lower	Upper
165	100		
63	51.0	40.9	61.3
89	54.4	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

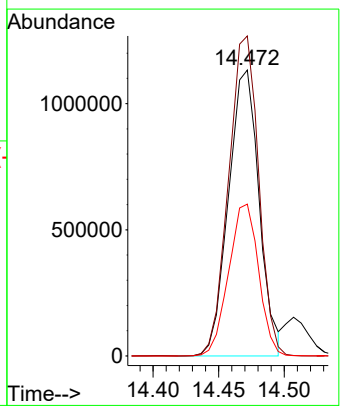


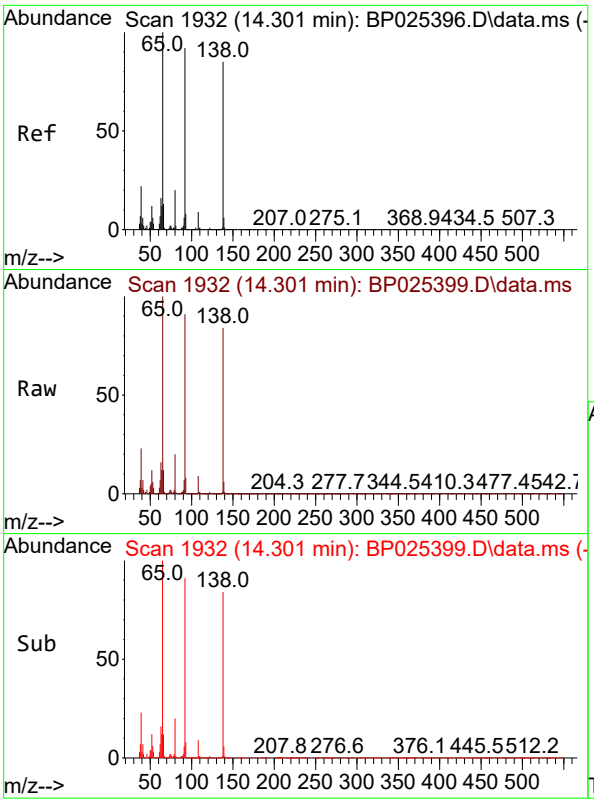


#52
Acenaphthene
Concen: 76.902 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:154 Resp: 1841448

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.2	135.2
152	53.1	42.1	63.1

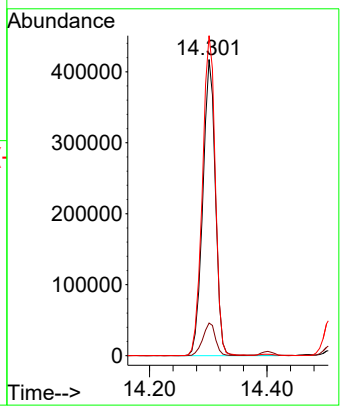




#53
3-Nitroaniline
Concen: 81.627 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:138 Resp: 61808

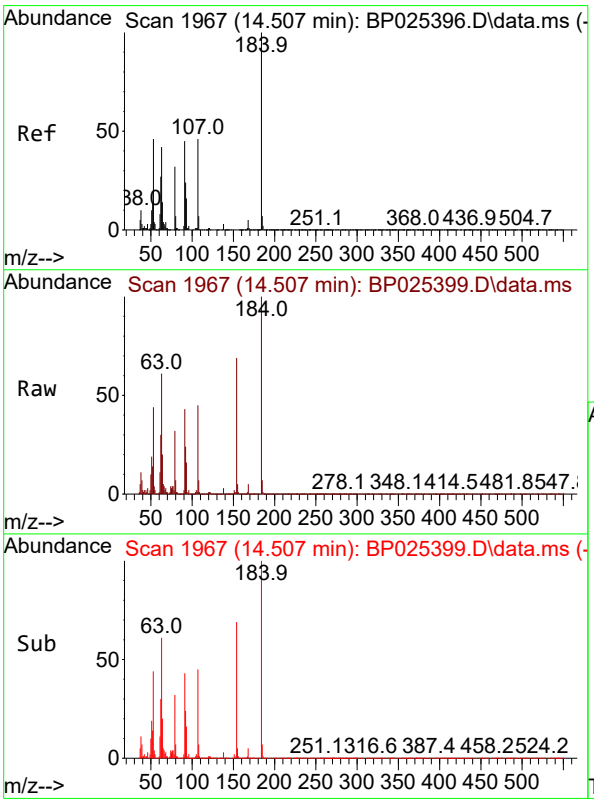
Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	108.1	86.2	129.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

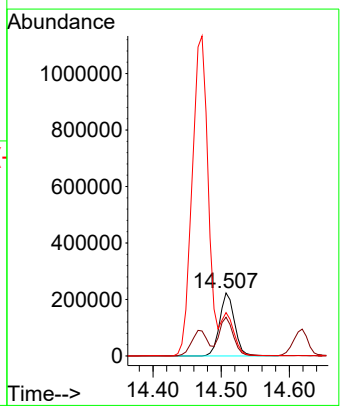
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

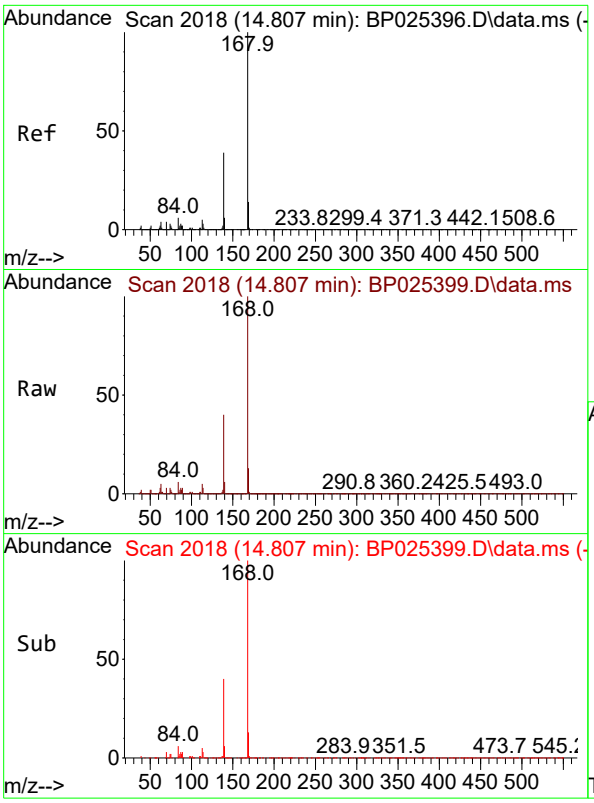


#54
2,4-Dinitrophenol
Concen: 94.356 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:184 Resp: 339125

Ion	Ratio	Lower	Upper
184	100		
63	61.4	49.4	74.2
154	68.6	54.6	82.0





#55
Dibenzofuran
Concen: 77.023 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

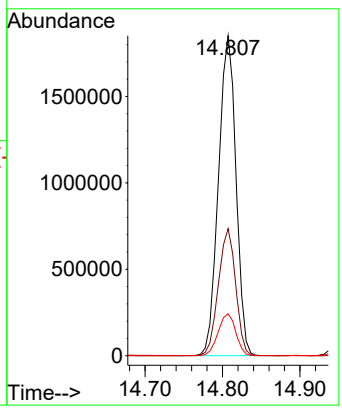
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

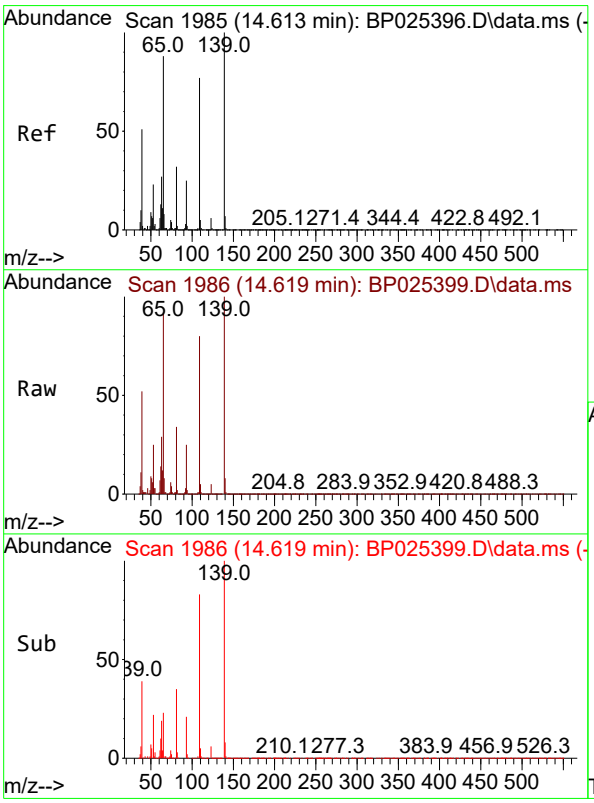
Tgt Ion:168 Resp: 291593

Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.5	47.3
169	13.1	10.9	16.3

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

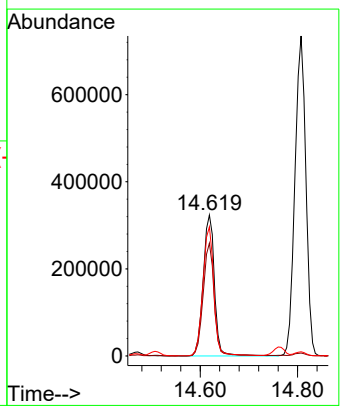


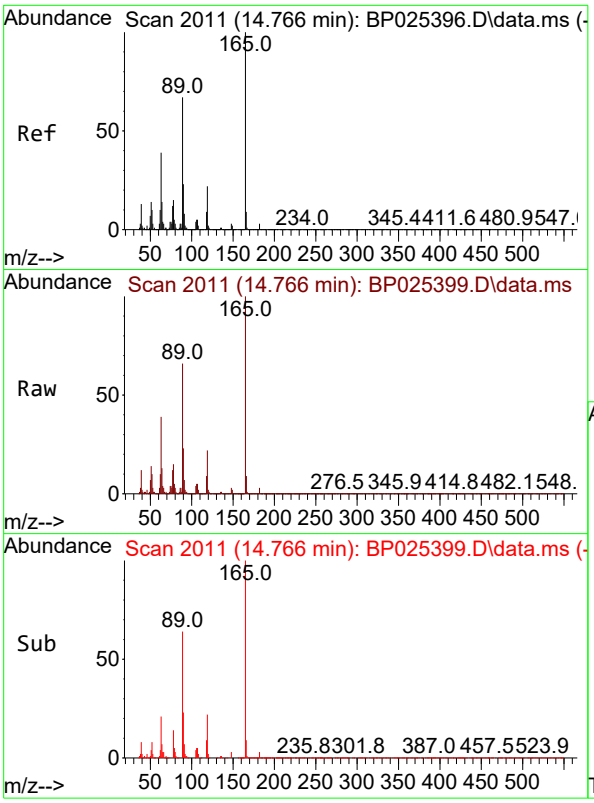


#56
4-Nitrophenol
Concen: 83.618 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:139 Resp: 520294

Ion	Ratio	Lower	Upper
139	100		
109	80.0	56.6	96.6
65	91.5	68.2	108.2

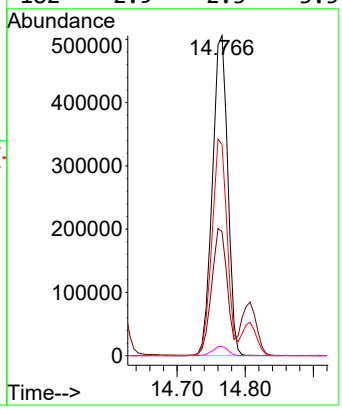




#57
2,4-Dinitrotoluene
Concen: 82.399 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:165 Resp: 79121

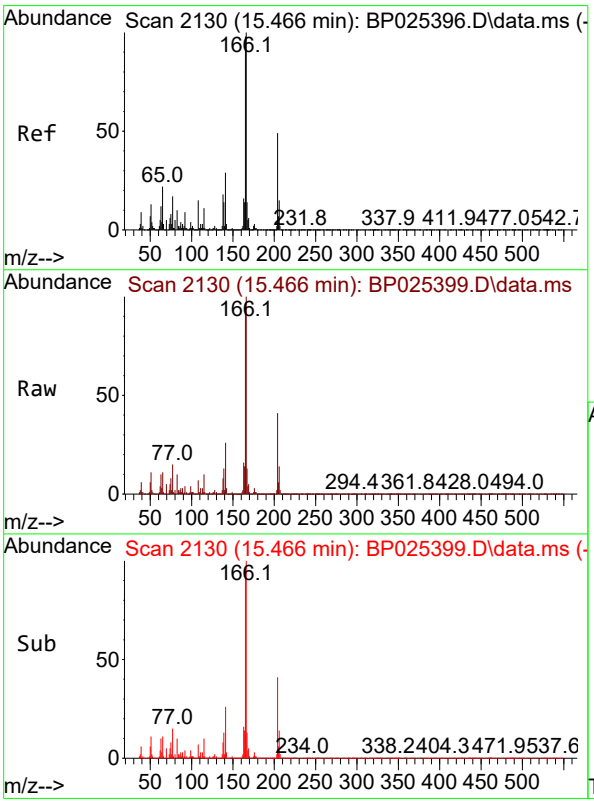
Ion	Ratio	Lower	Upper
165	100		
63	38.7	31.4	47.2
89	66.0	53.3	79.9
182	2.9	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

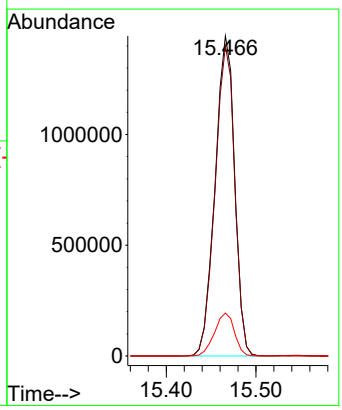
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

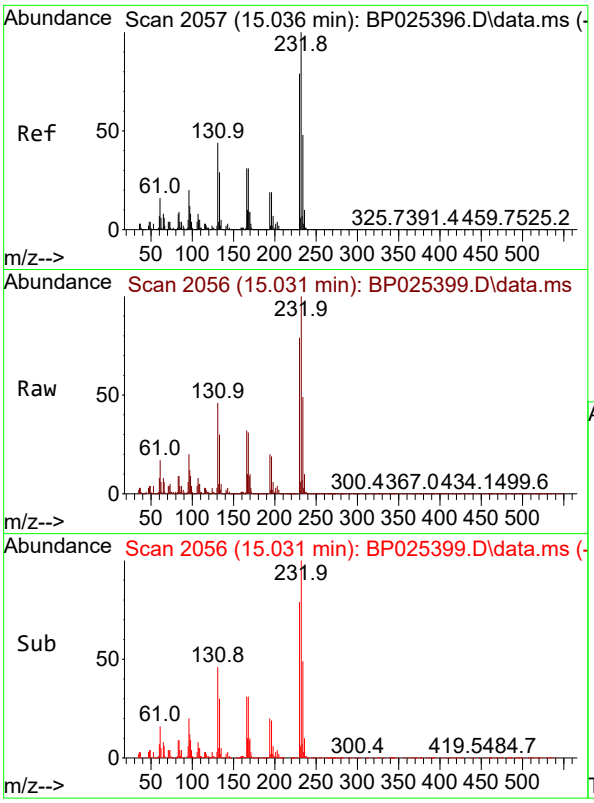


#58
Fluorene
Concen: 73.164 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:166 Resp: 2185593

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.8	118.2
167	13.4	11.0	16.4

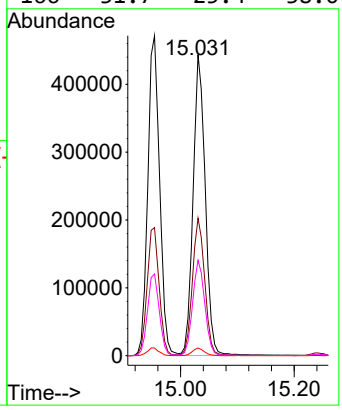




#59
2,3,4,6-Tetrachlorophenol
Concen: 80.448 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:232 Resp: 66189

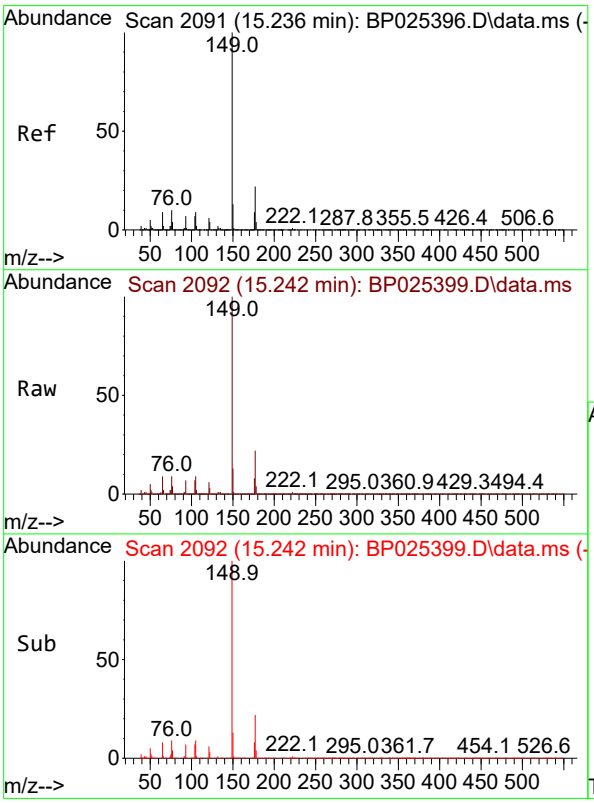
Ion	Ratio	Lower	Upper
232	100		
131	45.9	37.0	55.6
130	2.5	1.9	2.9
166	31.7	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

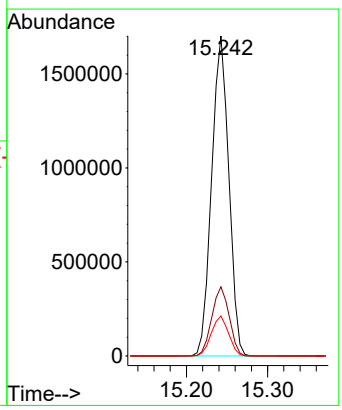
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

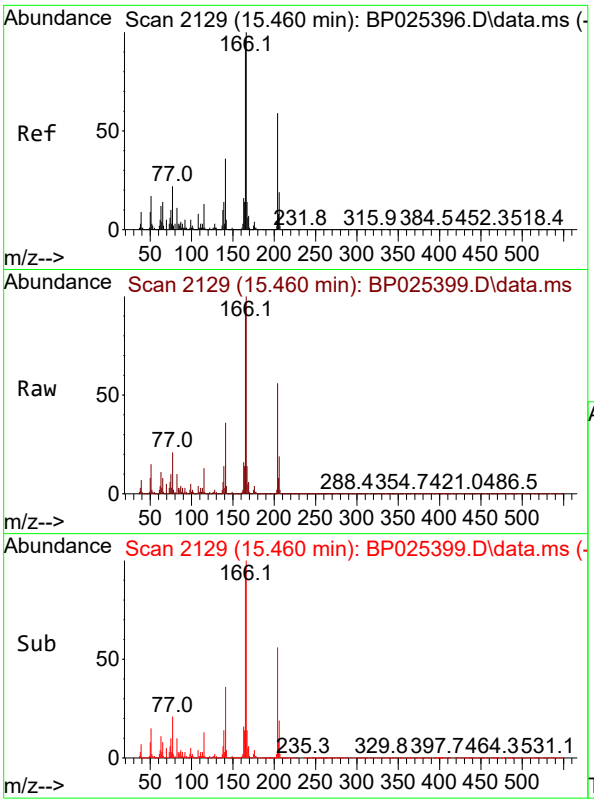


#60
Diethylphthalate
Concen: 76.870 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 2494087

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.5	10.3	15.5

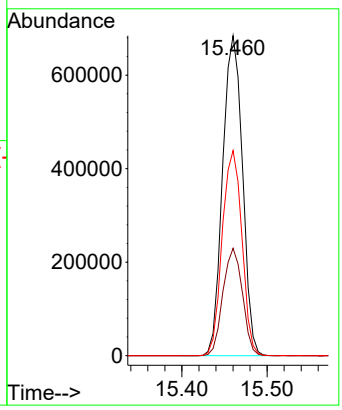




#61
4-Chlorophenyl-phenylether
Concen: 74.388 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:204 Resp: 110515

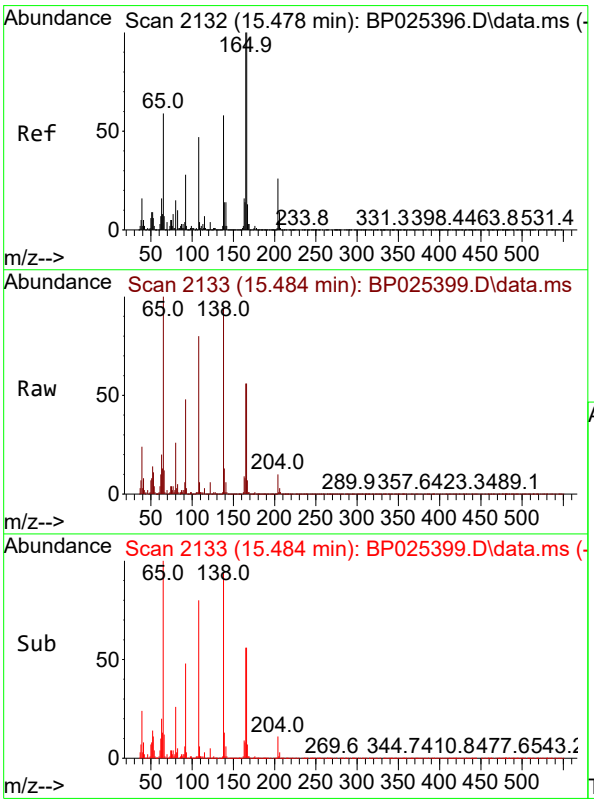
Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.8
141	64.1	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

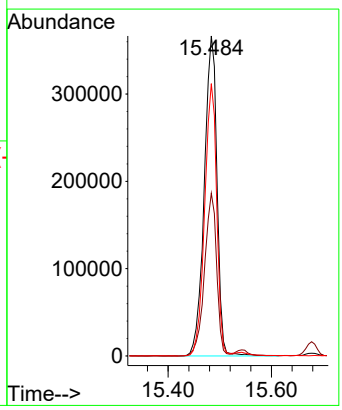
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

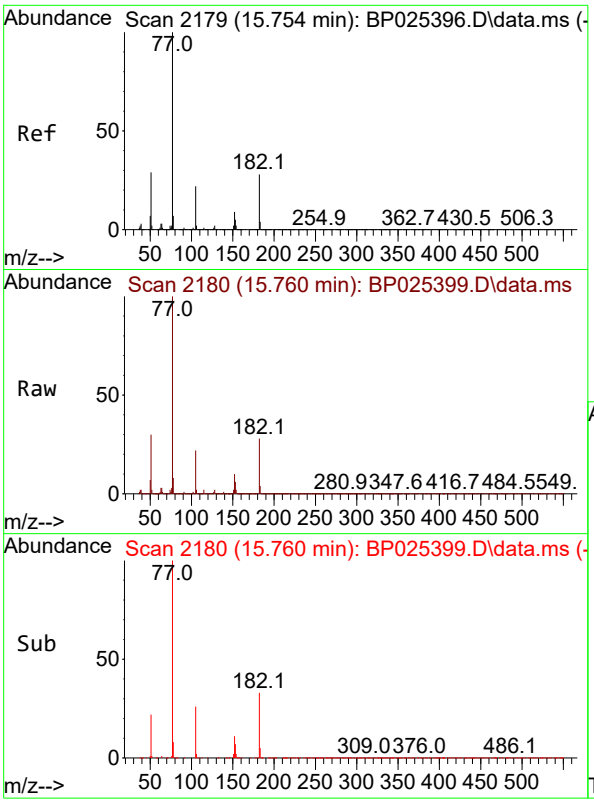


#62
4-Nitroaniline
Concen: 80.710 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:138 Resp: 626525

Ion	Ratio	Lower	Upper
138	100		
92	50.8	29.1	69.1
108	85.1	61.5	101.5

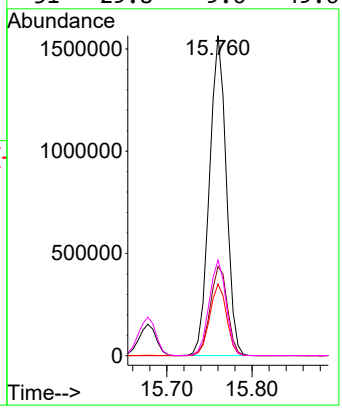




#63
Azobenzene
Concen: 77.017 ng
RT: 15.760 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 77 Resp: 213967

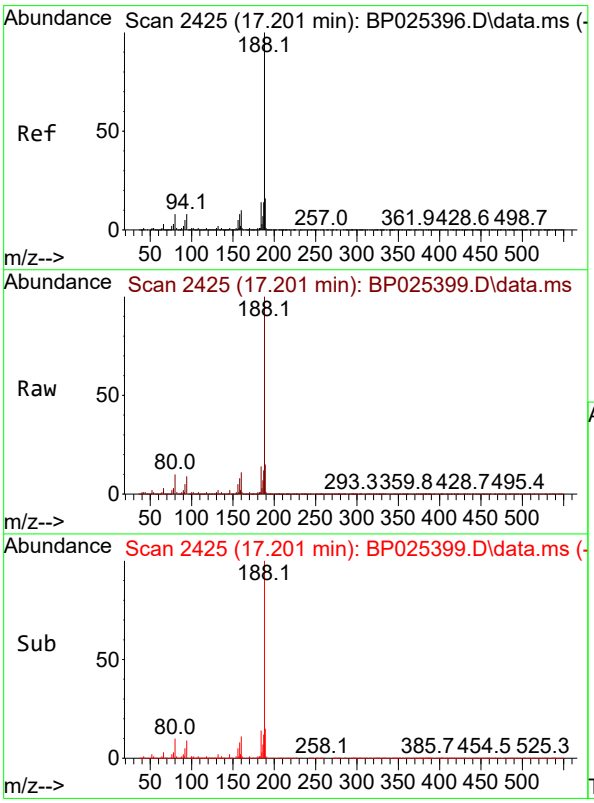
Ion	Ratio	Lower	Upper
77	100		
182	27.9	7.5	47.5
105	22.3	2.1	42.1
51	29.8	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

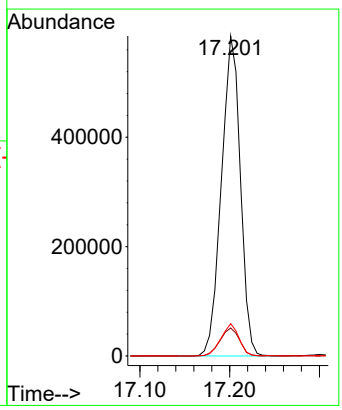
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

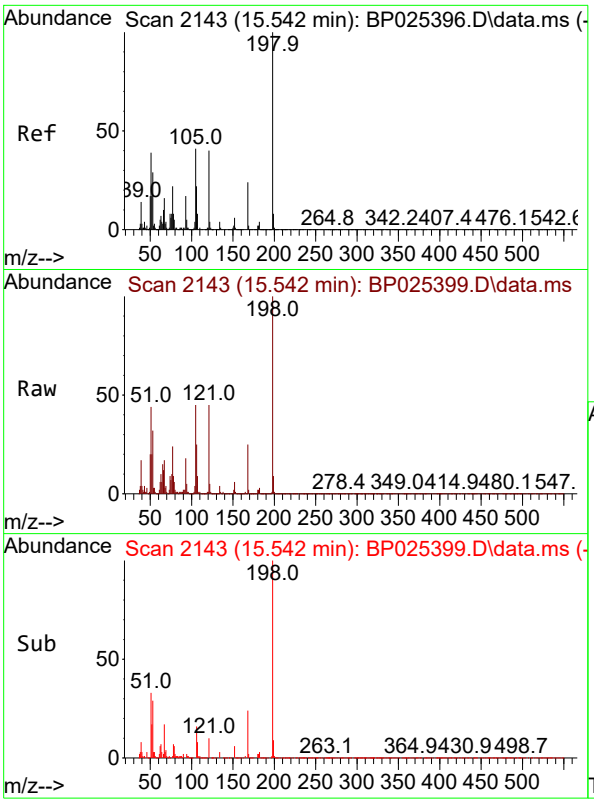


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:188 Resp: 856946

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	10.1	6.7	10.1#

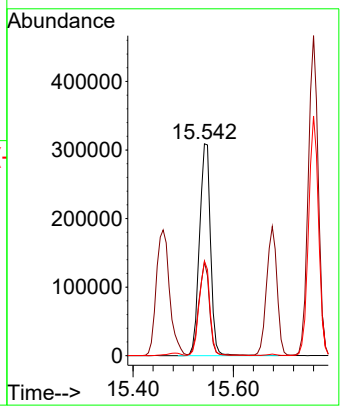




#65
4,6-Dinitro-2-methylphenol
Concen: 88.473 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:198 Resp: 47260

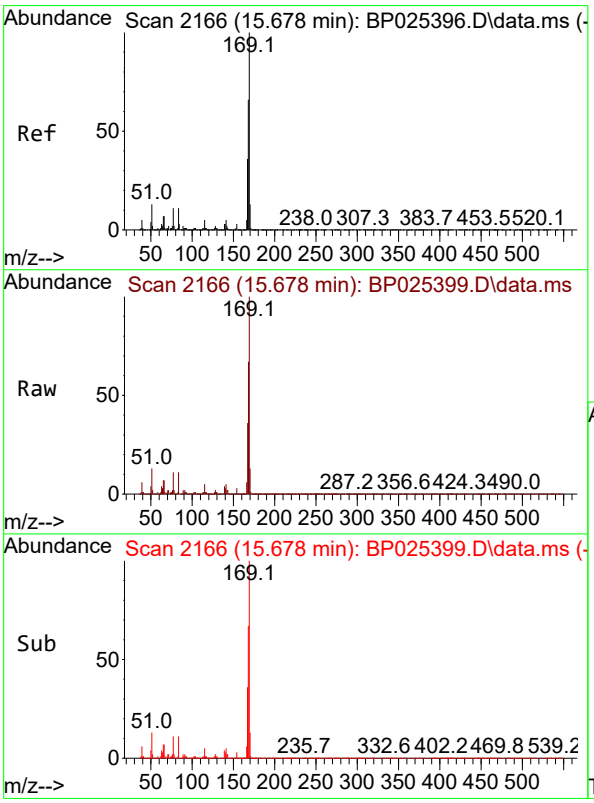
Ion	Ratio	Lower	Upper
198	100		
51	44.3	19.6	59.6
105	44.6	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

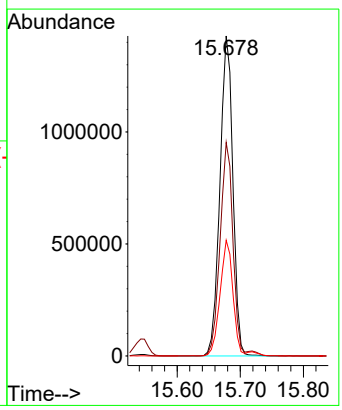
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

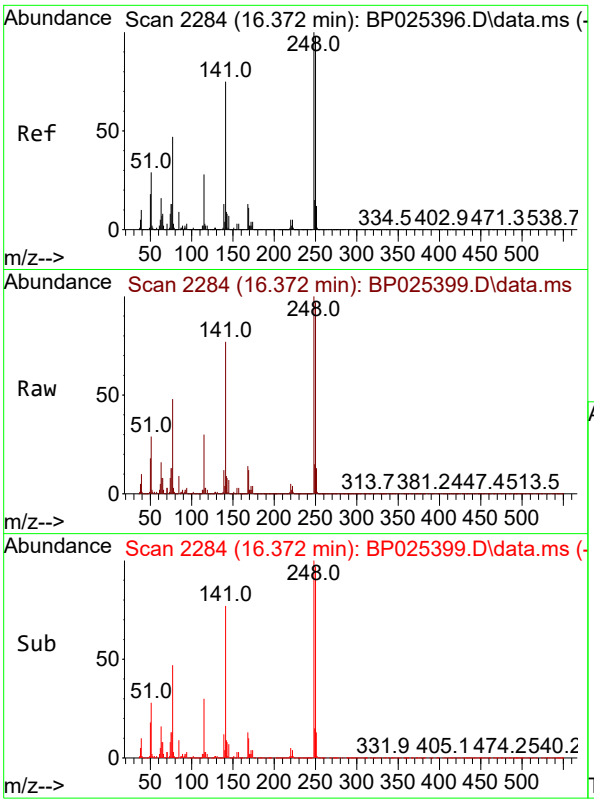


#66
n-Nitrosodiphenylamine
Concen: 77.866 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:169 Resp: 2034782

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	36.2	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 79.144 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

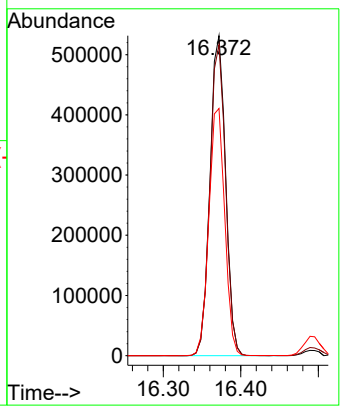
Tgt Ion:248 Resp: 74591

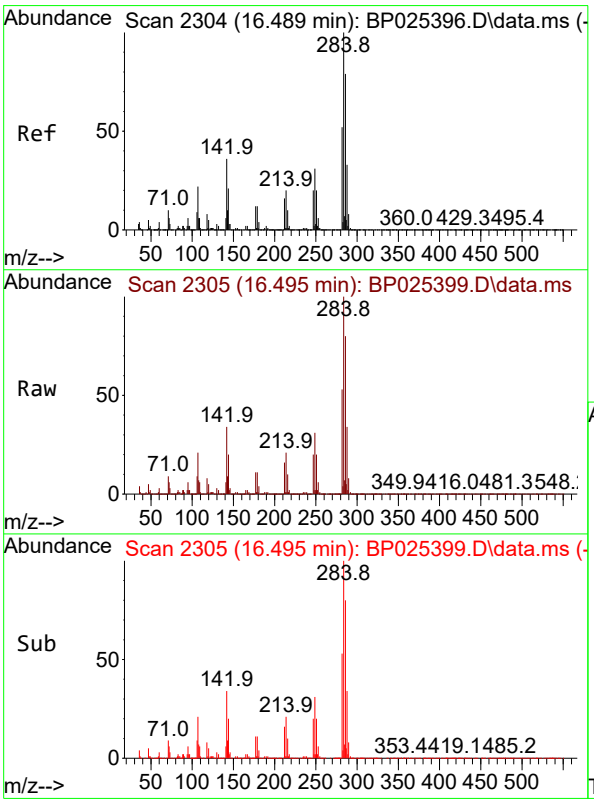
Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.2	117.2
141	77.2	59.6	89.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

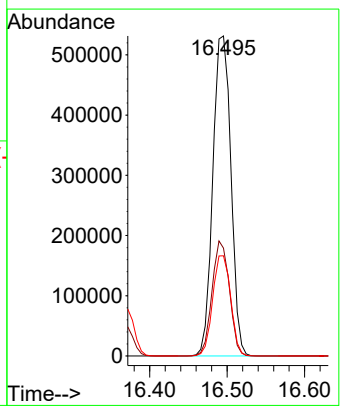


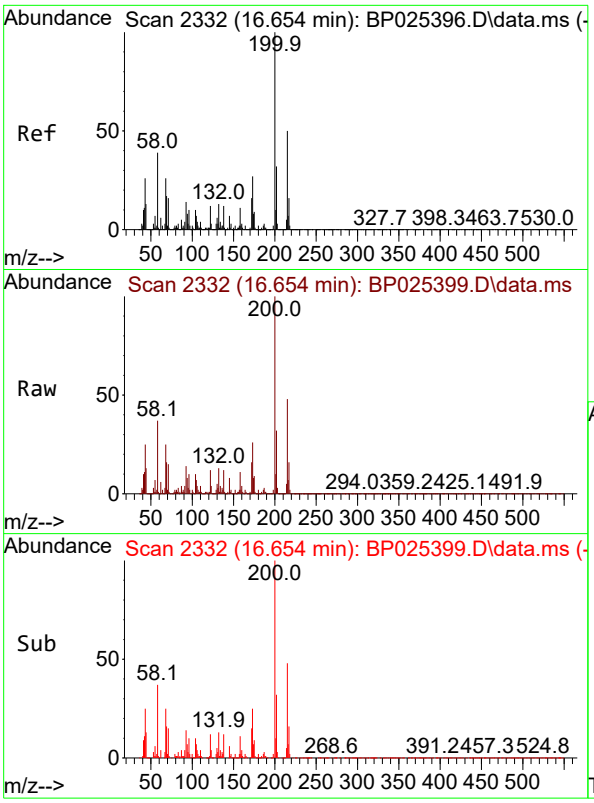


#68
Hexachlorobenzene
Concen: 78.721 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:284 Resp: 860051

Ion	Ratio	Lower	Upper
284	100		
142	33.7	29.1	43.7
249	31.3	25.0	37.4

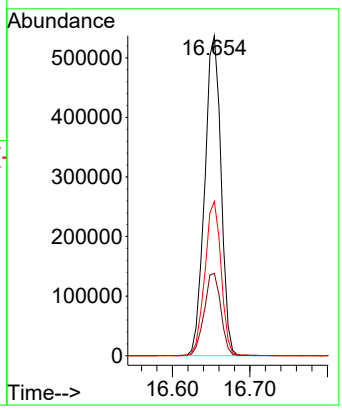




#69
Atrazine
Concen: 80.064 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:200 Resp: 78353

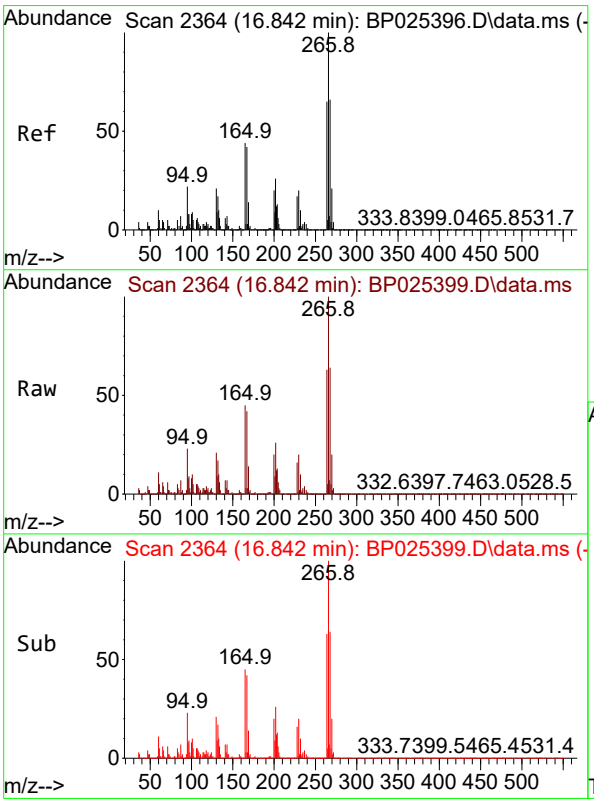
Ion	Ratio	Lower	Upper
200	100		
173	25.7	6.7	46.7
215	48.2	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

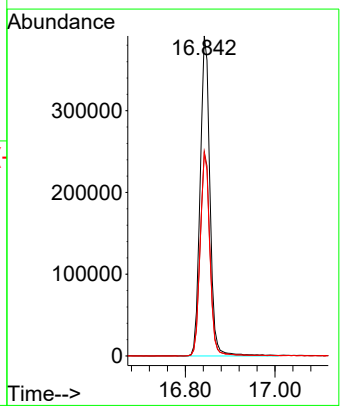
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

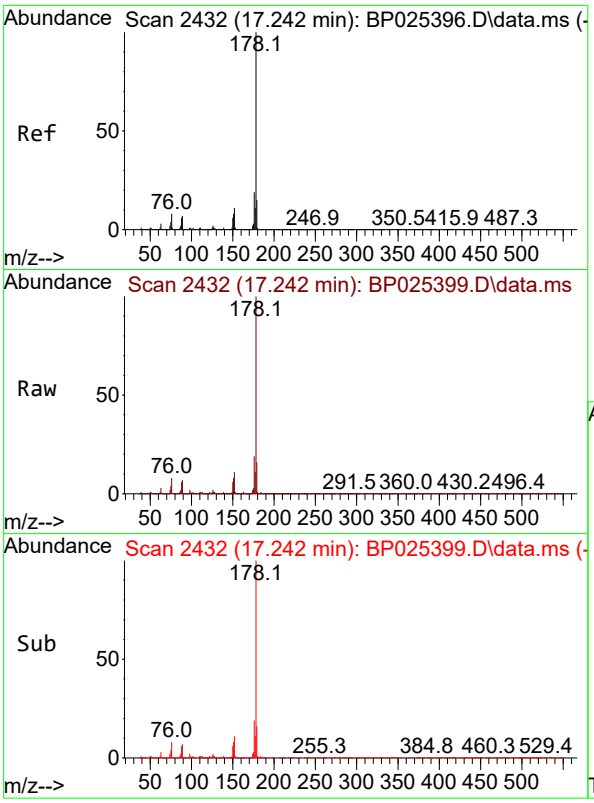


#70
Pentachlorophenol
Concen: 85.502 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:266 Resp: 589673

Ion	Ratio	Lower	Upper
266	100		
268	63.8	52.6	79.0
264	63.4	52.0	78.0

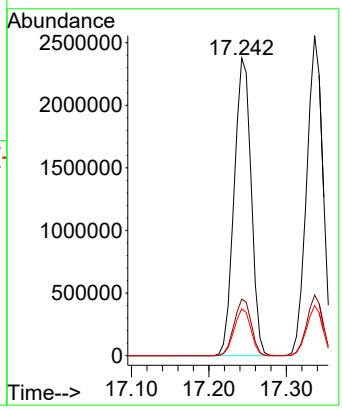




#71
Phenanthrene
Concen: 76.972 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:178 Resp: 362345

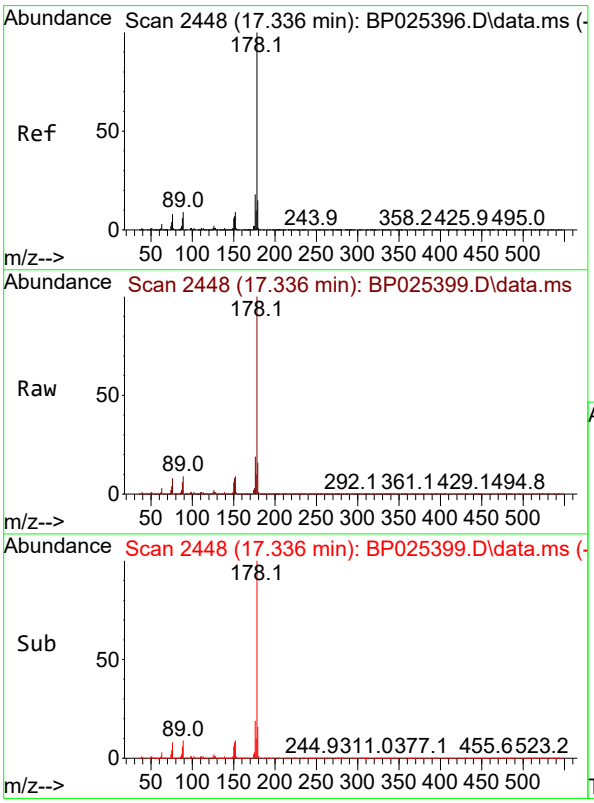
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.7	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

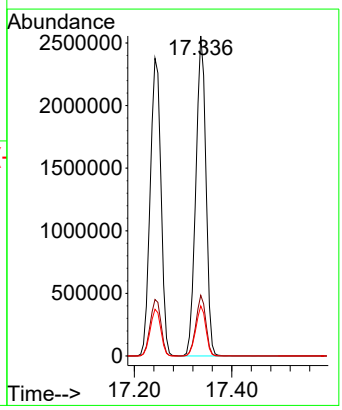
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

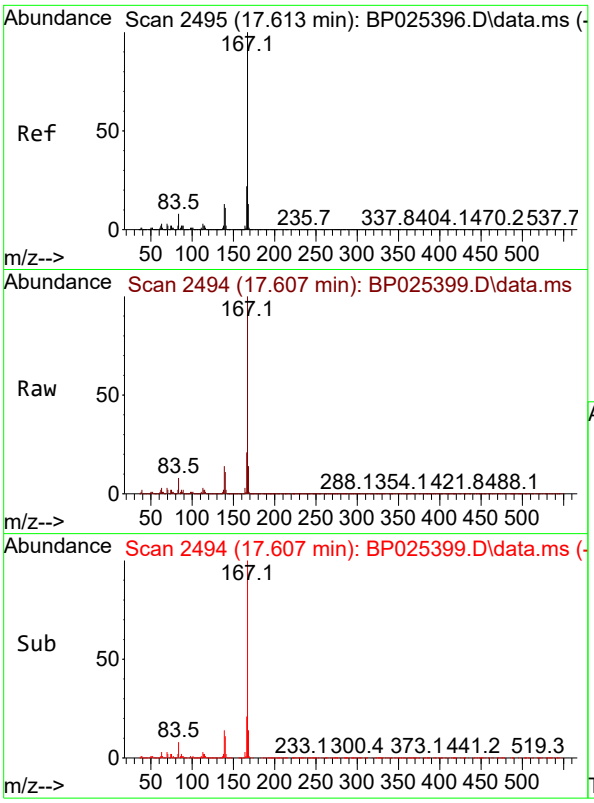


#72
Anthracene
Concen: 77.014 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:178 Resp: 3702277

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.2	18.2

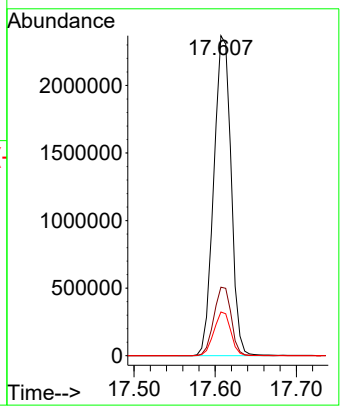




#73
Carbazole
Concen: 77.368 ng
RT: 17.607 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:167 Resp: 350327

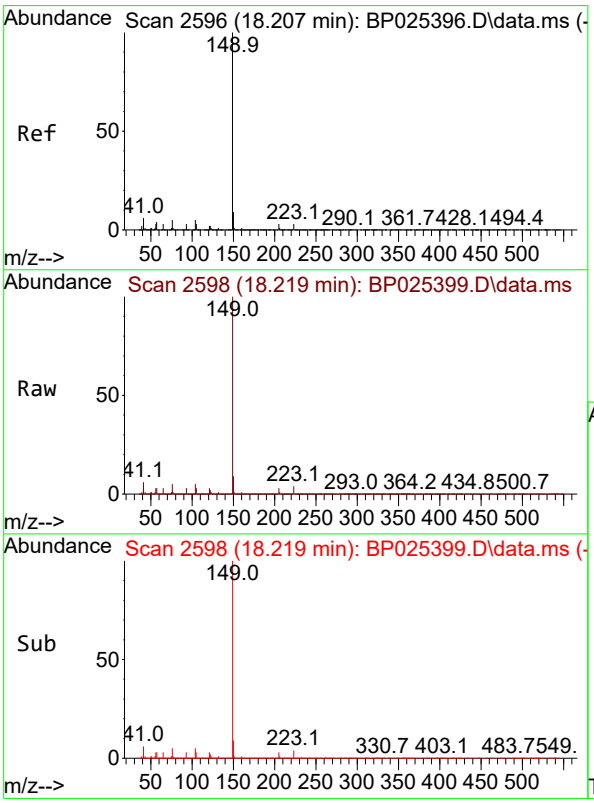
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.7	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

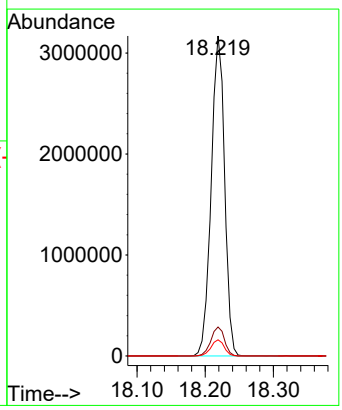
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

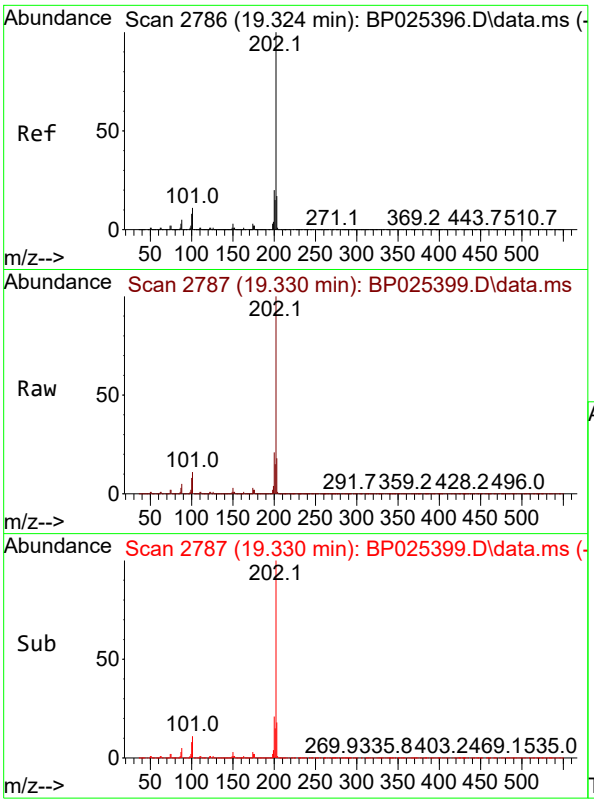


#74
Di-n-butylphthalate
Concen: 77.844 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 4336701

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.0	4.2	6.2





#75
Fluoranthene
Concen: 76.815 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

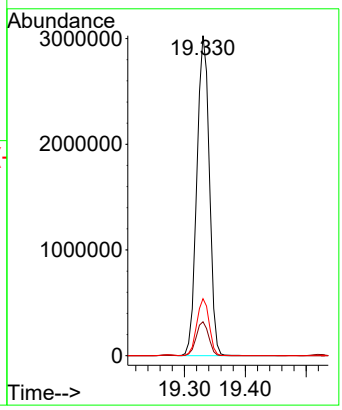
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

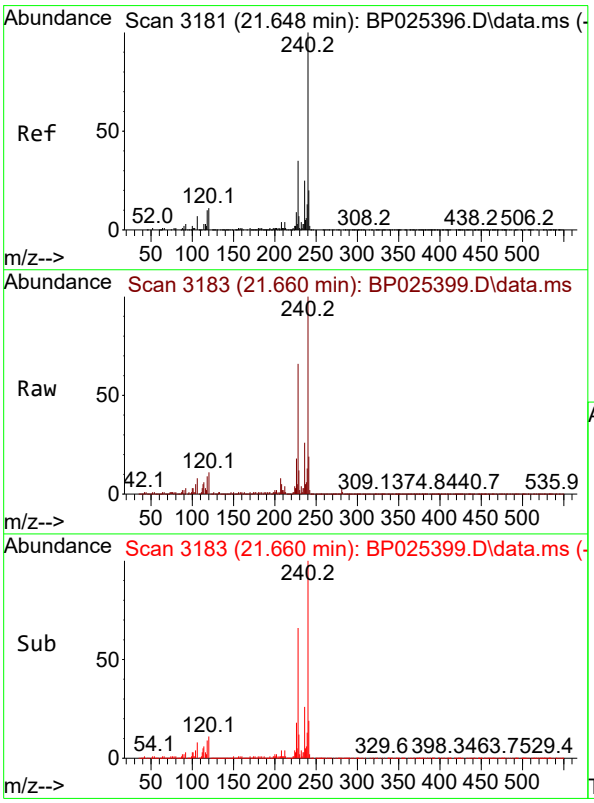
Tgt Ion:202 Resp: 431330

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.1
203	17.8	0.0	37.3

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

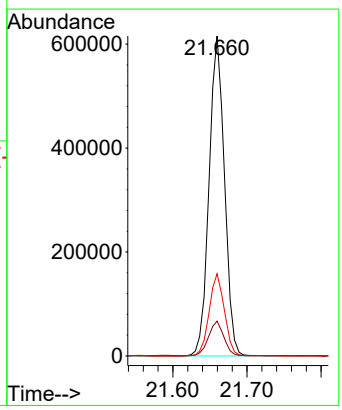


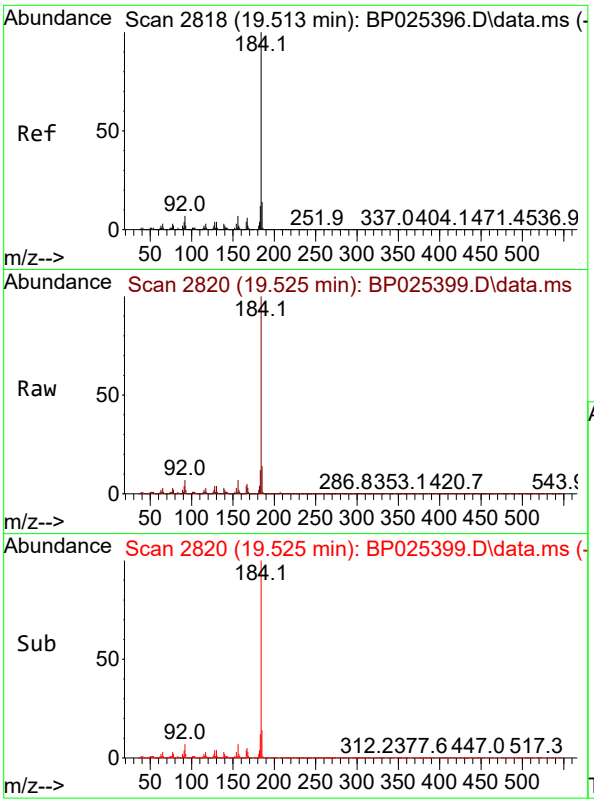


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:240 Resp: 888879

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.7	19.8	29.8

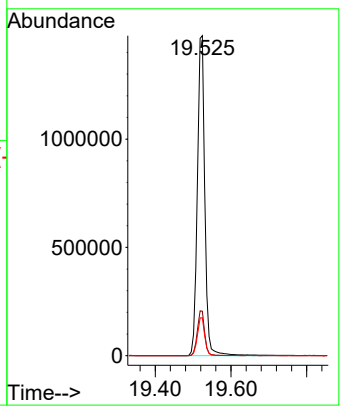




#77
Benzidine
Concen: 67.124 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:184 Resp: 203624

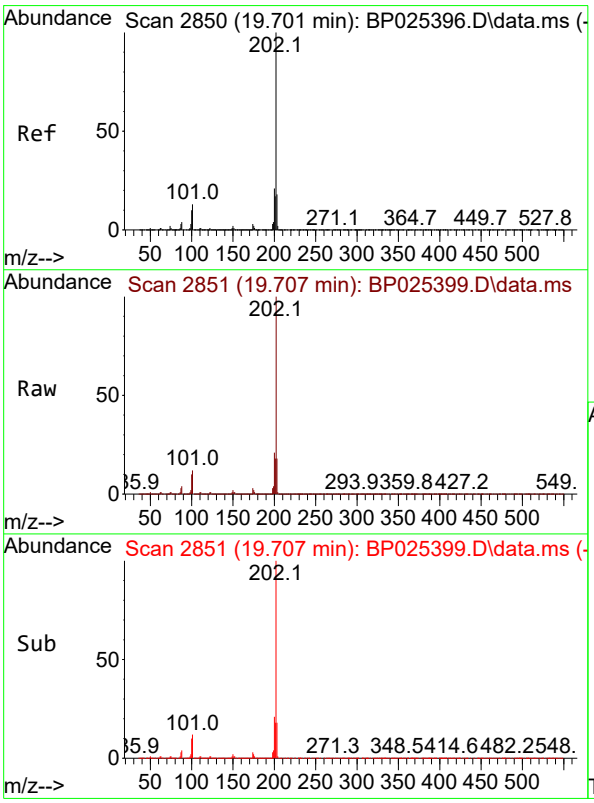
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.9	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

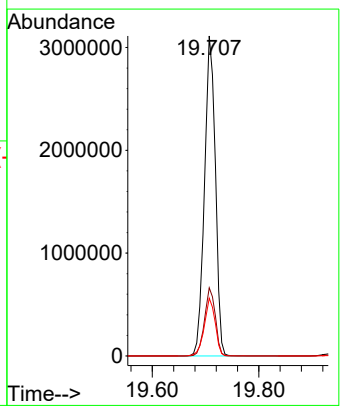
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

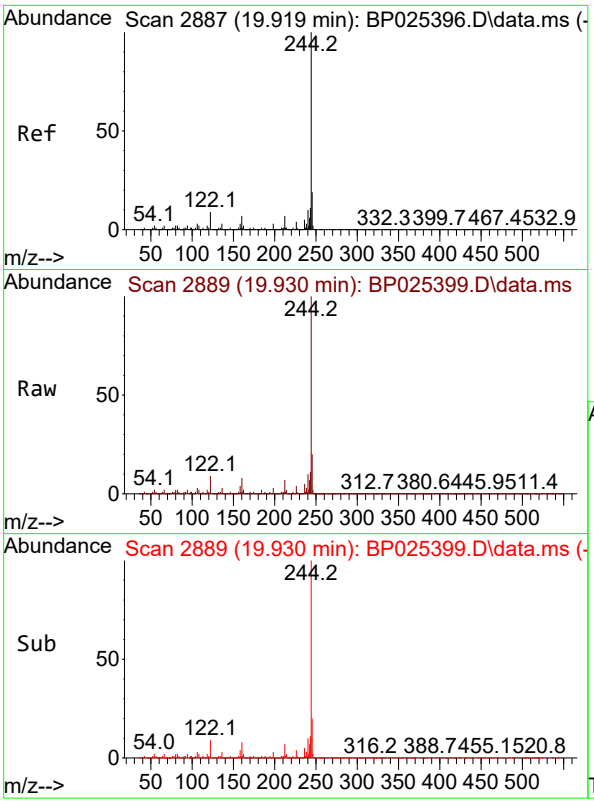


#78
Pyrene
Concen: 76.343 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:202 Resp: 4410693

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	18.1	14.2	21.2

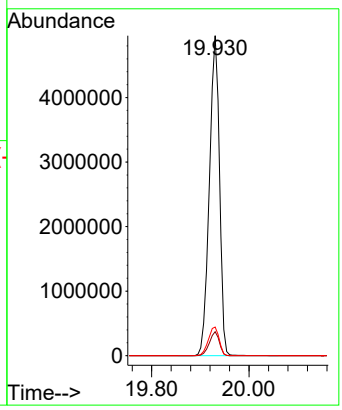




#79
Terphenyl-d14
Concen: 146.217 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:244 Resp: 710381

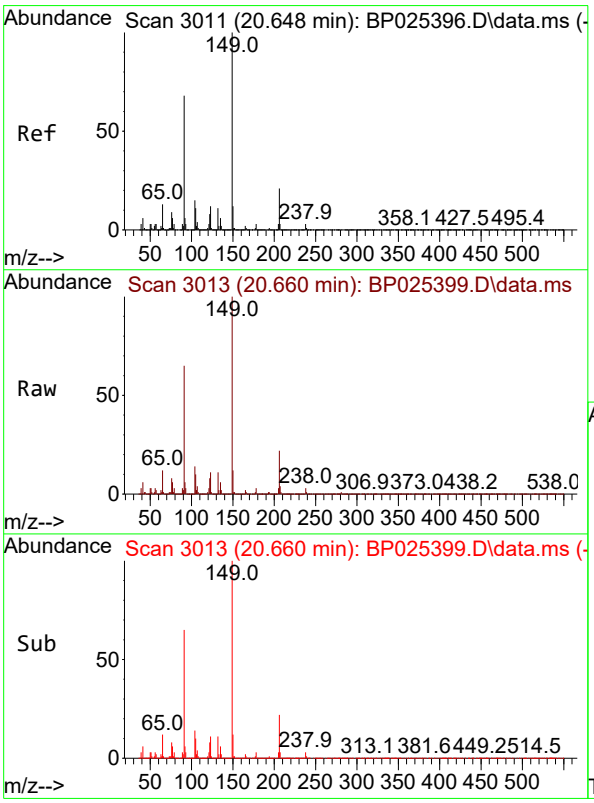
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.0	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

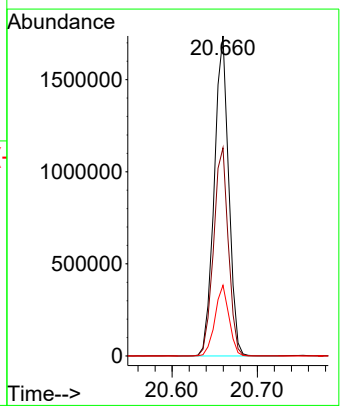
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

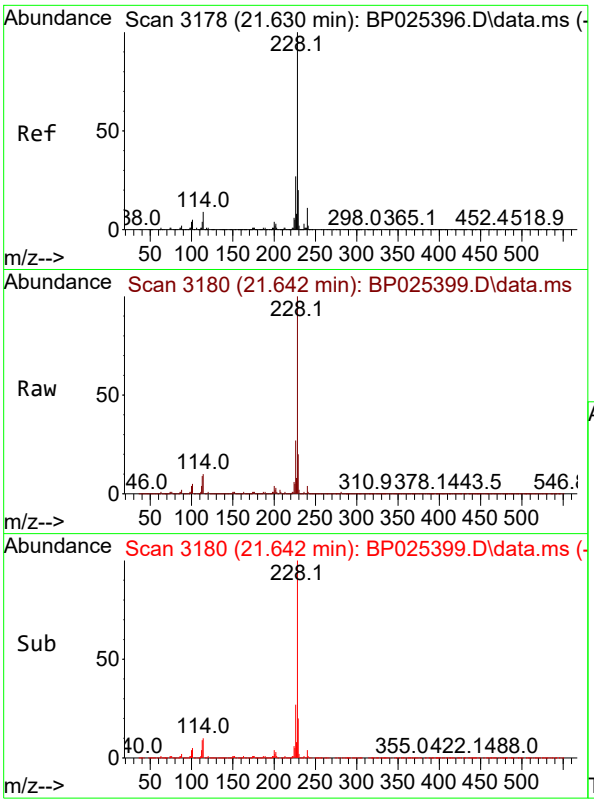


#80
Butylbenzylphthalate
Concen: 78.460 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 2054404

Ion	Ratio	Lower	Upper
149	100		
91	65.0	54.2	81.2
206	22.1	16.6	24.8

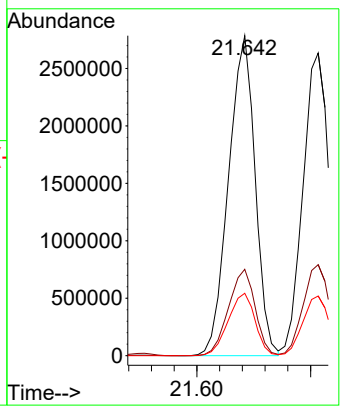




#81
Benzo(a)anthracene
Concen: 77.322 ng
RT: 21.642 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:228 Resp: 453276

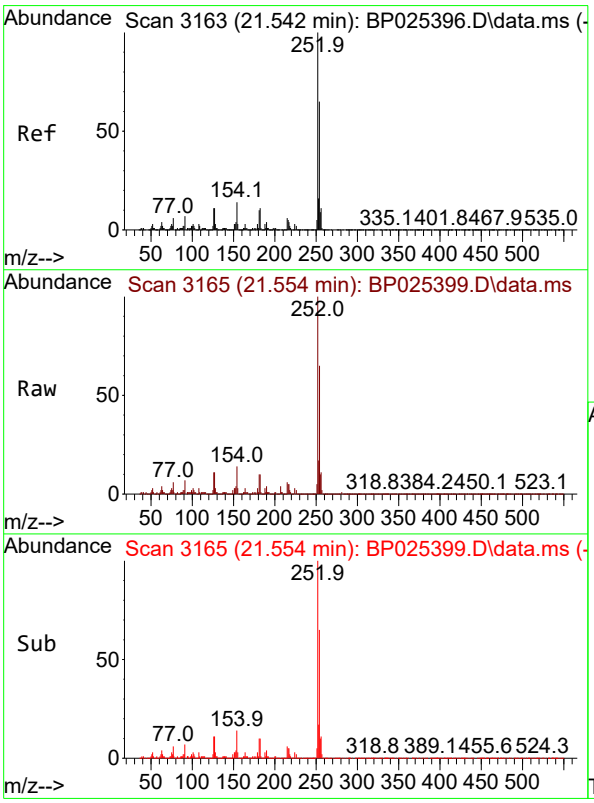
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

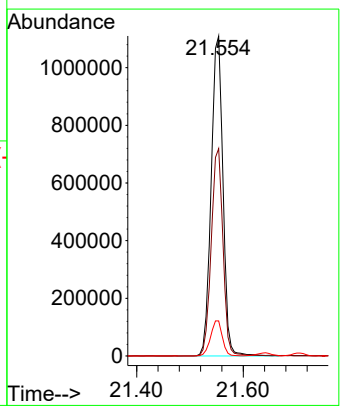
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

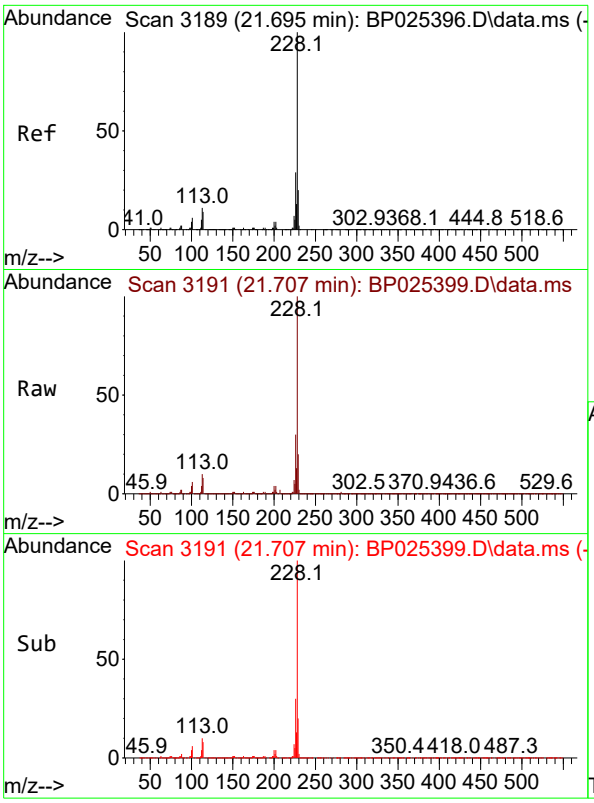


#82
3,3'-Dichlorobenzidine
Concen: 77.197 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 1705746

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.6
126	11.0	9.1	13.7

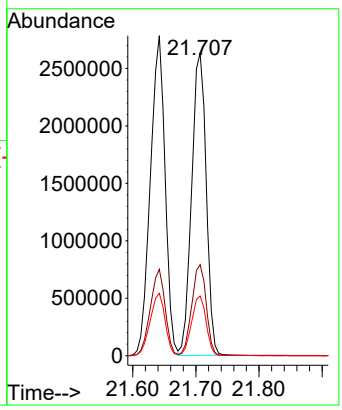




#83
Chrysene
Concen: 76.835 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:228 Resp: 421816

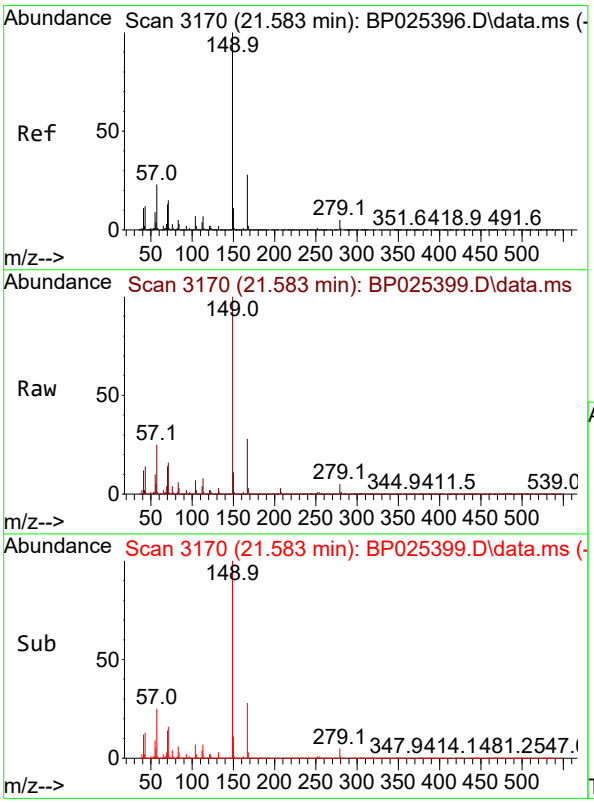
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.2	34.8
229	19.7	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

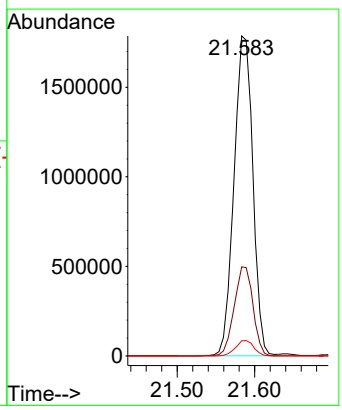
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

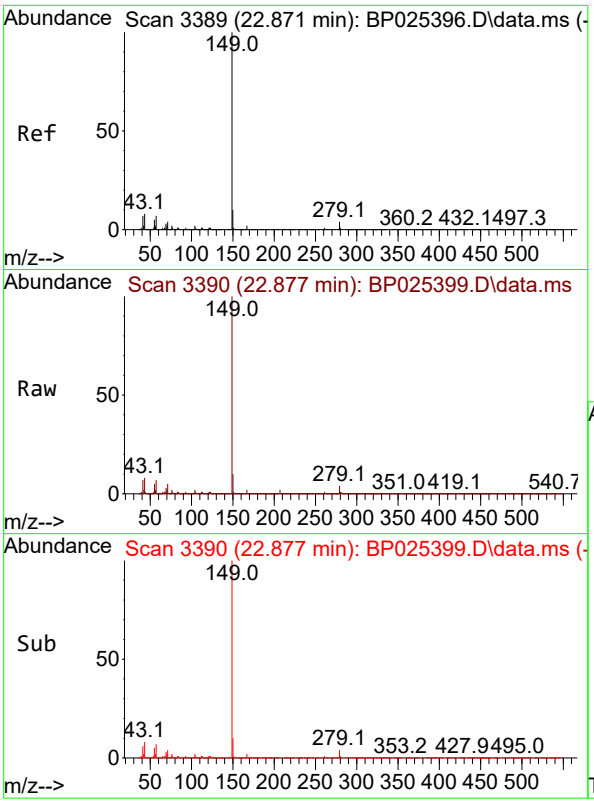


#84
Bis(2-ethylhexyl)phthalate
Concen: 78.400 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 3021891

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	4.8	3.8	5.6

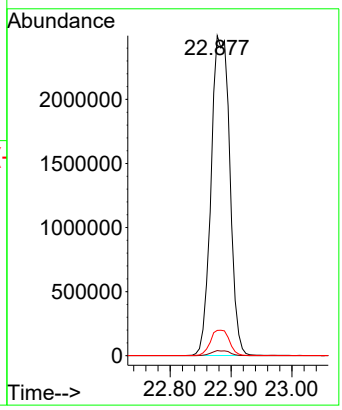




#85
Di-n-octyl phthalate
Concen: 79.974 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 530208

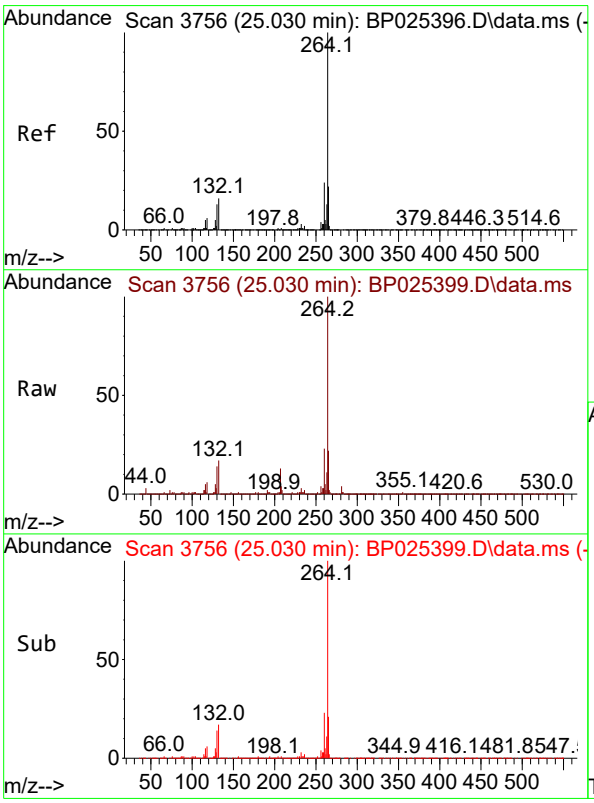
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

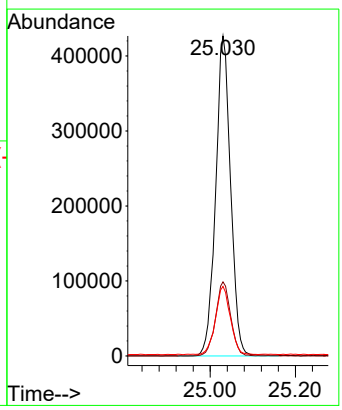
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

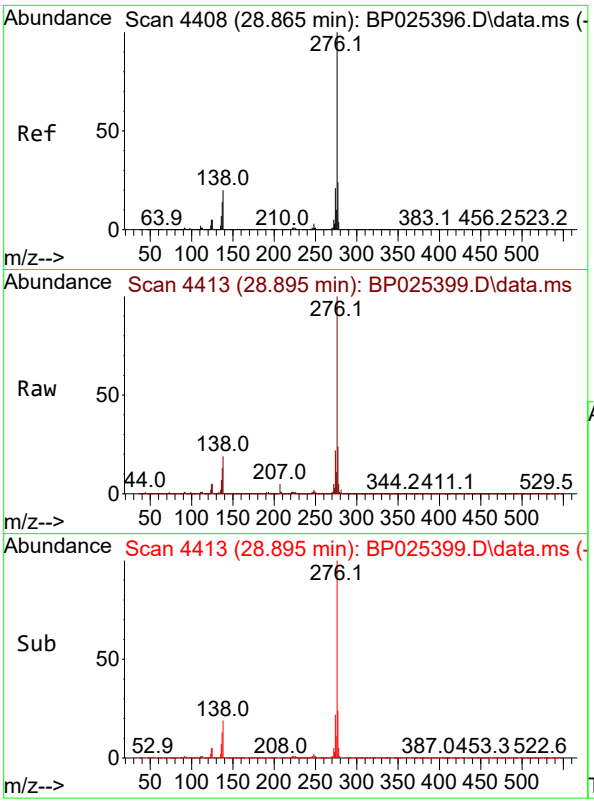


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:264 Resp: 1037707

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	21.8	17.4	26.0

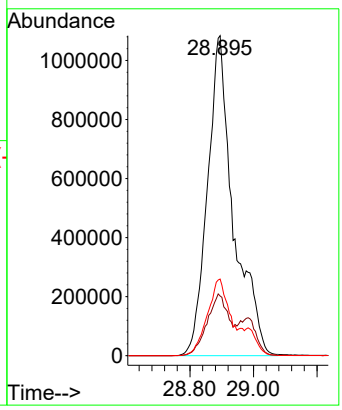




#87
Indeno(1,2,3-cd)pyrene
Concen: 81.030 ng m
RT: 28.895 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:276 Resp: 616857

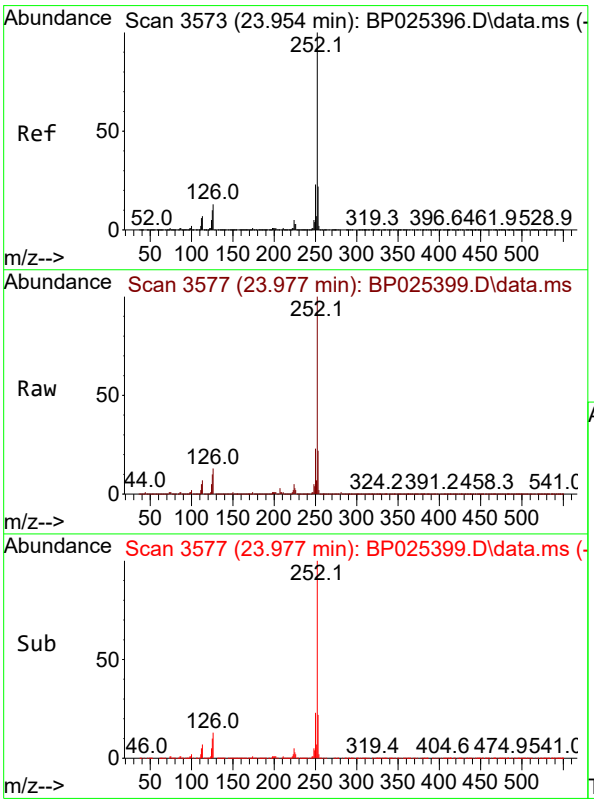
Ion	Ratio	Lower	Upper
276	100		
138	16.9	12.9	19.3
277	20.5	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

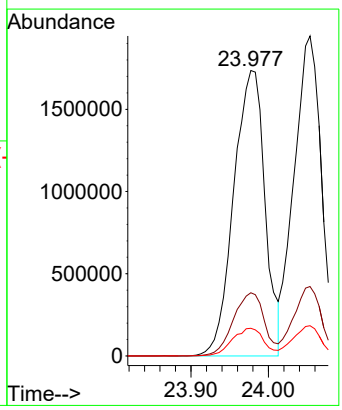
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

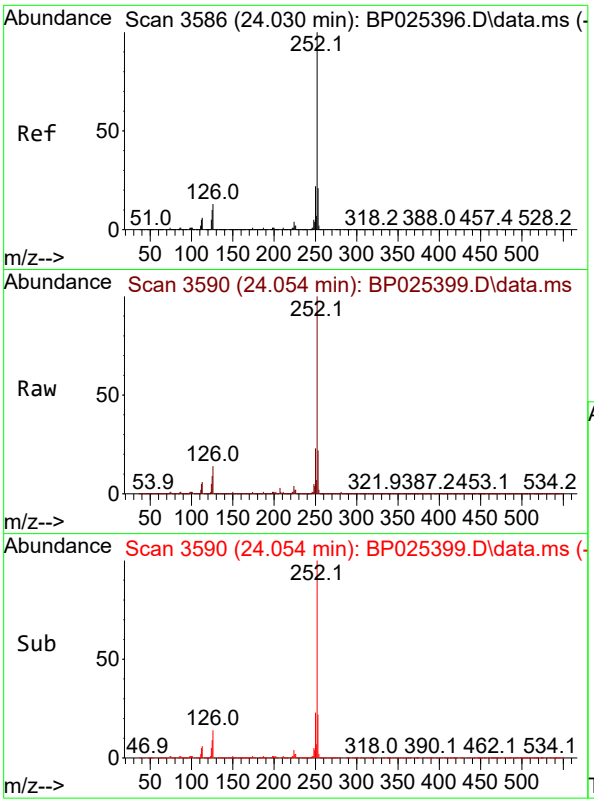


#88
Benzo(b)fluoranthene
Concen: 79.692 ng
RT: 23.977 min Scan# 3577
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 4876398

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.7	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 77.323 ng
RT: 24.054 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

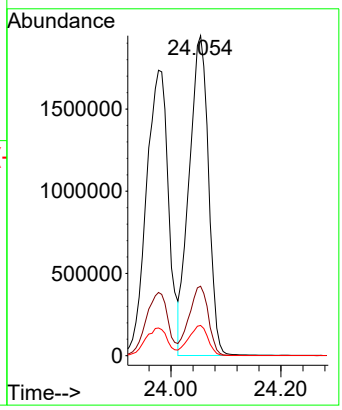
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

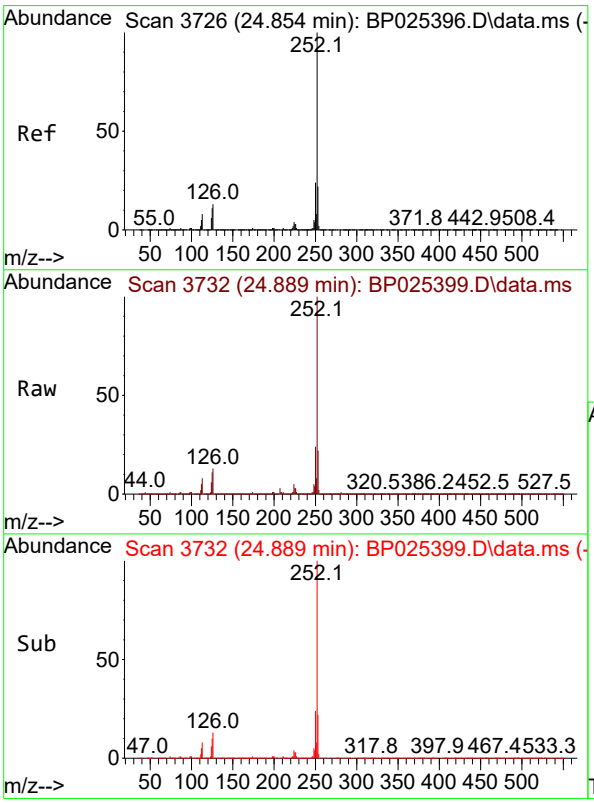
Tgt Ion:252 Resp: 473463

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.5	7.8	11.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

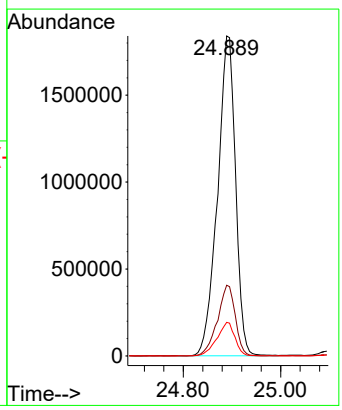


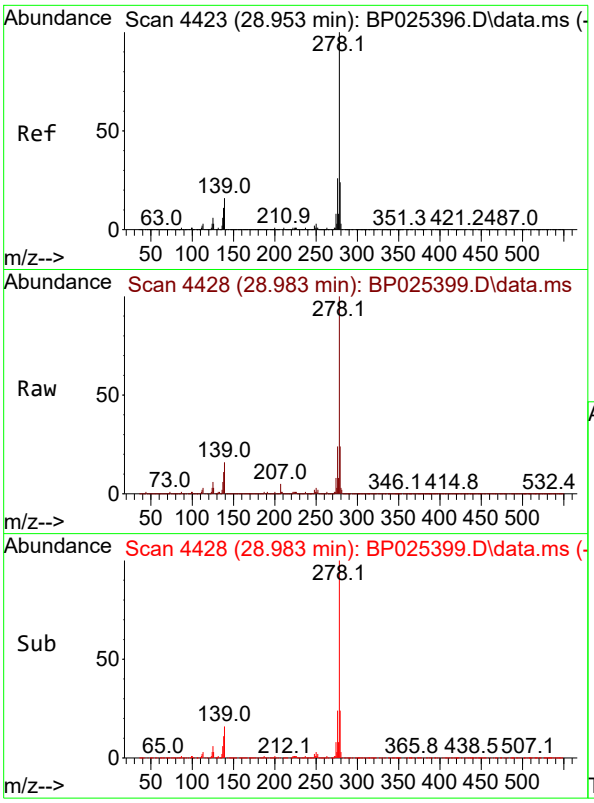


#90
Benzo(a)pyrene
Concen: 79.505 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.035 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 4735685

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.5	8.7	13.1

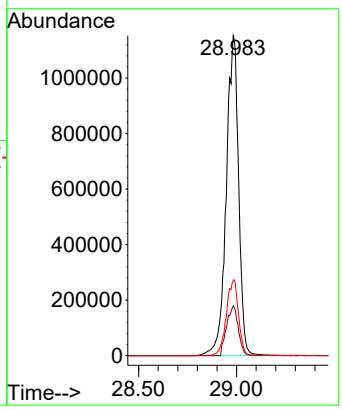




#91
Dibenzo(a,h)anthracene
Concen: 81.142 ng
RT: 28.983 min Scan# 44
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:278 Resp: 504626

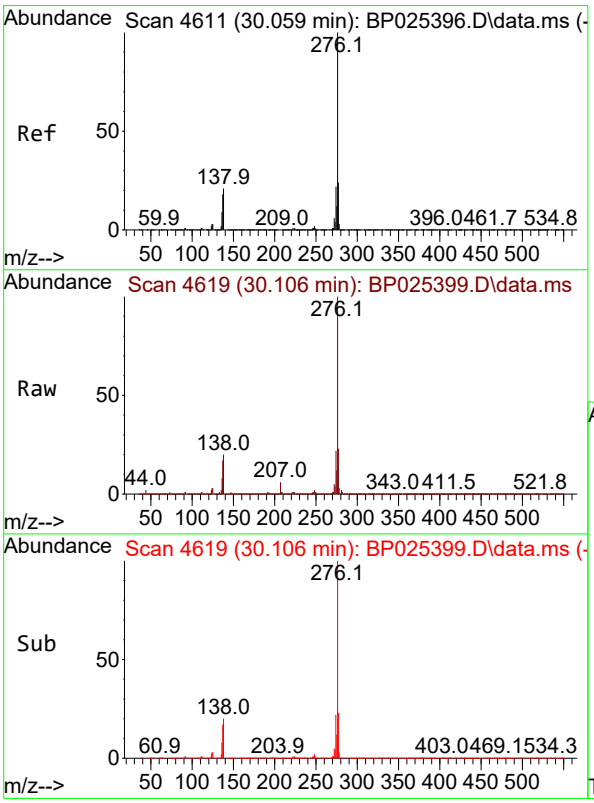
Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.0	19.4
279	23.6	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

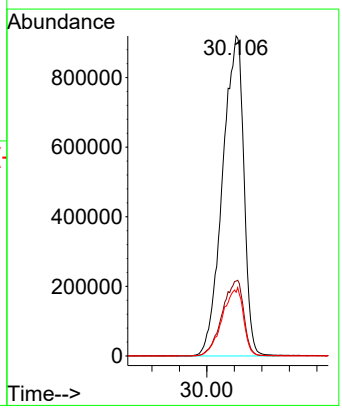
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 80.973 ng
RT: 30.106 min Scan# 4619
Delta R.T. 0.047 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:276 Resp: 4949477

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	19.9	16.7	25.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	174007	20.000	ng		0.00
21) Naphthalene-d8	10.566	136	750079	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	503239	20.000	ng		0.00
64) Phenanthrene-d10	17.213	188	1034378	20.000	ng		0.01
76) Chrysene-d12	21.654	240	1060337	20.000	ng		0.00
86) Perylene-d12	25.024	264	1200519	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	727486	69.430	ng		0.00
7) Phenol-d6	6.966	99	962695	71.663	ng		0.00
23) Nitrobenzene-d5	8.937	82	984441	66.391	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	484870	71.582	ng		0.00
45) 2-Fluorobiphenyl	13.025	172	2430828	66.016	ng		0.00
79) Terphenyl-d14	19.936	244	3848160	66.399	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	138687	33.792	ng		99
3) Pyridine	3.731	79	403298	35.901	ng		98
4) n-Nitrosodimethylamine	3.631	42	176521	38.115	ng		98
6) Aniline	7.125	93	690437	38.147	ng		99
8) 2-Chlorophenol	7.366	128	455230	38.501	ng		99
9) Benzaldehyde	6.943	77	321335	34.142	ng		96
10) Phenol	6.996	94	541123	38.388	ng		99
11) bis(2-Chloroethyl)ether	7.219	93	421318	38.348	ng		99
12) 1,3-Dichlorobenzene	7.684	146	492014	37.738	ng		100
13) 1,4-Dichlorobenzene	7.825	146	504919	37.890	ng		97
14) 1,2-Dichlorobenzene	8.143	146	487845	37.818	ng		99
15) Benzyl Alcohol	8.025	79	416544	39.025	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	563276	38.271	ng		99
17) 2-Methylphenol	8.225	107	380608	38.877	ng		100
18) Hexachloroethane	8.866	117	186691	38.103	ng		97
19) n-Nitroso-di-n-propyla...	8.590	70	340533	38.270	ng		99
20) 3+4-Methylphenols	8.549	107	524095	38.620	ng		99
22) Acetophenone	8.602	105	718869	38.216	ng	#	99
24) Nitrobenzene	8.978	77	494466	37.313	ng		98
25) Isophorone	9.501	82	993378	37.855	ng		99
26) 2-Nitrophenol	9.678	139	263348	38.722	ng		97
27) 2,4-Dimethylphenol	9.743	122	455078	38.910	ng		99
28) bis(2-Chloroethoxy)met...	9.972	93	599862	37.816	ng		99
29) 2,4-Dichlorophenol	10.213	162	449034	38.649	ng		98
30) 1,2,4-Trichlorobenzene	10.431	180	474183	37.231	ng		98
31) Naphthalene	10.613	128	1459279	37.431	ng		99
32) Benzoic acid	9.884	122	330207	38.242	ng		96
33) 4-Chloroaniline	10.713	127	655135	38.043	ng		99
34) Hexachlorobutadiene	10.901	225	293728	37.031	ng		98
35) Caprolactam	11.501	113	163211	38.310	ng		98
36) 4-Chloro-3-methylphenol	11.837	107	517126	38.789	ng		98
37) 2-Methylnaphthalene	12.219	142	960146	37.845	ng		99
38) 1-Methylnaphthalene	12.443	142	1012844	37.539	ng		99
40) 1,2,4,5-Tetrachloroben...	12.590	216	550777	37.895	ng		100
41) Hexachlorocyclopentadiene	12.572	237	351819	40.074	ng		100
43) 2,4,6-Trichlorophenol	12.831	196	382393	38.972	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	420565	39.108	ng	99
46) 1,1'-Biphenyl	13.237	154	1376834	37.672	ng	99
47) 2-Chloronaphthalene	13.272	162	1072147	37.682	ng	99
48) 2-Nitroaniline	13.472	65	323995	39.081	ng	99
49) Acenaphthylene	14.125	152	1775899	37.720	ng	100
50) Dimethylphthalate	13.860	163	1406620	38.170	ng	100
51) 2,6-Dinitrotoluene	13.972	165	304562	39.211	ng	98
52) Acenaphthene	14.472	154	1018011m	36.837	ng	
53) 3-Nitroaniline	14.301	138	349791	40.027	ng	98
54) 2,4-Dinitrophenol	14.507	184	172743	41.646	ng	100
55) Dibenzofuran	14.813	168	1630744	37.324	ng	100
56) 4-Nitrophenol	14.619	139	284585	39.630	ng	99
57) 2,4-Dinitrotoluene	14.772	165	448143	40.439	ng	98
58) Fluorene	15.478	166	1275341	36.992	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.036	232	371715	39.147	ng	99
60) Diethylphthalate	15.242	149	1415787	37.810	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	627477	36.596	ng	99
62) 4-Nitroaniline	15.484	138	346865	38.717	ng	99
63) Azobenzene	15.766	77	1235242	38.526	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	256111	39.721	ng	99
66) n-Nitrosodiphenylamine	15.684	169	1174244	37.227	ng	100
67) 4-Bromophenyl-phenylether	16.378	248	422072	37.101	ng	96
68) Hexachlorobenzene	16.501	284	488749	37.062	ng	98
69) Atrazine	16.660	200	449555	38.057	ng	100
70) Pentachlorophenol	16.854	266	322435	38.733	ng	98
71) Phenanthrene	17.254	178	2070873	36.445	ng	99
72) Anthracene	17.342	178	2179669	37.563	ng	100
73) Carbazole	17.619	167	2028595	37.116	ng	100
74) Di-n-butylphthalate	18.225	149	2528547	37.602	ng	100
75) Fluoranthene	19.342	202	2540417	37.481	ng	99
77) Benzidine	19.519	184	1529656	42.271	ng	99
78) Pyrene	19.713	202	2577810	37.404	ng	99
80) Butylbenzylphthalate	20.660	149	1199445	38.401	ng	98
81) Benzo(a)anthracene	21.636	228	2583866	36.950	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1002597	38.038	ng	99
83) Chrysene	21.701	228	2446197	37.353	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1780746	38.729	ng	100
85) Di-n-octyl phthalate	22.877	149	2998528	37.915	ng	100
87) Indeno(1,2,3-cd)pyrene	28.877	276	3267965	37.119	ng	94
88) Benzo(b)fluoranthene	23.971	252	2616701	36.964	ng	100
89) Benzo(k)fluoranthene	24.042	252	2653905	37.464	ng	99
90) Benzo(a)pyrene	24.871	252	2560692	37.160	ng	100
91) Dibenzo(a,h)anthracene	28.948	278	2697336	37.490	ng	99
92) Benzo(g,h,i)perylene	30.089	276	2632085	37.216	ng	98

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

ICAL Form

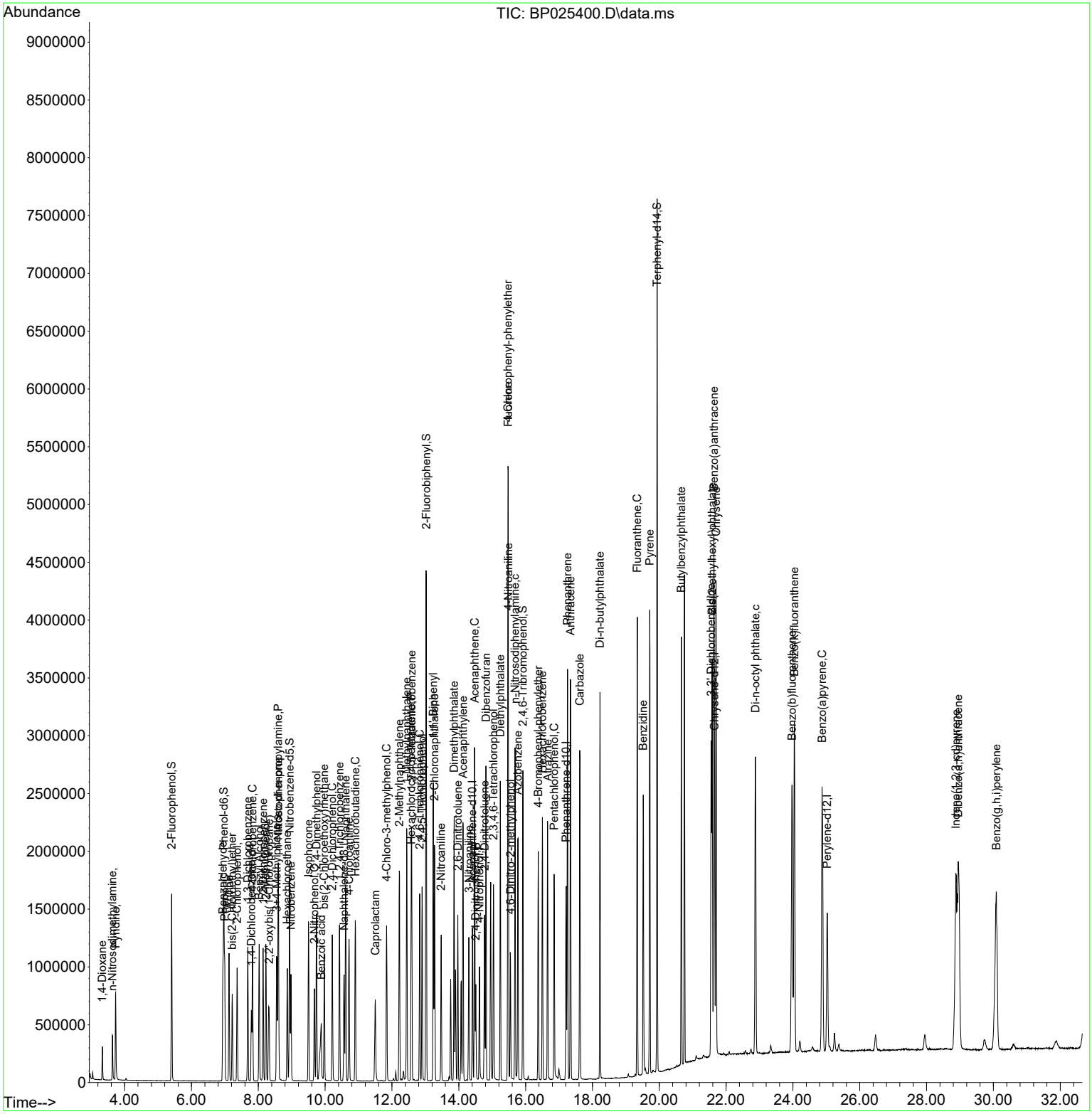
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

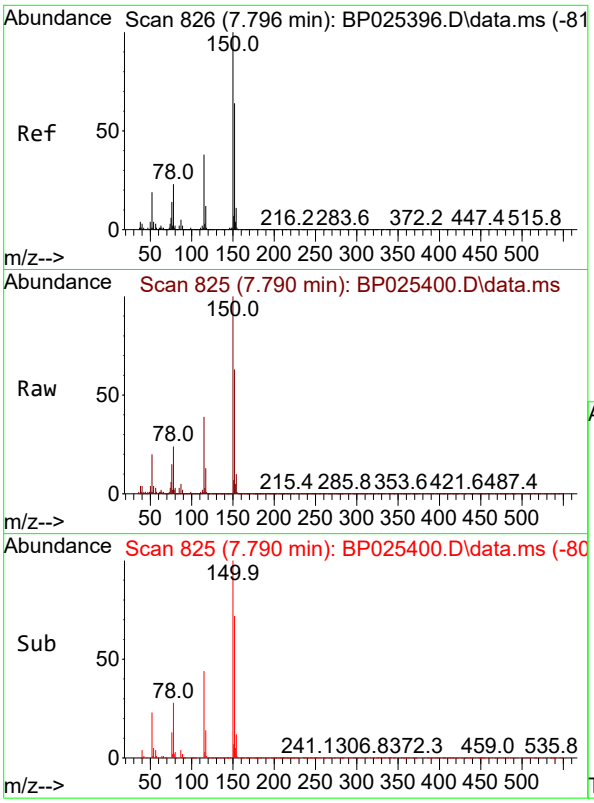
Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

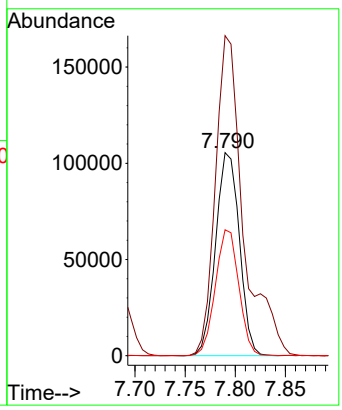




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:152 Resp: 17400

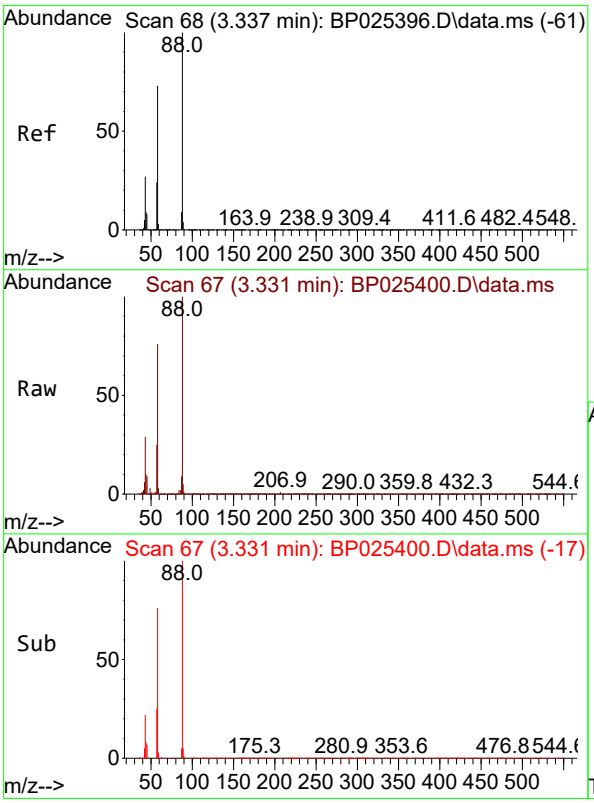
Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.9	188.9
115	62.0	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

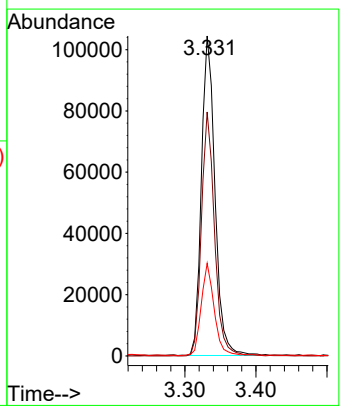
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

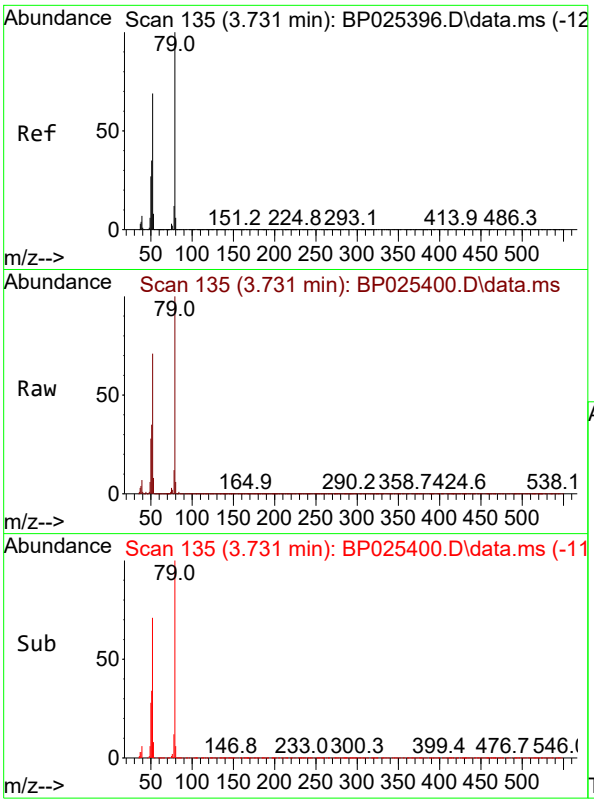


#2
1,4-Dioxane
Concen: 33.792 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 88 Resp: 138687

Ion	Ratio	Lower	Upper
88	100		
58	73.7	59.2	88.8
43	27.9	21.7	32.5

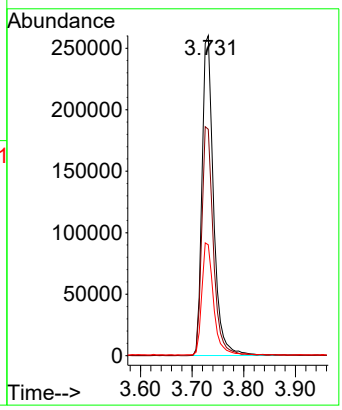




#3
Pyridine
Concen: 35.901 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 79 Resp: 40329

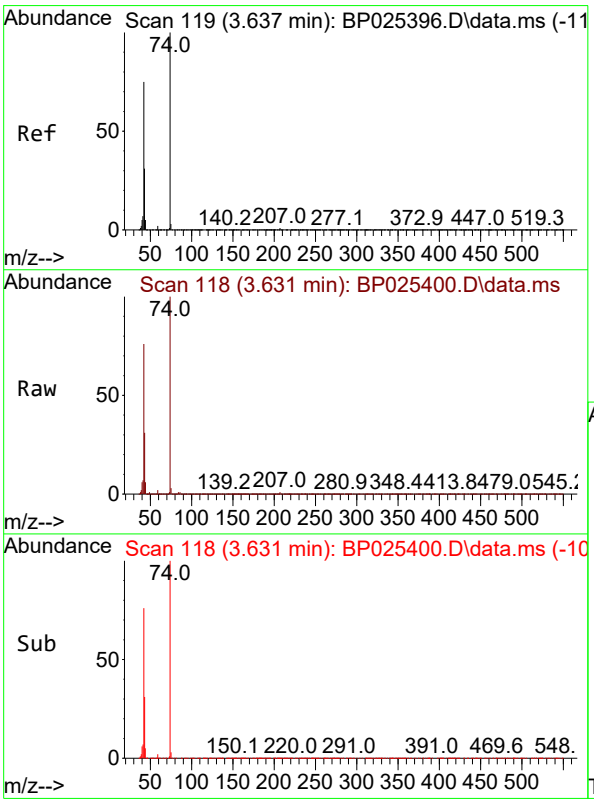
Ion	Ratio	Lower	Upper
79	100		
52	70.8	55.5	83.3
51	34.7	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

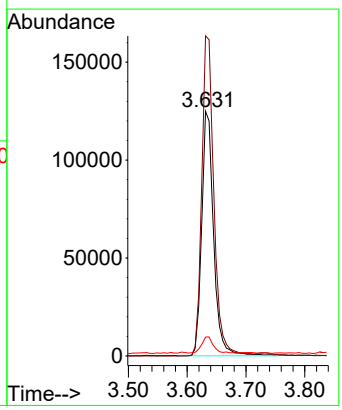
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

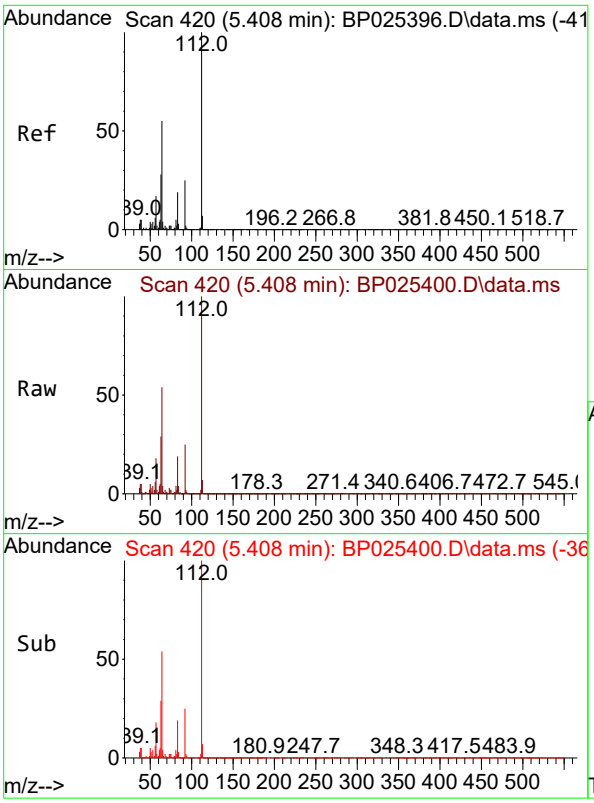


#4
n-Nitrosodimethylamine
Concen: 38.115 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 42 Resp: 176521

Ion	Ratio	Lower	Upper
42	100		
74	130.8	107.0	160.4
44	7.7	6.2	9.4

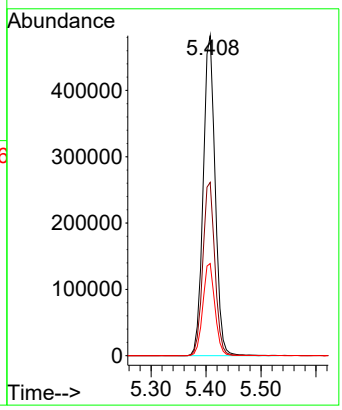




#5
2-Fluorophenol
Concen: 69.430 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:112 Resp: 72748

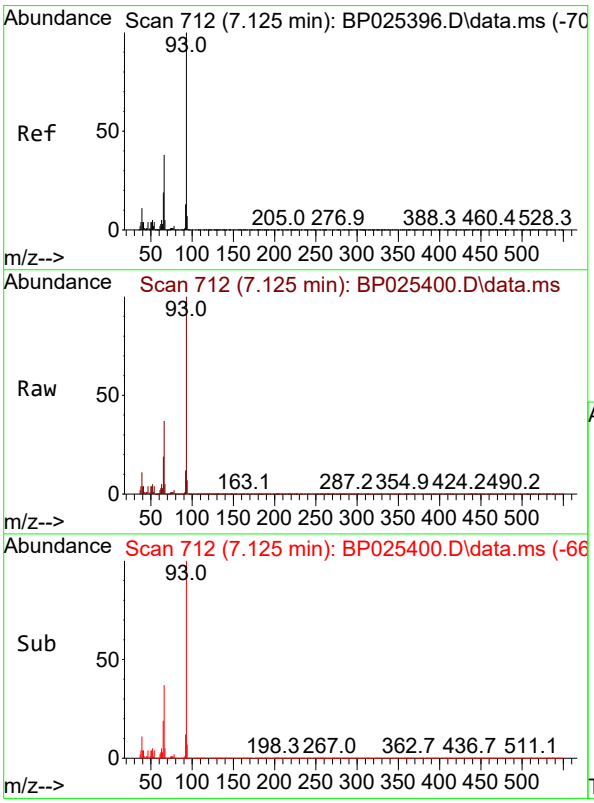
Ion	Ratio	Lower	Upper
112	100		
64	54.2	43.8	65.8
63	28.8	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

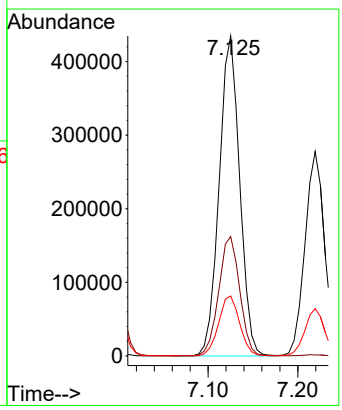
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

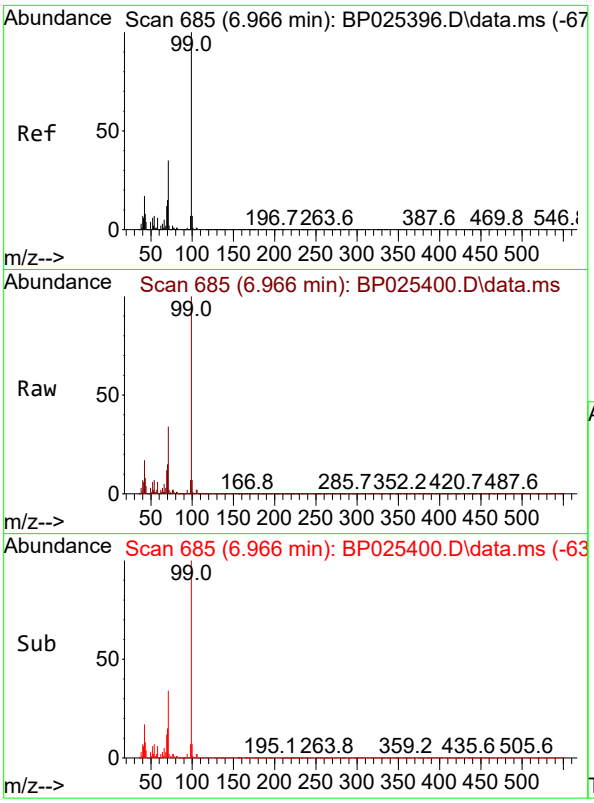


#6
Aniline
Concen: 38.147 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 690437

Ion	Ratio	Lower	Upper
93	100		
66	37.3	30.4	45.6
65	18.7	15.3	22.9

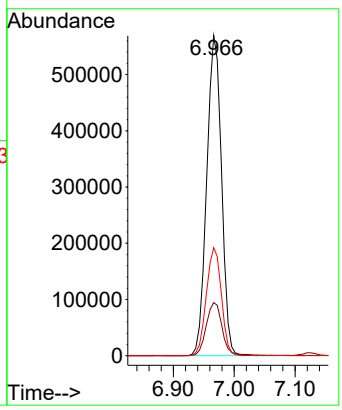




#7
Phenol-d6
Concen: 71.663 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 99 Resp: 96269

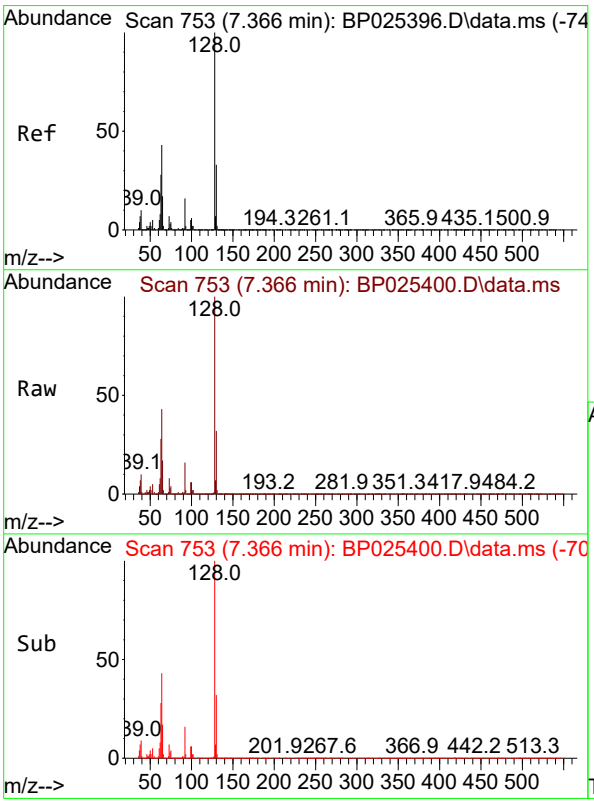
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.7	20.5
71	33.7	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

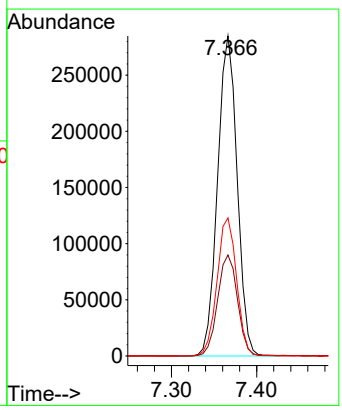
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

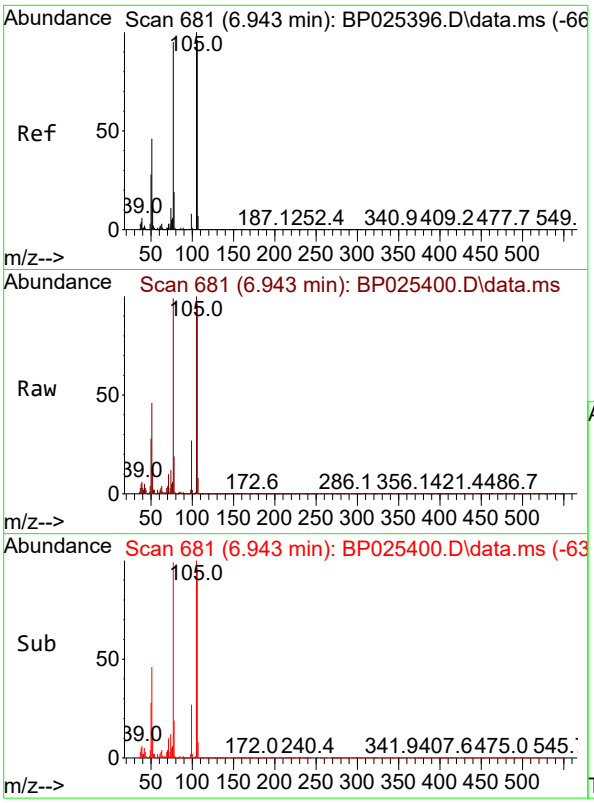


#8
2-Chlorophenol
Concen: 38.501 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:128 Resp: 455230

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.6	52.6
64	43.2	23.4	63.4

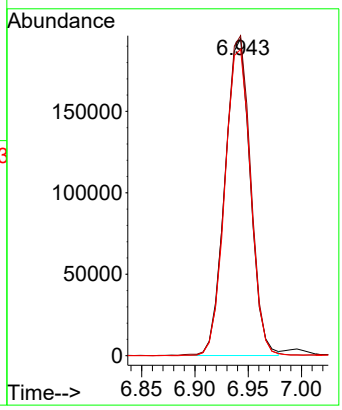




#9
Benzaldehyde
Concen: 34.142 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 77 Resp: 32133

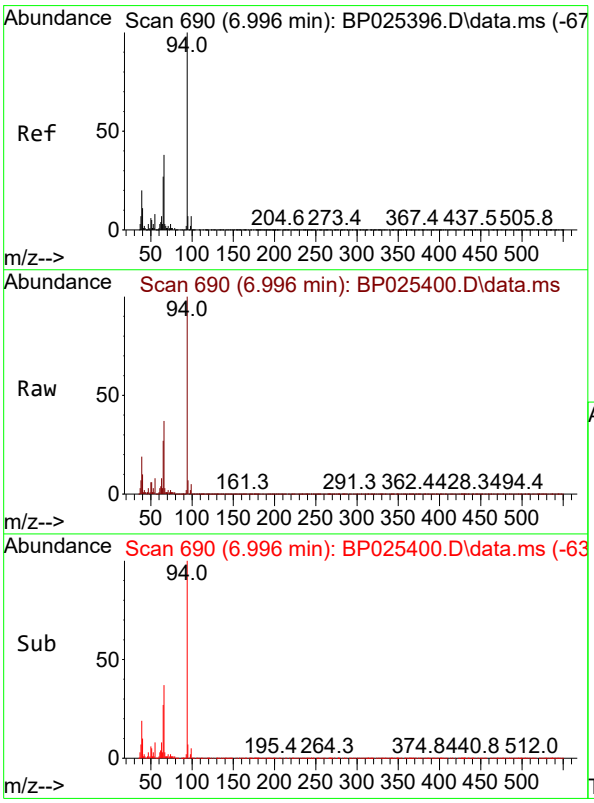
Ion	Ratio	Lower	Upper
77	100		
105	100.9	84.8	124.8
106	96.6	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

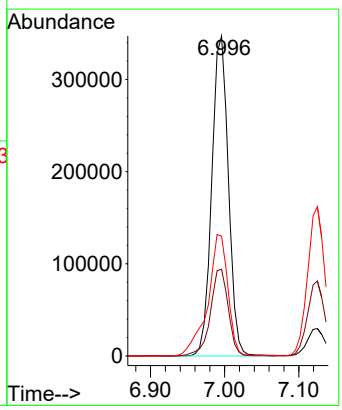
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

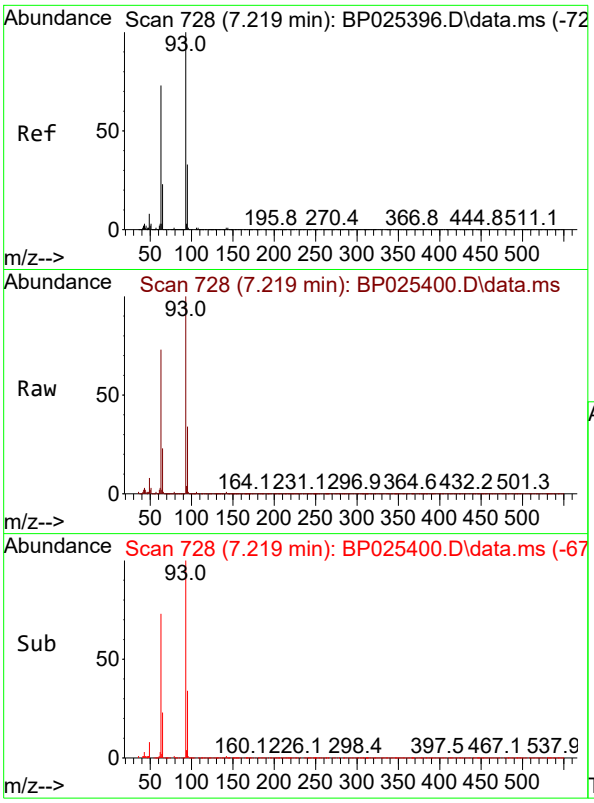


#10
Phenol
Concen: 38.388 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 94 Resp: 541123

Ion	Ratio	Lower	Upper
94	100		
65	27.1	6.8	46.8
66	37.5	18.2	58.2

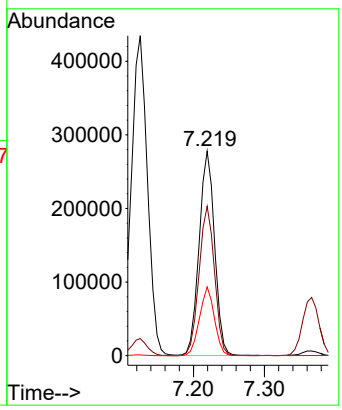




#11
bis(2-Chloroethyl)ether
Concen: 38.348 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 42131

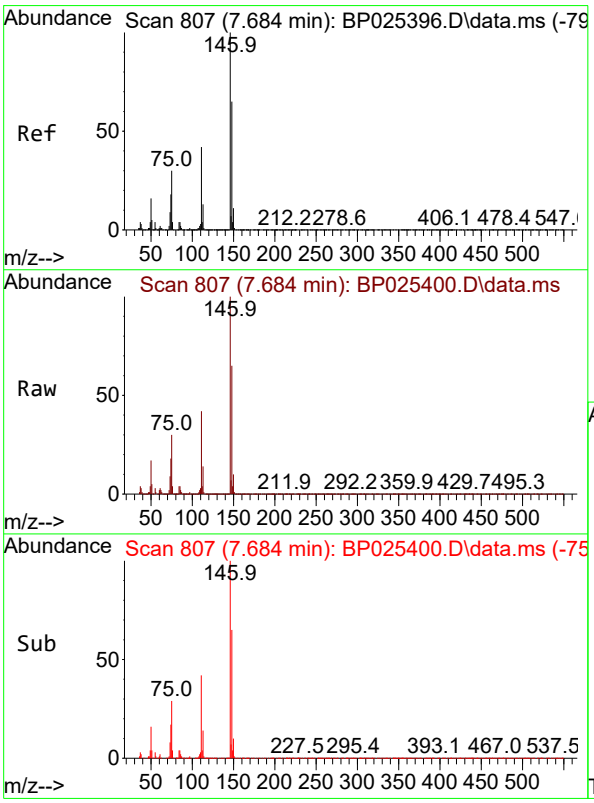
Ion	Ratio	Lower	Upper
93	100		
63	73.1	52.6	92.6
95	33.6	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

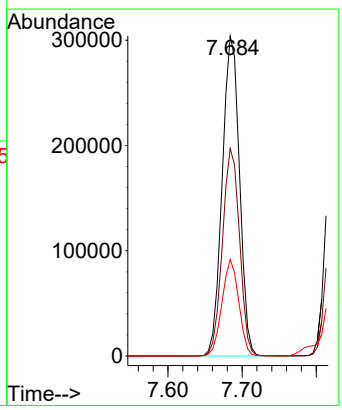
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

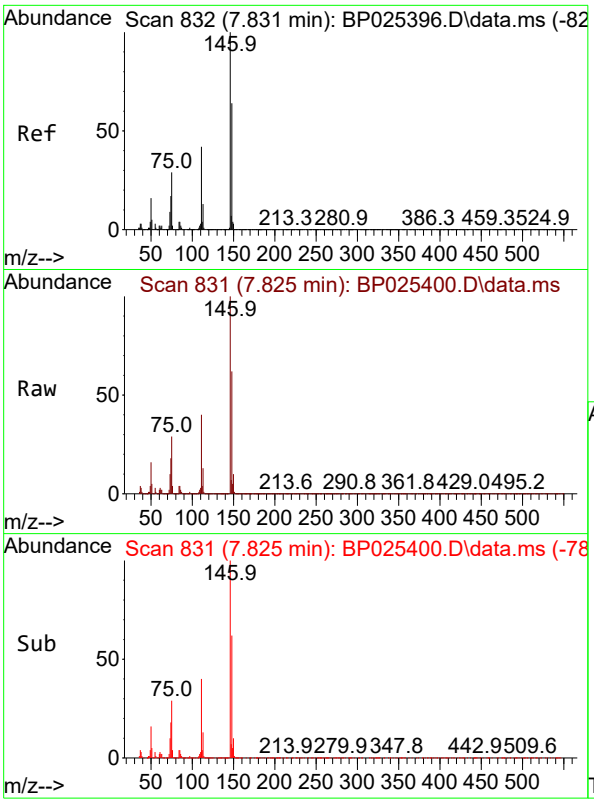


#12
1,3-Dichlorobenzene
Concen: 37.738 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:146 Resp: 492014

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	30.1	23.7	35.5

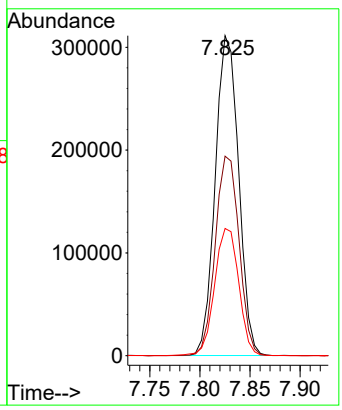




#13
1,4-Dichlorobenzene
Concen: 37.890 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:146 Resp: 50491

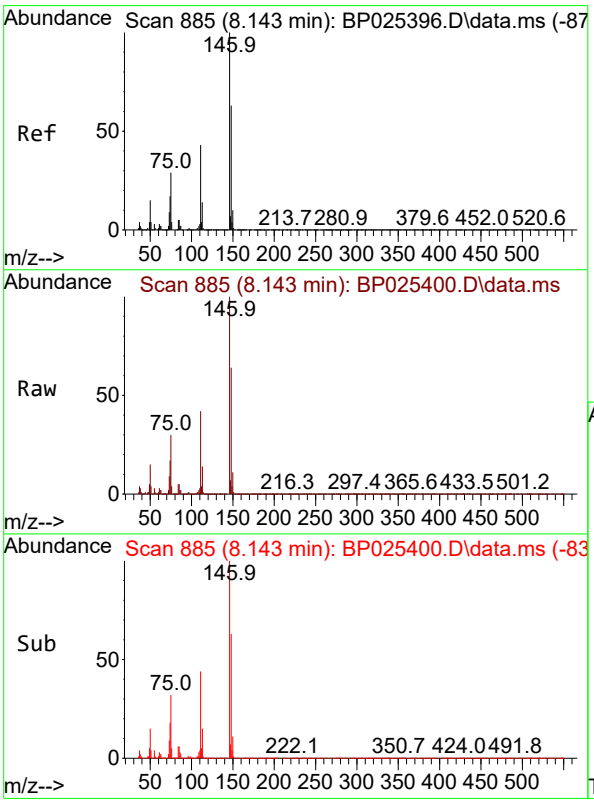
Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.6	77.4
111	39.8	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

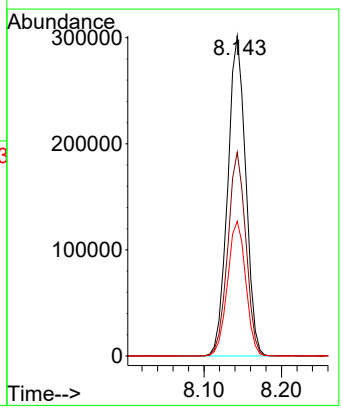
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

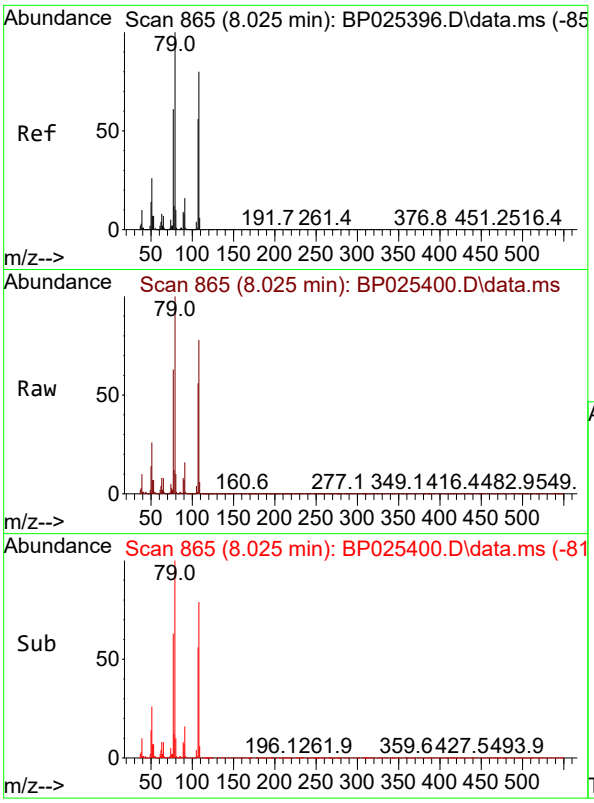


#14
1,2-Dichlorobenzene
Concen: 37.818 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:146 Resp: 487845

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.4	75.6
111	42.1	34.5	51.7

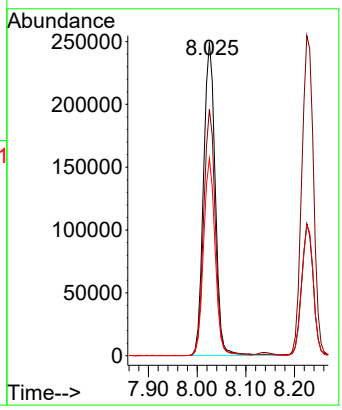




#15
Benzyl Alcohol
Concen: 39.025 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 79 Resp: 41654

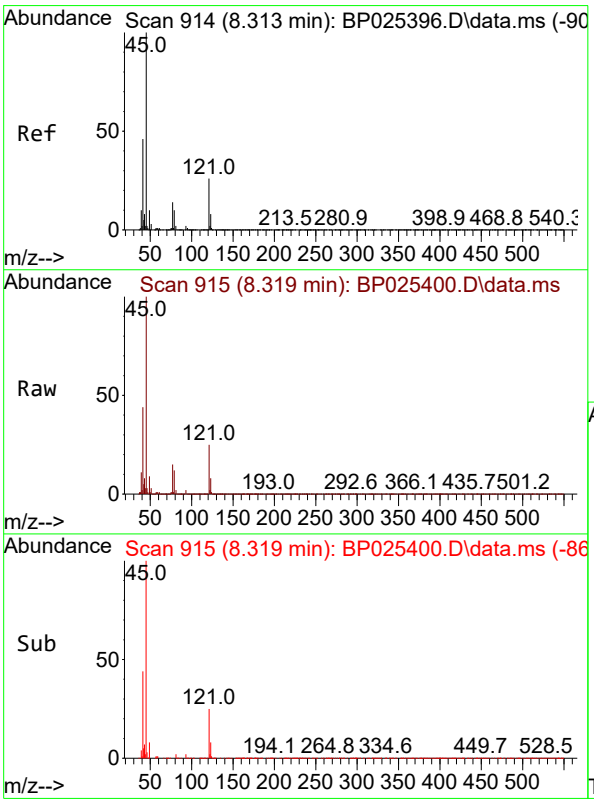
Ion	Ratio	Lower	Upper
79	100		
108	78.5	63.8	95.6
77	62.8	49.0	73.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

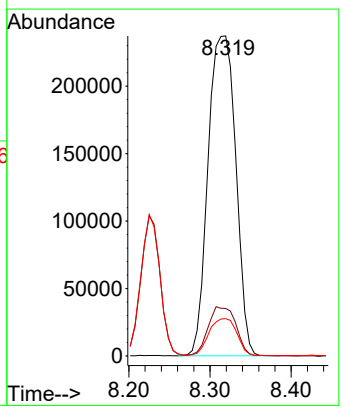
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

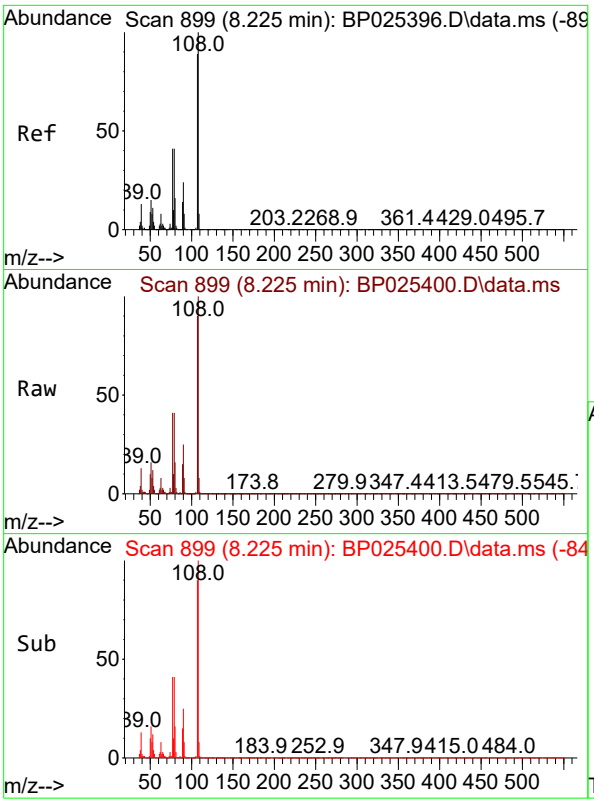


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.271 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 45 Resp: 563276

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	35.3
79	11.7	0.0	31.8

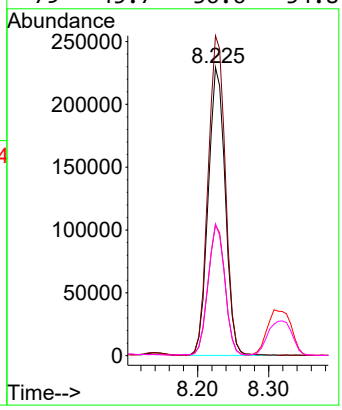




#17
2-Methylphenol
Concen: 38.877 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:107 Resp: 38060

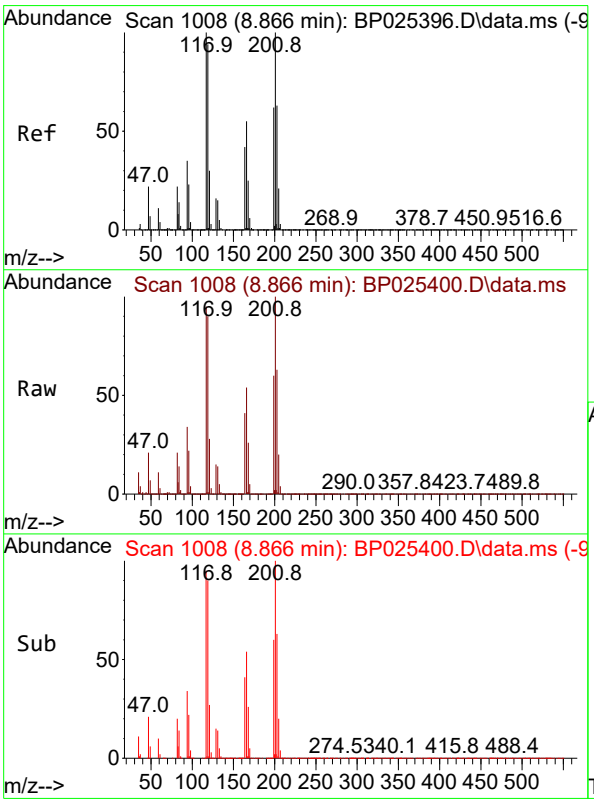
Ion	Ratio	Lower	Upper
107	100		
108	111.0	89.4	134.0
77	45.3	36.3	54.5
79	45.7	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

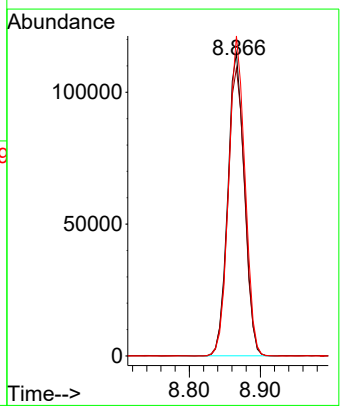
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

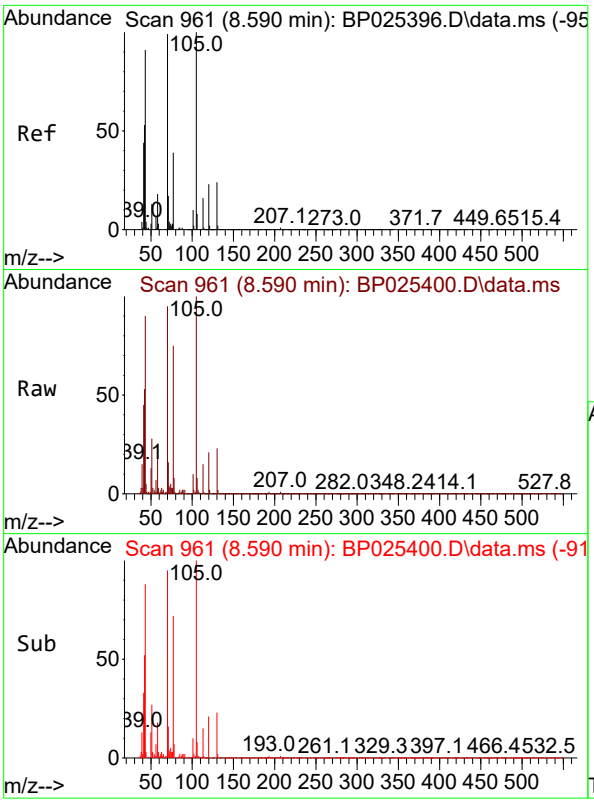


#18
Hexachloroethane
Concen: 38.103 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:117 Resp: 186691

Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.1	112.7
201	105.6	80.1	120.1

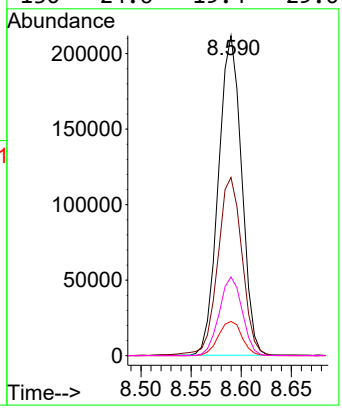




#19
n-Nitroso-di-n-propylamine
Concen: 38.270 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 70 Resp: 34053

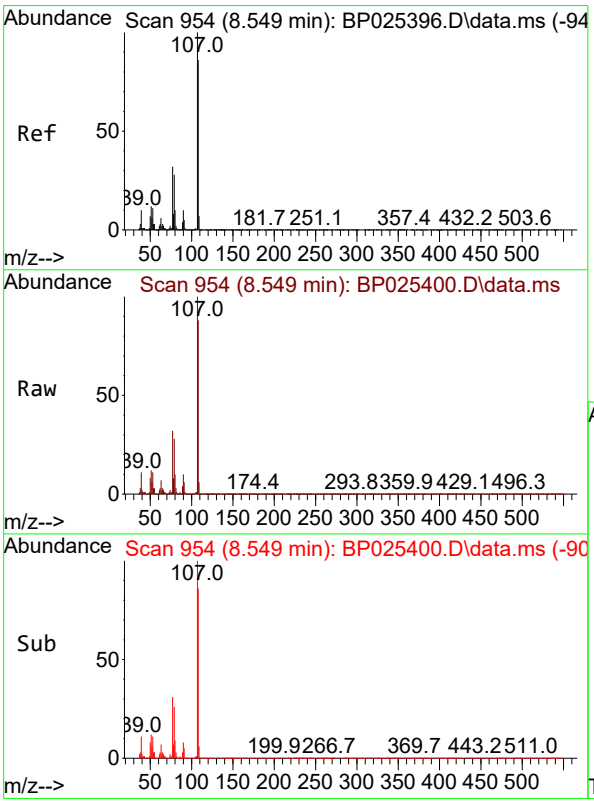
Ion	Ratio	Lower	Upper
70	100		
42	55.7	43.8	65.6
101	10.7	8.5	12.7
130	24.6	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

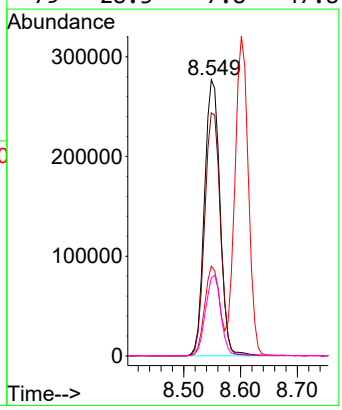
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

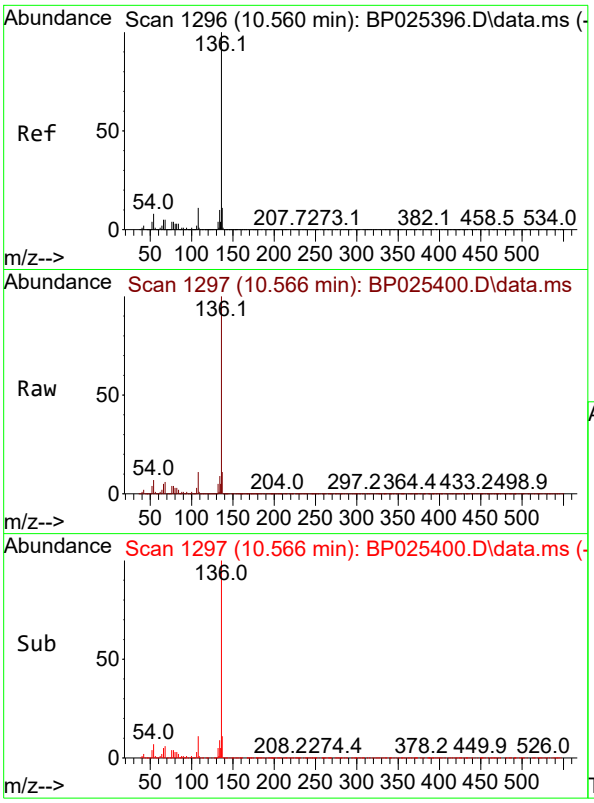


#20
3+4-Methylphenols
Concen: 38.620 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:107 Resp: 524095

Ion	Ratio	Lower	Upper
107	100		
108	88.0	66.3	106.3
77	32.5	12.3	52.3
79	28.3	7.8	47.8

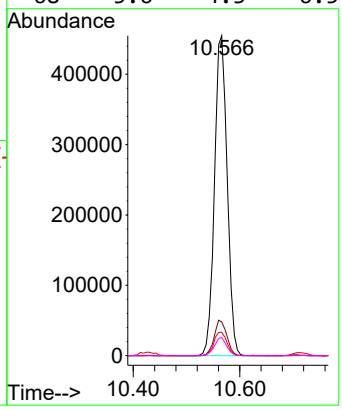




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:136 Resp: 75007

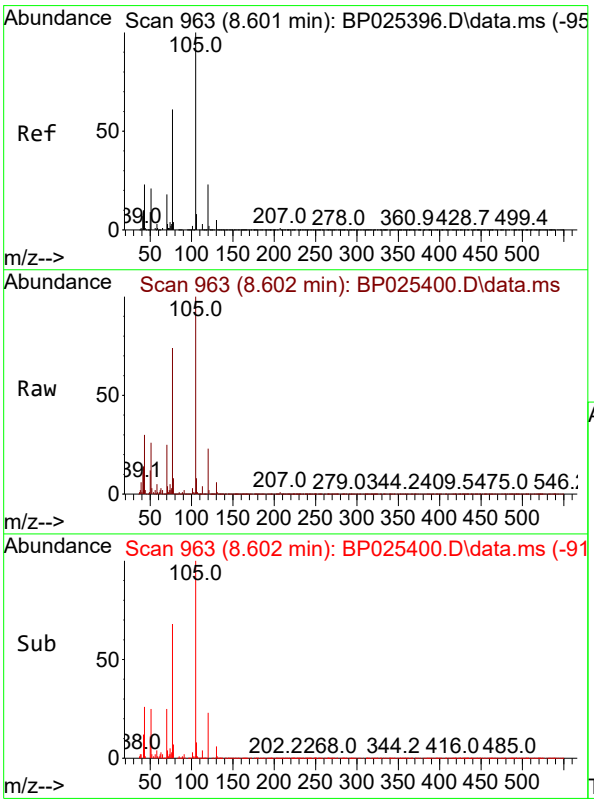
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.3	6.0	9.0
68	5.6	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

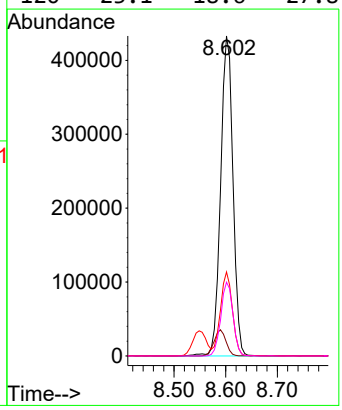
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

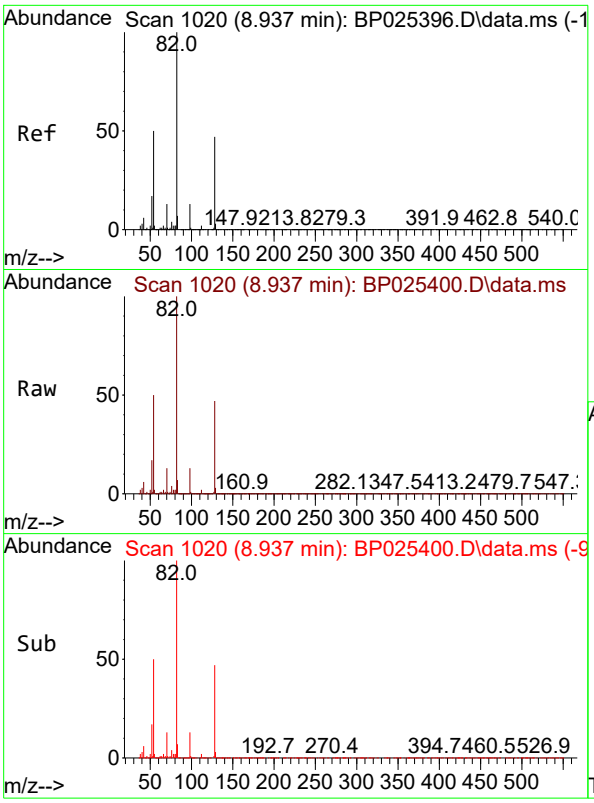


#22
Acetophenone
Concen: 38.216 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:105 Resp: 718869

Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.6	4.0#
51	26.2	20.6	30.8
120	23.1	18.6	27.8

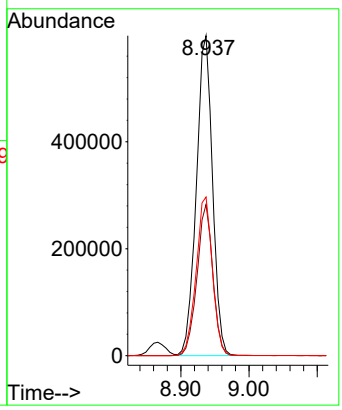




#23
Nitrobenzene-d5
Concen: 66.391 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 82 Resp: 98444

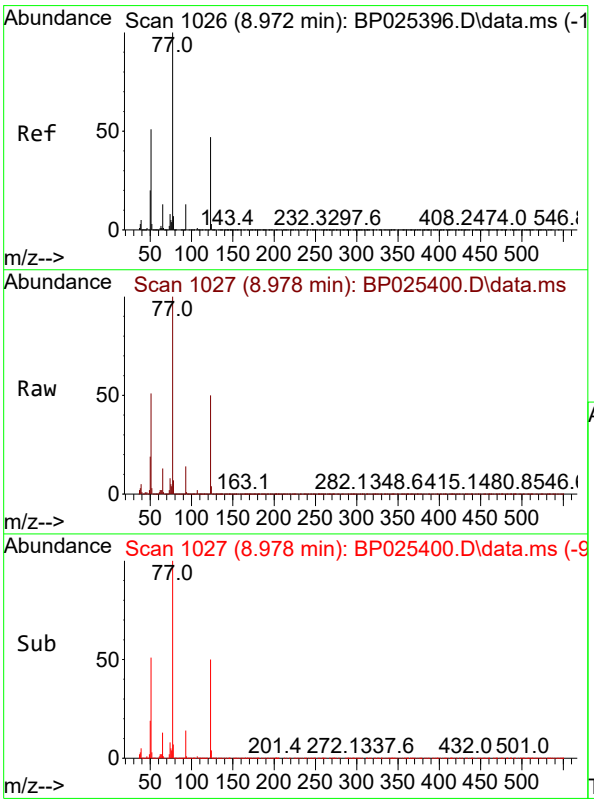
Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	49.6	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

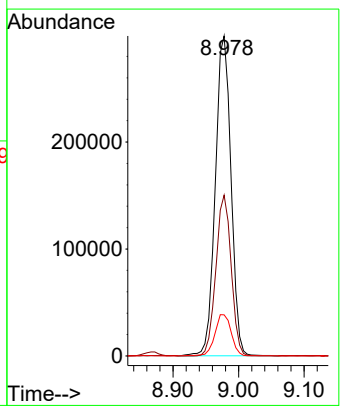
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

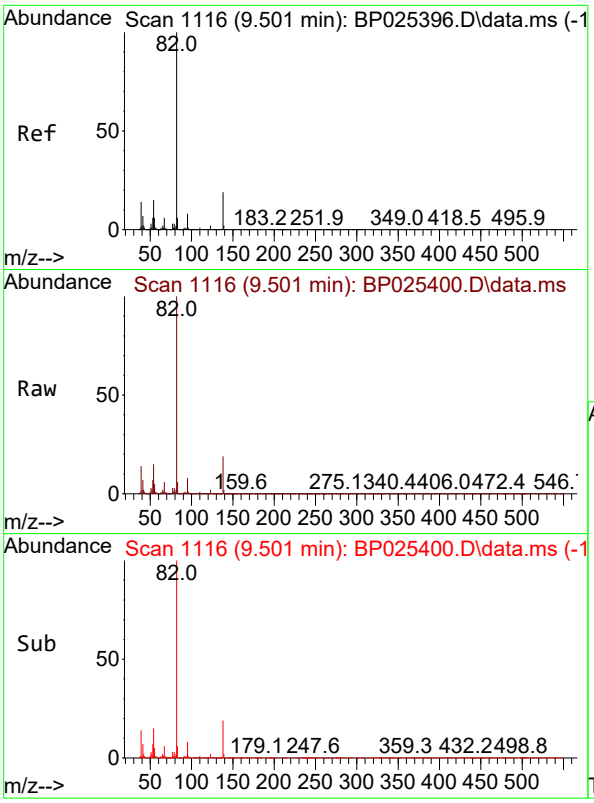


#24
Nitrobenzene
Concen: 37.313 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 77 Resp: 494466

Ion	Ratio	Lower	Upper
77	100		
123	50.3	38.6	58.0
65	12.9	10.6	15.8





#25
Isophorone
Concen: 37.855 ng
RT: 9.501 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

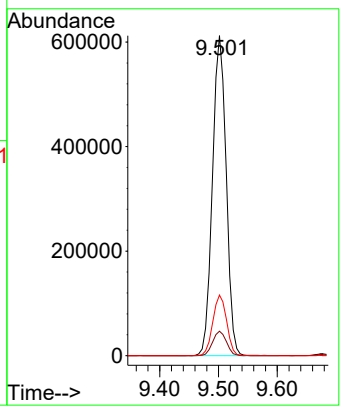
Tgt Ion: 82 Resp: 99337

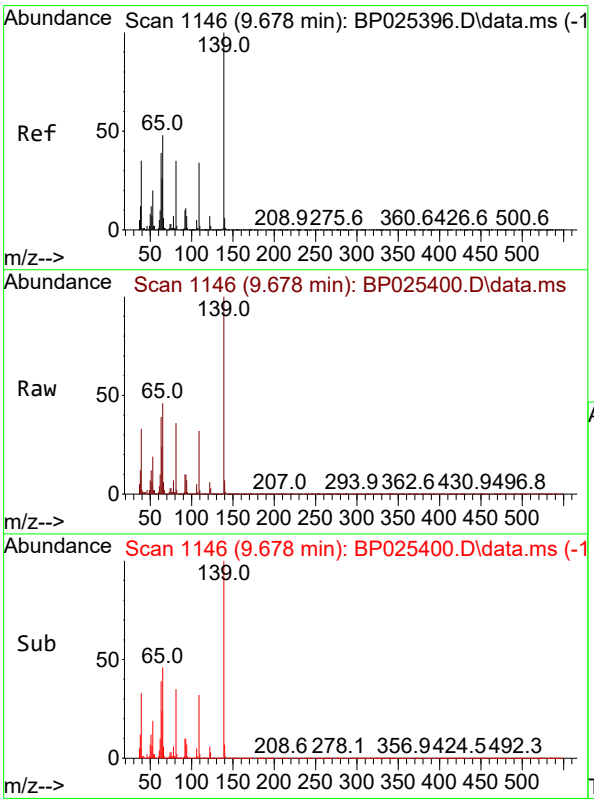
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.9	15.4	23.0

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

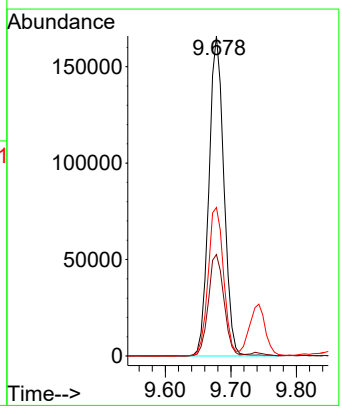


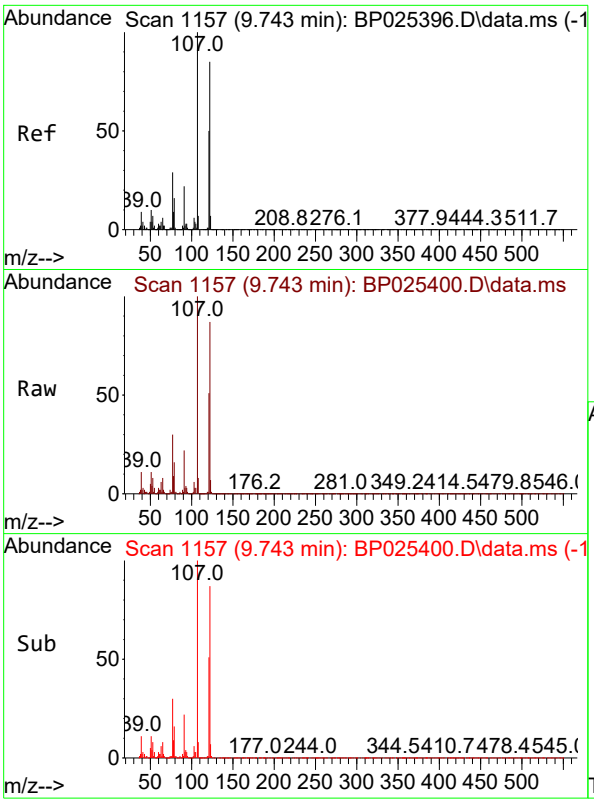


#26
2-Nitrophenol
Concen: 38.722 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:139 Resp: 263348

Ion	Ratio	Lower	Upper
139	100		
109	31.7	26.9	40.3
65	46.4	38.3	57.5

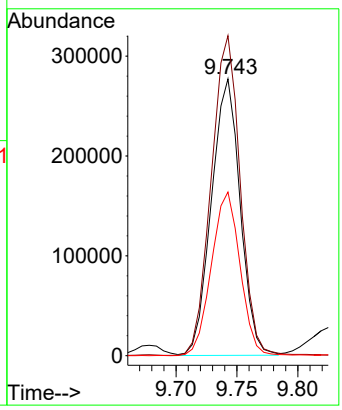




#27
2,4-Dimethylphenol
Concen: 38.910 ng
RT: 9.743 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:122 Resp: 45507

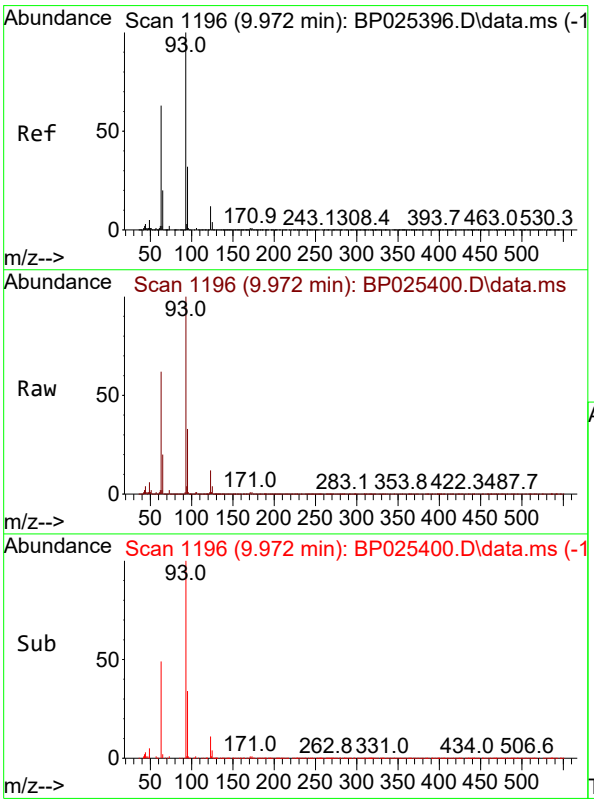
Ion	Ratio	Lower	Upper
122	100		
107	115.6	93.7	140.5
121	59.1	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

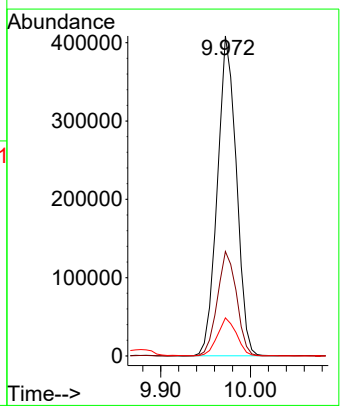
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

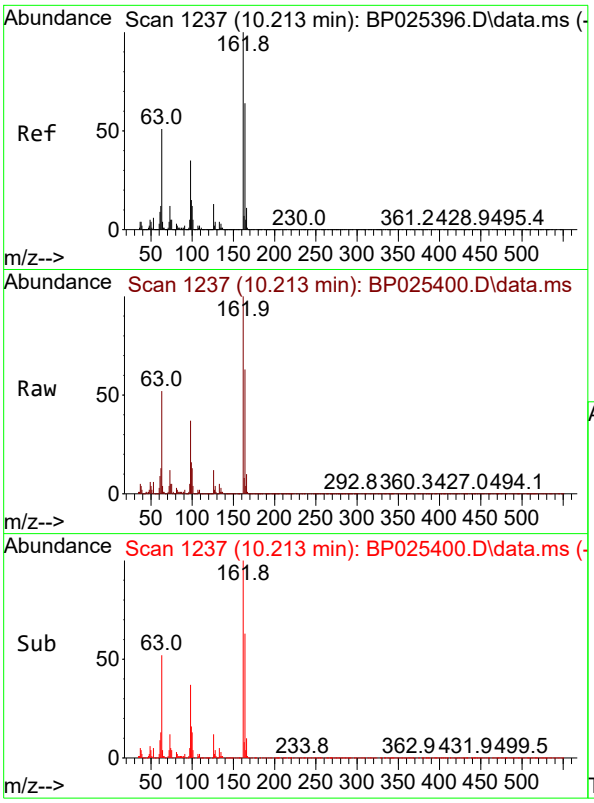


#28
bis(2-Chloroethoxy)methane
Concen: 37.816 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 599862

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	11.9	9.4	14.0

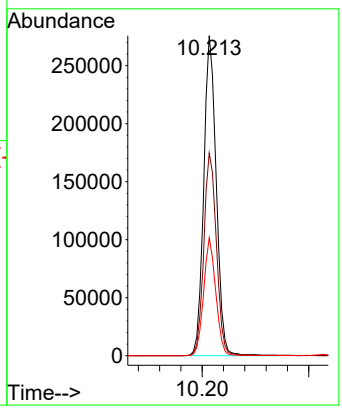




#29
2,4-Dichlorophenol
Concen: 38.649 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:162 Resp: 44903

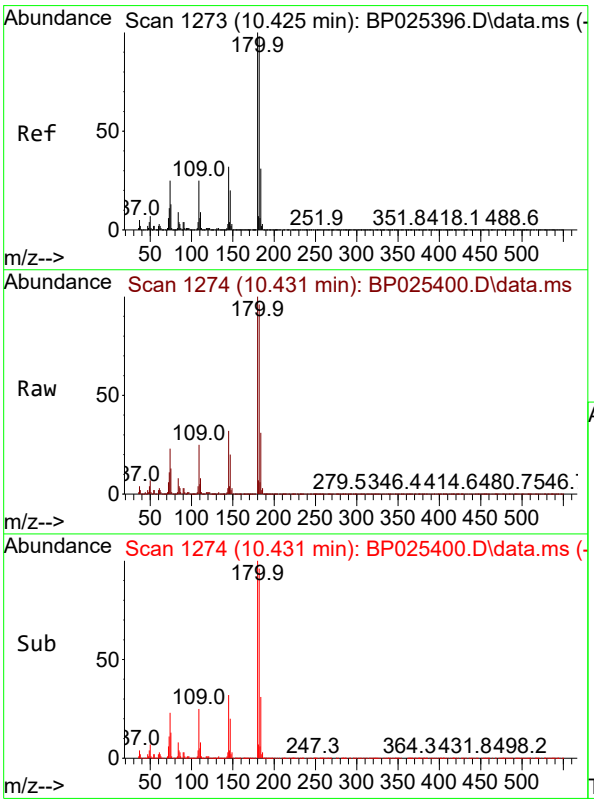
Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.4	84.4
98	36.9	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

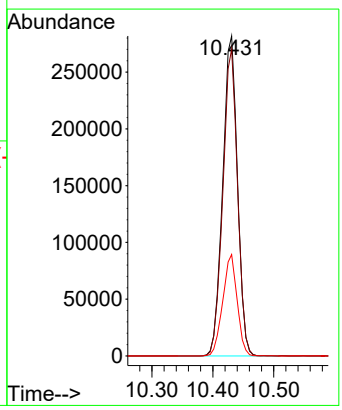
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

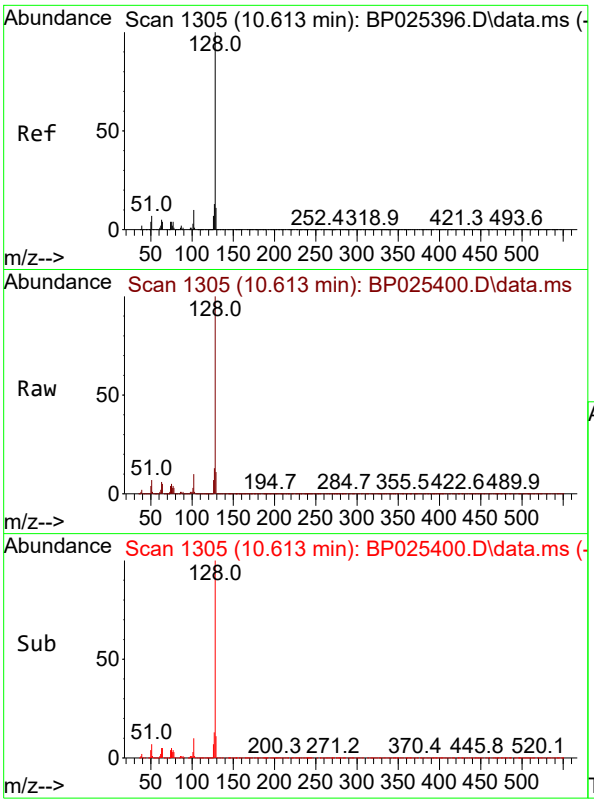


#30
1,2,4-Trichlorobenzene
Concen: 37.231 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:180 Resp: 474183

Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.0	117.0
145	31.7	25.9	38.9

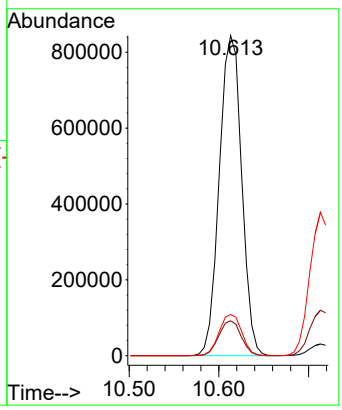




#31
Naphthalene
Concen: 37.431 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:128 Resp: 145927

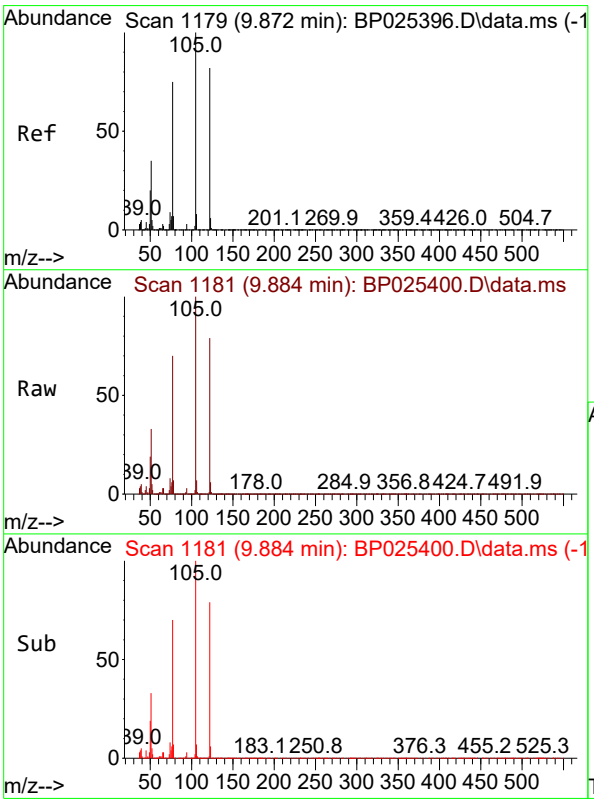
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.8	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

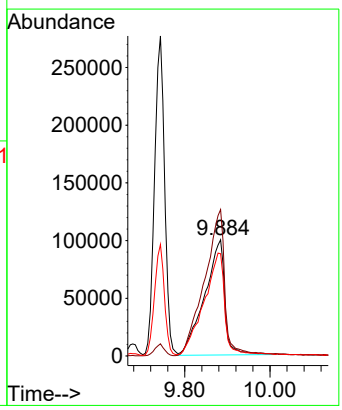
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

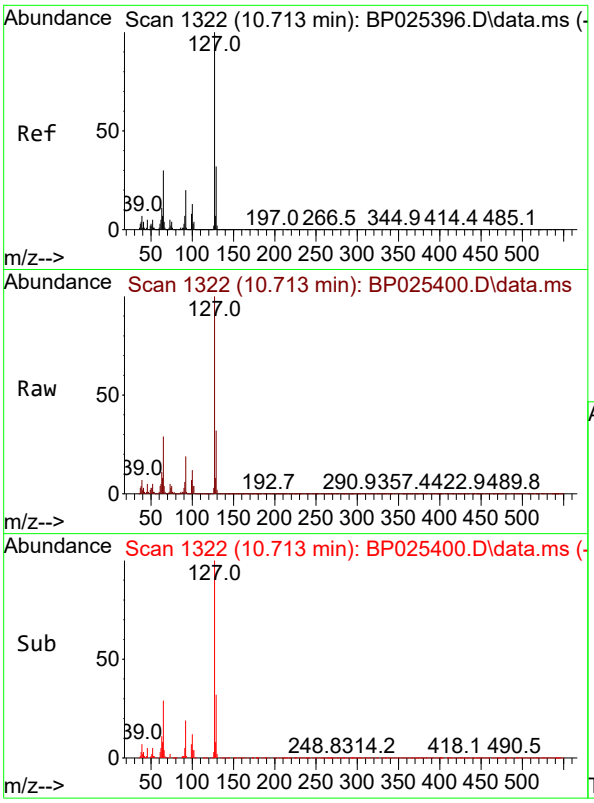


#32
Benzoic acid
Concen: 38.242 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:122 Resp: 330207

Ion	Ratio	Lower	Upper
122	100		
105	126.0	100.6	140.6
77	88.0	71.5	111.5

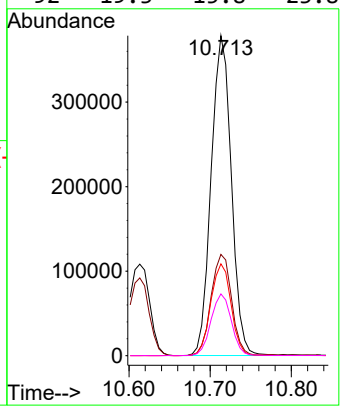




#33
4-Chloroaniline
Concen: 38.043 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:127 Resp: 65513

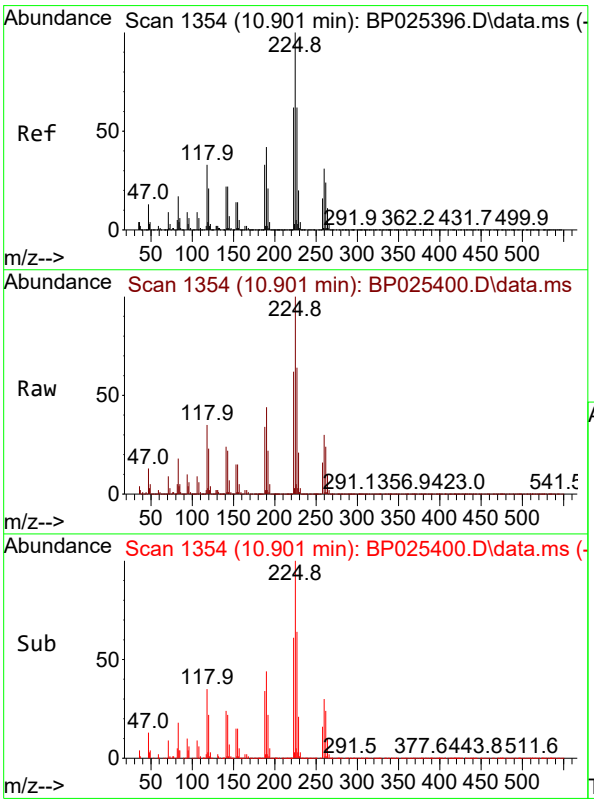
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	28.7	23.8	35.6
92	19.3	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

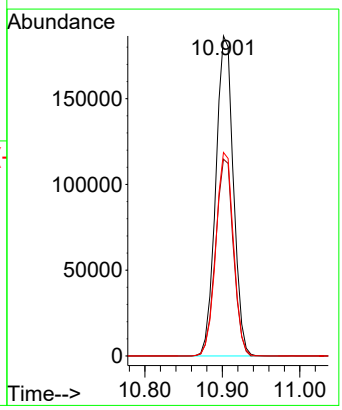
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

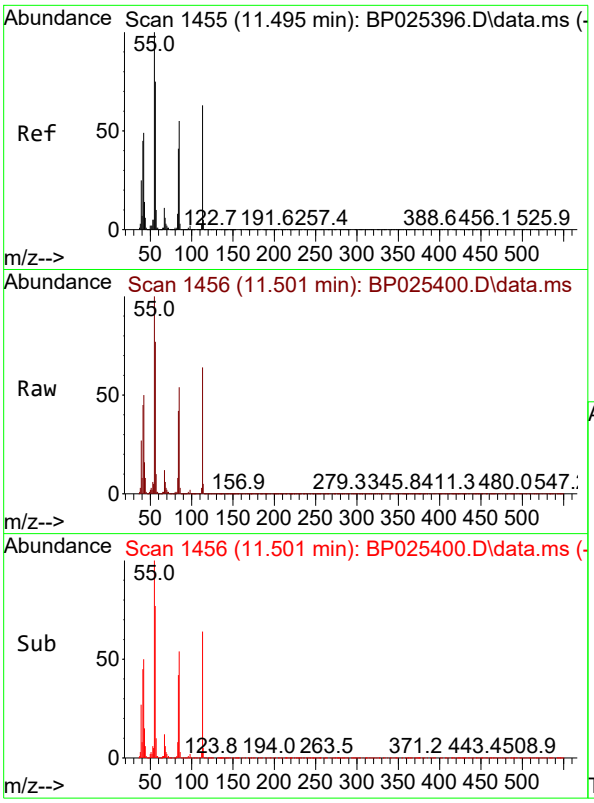


#34
Hexachlorobutadiene
Concen: 37.031 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:225 Resp: 293728

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.0	75.0
227	63.6	49.7	74.5

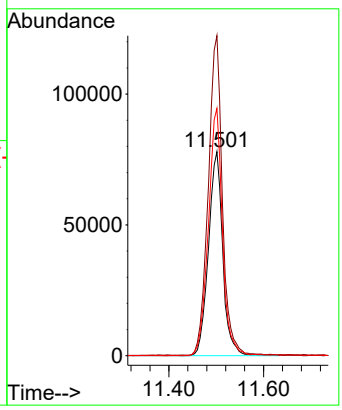




#35
Caprolactam
Concen: 38.310 ng
RT: 11.501 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:113 Resp: 16321

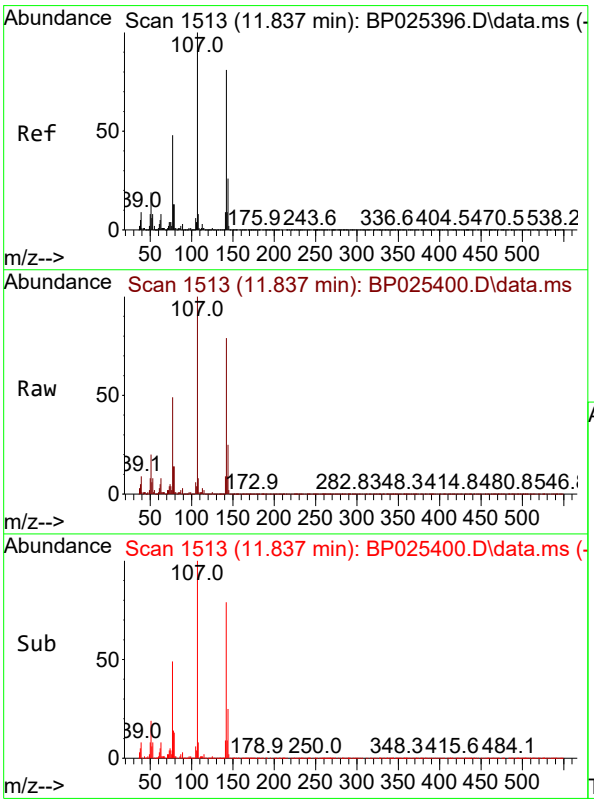
Ion	Ratio	Lower	Upper
113	100		
55	156.9	140.0	180.0
56	121.2	100.0	140.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

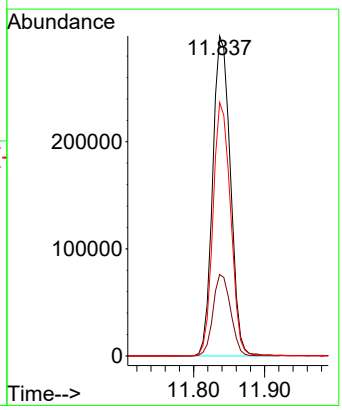
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

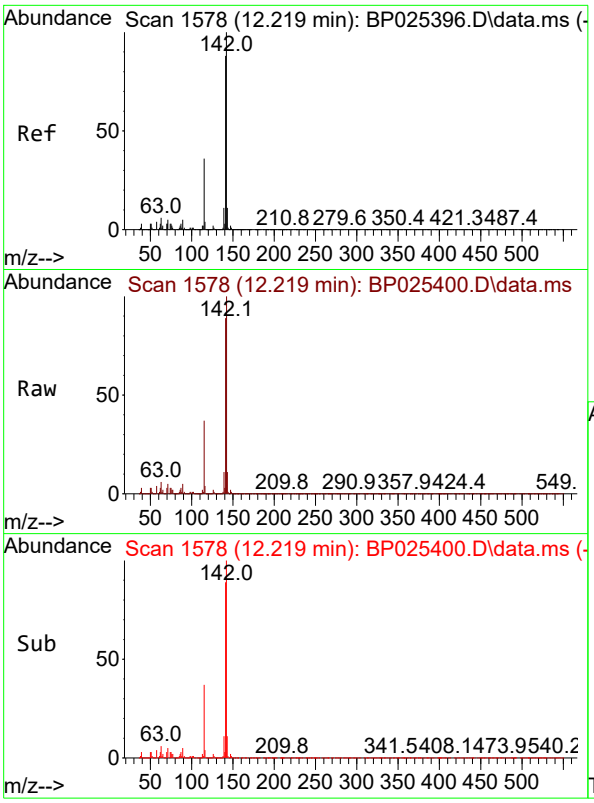


#36
4-Chloro-3-methylphenol
Concen: 38.789 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:107 Resp: 517126

Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.0	31.4
142	79.2	64.6	97.0

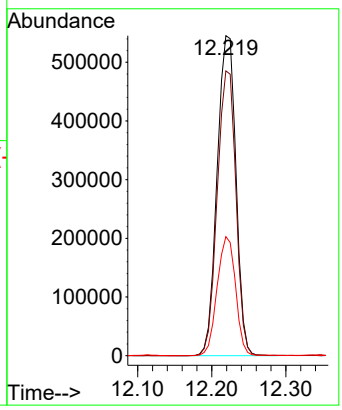




#37
2-Methylnaphthalene
Concen: 37.845 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:142 Resp: 96014

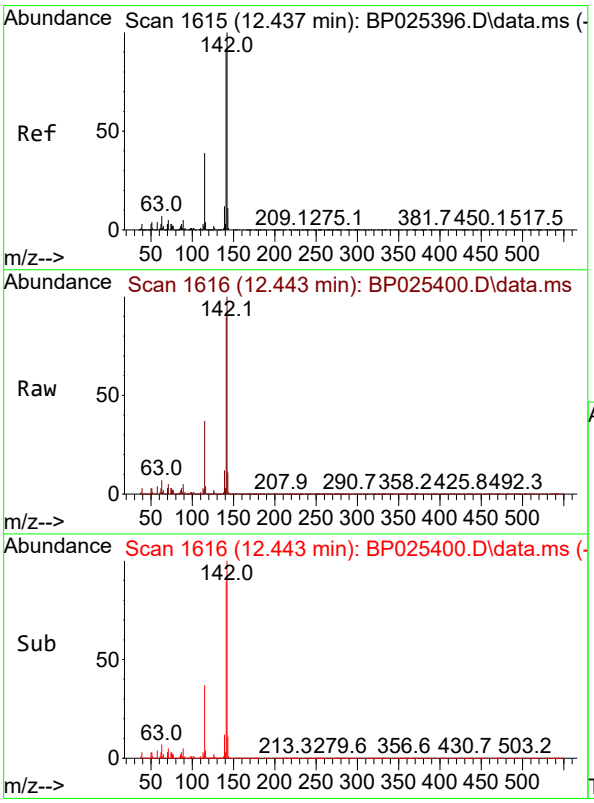
Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	37.2	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

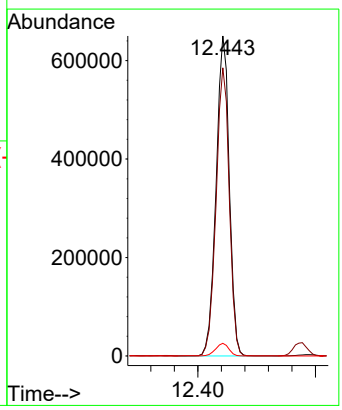
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

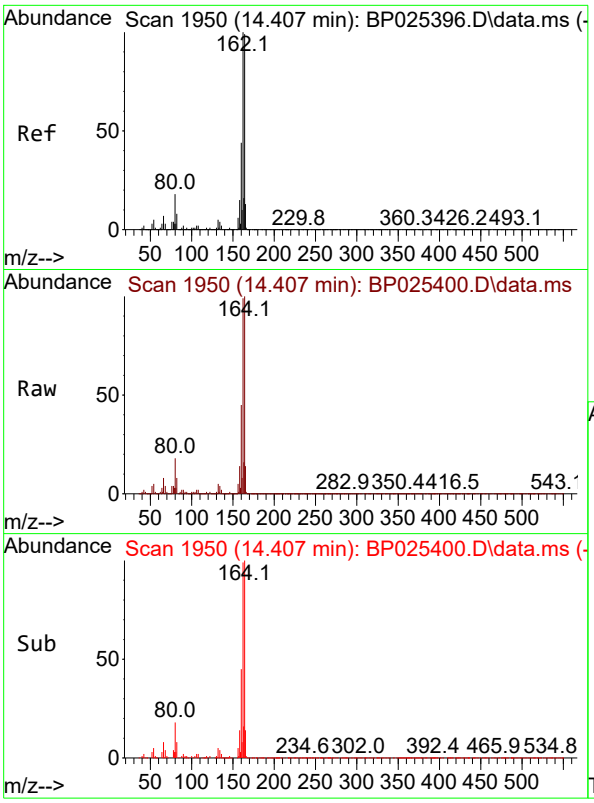


#38
1-Methylnaphthalene
Concen: 37.539 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:142 Resp: 1012844

Ion	Ratio	Lower	Upper
142	100		
141	90.0	73.1	109.7
116	3.9	3.2	4.8

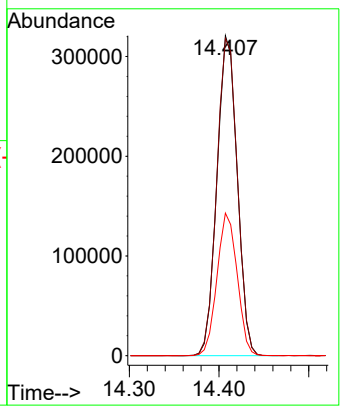




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:164 Resp: 50323

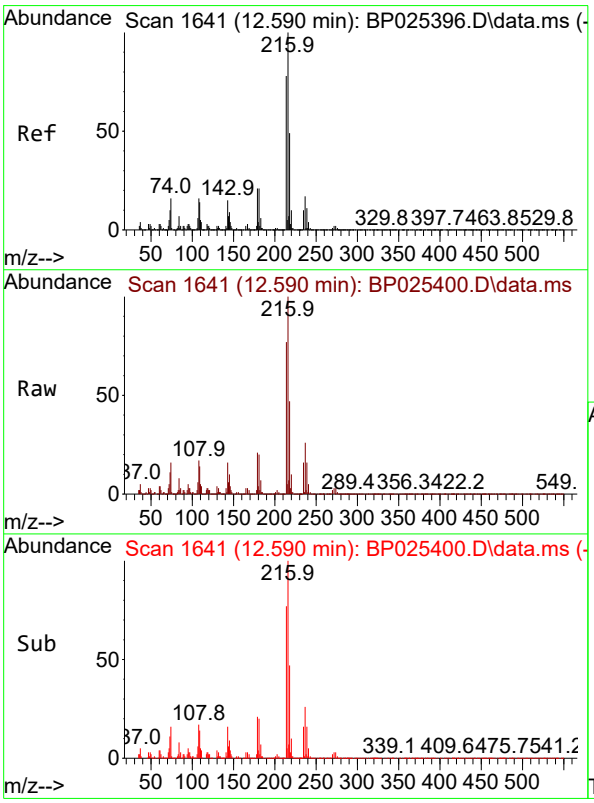
Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.0	121.6
160	44.5	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

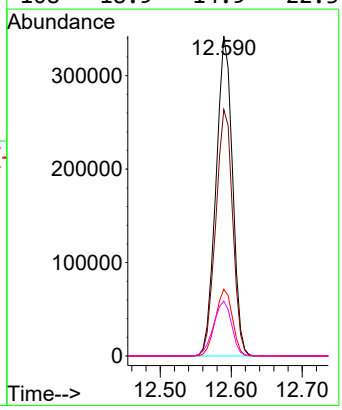
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

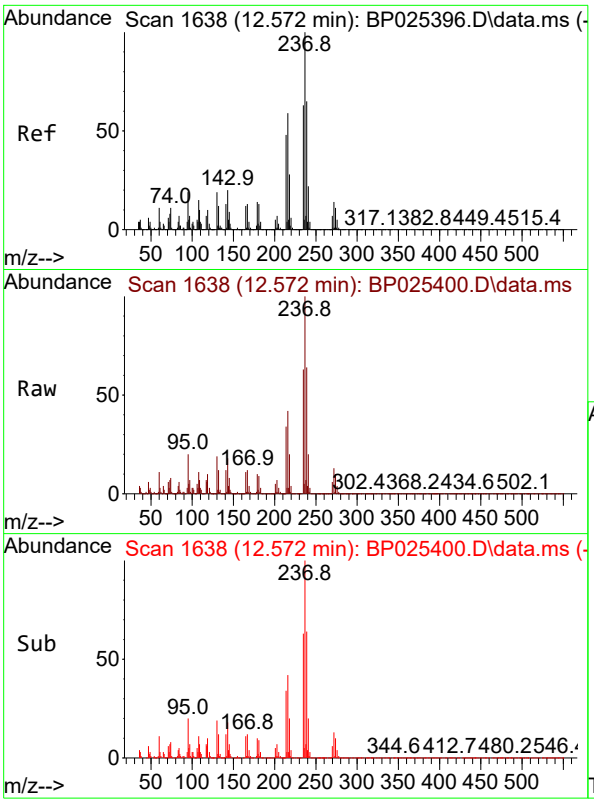


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.895 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:216 Resp: 550777

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	21.4	17.1	25.7
108	18.9	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 40.074 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

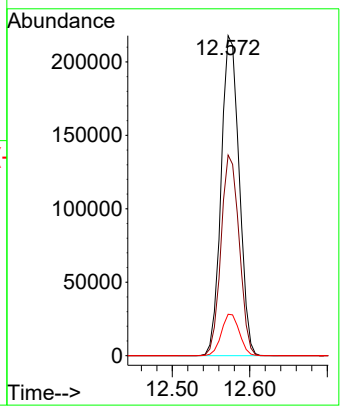
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

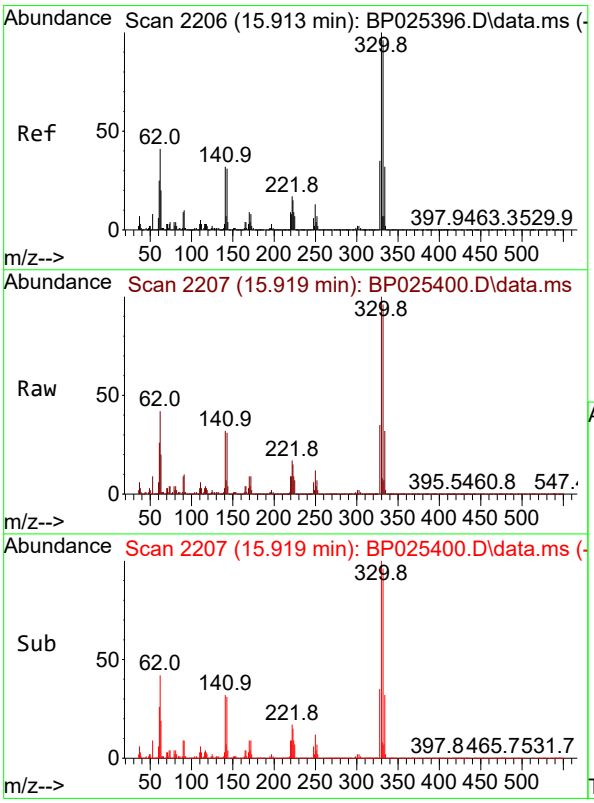
Tgt Ion:237 Resp: 35181

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.7	82.7
272	13.0	0.0	34.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

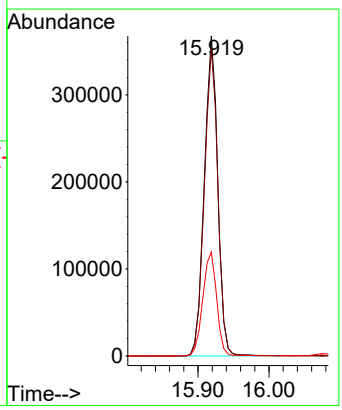


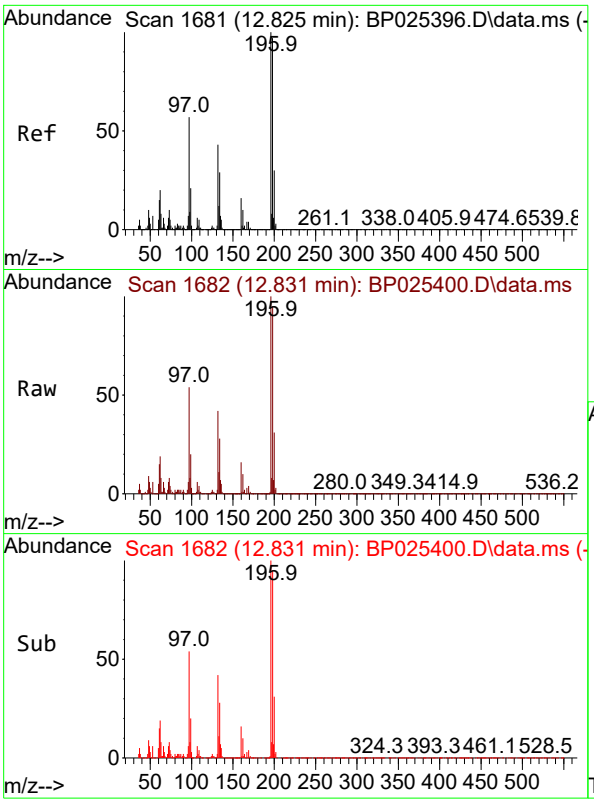


#42
2,4,6-Tribromophenol
Concen: 71.582 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:330 Resp: 484870

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	33.4	26.6	39.8

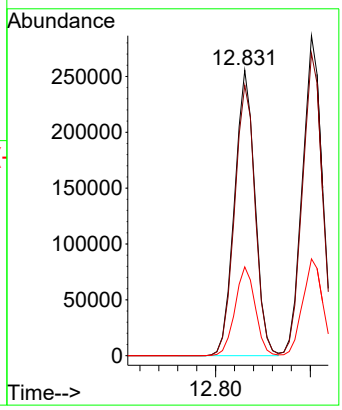




#43
2,4,6-Trichlorophenol
Concen: 38.972 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:196 Resp: 38239

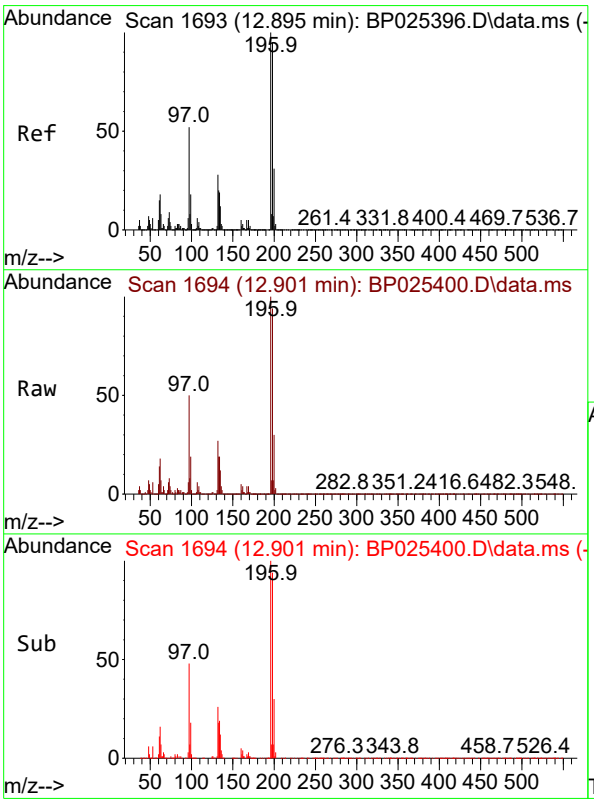
Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	31.1	23.9	35.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

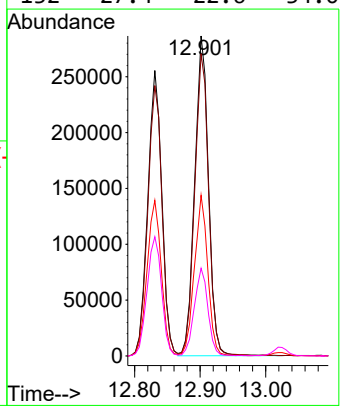
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

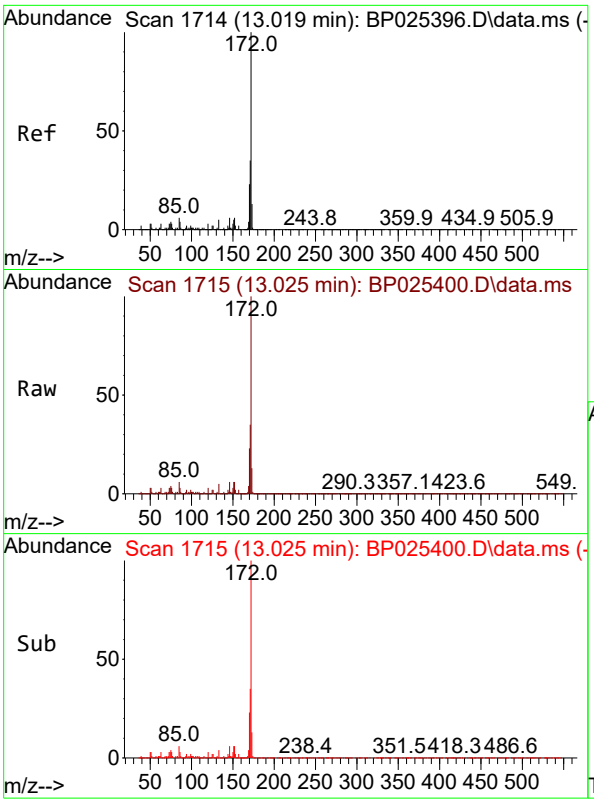


#44
2,4,5-Trichlorophenol
Concen: 39.108 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:196 Resp: 420565

Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.2	114.2
97	50.2	41.2	61.8
132	27.4	22.6	34.0

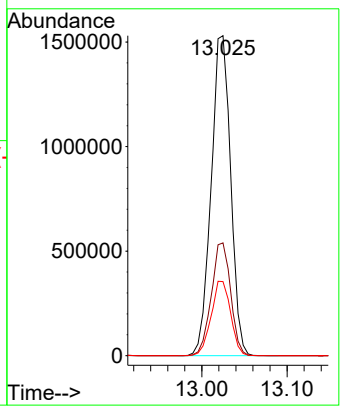




#45
2-Fluorobiphenyl
Concen: 66.016 ng
RT: 13.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:172 Resp: 243082

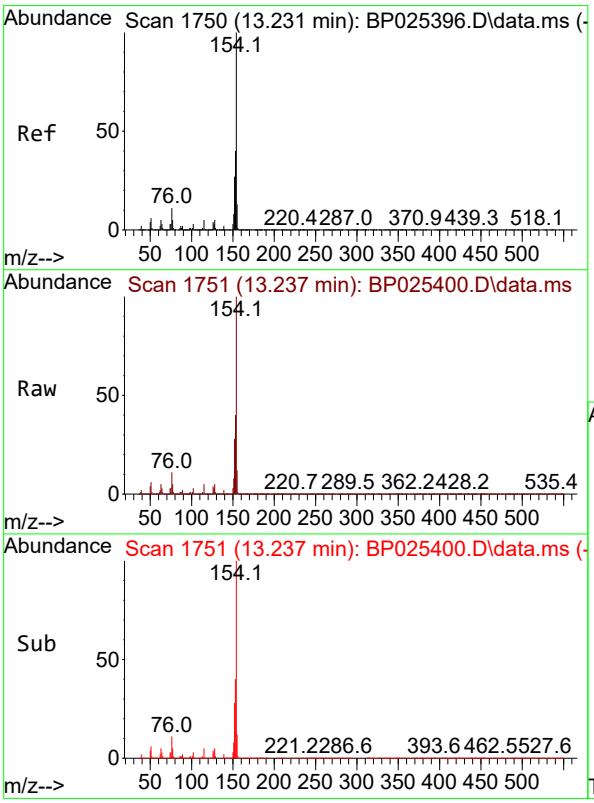
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.1	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

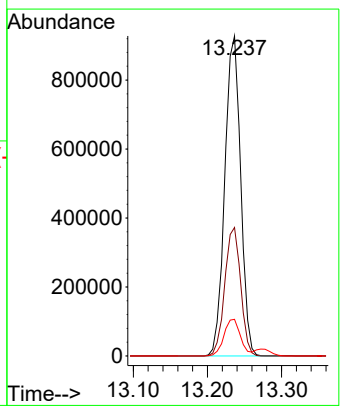
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

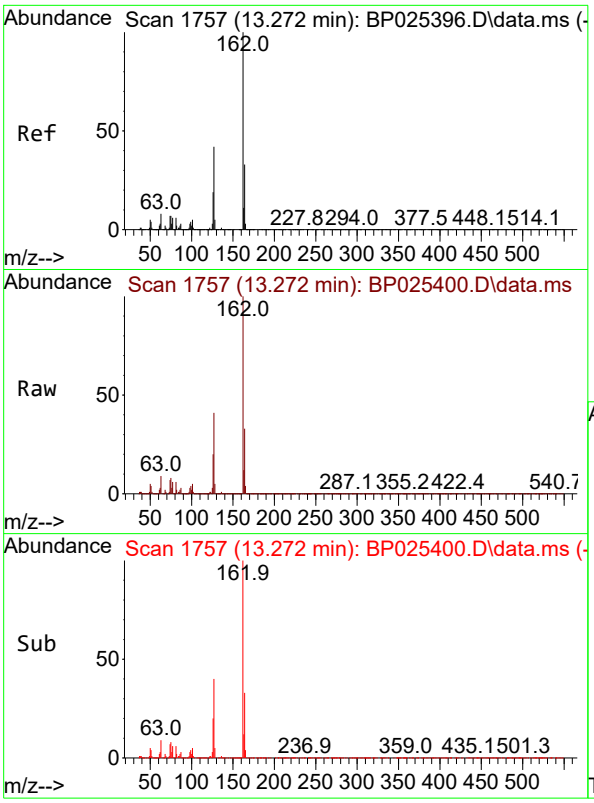


#46
1,1'-Biphenyl
Concen: 37.672 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:154 Resp: 1376834

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.5	59.5
76	11.4	0.0	31.1

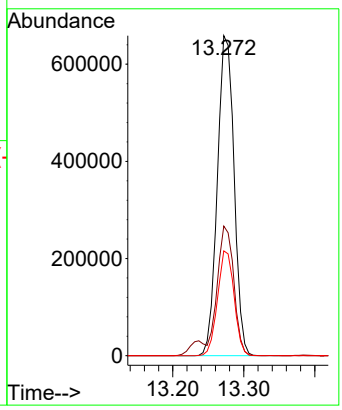




#47
2-Chloronaphthalene
Concen: 37.682 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:162 Resp: 107214

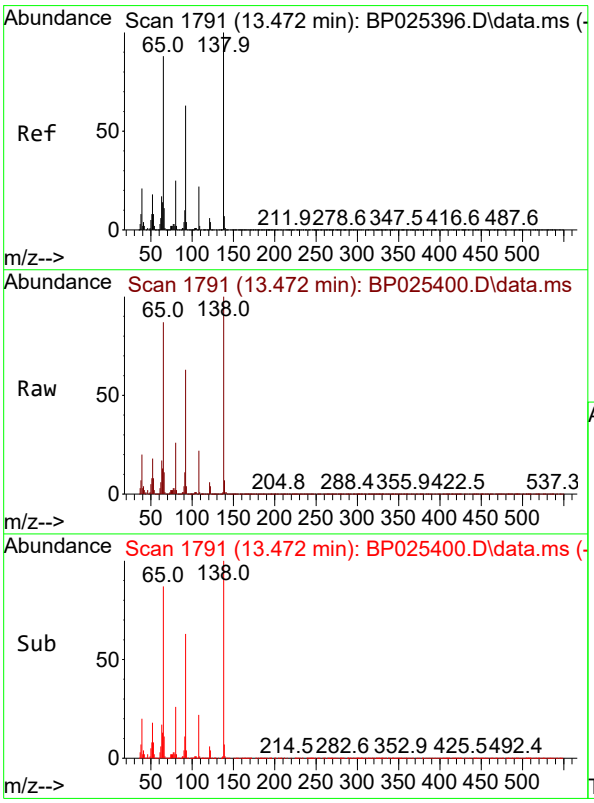
Ion	Ratio	Lower	Upper
162	100		
127	40.5	33.4	50.2
164	32.8	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

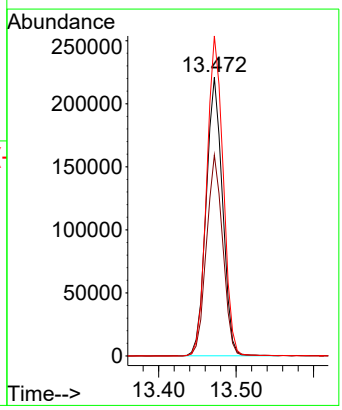
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

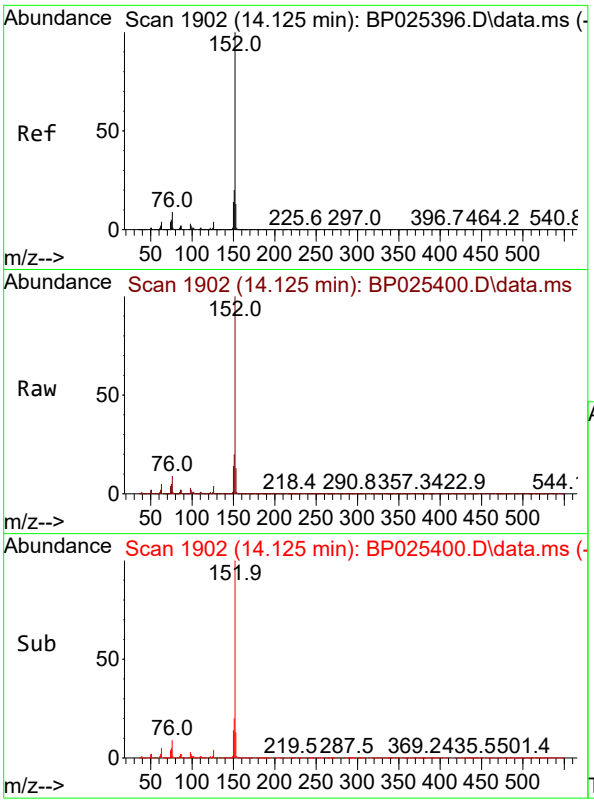


#48
2-Nitroaniline
Concen: 39.081 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 65 Resp: 323995

Ion	Ratio	Lower	Upper
65	100		
92	72.2	57.6	86.4
138	114.9	91.0	136.6

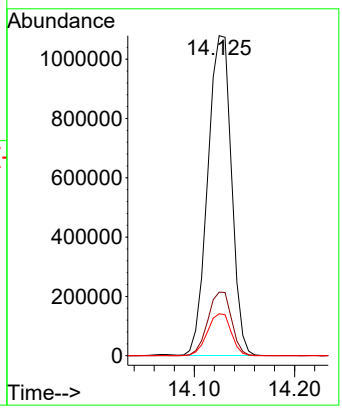




#49
Acenaphthylene
Concen: 37.720 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:152 Resp: 177589

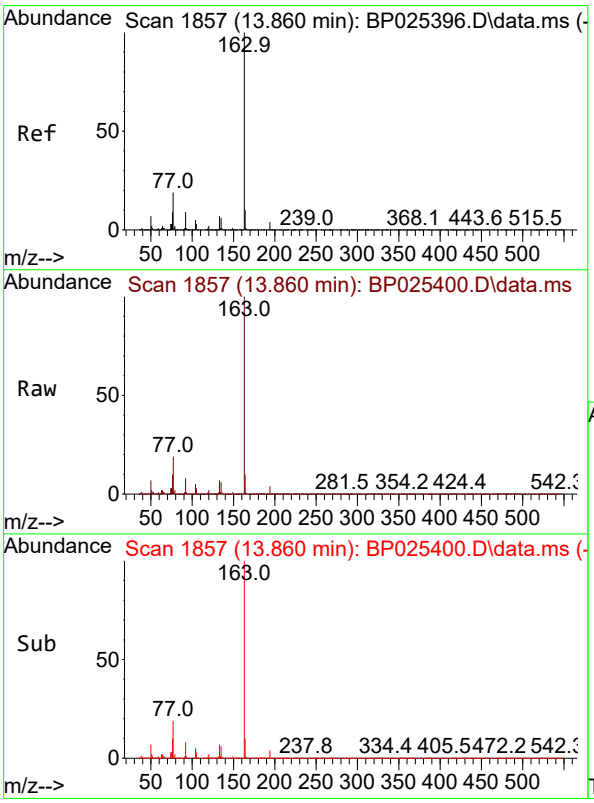
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.1	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

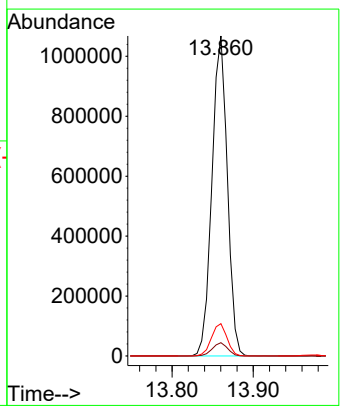
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

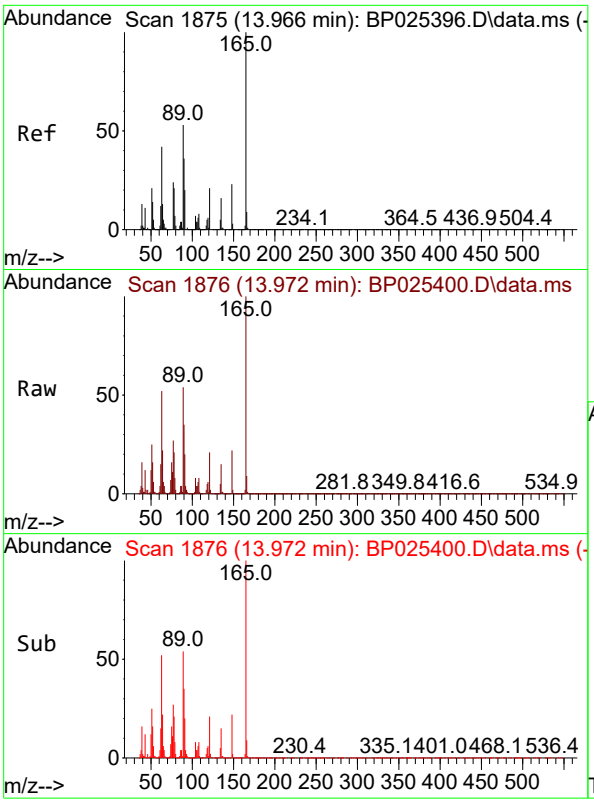


#50
Dimethylphthalate
Concen: 38.170 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:163 Resp: 1406620

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.1	7.9	11.9

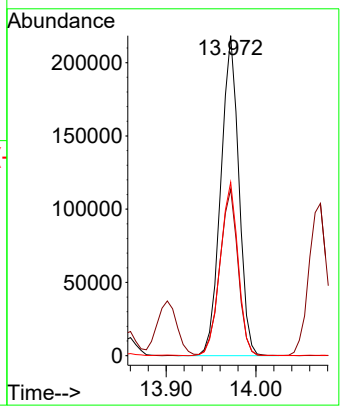




#51
2,6-Dinitrotoluene
Concen: 39.211 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:165 Resp: 30456

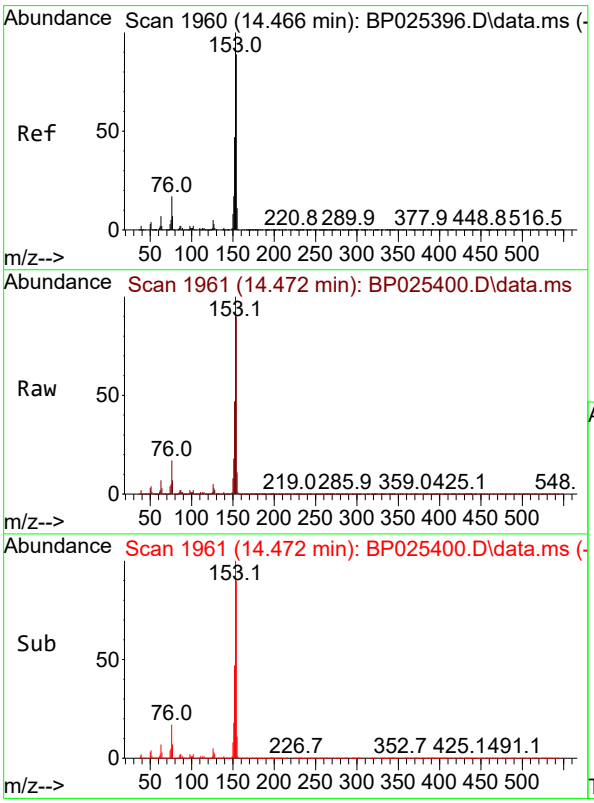
Ion	Ratio	Lower	Upper
165	100		
63	52.1	40.9	61.3
89	54.2	42.1	63.1



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

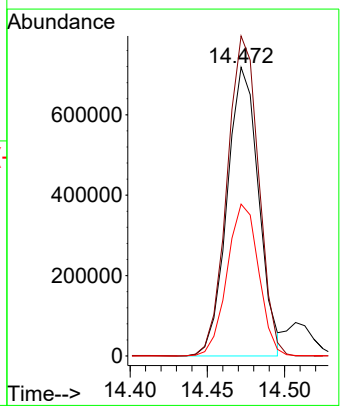
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

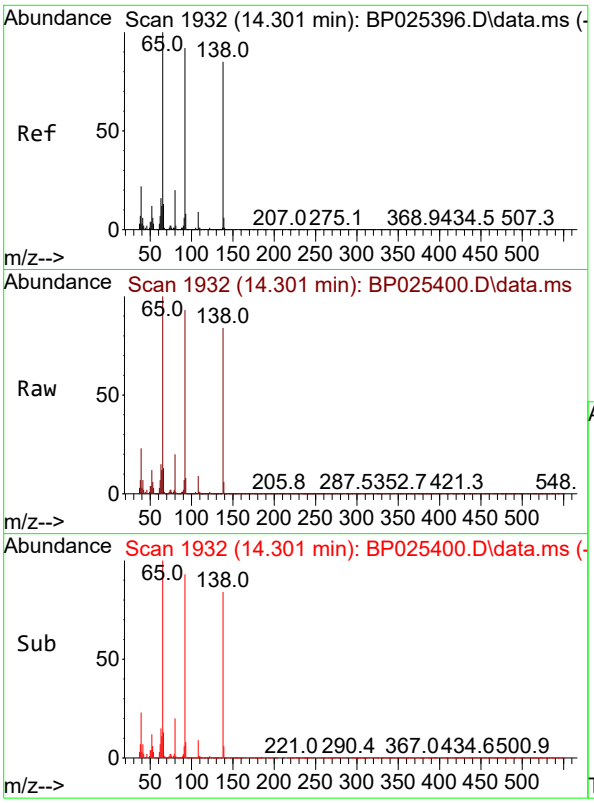


#52
Acenaphthene
Concen: 36.837 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:154 Resp: 1018011

Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.2	135.2
152	52.6	42.1	63.1





#53
3-Nitroaniline
Concen: 40.027 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

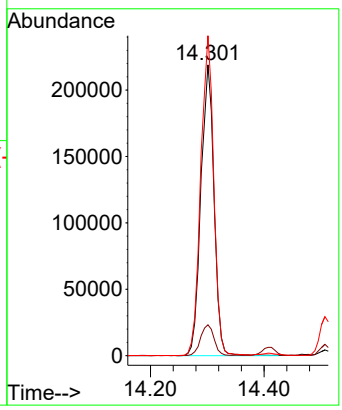
Tgt Ion:138 Resp: 34979

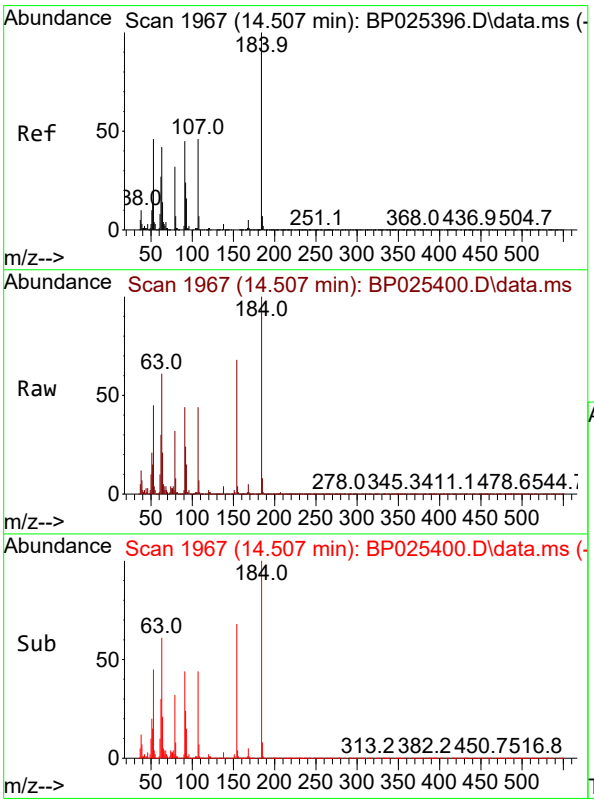
Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.3	12.5
92	110.0	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

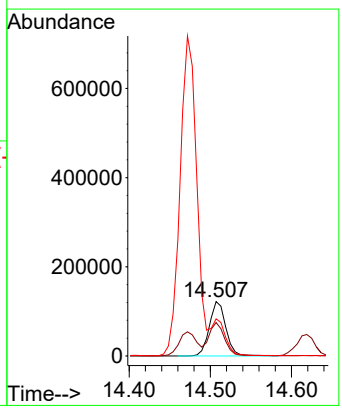


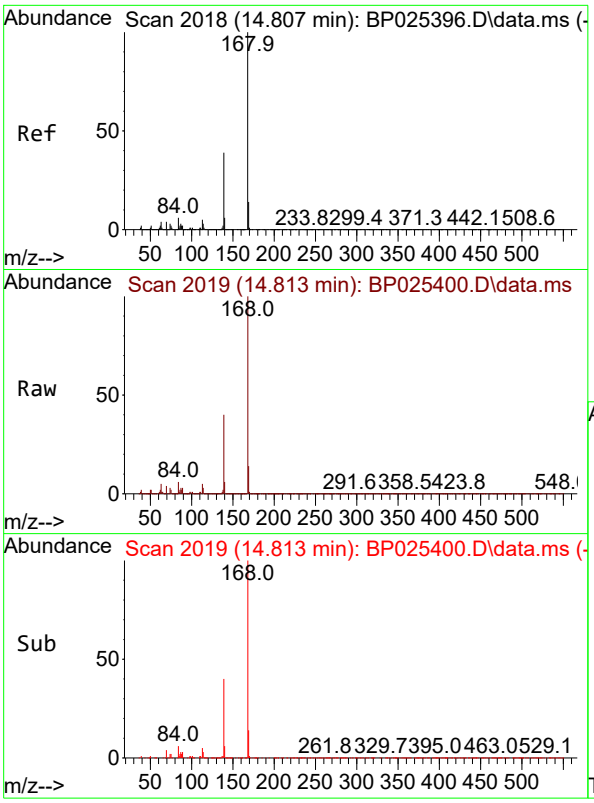


#54
2,4-Dinitrophenol
Concen: 41.646 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:184 Resp: 172743

Ion	Ratio	Lower	Upper
184	100		
63	61.3	49.4	74.2
154	68.1	54.6	82.0

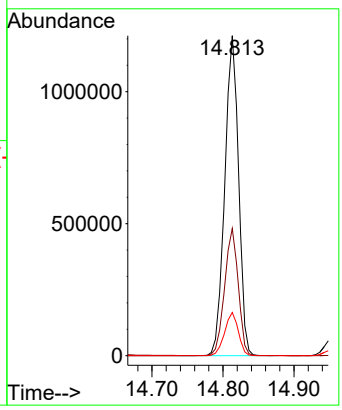




#55
Dibenzofuran
Concen: 37.324 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:168 Resp: 163074

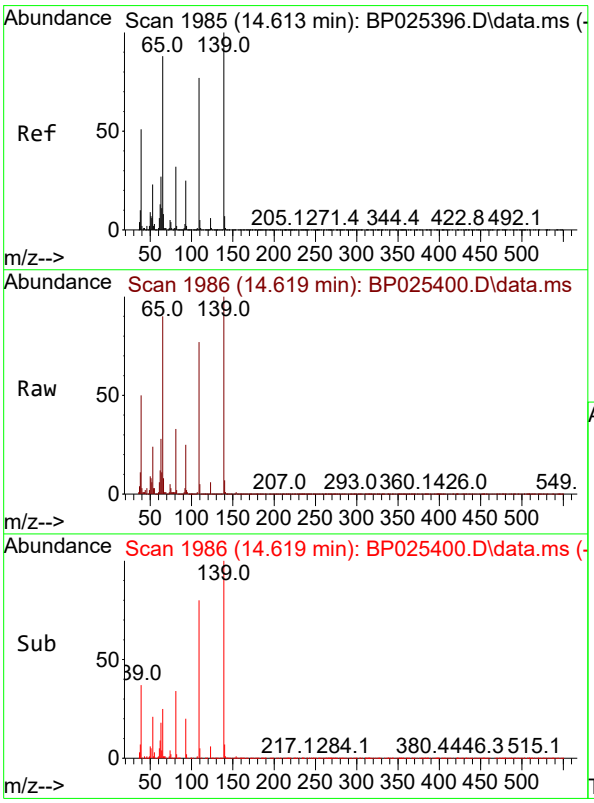
Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.5	47.3
169	13.5	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

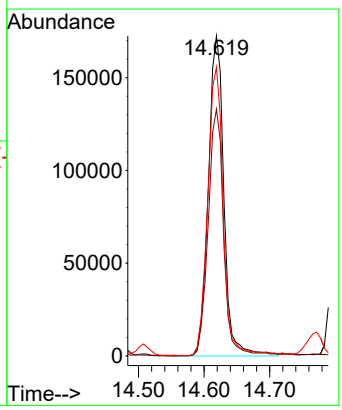
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

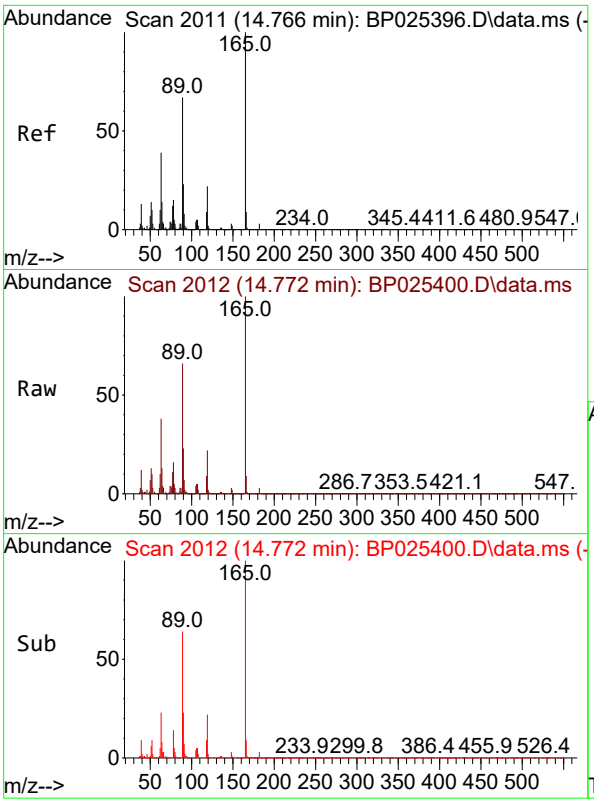


#56
4-Nitrophenol
Concen: 39.630 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:139 Resp: 284585

Ion	Ratio	Lower	Upper
139	100		
109	77.1	56.6	96.6
65	90.2	68.2	108.2

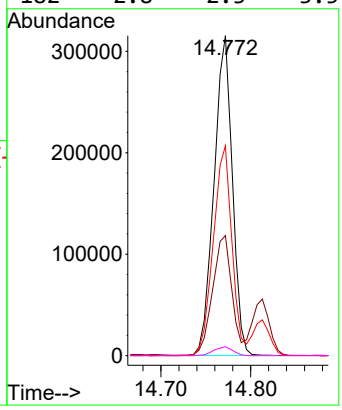




#57
2,4-Dinitrotoluene
Concen: 40.439 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:165 Resp: 44814

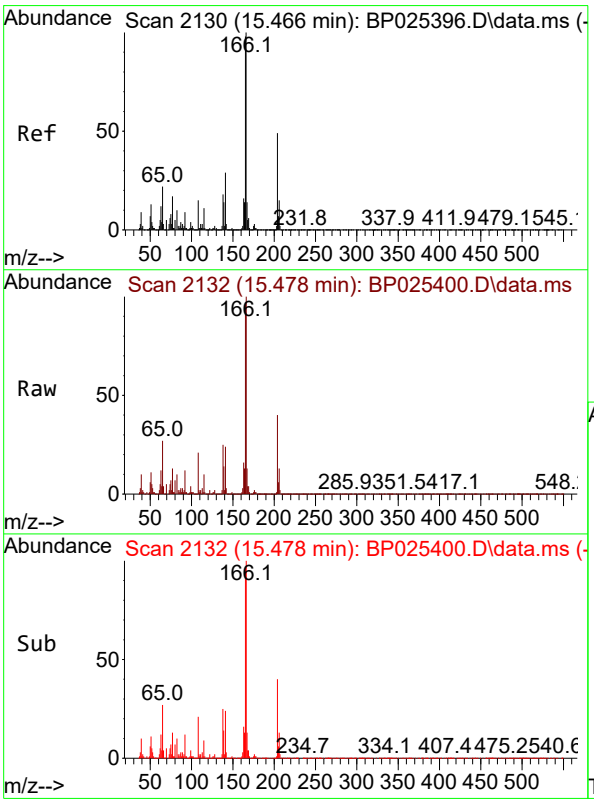
Ion	Ratio	Lower	Upper
165	100		
63	37.5	31.4	47.2
89	65.6	53.3	79.9
182	2.8	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

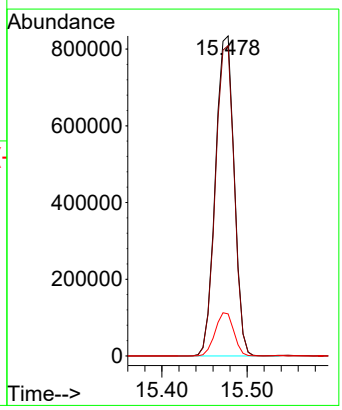
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

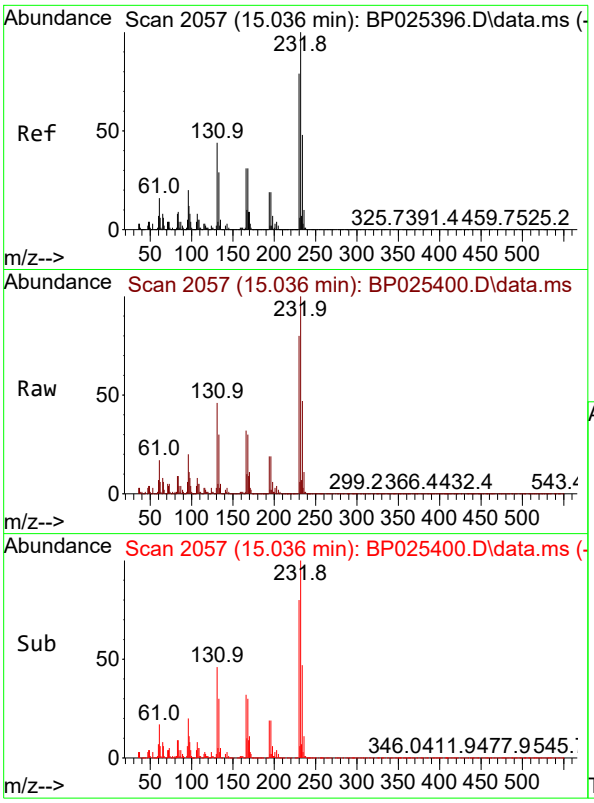


#58
Fluorene
Concen: 36.992 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:166 Resp: 1275341

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.8	118.2
167	13.2	11.0	16.4

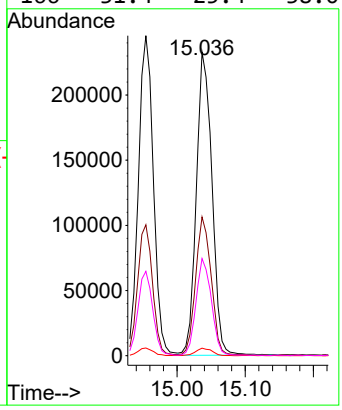




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.147 ng
RT: 15.036 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:232 Resp: 37171

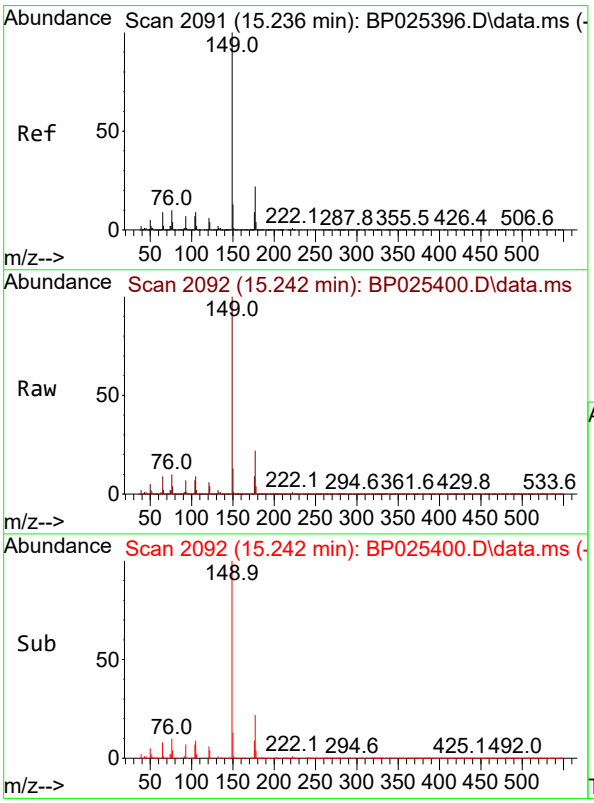
Ion	Ratio	Lower	Upper
232	100		
131	45.3	37.0	55.6
130	2.6	1.9	2.9
166	31.4	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

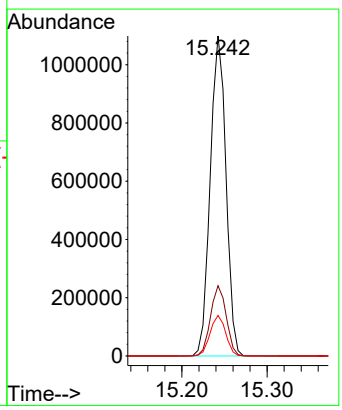
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

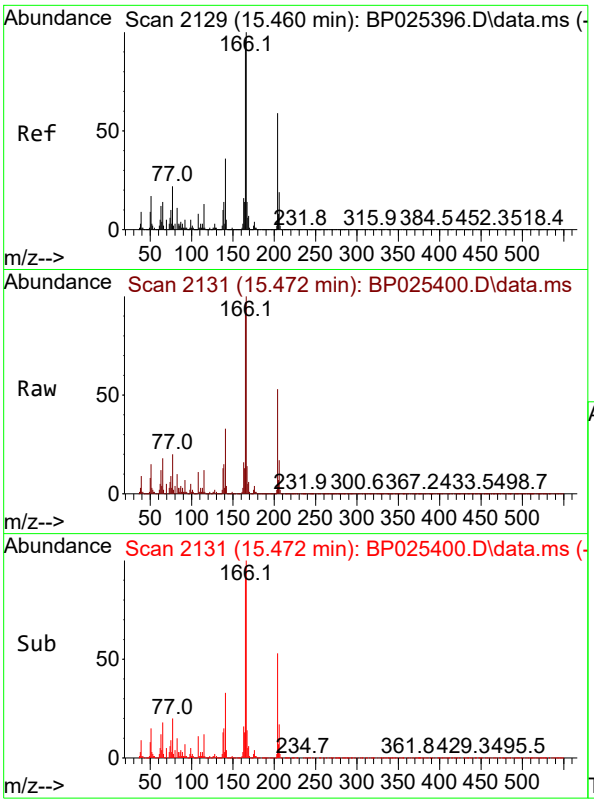


#60
Diethylphthalate
Concen: 37.810 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1415787

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.3	25.9
150	12.7	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 36.596 ng
RT: 15.472 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

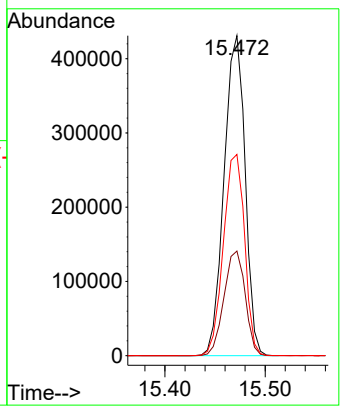
Tgt Ion:204 Resp: 62747

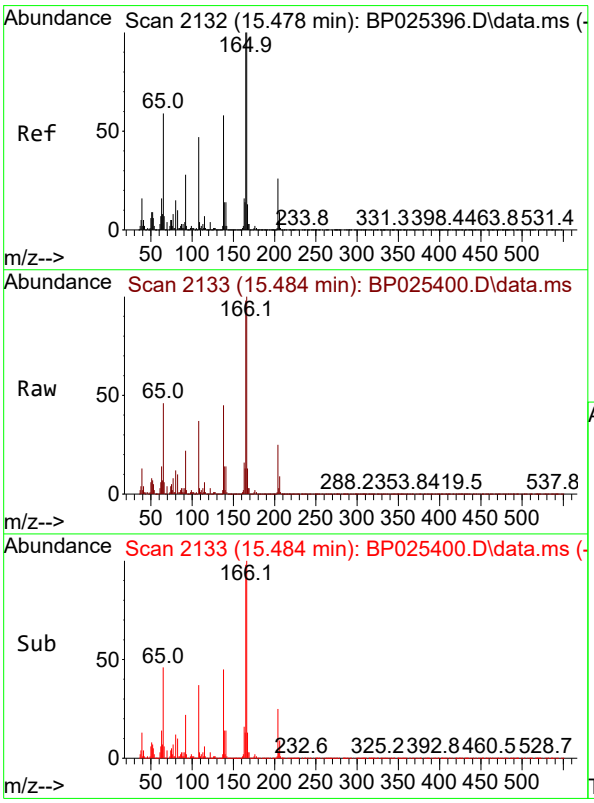
Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.8
141	62.9	49.4	74.2

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

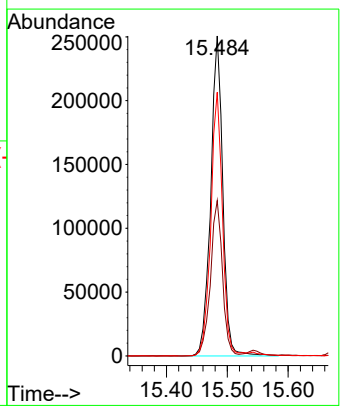


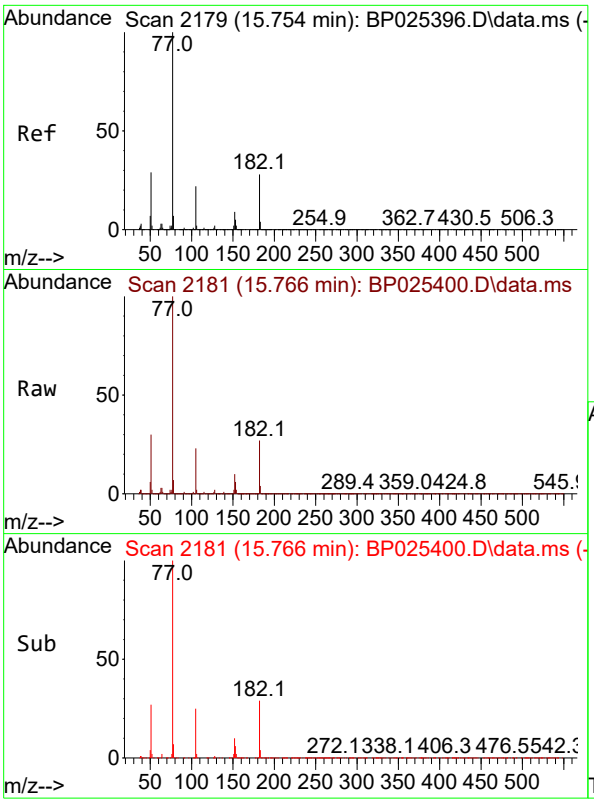


#62
4-Nitroaniline
Concen: 38.717 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:138 Resp: 346865

Ion	Ratio	Lower	Upper
138	100		
92	48.5	29.1	69.1
108	82.4	61.5	101.5

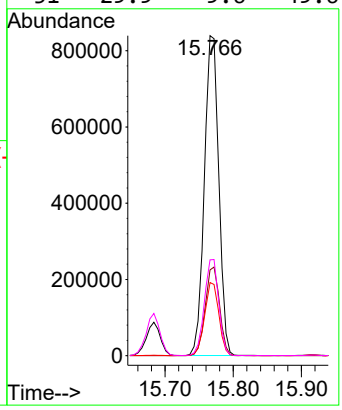




#63
Azobenzene
Concen: 38.526 ng
RT: 15.766 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 77 Resp: 123524

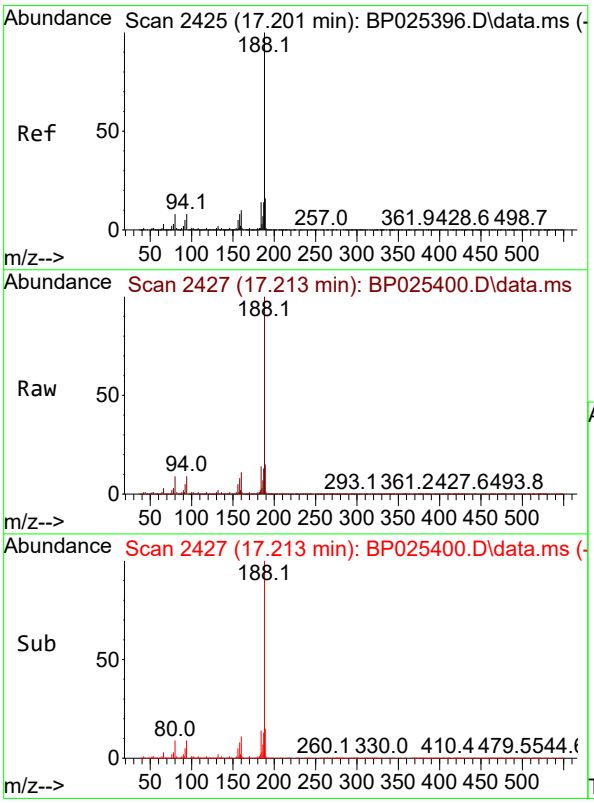
Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.5	47.5
105	22.8	2.1	42.1
51	29.9	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

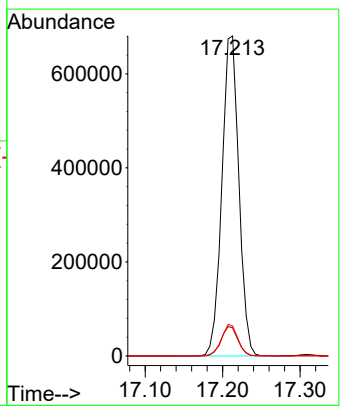
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

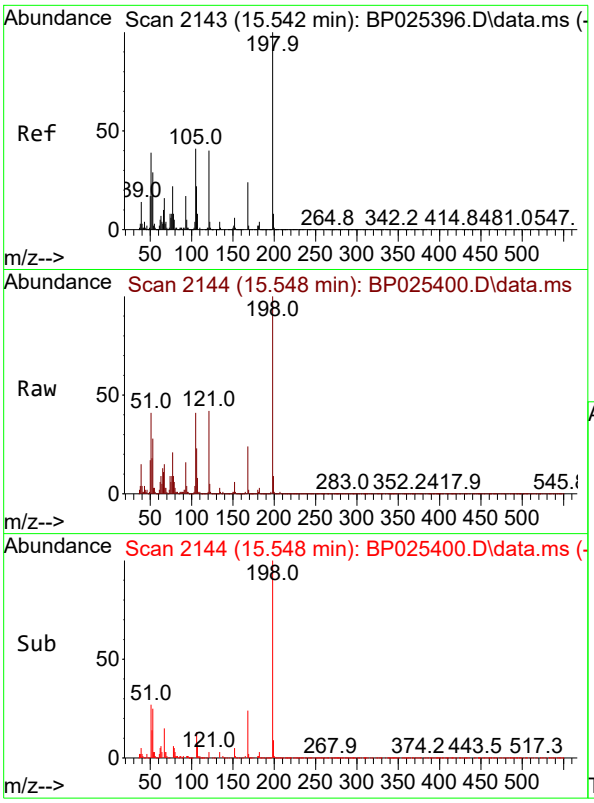


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:188 Resp: 1034378

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.4	6.7	10.1

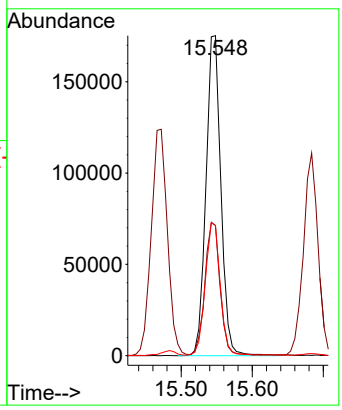




#65
4,6-Dinitro-2-methylphenol
Concen: 39.721 ng
RT: 15.548 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:198 Resp: 25611

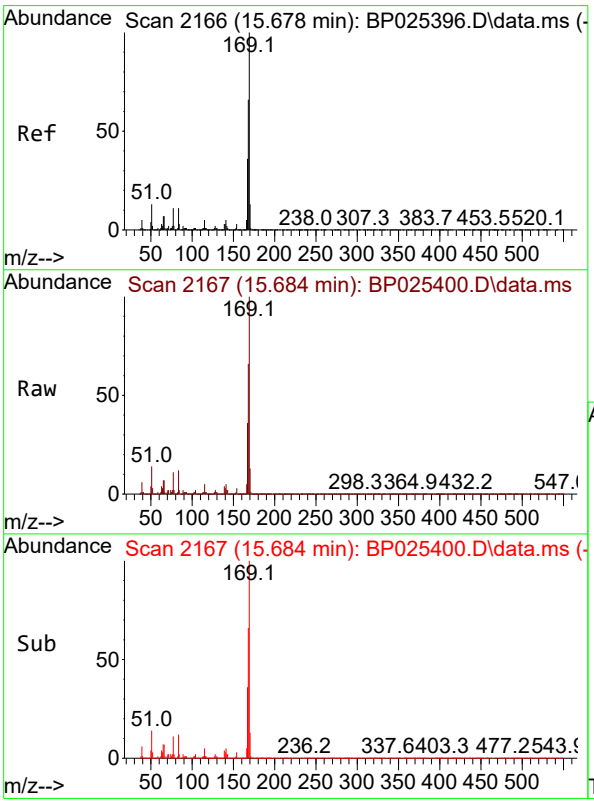
Ion	Ratio	Lower	Upper
198	100		
51	40.6	19.6	59.6
105	40.7	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

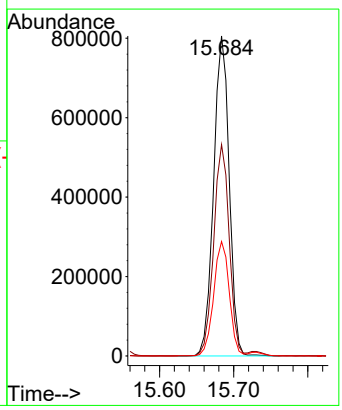
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

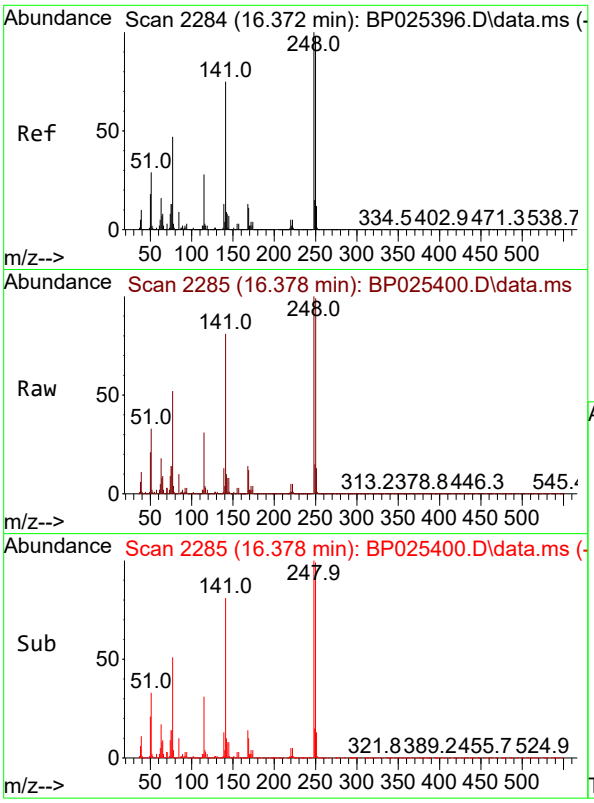


#66
n-Nitrosodiphenylamine
Concen: 37.227 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:169 Resp: 1174244

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.2	79.8
167	35.7	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 37.101 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

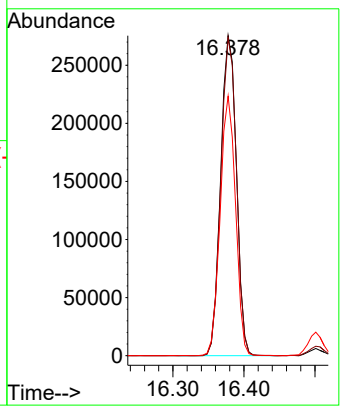
Tgt Ion:248 Resp: 42207

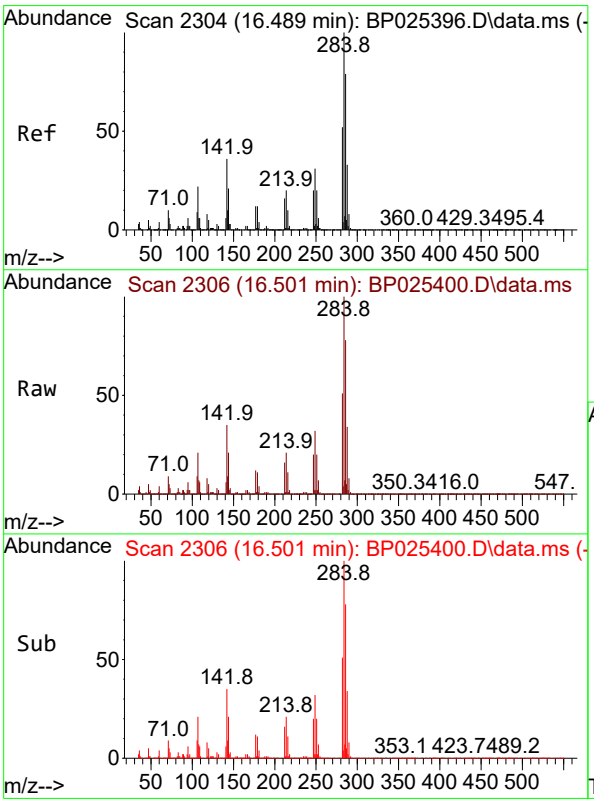
Ion	Ratio	Lower	Upper
248	100		
250	99.4	78.2	117.2
141	81.1	59.6	89.4

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

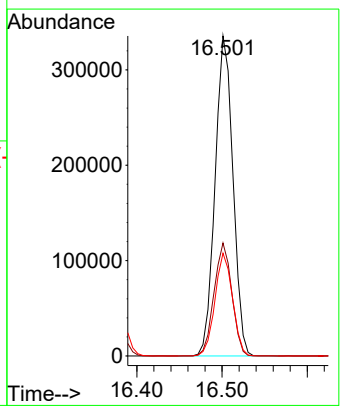


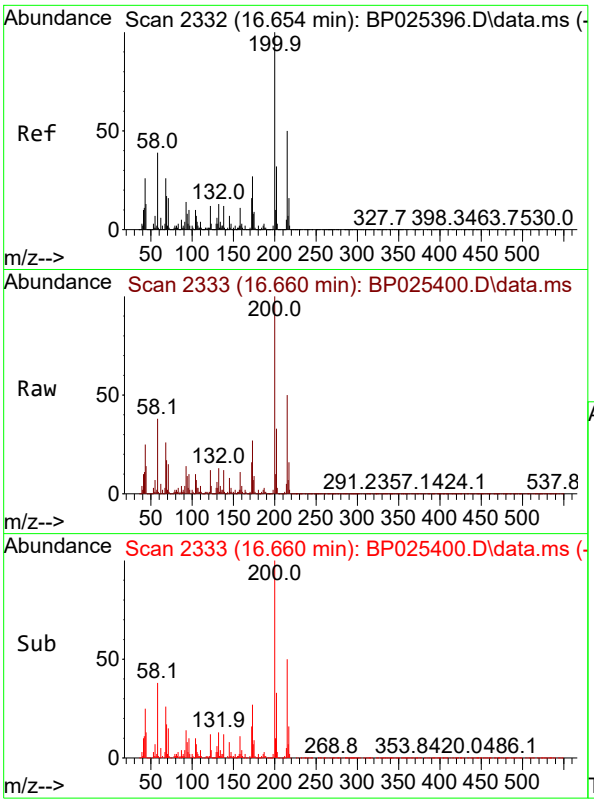


#68
Hexachlorobenzene
Concen: 37.062 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:284 Resp: 488749

Ion	Ratio	Lower	Upper
284	100		
142	35.3	29.1	43.7
249	32.1	25.0	37.4

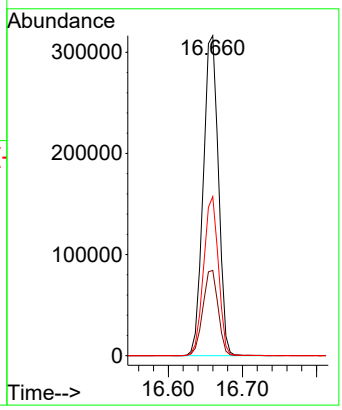




#69
Atrazine
Concen: 38.057 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:200 Resp: 44955

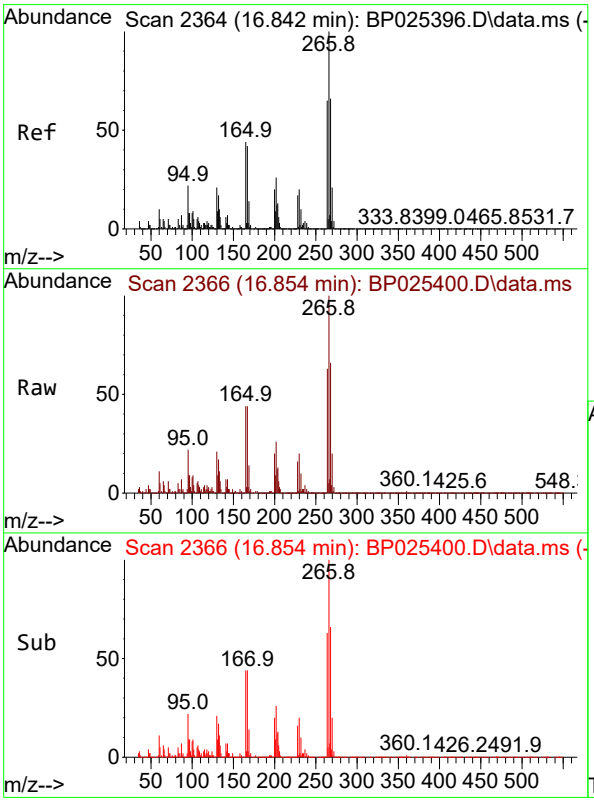
Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.7	46.7
215	49.7	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

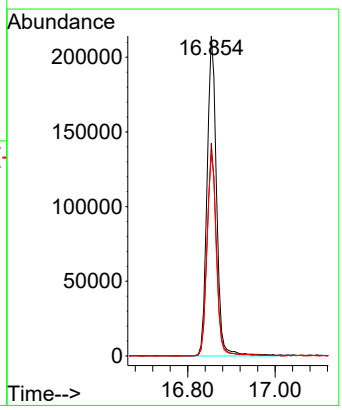
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

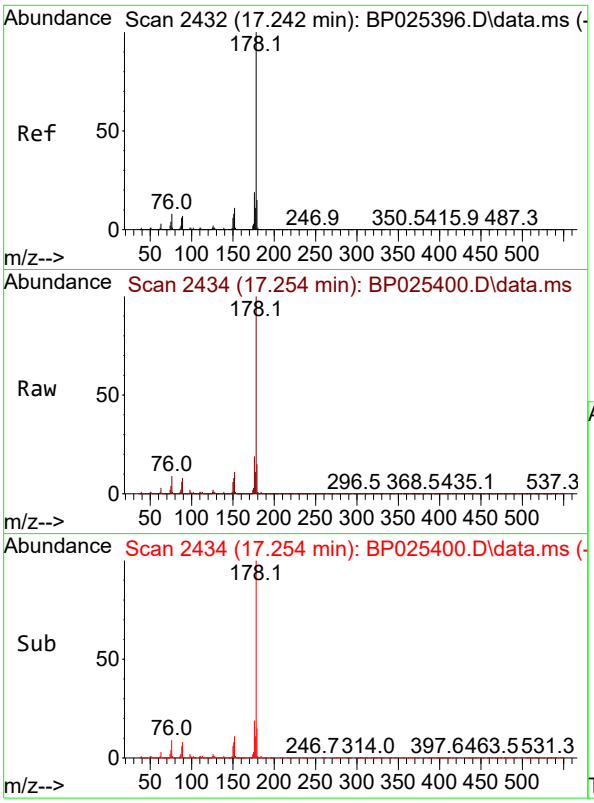


#70
Pentachlorophenol
Concen: 38.733 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:266 Resp: 322435

Ion	Ratio	Lower	Upper
266	100		
268	66.4	52.6	79.0
264	63.2	52.0	78.0

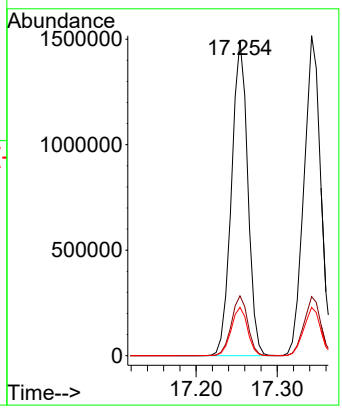




#71
Phenanthrene
Concen: 36.445 ng
RT: 17.254 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:178 Resp: 207087

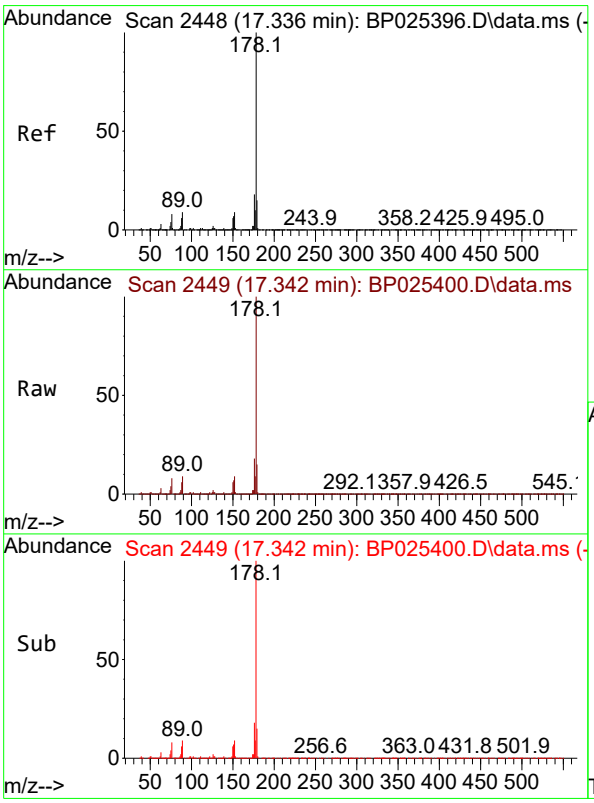
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

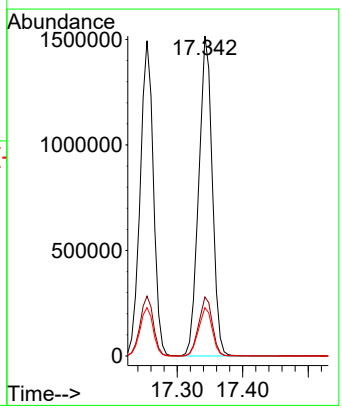
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

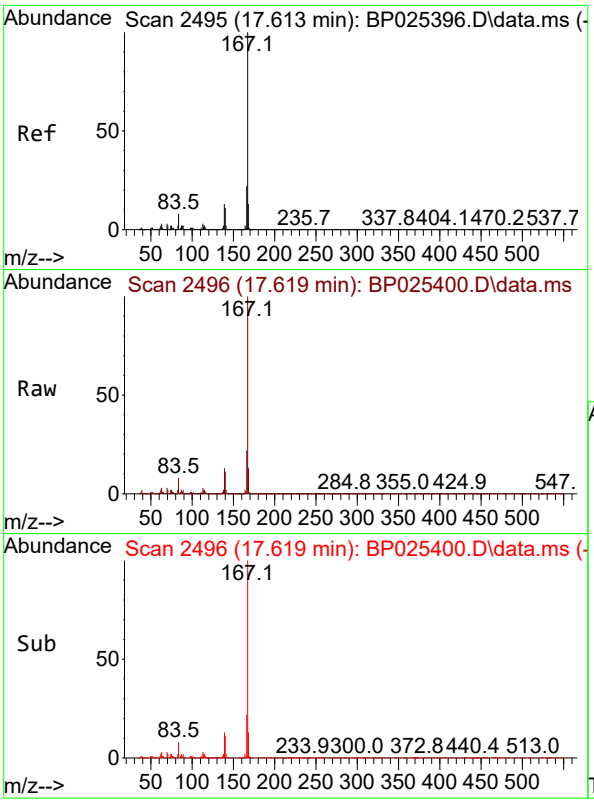


#72
Anthracene
Concen: 37.563 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:178 Resp: 2179669

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.1	12.2	18.2

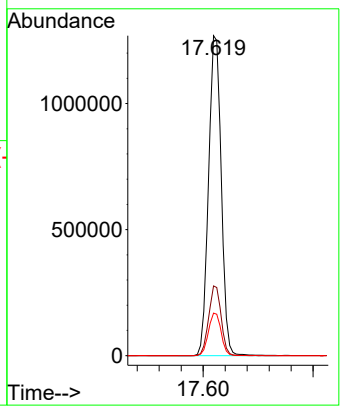




#73
Carbazole
Concen: 37.116 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:167 Resp: 202859

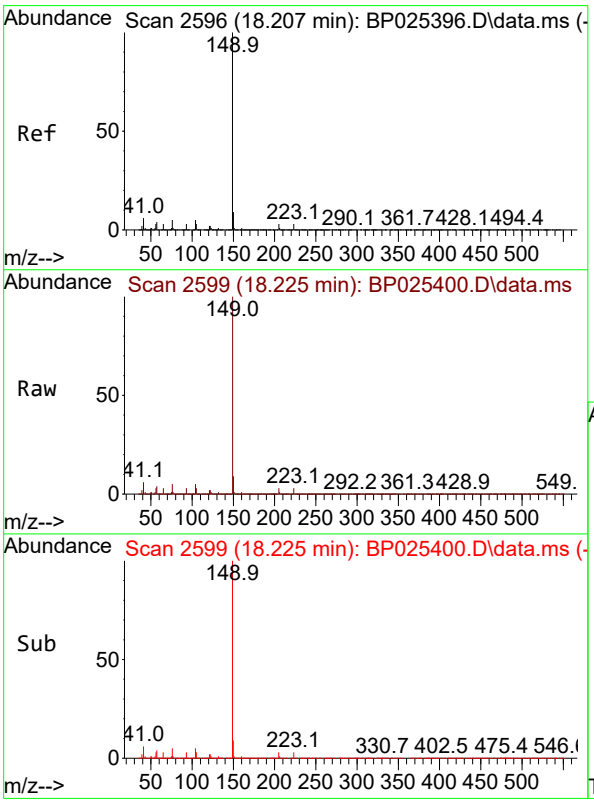
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

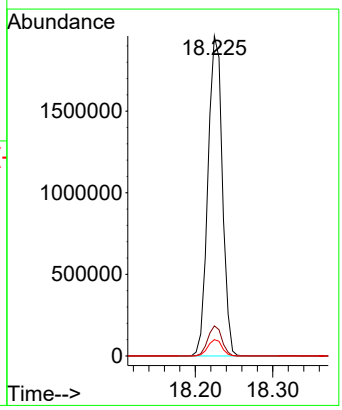
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

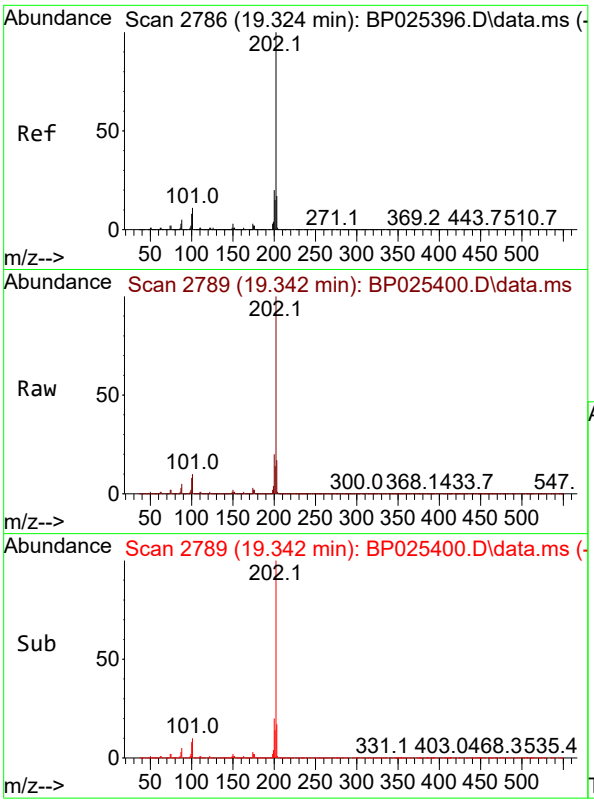


#74
Di-n-butylphthalate
Concen: 37.602 ng
RT: 18.225 min Scan# 2599
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 2528547

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.1	4.2	6.2

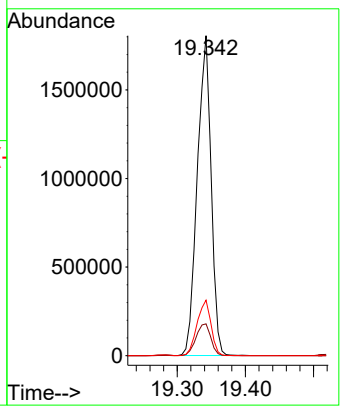




#75
Fluoranthene
Concen: 37.481 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:202 Resp: 254041

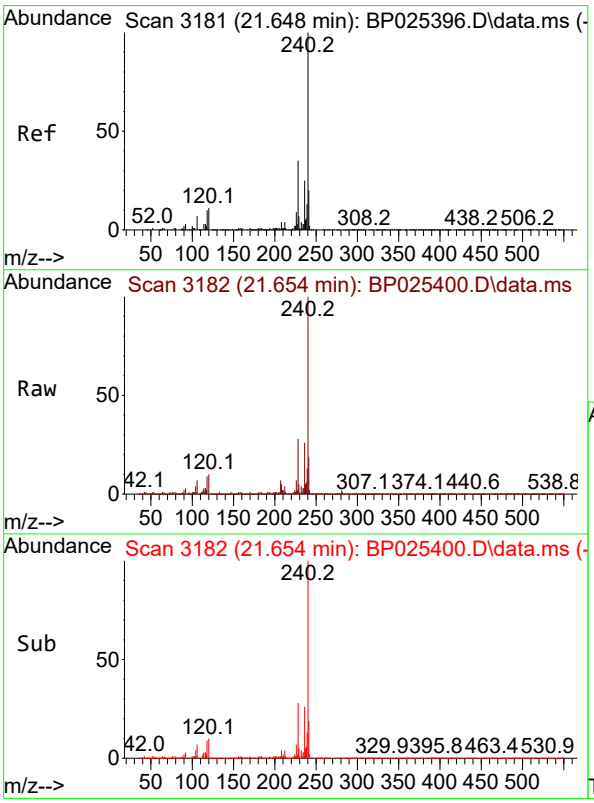
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.1
203	17.4	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

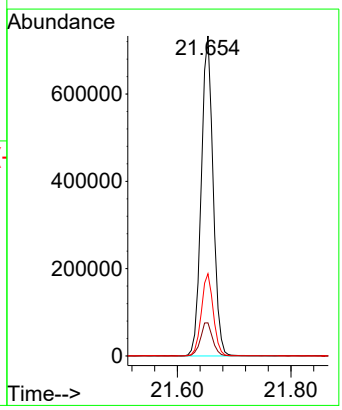
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

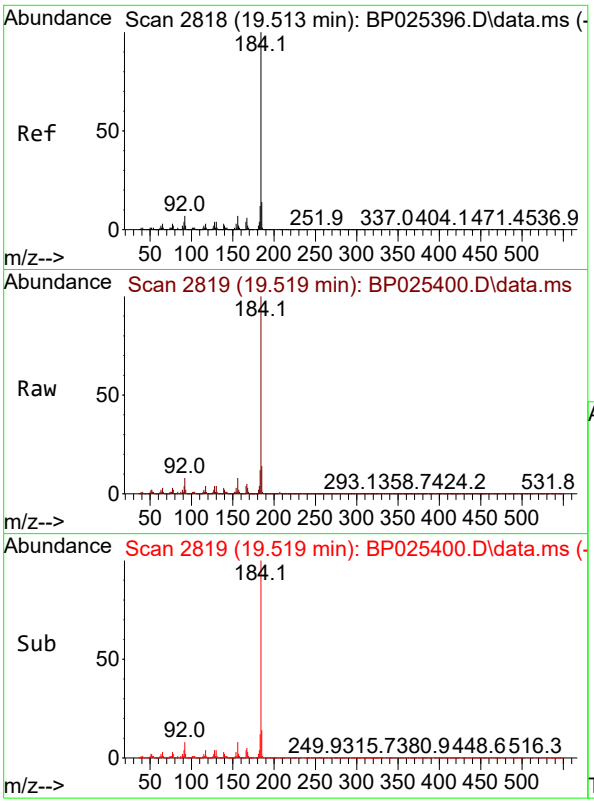


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:240 Resp: 1060337

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.7	19.8	29.8

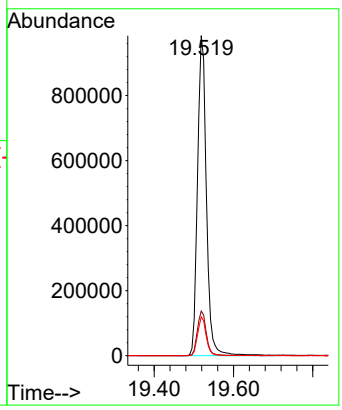




#77
Benzidine
Concen: 42.271 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:184 Resp: 152965

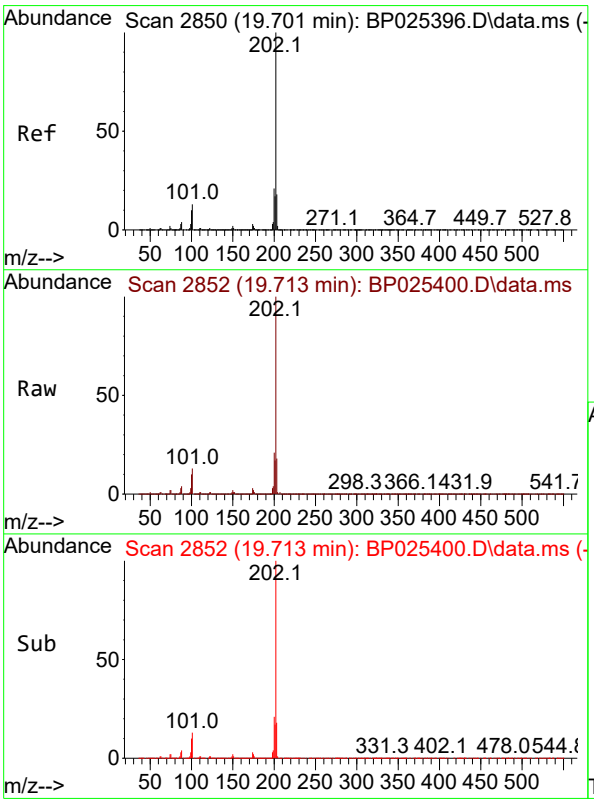
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	12.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

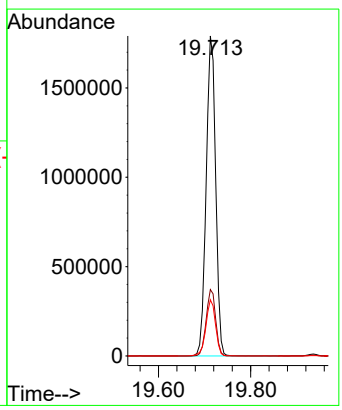
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

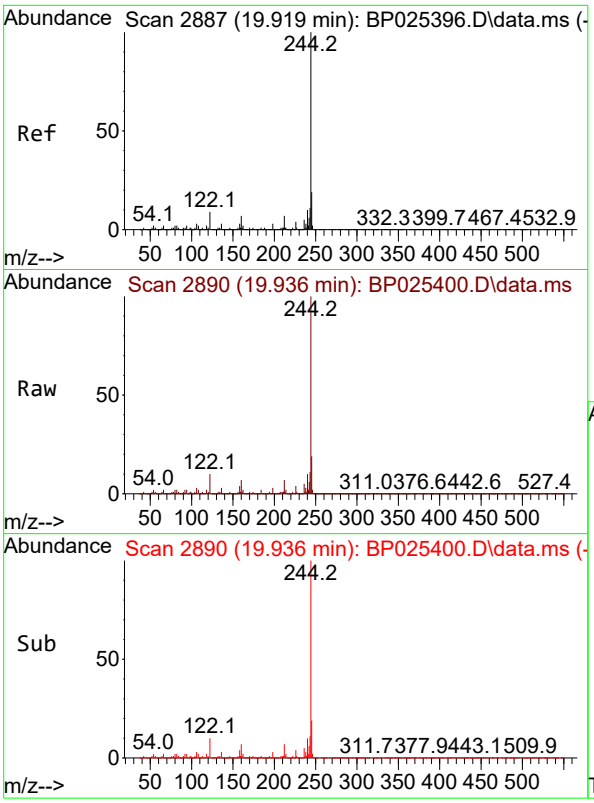


#78
Pyrene
Concen: 37.404 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:202 Resp: 2577810

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.5	14.2	21.2

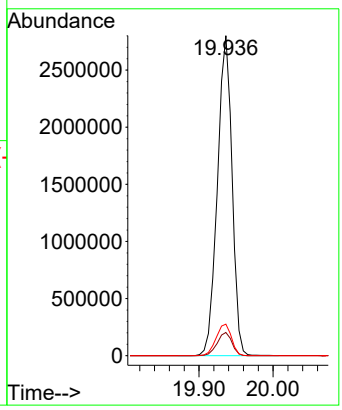




#79
Terphenyl-d14
Concen: 66.399 ng
RT: 19.936 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:244 Resp: 384816

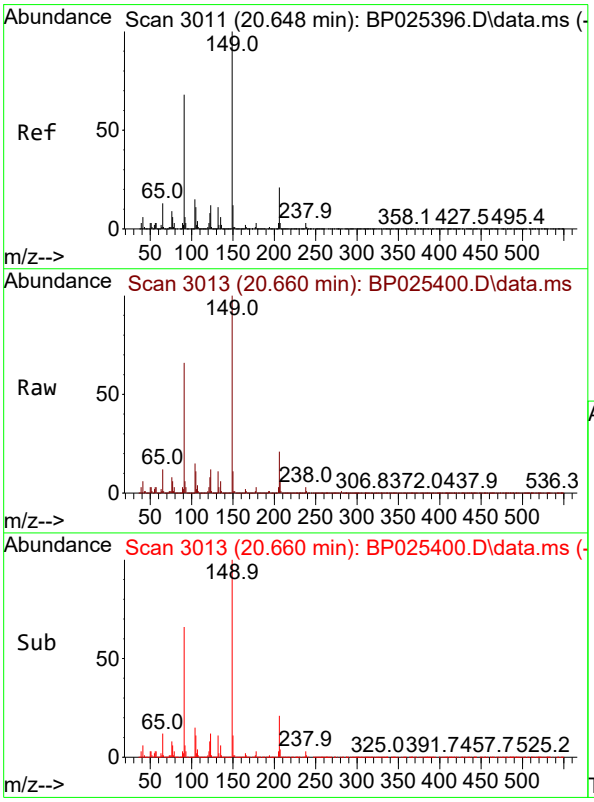
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.9	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

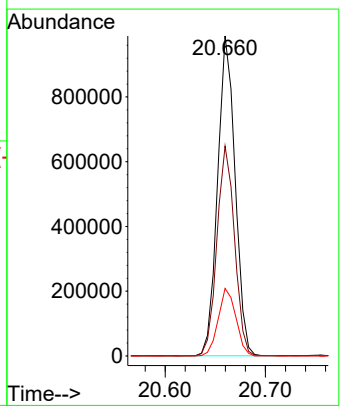
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

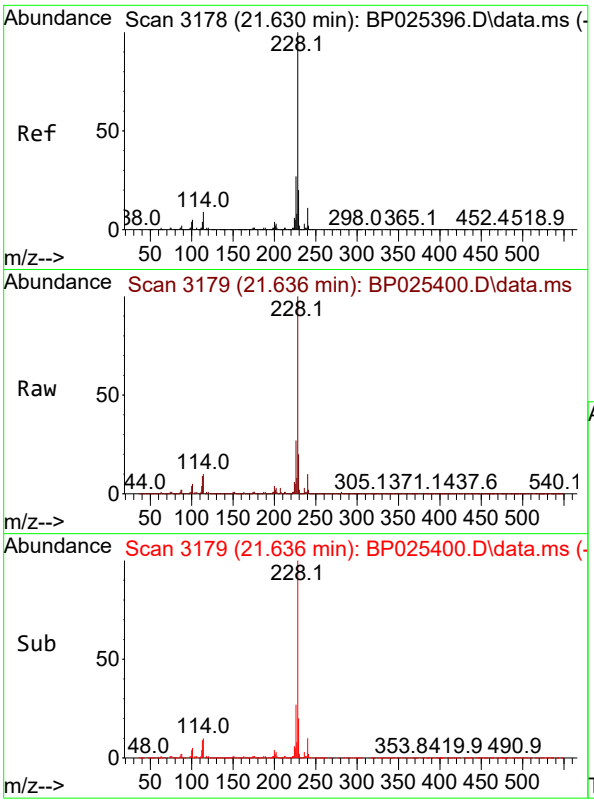


#80
Butylbenzylphthalate
Concen: 38.401 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1199445

Ion	Ratio	Lower	Upper
149	100		
91	65.6	54.2	81.2
206	21.1	16.6	24.8

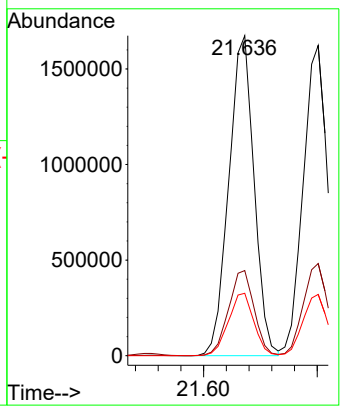




#81
Benzo(a)anthracene
Concen: 36.950 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:228 Resp: 258386

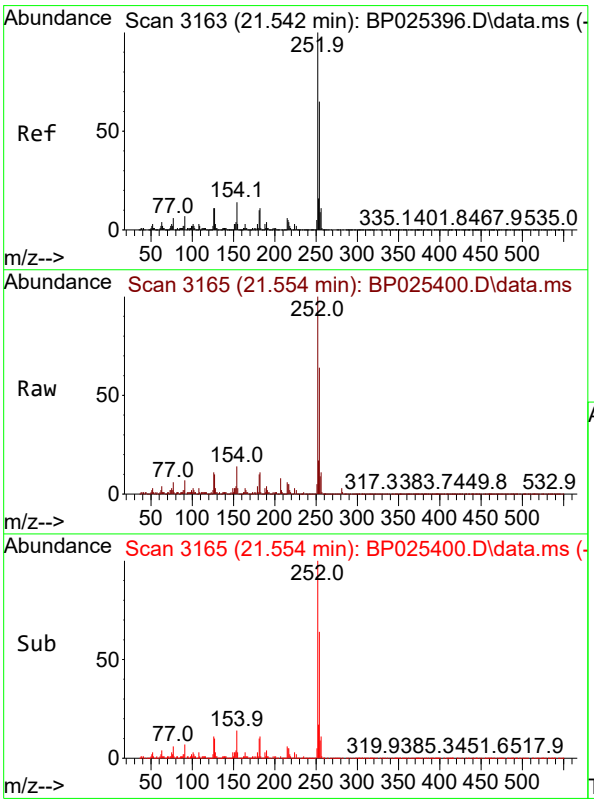
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

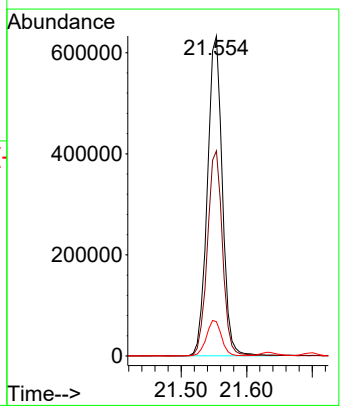
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

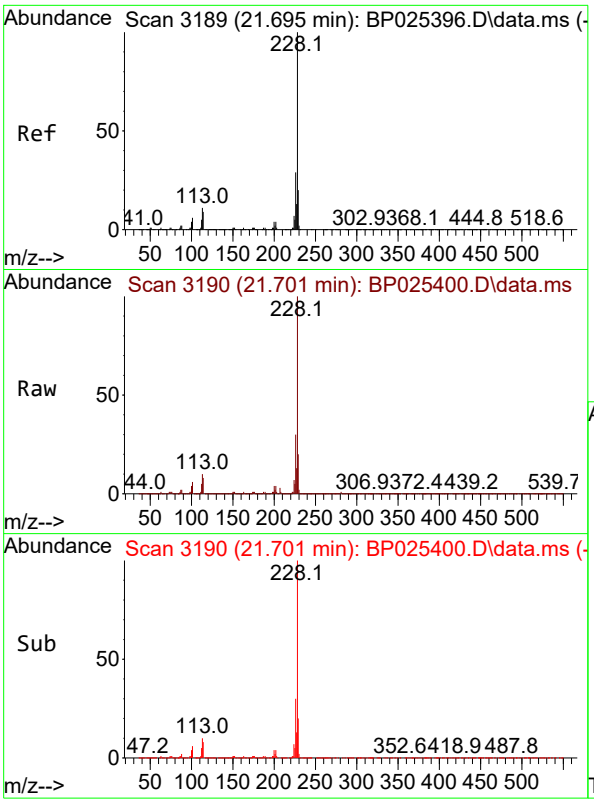


#82
3,3'-Dichlorobenzidine
Concen: 38.038 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 1002597

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	10.7	9.1	13.7

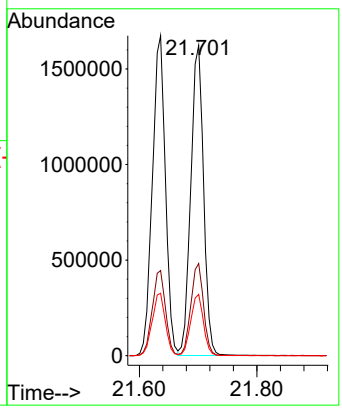




#83
Chrysene
Concen: 37.353 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:228 Resp: 244619

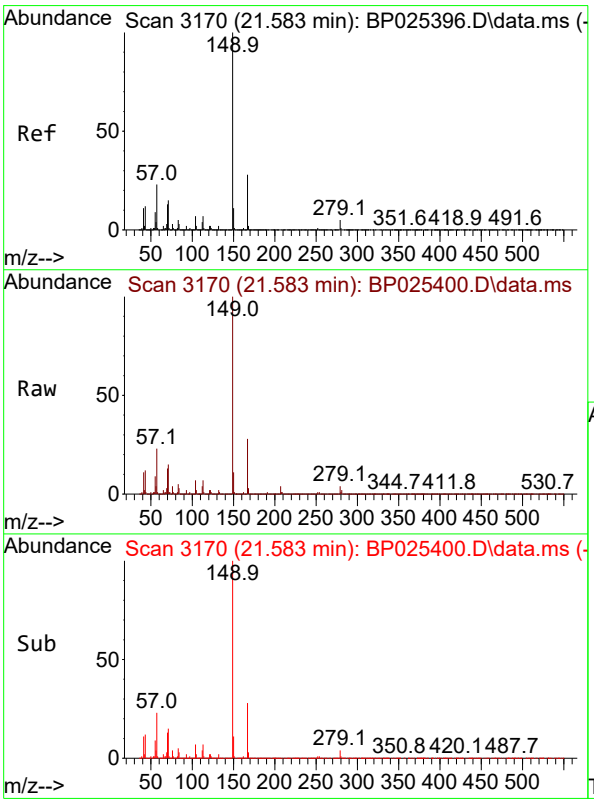
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	19.7	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

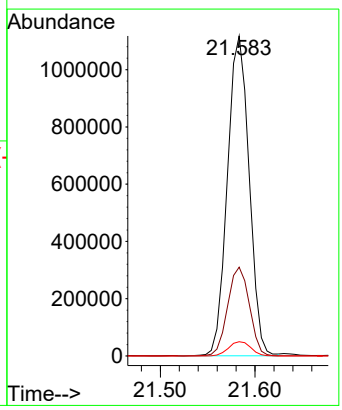
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

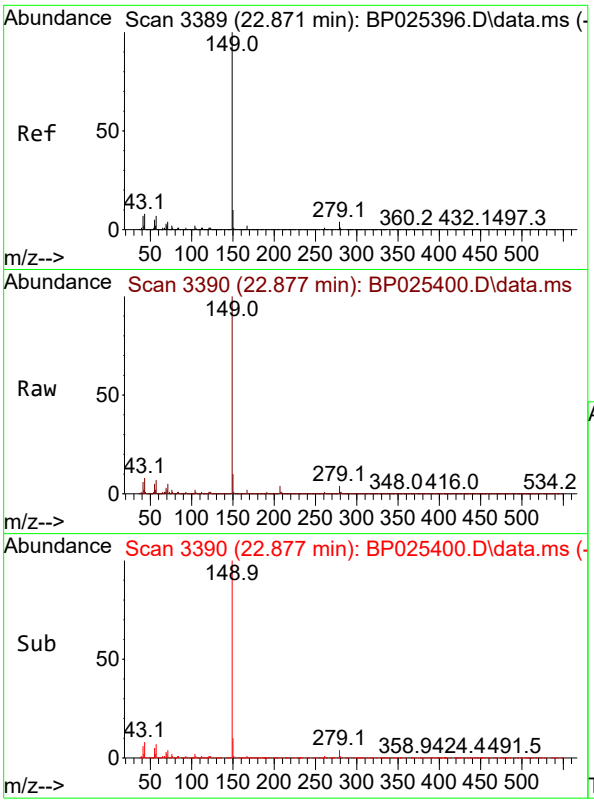


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.729 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1780746

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	4.5	3.8	5.6

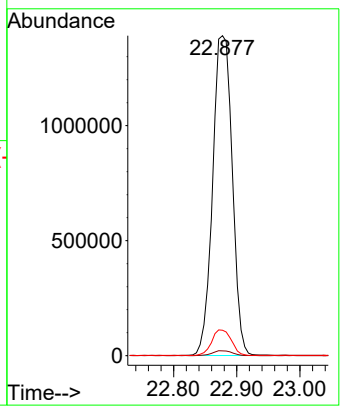




#85
Di-n-octyl phthalate
Concen: 37.915 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 299852

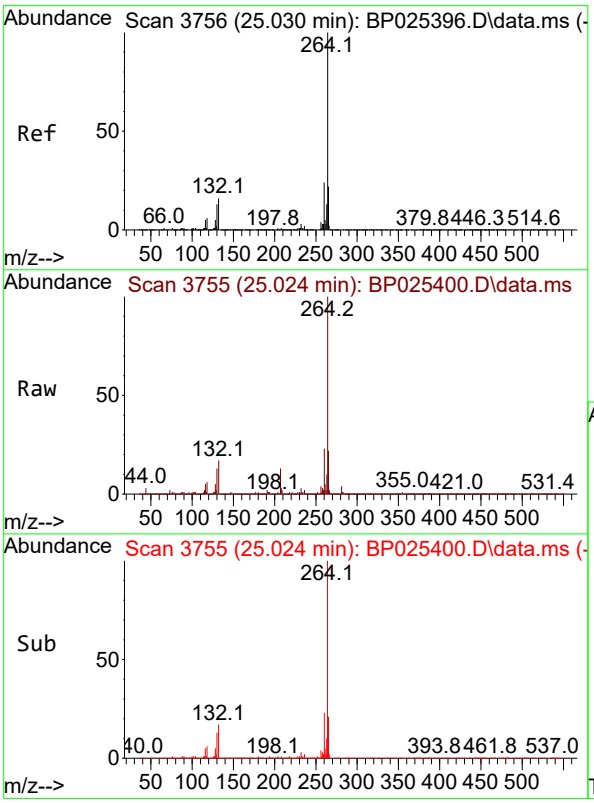
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

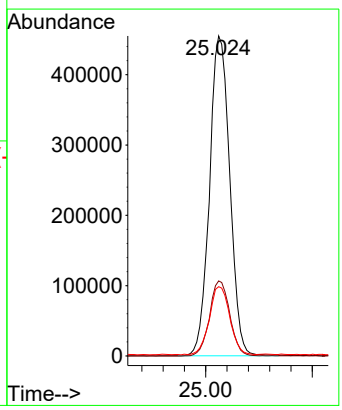
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

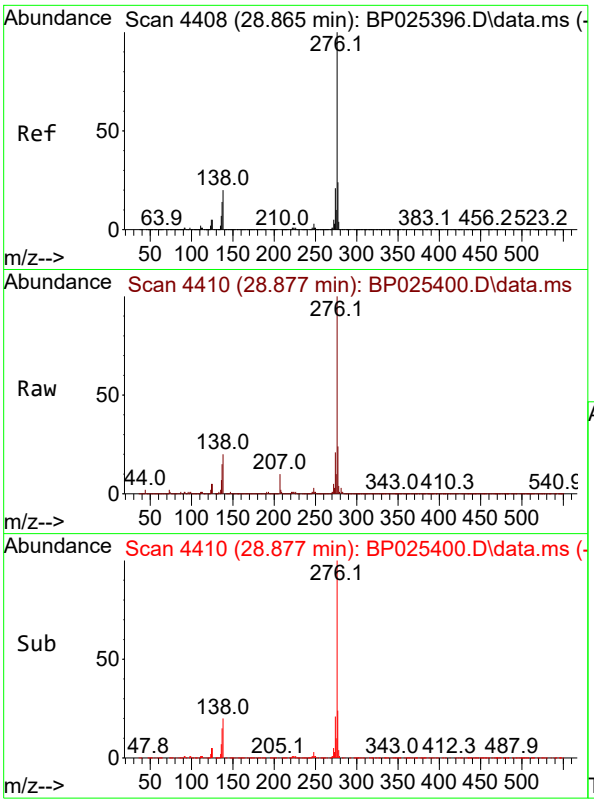


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:264 Resp: 1200519

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	21.6	17.4	26.0

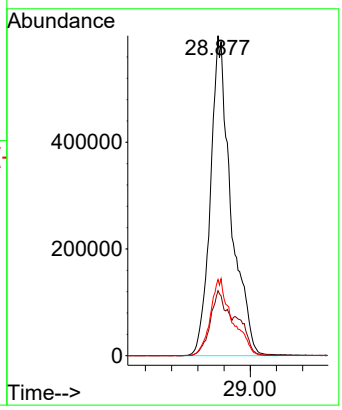




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.119 ng
RT: 28.877 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:276 Resp: 326796

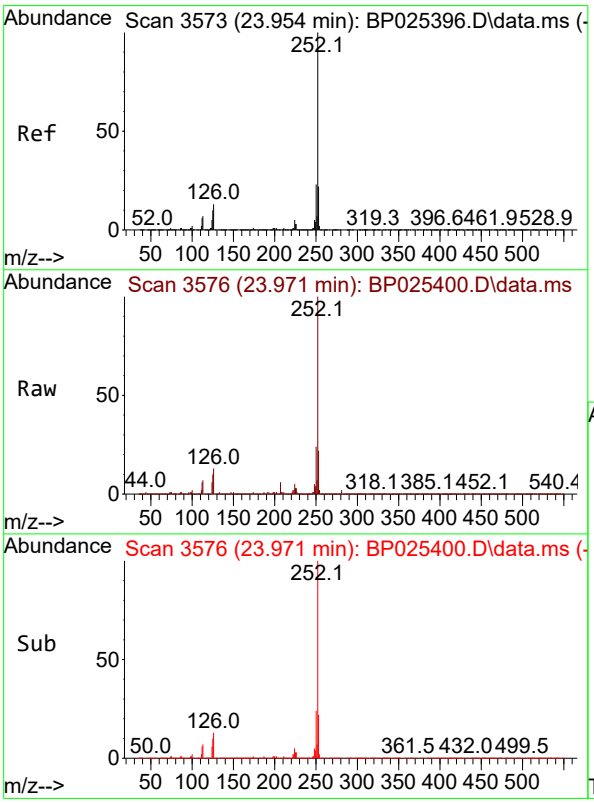
Ion	Ratio	Lower	Upper
276	100		
138	17.0	12.9	19.3
277	25.5	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

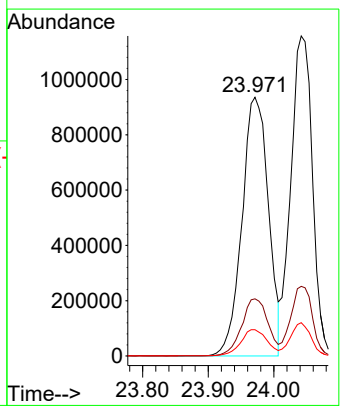
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

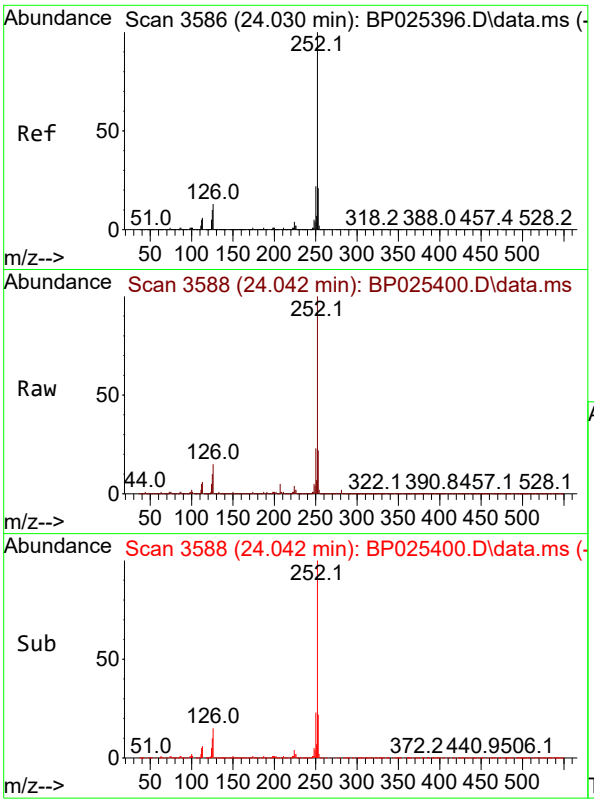


#88
Benzo(b)fluoranthene
Concen: 36.964 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 2616701

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	7.9	11.9

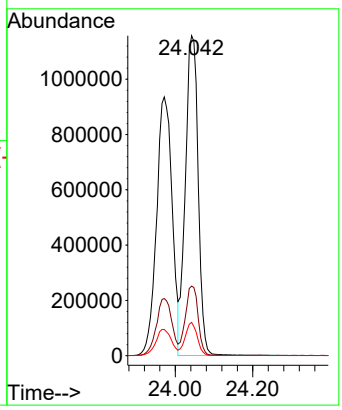




#89
Benzo(k)fluoranthene
Concen: 37.464 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 265390

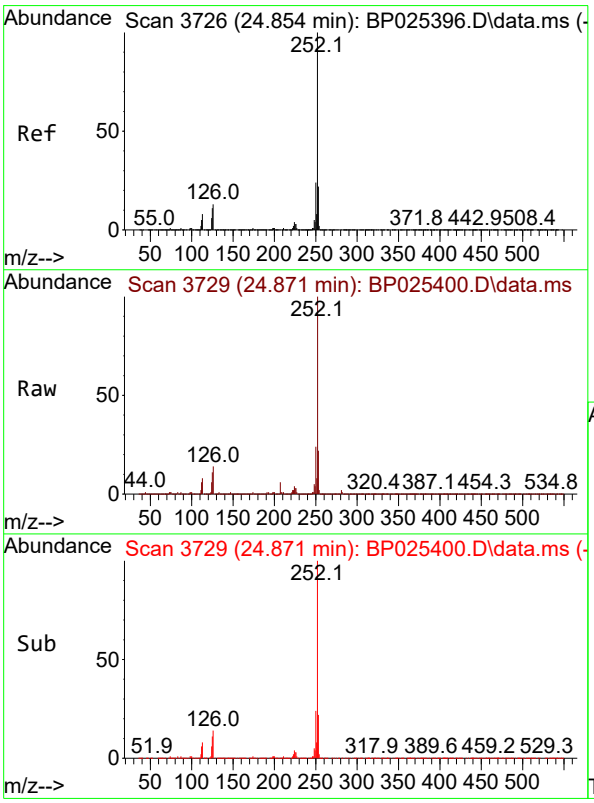
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.4	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

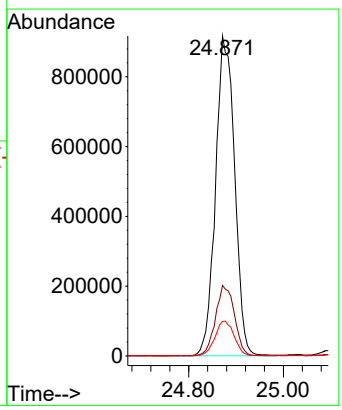
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

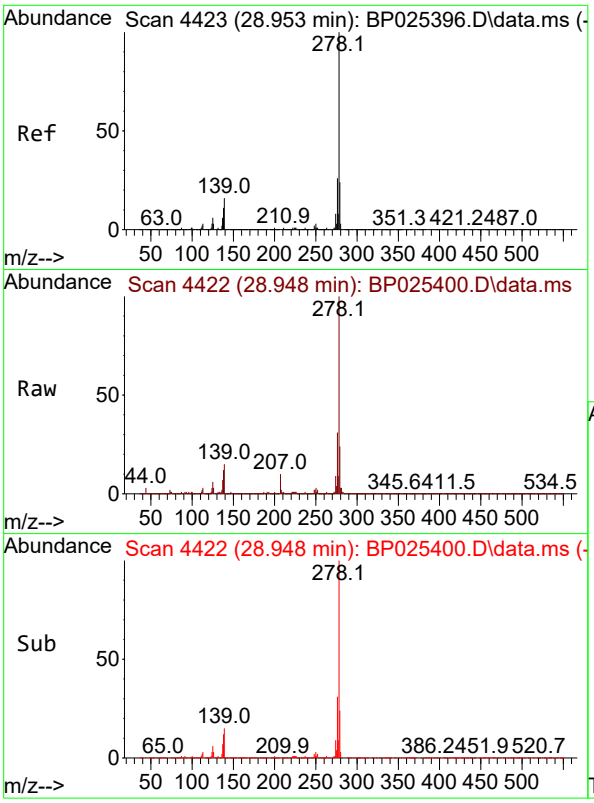


#90
Benzo(a)pyrene
Concen: 37.160 ng
RT: 24.871 min Scan# 3729
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 2560692

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.7	8.7	13.1

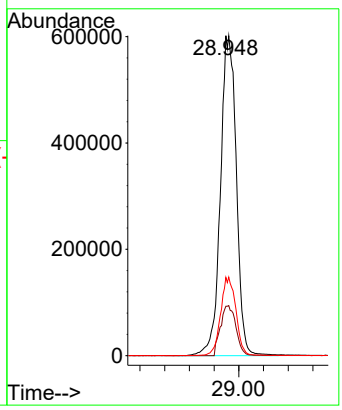




#91
Dibenzo(a,h)anthracene
Concen: 37.490 ng
RT: 28.948 min Scan# 44
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:278 Resp: 269733(

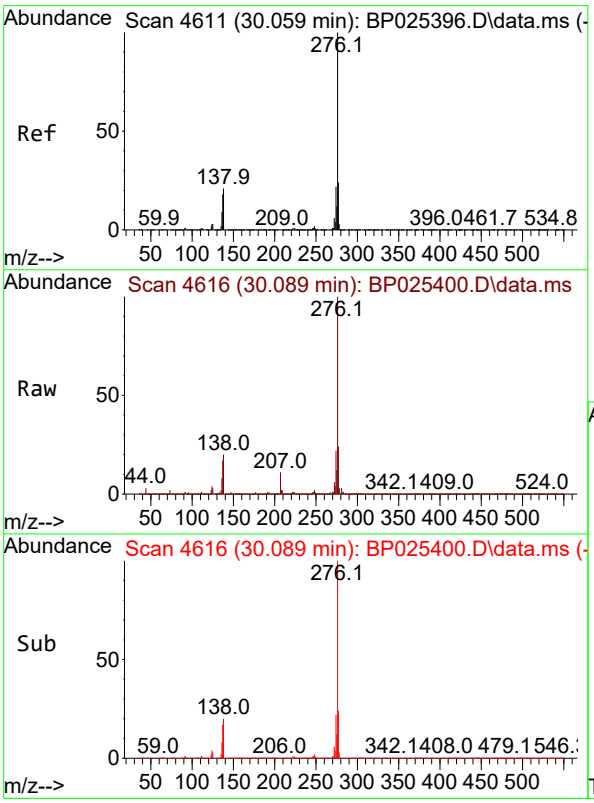
Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.4
279	24.4	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
APPROVED

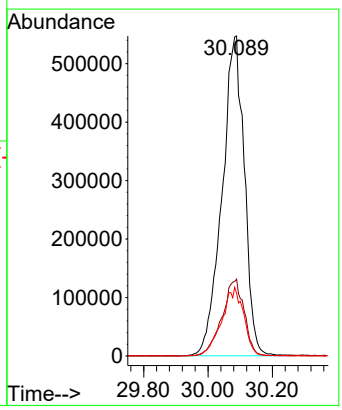
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 37.216 ng
RT: 30.089 min Scan# 4616
Delta R.T. 0.029 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:276 Resp: 2632085

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	19.6	16.7	25.1



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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	0.472	0.399	15.5	99	0.00
3		Pyridine	1.291	1.159	10.2	105	0.00
4		n-Nitrosodimethylamine	0.532	0.507	4.7	109	0.00
5	S	2-Fluorophenol	1.204	1.045	13.2	99	0.00
6		Aniline	2.080	1.984	4.6	108	0.00
7	S	Phenol-d6	1.544	1.383	10.4	101	0.00
8		2-Chlorophenol	1.359	1.308	3.8	110	0.00
9		Benzaldehyde	1.082	0.923	14.7	75	0.00
10	C	Phenol	1.620	1.555	4.0	109	0.00
11		bis(2-Chloroethyl)ether	1.263	1.211	4.1	109	0.00
12		1,3-Dichlorobenzene	1.499	1.414	5.7	108	0.00
13	C	1,4-Dichlorobenzene	1.532	1.451	5.3	109	0.00
14		1,2-Dichlorobenzene	1.483	1.402	5.5	108	0.00
15		Benzyl Alcohol	1.227	1.197	2.4	111	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.619	4.3	110	0.00
17		2-Methylphenol	1.125	1.094	2.8	109	0.00
18		Hexachloroethane	0.563	0.536	4.8	109	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	0.979	4.3	109	0.00
20		3+4-Methylphenols	1.560	1.506	3.5	109	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	113	0.00
22		Acetophenone	0.502	0.479	4.6	112	0.00
23	S	Nitrobenzene-d5	0.395	0.328	17.0	97	0.00
24		Nitrobenzene	0.353	0.330	6.5	108	0.00
25		Isophorone	0.700	0.662	5.4	111	0.00
26	C	2-Nitrophenol	0.181	0.176	2.8	110	0.00
27		2,4-Dimethylphenol	0.312	0.303	2.9	111	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.400	5.4	111	0.00
29	C	2,4-Dichlorophenol	0.310	0.299	3.5	111	0.00
30		1,2,4-Trichlorobenzene	0.340	0.316	7.1	109	0.00
31		Naphthalene	1.040	0.973	6.4	110	0.00
32		Benzoic acid	0.230	0.220	4.3	110	0.01
33		4-Chloroaniline	0.459	0.437	4.8	109	0.00
34	C	Hexachlorobutadiene	0.211	0.196	7.1	108	0.00
35		Caprolactam	0.114	0.109	4.4	112	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.345	2.8	113	0.00
37		2-Methylnaphthalene	0.676	0.640	5.3	111	0.00
38		1-Methylnaphthalene	0.719	0.675	6.1	111	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.547	5.4	111	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.350	-0.3	115	0.00
42	S	2,4,6-Tribromophenol	0.269	0.241	10.4	105	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.380	2.6	113	0.00
44		2,4,5-Trichlorophenol	0.427	0.418	2.1	112	0.00
45	S	2-Fluorobiphenyl	1.463	1.208	17.4	99	0.00
46		1,1'-Biphenyl	1.453	1.368	5.8	111	0.00
47		2-Chloronaphthalene	1.131	1.065	5.8	110	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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	0.329	0.322	2.1	111	0.00
49		Acenaphthylene	1.871	1.764	5.7	111	0.00
50		Dimethylphthalate	1.465	1.398	4.6	114	0.00
51		2,6-Dinitrotoluene	0.309	0.303	1.9	112	0.00
52	C	Acenaphthene	1.098	1.011	7.9	111	0.00
53		3-Nitroaniline	0.347	0.348	-0.3	116	0.00
54	P	2,4-Dinitrophenol	0.165	0.172	-4.2	120	0.00
55		Dibenzofuran	1.736	1.620	6.7	110	0.00
56	P	4-Nitrophenol	0.285	0.283	0.7	115	0.00
57		2,4-Dinitrotoluene	0.440	0.445	-1.1	116	0.00
58		Fluorene	1.370	1.267	7.5	111	0.01
59		2,3,4,6-Tetrachlorophenol	0.377	0.369	2.1	115	0.00
60		Diethylphthalate	1.488	1.407	5.4	112	0.00
61		4-Chlorophenyl-phenylether	0.681	0.623	8.5	109	0.01
62		4-Nitroaniline	0.356	0.345	3.1	112	0.00
63		Azobenzene	1.274	1.227	3.7	113	0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	117	0.01
65		4,6-Dinitro-2-methylphenol	0.125	0.124	0.8	118	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.568	6.9	112	0.00
67		4-Bromophenyl-phenylether	0.220	0.204	7.3	112	0.00
68		Hexachlorobenzene	0.255	0.236	7.5	114	0.01
69		Atrazine	0.228	0.217	4.8	116	0.00
70	C	Pentachlorophenol	0.161	0.156	3.1	116	0.01
71		Phenanthrene	1.099	1.001	8.9	113	0.01
72		Anthracene	1.122	1.054	6.1	114	0.00
73		Carbazole	1.057	0.981	7.2	114	0.00
74		Di-n-butylphthalate	1.300	1.222	6.0	115	0.02
75	C	Fluoranthene	1.311	1.228	6.3	117	0.02
76	I	Chrysene-d12	1.000	1.000	0.0	118	0.00
77		Benzidine	0.683	0.721	-5.6	88	0.00
78		Pyrene	1.300	1.216	6.5	113	0.01
79	S	Terphenyl-d14	1.093	0.907	17.0	102	0.02
80		Butylbenzylphthalate	0.589	0.566	3.9	115	0.01
81		Benzo(a)anthracene	1.319	1.218	7.7	113	0.00
82		3,3'-Dichlorobenzidine	0.497	0.473	4.8	114	0.01
83		Chrysene	1.235	1.153	6.6	115	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.840	3.1	119	0.00
85	c	Di-n-octyl phthalate	1.492	1.414	5.2	115	0.00
86	I	Perylene-d12	1.000	1.000	0.0	117	0.00
87		Indeno(1,2,3-cd)pyrene	1.467	1.361	7.2	113	0.01
88		Benzo(b)fluoranthene	1.179	1.090	7.5	113	0.02
89		Benzo(k)fluoranthene	1.180	1.105	6.4	115	0.01
90	C	Benzo(a)pyrene	1.148	1.066	7.1	113	0.02
91		Dibenzo(a,h)anthracene	1.199	1.123	6.3	114	0.00
92		Benzo(g,h,i)perylene	1.178	1.096	7.0	113	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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	33.792	15.5	99	0.00
3		Pyridine	40.000	35.901	10.2	105	0.00
4		n-Nitrosodimethylamine	40.000	38.115	4.7	109	0.00
5	S	2-Fluorophenol	80.000	69.430	13.2	99	0.00
6		Aniline	40.000	38.147	4.6	108	0.00
7	S	Phenol-d6	80.000	71.663	10.4	101	0.00
8		2-Chlorophenol	40.000	38.501	3.7	110	0.00
9		Benzaldehyde	40.000	34.142	14.6	75	0.00
10	C	Phenol	40.000	38.388	4.0	109	0.00
11		bis(2-Chloroethyl)ether	40.000	38.348	4.1	109	0.00
12		1,3-Dichlorobenzene	40.000	37.738	5.7	108	0.00
13	C	1,4-Dichlorobenzene	40.000	37.890	5.3	109	0.00
14		1,2-Dichlorobenzene	40.000	37.818	5.5	108	0.00
15		Benzyl Alcohol	40.000	39.025	2.4	111	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.271	4.3	110	0.00
17		2-Methylphenol	40.000	38.877	2.8	109	0.00
18		Hexachloroethane	40.000	38.103	4.7	109	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.270	4.3	109	0.00
20		3+4-Methylphenols	40.000	38.620	3.5	109	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	113	0.00
22		Acetophenone	40.000	38.216	4.5	112	0.00
23	S	Nitrobenzene-d5	80.000	66.391	17.0	97	0.00
24		Nitrobenzene	40.000	37.313	6.7	108	0.00
25		Isophorone	40.000	37.855	5.4	111	0.00
26	C	2-Nitrophenol	40.000	38.722	3.2	110	0.00
27		2,4-Dimethylphenol	40.000	38.910	2.7	111	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.816	5.5	111	0.00
29	C	2,4-Dichlorophenol	40.000	38.649	3.4	111	0.00
30		1,2,4-Trichlorobenzene	40.000	37.231	6.9	109	0.00
31		Naphthalene	40.000	37.431	6.4	110	0.00
32		Benzoic acid	40.000	38.242	4.4	110	0.01
33		4-Chloroaniline	40.000	38.043	4.9	109	0.00
34	C	Hexachlorobutadiene	40.000	37.031	7.4	108	0.00
35		Caprolactam	40.000	38.310	4.2	112	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.789	3.0	113	0.00
37		2-Methylnaphthalene	40.000	37.845	5.4	111	0.00
38		1-Methylnaphthalene	40.000	37.539	6.2	111	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.895	5.3	111	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.074	-0.2	115	0.00
42	S	2,4,6-Tribromophenol	80.000	71.582	10.5	105	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.972	2.6	113	0.00
44		2,4,5-Trichlorophenol	40.000	39.108	2.2	112	0.00
45	S	2-Fluorobiphenyl	80.000	66.016	17.5	99	0.00
46		1,1'-Biphenyl	40.000	37.672	5.8	111	0.00
47		2-Chloronaphthalene	40.000	37.682	5.8	110	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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	39.081	2.3	111	0.00
49		Acenaphthylene	40.000	37.720	5.7	111	0.00
50		Dimethylphthalate	40.000	38.170	4.6	114	0.00
51		2,6-Dinitrotoluene	40.000	39.211	2.0	112	0.00
52	C	Acenaphthene	40.000	36.837	7.9	111	0.00
53		3-Nitroaniline	40.000	40.027	-0.1	116	0.00
54	P	2,4-Dinitrophenol	40.000	41.646	-4.1	120	0.00
55		Dibenzofuran	40.000	37.324	6.7	110	0.00
56	P	4-Nitrophenol	40.000	39.630	0.9	115	0.00
57		2,4-Dinitrotoluene	40.000	40.439	-1.1	116	0.00
58		Fluorene	40.000	36.992	7.5	111	0.01
59		2,3,4,6-Tetrachlorophenol	40.000	39.147	2.1	115	0.00
60		Diethylphthalate	40.000	37.810	5.5	112	0.00
61		4-Chlorophenyl-phenylether	40.000	36.596	8.5	109	0.01
62		4-Nitroaniline	40.000	38.717	3.2	112	0.00
63		Azobenzene	40.000	38.526	3.7	113	0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	117	0.01
65		4,6-Dinitro-2-methylphenol	40.000	39.721	0.7	118	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.227	6.9	112	0.00
67		4-Bromophenyl-phenylether	40.000	37.101	7.2	112	0.00
68		Hexachlorobenzene	40.000	37.062	7.3	114	0.01
69		Atrazine	40.000	38.057	4.9	116	0.00
70	C	Pentachlorophenol	40.000	38.733	3.2	116	0.01
71		Phenanthrene	40.000	36.445	8.9	113	0.01
72		Anthracene	40.000	37.563	6.1	114	0.00
73		Carbazole	40.000	37.116	7.2	114	0.00
74		Di-n-butylphthalate	40.000	37.602	6.0	115	0.02
75	C	Fluoranthene	40.000	37.481	6.3	117	0.02
76	I	Chrysene-d12	20.000	20.000	0.0	118	0.00
77		Benzidine	40.000	42.271	-5.7	88	0.00
78		Pyrene	40.000	37.404	6.5	113	0.01
79	S	Terphenyl-d14	80.000	66.399	17.0	102	0.02
80		Butylbenzylphthalate	40.000	38.401	4.0	115	0.01
81		Benzo(a)anthracene	40.000	36.950	7.6	113	0.00
82		3,3'-Dichlorobenzidine	40.000	38.038	4.9	114	0.01
83		Chrysene	40.000	37.353	6.6	115	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.729	3.2	119	0.00
85	c	Di-n-octyl phthalate	40.000	37.915	5.2	115	0.00
86	I	Perylene-d12	20.000	20.000	0.0	117	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.119	7.2	113	0.01
88		Benzo(b)fluoranthene	40.000	36.964	7.6	113	0.02
89		Benzo(k)fluoranthene	40.000	37.464	6.3	115	0.01
90	C	Benzo(a)pyrene	40.000	37.160	7.1	113	0.02
91		Dibenzo(a,h)anthracene	40.000	37.490	6.3	114	0.00
92		Benzo(g,h,i)perylene	40.000	37.216	7.0	113	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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: **BF143429.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: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_F Calibration Date/Time: 08/18/2025 09:06

Lab File ID: BF143429.D Init. Calib. Date(s): 08/15/2025 08/15/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:29 17:57

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.453	1.489		2.5	
2-Fluorophenol	1.151	1.147		-0.3	
Phenol-d6	1.450	1.436		-1.0	
1,4-Dichlorobenzene	1.421	1.421		0.0	20.0
2-Methylphenol	1.036	1.042		0.6	
3+4-Methylphenols	1.239	1.257		1.5	
Nitrobenzene-d5	0.337	0.332		-1.5	
Hexachloroethane	0.484	0.475		-1.9	
Nitrobenzene	0.352	0.351		-0.3	
Hexachlorobutadiene	0.184	0.183		-0.5	20.0
2,4,6-Trichlorophenol	0.348	0.342		-1.7	20.0
2-Fluorobiphenyl	1.189	1.141		-4.0	
2,4,5-Trichlorophenol	0.373	0.377		1.1	
2,4-Dinitrotoluene	0.328	0.345		5.2	
2,4,6-Tribromophenol	0.178	0.181		1.7	
Hexachlorobenzene	0.251	0.247		-1.6	
Pentachlorophenol	0.110	0.114		3.6	20.0
Terphenyl-d14	1.191	1.257		5.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143429.D
Acq On : 18 Aug 2025 09:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 18 12:15:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	131653	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	514889	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	280712	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	444924	20.000	ng	0.00
76) Chrysene-d12	14.086	240	223862	20.000	ng	0.00
86) Perylene-d12	15.574	264	265880	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	604041	79.757	ng	0.00
7) Phenol-d6	6.557	99	756026	79.211	ng	0.00
23) Nitrobenzene-d5	7.487	82	683252	78.742	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	202755	81.149	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1281342	76.776	ng	0.00
79) Terphenyl-d14	13.027	244	1126019	84.496	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	146980	40.318	ng	98
3) Pyridine	3.510	79	392034	41.002	ng	99
4) n-Nitrosodimethylamine	3.452	42	179061	40.291	ng	98
6) Aniline	6.593	93	518891	40.046	ng	100
8) 2-Chlorophenol	6.716	128	331816	39.684	ng	99
9) Benzaldehyde	6.475	77	175928	34.649	ng	99
10) Phenol	6.575	94	444676	39.926	ng	100
11) bis(2-Chloroethyl)ether	6.657	93	330567	40.041	ng	99
12) 1,3-Dichlorobenzene	6.869	146	366324	39.111	ng	99
13) 1,4-Dichlorobenzene	6.945	146	374257	40.024	ng	100
14) 1,2-Dichlorobenzene	7.098	146	352533	39.471	ng	99
15) Benzyl Alcohol	7.069	79	279823	39.755	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	560282	39.697	ng	100
17) 2-Methylphenol	7.181	107	274265	40.203	ng	99
18) Hexachloroethane	7.439	117	125190	39.332	ng	98
19) n-Nitroso-di-n-propyla...	7.340	70	231003	39.095	ng	98
20) 3+4-Methylphenols	7.334	107	331003	40.587	ng	99
22) Acetophenone	7.334	105	426111	38.491	ng	100
24) Nitrobenzene	7.504	77	361829	39.898	ng	100
25) Isophorone	7.745	82	662307	39.881	ng	99
26) 2-Nitrophenol	7.822	139	155677	37.029	ng	98
27) 2,4-Dimethylphenol	7.863	122	276223	38.859	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	402194	39.401	ng	99
29) 2,4-Dichlorophenol	8.069	162	291170	40.183	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	291877	39.312	ng	99
31) Naphthalene	8.234	128	965167	39.484	ng	100
32) Benzoic acid	7.975	122	121859	32.963	ng	99
33) 4-Chloroaniline	8.275	127	350803	39.758	ng	100
34) Hexachlorobutadiene	8.351	225	188826	39.883	ng	98
35) Caprolactam	8.645	113	85562	41.013	ng	99
36) 4-Chloro-3-methylphenol	8.757	107	297024	39.801	ng	100
37) 2-Methylnaphthalene	8.922	142	643429	39.050	ng	100
38) 1-Methylnaphthalene	9.022	142	615790	39.007	ng	99
40) 1,2,4,5-Tetrachloroben...	9.086	216	307452	39.273	ng	100
41) Hexachlorocyclopentadiene	9.081	237	97535	37.941	ng	100
43) 2,4,6-Trichlorophenol	9.198	196	191901	39.295	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143429.D
Acq On : 18 Aug 2025 09:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 18 12:15:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

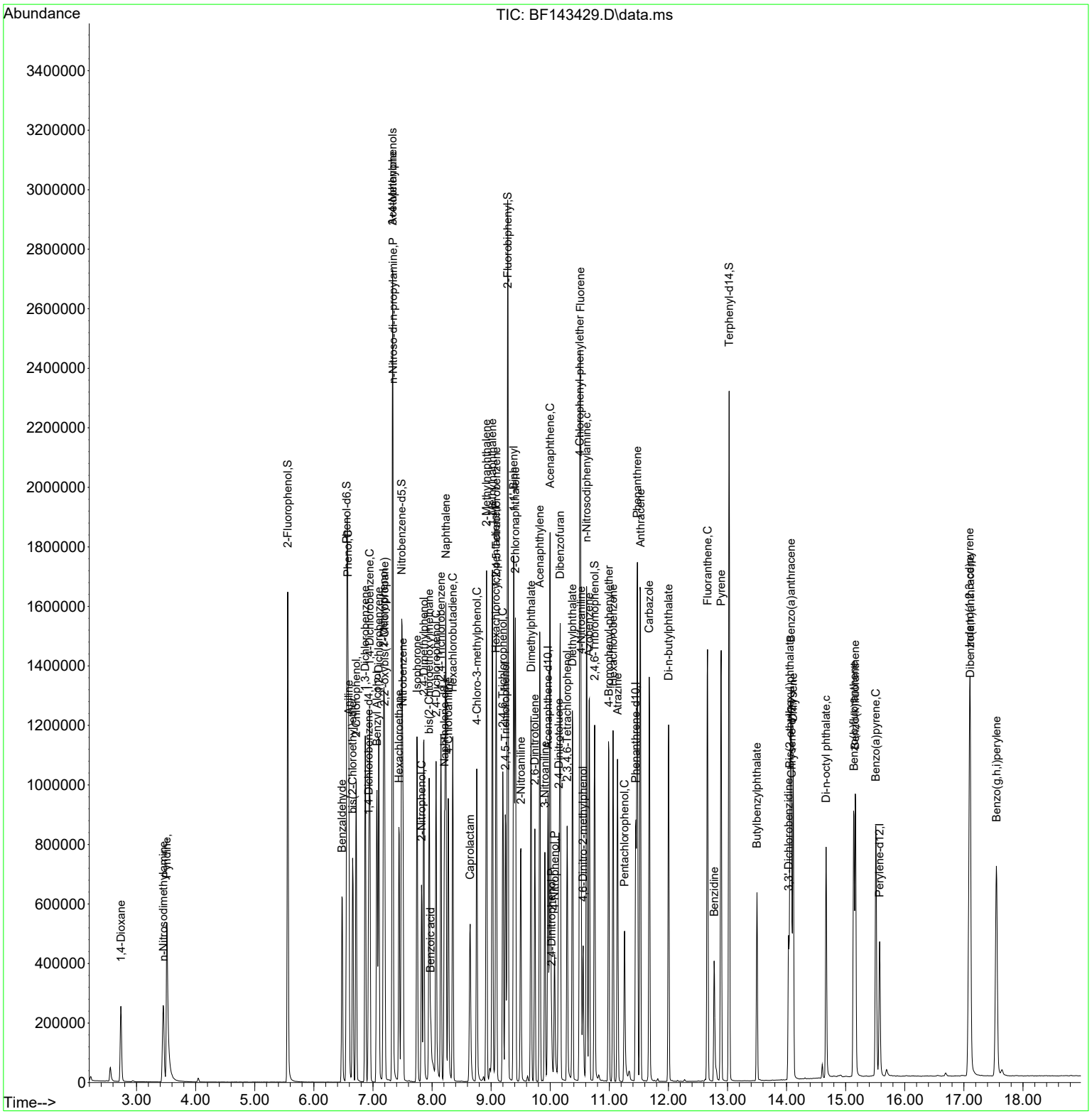
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	9.239	196	211642	40.430	ng	96
46)	1,1'-Biphenyl	9.381	154	772560	39.170	ng	100
47)	2-Chloronaphthalene	9.410	162	612724	39.356	ng	99
48)	2-Nitroaniline	9.504	65	183872	39.687	ng	95
49)	Acenaphthylene	9.822	152	891356	39.654	ng	100
50)	Dimethylphthalate	9.675	163	702928	40.165	ng	100
51)	2,6-Dinitrotoluene	9.739	165	141282	40.951	ng	99
52)	Acenaphthene	9.998	154	591370	39.115	ng	100
53)	3-Nitroaniline	9.910	138	159737	41.565	ng	100
54)	2,4-Dinitrophenol	10.022	184	46856	32.877	ng	99
55)	Dibenzofuran	10.169	168	860223	39.442	ng	99
56)	4-Nitrophenol	10.075	139	98531	40.781	ng	98
57)	2,4-Dinitrotoluene	10.145	165	193875	42.149	ng	99
58)	Fluorene	10.510	166	653929	39.029	ng	98
59)	2,3,4,6-Tetrachlorophenol	10.286	232	159517	40.256	ng	97
60)	Diethylphthalate	10.375	149	651738	40.299	ng	100
61)	4-Chlorophenyl-phenyle...	10.498	204	330221	39.864	ng	99
62)	4-Nitroaniline	10.522	138	150843	41.970	ng	97
63)	Azobenzene	10.657	77	662810	40.549	ng	98
65)	4,6-Dinitro-2-methylph...	10.557	198	82955	36.136	ng	97
66)	n-Nitrosodiphenylamine	10.616	169	567036	39.195	ng	100
67)	4-Bromophenyl-phenylether	10.992	248	208080	39.604	ng	100
68)	Hexachlorobenzene	11.063	284	219775	39.348	ng	100
69)	Atrazine	11.139	200	174661	41.277	ng	100
70)	Pentachlorophenol	11.257	266	101440	41.297	ng	99
71)	Phenanthrene	11.475	178	930142	38.606	ng	100
72)	Anthracene	11.527	178	948346	38.971	ng	100
73)	Carbazole	11.675	167	801523	38.944	ng	100
74)	Di-n-butylphthalate	12.004	149	848115	41.381	ng	100
75)	Fluoranthene	12.663	202	838319	39.159	ng	100
77)	Benzidine	12.774	184	243797	36.469	ng	99
78)	Pyrene	12.892	202	839274	43.134	ng	99
80)	Butylbenzylphthalate	13.498	149	192746	39.994	ng	100
81)	Benzo(a)anthracene	14.074	228	561206	39.377	ng	100
82)	3,3'-Dichlorobenzidine	14.033	252	157427	37.726	ng	99
83)	Chrysene	14.110	228	520801	39.527	ng	100
84)	Bis(2-ethylhexyl)phtha...	14.057	149	268833	39.279	ng	99
85)	Di-n-octyl phthalate	14.668	149	520946	37.527	ng	100
87)	Indeno(1,2,3-cd)pyrene	17.098	276	812459	40.748	ng	100
88)	Benzo(b)fluoranthene	15.139	252	582964	40.909	ng	99
89)	Benzo(k)fluoranthene	15.163	252	534086	37.999	ng	99
90)	Benzo(a)pyrene	15.510	252	544481	40.116	ng	99
91)	Dibenzo(a,h)anthracene	17.109	278	653257	40.799	ng	99
92)	Benzo(g,h,i)perylene	17.551	276	656182	41.024	ng	99

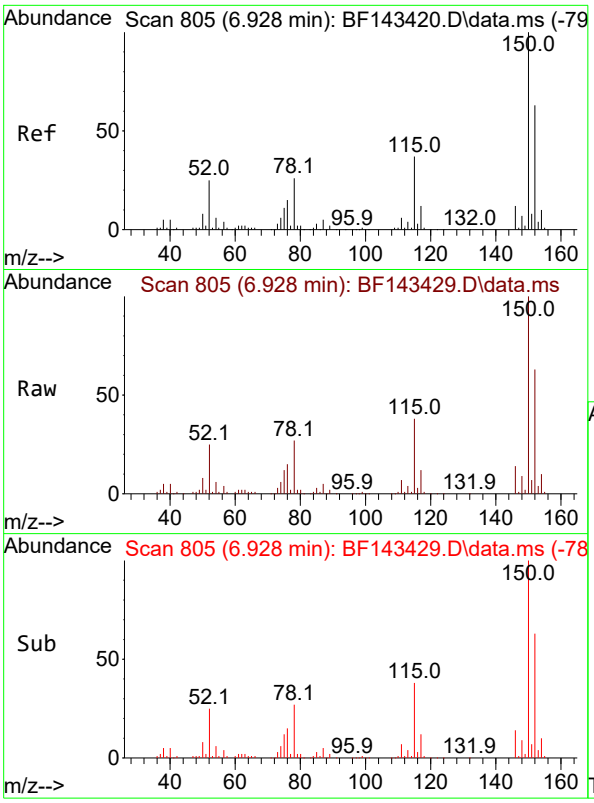
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143429.D
Acq On : 18 Aug 2025 09:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 18 12:15:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



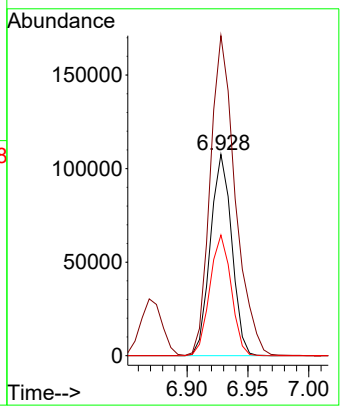


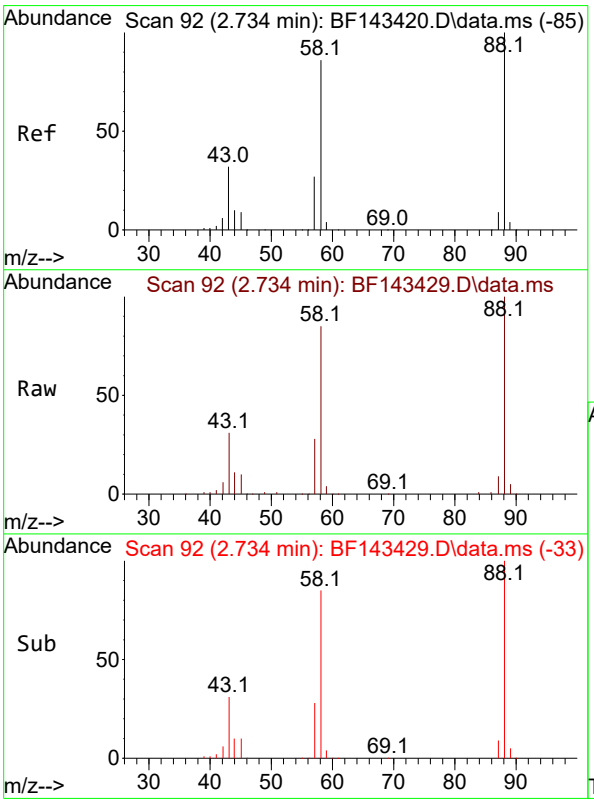
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 131653

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.4	191.2
115	59.9	47.5	71.3

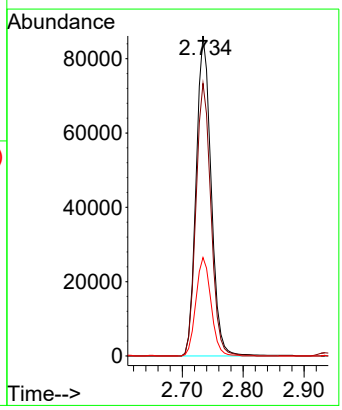


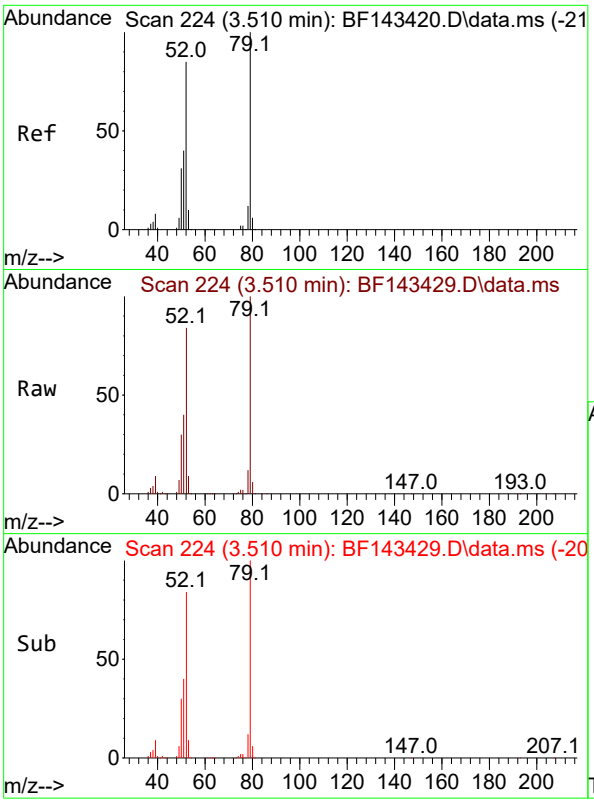


#2
1,4-Dioxane
Concen: 40.318 ng
RT: 2.734 min Scan# 92
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion: 88 Resp: 146980

Ion	Ratio	Lower	Upper
88	100		
58	84.7	68.7	103.1
43	30.9	26.1	39.1



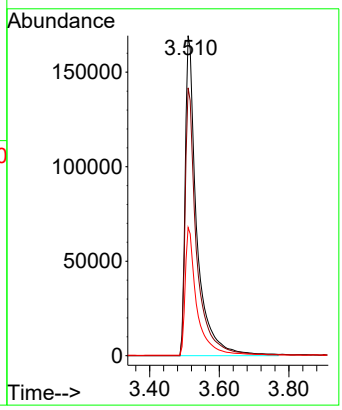


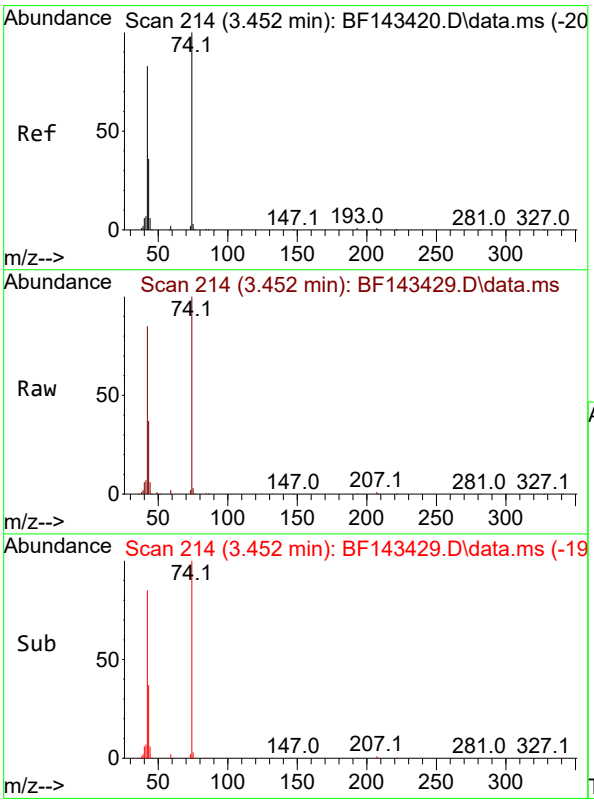
#3
Pyridine
Concen: 41.002 ng
RT: 3.510 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 392034

Ion	Ratio	Lower	Upper
79	100		
52	83.7	67.7	101.5
51	40.1	32.3	48.5

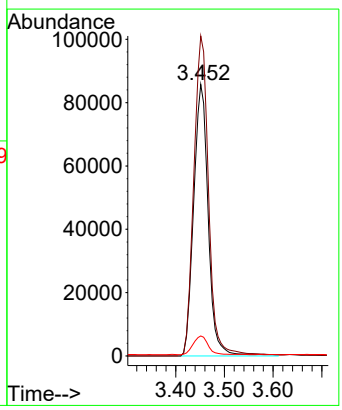


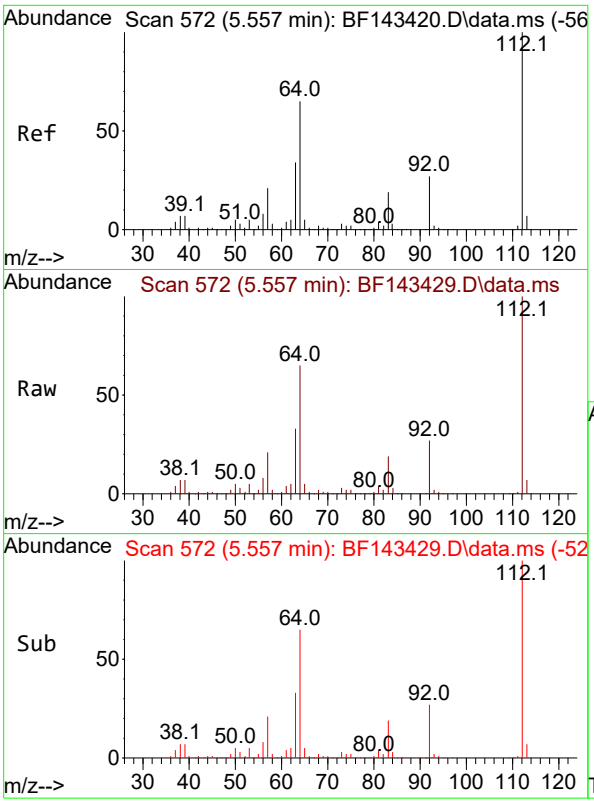


#4
n-Nitrosodimethylamine
Concen: 40.291 ng
RT: 3.452 min Scan# 214
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion: 42 Resp: 179061

Ion	Ratio	Lower	Upper
42	100		
74	117.9	96.2	144.4
44	7.4	5.9	8.9



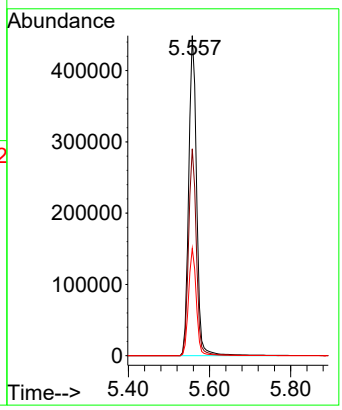


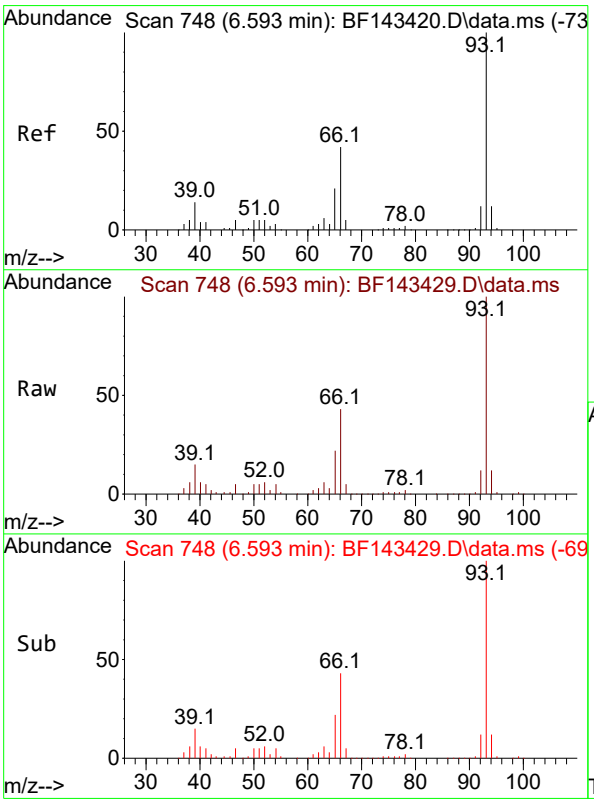
#5
2-Fluorophenol
Concen: 79.757 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 604041

Ion	Ratio	Lower	Upper
112	100		
64	64.7	52.2	78.2
63	33.5	27.0	40.6

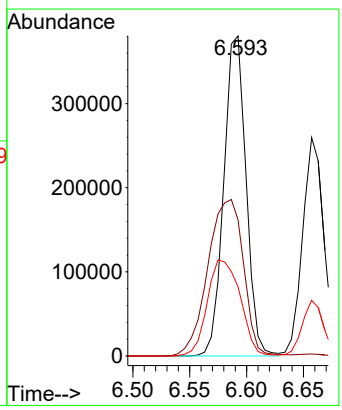


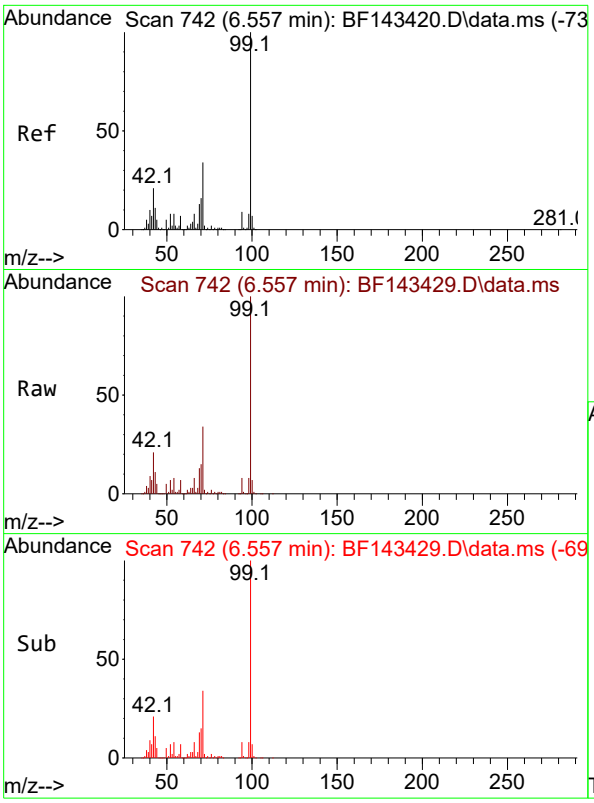


#6
Aniline
Concen: 40.046 ng
RT: 6.593 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion: 93 Resp: 518891

Ion	Ratio	Lower	Upper
93	100		
66	42.6	33.8	50.8
65	21.6	17.2	25.8



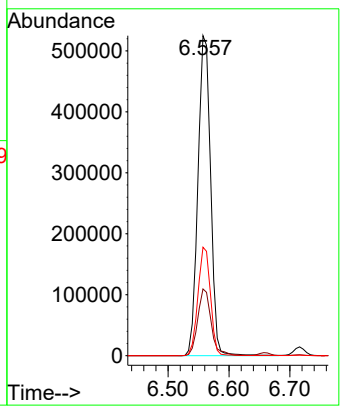


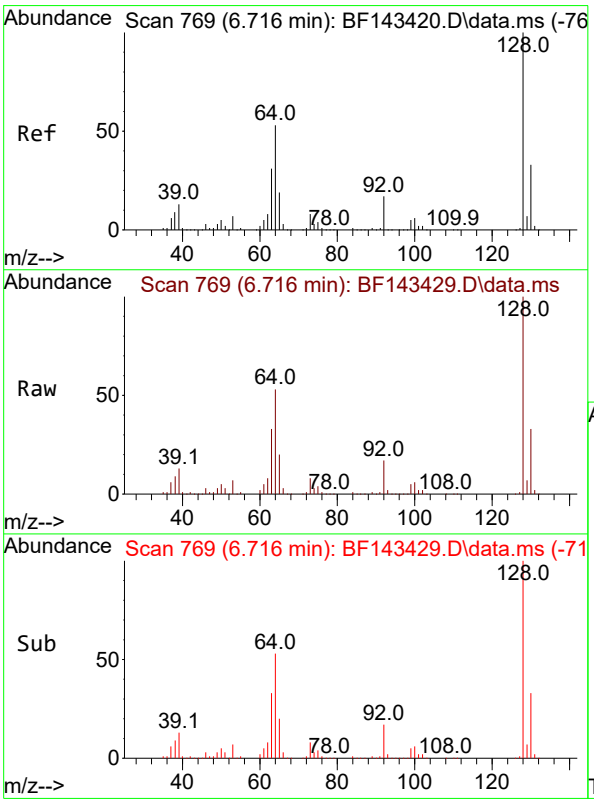
#7
Phenol-d6
Concen: 79.211 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 756026

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	33.9	27.4	41.2

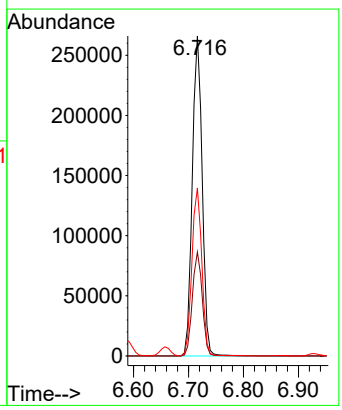


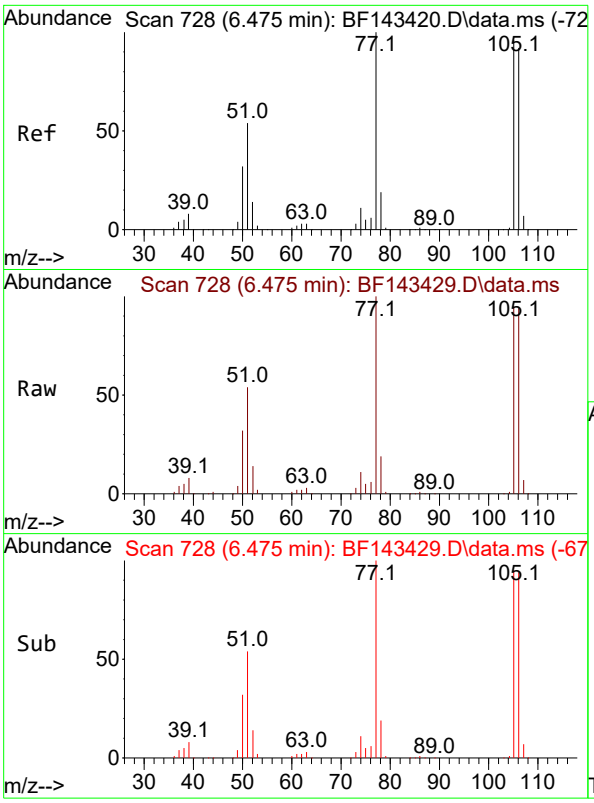


#8
2-Chlorophenol
Concen: 39.684 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:128 Resp: 331816

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.9	52.9
64	52.5	33.1	73.1



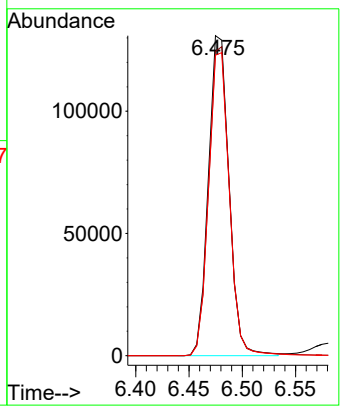


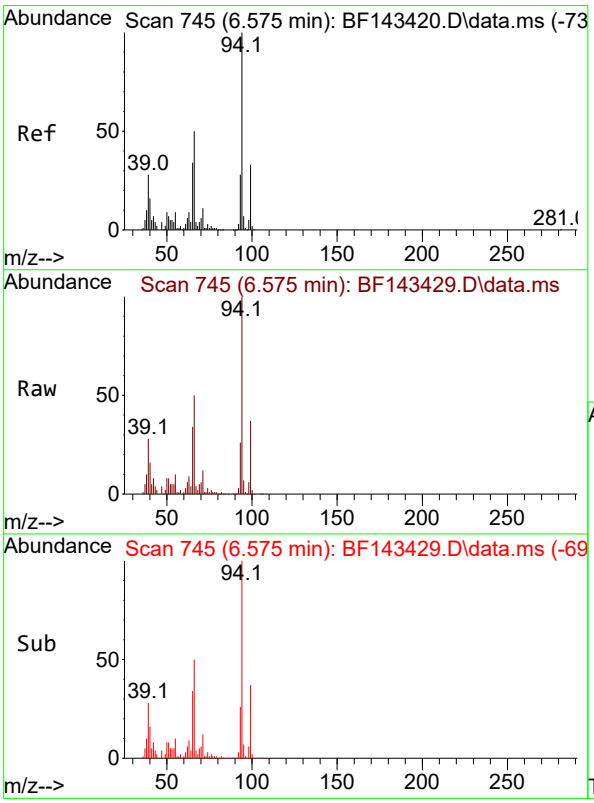
#9
Benzaldehyde
Concen: 34.649 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 175928

Ion	Ratio	Lower	Upper
77	100		
105	95.1	75.5	115.5
106	93.9	72.0	112.0

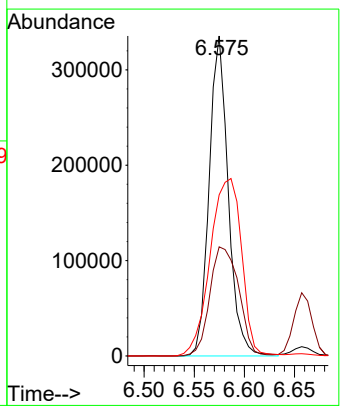


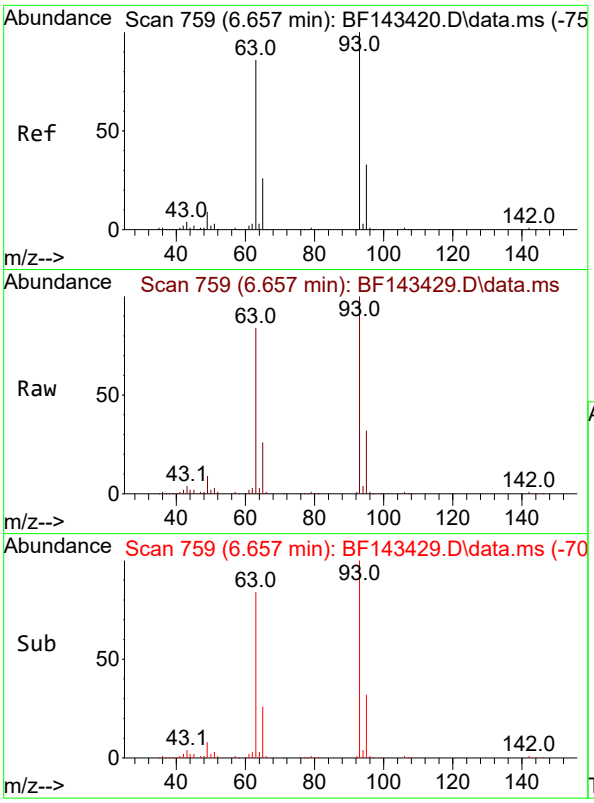


#10
Phenol
Concen: 39.926 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion: 94 Resp: 444676

Ion	Ratio	Lower	Upper
94	100		
65	34.1	13.7	53.7
66	50.3	30.3	70.3



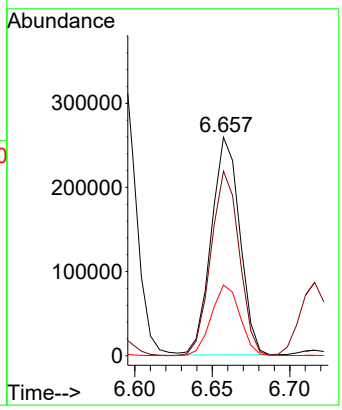


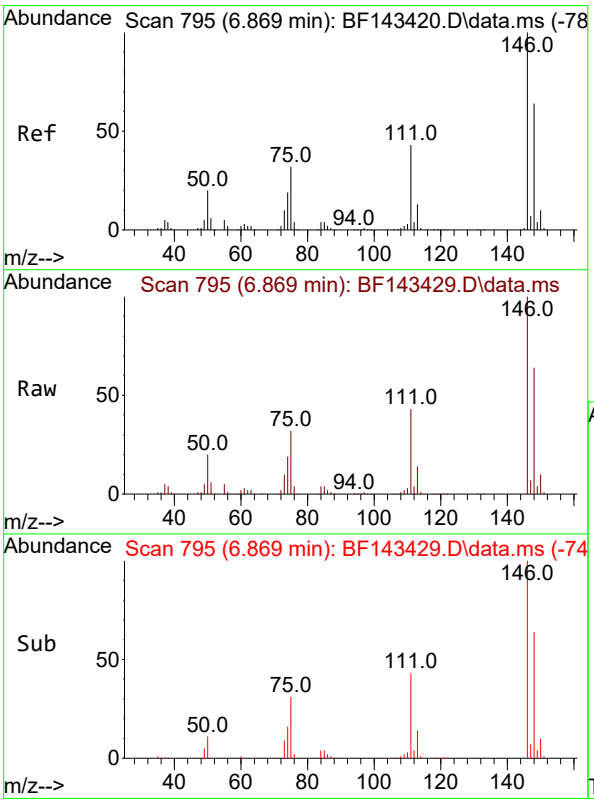
#11
bis(2-Chloroethyl)ether
Concen: 40.041 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 330567

Ion	Ratio	Lower	Upper
93	100		
63	84.5	65.4	105.4
95	32.4	12.8	52.8

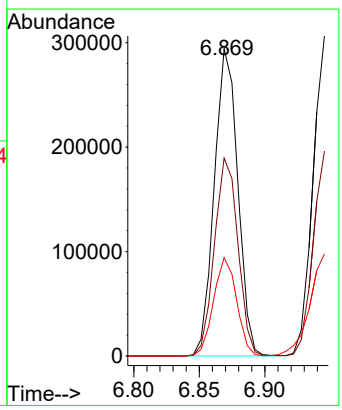


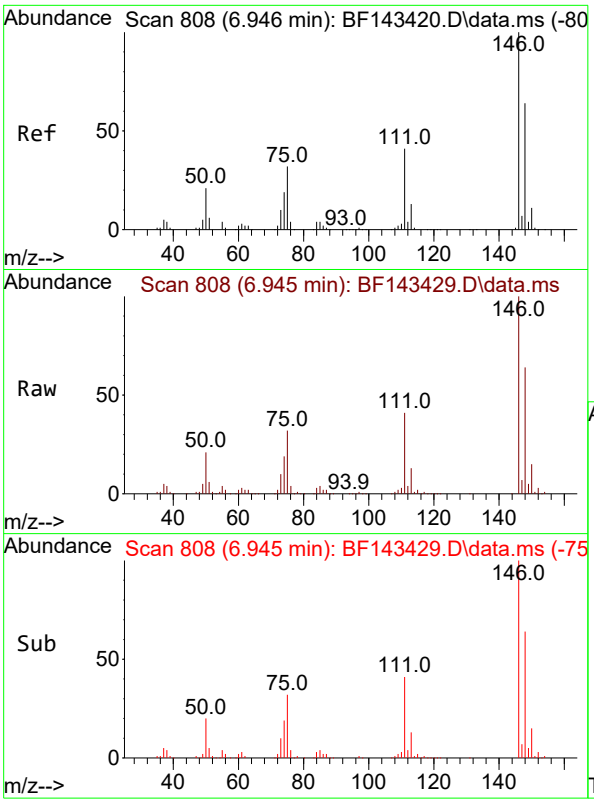


#12
1,3-Dichlorobenzene
Concen: 39.111 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:146 Resp: 366324

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	32.1	25.3	37.9



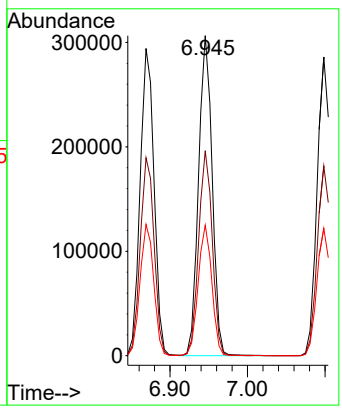


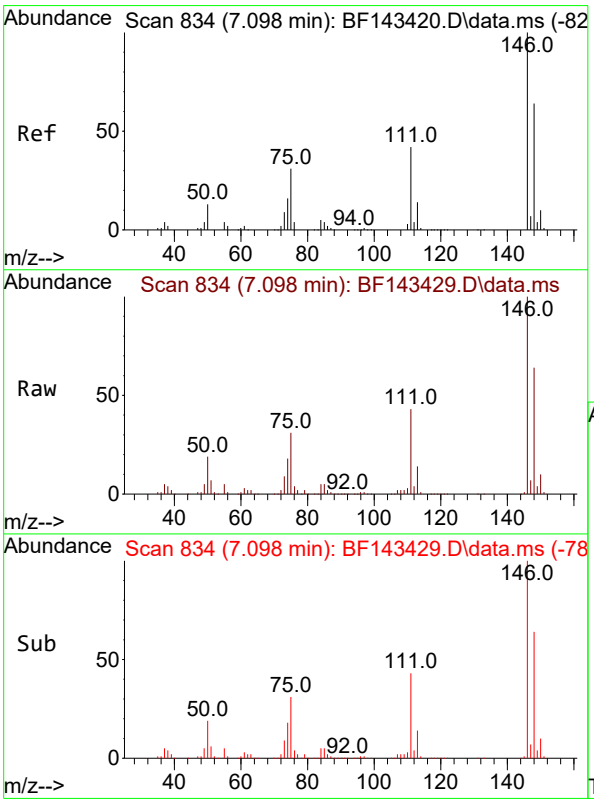
#13
1,4-Dichlorobenzene
Concen: 40.024 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 374257

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.1	76.7
111	40.8	32.5	48.7

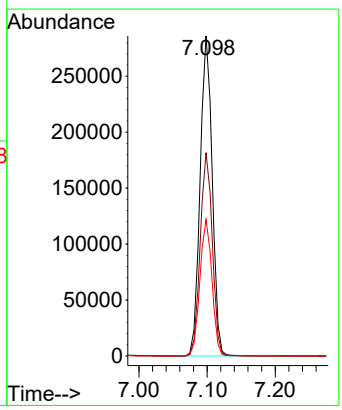


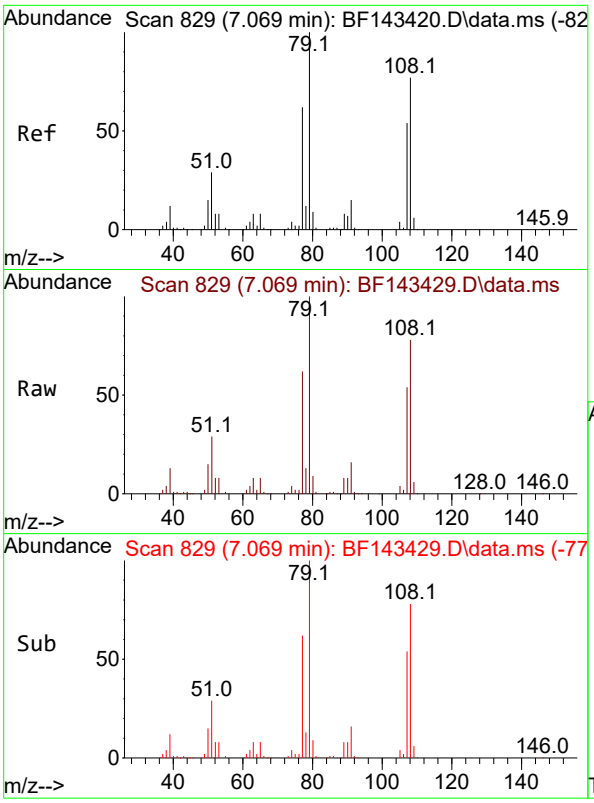


#14
1,2-Dichlorobenzene
Concen: 39.471 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:146 Resp: 352533

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.0
111	42.6	33.9	50.9



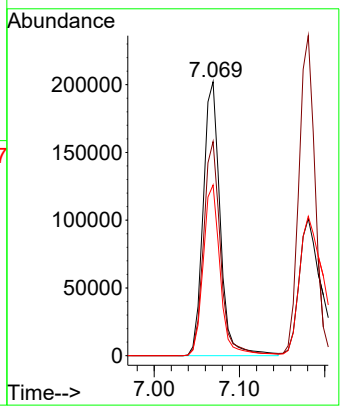


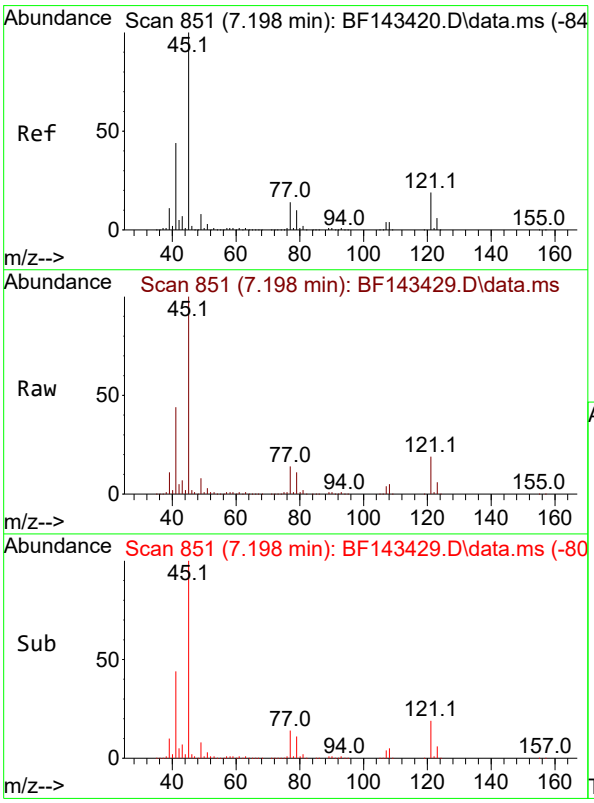
#15
Benzyl Alcohol
Concen: 39.755 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 279823

Ion	Ratio	Lower	Upper
79	100		
108	78.1	61.9	92.9
77	62.3	49.2	73.8

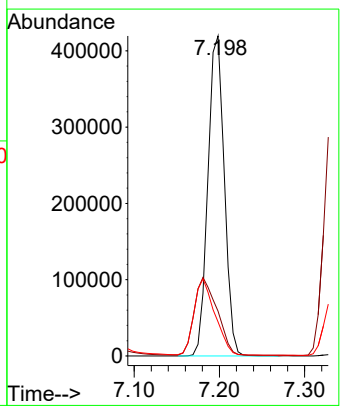


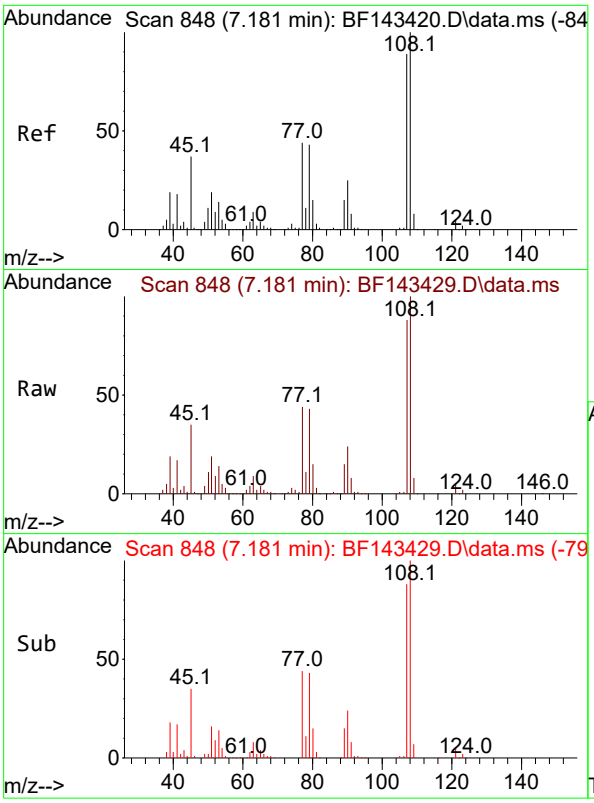


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.697 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion: 45 Resp: 560282

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	33.9
79	10.7	0.0	30.7



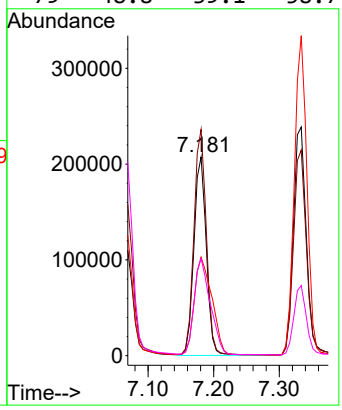


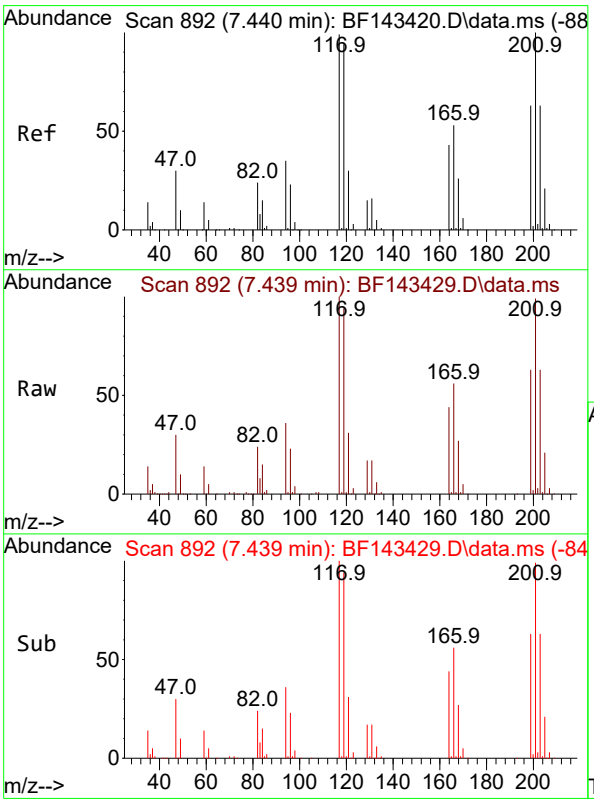
#17
2-Methylphenol
Concen: 40.203 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 274265

Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.1	135.1
77	49.6	39.9	59.9
79	48.8	39.1	58.7

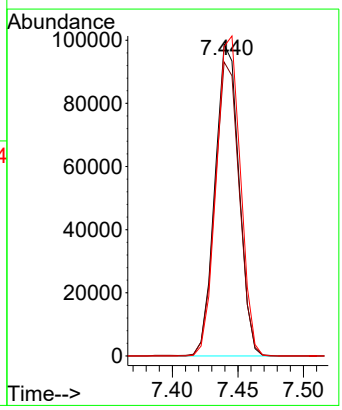


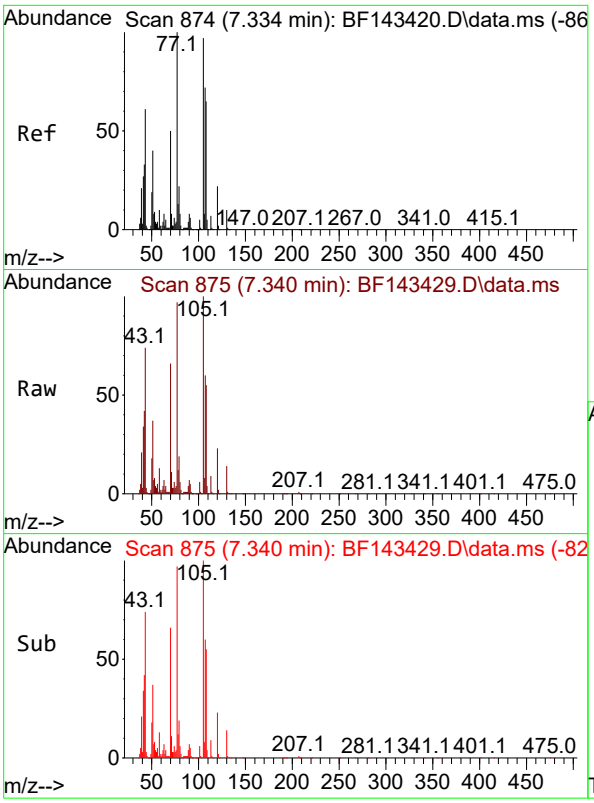


#18
Hexachloroethane
Concen: 39.332 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:117 Resp: 125190

Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.6	114.8
201	99.3	81.0	121.4



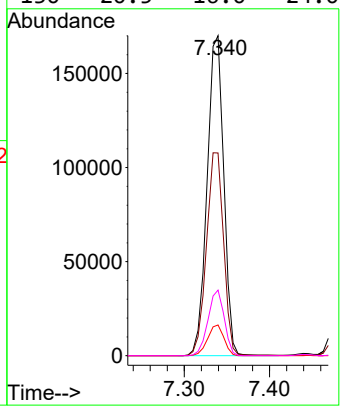


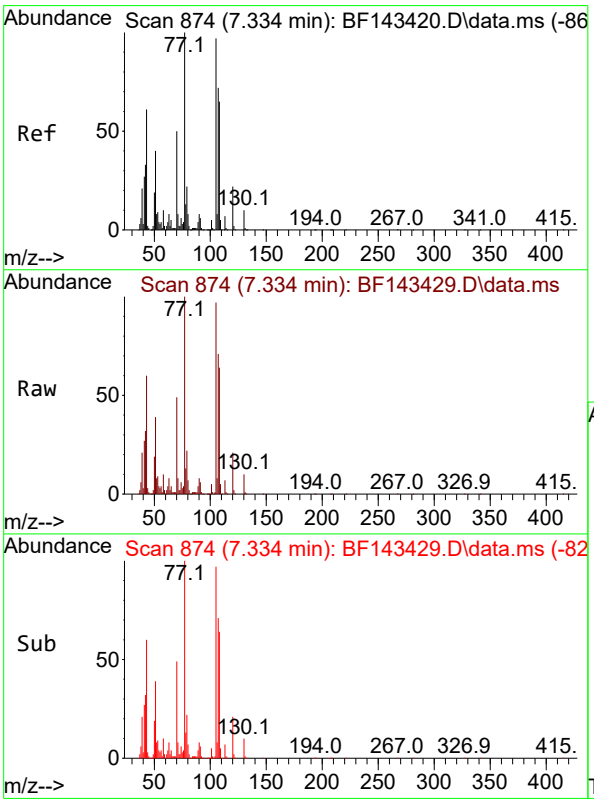
#19
n-Nitroso-di-n-propylamine
Concen: 39.095 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 231003

Ion	Ratio	Lower	Upper
70	100		
42	63.4	52.5	78.7
101	9.6	7.9	11.9
130	20.5	16.0	24.0

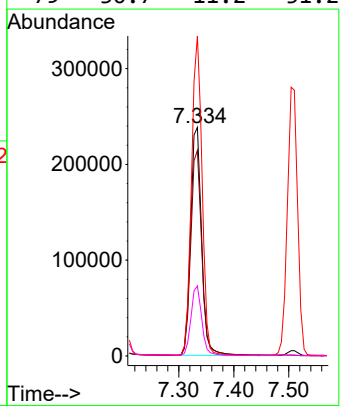


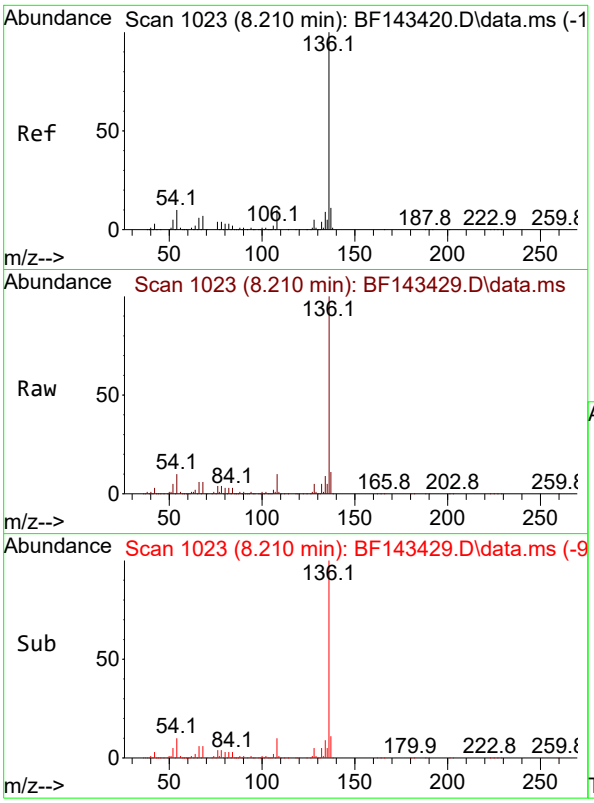


#20
3+4-Methylphenols
Concen: 40.587 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:107 Resp: 331003

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.8	110.8
77	140.0	119.1	159.1
79	30.7	11.2	51.2



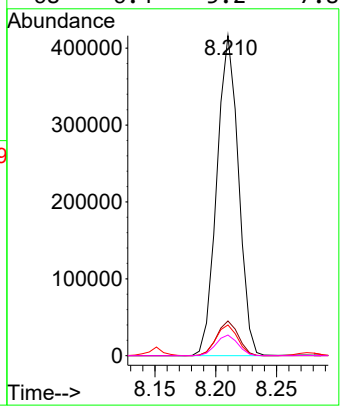


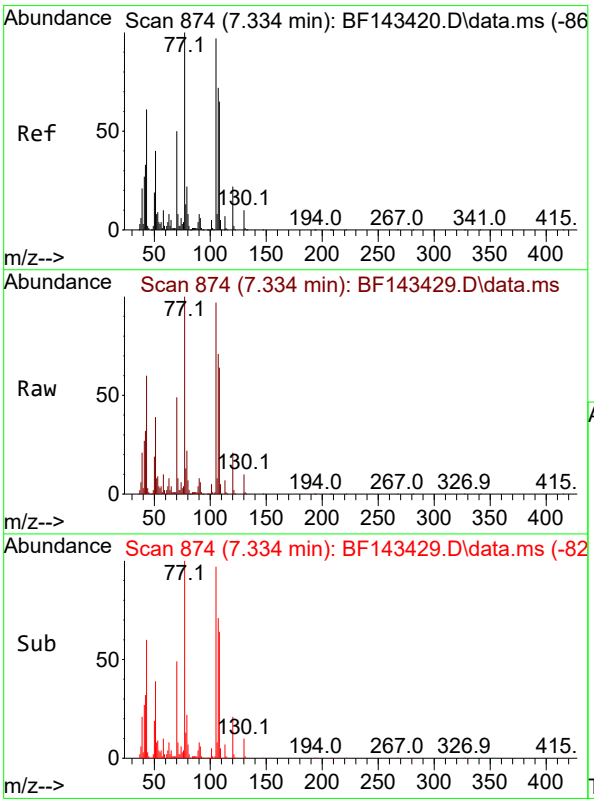
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 514889

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.6	7.8	11.8
68	6.4	5.2	7.8

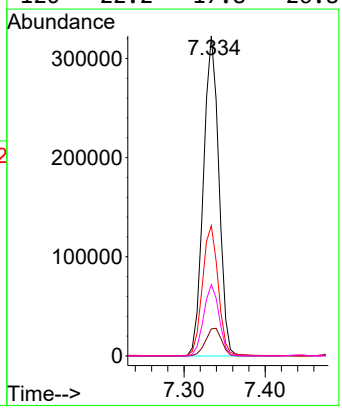


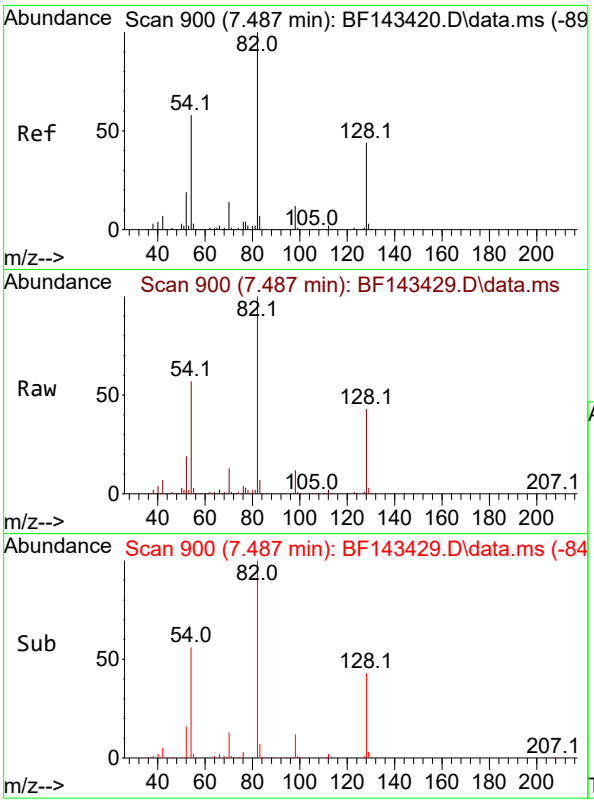


#22
Acetophenone
Concen: 38.491 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:105 Resp: 426111

Ion	Ratio	Lower	Upper
105	100		
71	8.4	7.0	10.4
51	40.7	32.7	49.1
120	22.2	17.8	26.8



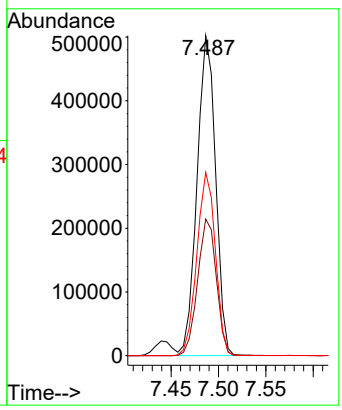


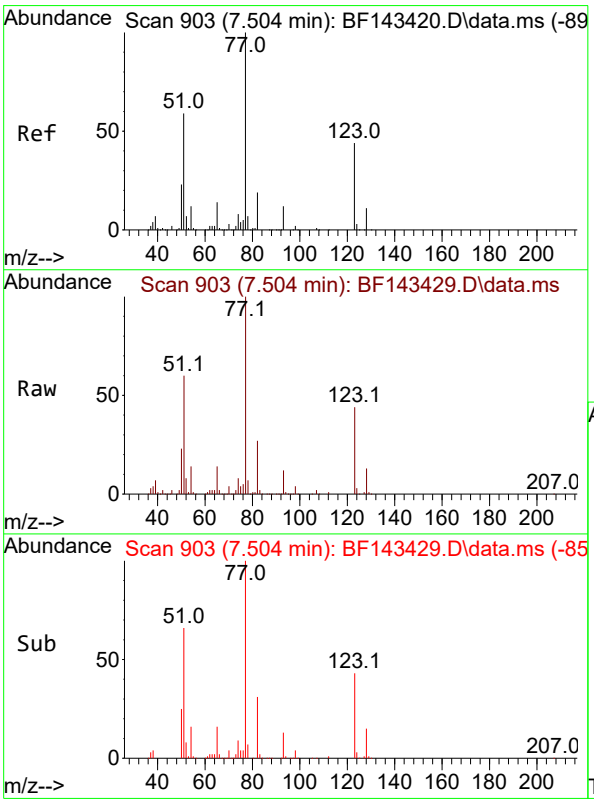
#23
Nitrobenzene-d5
Concen: 78.742 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 683252

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	52.0
54	57.2	46.0	69.0

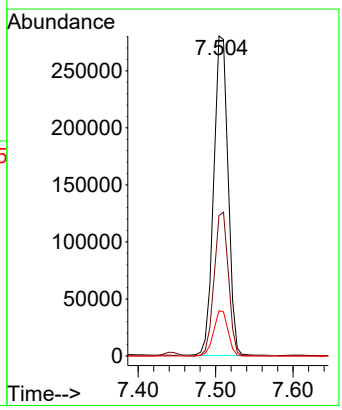


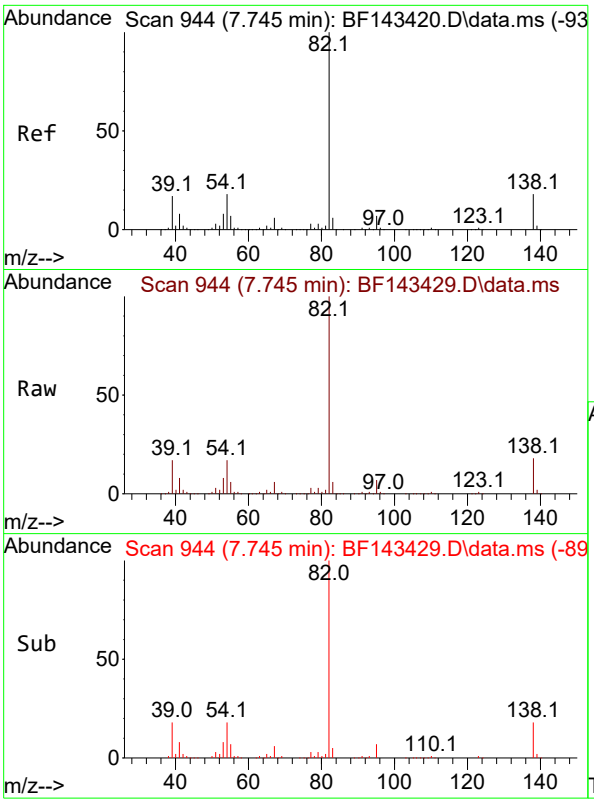


#24
Nitrobenzene
Concen: 39.898 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion: 77 Resp: 361829

Ion	Ratio	Lower	Upper
77	100		
123	43.9	35.4	53.0
65	14.1	11.2	16.8



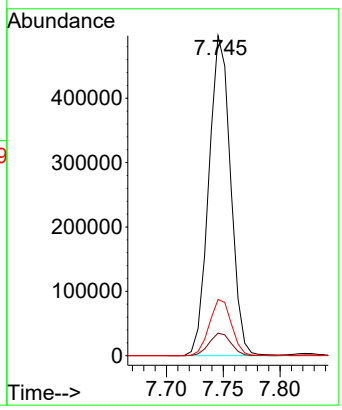


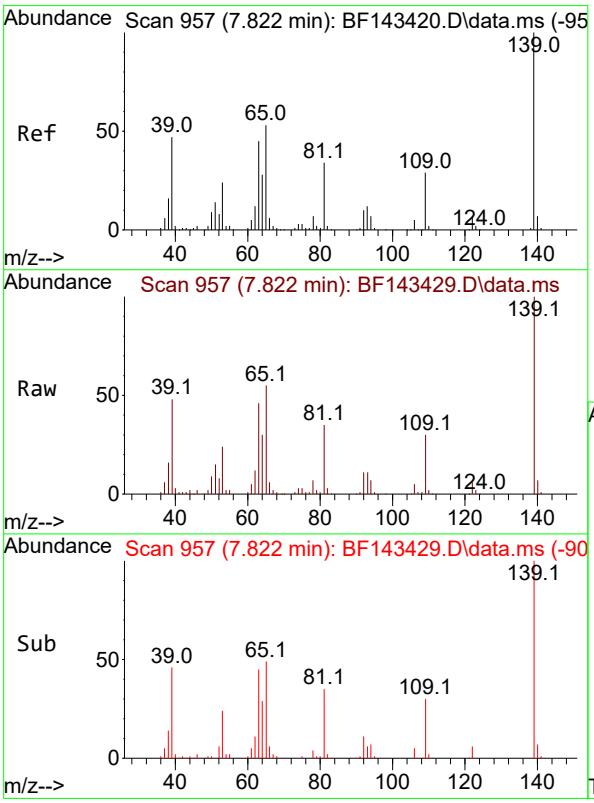
#25
Isophorone
Concen: 39.881 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 662307

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.6	14.3	21.5

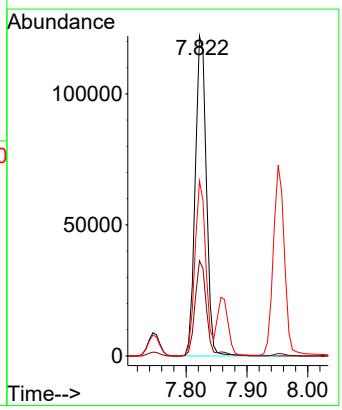


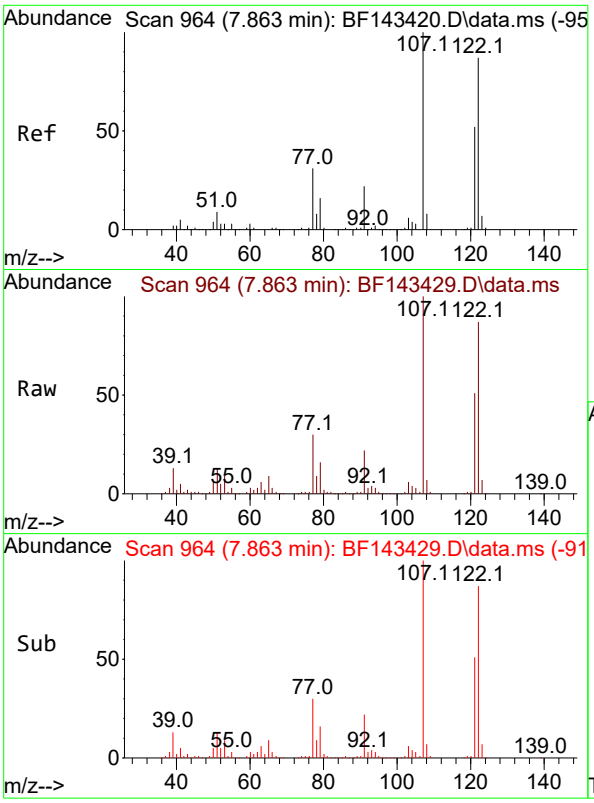


#26
2-Nitrophenol
Concen: 37.029 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:139 Resp: 155677

Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.0	34.4
65	54.7	42.5	63.7



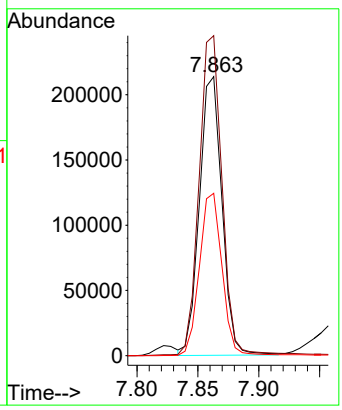


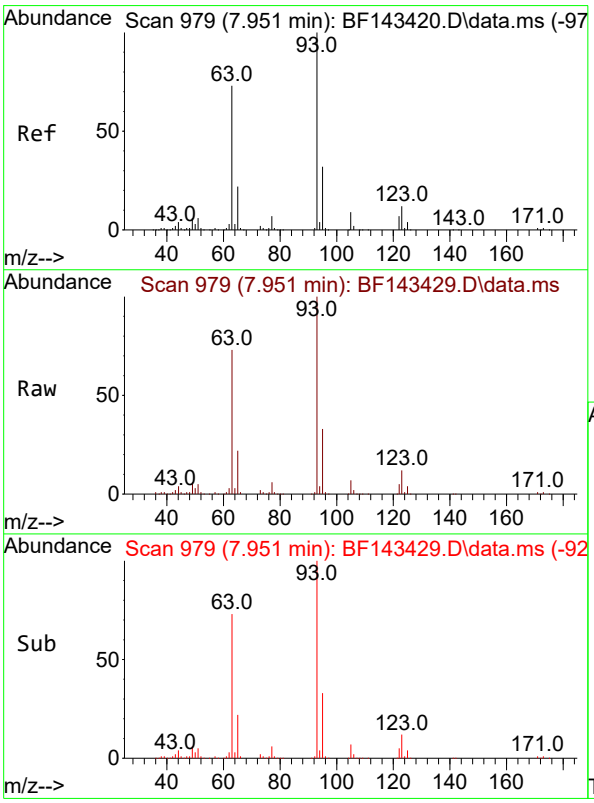
#27
2,4-Dimethylphenol
Concen: 38.859 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 276223

Ion	Ratio	Lower	Upper
122	100		
107	114.7	90.4	135.6
121	58.2	46.7	70.1

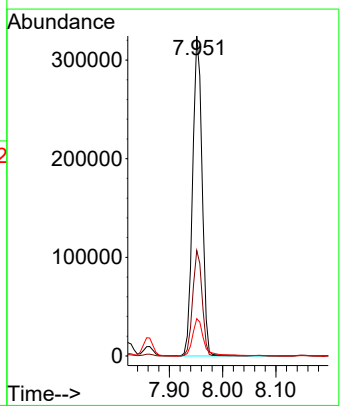


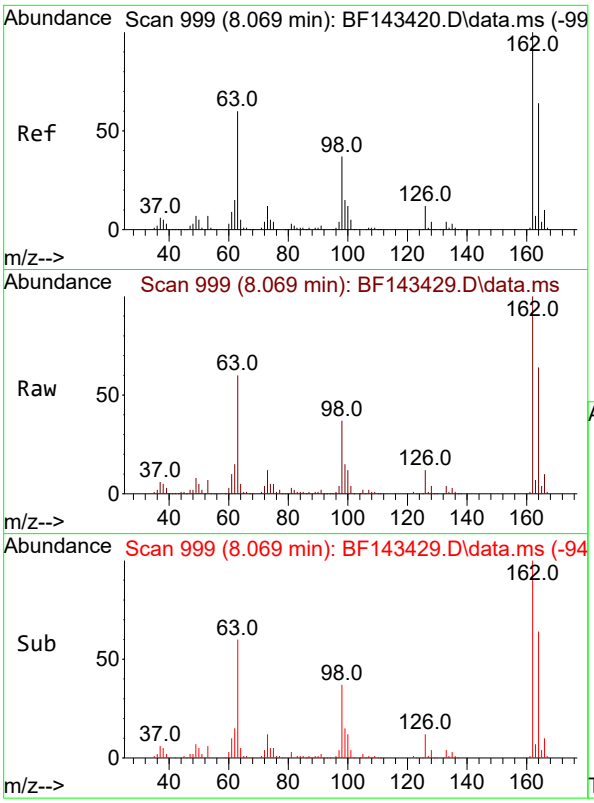


#28
bis(2-Chloroethoxy)methane
Concen: 39.401 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion: 93 Resp: 402194

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	11.6	9.5	14.3



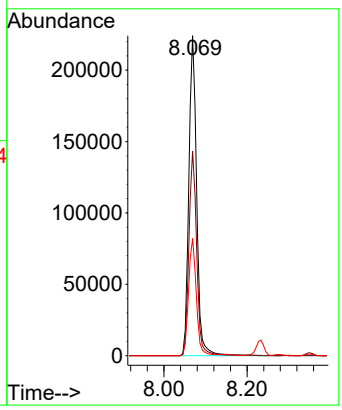


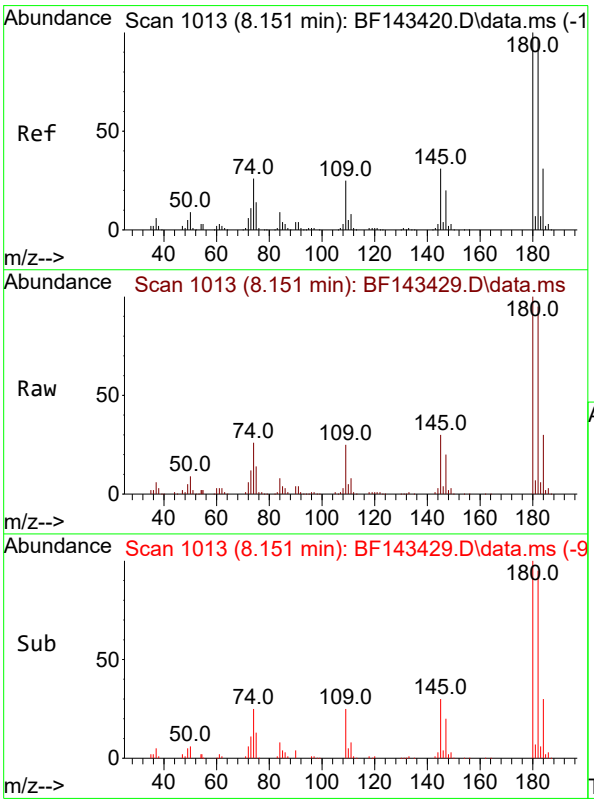
#29
2,4-Dichlorophenol
Concen: 40.183 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 291170

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.3	84.3
98	36.6	16.9	56.9

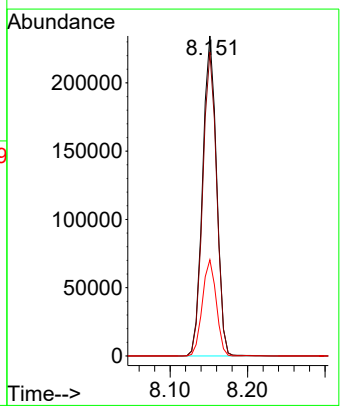


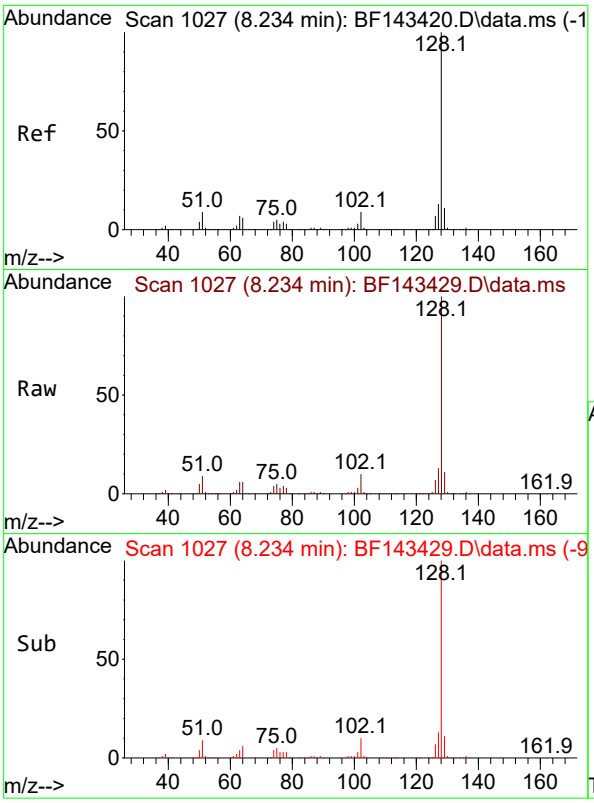


#30
1,2,4-Trichlorobenzene
Concen: 39.312 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:180 Resp: 291877

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.7	115.1
145	30.1	24.5	36.7



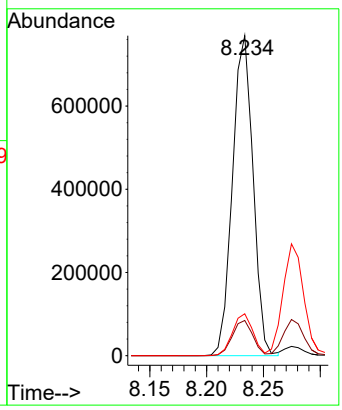


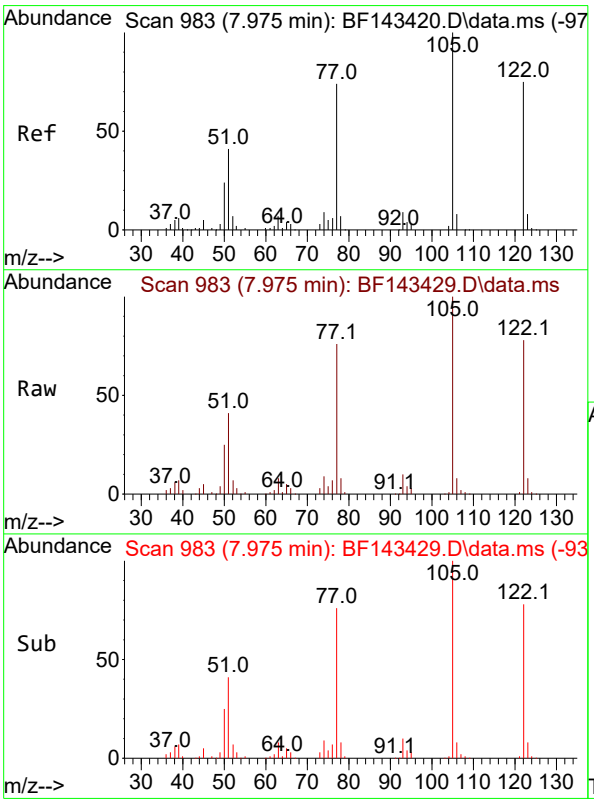
#31
Naphthalene
Concen: 39.484 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 965167

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.1	10.6	16.0

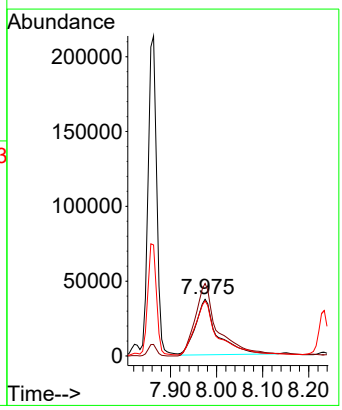


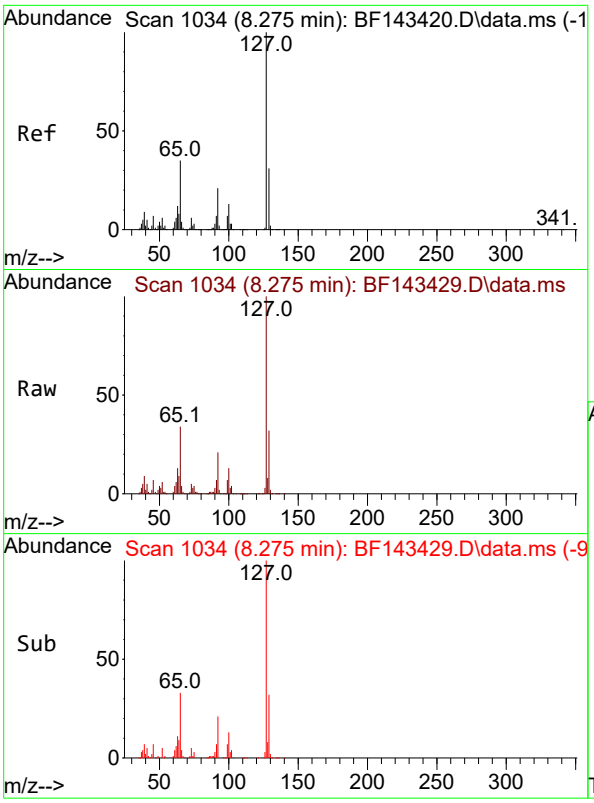


#32
Benzoic acid
Concen: 32.963 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:122 Resp: 121859

Ion	Ratio	Lower	Upper
122	100		
105	127.8	108.4	148.4
77	97.2	75.9	115.9



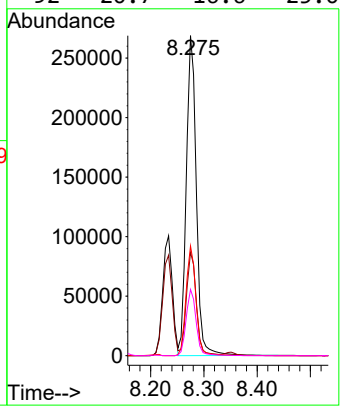


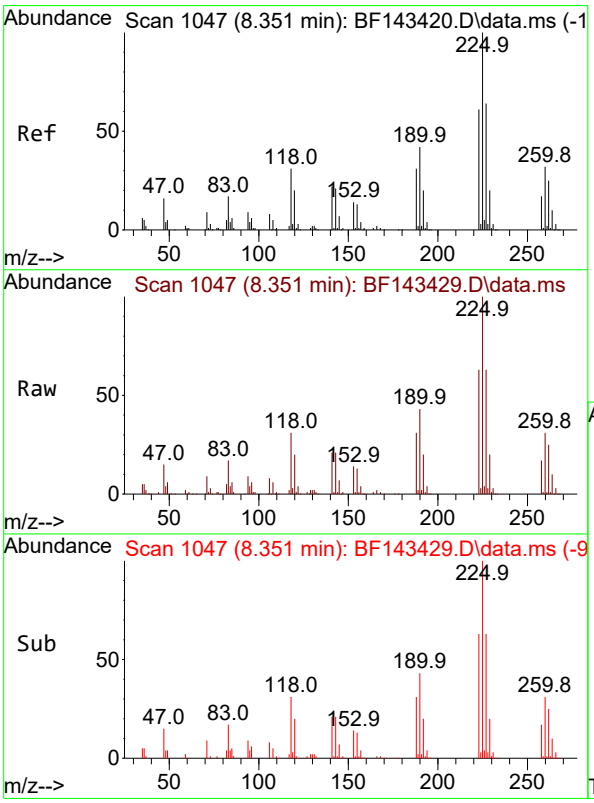
#33
4-Chloroaniline
Concen: 39.758 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 350803

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	34.3	27.2	40.8
92	20.7	16.6	25.0

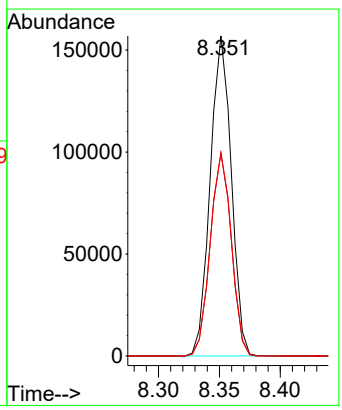


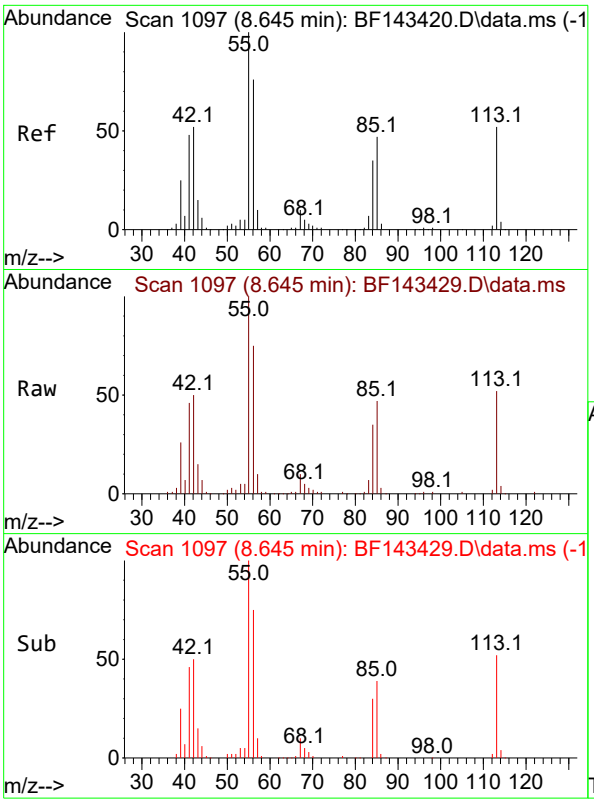


#34
Hexachlorobutadiene
Concen: 39.883 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:225 Resp: 188826

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.0	73.6
227	63.5	51.1	76.7



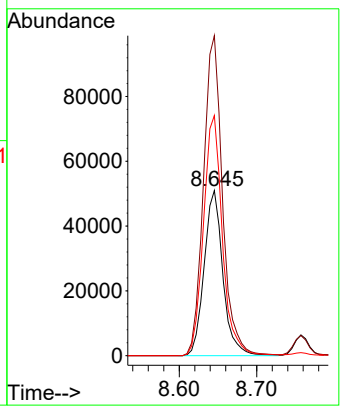


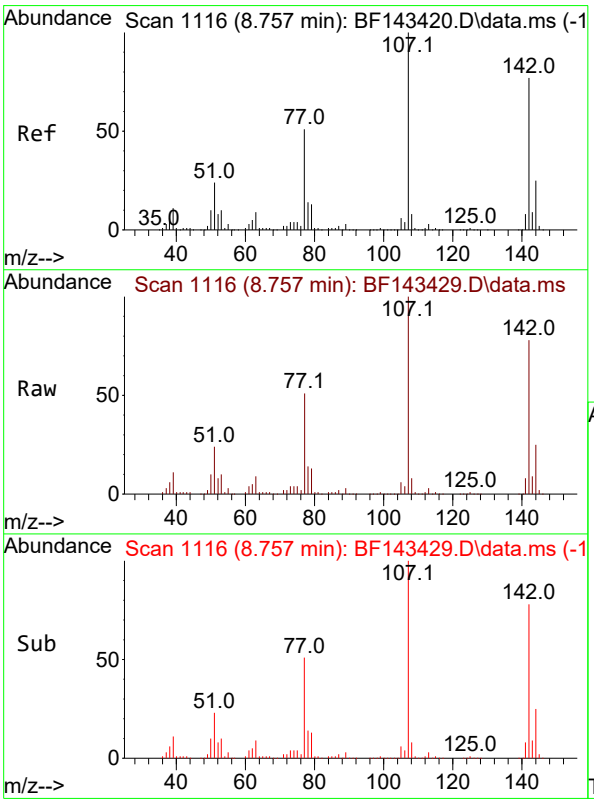
#35
Caprolactam
Concen: 41.013 ng
RT: 8.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 85562

Ion	Ratio	Lower	Upper
113	100		
55	193.8	174.7	214.7
56	145.5	127.0	167.0

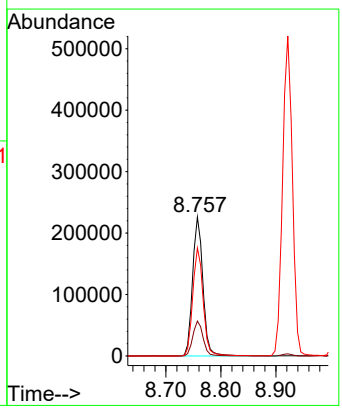


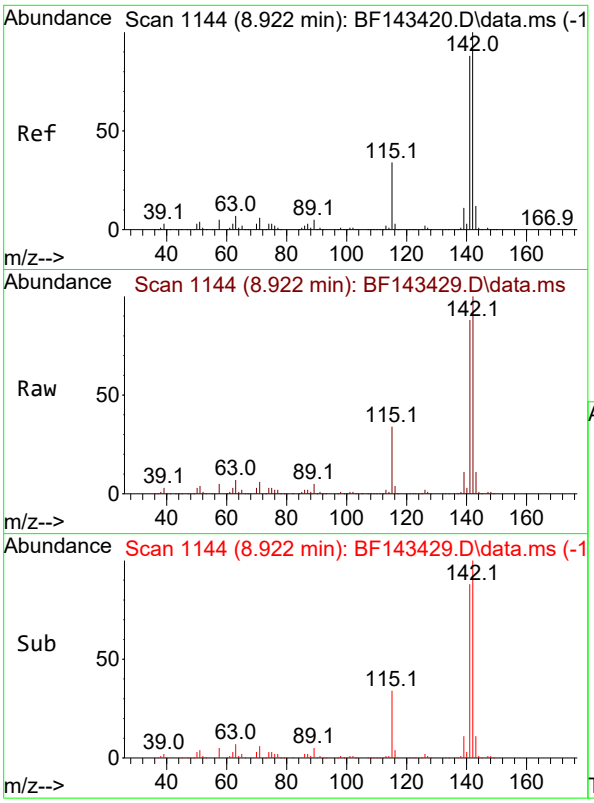


#36
4-Chloro-3-methylphenol
Concen: 39.801 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:107 Resp: 297024

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.2	30.2
142	77.7	62.0	93.0



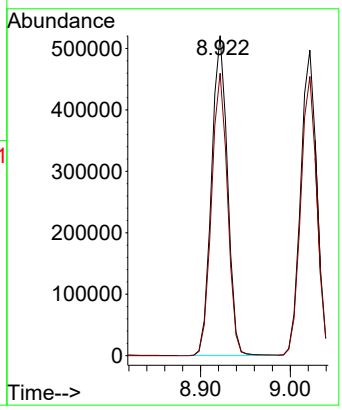


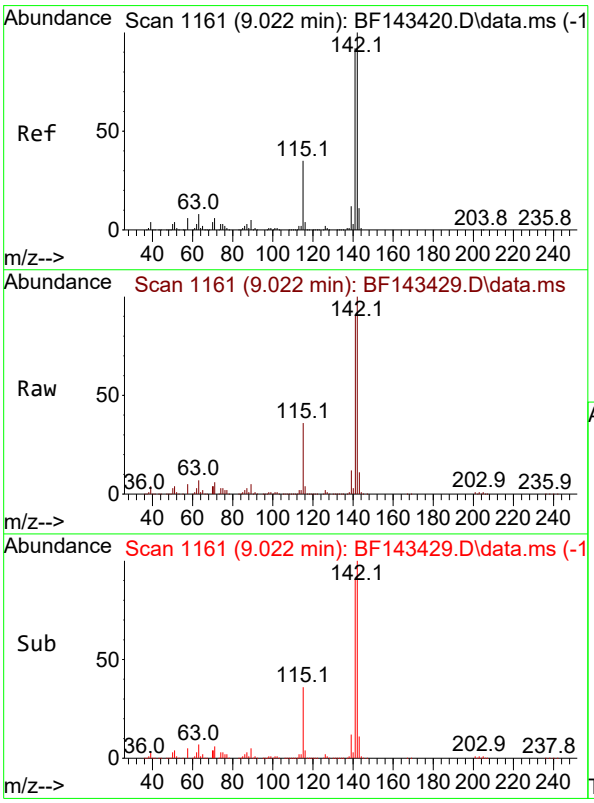
#37
2-Methylnaphthalene
Concen: 39.050 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 643429

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.3	105.5

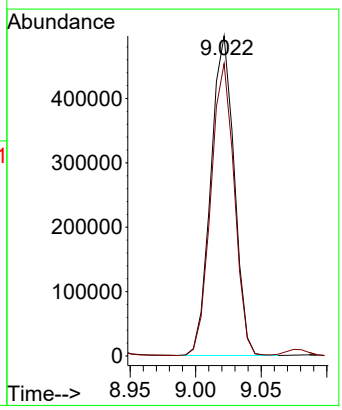


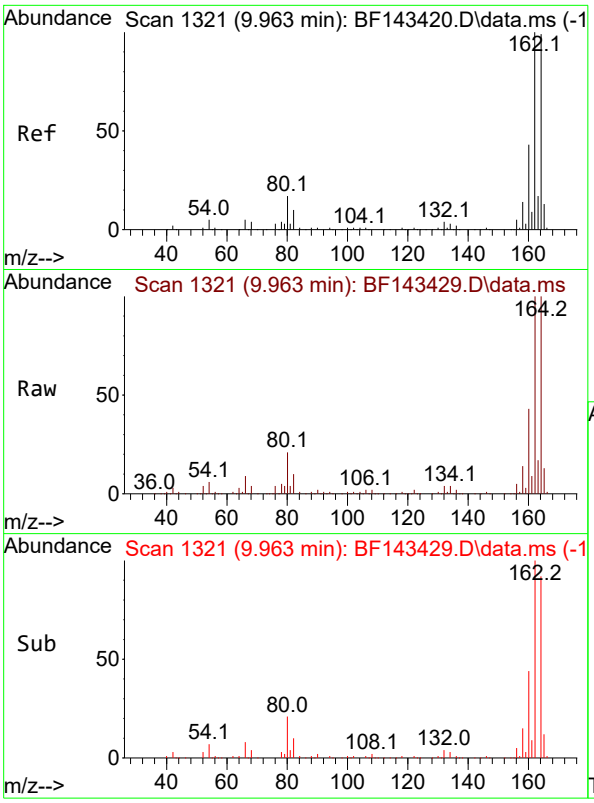


#38
1-Methylnaphthalene
Concen: 39.007 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:142 Resp: 615790

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.8	110.6



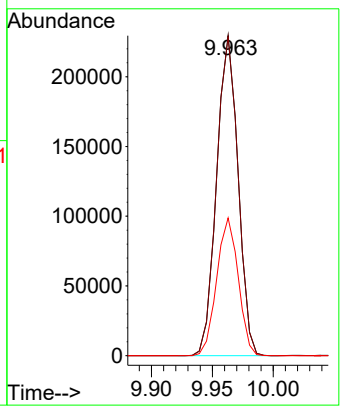


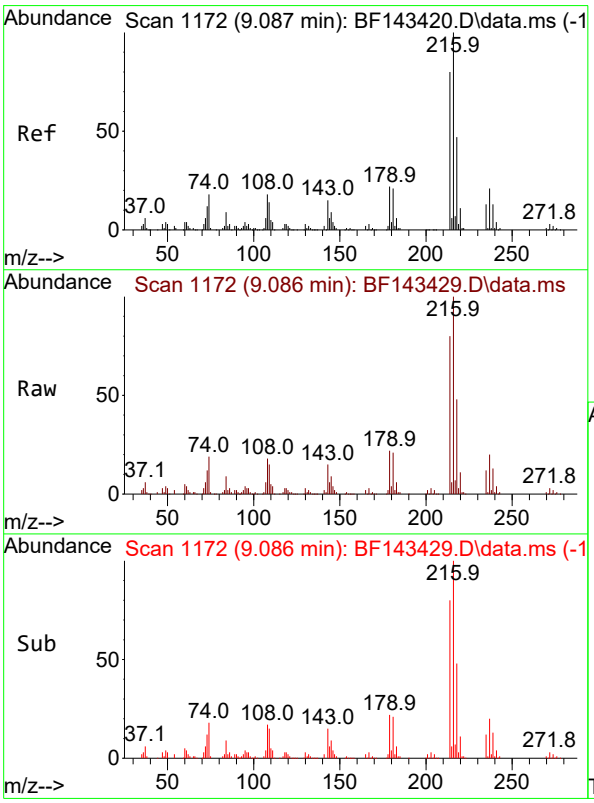
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 280712

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.6	121.0
160	43.1	34.6	51.8

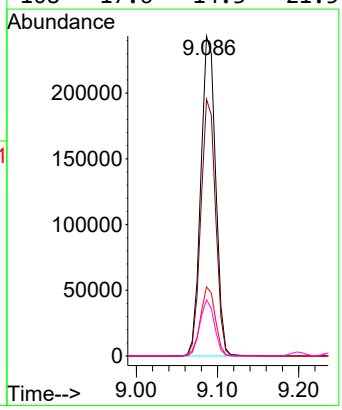


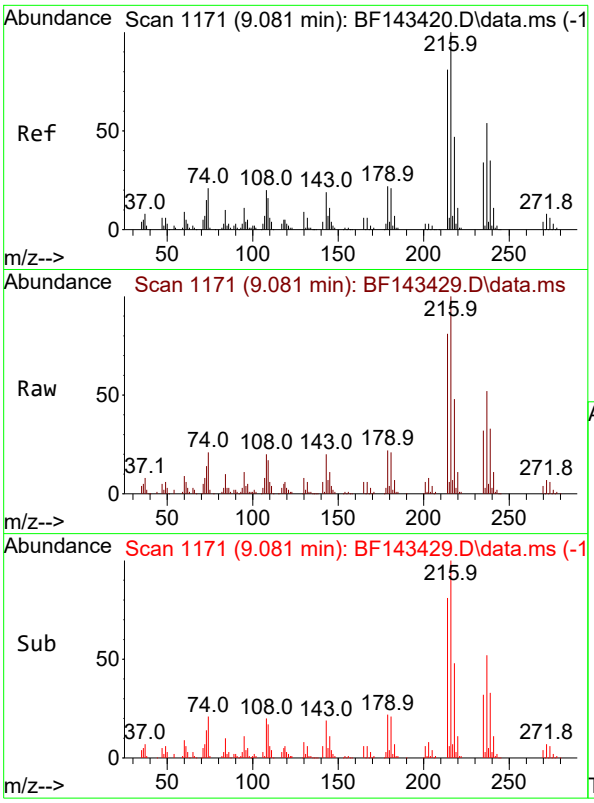


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.273 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:216 Resp: 307452

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.7	95.5
179	21.3	17.0	25.4
108	17.6	14.3	21.5



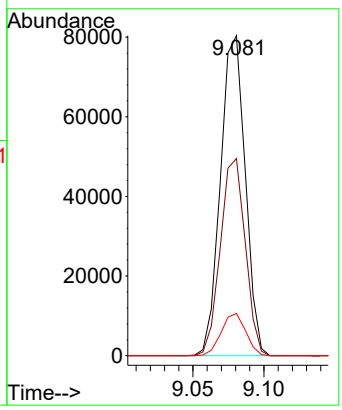


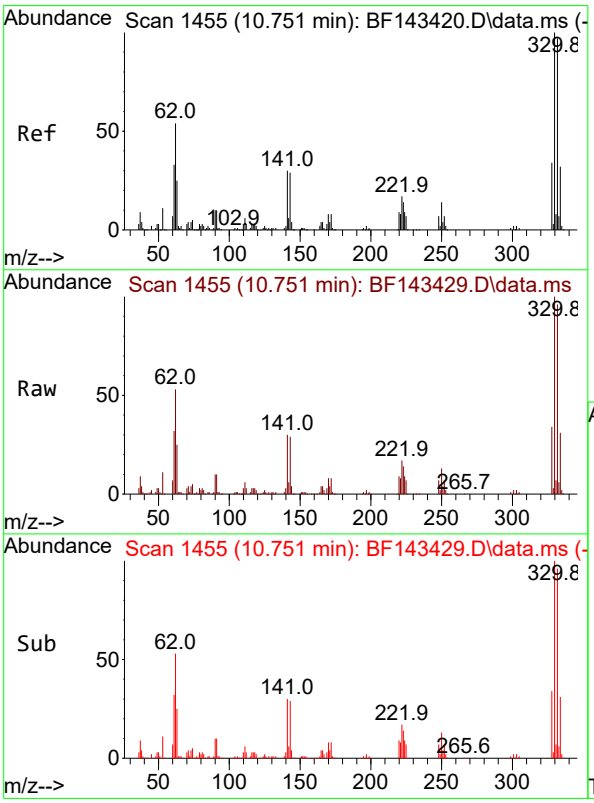
#41
Hexachlorocyclopentadiene
Concen: 37.941 ng
RT: 9.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 97535

Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.6	81.6
272	13.2	0.0	33.8

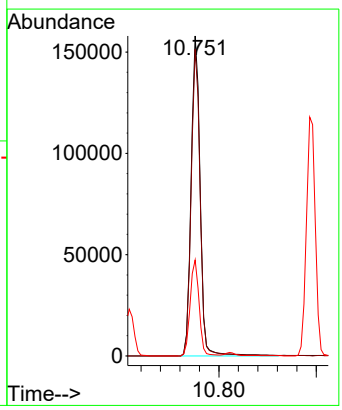


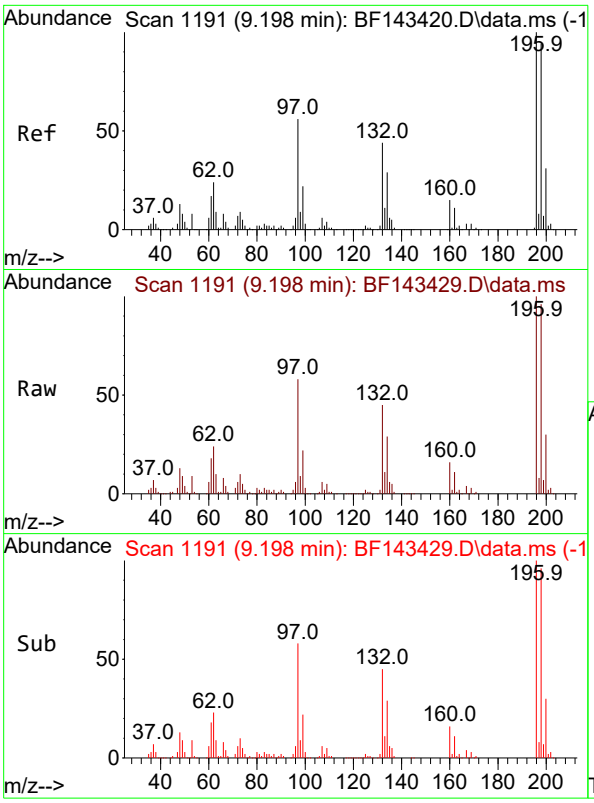


#42
2,4,6-Tribromophenol
Concen: 81.149 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:330 Resp: 202755

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.4	116.2
141	29.8	24.1	36.1



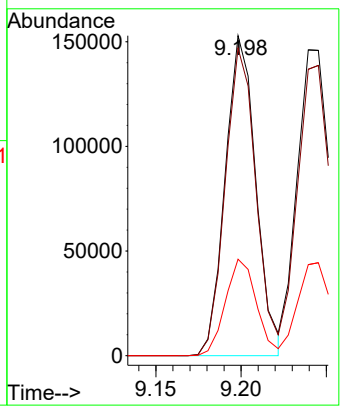


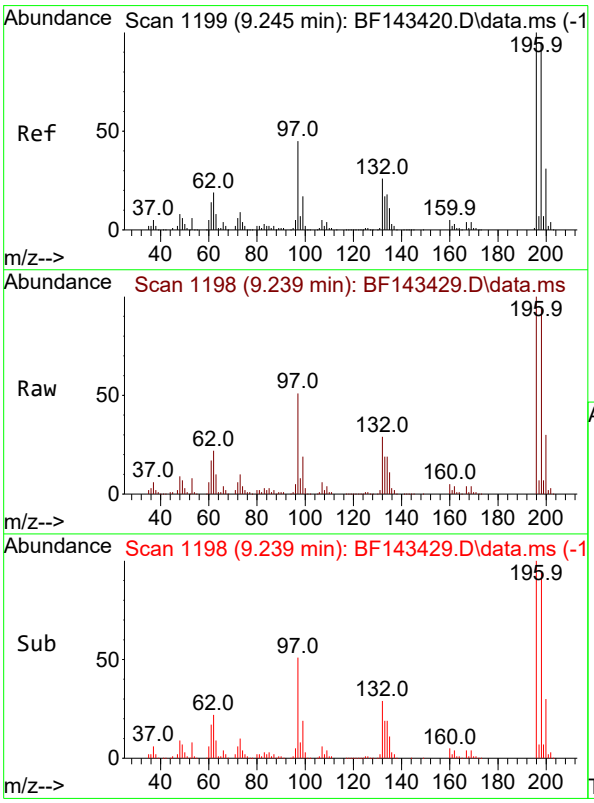
#43
2,4,6-Trichlorophenol
Concen: 39.295 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 191901

Ion	Ratio	Lower	Upper
196	100		
198	96.1	75.4	113.2
200	30.2	24.7	37.1

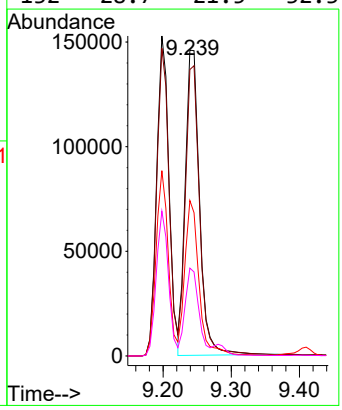


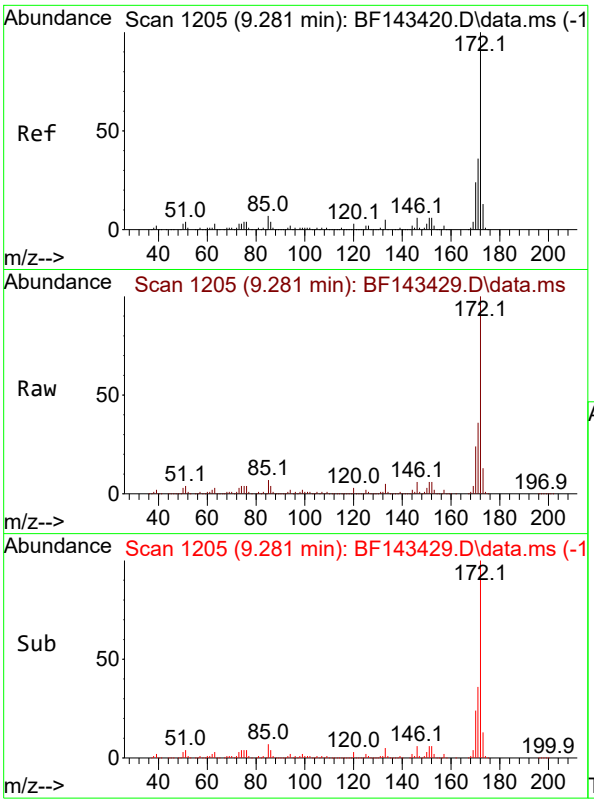


#44
2,4,5-Trichlorophenol
Concen: 40.430 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:196 Resp: 211642

Ion	Ratio	Lower	Upper
196	100		
198	93.6	76.2	114.4
97	50.8	36.6	55.0
132	28.7	21.5	32.3



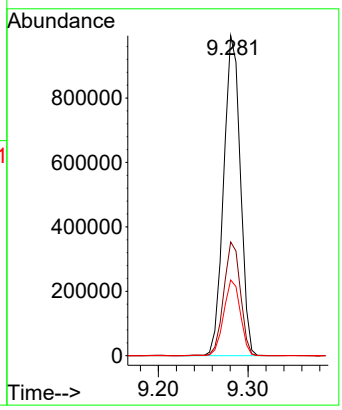


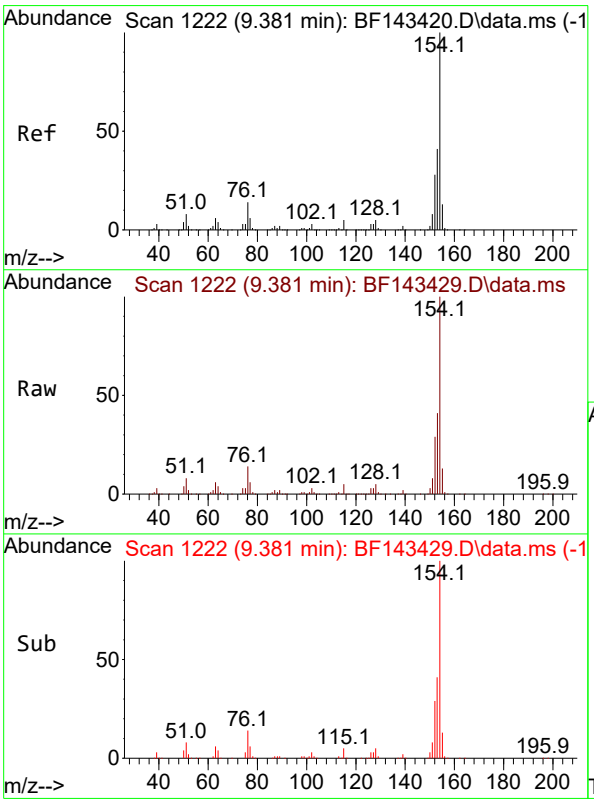
#45
2-Fluorobiphenyl
Concen: 76.776 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1281342

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.6	19.0	28.6

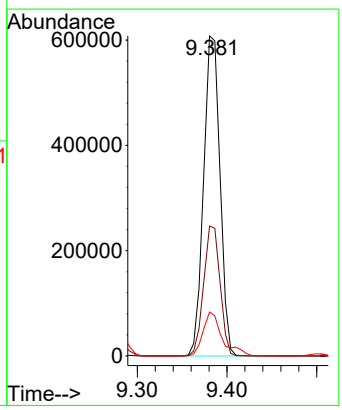


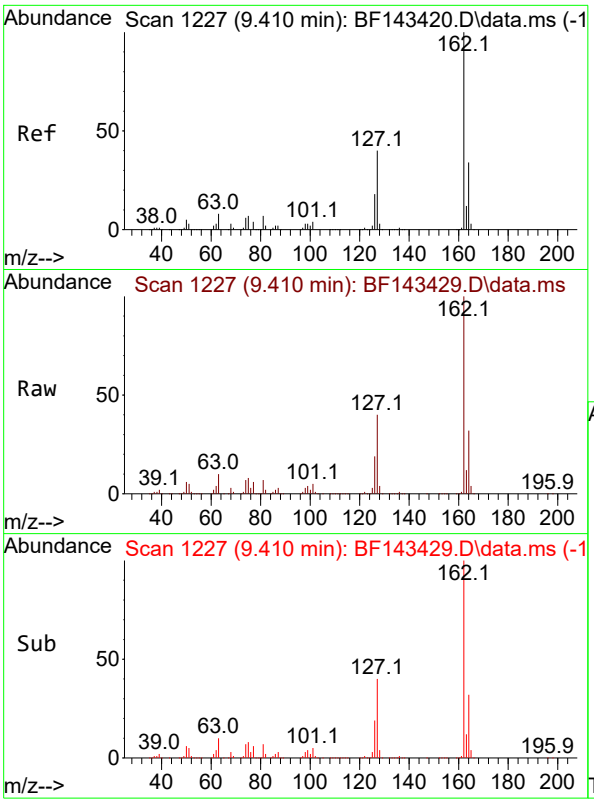


#46
1,1'-Biphenyl
Concen: 39.170 ng
RT: 9.381 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:154 Resp: 772560

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	13.7	0.0	33.8



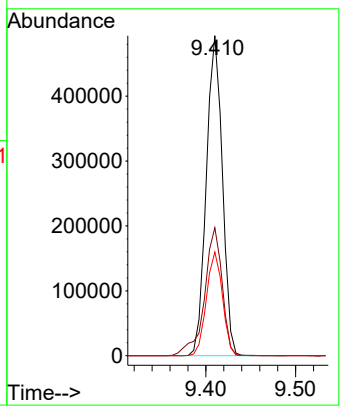


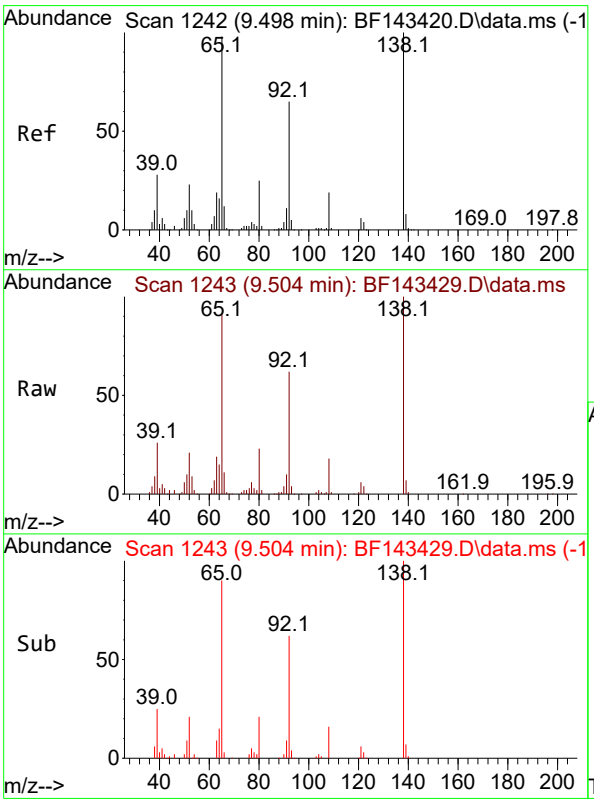
#47
2-Chloronaphthalene
Concen: 39.356 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 612724

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.3	48.5
164	32.4	26.9	40.3

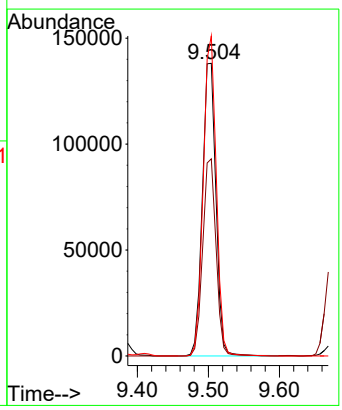


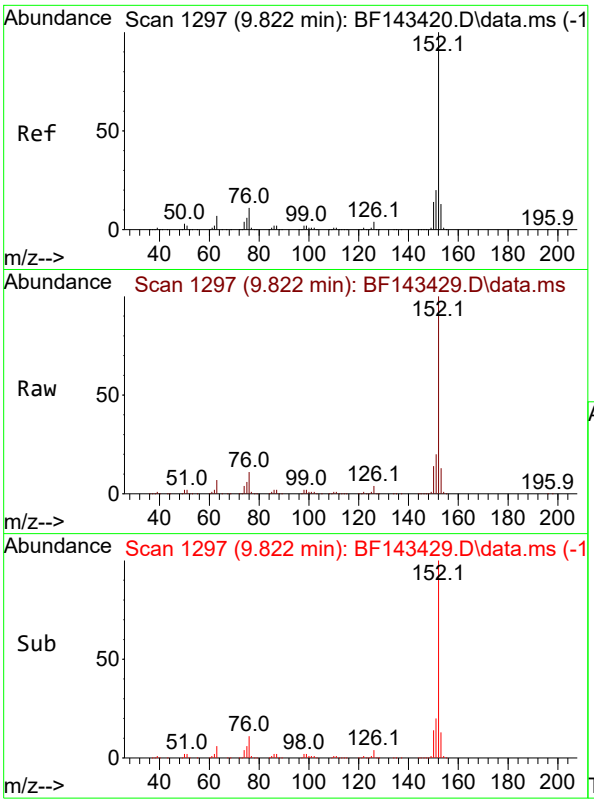


#48
2-Nitroaniline
Concen: 39.687 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion: 65 Resp: 183872

Ion	Ratio	Lower	Upper
65	100		
92	67.4	52.9	79.3
138	109.4	81.3	121.9



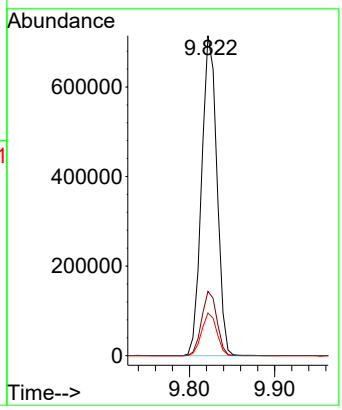


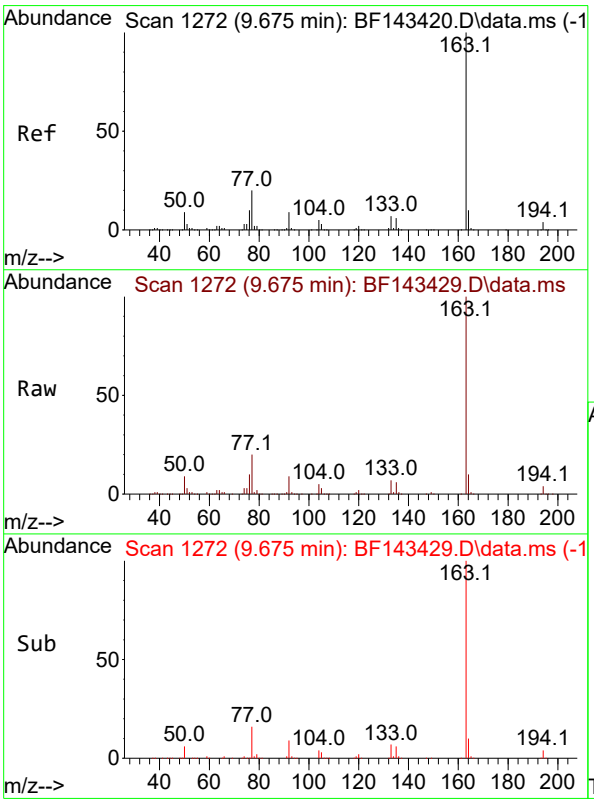
#49
Acenaphthylene
Concen: 39.654 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 891356

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.3	10.8	16.2

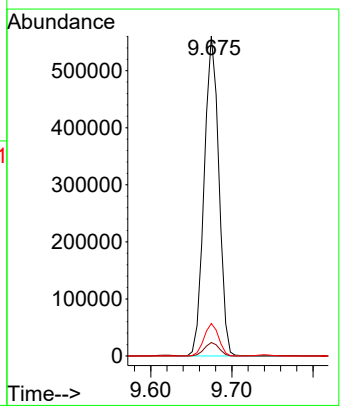


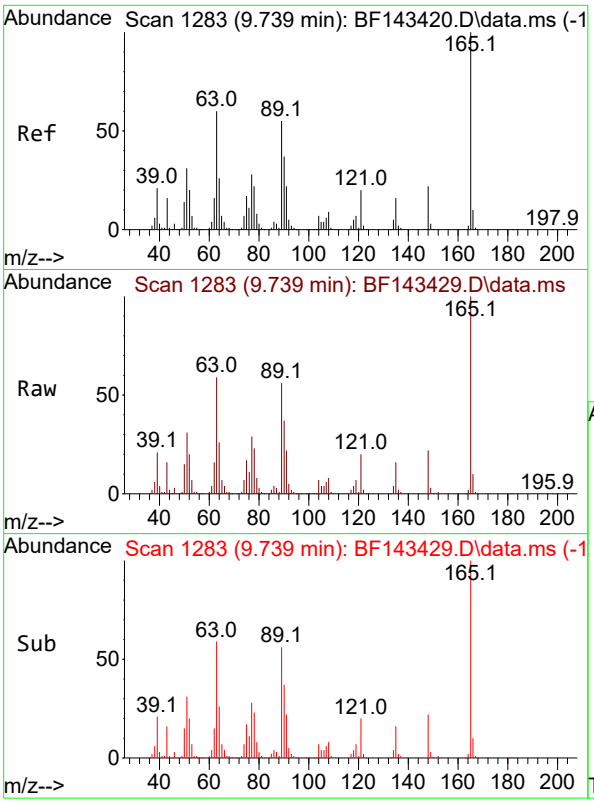


#50
Dimethylphthalate
Concen: 40.165 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:163 Resp: 702928

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.4



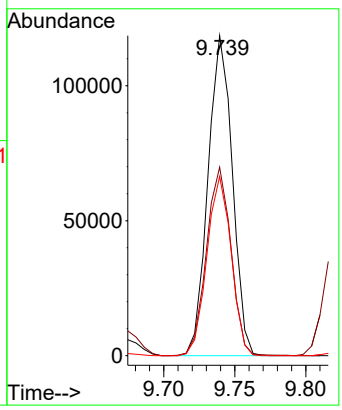


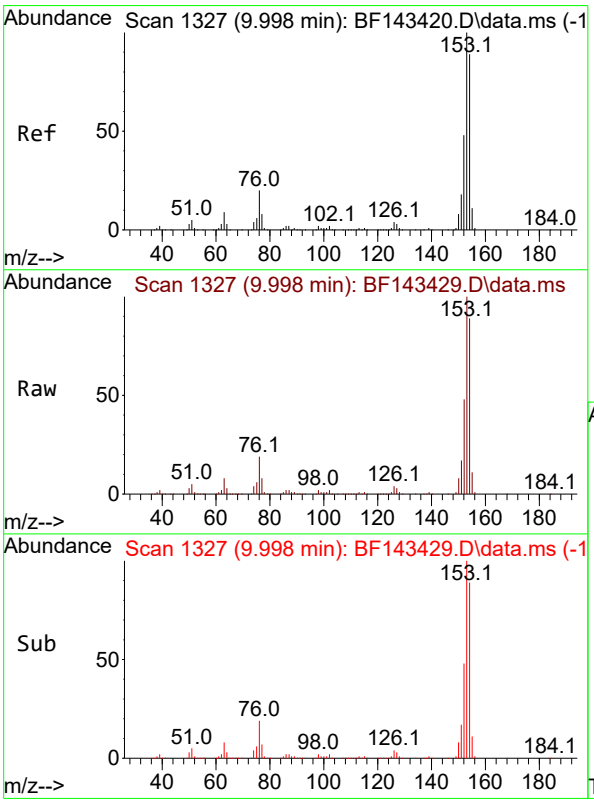
#51
2,6-Dinitrotoluene
Concen: 40.951 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 141282

Ion	Ratio	Lower	Upper
165	100		
63	58.9	48.2	72.2
89	56.0	44.2	66.2

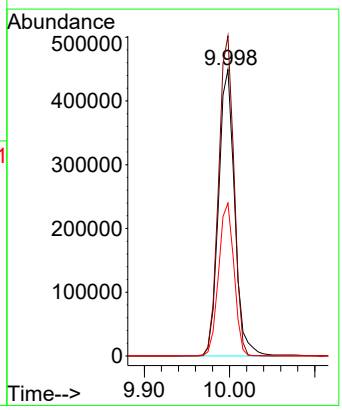


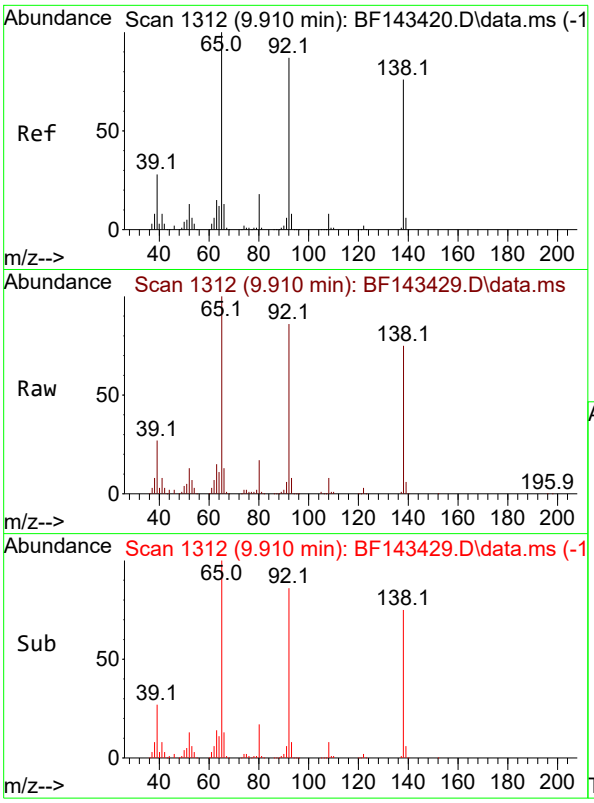


#52
Acenaphthene
Concen: 39.115 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:154 Resp: 591370

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.5	134.3
152	53.4	42.6	64.0



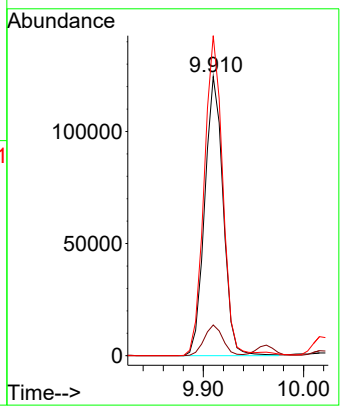


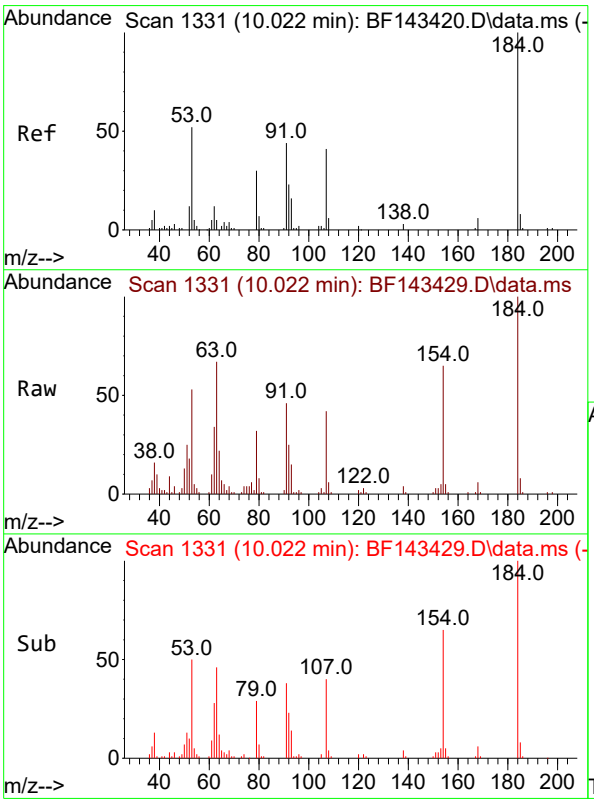
#53
3-Nitroaniline
Concen: 41.565 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 159737

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.7	13.1
92	114.7	91.4	137.2

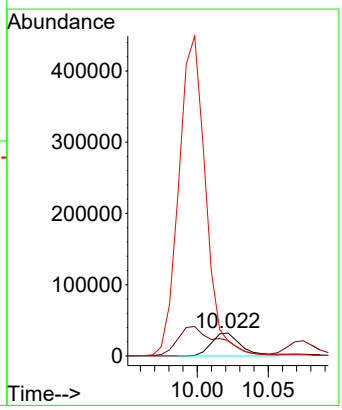


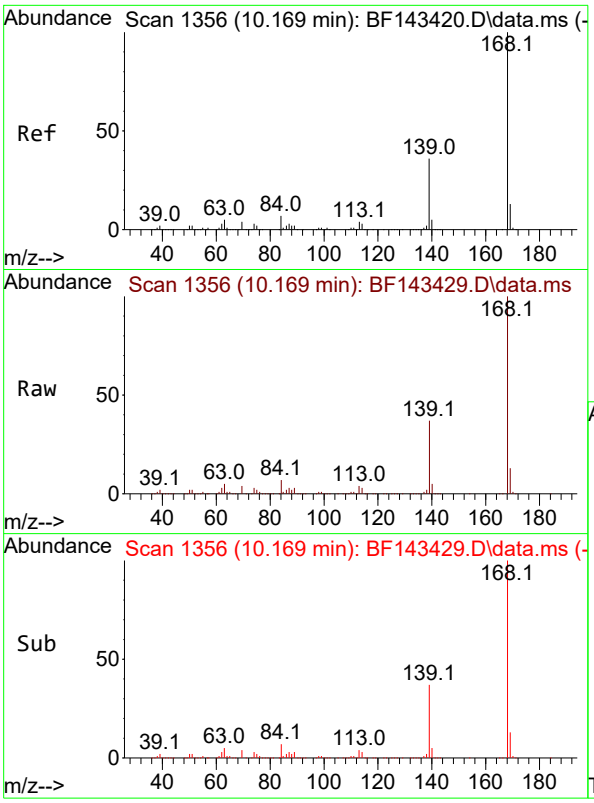


#54
2,4-Dinitrophenol
Concen: 32.877 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:184 Resp: 46856

Ion	Ratio	Lower	Upper
184	100		
63	67.2	53.2	79.8
154	65.1	51.3	76.9



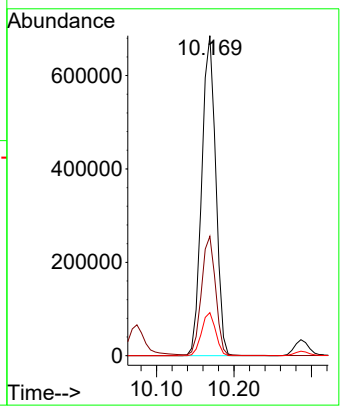


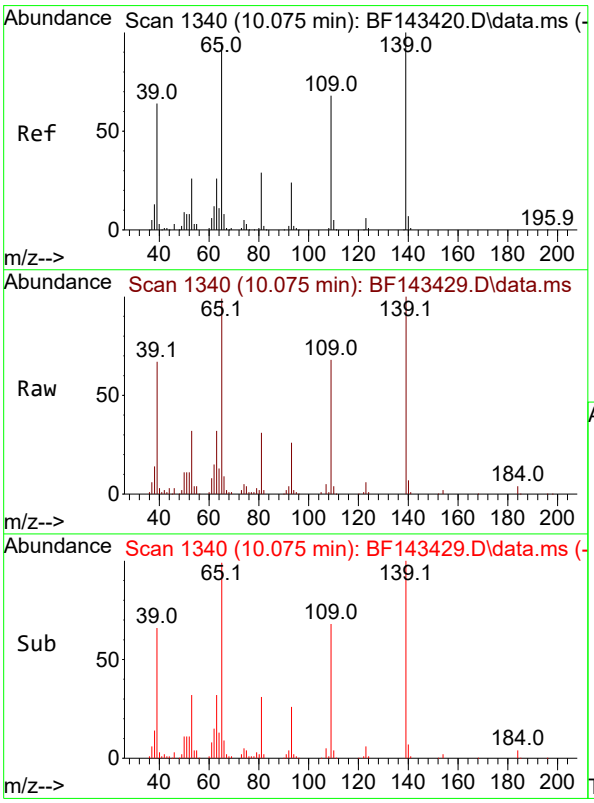
#55
Dibenzofuran
Concen: 39.442 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 860223

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.3	43.9
169	13.5	10.8	16.2

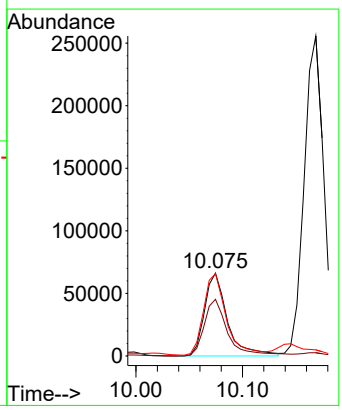


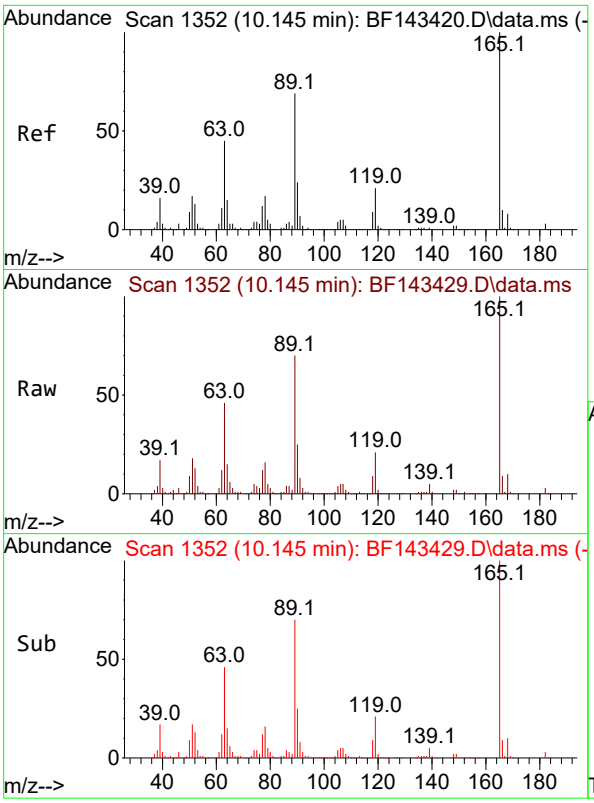


#56
4-Nitrophenol
Concen: 40.781 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:139 Resp: 98531

Ion	Ratio	Lower	Upper
139	100		
109	68.3	47.7	87.7
65	99.3	76.4	116.4



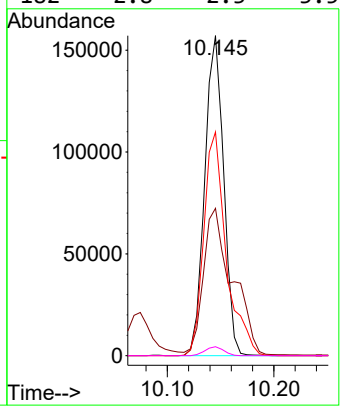


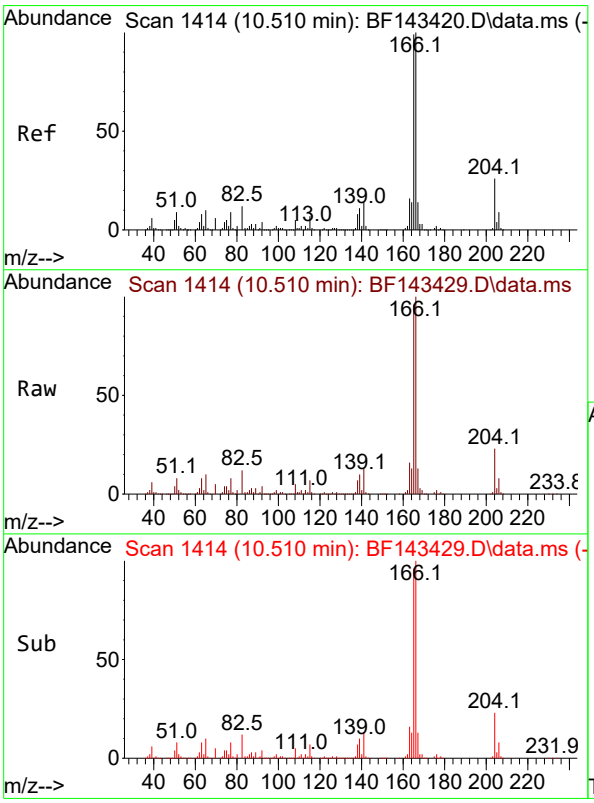
#57
2,4-Dinitrotoluene
Concen: 42.149 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 193875

Ion	Ratio	Lower	Upper
165	100		
63	46.1	37.0	55.6
89	69.9	55.4	83.0
182	2.8	2.3	3.5

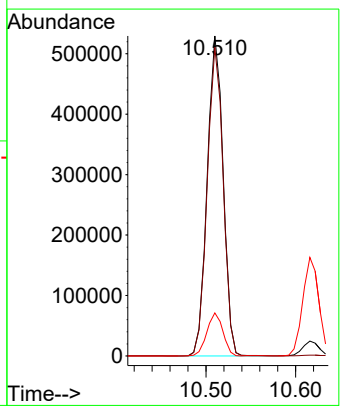


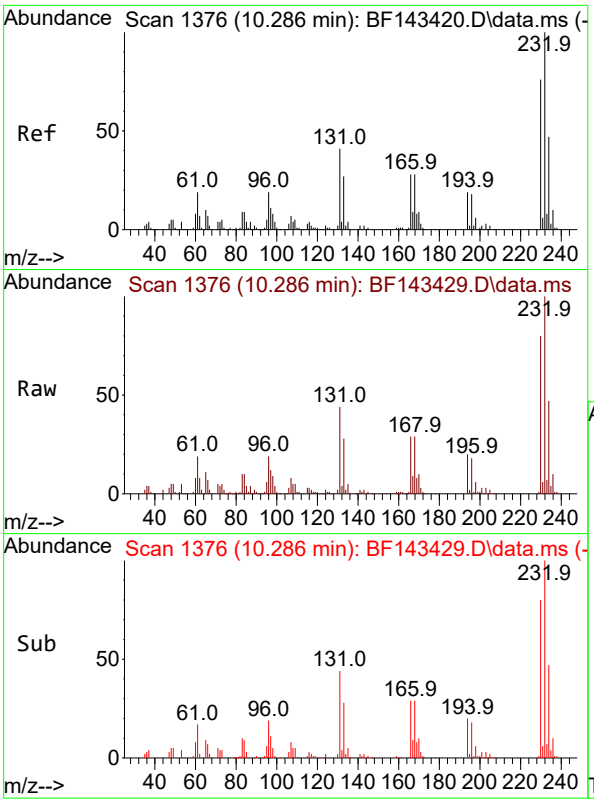


#58
Fluorene
Concen: 39.029 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:166 Resp: 653929

Ion	Ratio	Lower	Upper
166	100		
165	96.4	79.0	118.6
167	13.4	10.9	16.3



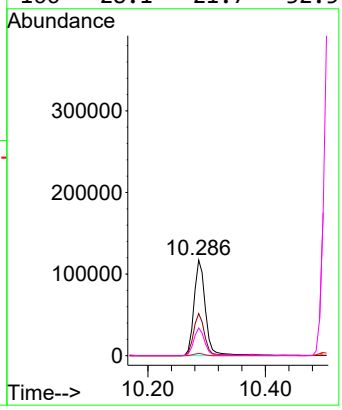


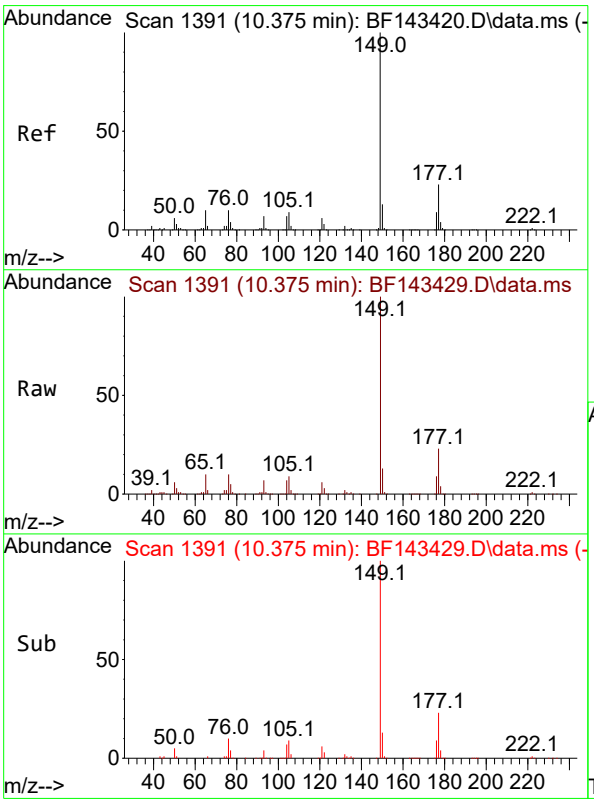
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.256 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 159517

Ion	Ratio	Lower	Upper
232	100		
131	42.8	32.0	48.0
130	2.1	1.7	2.5
166	28.1	21.7	32.5

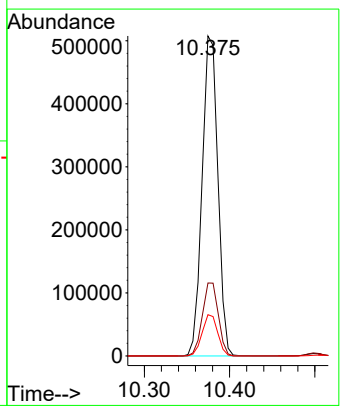


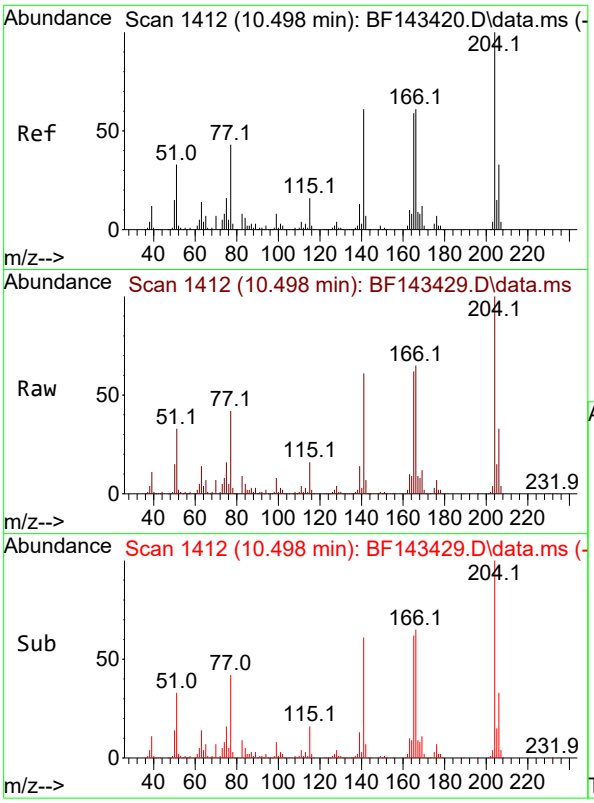


#60
Diethylphthalate
Concen: 40.299 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:149 Resp: 651738

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.2	27.4
150	12.9	10.1	15.1



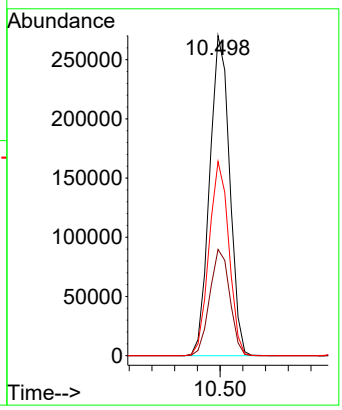


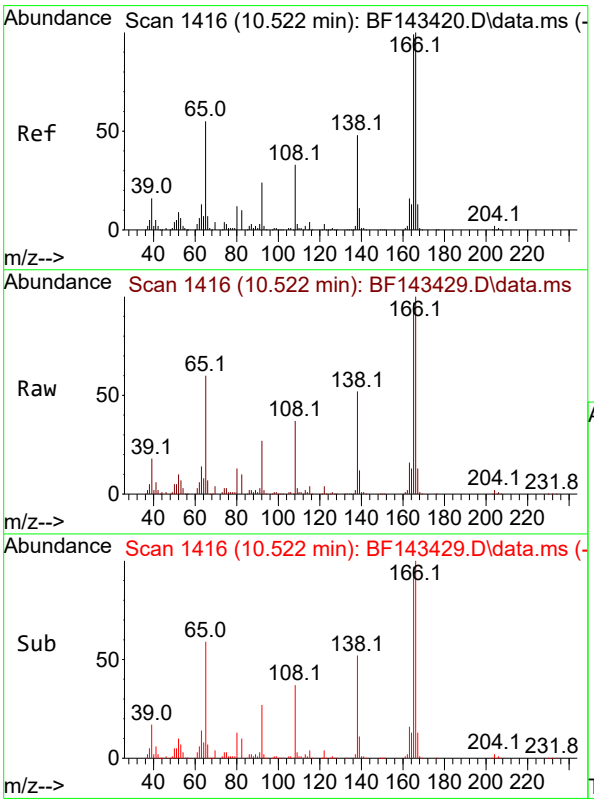
#61
4-Chlorophenyl-phenylether
Concen: 39.864 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 330221

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.5	39.7
141	60.7	49.0	73.4

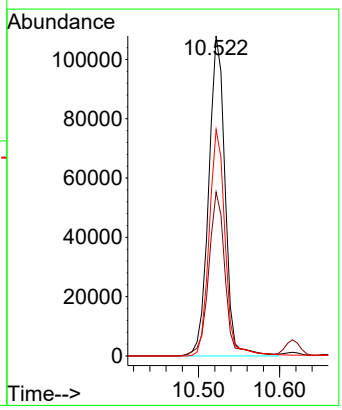


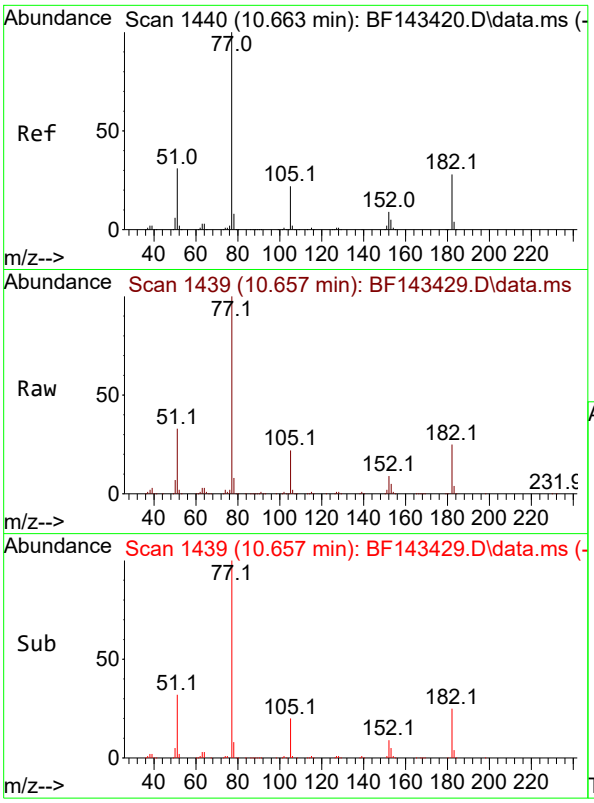


#62
4-Nitroaniline
Concen: 41.970 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:138 Resp: 150843

Ion	Ratio	Lower	Upper
138	100		
92	51.3	29.4	69.4
108	70.8	48.6	88.6



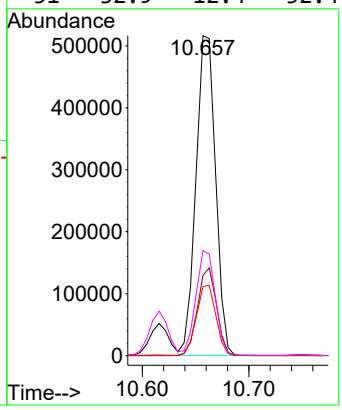


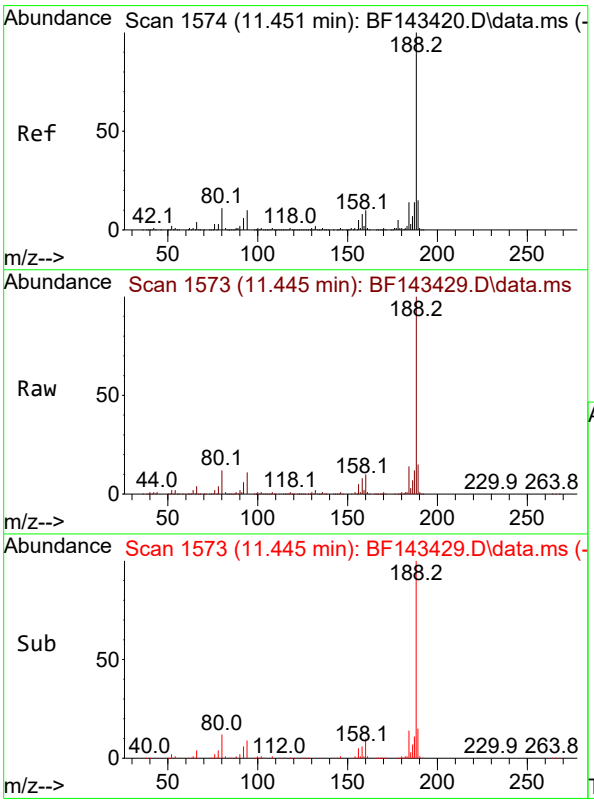
#63
Azobenzene
Concen: 40.549 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 662810

Ion	Ratio	Lower	Upper
77	100		
182	25.1	7.4	47.4
105	21.6	1.7	41.7
51	32.9	12.4	52.4

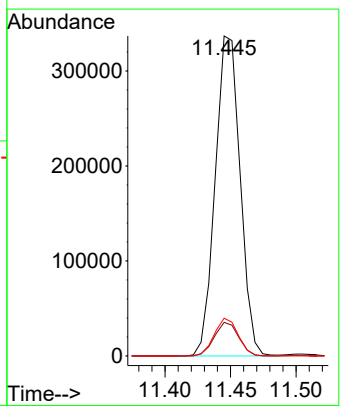


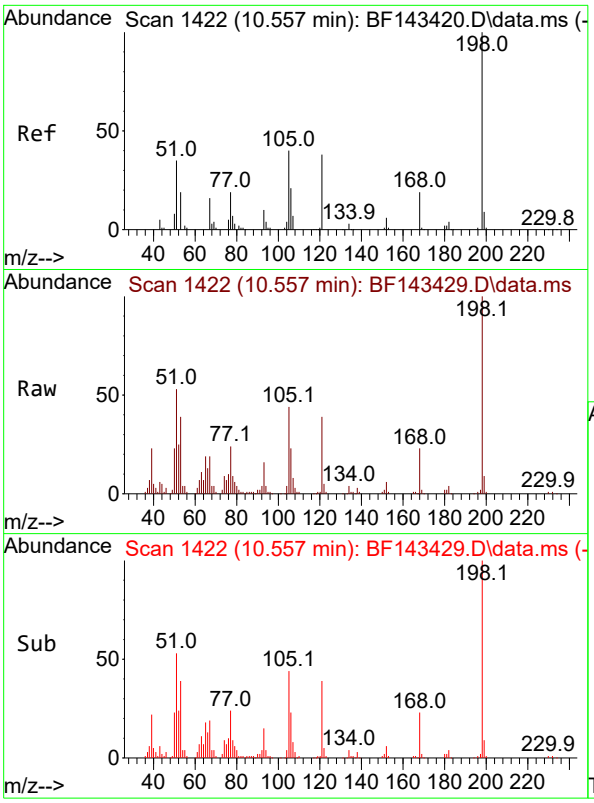


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:188 Resp: 444924

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.0	12.0
80	11.8	8.6	12.8



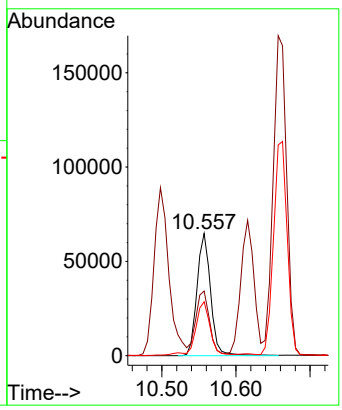


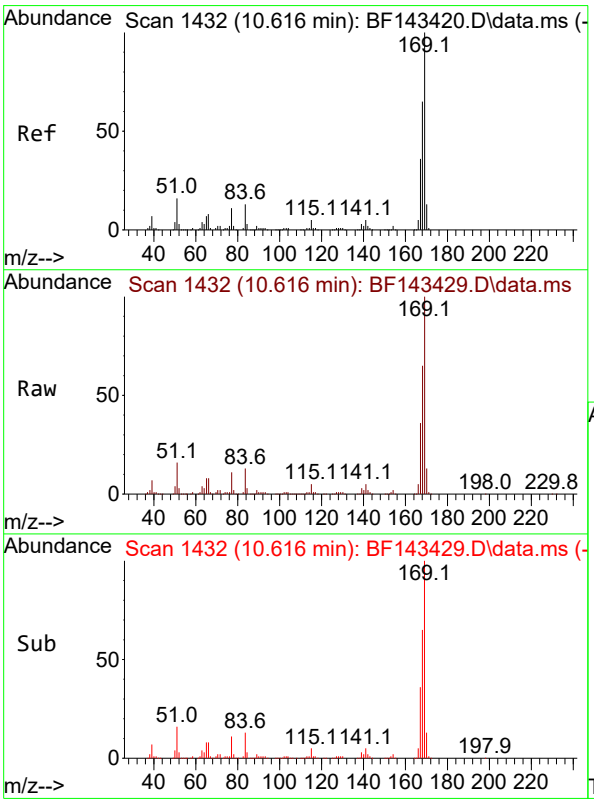
#65
4,6-Dinitro-2-methylphenol
Concen: 36.136 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 82955

Ion	Ratio	Lower	Upper
198	100		
51	52.9	31.2	71.2
105	44.1	21.7	61.7

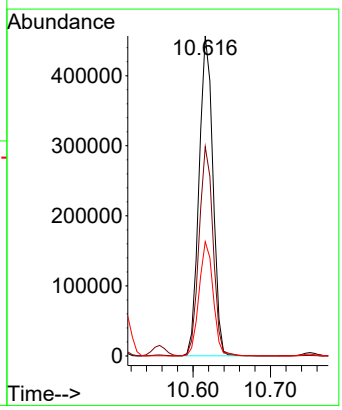


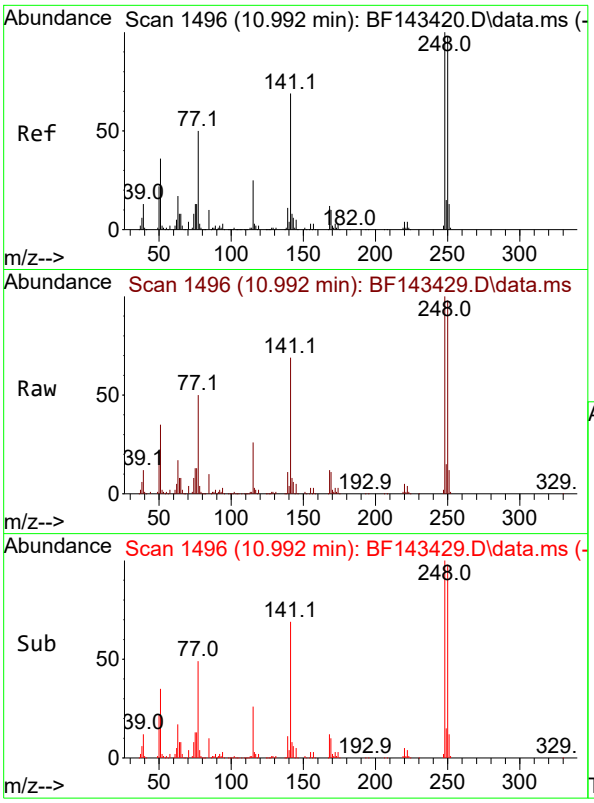


#66
n-Nitrosodiphenylamine
Concen: 39.195 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:169 Resp: 567036

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.5	78.7
167	35.7	28.6	42.8



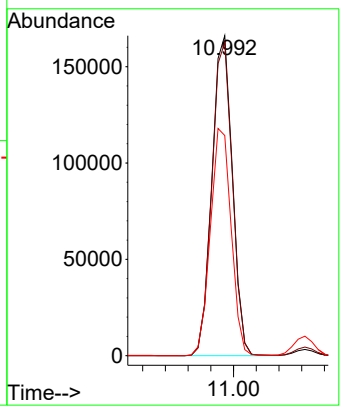


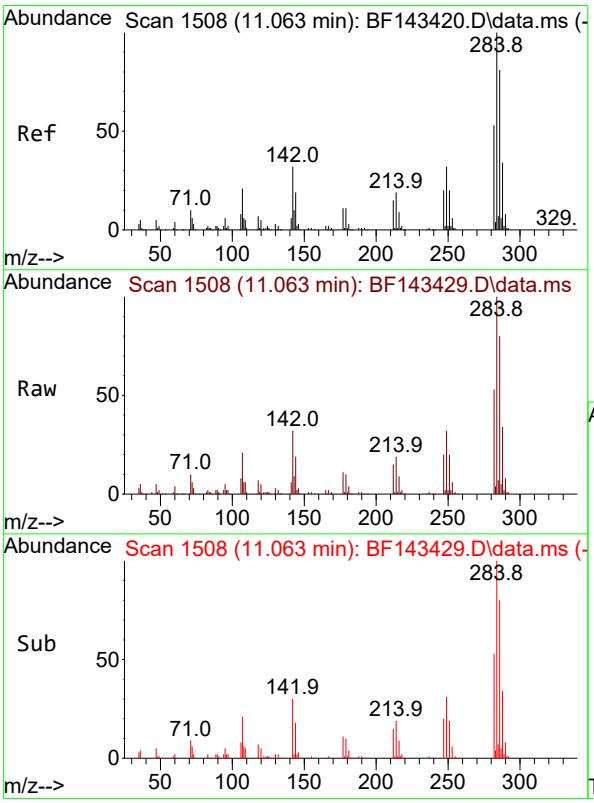
#67
4-Bromophenyl-phenylether
Concen: 39.604 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 208080

Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.6	118.0
141	68.8	54.9	82.3

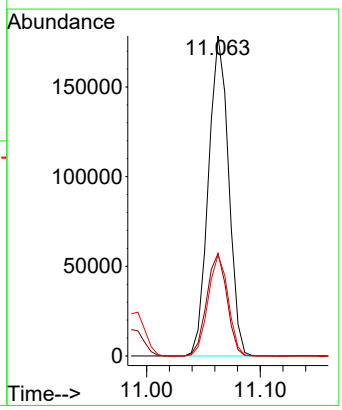


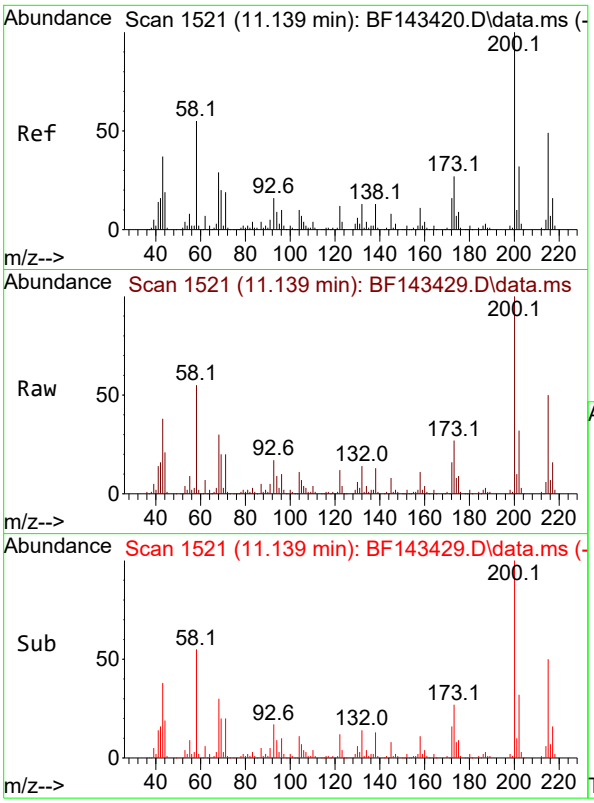


#68
Hexachlorobenzene
Concen: 39.348 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:284 Resp: 219775

Ion	Ratio	Lower	Upper
284	100		
142	32.0	25.4	38.2
249	31.6	25.4	38.0



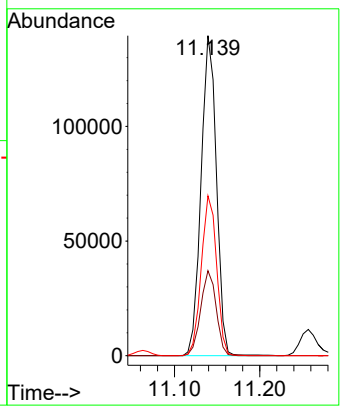


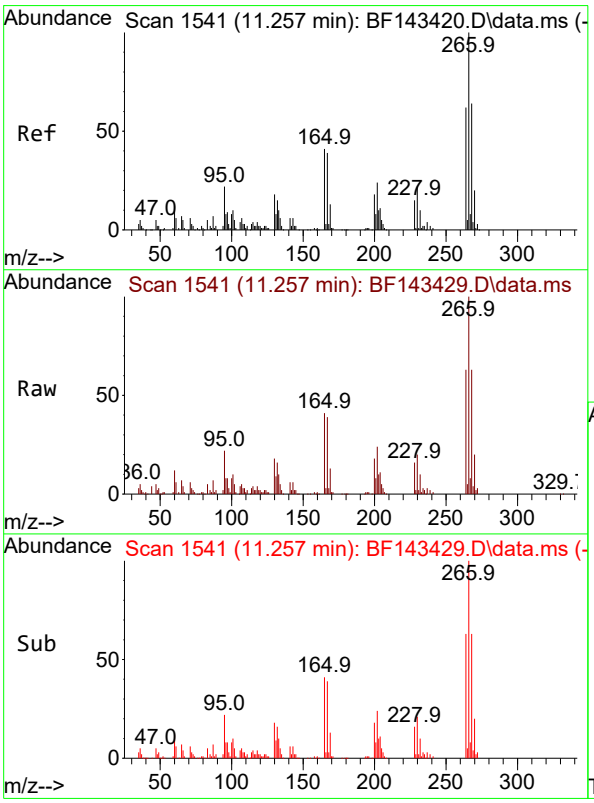
#69
Atrazine
Concen: 41.277 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 174661

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.6	46.6
215	50.0	29.5	69.5

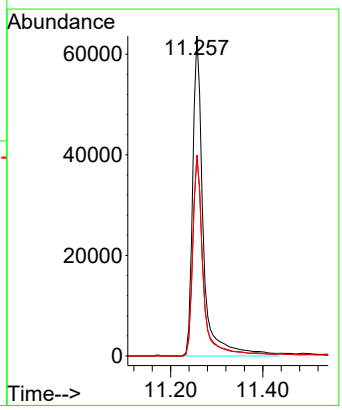


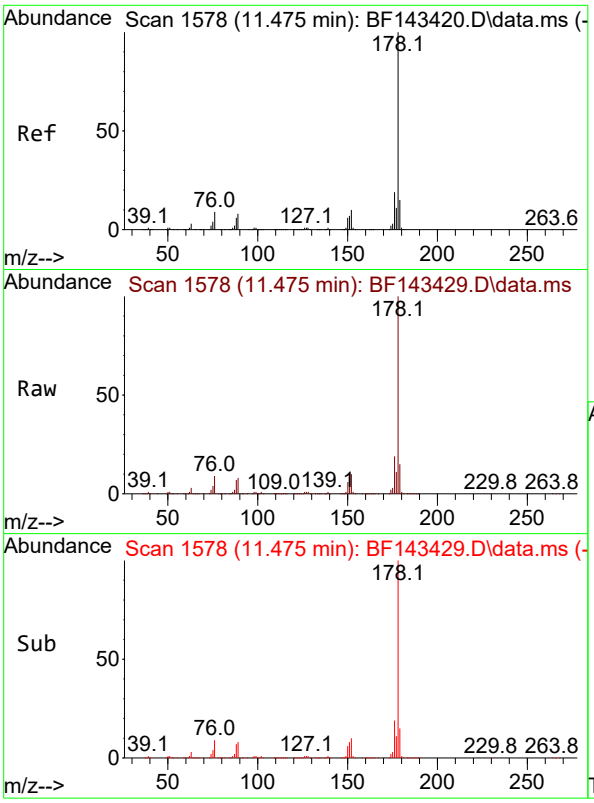


#70
Pentachlorophenol
Concen: 41.297 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:266 Resp: 101440

Ion	Ratio	Lower	Upper
266	100		
268	62.7	51.0	76.6
264	62.7	49.3	73.9



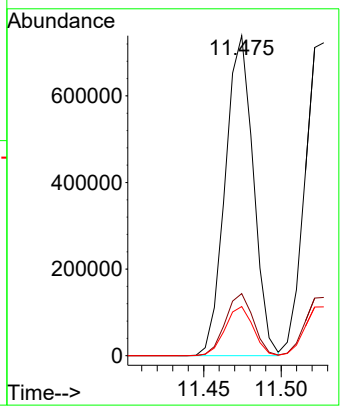


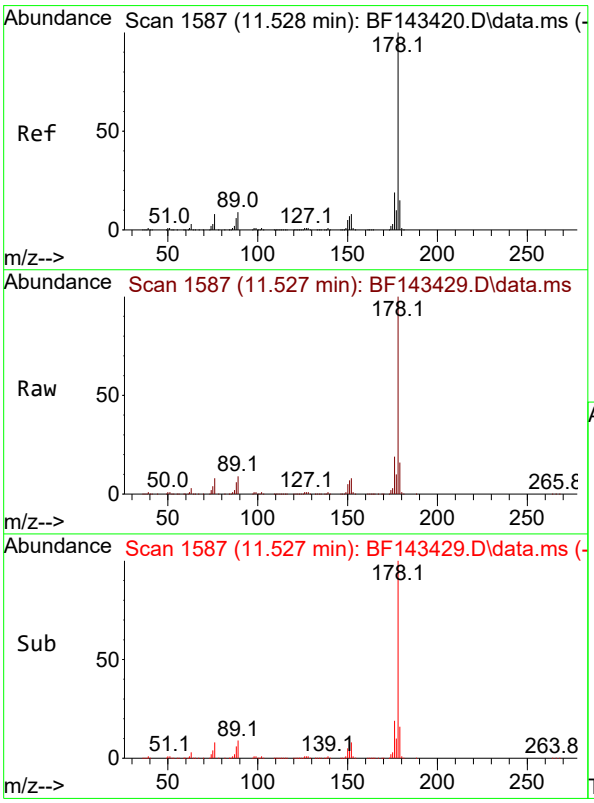
#71
Phenanthrene
Concen: 38.606 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 930142

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.4	12.3	18.5

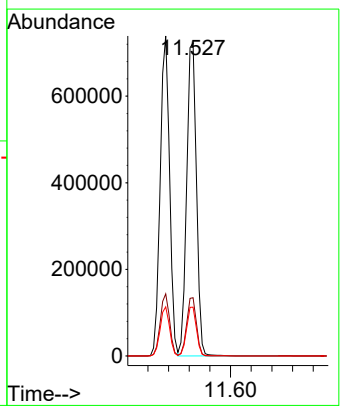


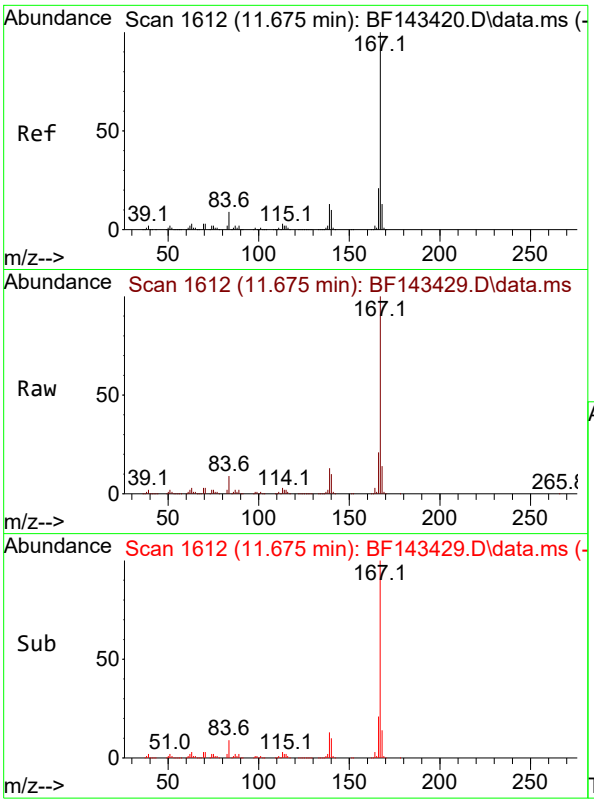


#72
Anthracene
Concen: 38.971 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:178 Resp: 948346

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.6	12.2	18.4



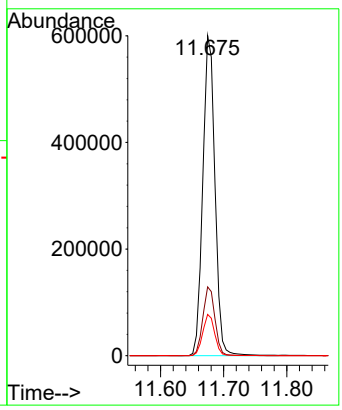


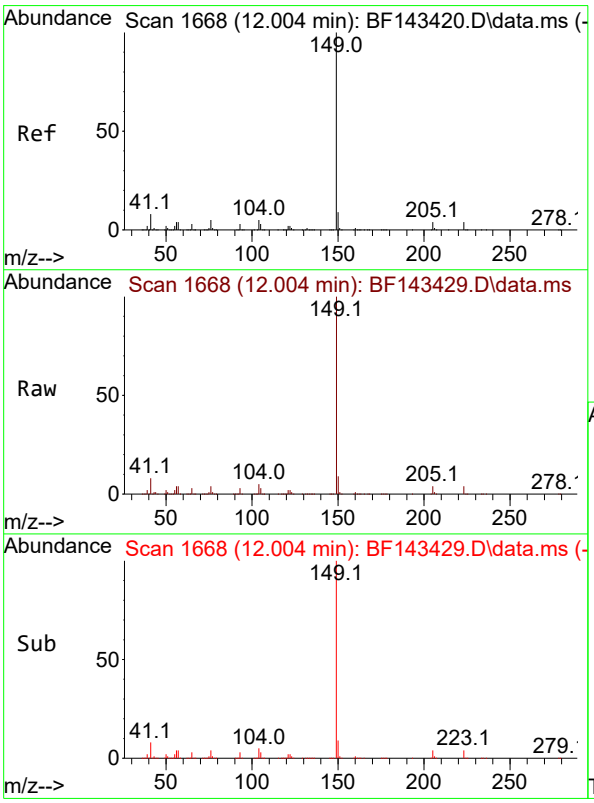
#73
Carbazole
Concen: 38.944 ng
RT: 11.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 801523

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.9	10.1	15.1

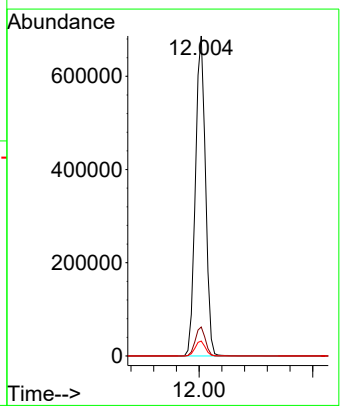


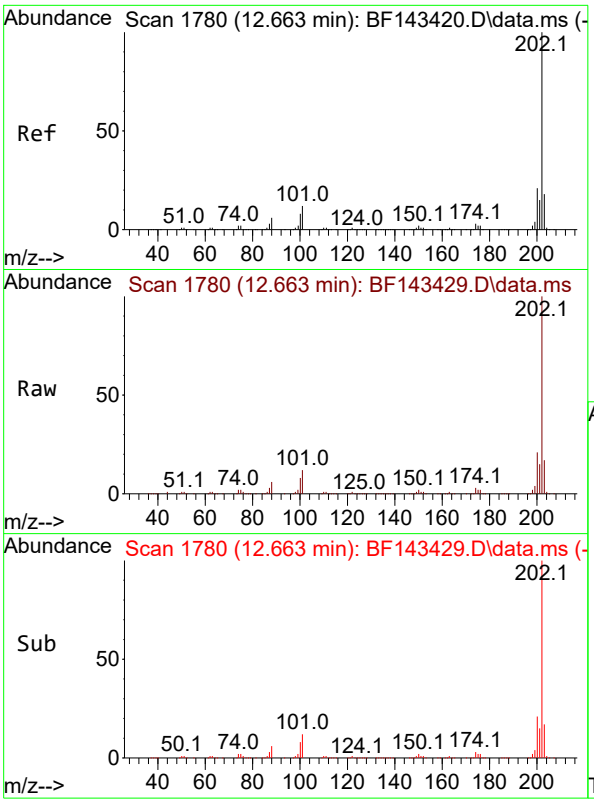


#74
Di-n-butylphthalate
Concen: 41.381 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:149 Resp: 848115

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.7	3.8	5.6



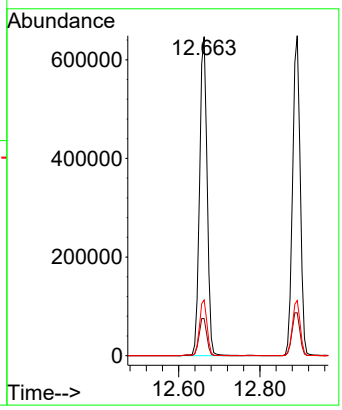


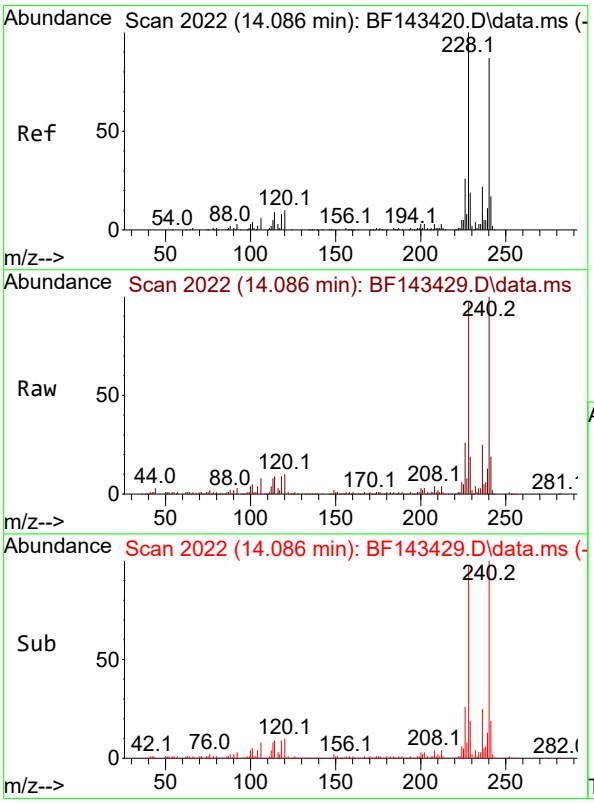
#75
Fluoranthene
Concen: 39.159 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 838319

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
203	17.5	0.0	37.5

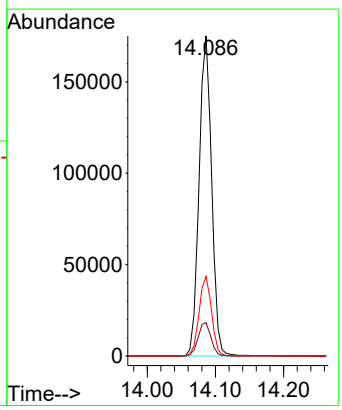


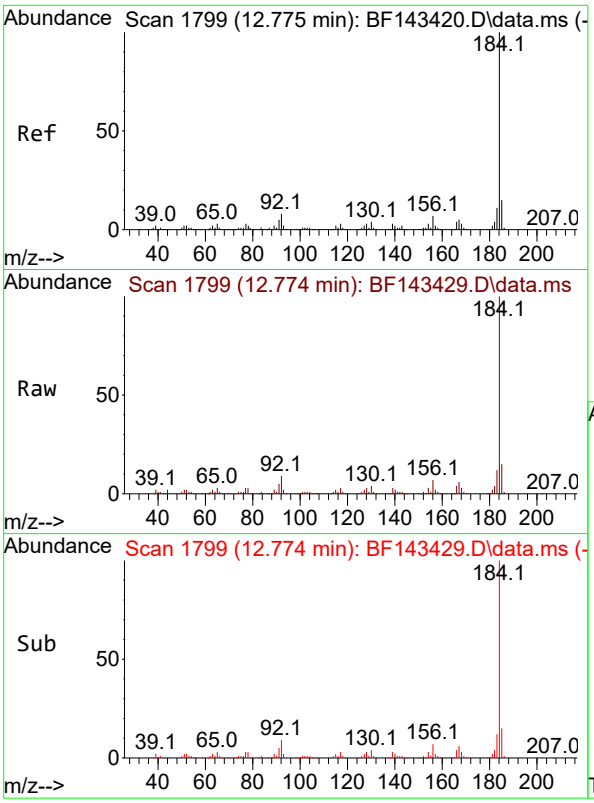


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:240 Resp: 223862

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.0	13.4
236	24.9	20.2	30.2



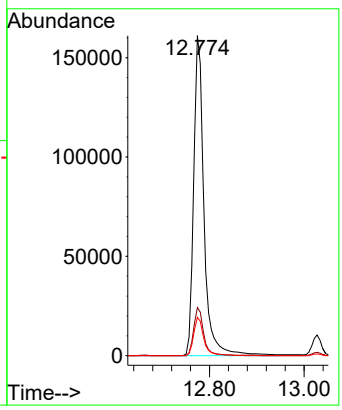


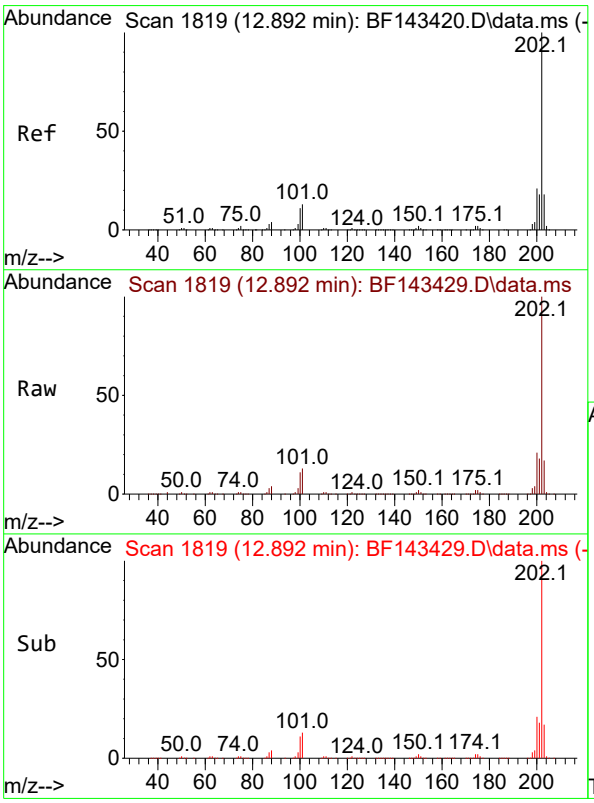
#77
Benzidine
Concen: 36.469 ng
RT: 12.774 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 243797

Ion	Ratio	Lower	Upper
184	100		
185	15.1	12.2	18.2
183	12.0	9.2	13.8

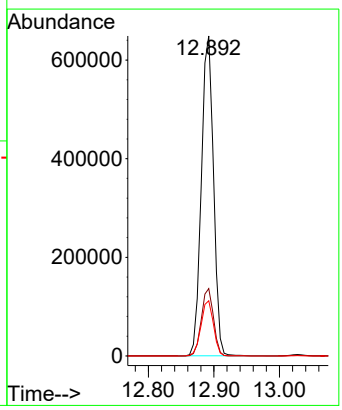


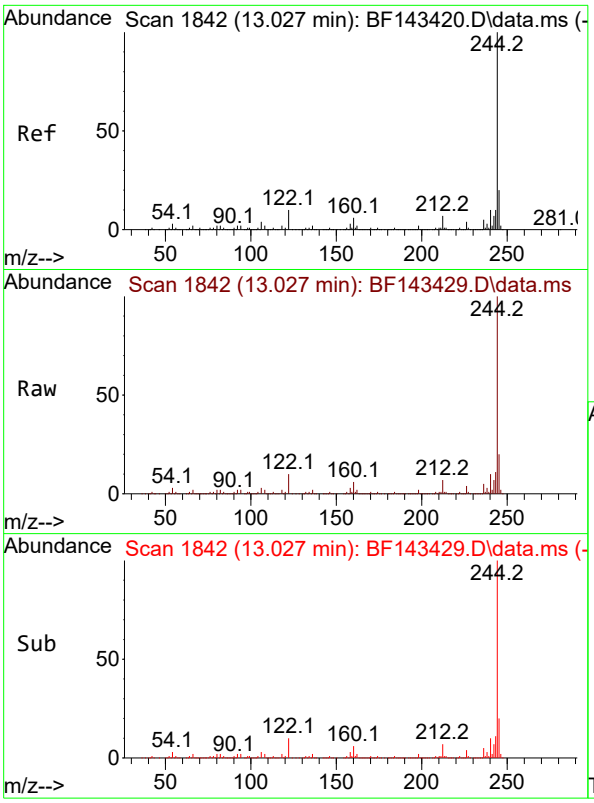


#78
Pyrene
Concen: 43.134 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:202 Resp: 839274

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.2	14.2	21.2



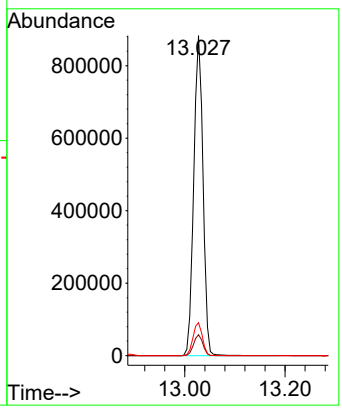


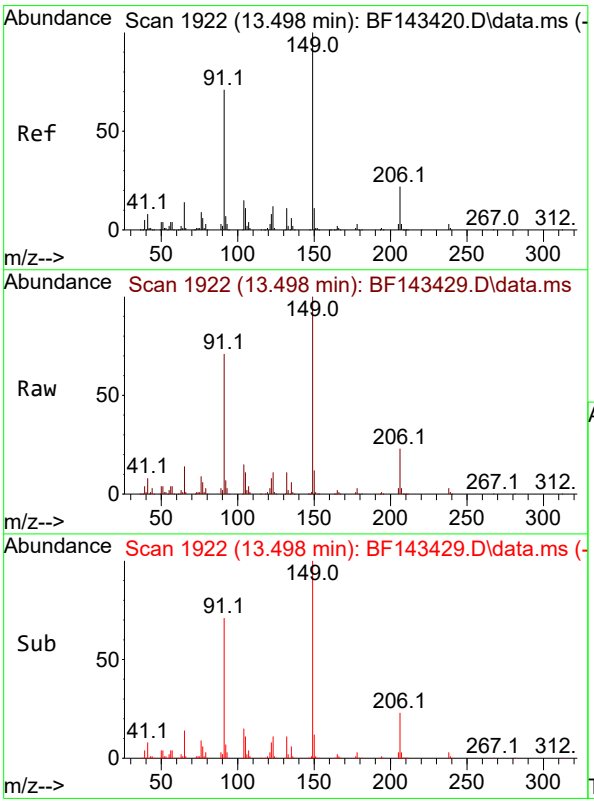
#79
Terphenyl-d14
Concen: 84.496 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1126019

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.3	8.3	12.5

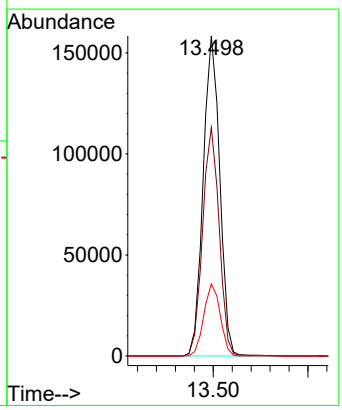


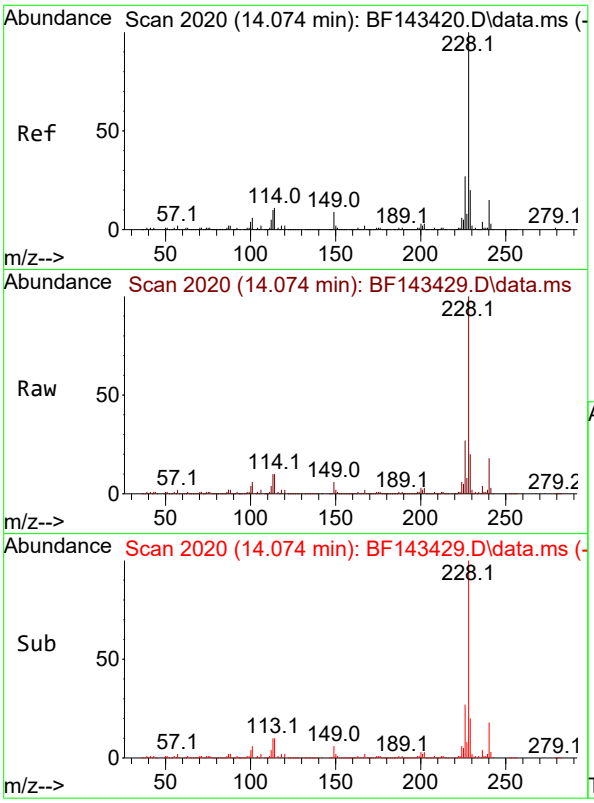


#80
Butylbenzylphthalate
Concen: 39.994 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:149 Resp: 192746

Ion	Ratio	Lower	Upper
149	100		
91	71.4	57.0	85.4
206	22.5	17.6	26.4



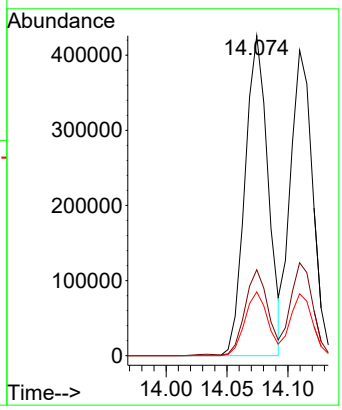


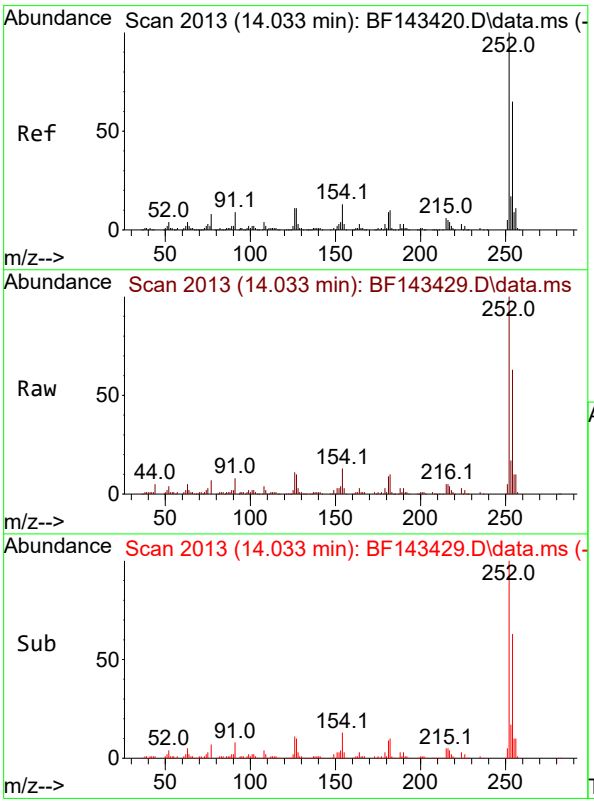
#81
Benzo(a)anthracene
Concen: 39.377 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 561206

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.5	32.3
229	19.9	15.7	23.5

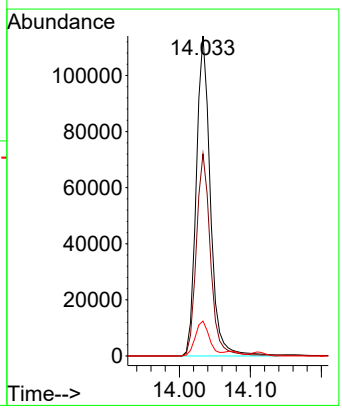


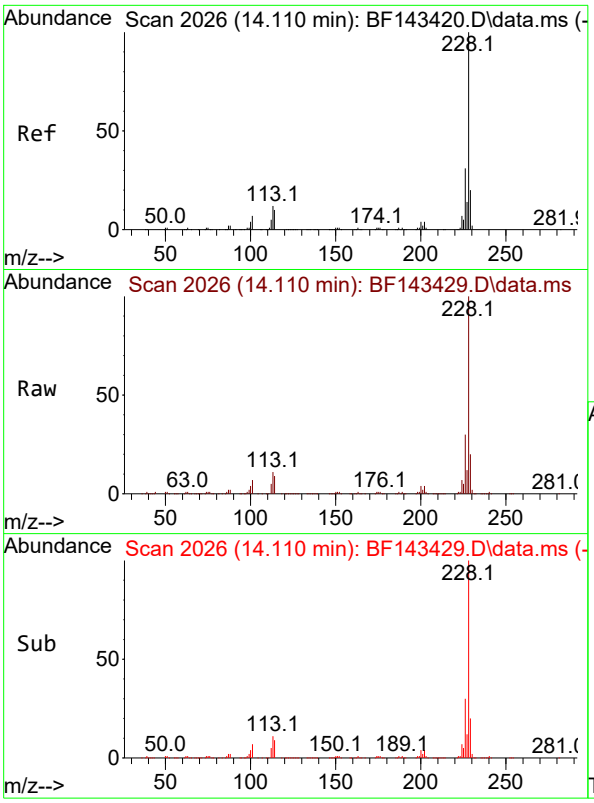


#82
3,3'-Dichlorobenzidine
Concen: 37.726 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:252 Resp: 157427

Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.6	77.4
126	10.9	8.8	13.2



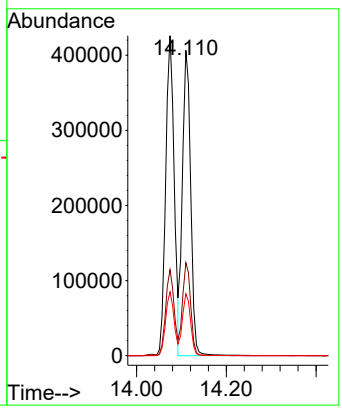


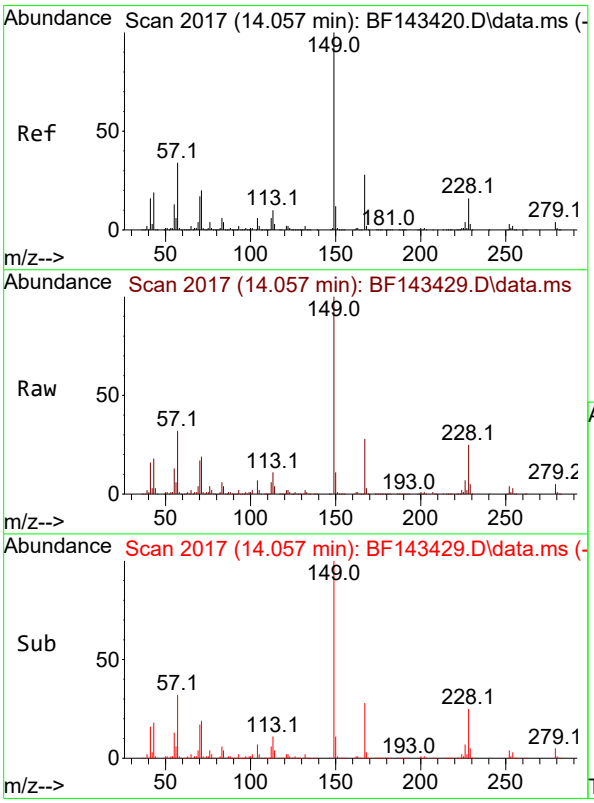
#83
Chrysene
Concen: 39.527 ng
RT: 14.110 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 520801

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	20.3	16.1	24.1

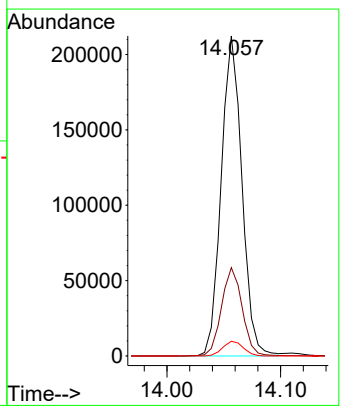


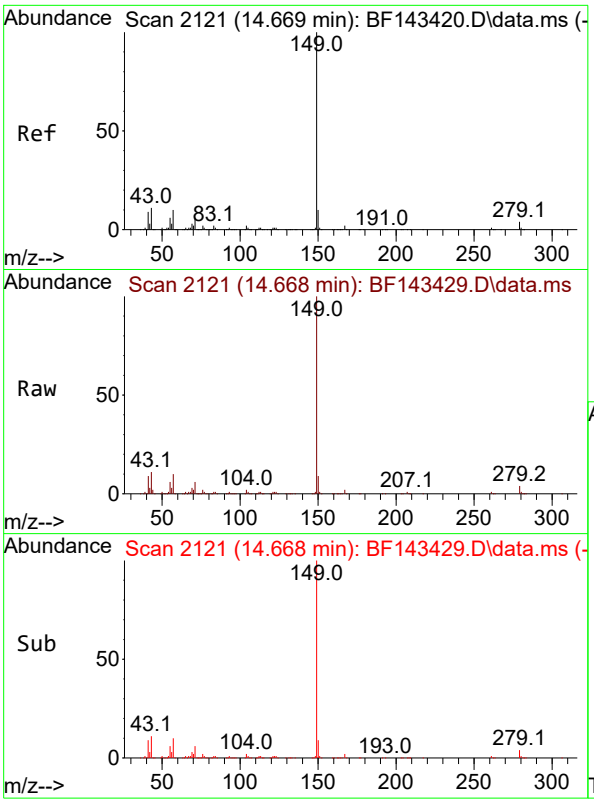


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.279 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:149 Resp: 268833

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.6	33.8
279	4.6	3.5	5.3



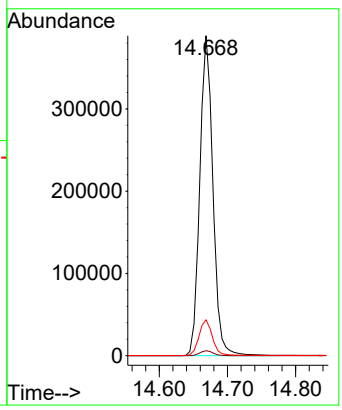


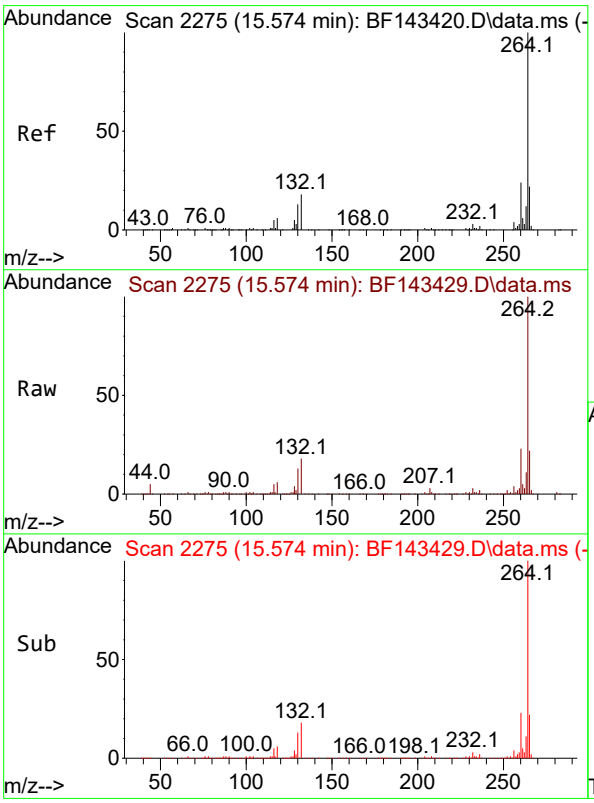
#85
Di-n-octyl phthalate
Concen: 37.527 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 520946

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.5	9.0	13.6

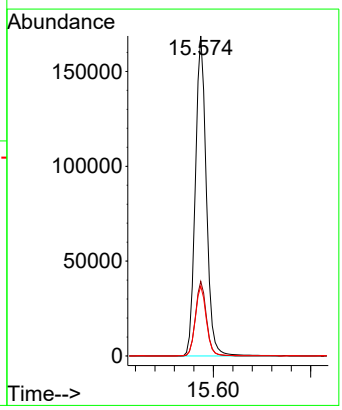


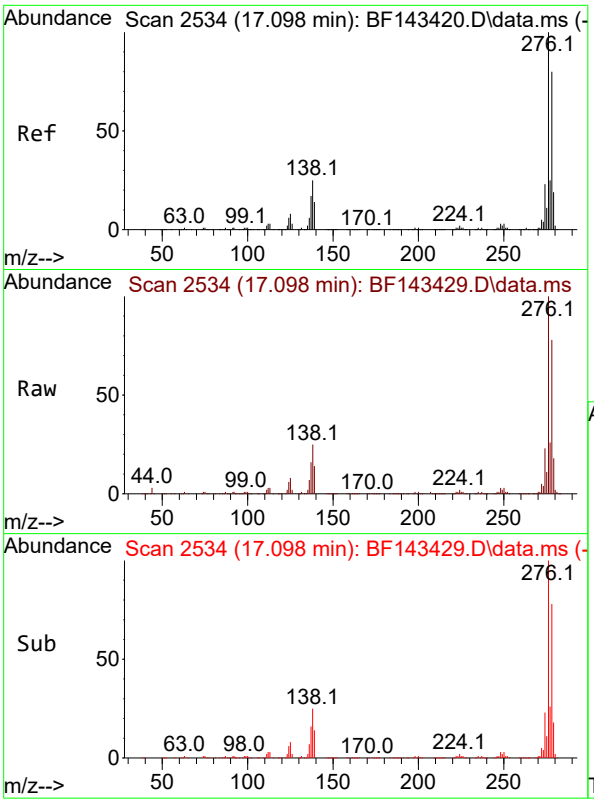


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:264 Resp: 265880

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.8	17.4	26.0



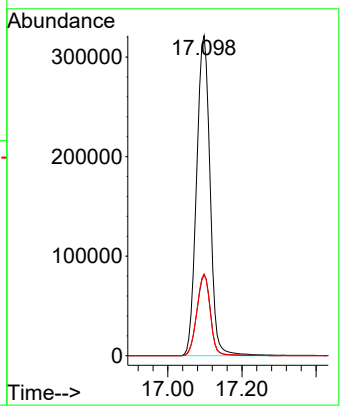


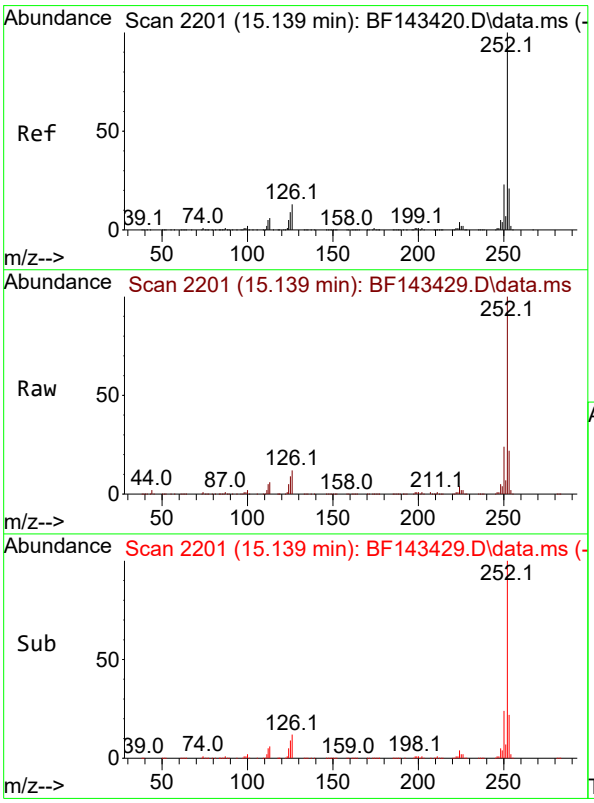
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.748 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 812459

Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.2	30.4
277	25.2	20.2	30.2

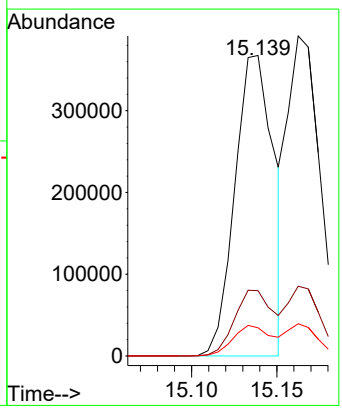


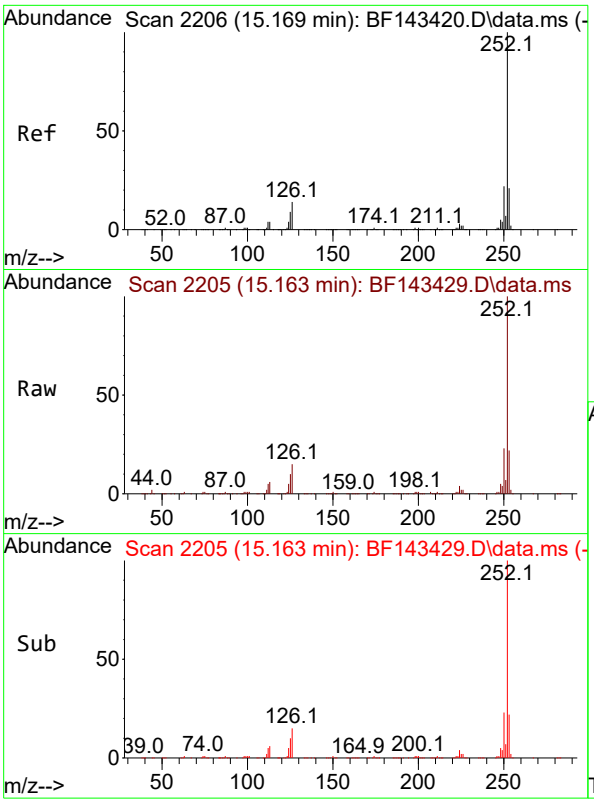


#88
Benzo(b)fluoranthene
Concen: 40.909 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:252 Resp: 582964

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.4	7.5	11.3



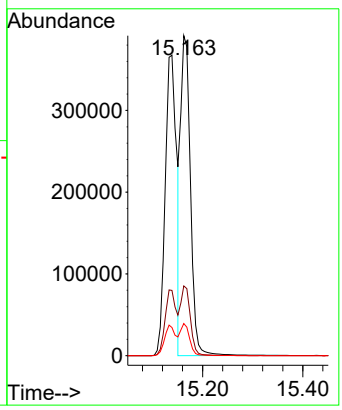


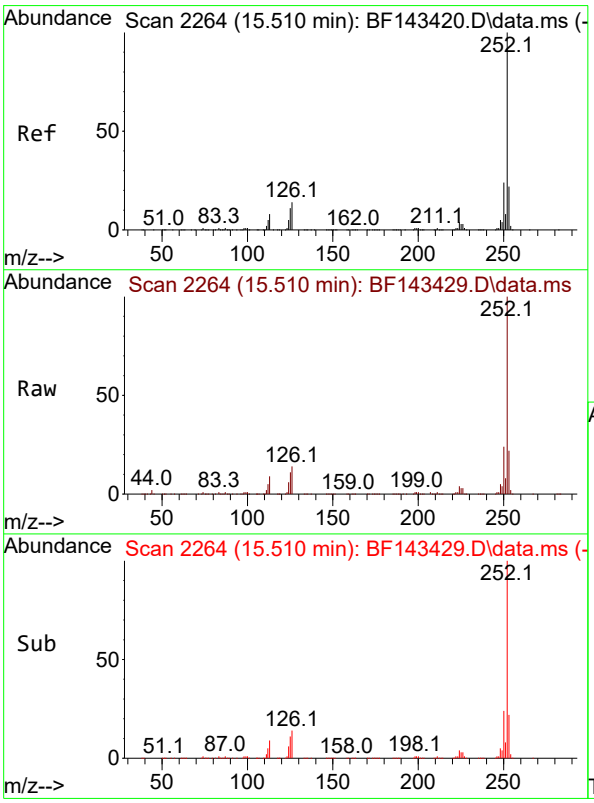
#89
Benzo(k)fluoranthene
Concen: 37.999 ng
RT: 15.163 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 534086

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	10.1	7.4	11.2

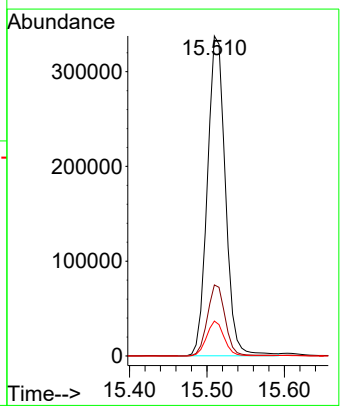


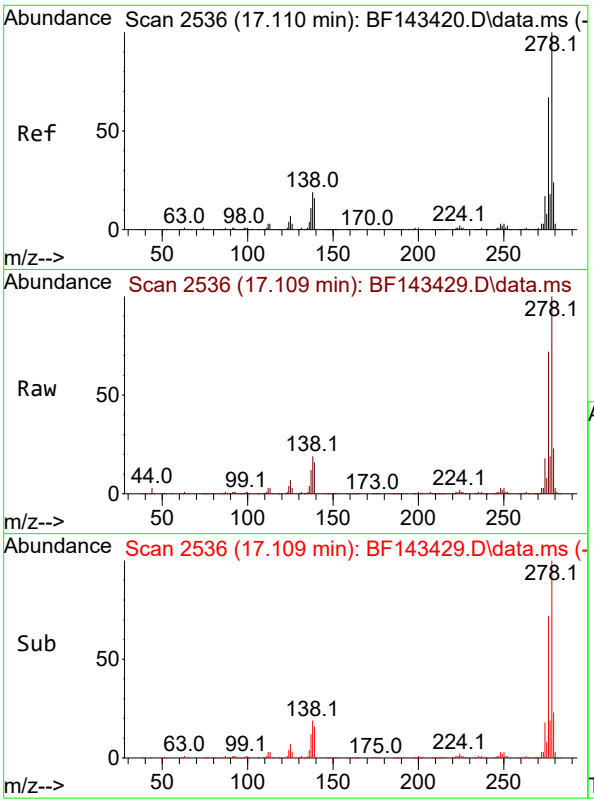


#90
Benzo(a)pyrene
Concen: 40.116 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:252 Resp: 544481

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	10.9	8.6	12.8



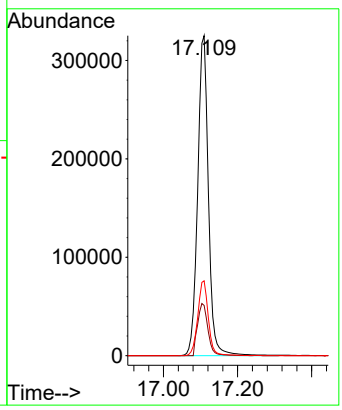


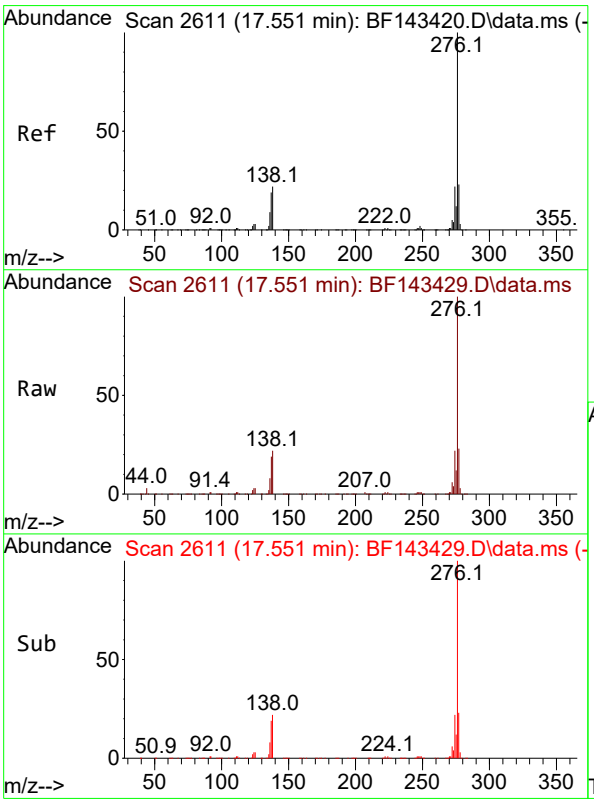
#91
Dibenzo(a,h)anthracene
Concen: 40.799 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 653257

Ion	Ratio	Lower	Upper
278	100		
139	15.7	12.9	19.3
279	23.4	19.0	28.4

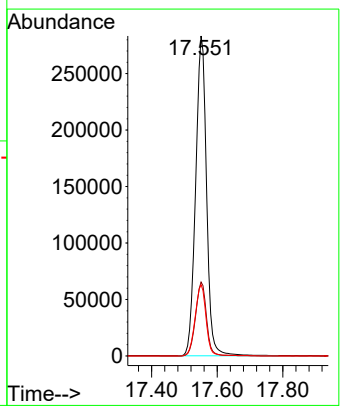




#92
Benzo(g,h,i)perylene
Concen: 41.024 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.000 min
Lab File: BF143429.D
Acq: 18 Aug 2025 09:06

Tgt Ion:276 Resp: 656182

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.7	28.1
138	22.3	17.5	26.3



Sample Results: **BF143429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143429.D
Acq On : 18 Aug 2025 09:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 12:15:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 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	100	0.00
2		1,4-Dioxane	0.554	0.558	-0.7	98	0.00
3		Pyridine	1.453	1.489	-2.5	100	0.00
4		n-Nitrosodimethylamine	0.675	0.680	-0.7	99	0.00
5	S	2-Fluorophenol	1.151	1.147	0.3	100	0.00
6		Aniline	1.968	1.971	-0.2	99	0.00
7	S	Phenol-d6	1.450	1.436	1.0	101	0.00
8		2-Chlorophenol	1.270	1.260	0.8	100	0.00
9		Benzaldehyde	0.771	0.668	13.4	91	0.00
10	C	Phenol	1.692	1.689	0.2	99	0.00
11		bis(2-Chloroethyl)ether	1.254	1.255	-0.1	101	0.00
12		1,3-Dichlorobenzene	1.423	1.391	2.2	99	0.00
13	C	1,4-Dichlorobenzene	1.421	1.421	0.0	101	0.00
14		1,2-Dichlorobenzene	1.357	1.339	1.3	101	0.00
15		Benzyl Alcohol	1.069	1.063	0.6	98	0.00
16		2,2'-oxybis(1-Chloropropane	2.144	2.128	0.7	101	0.00
17		2-Methylphenol	1.036	1.042	-0.6	101	0.00
18		Hexachloroethane	0.484	0.475	1.9	99	0.00
19	P	n-Nitroso-di-n-propylamine	0.898	0.877	2.3	101	0.00
20		3+4-Methylphenols	1.239	1.257	-1.5	101	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.430	0.414	3.7	101	0.00
23	S	Nitrobenzene-d5	0.337	0.332	1.5	100	0.00
24		Nitrobenzene	0.352	0.351	0.3	100	0.00
25		Isophorone	0.645	0.643	0.3	103	0.00
26	C	2-Nitrophenol	0.163	0.151	7.4	91	0.00
27		2,4-Dimethylphenol	0.276	0.268	2.9	101	0.00
28		bis(2-Chloroethoxy)methane	0.397	0.391	1.5	102	0.00
29	C	2,4-Dichlorophenol	0.281	0.283	-0.7	102	0.00
30		1,2,4-Trichlorobenzene	0.288	0.283	1.7	102	0.00
31		Naphthalene	0.950	0.937	1.4	101	0.00
32		Benzoic acid	0.144	0.118	18.1	84	0.00
33		4-Chloroaniline	0.343	0.341	0.6	101	0.00
34	C	Hexachlorobutadiene	0.184	0.183	0.5	102	0.00
35		Caprolactam	0.081	0.083	-2.5	105	0.00
36	C	4-Chloro-3-methylphenol	0.290	0.288	0.7	102	0.00
37		2-Methylnaphthalene	0.640	0.625	2.3	102	0.00
38		1-Methylnaphthalene	0.613	0.598	2.4	102	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	0.558	0.548	1.8	102	0.00
41	P	Hexachlorocyclopentadiene	0.167	0.174	-4.2	99	0.00
42	S	2,4,6-Tribromophenol	0.178	0.181	-1.7	104	0.00
43	C	2,4,6-Trichlorophenol	0.348	0.342	1.7	99	0.00
44		2,4,5-Trichlorophenol	0.373	0.377	-1.1	102	0.00
45	S	2-Fluorobiphenyl	1.189	1.141	4.0	103	0.00
46		1,1'-Biphenyl	1.405	1.376	2.1	102	0.00
47		2-Chloronaphthalene	1.109	1.091	1.6	103	0.00

Sample Results: **BF143429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143429.D
Acq On : 18 Aug 2025 09:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 12:15:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 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	0.330	0.328	0.6	100	0.00
49		Acenaphthylene	1.602	1.588	0.9	103	0.00
50		Dimethylphthalate	1.247	1.252	-0.4	106	0.00
51		2,6-Dinitrotoluene	0.246	0.252	-2.4	102	0.00
52	C	Acenaphthene	1.077	1.053	2.2	103	0.00
53		3-Nitroaniline	0.274	0.285	-4.0	103	0.00
54	P	2,4-Dinitrophenol	0.097	0.083	14.4	89	0.00
55		Dibenzofuran	1.554	1.532	1.4	103	0.00
56	P	4-Nitrophenol	0.172	0.176	-2.3	100	0.00
57		2,4-Dinitrotoluene	0.328	0.345	-5.2	106	0.00
58		Fluorene	1.194	1.165	2.4	105	0.00
59		2,3,4,6-Tetrachlorophenol	0.282	0.284	-0.7	97	0.00
60		Diethylphthalate	1.152	1.161	-0.8	107	0.00
61		4-Chlorophenyl-phenylether	0.590	0.588	0.3	105	0.00
62		4-Nitroaniline	0.256	0.269	-5.1	105	0.00
63		Azobenzene	1.165	1.181	-1.4	106	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00
65		4,6-Dinitro-2-methylphenol	0.103	0.093	9.7	92	0.00
66	c	n-Nitrosodiphenylamine	0.650	0.637	2.0	105	0.00
67		4-Bromophenyl-phenylether	0.236	0.234	0.8	105	0.00
68		Hexachlorobenzene	0.251	0.247	1.6	108	0.00
69		Atrazine	0.190	0.196	-3.2	110	0.00
70	C	Pentachlorophenol	0.110	0.114	-3.6	106	0.00
71		Phenanthrene	1.083	1.045	3.5	105	0.00
72		Anthracene	1.094	1.066	2.6	106	0.00
73		Carbazole	0.925	0.901	2.6	107	0.00
74		Di-n-butylphthalate	0.921	0.953	-3.5	114	0.00
75	C	Fluoranthene	0.962	0.942	2.1	112	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	103	0.00
77		Benzidine	0.597	0.545	8.7	99	0.00
78		Pyrene	1.738	1.875	-7.9	114	0.00
79	S	Terphenyl-d14	1.191	1.257	-5.5	113	0.00
80		Butylbenzylphthalate	0.431	0.431	0.0	97	0.00
81		Benzo(a)anthracene	1.273	1.253	1.6	103	0.00
82		3,3'-Dichlorobenzidine	0.373	0.352	5.6	92	0.00
83		Chrysene	1.177	1.163	1.2	100	0.00
84		Bis(2-ethylhexyl)phthalate	0.611	0.600	1.8	93	0.00
85	c	Di-n-octyl phthalate	1.240	1.164	6.1	90	0.00
86	I	Perylene-d12	1.000	1.000	0.0	94	0.00
87		Indeno(1,2,3-cd)pyrene	1.500	1.528	-1.9	96	0.00
88		Benzo(b)fluoranthene	1.072	1.096	-2.2	95	0.00
89		Benzo(k)fluoranthene	1.057	1.004	5.0	90	0.00
90	C	Benzo(a)pyrene	1.021	1.024	-0.3	92	0.00
91		Dibenzo(a,h)anthracene	1.204	1.228	-2.0	96	0.00
92		Benzo(g,h,i)perylene	1.203	1.234	-2.6	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143429.D
Acq On : 18 Aug 2025 09:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 12:15:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 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: **BF143429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143429.D
Acq On : 18 Aug 2025 09:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 12:15:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 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	100	0.00
2		1,4-Dioxane	40.000	40.318	-0.8	98	0.00
3		Pyridine	40.000	41.002	-2.5	100	0.00
4		n-Nitrosodimethylamine	40.000	40.291	-0.7	99	0.00
5	S	2-Fluorophenol	80.000	79.757	0.3	100	0.00
6		Aniline	40.000	40.046	-0.1	99	0.00
7	S	Phenol-d6	80.000	79.211	1.0	101	0.00
8		2-Chlorophenol	40.000	39.684	0.8	100	0.00
9		Benzaldehyde	40.000	34.649	13.4	91	0.00
10	C	Phenol	40.000	39.926	0.2	99	0.00
11		bis(2-Chloroethyl)ether	40.000	40.041	-0.1	101	0.00
12		1,3-Dichlorobenzene	40.000	39.111	2.2	99	0.00
13	C	1,4-Dichlorobenzene	40.000	40.024	-0.1	101	0.00
14		1,2-Dichlorobenzene	40.000	39.471	1.3	101	0.00
15		Benzyl Alcohol	40.000	39.755	0.6	98	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.697	0.8	101	0.00
17		2-Methylphenol	40.000	40.203	-0.5	101	0.00
18		Hexachloroethane	40.000	39.332	1.7	99	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.095	2.3	101	0.00
20		3+4-Methylphenols	40.000	40.587	-1.5	101	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22		Acetophenone	40.000	38.491	3.8	101	0.00
23	S	Nitrobenzene-d5	80.000	78.742	1.6	100	0.00
24		Nitrobenzene	40.000	39.898	0.3	100	0.00
25		Isophorone	40.000	39.881	0.3	103	0.00
26	C	2-Nitrophenol	40.000	37.029	7.4	91	0.00
27		2,4-Dimethylphenol	40.000	38.859	2.9	101	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.401	1.5	102	0.00
29	C	2,4-Dichlorophenol	40.000	40.183	-0.5	102	0.00
30		1,2,4-Trichlorobenzene	40.000	39.312	1.7	102	0.00
31		Naphthalene	40.000	39.484	1.3	101	0.00
32		Benzoic acid	40.000	32.963	17.6	84	0.00
33		4-Chloroaniline	40.000	39.758	0.6	101	0.00
34	C	Hexachlorobutadiene	40.000	39.883	0.3	102	0.00
35		Caprolactam	40.000	41.013	-2.5	105	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.801	0.5	102	0.00
37		2-Methylnaphthalene	40.000	39.050	2.4	102	0.00
38		1-Methylnaphthalene	40.000	39.007	2.5	102	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.273	1.8	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.941	5.1	99	0.00
42	S	2,4,6-Tribromophenol	80.000	81.149	-1.4	104	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.295	1.8	99	0.00
44		2,4,5-Trichlorophenol	40.000	40.430	-1.1	102	0.00
45	S	2-Fluorobiphenyl	80.000	76.776	4.0	103	0.00
46		1,1'-Biphenyl	40.000	39.170	2.1	102	0.00
47		2-Chloronaphthalene	40.000	39.356	1.6	103	0.00

Sample Results: **BF143429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143429.D
Acq On : 18 Aug 2025 09:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 12:15:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 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	39.687	0.8	100	0.00
49		Acenaphthylene	40.000	39.654	0.9	103	0.00
50		Dimethylphthalate	40.000	40.165	-0.4	106	0.00
51		2,6-Dinitrotoluene	40.000	40.951	-2.4	102	0.00
52	C	Acenaphthene	40.000	39.115	2.2	103	0.00
53		3-Nitroaniline	40.000	41.565	-3.9	103	0.00
54	P	2,4-Dinitrophenol	40.000	32.877	17.8	89	0.00
55		Dibenzofuran	40.000	39.442	1.4	103	0.00
56	P	4-Nitrophenol	40.000	40.781	-2.0	100	0.00
57		2,4-Dinitrotoluene	40.000	42.149	-5.4	106	0.00
58		Fluorene	40.000	39.029	2.4	105	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.256	-0.6	97	0.00
60		Diethylphthalate	40.000	40.299	-0.7	107	0.00
61		4-Chlorophenyl-phenylether	40.000	39.864	0.3	105	0.00
62		4-Nitroaniline	40.000	41.970	-4.9	105	0.00
63		Azobenzene	40.000	40.549	-1.4	106	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	106	0.00
65		4,6-Dinitro-2-methylphenol	40.000	36.136	9.7	92	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.195	2.0	105	0.00
67		4-Bromophenyl-phenylether	40.000	39.604	1.0	105	0.00
68		Hexachlorobenzene	40.000	39.348	1.6	108	0.00
69		Atrazine	40.000	41.277	-3.2	110	0.00
70	C	Pentachlorophenol	40.000	41.297	-3.2	106	0.00
71		Phenanthrene	40.000	38.606	3.5	105	0.00
72		Anthracene	40.000	38.971	2.6	106	0.00
73		Carbazole	40.000	38.944	2.6	107	0.00
74		Di-n-butylphthalate	40.000	41.381	-3.5	114	0.00
75	C	Fluoranthene	40.000	39.159	2.1	112	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	103	0.00
77		Benzidine	40.000	36.469	8.8	99	0.00
78		Pyrene	40.000	43.134	-7.8	114	0.00
79	S	Terphenyl-d14	80.000	84.496	-5.6	113	0.00
80		Butylbenzylphthalate	40.000	39.994	0.0	97	0.00
81		Benzo(a)anthracene	40.000	39.377	1.6	103	0.00
82		3,3'-Dichlorobenzidine	40.000	37.726	5.7	92	0.00
83		Chrysene	40.000	39.527	1.2	100	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.279	1.8	93	0.00
85	c	Di-n-octyl phthalate	40.000	37.527	6.2	90	0.00
86	I	Perylene-d12	20.000	20.000	0.0	94	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.748	-1.9	96	0.00
88		Benzo(b)fluoranthene	40.000	40.909	-2.3	95	0.00
89		Benzo(k)fluoranthene	40.000	37.999	5.0	90	0.00
90	C	Benzo(a)pyrene	40.000	40.116	-0.3	92	0.00
91		Dibenzo(a,h)anthracene	40.000	40.799	-2.0	96	0.00
92		Benzo(g,h,i)perylene	40.000	41.024	-2.6	96	0.00

Sample Results: **BF143429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143429.D
Acq On : 18 Aug 2025 09:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 12:15:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 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: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_P Calibration Date/Time: 08/15/2025 23:49

Lab File ID: BP025438.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.291	1.222		-5.3	
2-Fluorophenol	1.204	1.185		-1.6	
Phenol-d6	1.544	1.563		1.2	
1,4-Dichlorobenzene	1.532	1.524		-0.5	20.0
2-Methylphenol	1.125	1.144		1.7	
3+4-Methylphenols	1.560	1.553		-0.4	
Nitrobenzene-d5	0.395	0.402		1.8	
Hexachloroethane	0.563	0.561		-0.4	
Nitrobenzene	0.353	0.362		2.5	
Hexachlorobutadiene	0.211	0.212		0.5	20.0
2,4,6-Trichlorophenol	0.390	0.405		3.8	20.0
2-Fluorobiphenyl	1.463	1.439		-1.6	
2,4,5-Trichlorophenol	0.427	0.442		3.5	
2,4-Dinitrotoluene	0.440	0.456		3.6	
2,4,6-Tribromophenol	0.269	0.270		0.4	
Hexachlorobenzene	0.255	0.251		-1.6	
Pentachlorophenol	0.161	0.162		0.6	20.0
Terphenyl-d14	1.093	1.067		-2.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025438.D
Acq On : 15 Aug 2025 23:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 01:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay
08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	147957	20.000	ng	-0.01
21) Naphthalene-d8	10.555	136	615943	20.000	ng	0.00
39) Acenaphthene-d10	14.390	164	396549	20.000	ng	-0.02
64) Phenanthrene-d10	17.184	188	781208	20.000	ng	-0.02
76) Chrysene-d12	21.625	240	787537	20.000	ng	-0.02
86) Perylene-d12	24.977	264	892738	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	701484	78.736	ng	0.00
7) Phenol-d6	6.961	99	924798	80.963	ng	0.00
23) Nitrobenzene-d5	8.925	82	989695	81.281	ng	-0.01
42) 2,4,6-Tribromophenol	15.895	330	428792	80.334	ng	-0.02
45) 2-Fluorobiphenyl	13.013	172	2283136	78.687	ng	0.00
79) Terphenyl-d14	19.919	244	3362049	78.106	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	133147	38.154	ng	99
3) Pyridine	3.725	79	361712	37.869	ng	97
4) n-Nitrosodimethylamine	3.631	42	165973	42.148	ng	91
6) Aniline	7.119	93	615703	40.007	ng	98
8) 2-Chlorophenol	7.361	128	406214	40.404	ng	100
9) Benzaldehyde	6.937	77	331840	41.466	ng	97
10) Phenol	6.990	94	482193	40.230	ng	96
11) bis(2-Chloroethyl)ether	7.214	93	367454	39.334	ng	99
12) 1,3-Dichlorobenzene	7.678	146	443955	40.047	ng	98
13) 1,4-Dichlorobenzene	7.819	146	450942	39.797	ng	100
14) 1,2-Dichlorobenzene	8.137	146	431950	39.381	ng	98
15) Benzyl Alcohol	8.019	79	363291	40.028	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.302	45	504756	40.333	ng	98
17) 2-Methylphenol	8.219	107	338516	40.665	ng	99
18) Hexachloroethane	8.861	117	166149	39.881	ng	95
19) n-Nitroso-di-n-propyla...	8.578	70	294002	38.858	ng	98
20) 3+4-Methylphenols	8.543	107	459626	39.833	ng	98
22) Acetophenone	8.596	105	612932	39.681	ng	98
24) Nitrobenzene	8.966	77	446244	41.007	ng	99
25) Isophorone	9.490	82	841455	39.049	ng	99
26) 2-Nitrophenol	9.672	139	224405	40.182	ng	99
27) 2,4-Dimethylphenol	9.731	122	384886	40.075	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	506470	38.882	ng	98
29) 2,4-Dichlorophenol	10.202	162	388805	40.752	ng	98
30) 1,2,4-Trichlorobenzene	10.419	180	416383	39.812	ng	99
31) Naphthalene	10.607	128	1276353	39.869	ng	100
32) Benzoic acid	9.866	122	280949	39.623	ng	98
33) 4-Chloroaniline	10.702	127	560331	39.624	ng	99
34) Hexachlorobutadiene	10.890	225	260571	40.005	ng	98
35) Caprolactam	11.484	113	132223	37.795	ng	96
36) 4-Chloro-3-methylphenol	11.825	107	443855	40.543	ng	100
37) 2-Methylnaphthalene	12.207	142	812901	39.018	ng	98
38) 1-Methylnaphthalene	12.431	142	860019	38.817	ng	99
40) 1,2,4,5-Tetrachloroben...	12.578	216	467567	40.826	ng	99
41) Hexachlorocyclopentadiene	12.560	237	222993	32.234	ng	98
43) 2,4,6-Trichlorophenol	12.813	196	321070	41.525	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025438.D
Acq On : 15 Aug 2025 23:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 01:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay
08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.890	196	350780	41.395	ng	98
46) 1,1'-Biphenyl	13.219	154	1156762	40.166	ng	99
47) 2-Chloronaphthalene	13.260	162	905746	40.399	ng	99
48) 2-Nitroaniline	13.454	65	279628	42.804	ng	98
49) Acenaphthylene	14.107	152	1473669	39.722	ng	100
50) Dimethylphthalate	13.843	163	1144041	39.397	ng	100
51) 2,6-Dinitrotoluene	13.954	165	250916	40.996	ng	97
52) Acenaphthene	14.454	154	851925m	39.121	ng	
53) 3-Nitroaniline	14.284	138	282368	41.005	ng	95
54) 2,4-Dinitrophenol	14.496	184	92207	28.210	ng	97
55) Dibenzofuran	14.790	168	1367929	39.732	ng	98
56) 4-Nitrophenol	14.595	139	232254	41.044	ng	90
57) 2,4-Dinitrotoluene	14.748	165	361617	41.411	ng	97
58) Fluorene	15.448	166	1041631	38.342	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.025	232	307981	41.161	ng	98
60) Diethylphthalate	15.225	149	1159341	39.291	ng	100
61) 4-Chlorophenyl-phenyle...	15.443	204	518362	38.366	ng	95
62) 4-Nitroaniline	15.460	138	284842	40.349	ng	96
63) Azobenzene	15.743	77	1029260	40.738	ng	97
65) 4,6-Dinitro-2-methylph...	15.525	198	155394	31.911	ng	94
66) n-Nitrosodiphenylamine	15.666	169	963506	40.446	ng	98
67) 4-Bromophenyl-phenylether	16.360	248	341148	39.706	ng	96
68) Hexachlorobenzene	16.478	284	391691	39.328	ng	98
69) Atrazine	16.637	200	352577	39.520	ng	98
70) Pentachlorophenol	16.825	266	253777	40.365	ng	98
71) Phenanthrene	17.225	178	1706656	39.769	ng	99
72) Anthracene	17.325	178	1758329	40.122	ng	100
73) Carbazole	17.601	167	1656058	40.119	ng	99
74) Di-n-butylphthalate	18.195	149	1982745	39.041	ng	99
75) Fluoranthene	19.313	202	1994671	38.967	ng	99
77) Benzidine	19.507	184	898370	33.425	ng	99
78) Pyrene	19.689	202	2074601	40.529	ng	100
80) Butylbenzylphthalate	20.642	149	957322	41.266	ng	98
81) Benzo(a)anthracene	21.607	228	2065196	39.762	ng	99
82) 3,3'-Dichlorobenzidine	21.530	252	769264	39.295	ng	100
83) Chrysene	21.672	228	1947513	40.039	ng	99
84) Bis(2-ethylhexyl)phtha...	21.560	149	1350073	39.534	ng	99
85) Di-n-octyl phthalate	22.848	149	2343804	39.902	ng	99
87) Indeno(1,2,3-cd)pyrene	28.795	276	2587102	39.516	ng	99
88) Benzo(b)fluoranthene	23.930	252	2086584	39.637	ng	99
89) Benzo(k)fluoranthene	23.995	252	2074251	39.376	ng	98
90) Benzo(a)pyrene	24.818	252	2044487	39.898	ng	99
91) Dibenzo(a,h)anthracene	28.901	278	2125078	39.719	ng	99
92) Benzo(g,h,i)perylene	29.995	276	2091079m	39.760	ng	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025438.D
Acq On : 15 Aug 2025 23:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

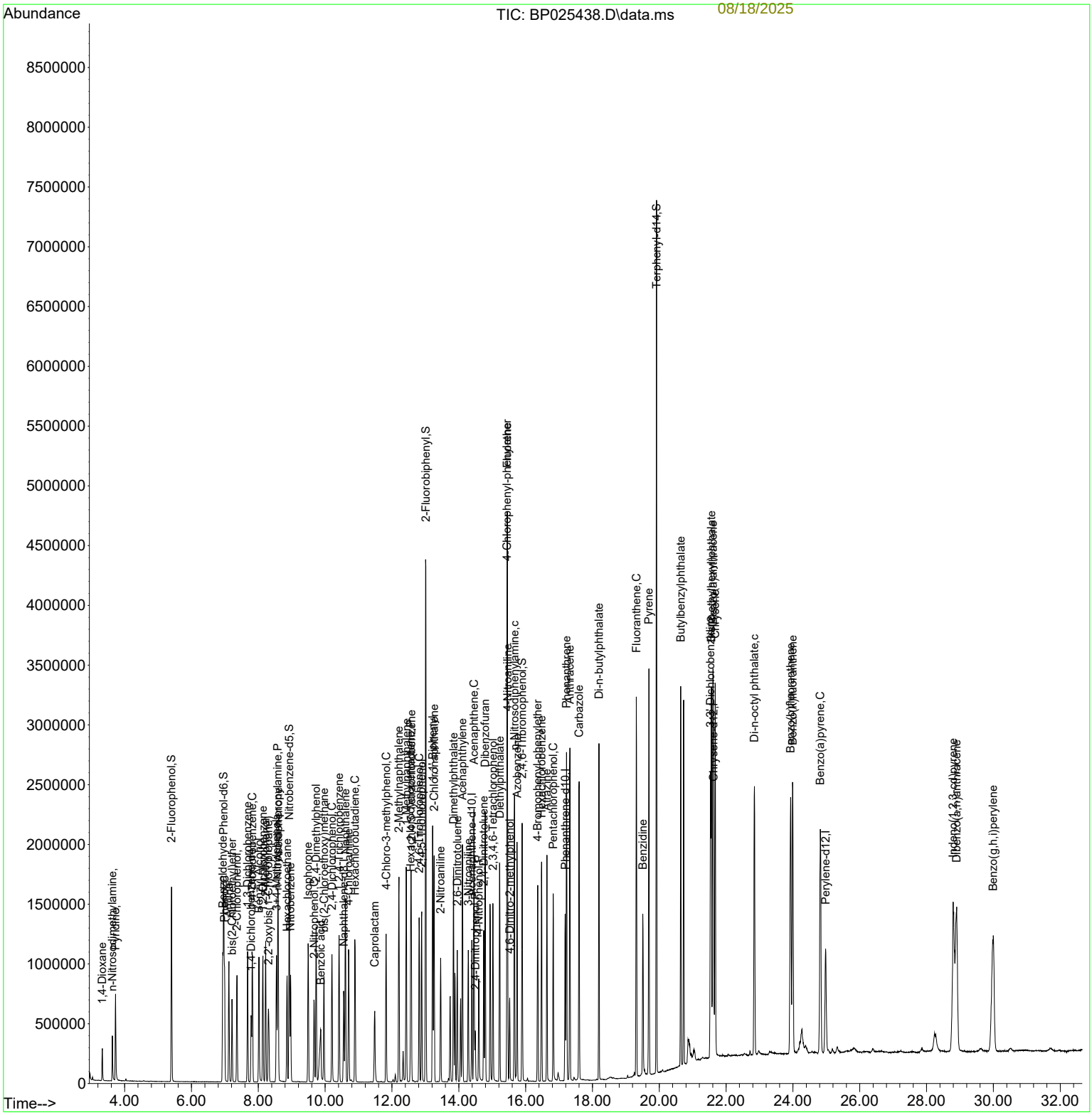
Quant Time: Aug 18 01:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

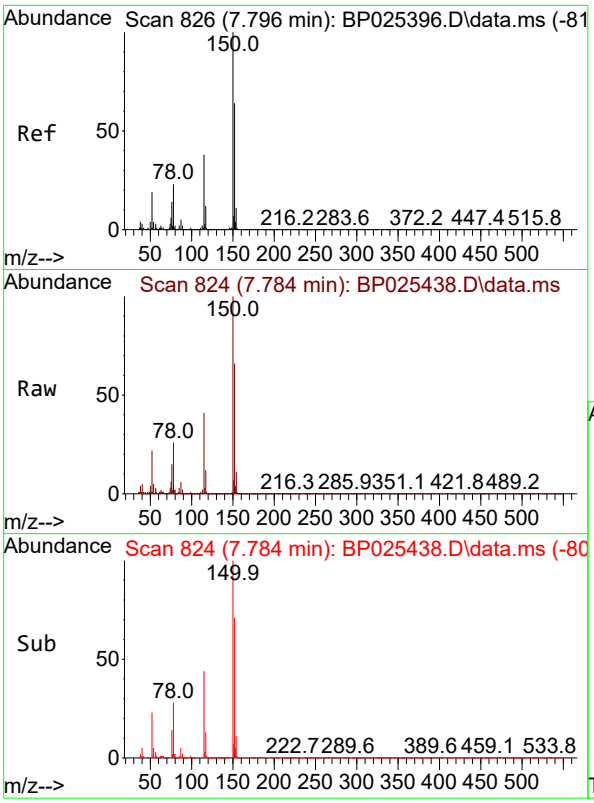
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay
08/18/2025

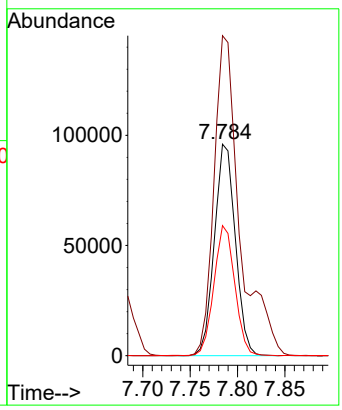




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:152 Resp: 14795

Ion	Ratio	Lower	Upper
152	100		
150	151.3	125.9	188.9
115	61.5	48.5	72.7

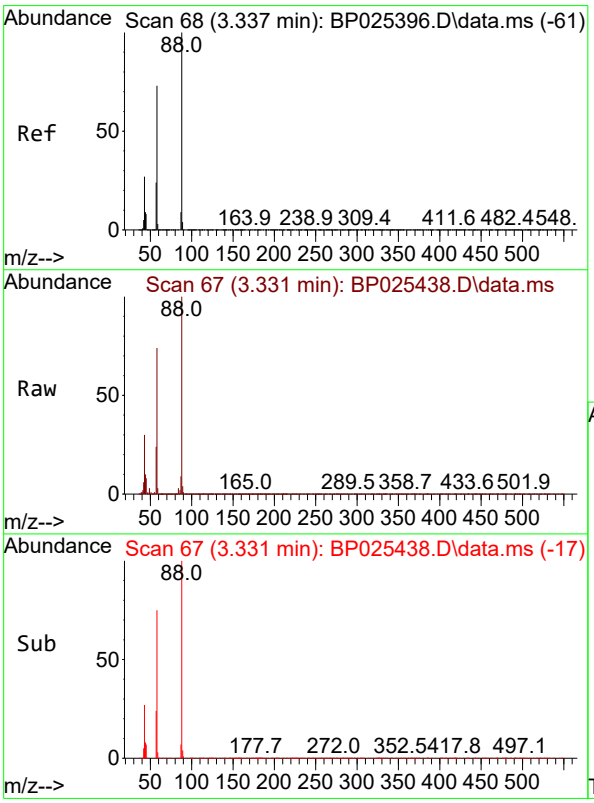


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

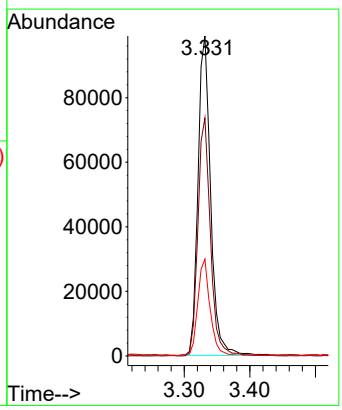
Supervised By :Jagrut Upadhyay
08/18/2025

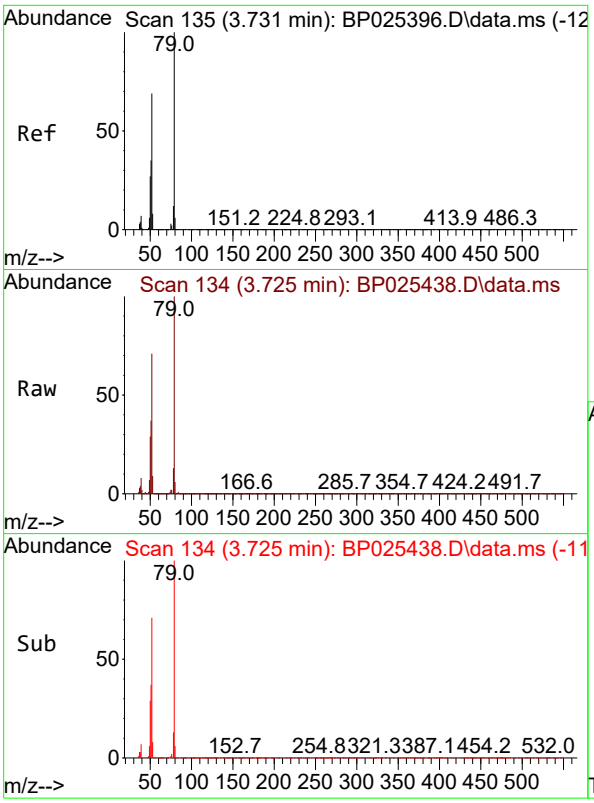


#2
1,4-Dioxane
Concen: 38.154 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 88 Resp: 133147

Ion	Ratio	Lower	Upper
88	100		
58	73.8	59.2	88.8
43	29.0	21.7	32.5

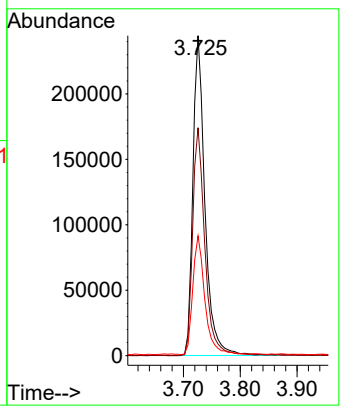




#3
Pyridine
Concen: 37.869 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 79 Resp: 36171

Ion	Ratio	Lower	Upper
79	100		
52	71.2	55.5	83.3
51	37.4	28.3	42.5

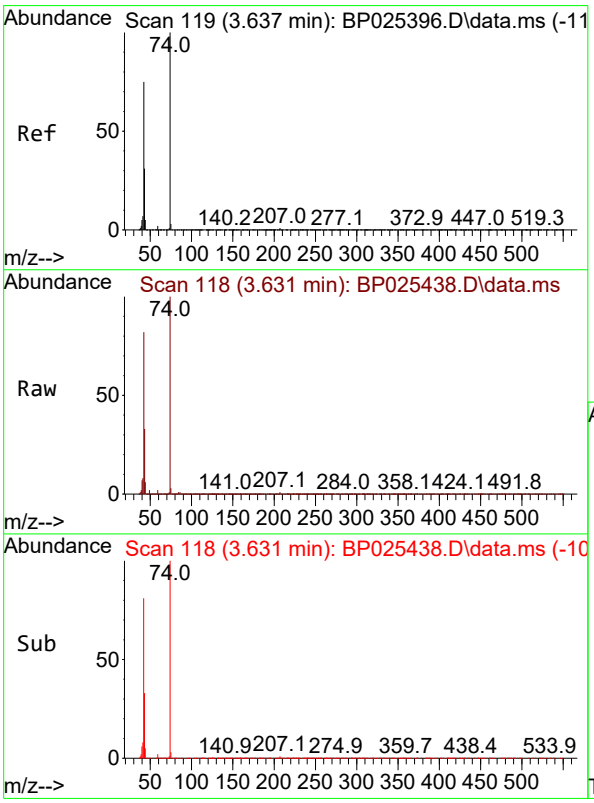


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

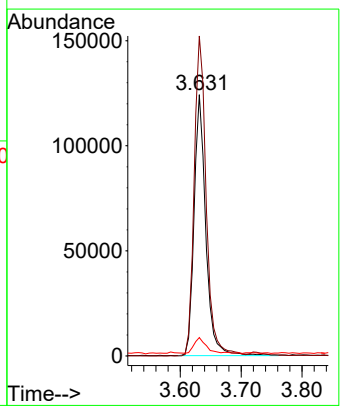
Supervised By :Jagrut Upadhyay
08/18/2025

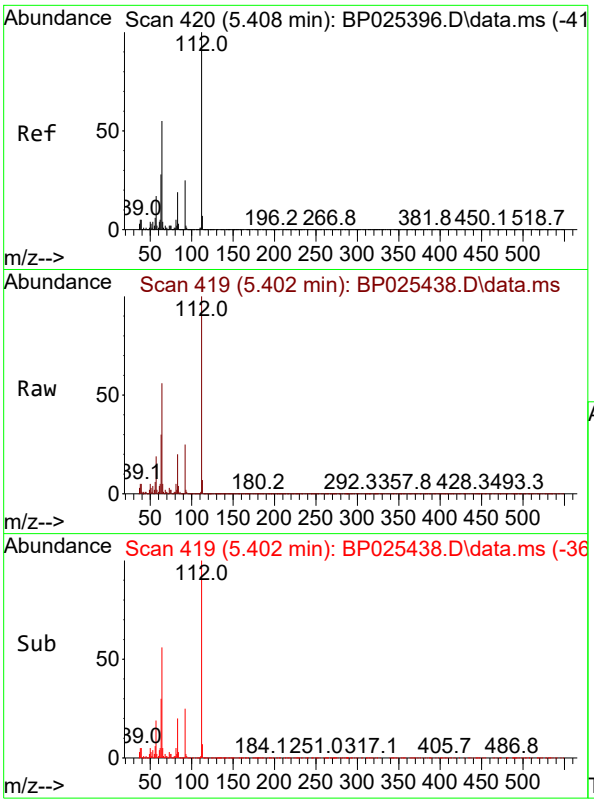


#4
n-Nitrosodimethylamine
Concen: 42.148 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 42 Resp: 165973

Ion	Ratio	Lower	Upper
42	100		
74	122.5	107.0	160.4
44	7.0	6.2	9.4

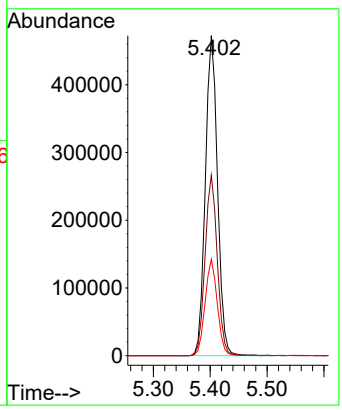




#5
2-Fluorophenol
Concen: 78.736 ng
RT: 5.402 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:112 Resp: 70148

Ion	Ratio	Lower	Upper
112	100		
64	56.4	43.8	65.8
63	30.1	22.7	34.1

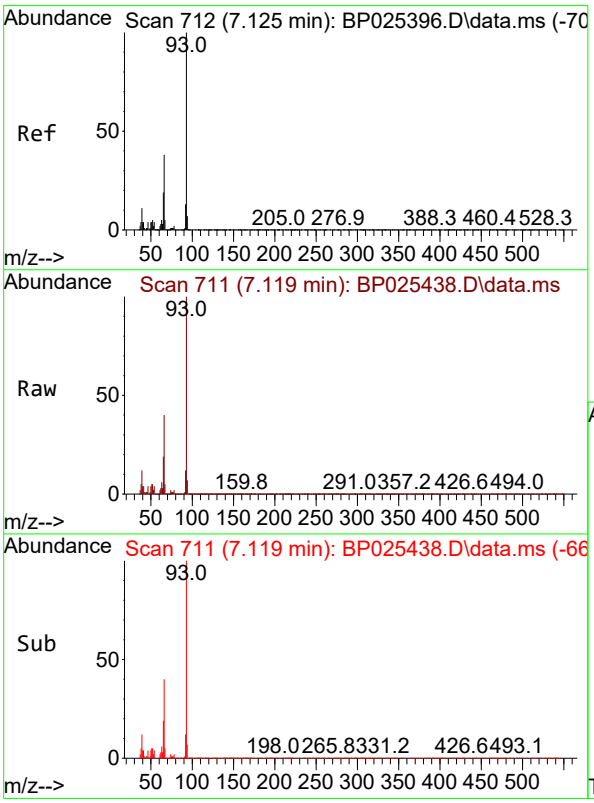


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

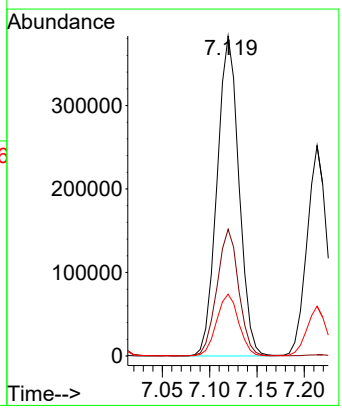
Supervised By :Jagrut Upadhyay
08/18/2025

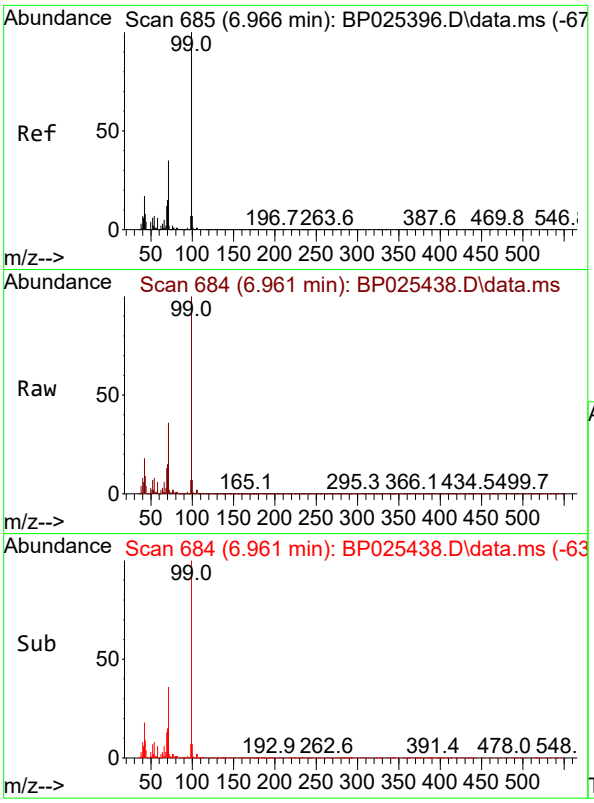


#6
Aniline
Concen: 40.007 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 93 Resp: 615703

Ion	Ratio	Lower	Upper
93	100		
66	39.6	30.4	45.6
65	19.3	15.3	22.9

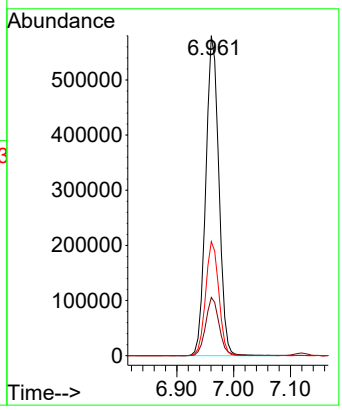




#7
Phenol-d6
Concen: 80.963 ng
RT: 6.961 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 99 Resp: 92479

Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.7	20.5
71	35.6	28.2	42.4

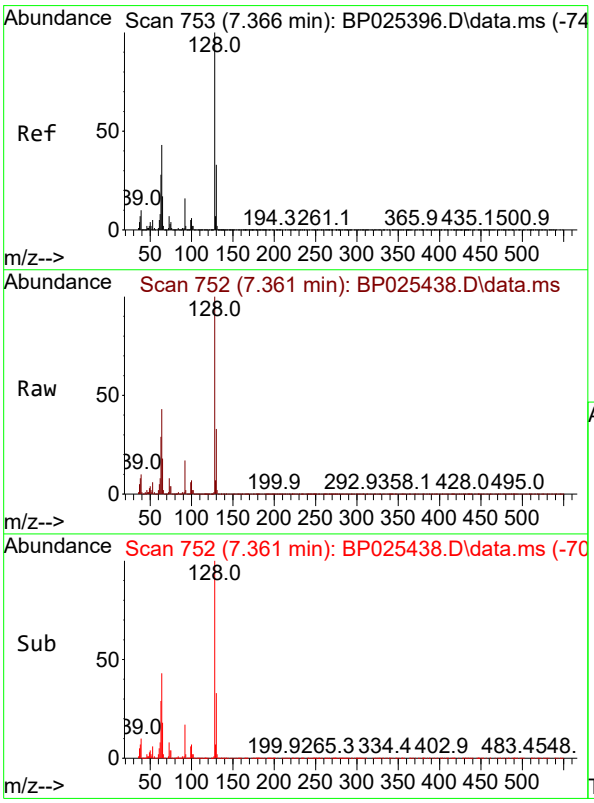


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

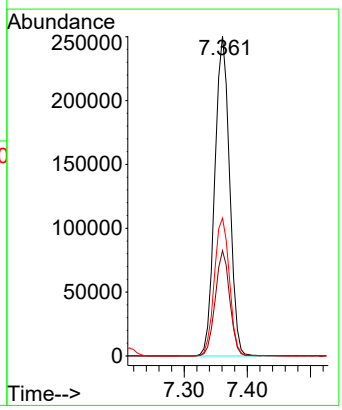
Supervised By :Jagrut Upadhyay
08/18/2025

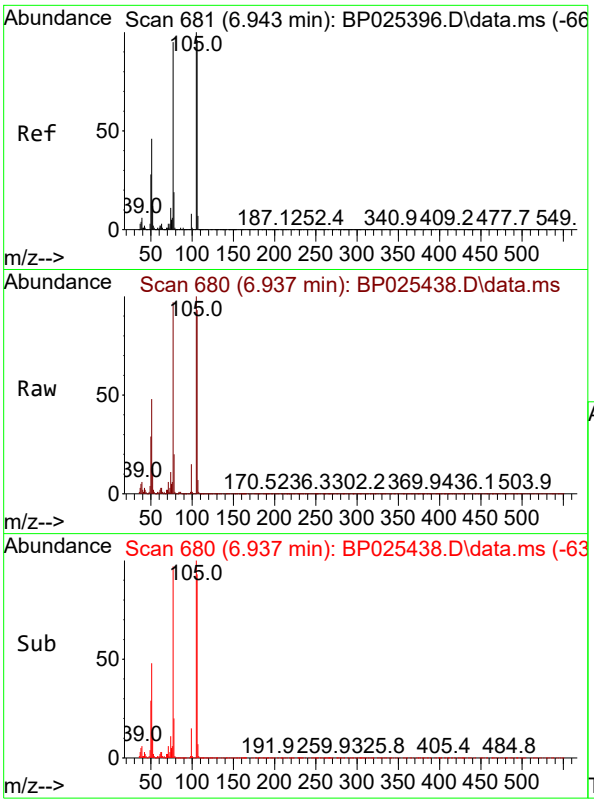


#8
2-Chlorophenol
Concen: 40.404 ng
RT: 7.361 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:128 Resp: 406214

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	43.1	23.4	63.4

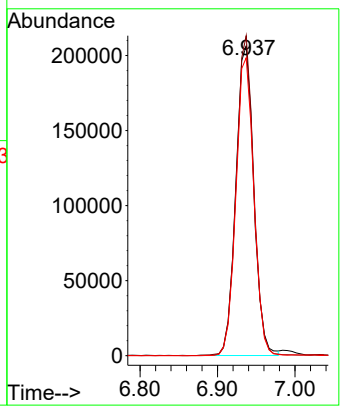




#9
Benzaldehyde
Concen: 41.466 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 77 Resp: 33184

Ion	Ratio	Lower	Upper
77	100		
105	103.3	84.8	124.8
106	96.2	80.5	120.5

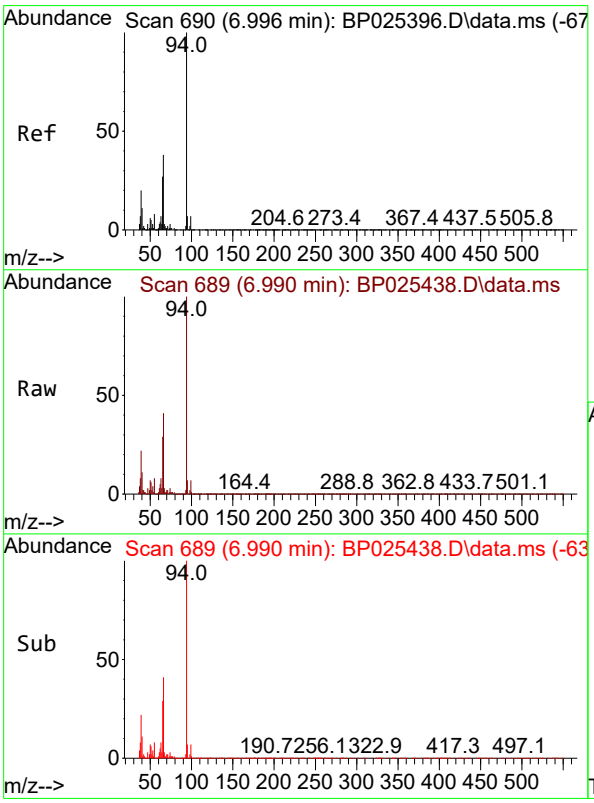


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

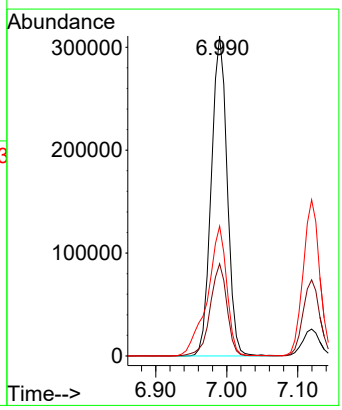
Supervised By :Jagrut Upadhyay
08/18/2025

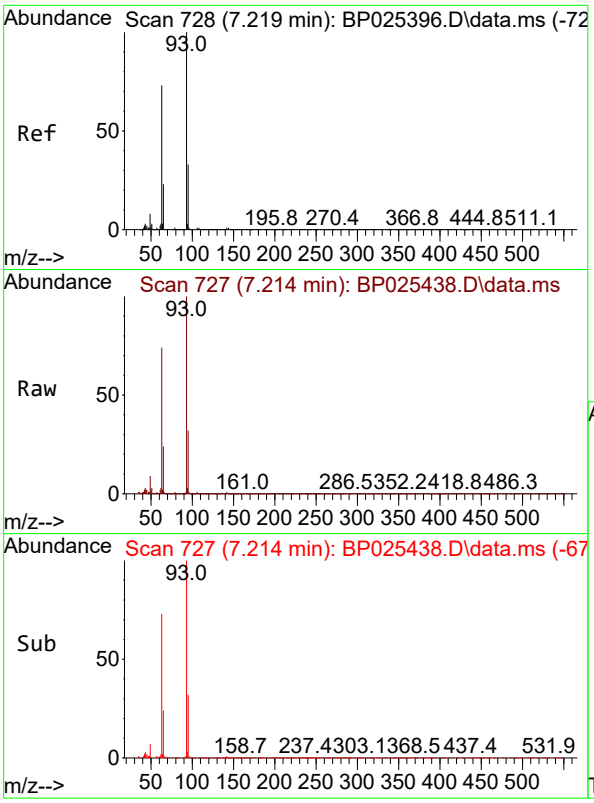


#10
Phenol
Concen: 40.230 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 94 Resp: 482193

Ion	Ratio	Lower	Upper
94	100		
65	28.8	6.8	46.8
66	40.5	18.2	58.2

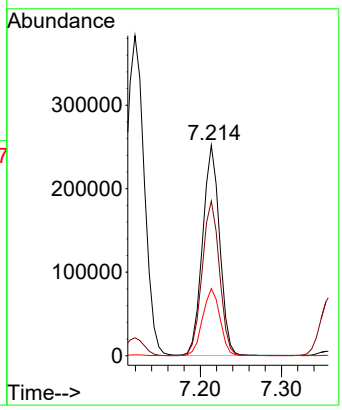




#11
bis(2-Chloroethyl)ether
Concen: 39.334 ng
RT: 7.214 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 93 Resp: 36745

Ion	Ratio	Lower	Upper
93	100		
63	73.6	52.6	92.6
95	31.9	12.7	52.7

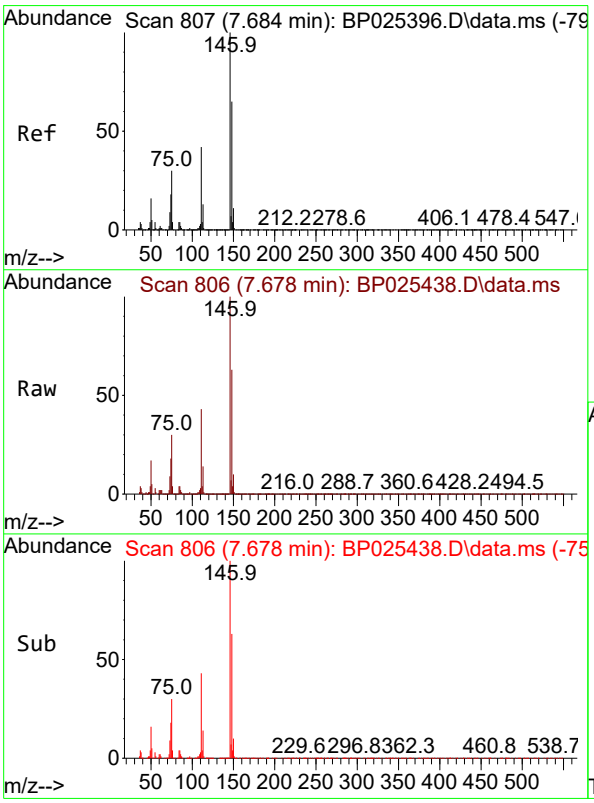


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

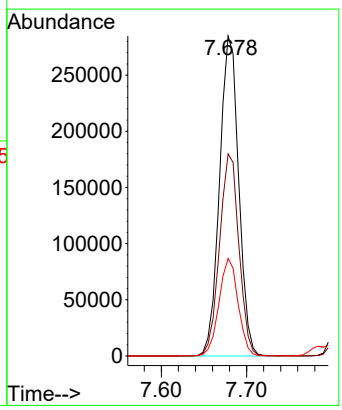
Supervised By :Jagrut Upadhyay
08/18/2025

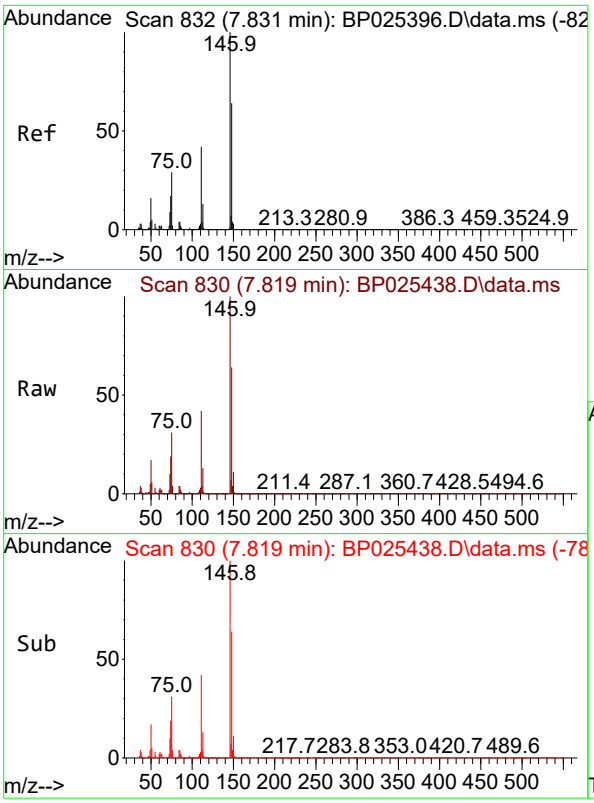


#12
1,3-Dichlorobenzene
Concen: 40.047 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:146 Resp: 443955

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.9	77.9
75	30.4	23.7	35.5

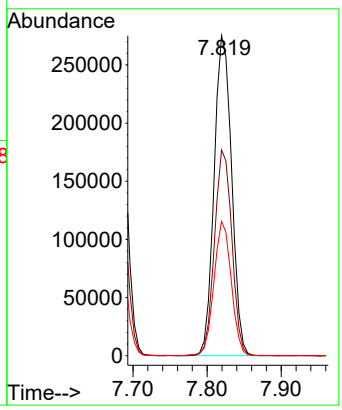




#13
1,4-Dichlorobenzene
Concen: 39.797 ng
RT: 7.819 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:146 Resp: 45094

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
111	42.0	33.4	50.0

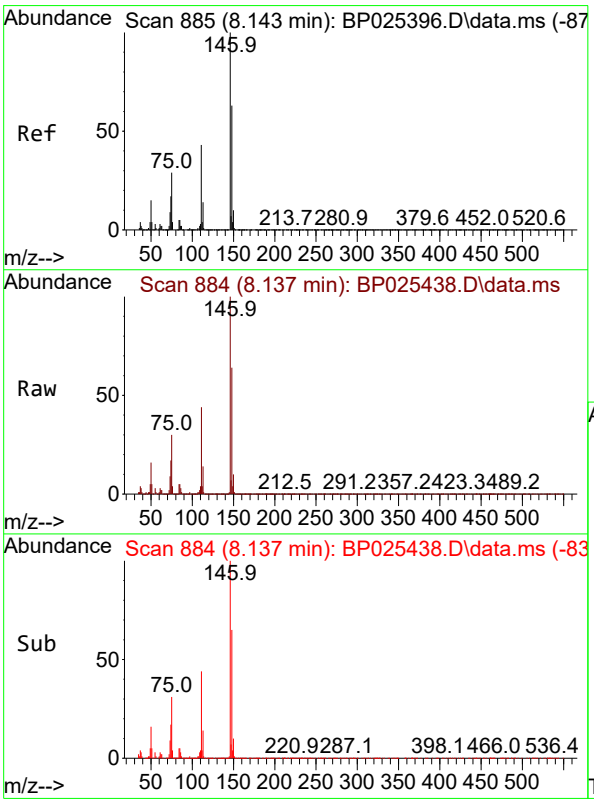


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

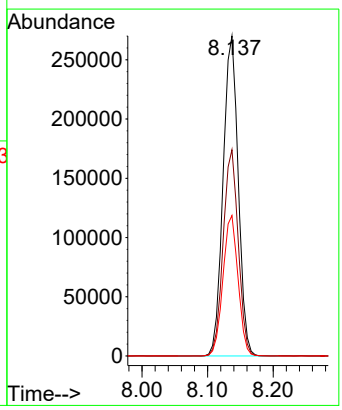
Supervised By :Jagrut Upadhyay
08/18/2025

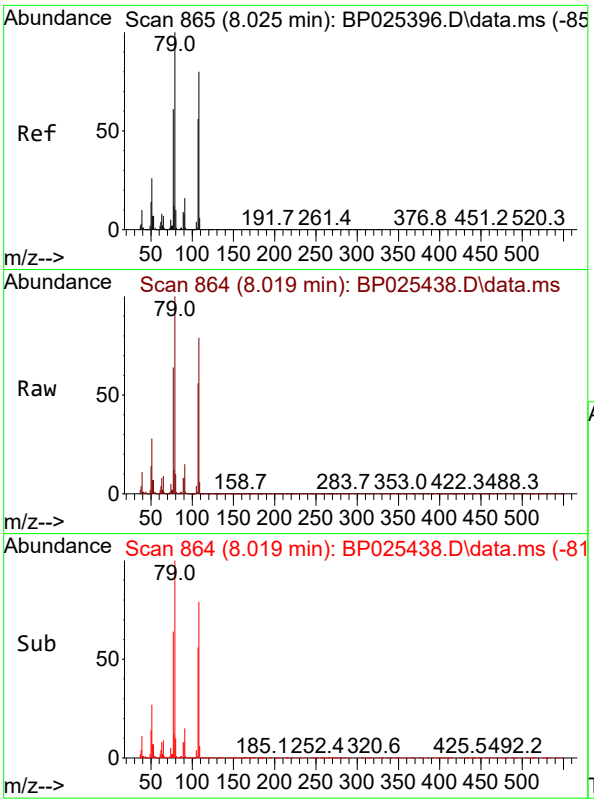


#14
1,2-Dichlorobenzene
Concen: 39.381 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:146 Resp: 431950

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.4	75.6
111	43.9	34.5	51.7

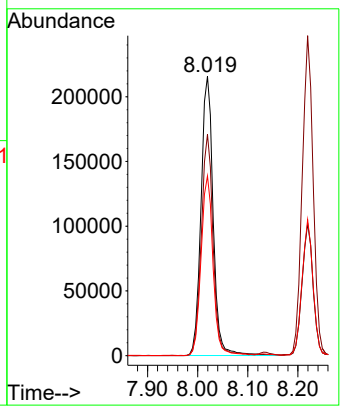




#15
Benzyl Alcohol
Concen: 40.028 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 79 Resp: 36329

Ion	Ratio	Lower	Upper
79	100		
108	79.2	63.8	95.6
77	64.3	49.0	73.4

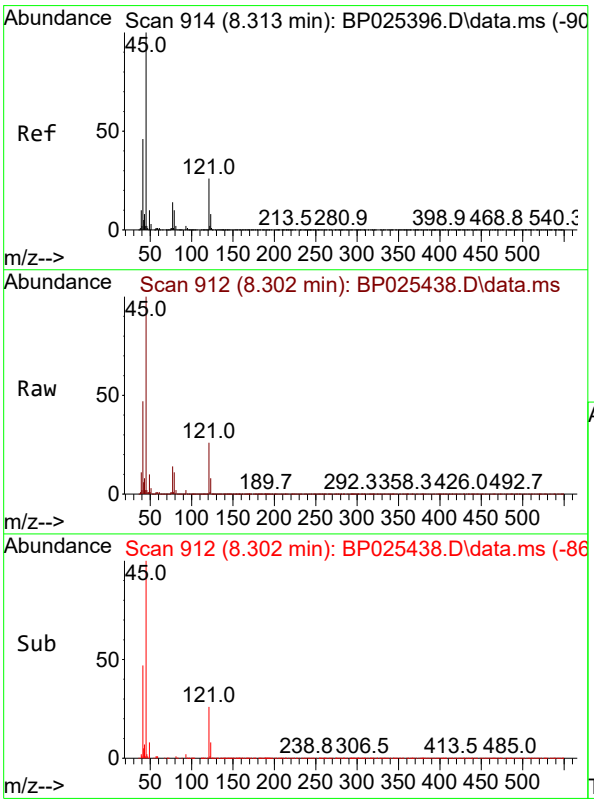


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

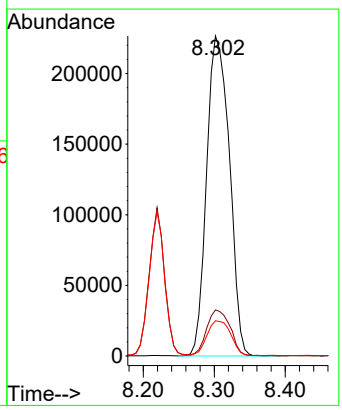
Supervised By :Jagrut Upadhyay
08/18/2025

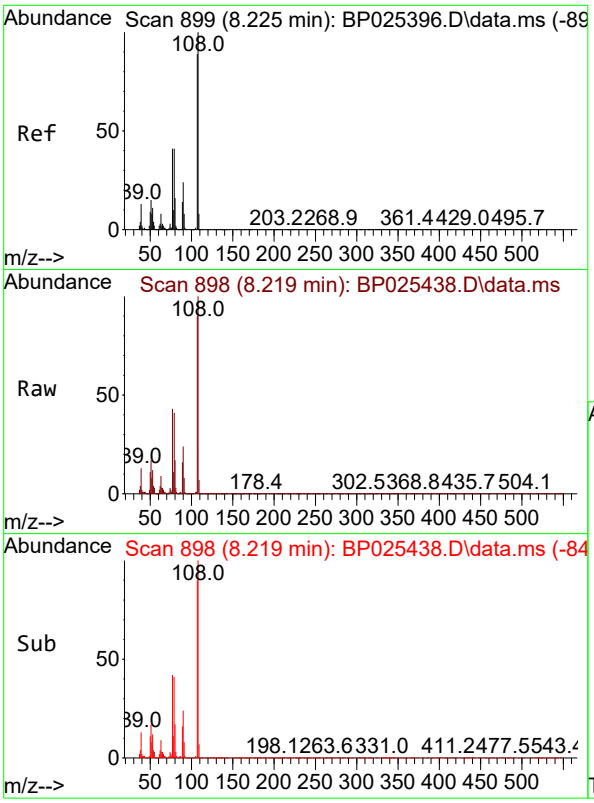


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.333 ng
RT: 8.302 min Scan# 912
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 45 Resp: 504756

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	35.3
79	11.0	0.0	31.8

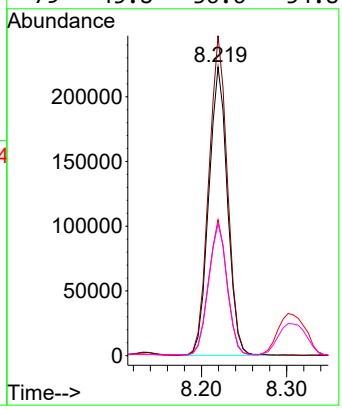




#17
2-Methylphenol
Concen: 40.665 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:107 Resp: 33851

Ion	Ratio	Lower	Upper
107	100		
108	110.9	89.4	134.0
77	47.1	36.3	54.5
79	45.8	36.6	54.8

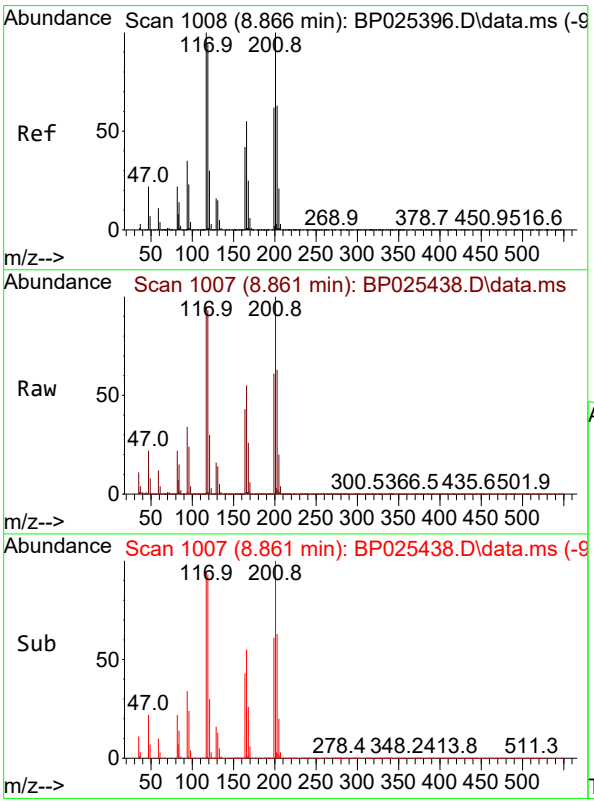


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

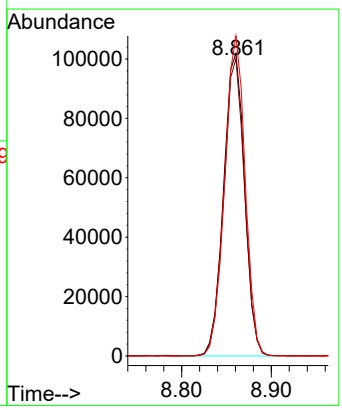
Supervised By :Jagrut Upadhyay
08/18/2025

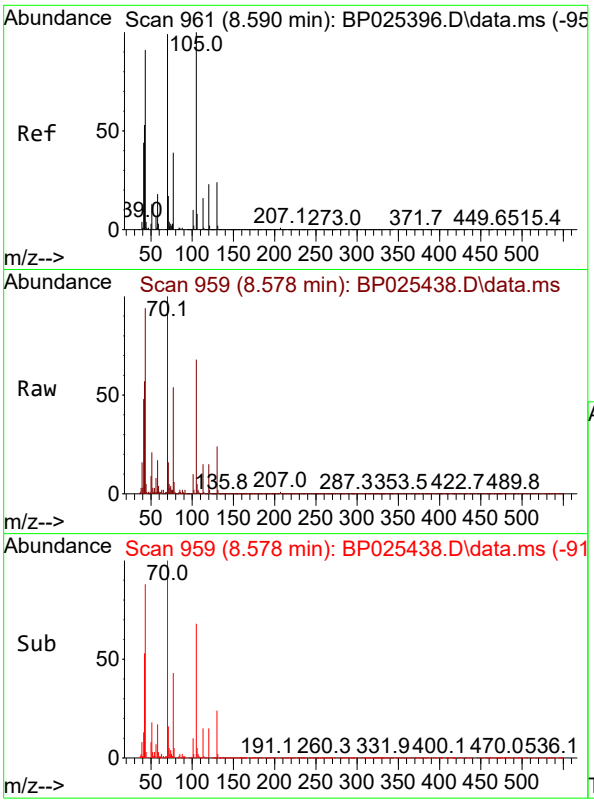


#18
Hexachloroethane
Concen: 39.881 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:117 Resp: 166149

Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.1	112.7
201	105.7	80.1	120.1

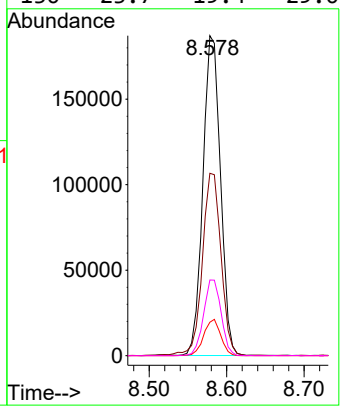




#19
n-Nitroso-di-n-propylamine
Concen: 38.858 ng
RT: 8.578 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 70 Resp: 29400

Ion	Ratio	Lower	Upper
70	100		
42	57.0	43.8	65.6
101	10.4	8.5	12.7
130	23.7	19.4	29.0

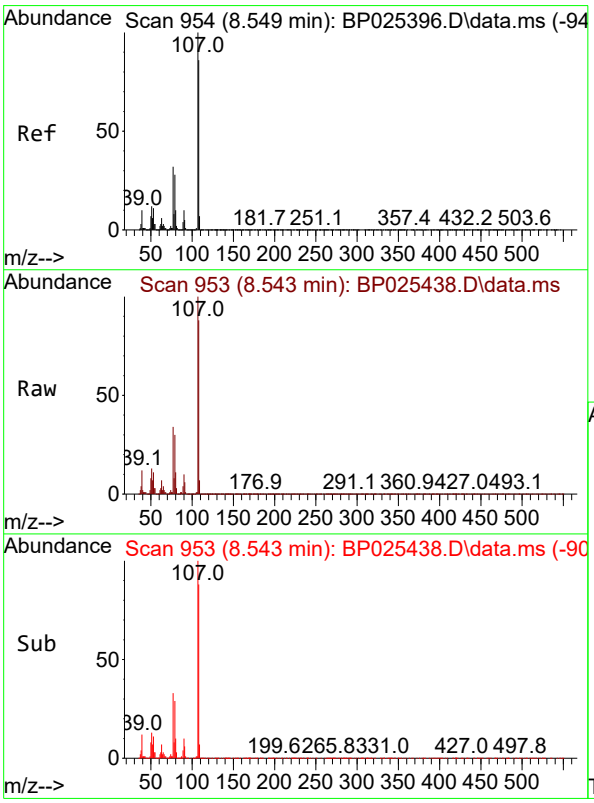


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

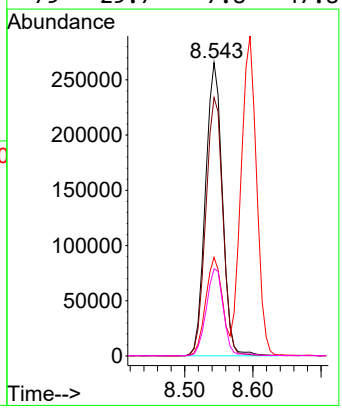
Supervised By :Jagrut Upadhyay
08/18/2025

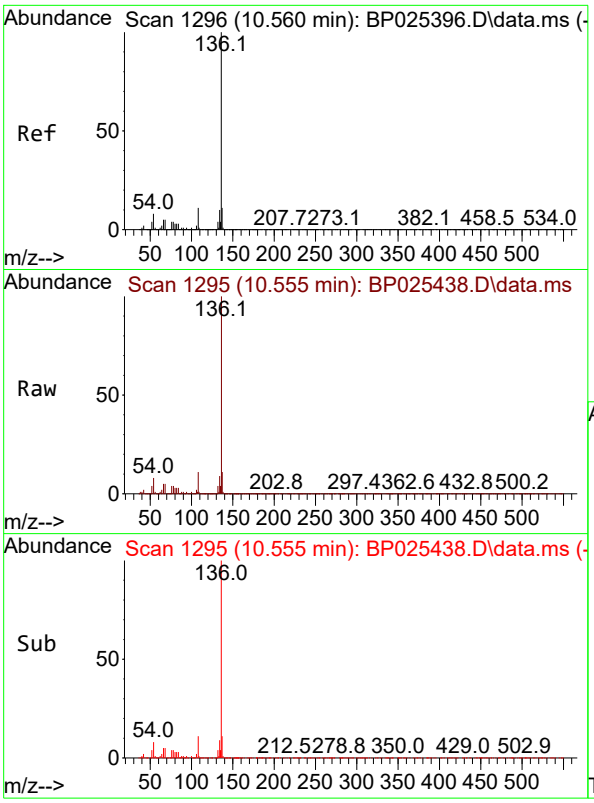


#20
3+4-Methylphenols
Concen: 39.833 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:107 Resp: 459626

Ion	Ratio	Lower	Upper
107	100		
108	88.1	66.3	106.3
77	33.6	12.3	52.3
79	29.7	7.8	47.8

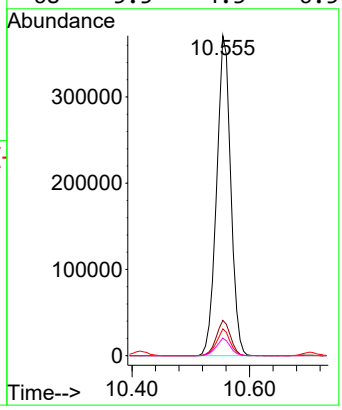




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:136 Resp: 61594

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	8.4	6.0	9.0
68	5.5	4.3	6.5

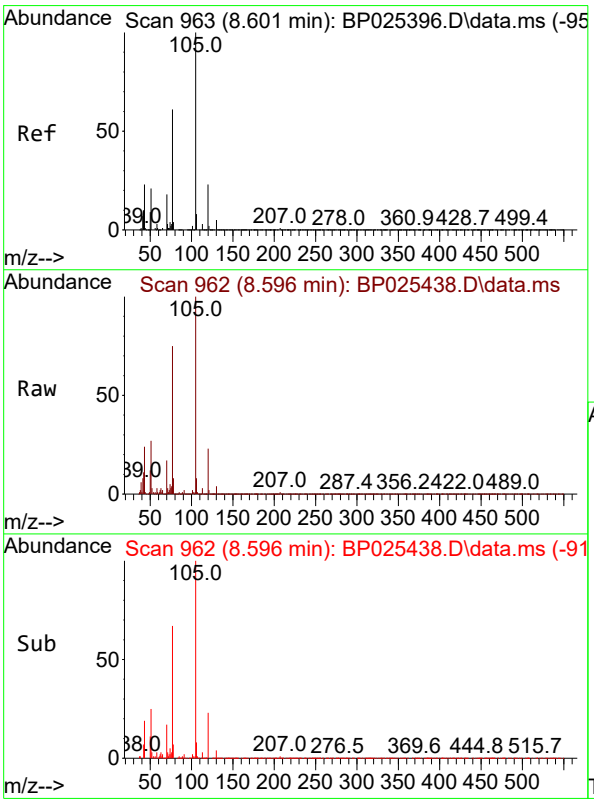


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

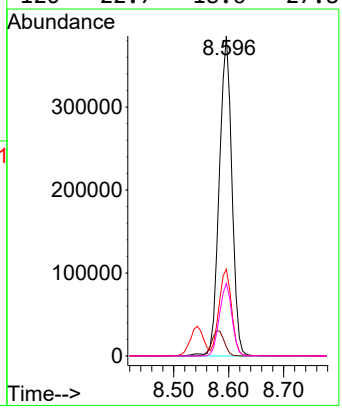
Supervised By :Jagrut Upadhyay
08/18/2025

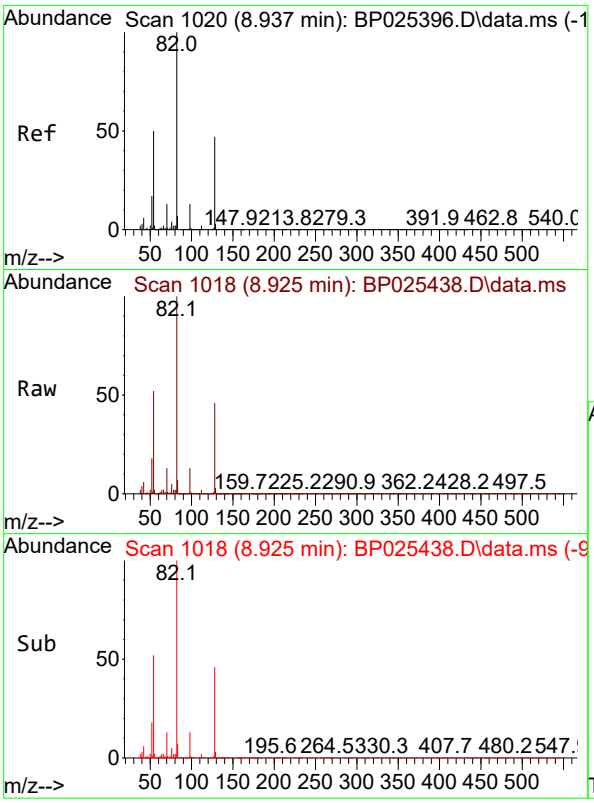


#22
Acetophenone
Concen: 39.681 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:105 Resp: 612932

Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.6	4.0
51	27.1	20.6	30.8
120	22.7	18.6	27.8

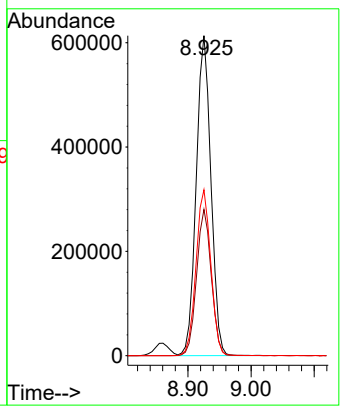




#23
Nitrobenzene-d5
Concen: 81.281 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 82 Resp: 98969

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.7	56.5
54	51.9	39.8	59.6

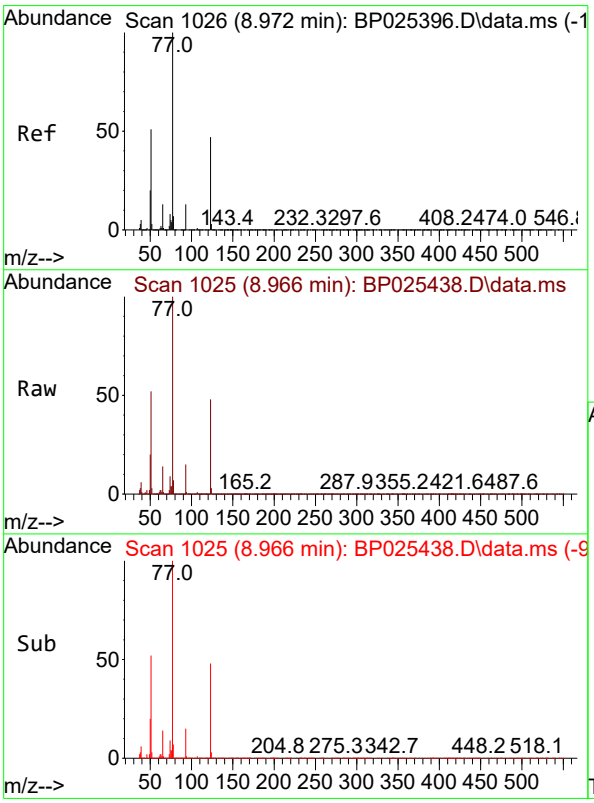


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

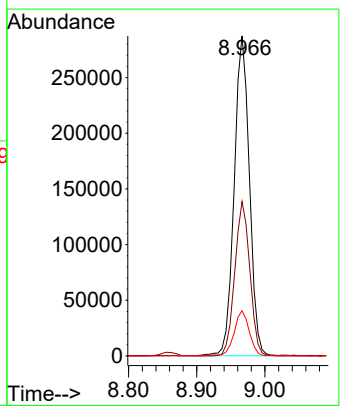
Supervised By :Jagrut Upadhyay
08/18/2025

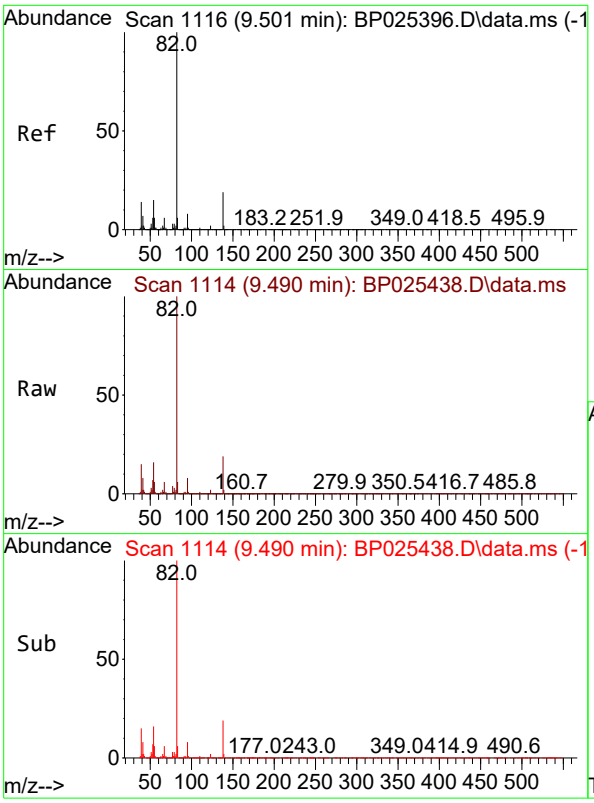


#24
Nitrobenzene
Concen: 41.007 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 77 Resp: 446244

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	58.0
65	14.1	10.6	15.8

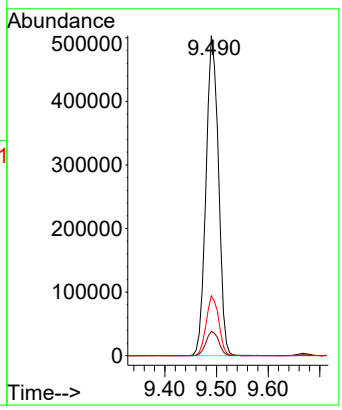




#25
Isophorone
Concen: 39.049 ng
RT: 9.490 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 82 Resp: 84145

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	18.7	15.4	23.0

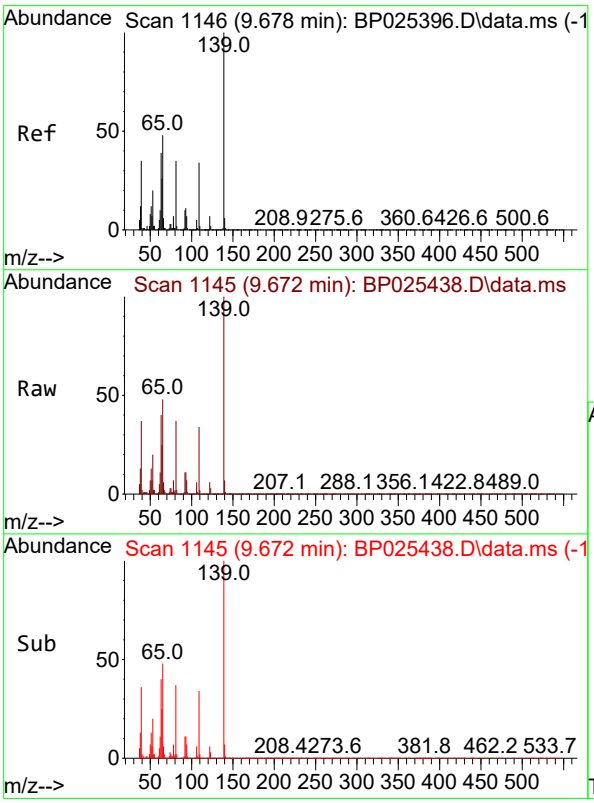


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

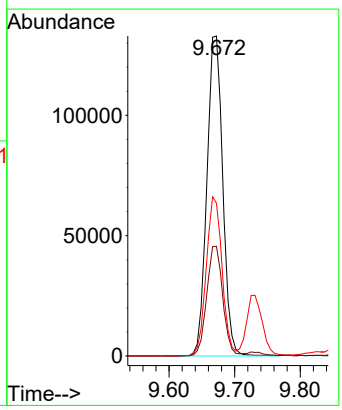
Supervised By :Jagrut Upadhyay
08/18/2025

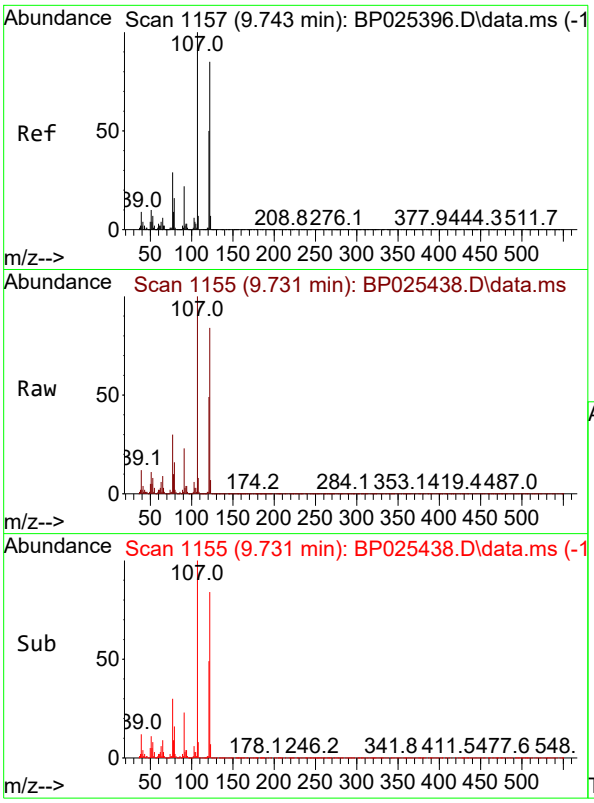


#26
2-Nitrophenol
Concen: 40.182 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:139 Resp: 224405

Ion	Ratio	Lower	Upper
139	100		
109	34.3	26.9	40.3
65	47.7	38.3	57.5

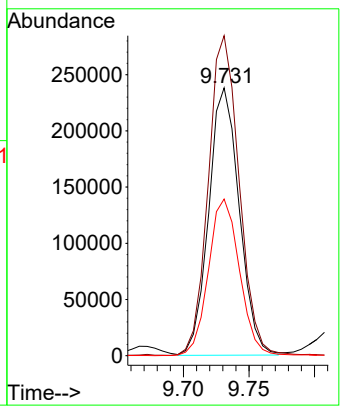




#27
2,4-Dimethylphenol
Concen: 40.075 ng
RT: 9.731 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:122 Resp: 38488

Ion	Ratio	Lower	Upper
122	100		
107	119.5	93.7	140.5
121	58.5	46.6	69.8

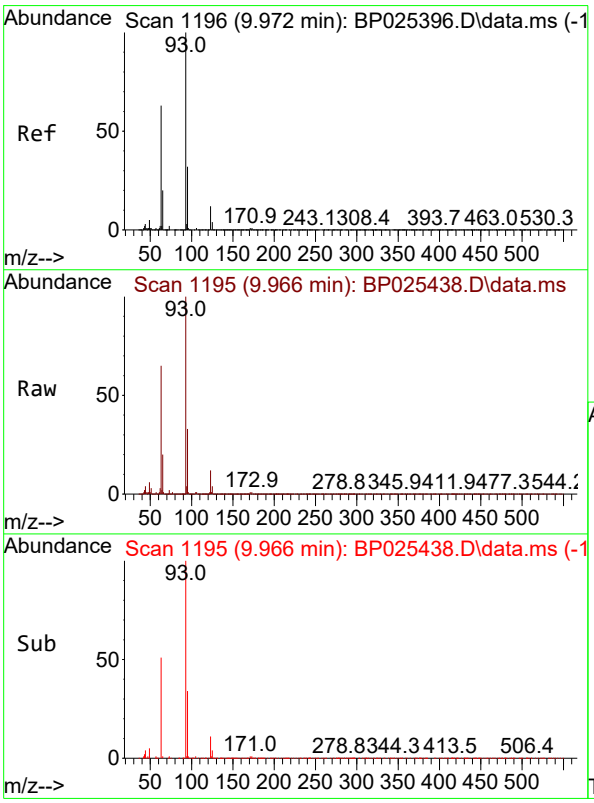


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

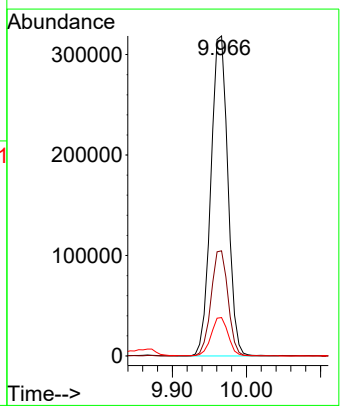
Supervised By :Jagrut Upadhyay
08/18/2025

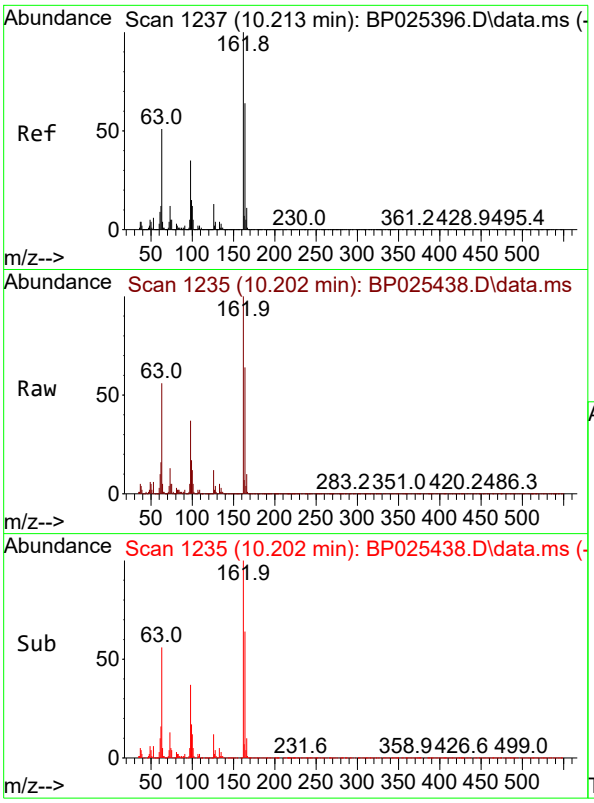


#28
bis(2-Chloroethoxy)methane
Concen: 38.882 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 93 Resp: 506470

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.4	38.0
123	12.0	9.4	14.0

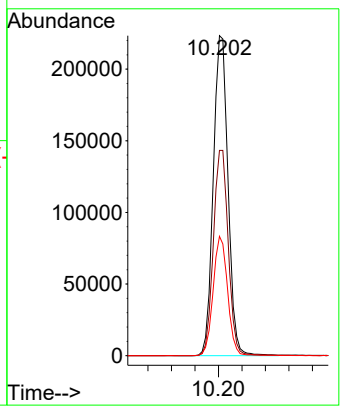




#29
2,4-Dichlorophenol
Concen: 40.752 ng
RT: 10.202 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:162 Resp: 38880

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.4	84.4
98	37.3	14.9	54.9

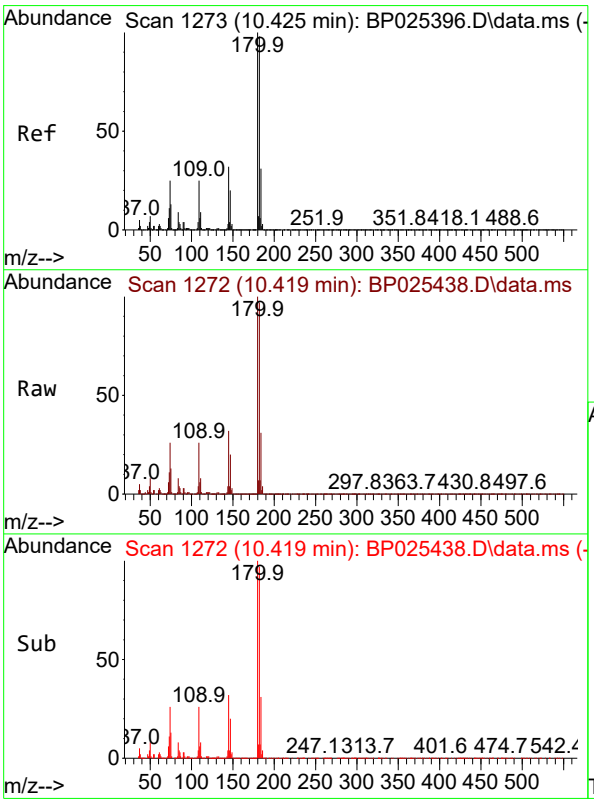


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

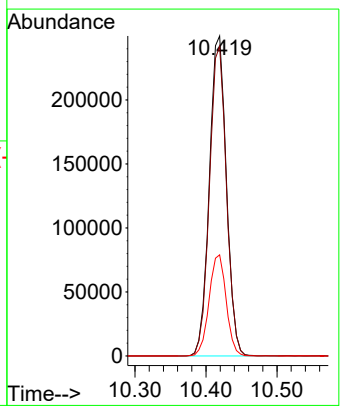
Supervised By :Jagrut Upadhyay
08/18/2025

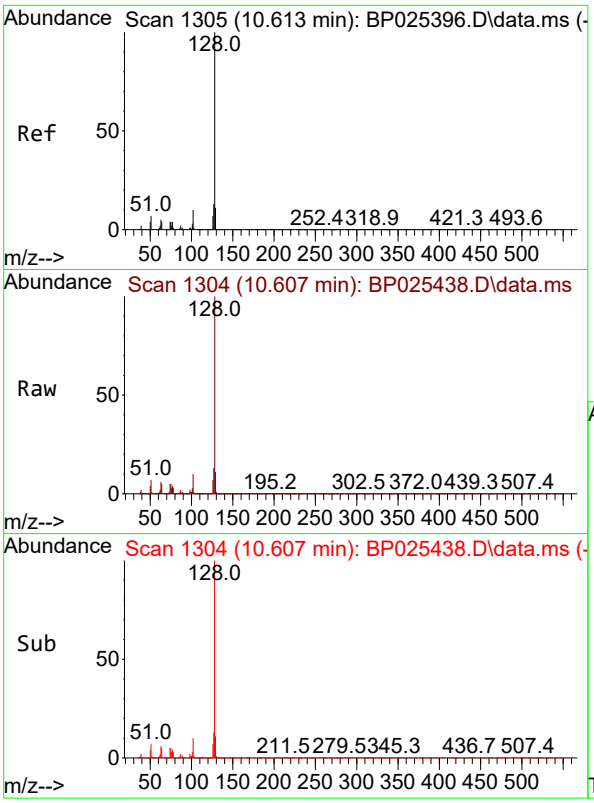


#30
1,2,4-Trichlorobenzene
Concen: 39.812 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:180 Resp: 416383

Ion	Ratio	Lower	Upper
180	100		
182	96.7	78.0	117.0
145	31.6	25.9	38.9

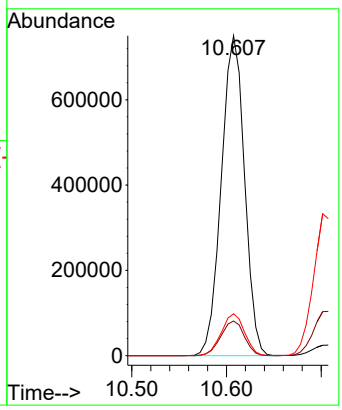




#31
Naphthalene
Concen: 39.869 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:128 Resp: 127635

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.7	16.1

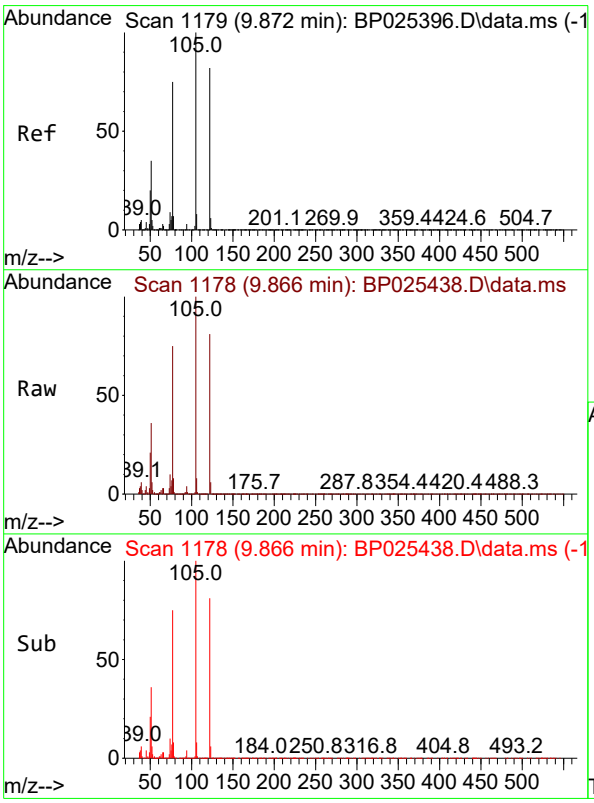


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

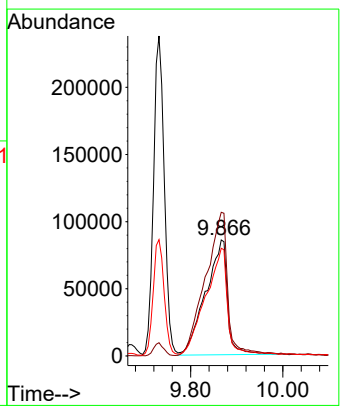
Supervised By :Jagrut Upadhyay
08/18/2025

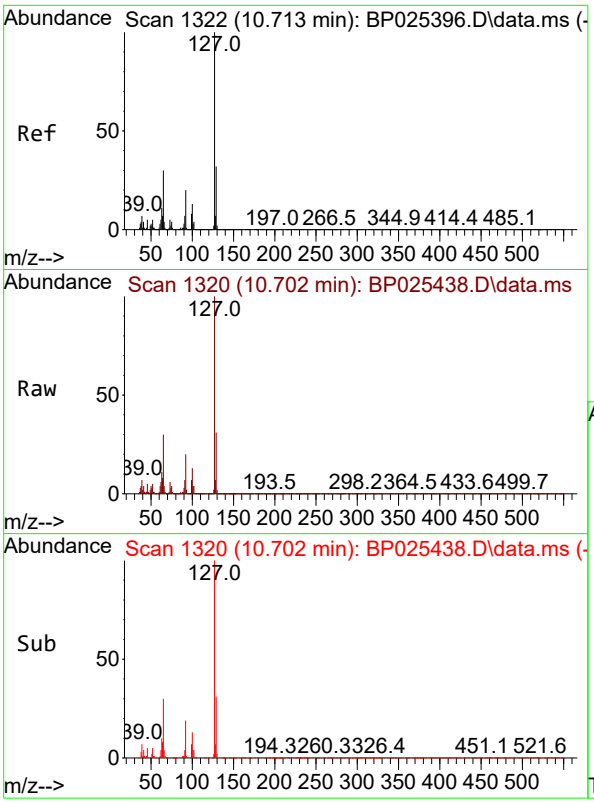


#32
Benzoic acid
Concen: 39.623 ng
RT: 9.866 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:122 Resp: 280949

Ion	Ratio	Lower	Upper
122	100		
105	123.9	100.6	140.6
77	92.9	71.5	111.5

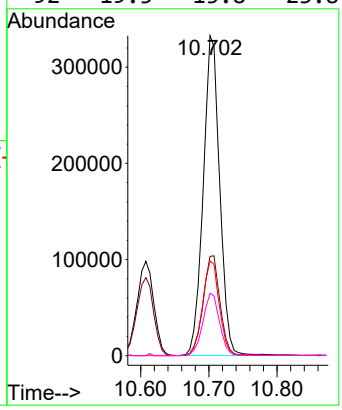




#33
4-Chloroaniline
Concen: 39.624 ng
RT: 10.702 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:127 Resp: 56033

Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.4	38.2
65	29.6	23.8	35.6
92	19.5	15.8	23.8

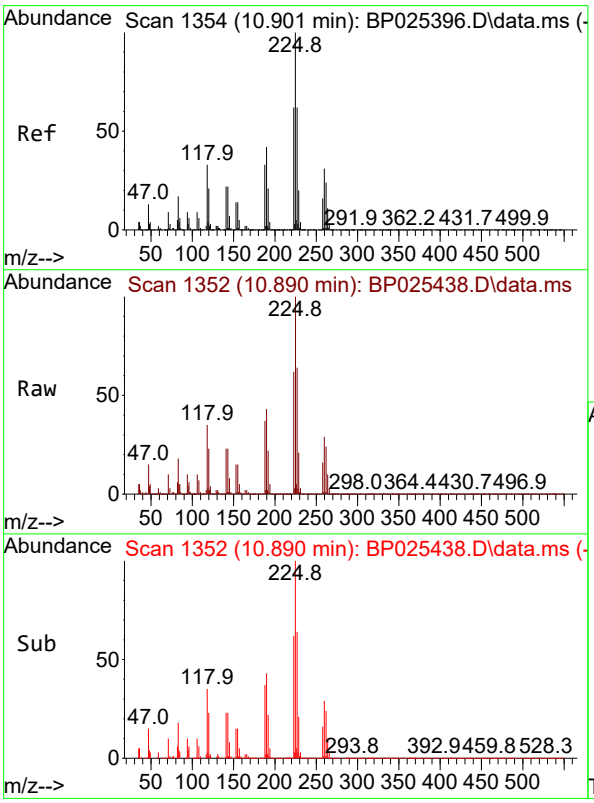


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

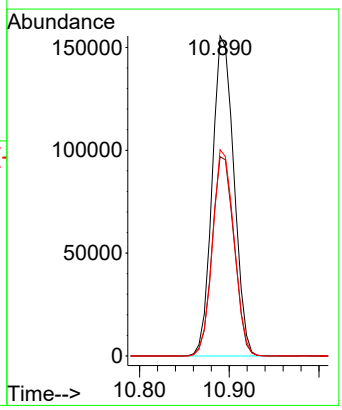
Supervised By :Jagrut Upadhyay
08/18/2025

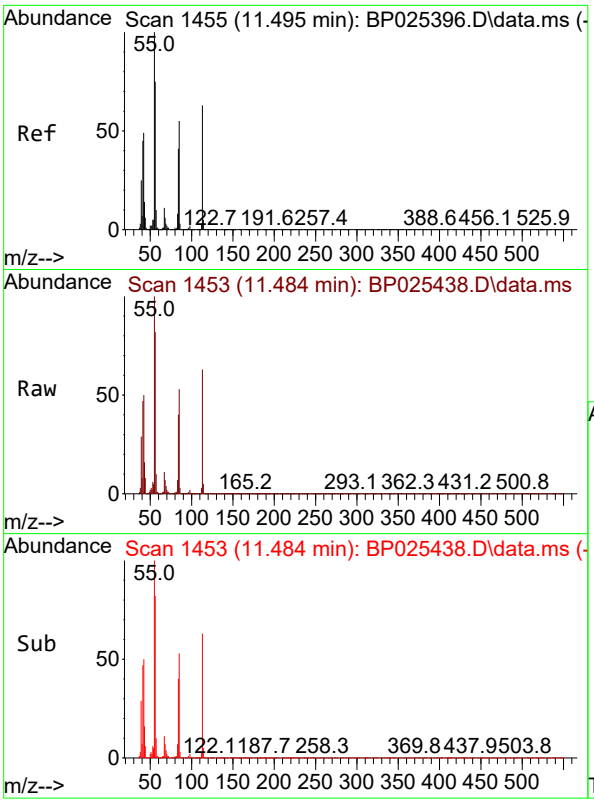


#34
Hexachlorobutadiene
Concen: 40.005 ng
RT: 10.890 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:225 Resp: 260571

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.0	75.0
227	64.4	49.7	74.5

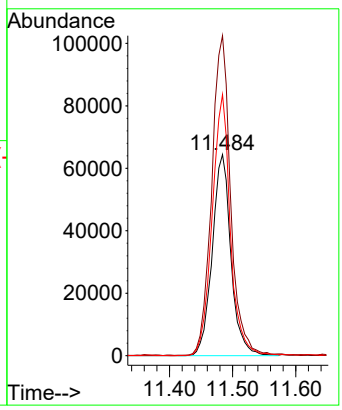




#35
Caprolactam
Concen: 37.795 ng
RT: 11.484 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:113 Resp: 13222

Ion	Ratio	Lower	Upper
113	100		
55	159.1	140.0	180.0
56	129.9	100.0	140.0

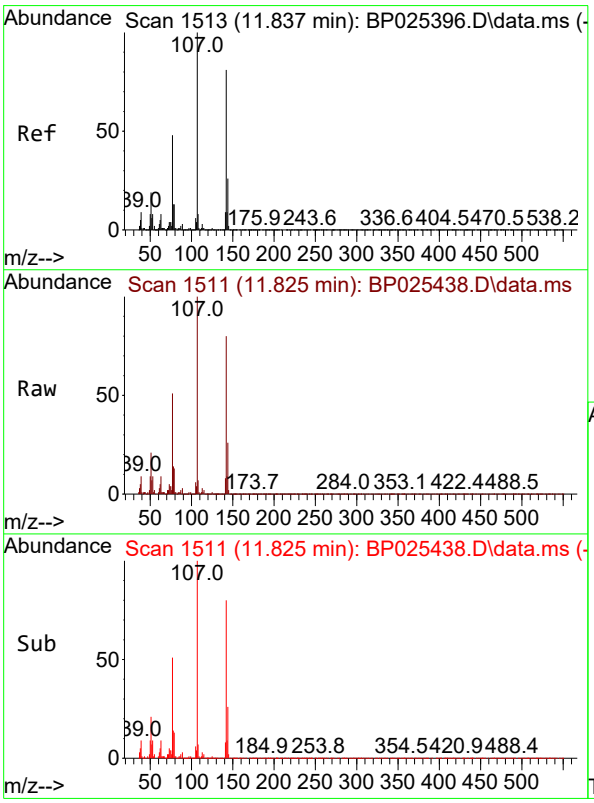


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

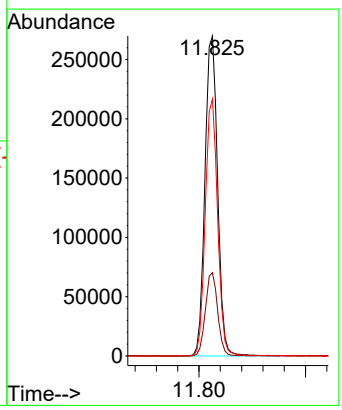
Supervised By :Jagrut Upadhyay
08/18/2025

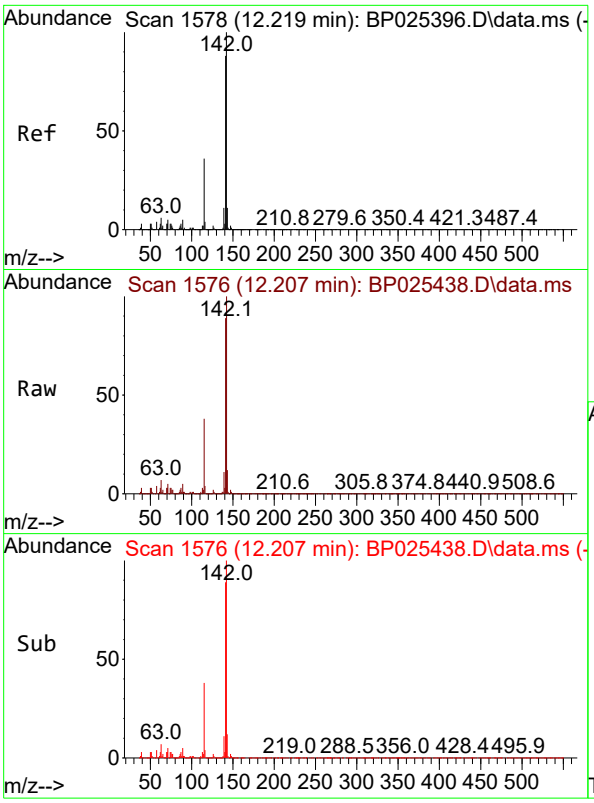


#36
4-Chloro-3-methylphenol
Concen: 40.543 ng
RT: 11.825 min Scan# 1511
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:107 Resp: 443855

Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.0	31.4
142	80.3	64.6	97.0

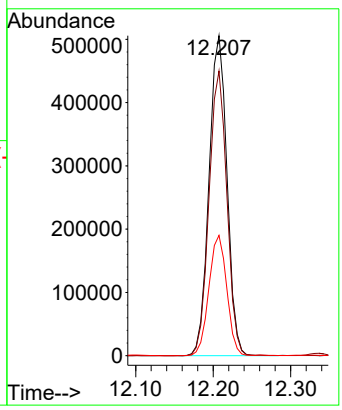




#37
2-Methylnaphthalene
Concen: 39.018 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:142 Resp: 81290

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	37.6	28.9	43.3

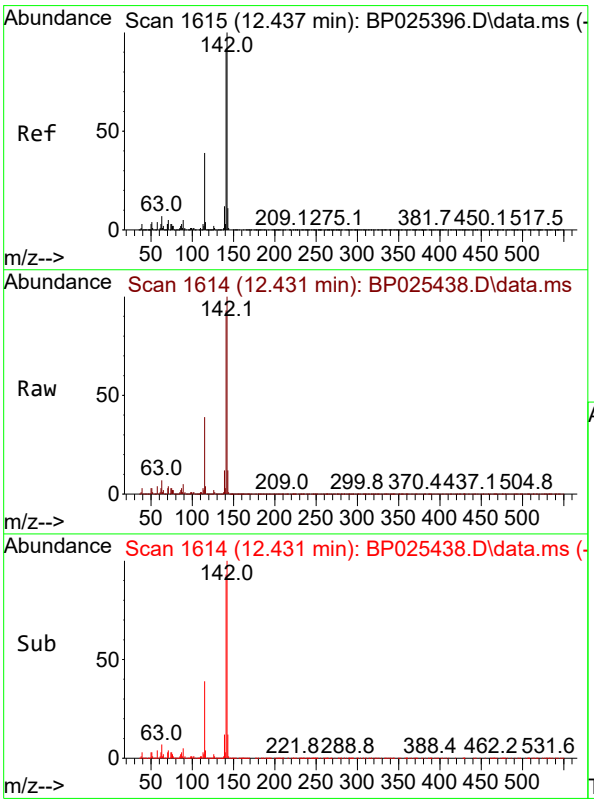


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

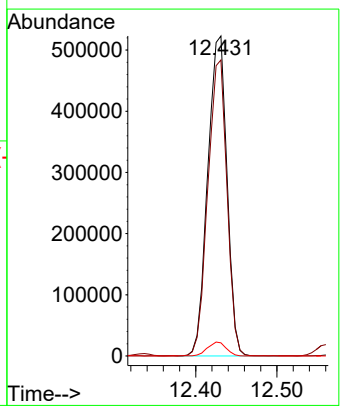
Supervised By :Jagrut Upadhyay
08/18/2025

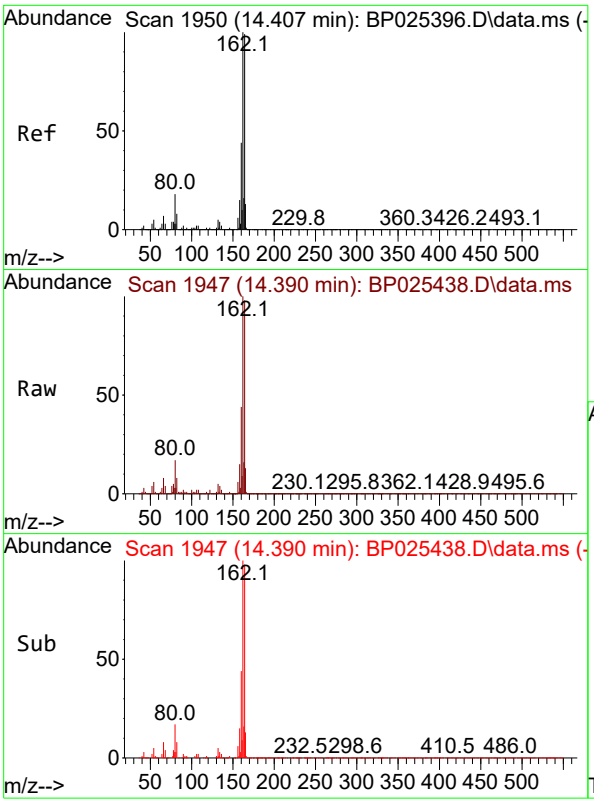


#38
1-Methylnaphthalene
Concen: 38.817 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:142 Resp: 860019

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.1	109.7
116	4.1	3.2	4.8

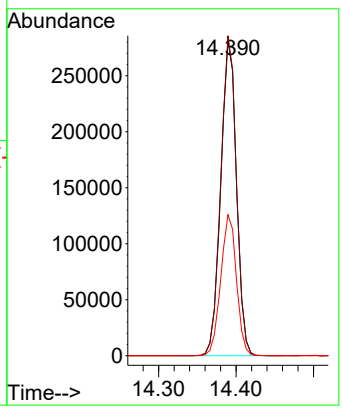




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.390 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:164 Resp: 396549

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.0	121.6
160	44.7	35.4	53.2

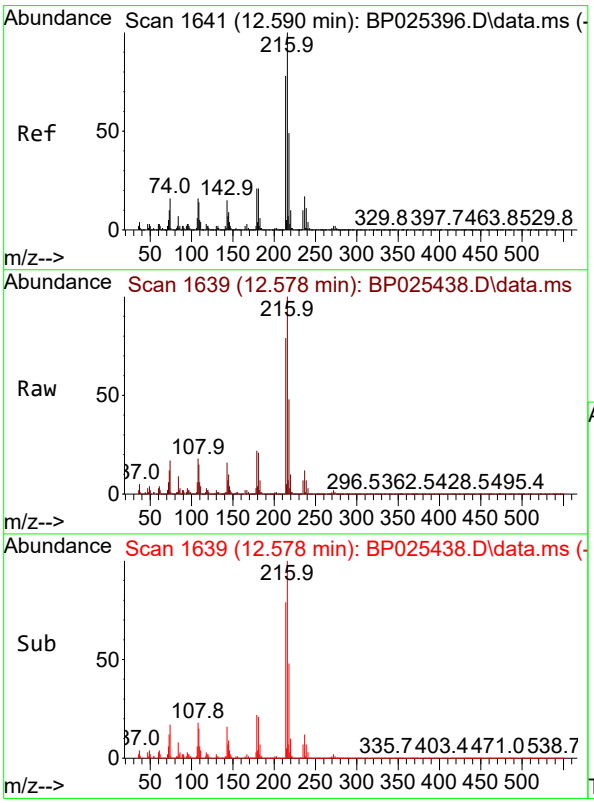


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

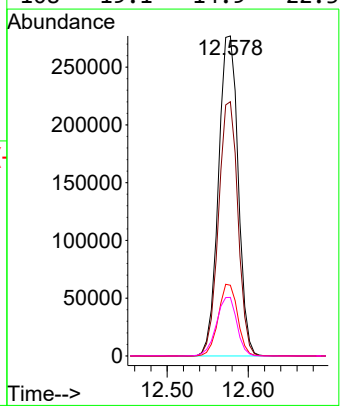
Supervised By :Jagrut Upadhyay
08/18/2025

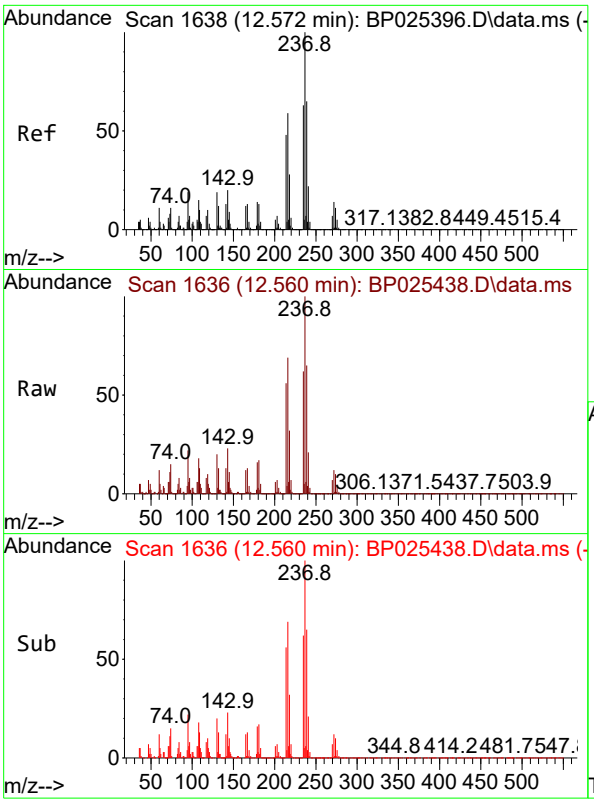


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.826 ng
RT: 12.578 min Scan# 1639
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:216 Resp: 467567

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.0	94.4
179	22.0	17.1	25.7
108	19.1	14.9	22.3

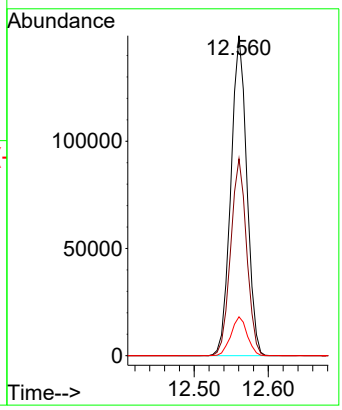




#41
Hexachlorocyclopentadiene
Concen: 32.234 ng
RT: 12.560 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:237 Resp: 22299

Ion	Ratio	Lower	Upper
237	100		
235	61.6	42.7	82.7
272	12.1	0.0	34.0

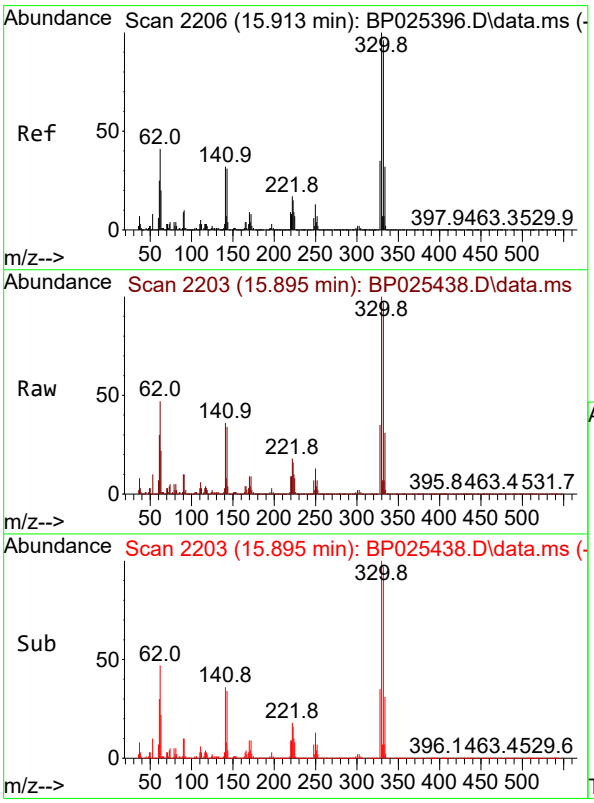


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

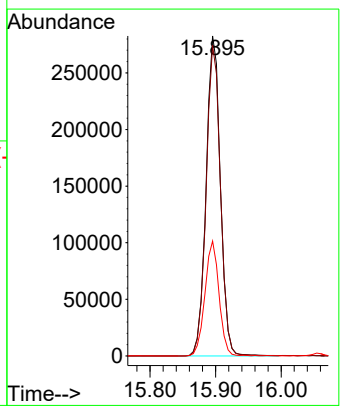
Supervised By :Jagrut Upadhyay
08/18/2025

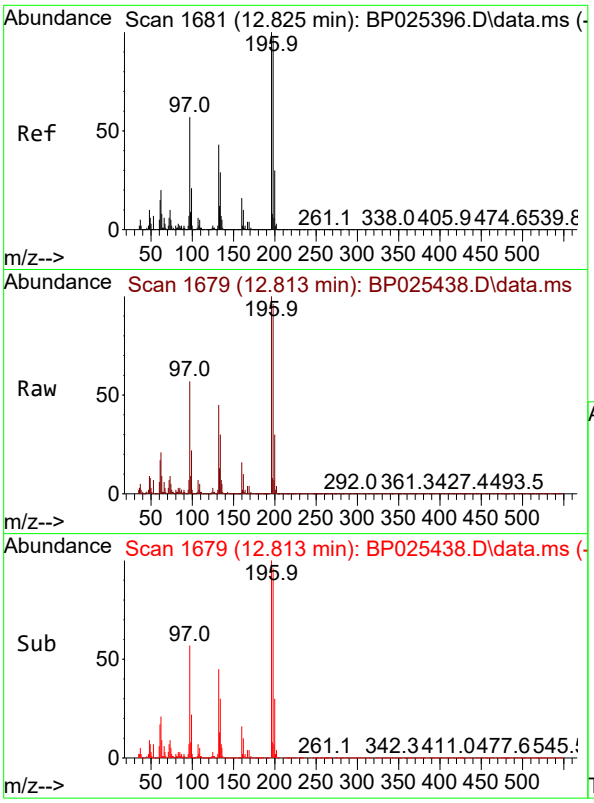


#42
2,4,6-Tribromophenol
Concen: 80.334 ng
RT: 15.895 min Scan# 2203
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:330 Resp: 428792

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	35.5	26.6	39.8

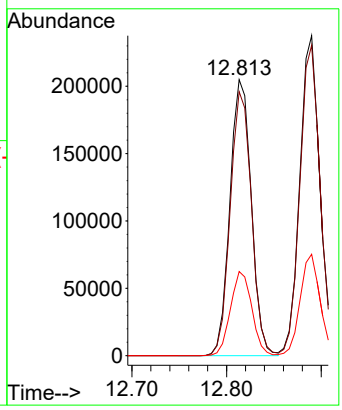




#43
2,4,6-Trichlorophenol
Concen: 41.525 ng
RT: 12.813 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:196 Resp: 32107

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.2	115.8
200	30.5	23.9	35.9

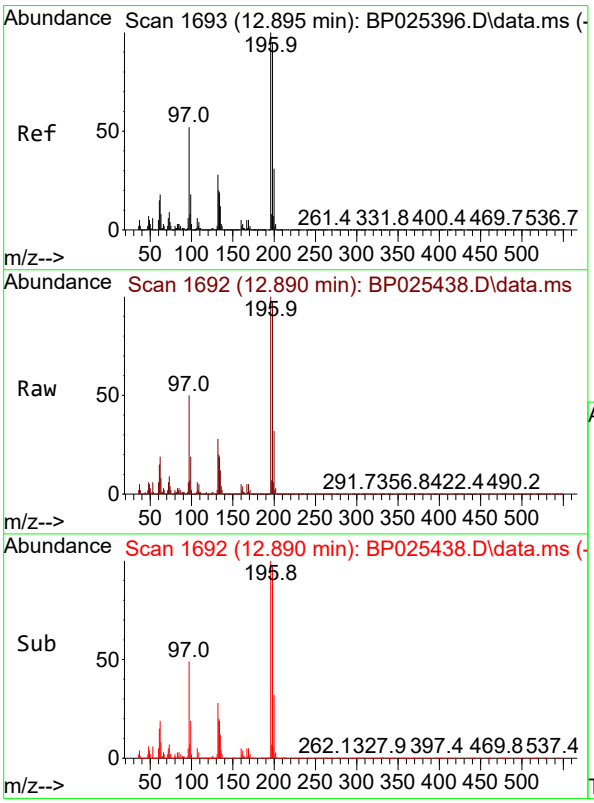


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

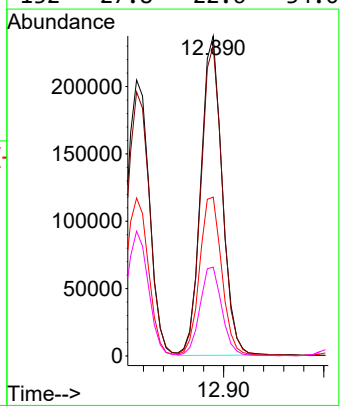
Supervised By :Jagrut Upadhyay
08/18/2025

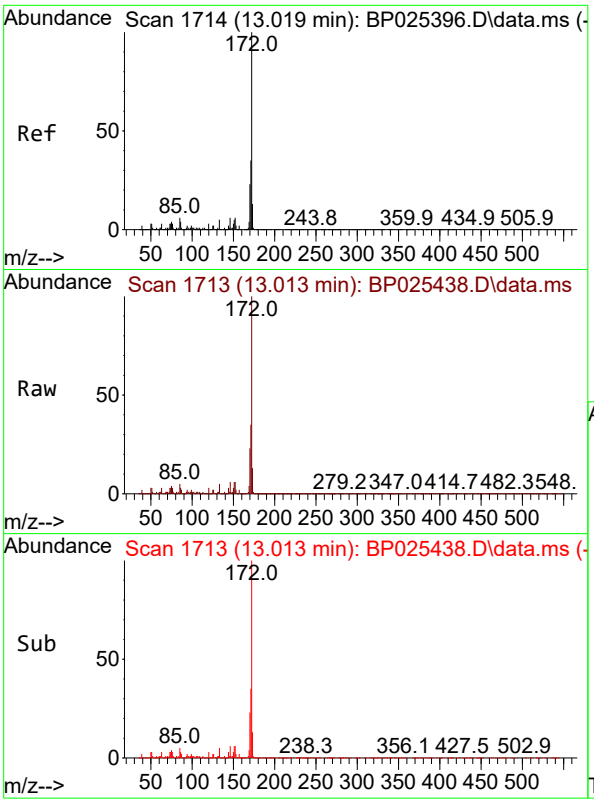


#44
2,4,5-Trichlorophenol
Concen: 41.395 ng
RT: 12.890 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:196 Resp: 350780

Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.2	114.2
97	49.7	41.2	61.8
132	27.8	22.6	34.0

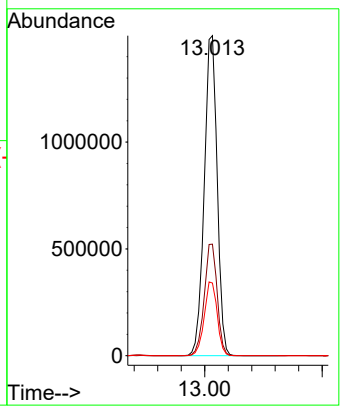




#45
2-Fluorobiphenyl
Concen: 78.687 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:172 Resp: 228313

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	22.7	18.6	28.0

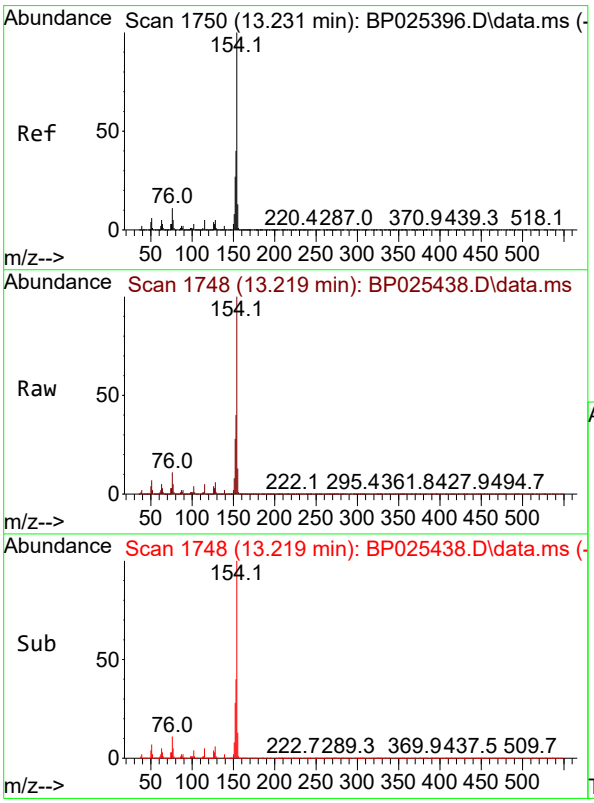


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

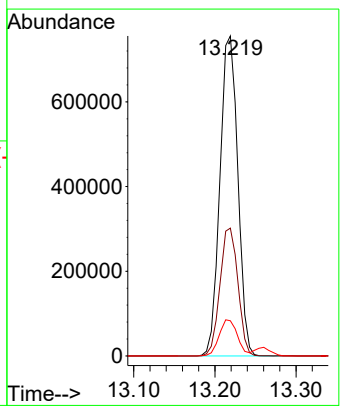
Supervised By :Jagrut Upadhyay
08/18/2025

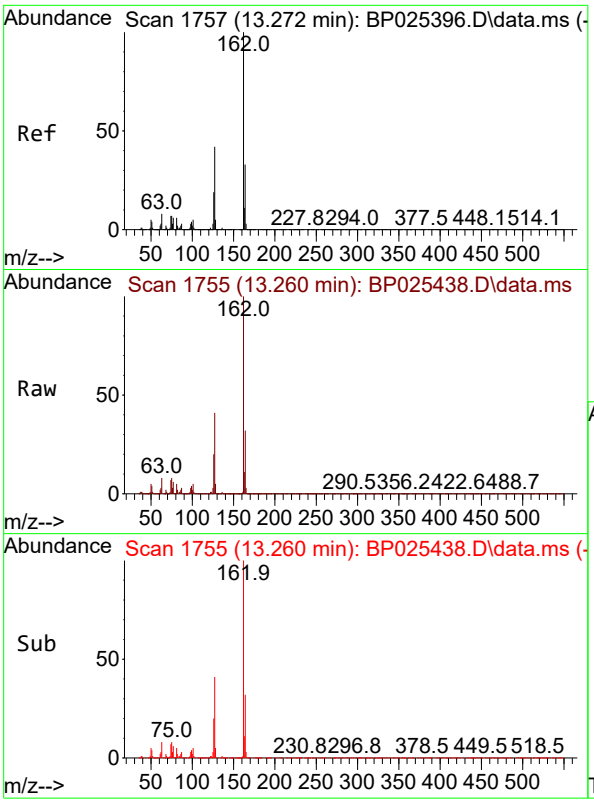


#46
1,1'-Biphenyl
Concen: 40.166 ng
RT: 13.219 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:154 Resp: 1156762

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.5	59.5
76	11.0	0.0	31.1

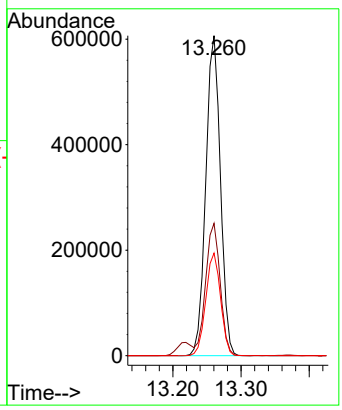




#47
2-Chloronaphthalene
Concen: 40.399 ng
RT: 13.260 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:162 Resp: 90574

Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.4	50.2
164	32.1	26.2	39.2

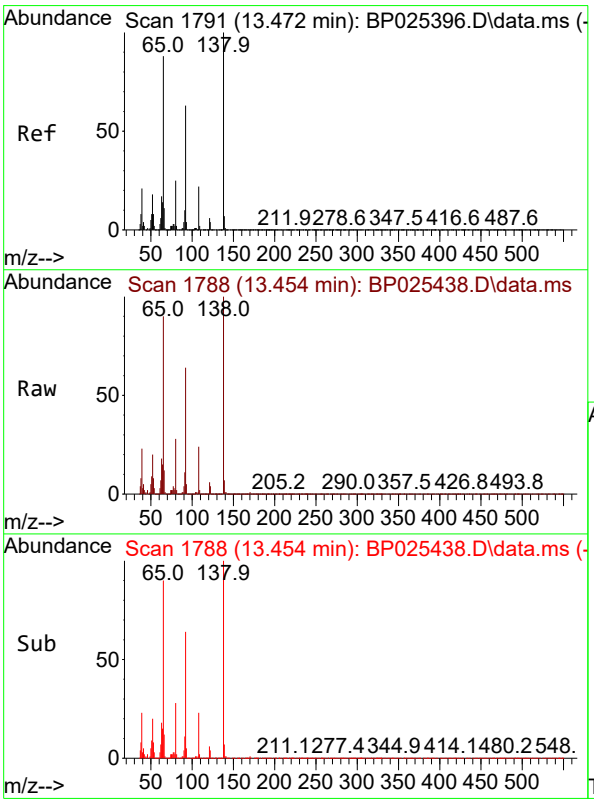


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

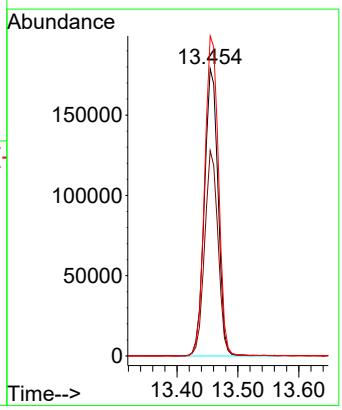
Supervised By :Jagrut Upadhyay
08/18/2025

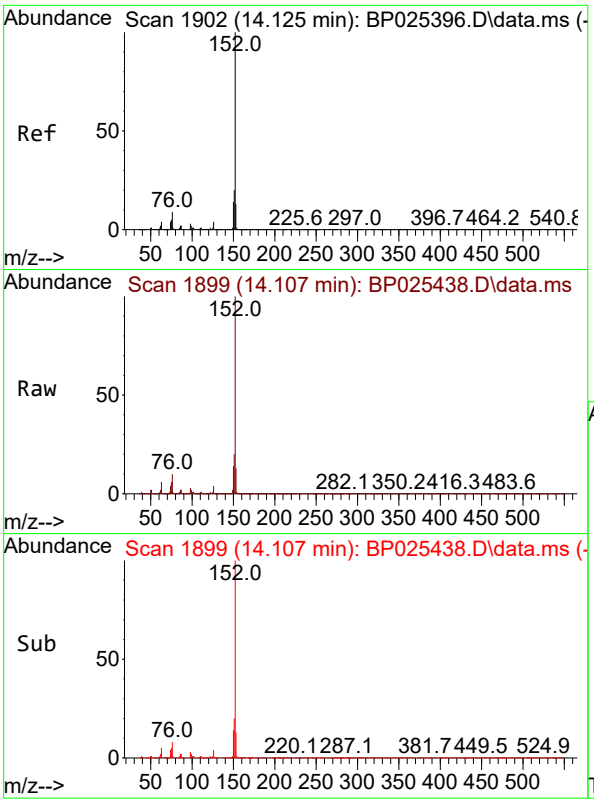


#48
2-Nitroaniline
Concen: 42.804 ng
RT: 13.454 min Scan# 1788
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 65 Resp: 279628

Ion	Ratio	Lower	Upper
65	100		
92	71.5	57.6	86.4
138	111.4	91.0	136.6

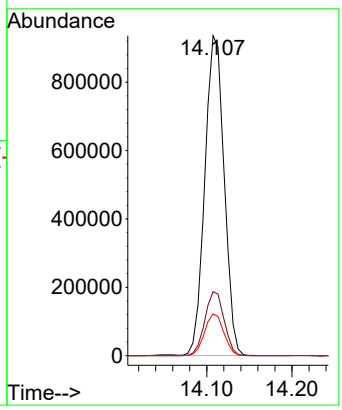




#49
Acenaphthylene
Concen: 39.722 ng
RT: 14.107 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:152 Resp: 147366

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.1	10.6	15.8

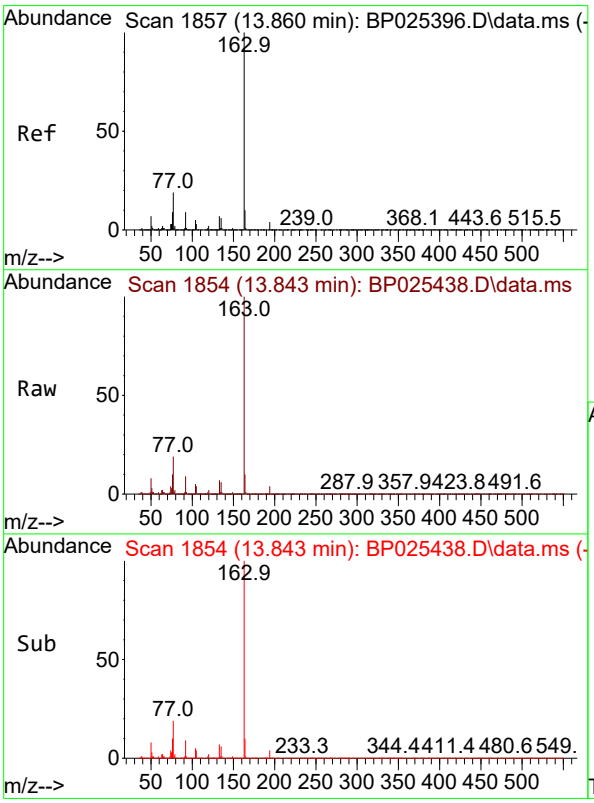


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

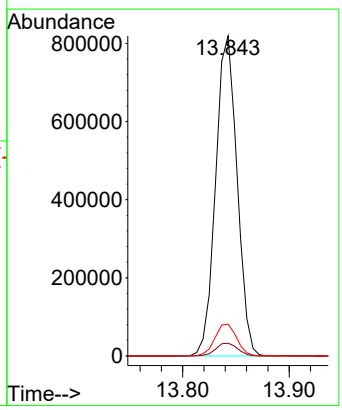
Supervised By :Jagrut Upadhyay
08/18/2025

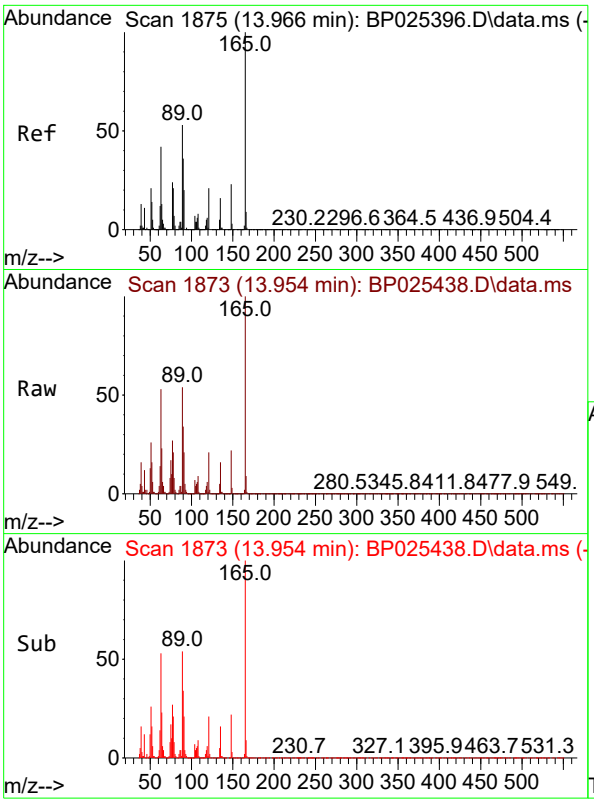


#50
Dimethylphthalate
Concen: 39.397 ng
RT: 13.843 min Scan# 1854
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:163 Resp: 1144041

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	9.9	7.9	11.9

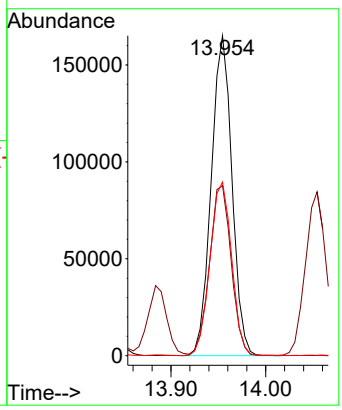




#51
2,6-Dinitrotoluene
Concen: 40.996 ng
RT: 13.954 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:165 Resp: 25091

Ion	Ratio	Lower	Upper
165	100		
63	53.1	40.9	61.3
89	54.2	42.1	63.1

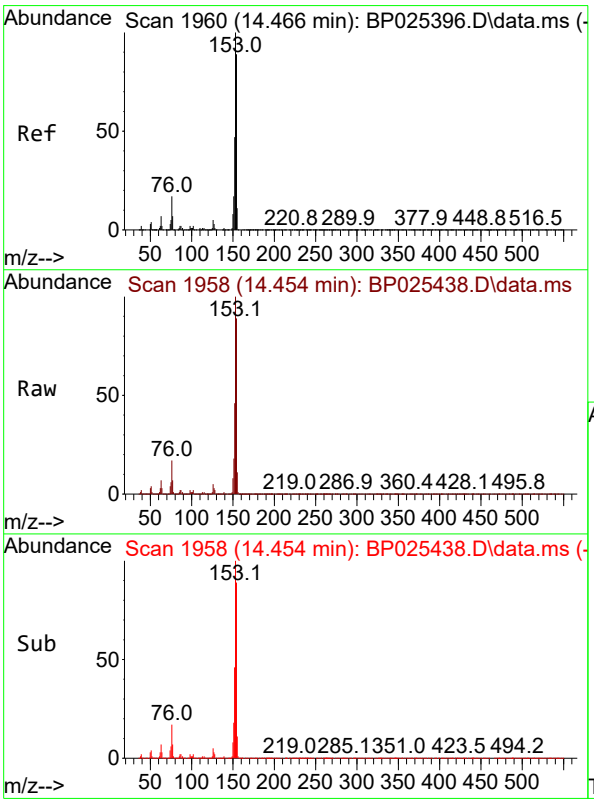


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

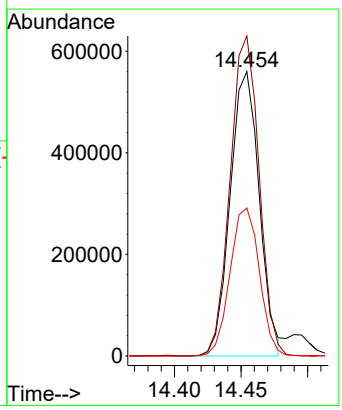
Supervised By :Jagrut Upadhyay
08/18/2025

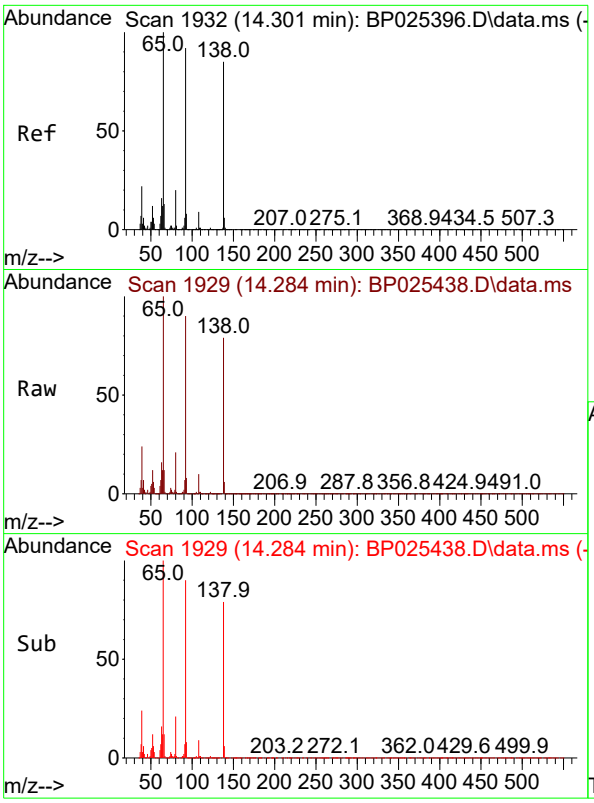


#52
Acenaphthene
Concen: 39.121 ng m
RT: 14.454 min Scan# 1958
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:154 Resp: 851925

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.2	135.2
152	52.1	42.1	63.1

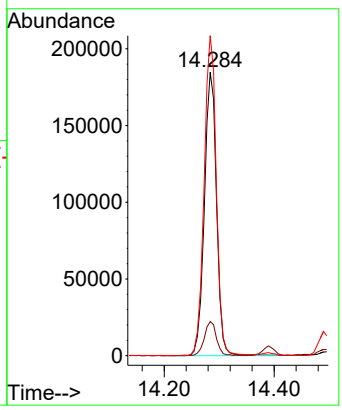




#53
3-Nitroaniline
Concen: 41.005 ng
RT: 14.284 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:138 Resp: 28236

Ion	Ratio	Lower	Upper
138	100		
108	12.0	8.3	12.5
92	112.9	86.2	129.2

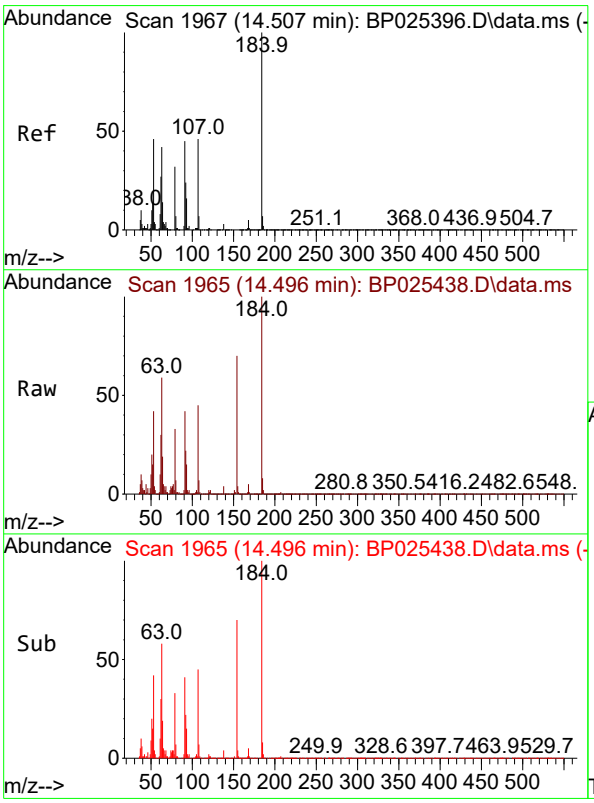


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

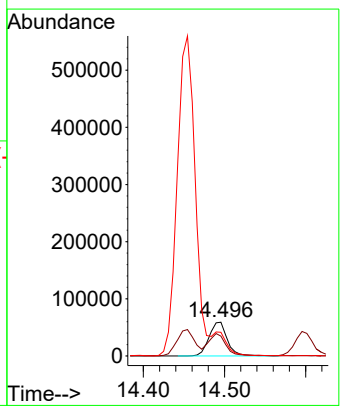
Supervised By :Jagrut Upadhyay
08/18/2025

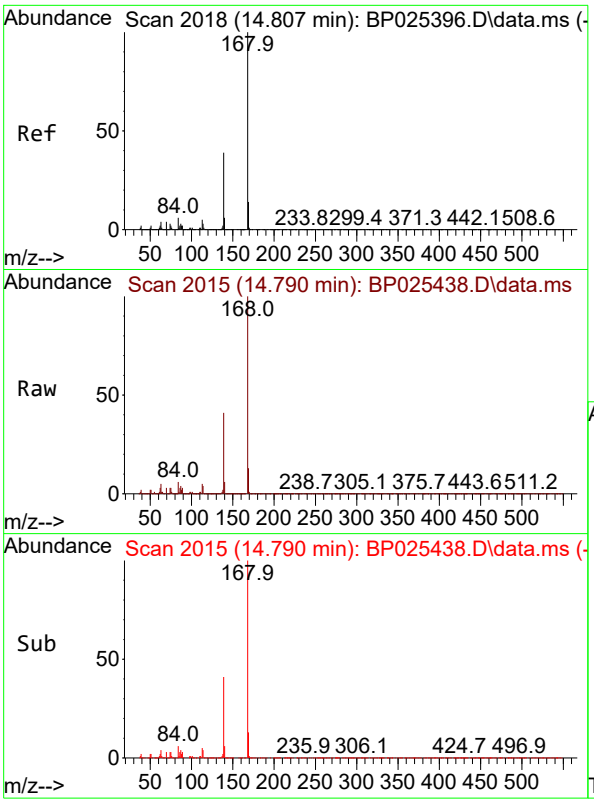


#54
2,4-Dinitrophenol
Concen: 28.210 ng
RT: 14.496 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:184 Resp: 92207

Ion	Ratio	Lower	Upper
184	100		
63	58.7	49.4	74.2
154	70.0	54.6	82.0

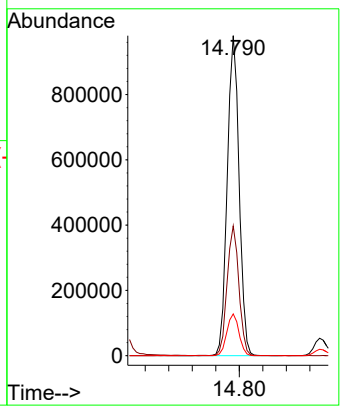




#55
Dibenzofuran
Concen: 39.732 ng
RT: 14.790 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:168 Resp: 136792

Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.5	47.3
169	13.1	10.9	16.3

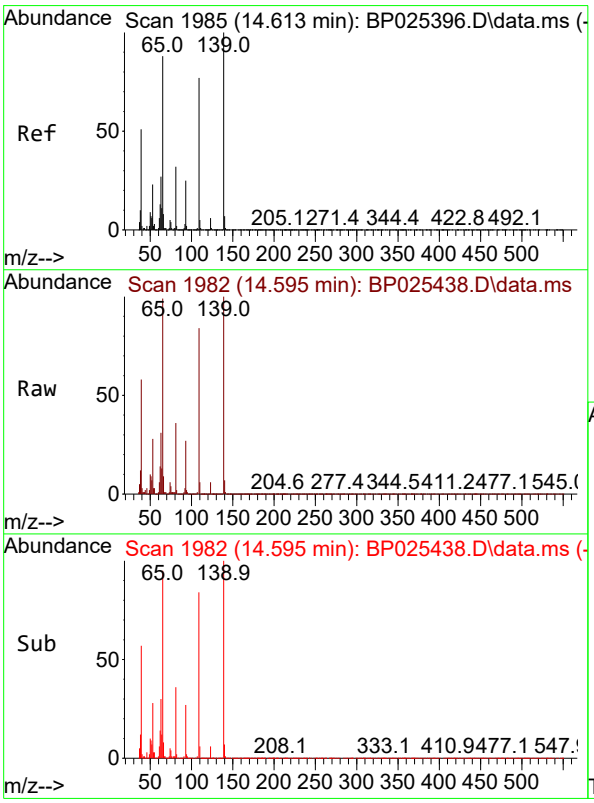


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

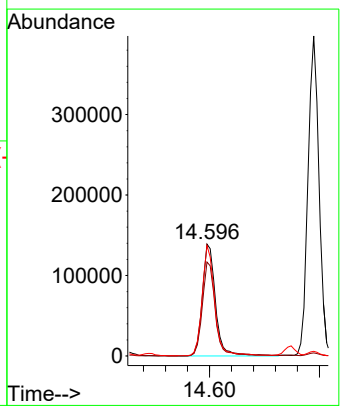
Supervised By :Jagrut Upadhyay
08/18/2025

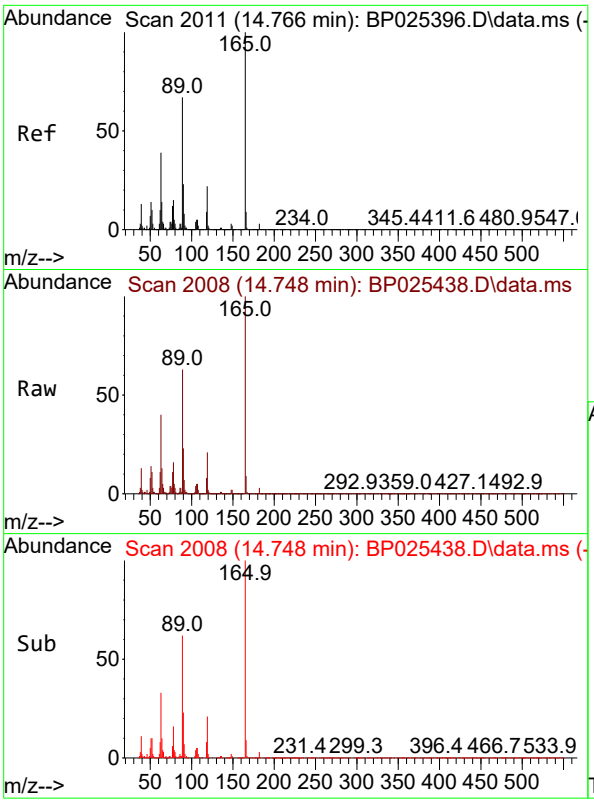


#56
4-Nitrophenol
Concen: 41.044 ng
RT: 14.595 min Scan# 1982
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:139 Resp: 232254

Ion	Ratio	Lower	Upper
139	100		
109	84.0	56.6	96.6
65	98.7	68.2	108.2

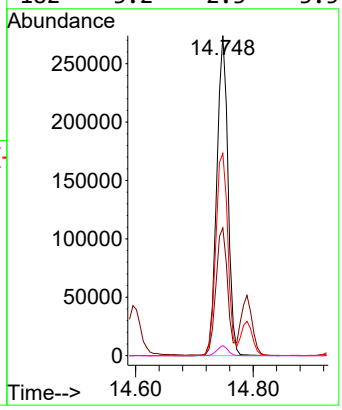




#57
2,4-Dinitrotoluene
Concen: 41.411 ng
RT: 14.748 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:165 Resp: 36161

Ion	Ratio	Lower	Upper
165	100		
63	40.0	31.4	47.2
89	63.2	53.3	79.9
182	3.2	2.3	3.5

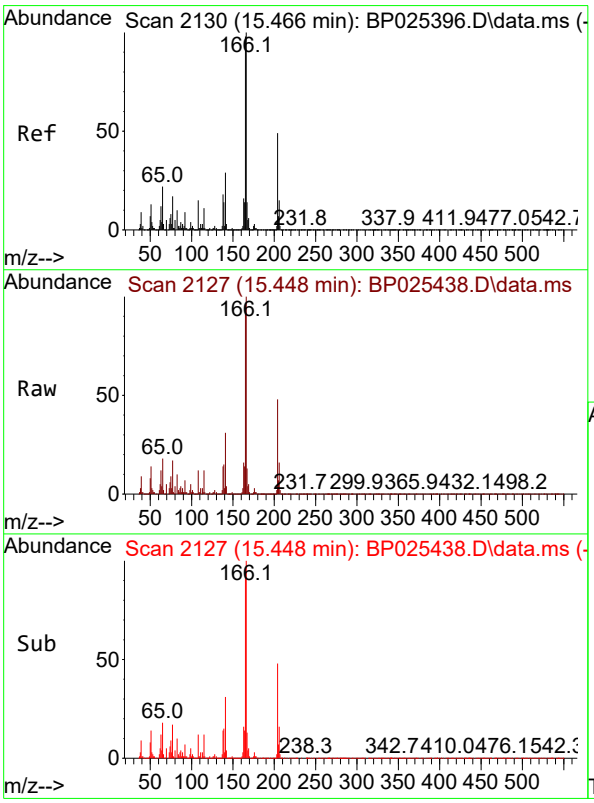


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

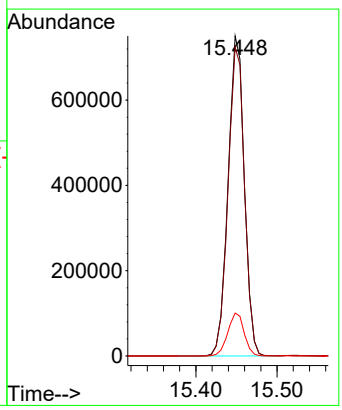
Supervised By :Jagrut Upadhyay
08/18/2025

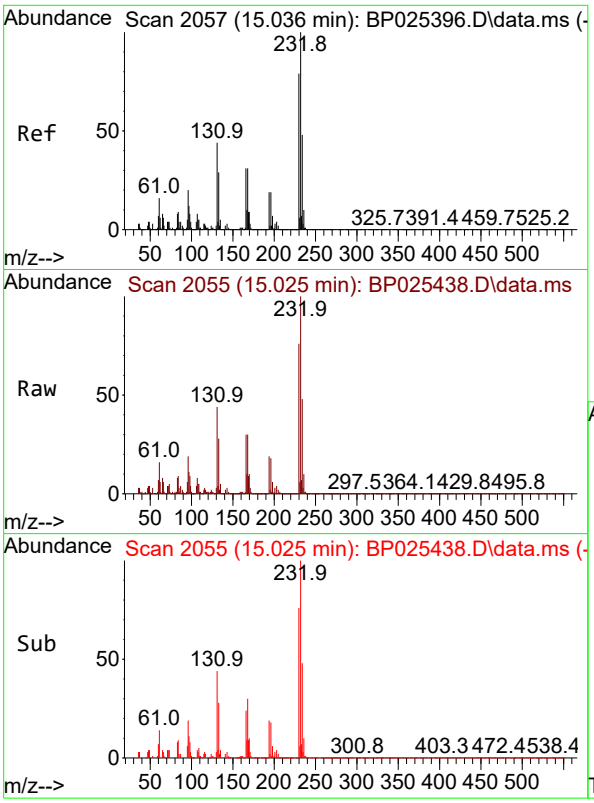


#58
Fluorene
Concen: 38.342 ng
RT: 15.448 min Scan# 2127
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:166 Resp: 1041631

Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.8	118.2
167	13.4	11.0	16.4

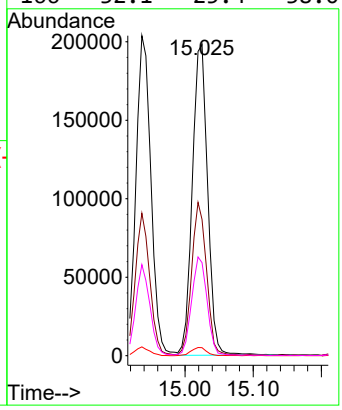




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.161 ng
RT: 15.025 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:232 Resp: 30798

Ion	Ratio	Lower	Upper
232	100		
131	47.6	37.0	55.6
130	2.7	1.9	2.9
166	32.1	25.4	38.0

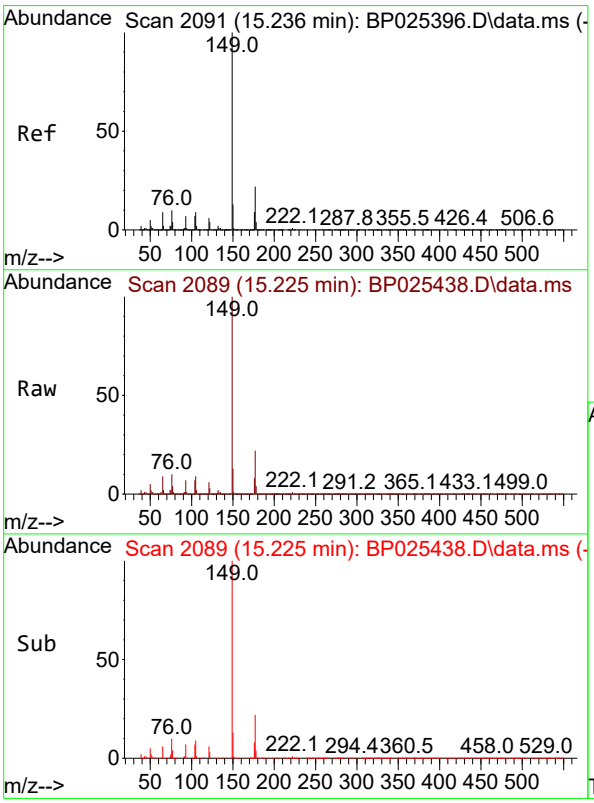


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

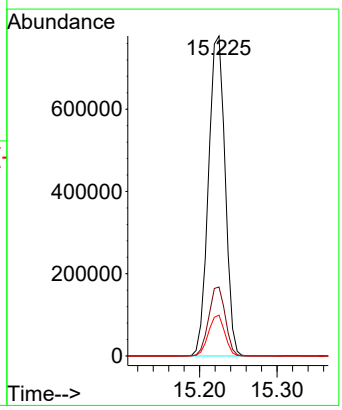
Supervised By :Jagrut Upadhyay
08/18/2025

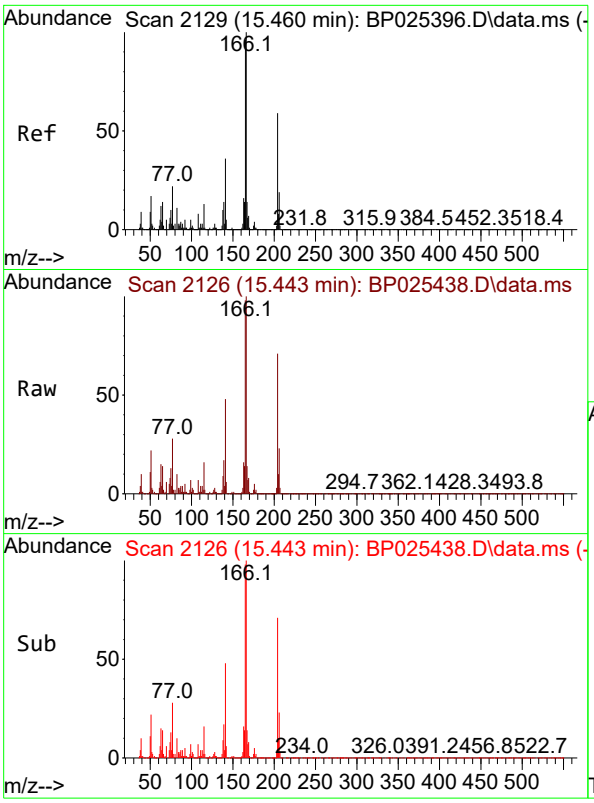


#60
Diethylphthalate
Concen: 39.291 ng
RT: 15.225 min Scan# 2089
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:149 Resp: 1159341

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.7	10.3	15.5

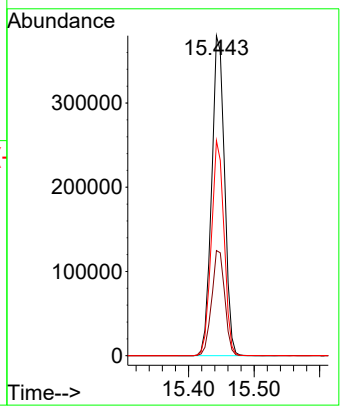




#61
4-Chlorophenyl-phenylether
Concen: 38.366 ng
RT: 15.443 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:204 Resp: 51836

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.8
141	67.2	49.4	74.2

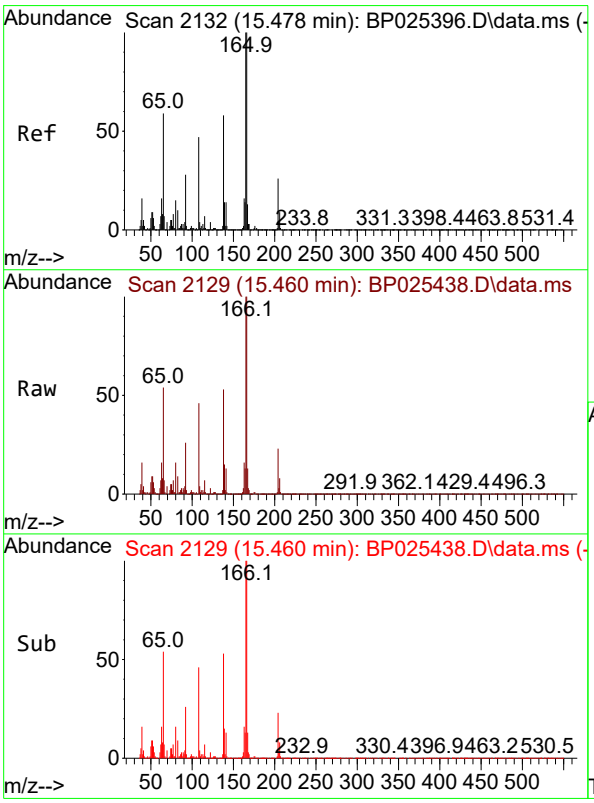


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

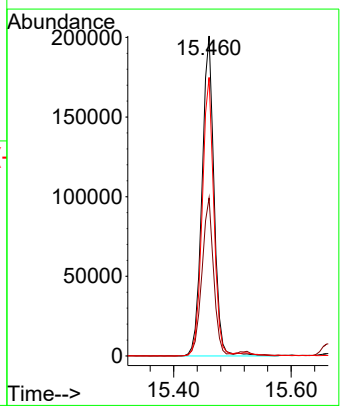
Supervised By :Jagrut Upadhyay
08/18/2025

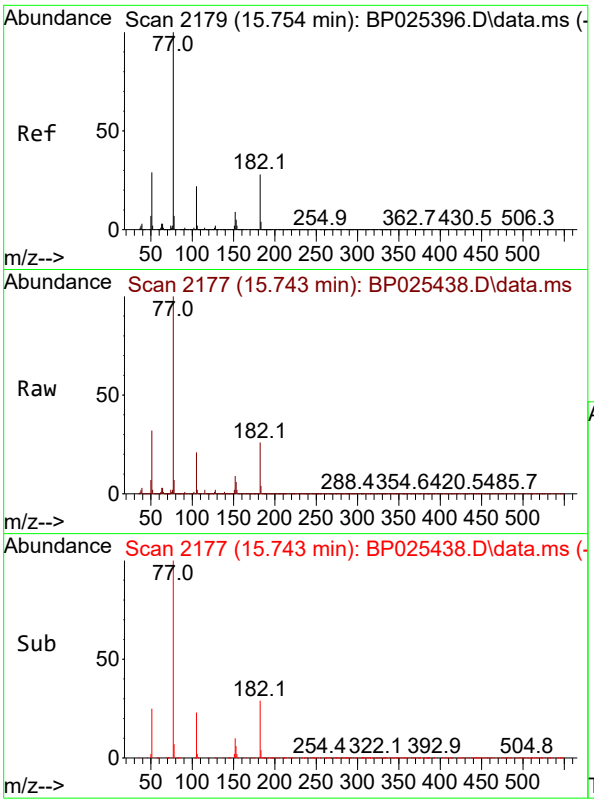


#62
4-Nitroaniline
Concen: 40.349 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:138 Resp: 284842

Ion	Ratio	Lower	Upper
138	100		
92	49.4	29.1	69.1
108	87.1	61.5	101.5

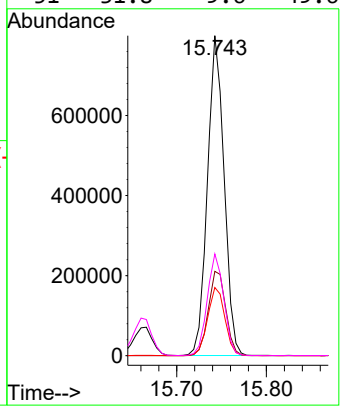




#63
Azobenzene
Concen: 40.738 ng
RT: 15.743 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion: 77 Resp: 102926

Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.5	47.5
105	21.3	2.1	42.1
51	31.8	9.6	49.6

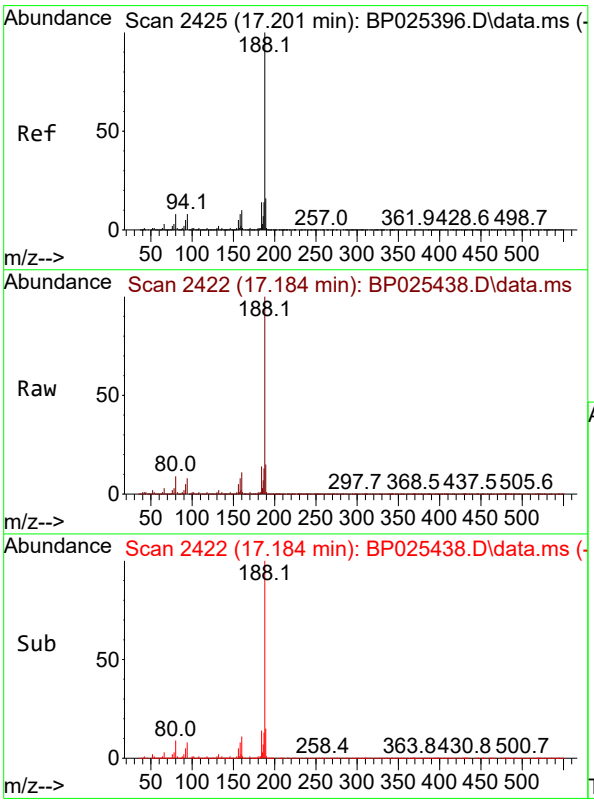


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

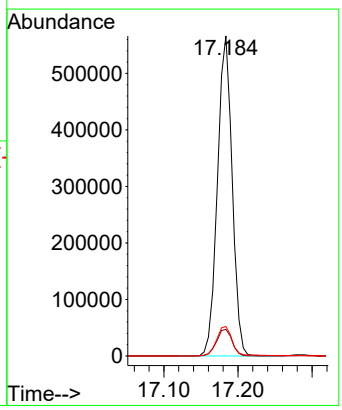
Supervised By :Jagrut Upadhyay
08/18/2025

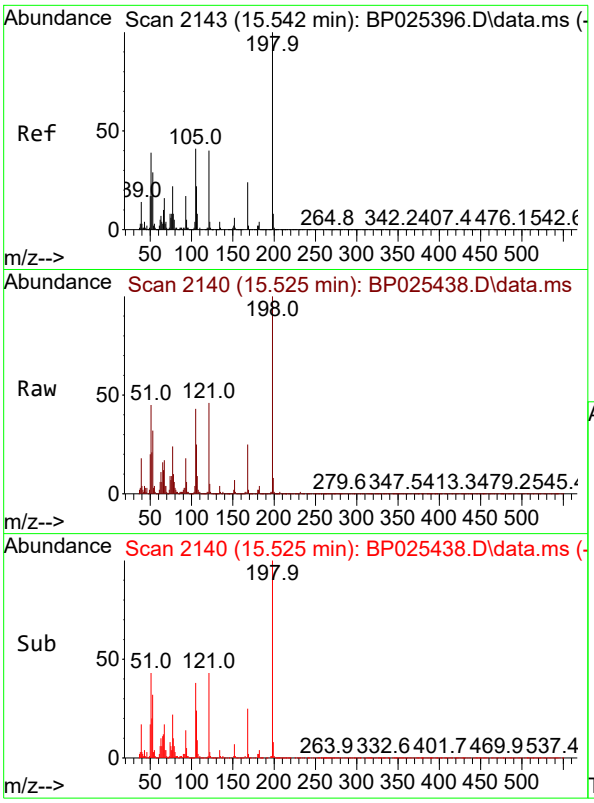


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.184 min Scan# 2422
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:188 Resp: 781208

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.2	6.7	10.1

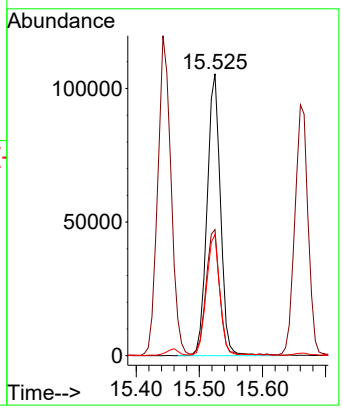




#65
4,6-Dinitro-2-methylphenol
Concen: 31.911 ng
RT: 15.525 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:198 Resp: 15539

Ion	Ratio	Lower	Upper
198	100		
51	44.7	19.6	59.6
105	43.0	20.9	60.9

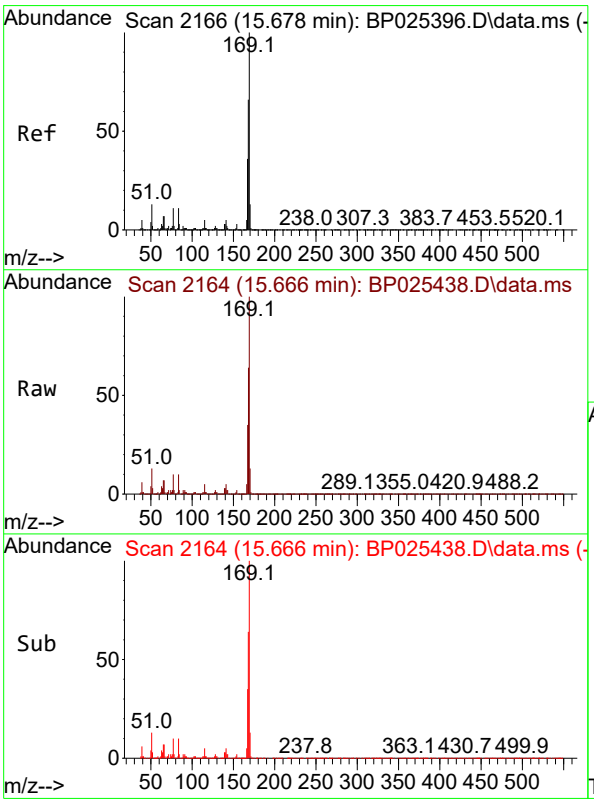


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

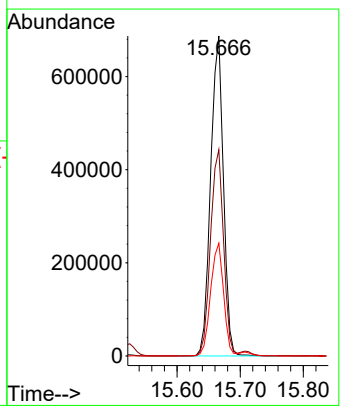
Supervised By :Jagrut Upadhyay
08/18/2025

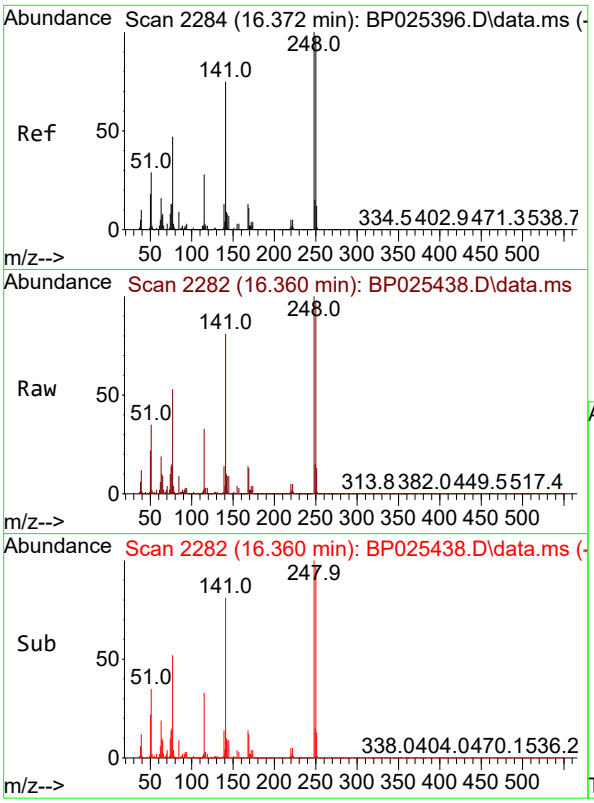


#66
n-Nitrosodiphenylamine
Concen: 40.446 ng
RT: 15.666 min Scan# 2164
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:169 Resp: 963506

Ion	Ratio	Lower	Upper
169	100		
168	64.5	53.2	79.8
167	35.2	28.7	43.1

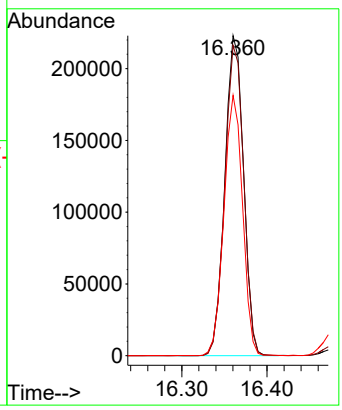




#67
4-Bromophenyl-phenylether
Concen: 39.706 ng
RT: 16.360 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:248 Resp: 34114

Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.2	117.2
141	81.3	59.6	89.4

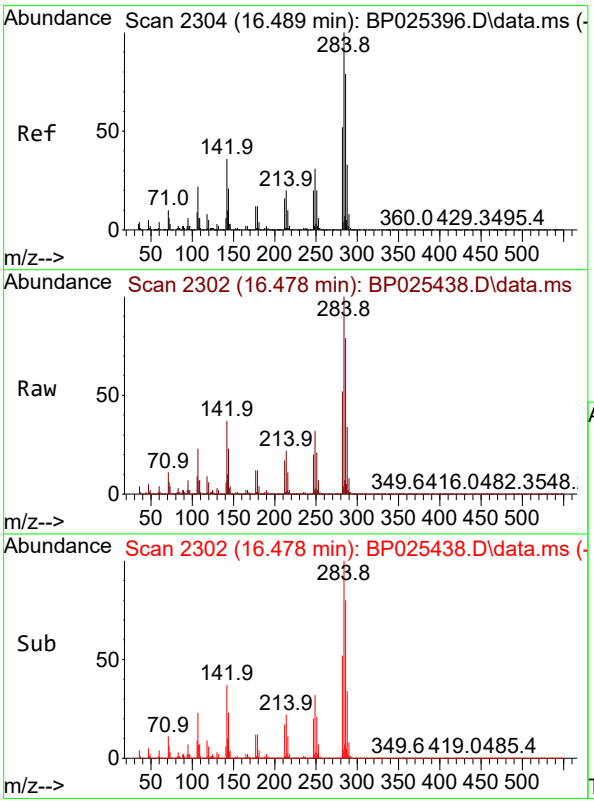


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

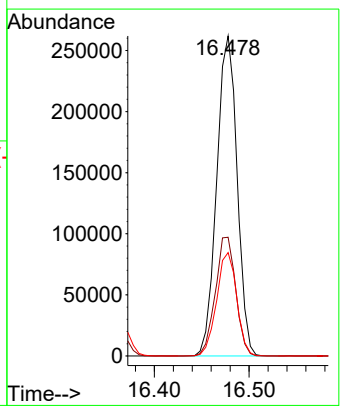
Supervised By :Jagrut Upadhyay
08/18/2025

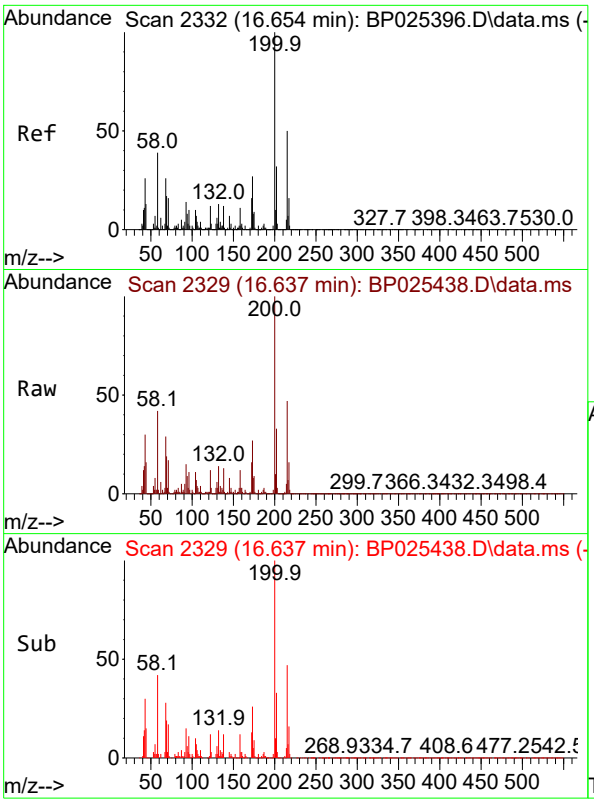


#68
Hexachlorobenzene
Concen: 39.328 ng
RT: 16.478 min Scan# 2302
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:284 Resp: 391691

Ion	Ratio	Lower	Upper
284	100		
142	37.1	29.1	43.7
249	32.3	25.0	37.4

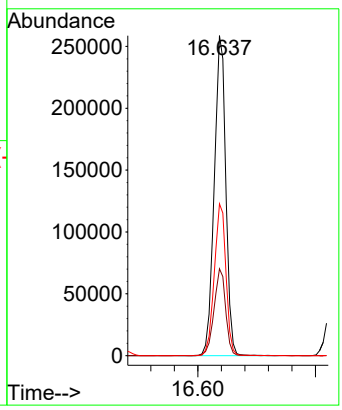




#69
Atrazine
Concen: 39.520 ng
RT: 16.637 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:200 Resp: 35257

Ion	Ratio	Lower	Upper
200	100		
173	27.2	6.7	46.7
215	47.4	29.7	69.7

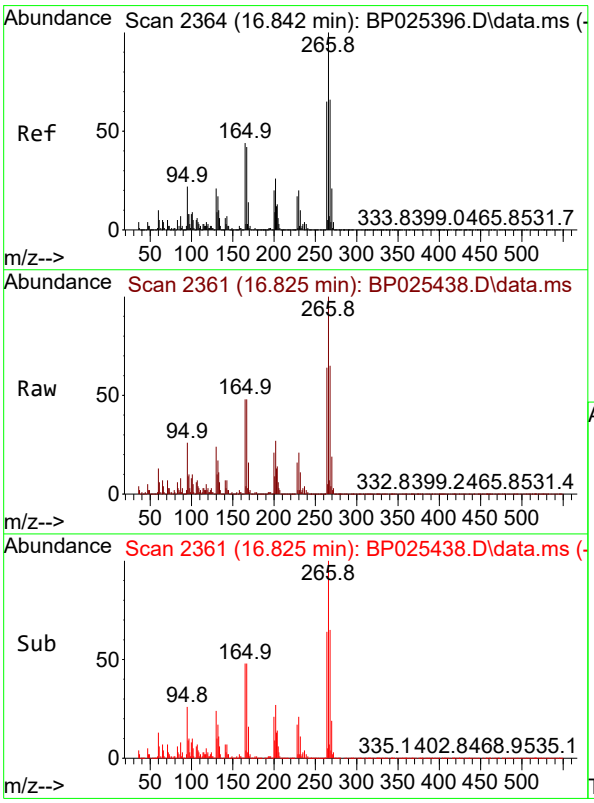


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

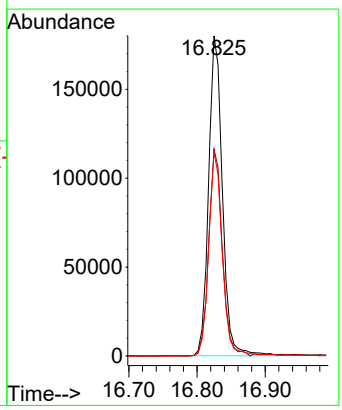
Supervised By :Jagrut Upadhyay
08/18/2025

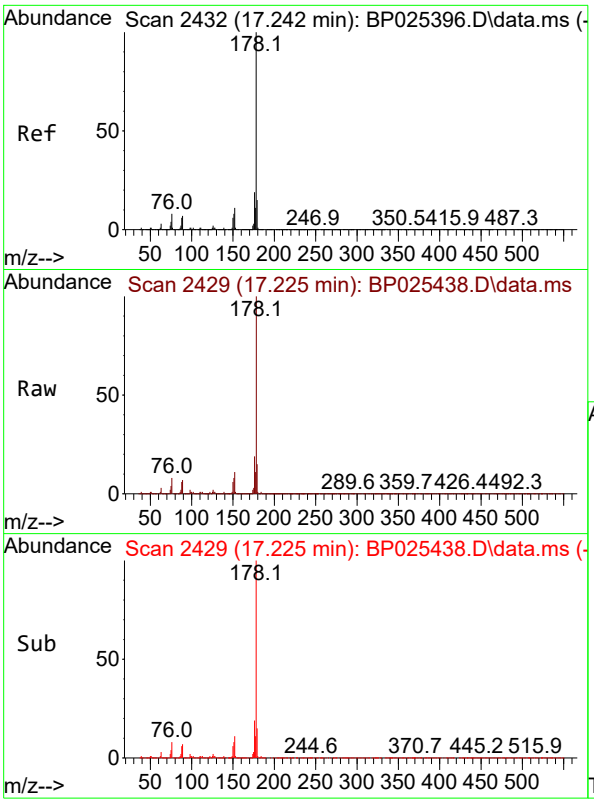


#70
Pentachlorophenol
Concen: 40.365 ng
RT: 16.825 min Scan# 2361
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:266 Resp: 253777

Ion	Ratio	Lower	Upper
266	100		
268	64.6	52.6	79.0
264	63.7	52.0	78.0

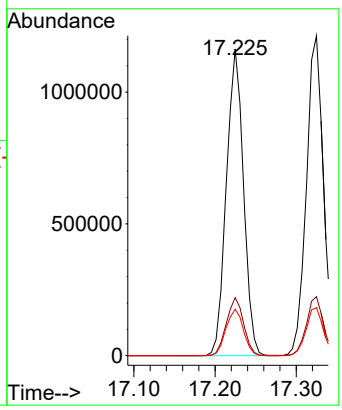




#71
Phenanthrene
Concen: 39.769 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.017 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:178 Resp: 170665

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.1	12.2	18.4

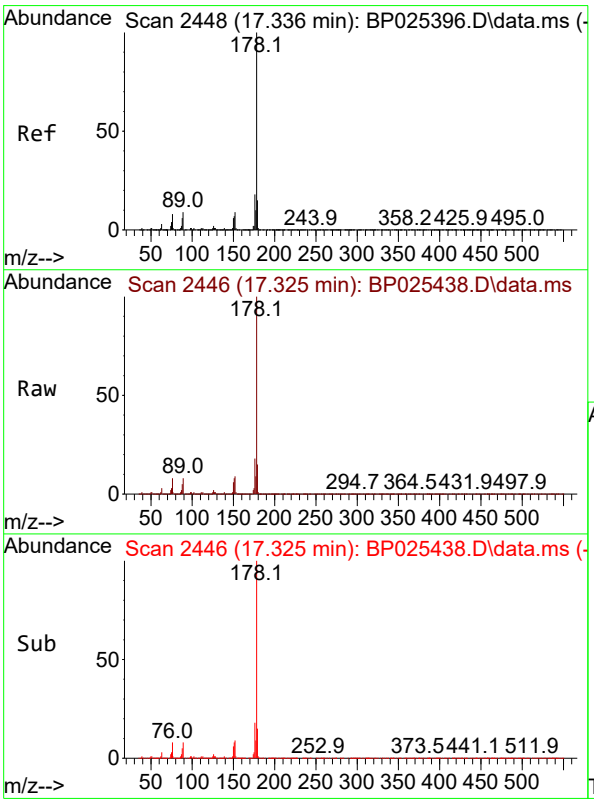


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

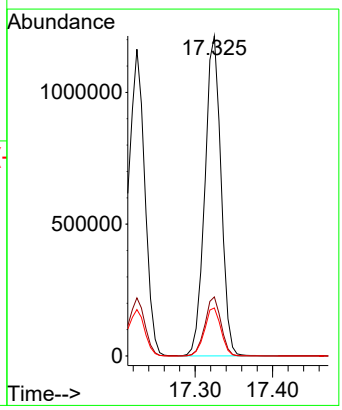
Supervised By :Jagrut Upadhyay
08/18/2025

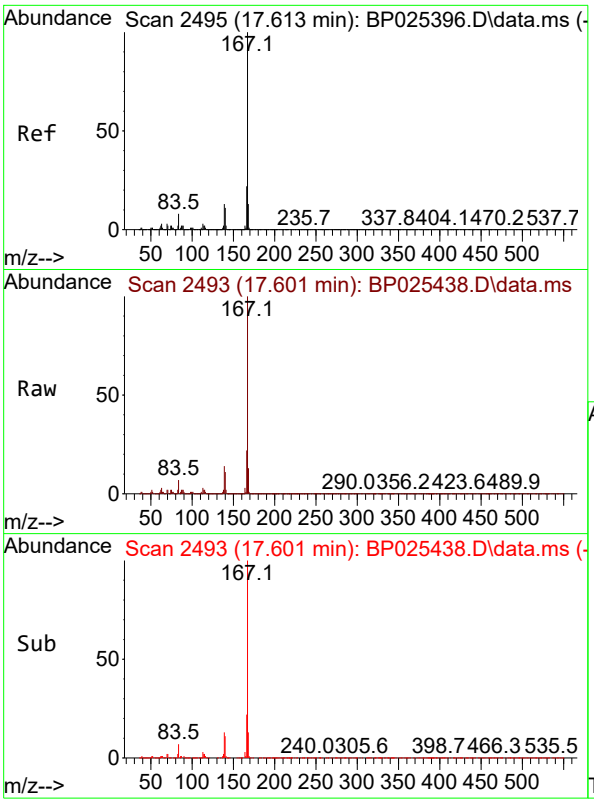


#72
Anthracene
Concen: 40.122 ng
RT: 17.325 min Scan# 2446
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:178 Resp: 1758329

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.0	12.2	18.2

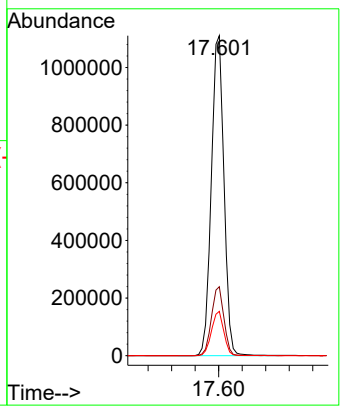




#73
Carbazole
Concen: 40.119 ng
RT: 17.601 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:167 Resp: 165605

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.9	10.6	16.0

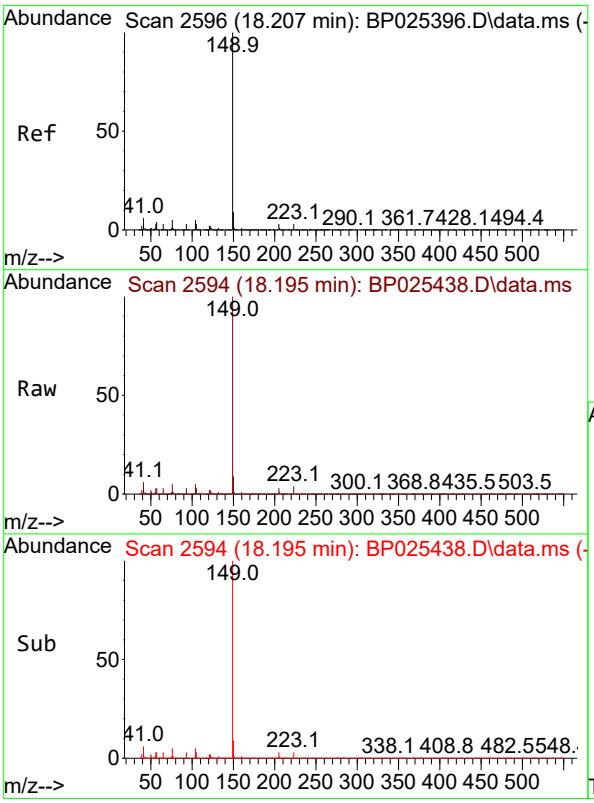


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

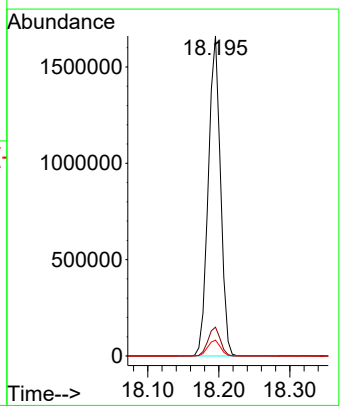
Supervised By :Jagrut Upadhyay
08/18/2025

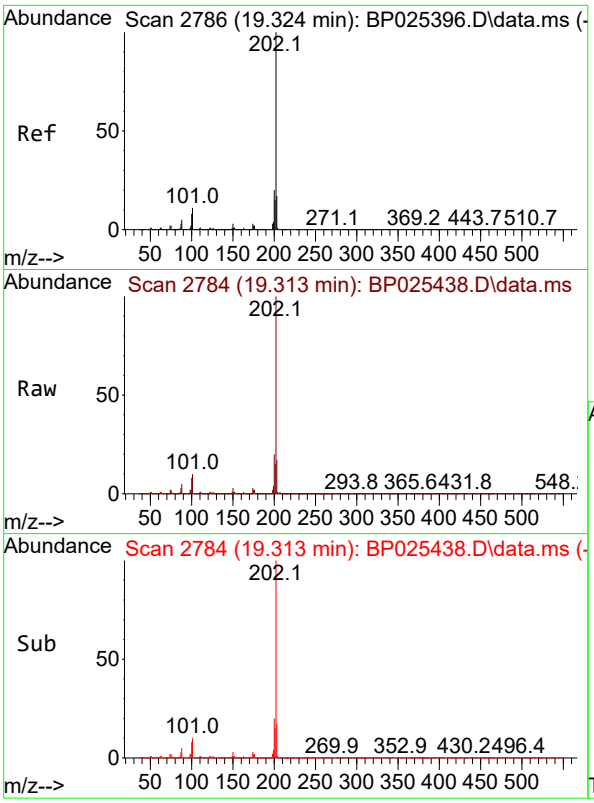


#74
Di-n-butylphthalate
Concen: 39.041 ng
RT: 18.195 min Scan# 2594
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:149 Resp: 1982745

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.0	4.2	6.2

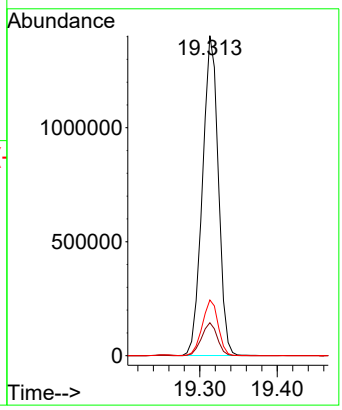




#75
Fluoranthene
Concen: 38.967 ng
RT: 19.313 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:202 Resp: 199467

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.1
203	17.4	0.0	37.3

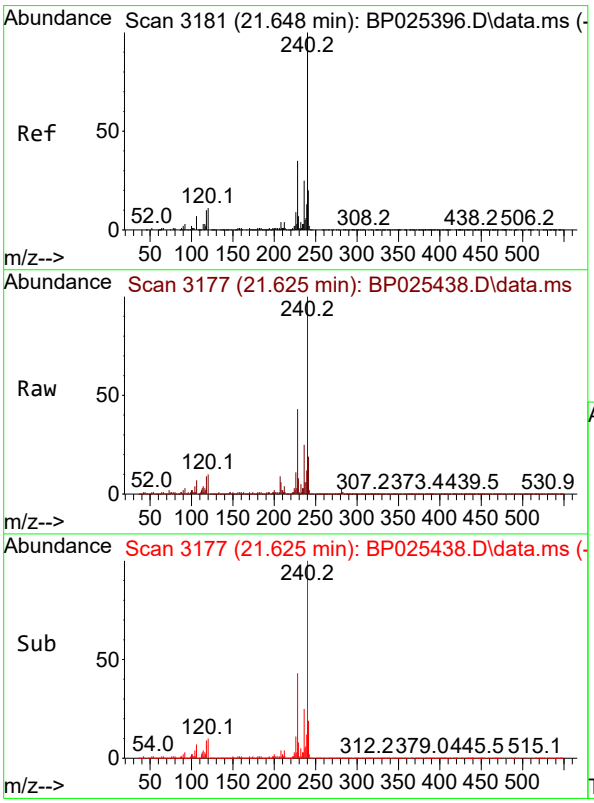


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

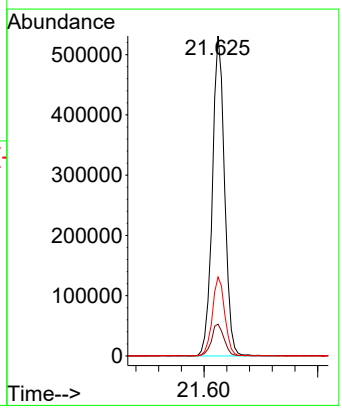
Supervised By :Jagrut Upadhyay
08/18/2025

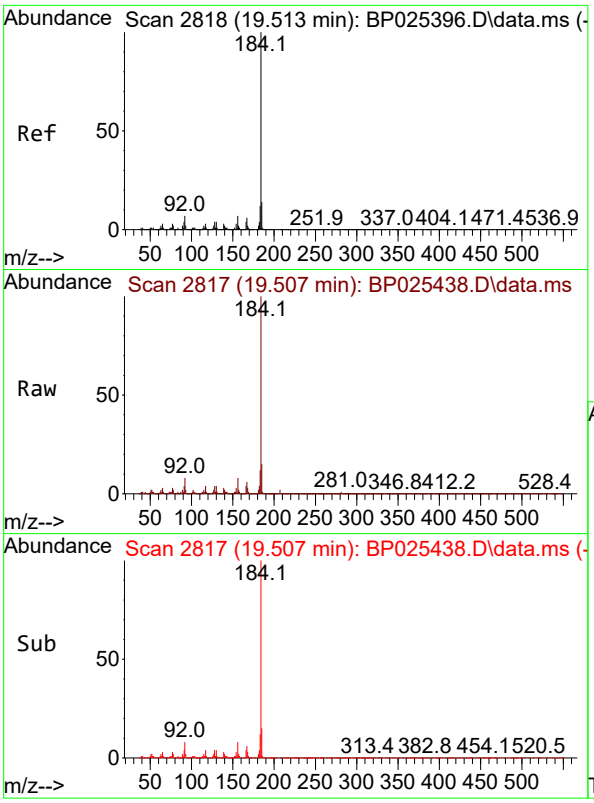


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.625 min Scan# 3177
Delta R.T. -0.023 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:240 Resp: 787537

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.9	13.3
236	24.6	19.8	29.8

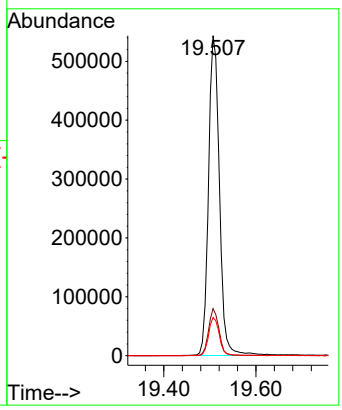




#77
Benzidine
Concen: 33.425 ng
RT: 19.507 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:184 Resp: 89837

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.9	9.4	14.2

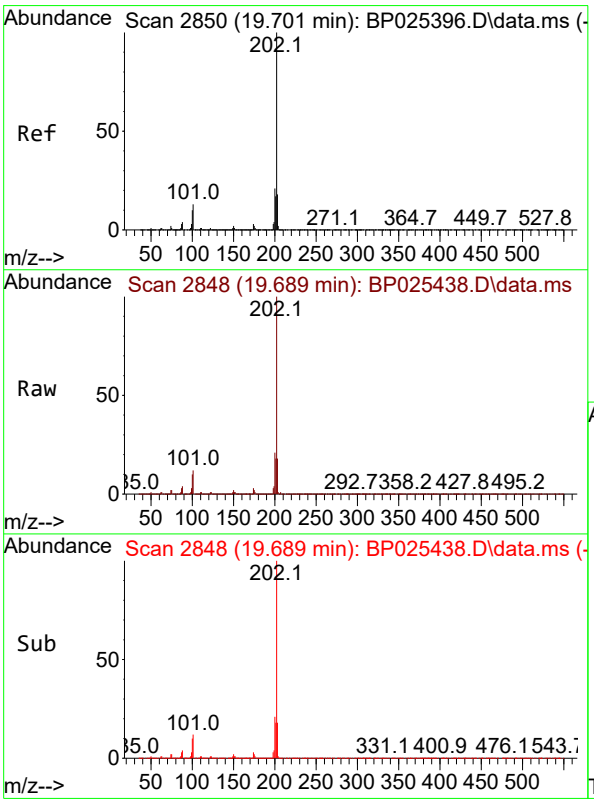


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

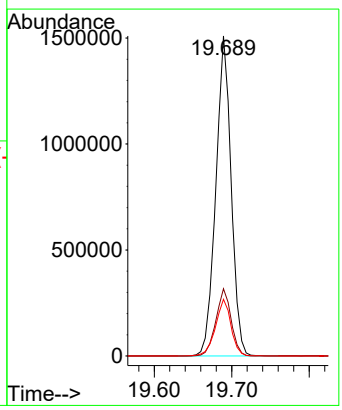
Supervised By :Jagrut Upadhyay
08/18/2025

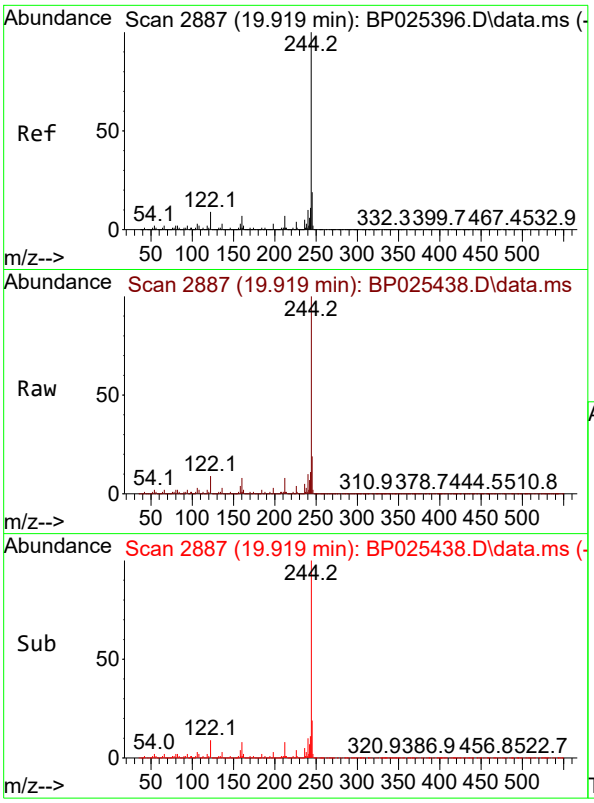


#78
Pyrene
Concen: 40.529 ng
RT: 19.689 min Scan# 2848
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:202 Resp: 2074601

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.7	14.2	21.2

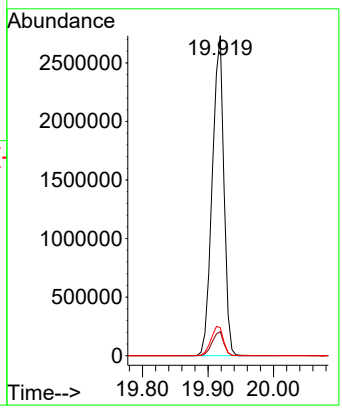




#79
Terphenyl-d14
Concen: 78.106 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:244 Resp: 336204

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	8.7	7.4	11.2

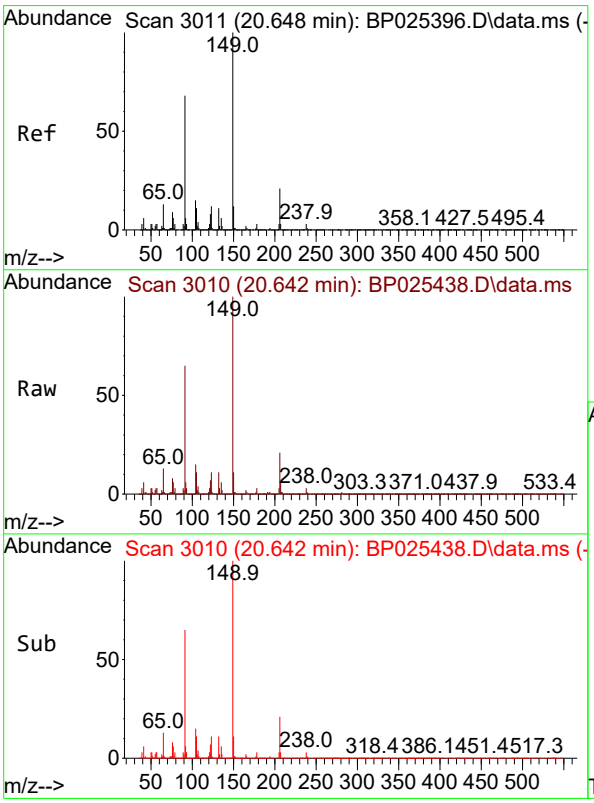


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

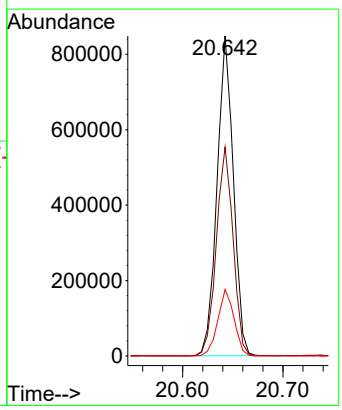
Supervised By :Jagrut Upadhyay
08/18/2025

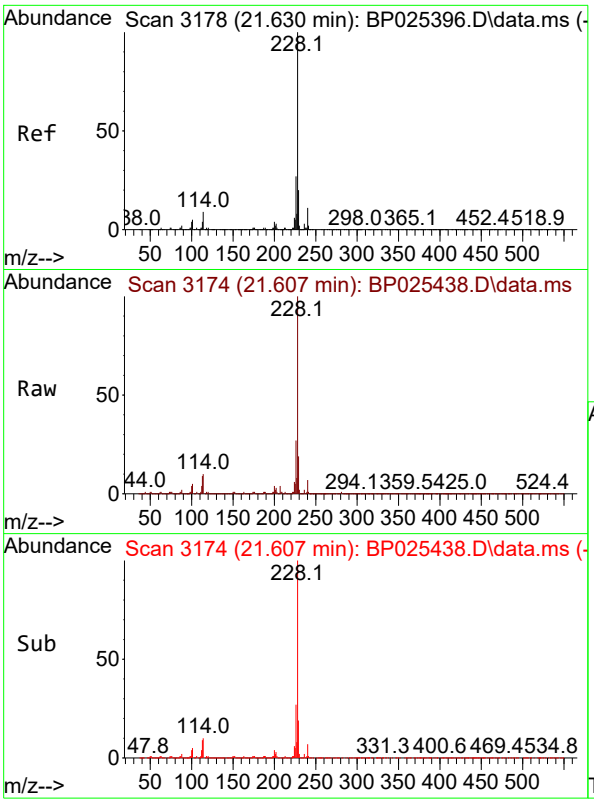


#80
Butylbenzylphthalate
Concen: 41.266 ng
RT: 20.642 min Scan# 3010
Delta R.T. -0.006 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:149 Resp: 957322

Ion	Ratio	Lower	Upper
149	100		
91	65.3	54.2	81.2
206	20.8	16.6	24.8

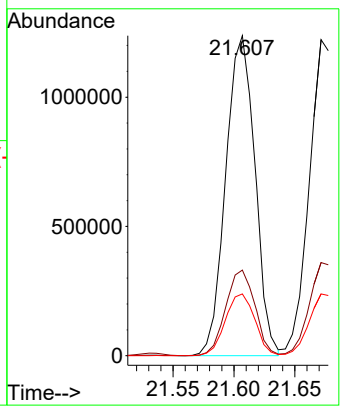




#81
Benzo(a)anthracene
Concen: 39.762 ng
RT: 21.607 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:228 Resp: 206519

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.7	32.5
229	19.3	15.6	23.4

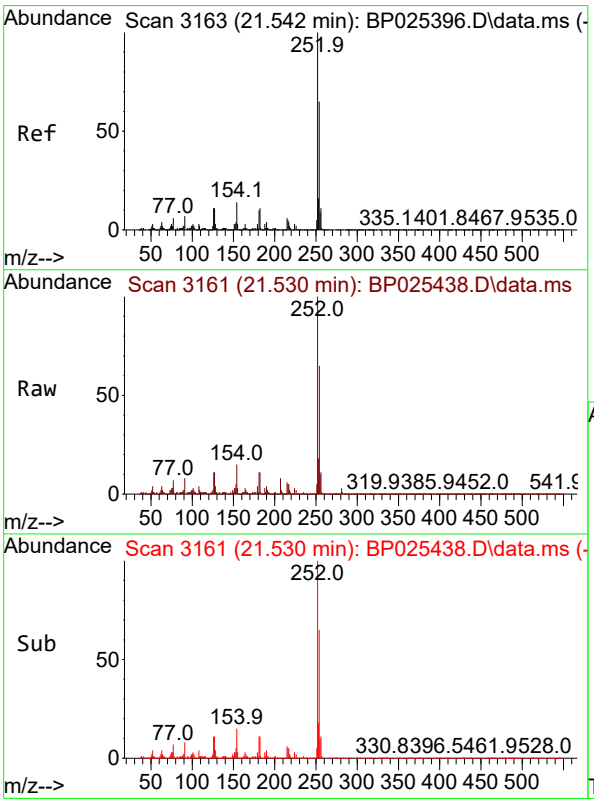


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

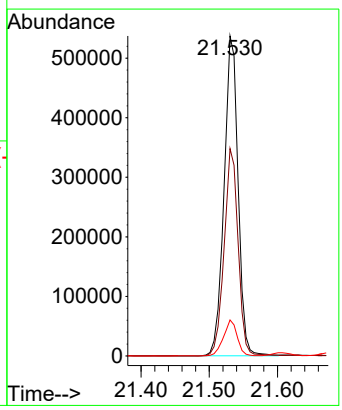
Supervised By :Jagrut Upadhyay
08/18/2025

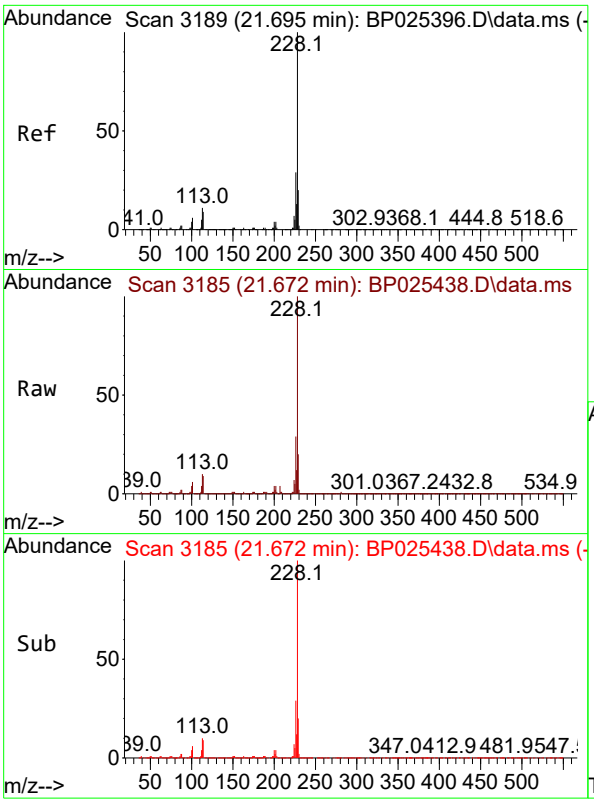


#82
3,3'-Dichlorobenzidine
Concen: 39.295 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:252 Resp: 769264

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.6
126	11.3	9.1	13.7

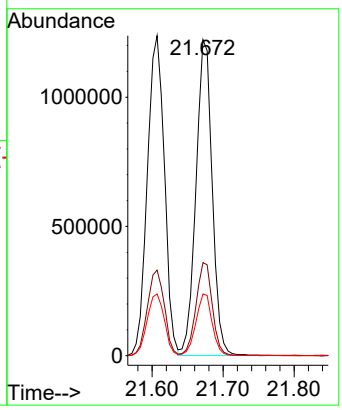




#83
Chrysene
Concen: 40.039 ng
RT: 21.672 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:228 Resp: 194751

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	19.6	15.6	23.4

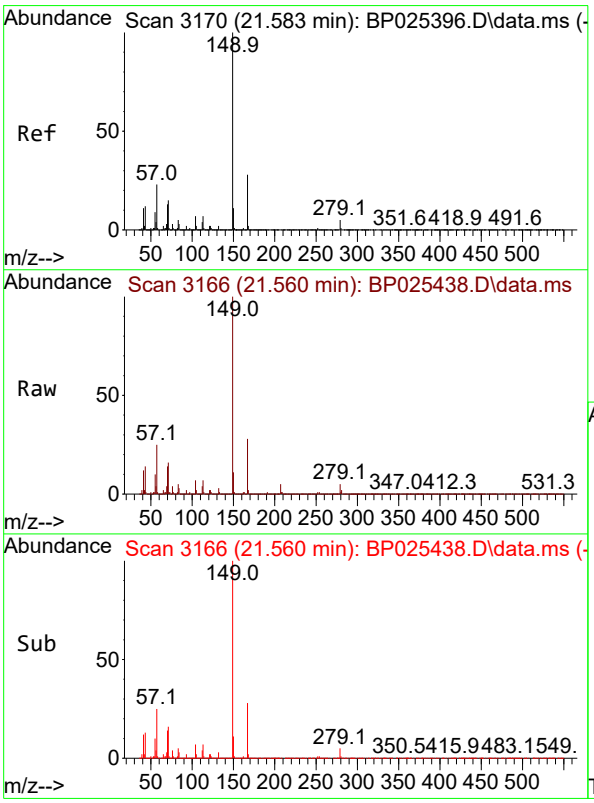


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

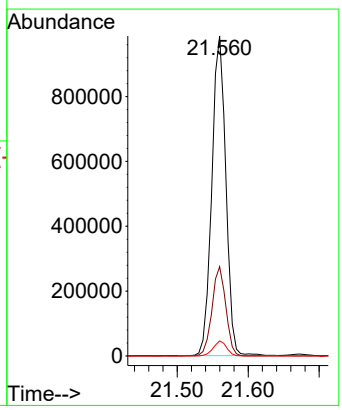
Supervised By :Jagrut Upadhyay
08/18/2025

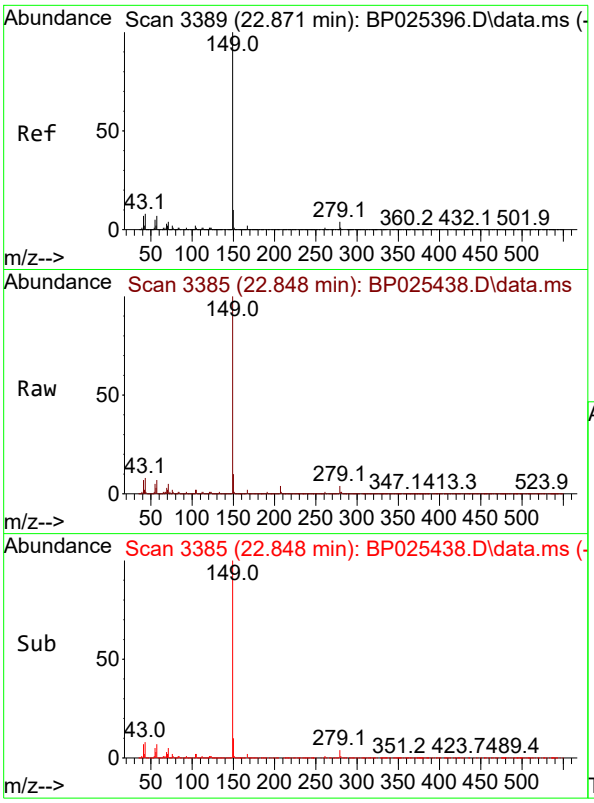


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.534 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.023 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:149 Resp: 1350073

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	4.7	3.8	5.6

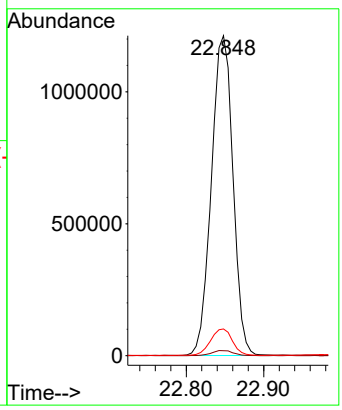




#85
Di-n-octyl phthalate
Concen: 39.902 ng
RT: 22.848 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:149 Resp: 234380

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	8.4	6.3	9.5

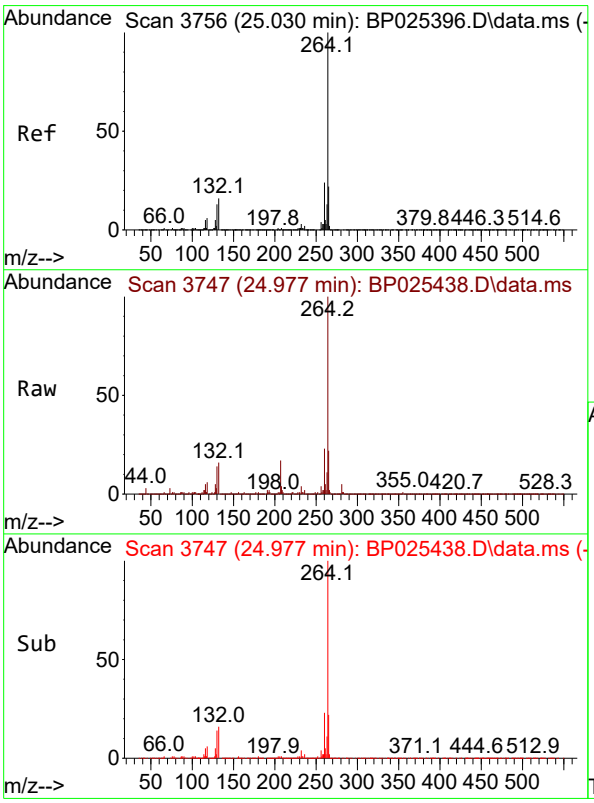


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

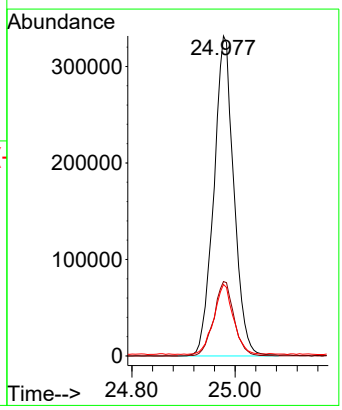
Supervised By :Jagrut Upadhyay
08/18/2025

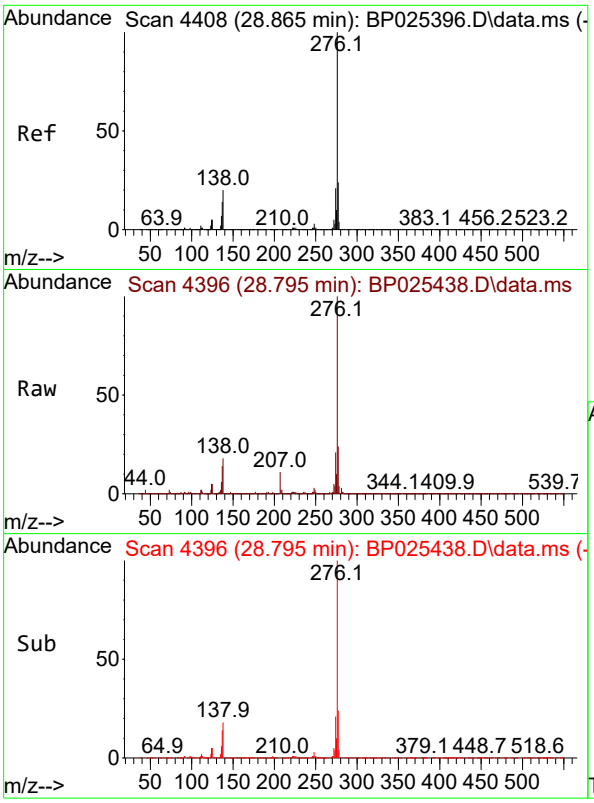


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.977 min Scan# 3747
Delta R.T. -0.053 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:264 Resp: 892738

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	22.3	17.4	26.0

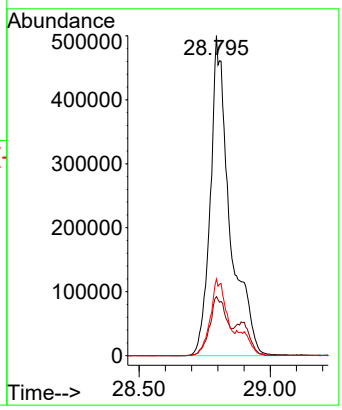




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.516 ng
RT: 28.795 min Scan# 4
Delta R.T. -0.070 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:276 Resp: 258710

Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.9	19.3
277	20.3	17.0	25.6

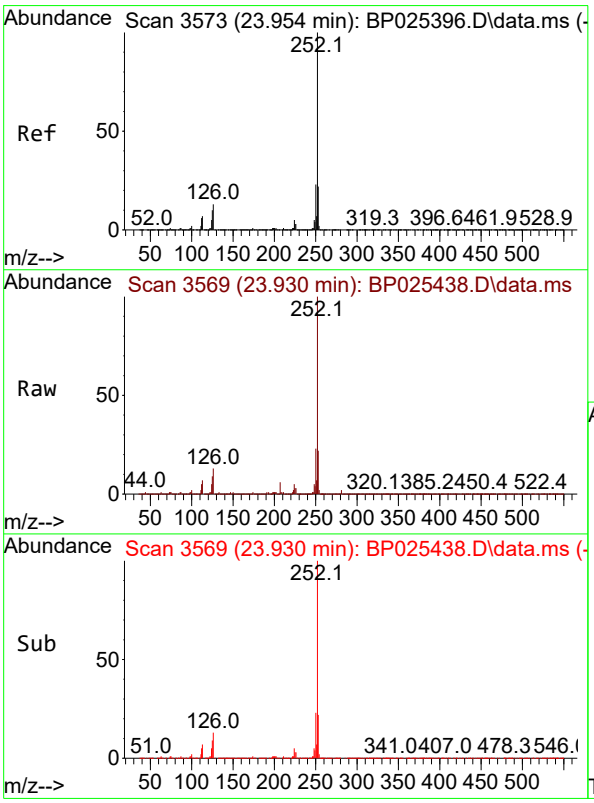


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

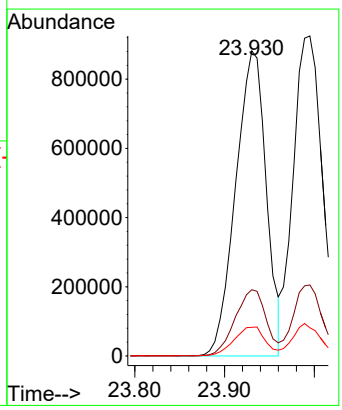
Supervised By :Jagrut Upadhyay
08/18/2025

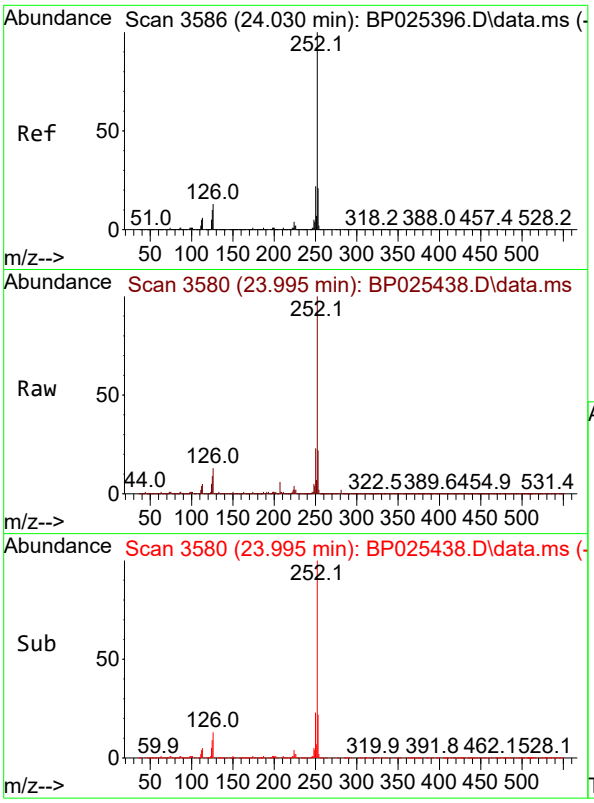


#88
Benzo(b)fluoranthene
Concen: 39.637 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.023 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:252 Resp: 2086584

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.4	7.9	11.9

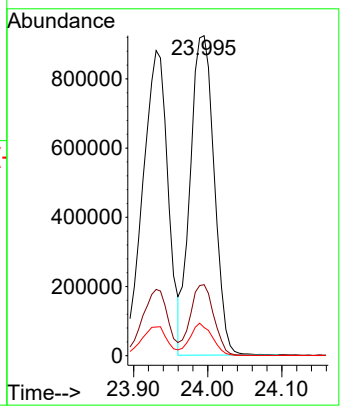




#89
Benzo(k)fluoranthene
Concen: 39.376 ng
RT: 23.995 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:252 Resp: 207425

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	8.8	7.8	11.6

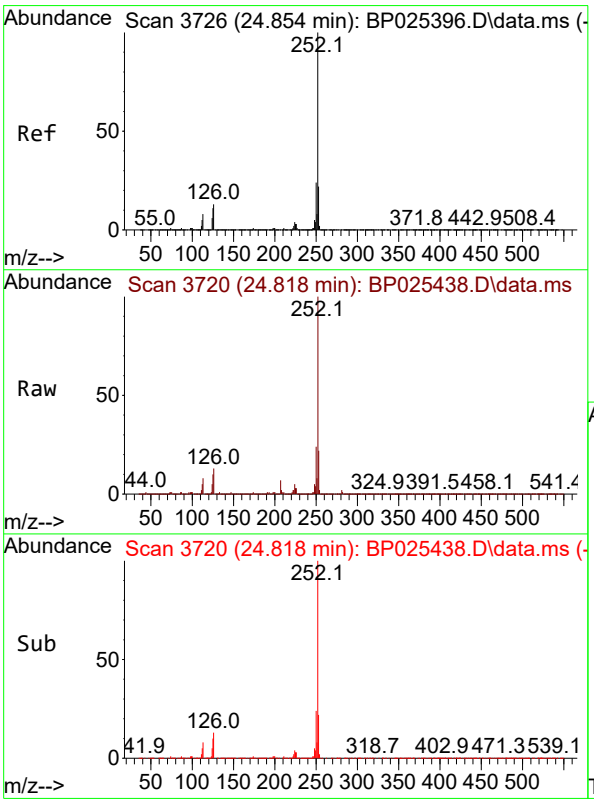


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

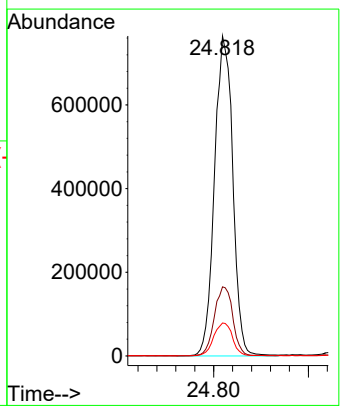
Supervised By :Jagrut Upadhyay
08/18/2025

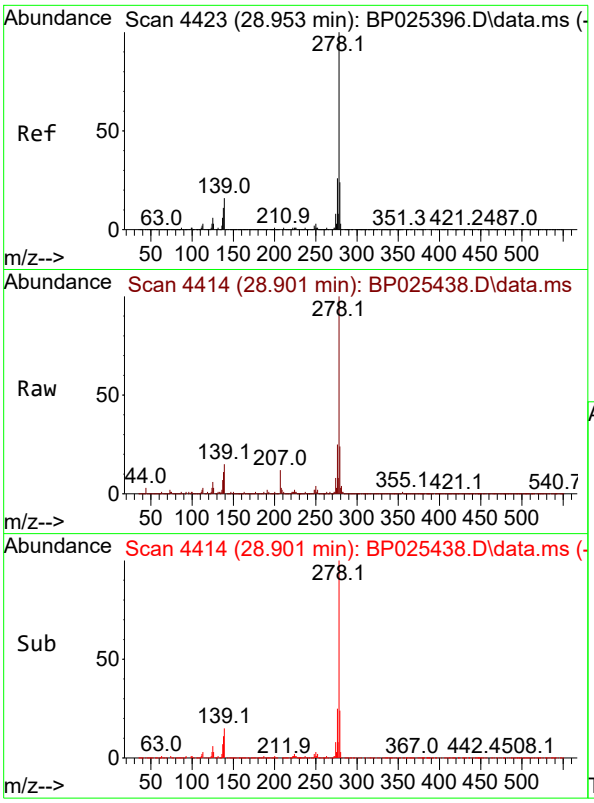


#90
Benzo(a)pyrene
Concen: 39.898 ng
RT: 24.818 min Scan# 3720
Delta R.T. -0.035 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:252 Resp: 2044487

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.3	8.7	13.1

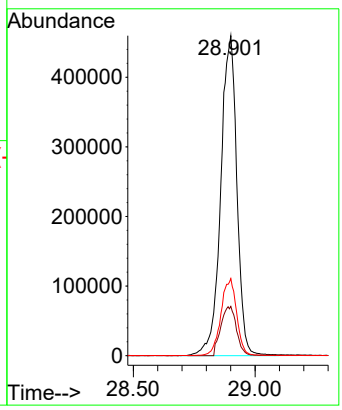




#91
Dibenzo(a,h)anthracene
Concen: 39.719 ng
RT: 28.901 min Scan# 44
Delta R.T. -0.053 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:278 Resp: 212507

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.4
279	24.1	19.4	29.2

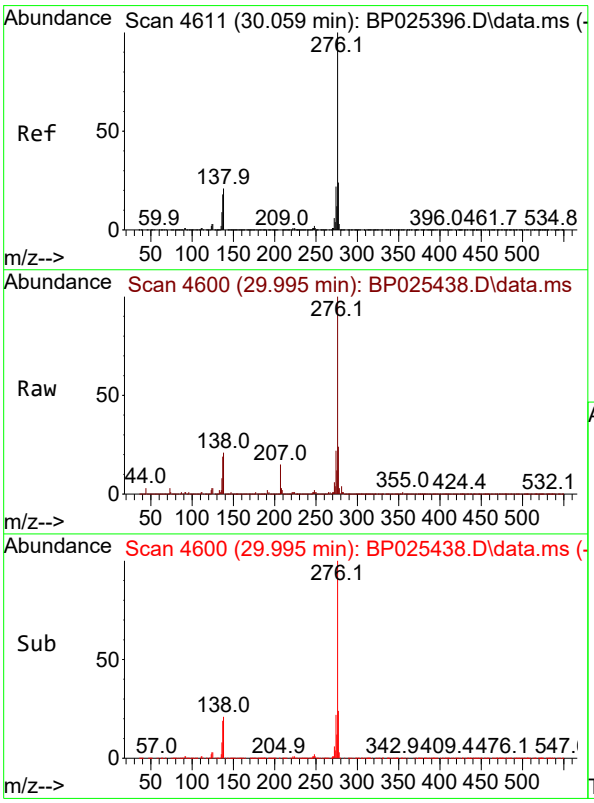


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

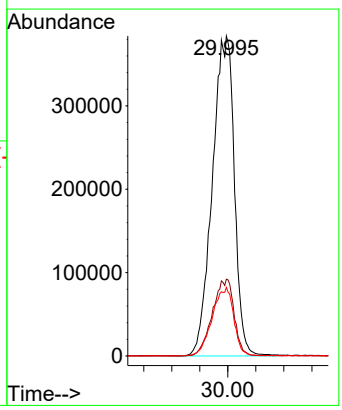
Supervised By :Jagrut Upadhyay
08/18/2025



#92
Benzo(g,h,i)perylene
Concen: 39.760 ng m
RT: 29.995 min Scan# 4600
Delta R.T. -0.065 min
Lab File: BP025438.D
Acq: 15 Aug 2025 23:49

Tgt Ion:276 Resp: 2091079

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	21.5	16.7	25.1



Sample Results: **BP025438.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025438.D
Acq On : 15 Aug 2025 23:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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	94	-0.01
2		1,4-Dioxane	0.472	0.450	4.7	95	0.00
3		Pyridine	1.291	1.222	5.3	94	0.00
4		n-Nitrosodimethylamine	0.532	0.561	-5.5	103	0.00
5	S	2-Fluorophenol	1.204	1.185	1.6	96	0.00
6		Aniline	2.080	2.081	-0.0	97	0.00
7	S	Phenol-d6	1.544	1.563	-1.2	97	0.00
8		2-Chlorophenol	1.359	1.373	-1.0	98	0.00
9		Benzaldehyde	1.082	1.121	-3.6	77	0.00
10	C	Phenol	1.620	1.630	-0.6	97	0.00
11		bis(2-Chloroethyl)ether	1.263	1.242	1.7	95	0.00
12		1,3-Dichlorobenzene	1.499	1.500	-0.1	98	0.00
13	C	1,4-Dichlorobenzene	1.532	1.524	0.5	97	-0.01
14		1,2-Dichlorobenzene	1.483	1.460	1.6	96	0.00
15		Benzyl Alcohol	1.227	1.228	-0.1	97	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.706	-0.8	99	-0.01
17		2-Methylphenol	1.125	1.144	-1.7	97	0.00
18		Hexachloroethane	0.563	0.561	0.4	97	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	0.994	2.8	94	-0.01
20		3+4-Methylphenols	1.560	1.553	0.4	96	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	93	0.00
22		Acetophenone	0.502	0.498	0.8	95	0.00
23	S	Nitrobenzene-d5	0.395	0.402	-1.8	97	-0.01
24		Nitrobenzene	0.353	0.362	-2.5	98	0.00
25		Isophorone	0.700	0.683	2.4	94	-0.01
26	C	2-Nitrophenol	0.181	0.182	-0.6	94	0.00
27		2,4-Dimethylphenol	0.312	0.312	0.0	94	-0.01
28		bis(2-Chloroethoxy)methane	0.423	0.411	2.8	94	0.00
29	C	2,4-Dichlorophenol	0.310	0.316	-1.9	96	-0.01
30		1,2,4-Trichlorobenzene	0.340	0.338	0.6	96	0.00
31		Naphthalene	1.040	1.036	0.4	96	0.00
32		Benzoic acid	0.230	0.228	0.9	93	0.00
33		4-Chloroaniline	0.459	0.455	0.9	93	-0.01
34	C	Hexachlorobutadiene	0.211	0.212	-0.5	96	-0.01
35		Caprolactam	0.114	0.107	6.1	91	-0.01
36	C	4-Chloro-3-methylphenol	0.355	0.360	-1.4	97	-0.01
37		2-Methylnaphthalene	0.676	0.660	2.4	94	-0.01
38		1-Methylnaphthalene	0.719	0.698	2.9	95	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	90	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.578	0.590	-2.1	95	-0.01
41	P	Hexachlorocyclopentadiene	0.349	0.281	19.5	73	-0.01
42	S	2,4,6-Tribromophenol	0.269	0.270	-0.4	92	-0.02
43	C	2,4,6-Trichlorophenol	0.390	0.405	-3.8	95	-0.01
44		2,4,5-Trichlorophenol	0.427	0.442	-3.5	94	0.00
45	S	2-Fluorobiphenyl	1.463	1.439	1.6	93	0.00
46		1,1'-Biphenyl	1.453	1.459	-0.4	93	-0.01
47		2-Chloronaphthalene	1.131	1.142	-1.0	93	-0.01

Sample Results: **BP025438.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025438.D
Acq On : 15 Aug 2025 23:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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	0.329	0.353	-7.3	96	-0.02
49		Acenaphthylene	1.871	1.858	0.7	92	-0.02
50		Dimethylphthalate	1.465	1.442	1.6	92	-0.02
51		2,6-Dinitrotoluene	0.309	0.316	-2.3	92	-0.01
52	C	Acenaphthene	1.098	1.074	2.2	93	-0.01
53		3-Nitroaniline	0.347	0.356	-2.6	94	-0.02
54	P	2,4-Dinitrophenol	0.165	0.116	29.7#	64	-0.01
55		Dibenzofuran	1.736	1.725	0.6	92	-0.02
56	P	4-Nitrophenol	0.285	0.293	-2.8	94	-0.02
57		2,4-Dinitrotoluene	0.440	0.456	-3.6	94	-0.02
58		Fluorene	1.370	1.313	4.2	90	-0.02
59		2,3,4,6-Tetrachlorophenol	0.377	0.388	-2.9	95	-0.01
60		Diethylphthalate	1.488	1.462	1.7	92	-0.01
61		4-Chlorophenyl-phenylether	0.681	0.654	4.0	90	-0.02
62		4-Nitroaniline	0.356	0.359	-0.8	92	-0.02
63		Azobenzene	1.274	1.298	-1.9	94	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	88	-0.02
65		4,6-Dinitro-2-methylphenol	0.125	0.099	20.8	72	-0.02
66	c	n-Nitrosodiphenylamine	0.610	0.617	-1.1	92	-0.01
67		4-Bromophenyl-phenylether	0.220	0.218	0.9	91	-0.01
68		Hexachlorobenzene	0.255	0.251	1.6	91	-0.01
69		Atrazine	0.228	0.226	0.9	91	-0.02
70	C	Pentachlorophenol	0.161	0.162	-0.6	91	-0.02
71		Phenanthrene	1.099	1.092	0.6	93	-0.02
72		Anthracene	1.122	1.125	-0.3	92	-0.01
73		Carbazole	1.057	1.060	-0.3	93	-0.01
74		Di-n-butylphthalate	1.300	1.269	2.4	90	-0.01
75	C	Fluoranthene	1.311	1.277	2.6	92	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	88	-0.02
77		Benzidine	0.683	0.570	16.5	52	0.00
78		Pyrene	1.300	1.317	-1.3	91	-0.01
79	S	Terphenyl-d14	1.093	1.067	2.4	89	0.00
80		Butylbenzylphthalate	0.589	0.608	-3.2	92	0.00
81		Benzo(a)anthracene	1.319	1.311	0.6	91	-0.02
82		3,3'-Dichlorobenzidine	0.497	0.488	1.8	88	-0.01
83		Chrysene	1.235	1.236	-0.1	92	-0.02
84		Bis(2-ethylhexyl)phthalate	0.867	0.857	1.2	90	-0.02
85	c	Di-n-octyl phthalate	1.492	1.488	0.3	90	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	87	-0.05
87		Indeno(1,2,3-cd)pyrene	1.467	1.449	1.2	90	-0.07
88		Benzo(b)fluoranthene	1.179	1.169	0.8	90	-0.02
89		Benzo(k)fluoranthene	1.180	1.162	1.5	90	-0.04
90	C	Benzo(a)pyrene	1.148	1.145	0.3	90	-0.04
91		Dibenzo(a,h)anthracene	1.199	1.190	0.8	90	-0.05
92		Benzo(g,h,i)perylene	1.178	1.171	0.6	90	-0.06

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025438.D
Acq On : 15 Aug 2025 23:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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: **BP025438.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025438.D
Acq On : 15 Aug 2025 23:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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	94	-0.01
2		1,4-Dioxane	40.000	38.154	4.6	95	0.00
3		Pyridine	40.000	37.869	5.3	94	0.00
4		n-Nitrosodimethylamine	40.000	42.148	-5.4	103	0.00
5	S	2-Fluorophenol	80.000	78.736	1.6	96	0.00
6		Aniline	40.000	40.007	-0.0	97	0.00
7	S	Phenol-d6	80.000	80.963	-1.2	97	0.00
8		2-Chlorophenol	40.000	40.404	-1.0	98	0.00
9		Benzaldehyde	40.000	41.466	-3.7	77	0.00
10	C	Phenol	40.000	40.230	-0.6	97	0.00
11		bis(2-Chloroethyl)ether	40.000	39.334	1.7	95	0.00
12		1,3-Dichlorobenzene	40.000	40.047	-0.1	98	0.00
13	C	1,4-Dichlorobenzene	40.000	39.797	0.5	97	-0.01
14		1,2-Dichlorobenzene	40.000	39.381	1.5	96	0.00
15		Benzyl Alcohol	40.000	40.028	-0.1	97	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.333	-0.8	99	-0.01
17		2-Methylphenol	40.000	40.665	-1.7	97	0.00
18		Hexachloroethane	40.000	39.881	0.3	97	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.858	2.9	94	-0.01
20		3+4-Methylphenols	40.000	39.833	0.4	96	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	93	0.00
22		Acetophenone	40.000	39.681	0.8	95	0.00
23	S	Nitrobenzene-d5	80.000	81.281	-1.6	97	-0.01
24		Nitrobenzene	40.000	41.007	-2.5	98	0.00
25		Isophorone	40.000	39.049	2.4	94	-0.01
26	C	2-Nitrophenol	40.000	40.182	-0.5	94	0.00
27		2,4-Dimethylphenol	40.000	40.075	-0.2	94	-0.01
28		bis(2-Chloroethoxy)methane	40.000	38.882	2.8	94	0.00
29	C	2,4-Dichlorophenol	40.000	40.752	-1.9	96	-0.01
30		1,2,4-Trichlorobenzene	40.000	39.812	0.5	96	0.00
31		Naphthalene	40.000	39.869	0.3	96	0.00
32		Benzoic acid	40.000	39.623	0.9	93	0.00
33		4-Chloroaniline	40.000	39.624	0.9	93	-0.01
34	C	Hexachlorobutadiene	40.000	40.005	-0.0	96	-0.01
35		Caprolactam	40.000	37.795	5.5	91	-0.01
36	C	4-Chloro-3-methylphenol	40.000	40.543	-1.4	97	-0.01
37		2-Methylnaphthalene	40.000	39.018	2.5	94	-0.01
38		1-Methylnaphthalene	40.000	38.817	3.0	95	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	90	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	40.826	-2.1	95	-0.01
41	P	Hexachlorocyclopentadiene	40.000	32.234	19.4	73	-0.01
42	S	2,4,6-Tribromophenol	80.000	80.334	-0.4	92	-0.02
43	C	2,4,6-Trichlorophenol	40.000	41.525	-3.8	95	-0.01
44		2,4,5-Trichlorophenol	40.000	41.395	-3.5	94	0.00
45	S	2-Fluorobiphenyl	80.000	78.687	1.6	93	0.00
46		1,1'-Biphenyl	40.000	40.166	-0.4	93	-0.01
47		2-Chloronaphthalene	40.000	40.399	-1.0	93	-0.01

Sample Results: **BP025438.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025438.D
Acq On : 15 Aug 2025 23:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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	42.804	-7.0	96	-0.02
49		Acenaphthylene	40.000	39.722	0.7	92	-0.02
50		Dimethylphthalate	40.000	39.397	1.5	92	-0.02
51		2,6-Dinitrotoluene	40.000	40.996	-2.5	92	-0.01
52	C	Acenaphthene	40.000	39.121	2.2	93	-0.01
53		3-Nitroaniline	40.000	41.005	-2.5	94	-0.02
54	P	2,4-Dinitrophenol	40.000	28.210	29.5#	64	-0.01
55		Dibenzofuran	40.000	39.732	0.7	92	-0.02
56	P	4-Nitrophenol	40.000	41.044	-2.6	94	-0.02
57		2,4-Dinitrotoluene	40.000	41.411	-3.5	94	-0.02
58		Fluorene	40.000	38.342	4.1	90	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	41.161	-2.9	95	-0.01
60		Diethylphthalate	40.000	39.291	1.8	92	-0.01
61		4-Chlorophenyl-phenylether	40.000	38.366	4.1	90	-0.02
62		4-Nitroaniline	40.000	40.349	-0.9	92	-0.02
63		Azobenzene	40.000	40.738	-1.8	94	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	88	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	31.911	20.2	72	-0.02
66	c	n-Nitrosodiphenylamine	40.000	40.446	-1.1	92	-0.01
67		4-Bromophenyl-phenylether	40.000	39.706	0.7	91	-0.01
68		Hexachlorobenzene	40.000	39.328	1.7	91	-0.01
69		Atrazine	40.000	39.520	1.2	91	-0.02
70	C	Pentachlorophenol	40.000	40.365	-0.9	91	-0.02
71		Phenanthrene	40.000	39.769	0.6	93	-0.02
72		Anthracene	40.000	40.122	-0.3	92	-0.01
73		Carbazole	40.000	40.119	-0.3	93	-0.01
74		Di-n-butylphthalate	40.000	39.041	2.4	90	-0.01
75	C	Fluoranthene	40.000	38.967	2.6	92	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	88	-0.02
77		Benzidine	40.000	33.425	16.4	52	0.00
78		Pyrene	40.000	40.529	-1.3	91	-0.01
79	S	Terphenyl-d14	80.000	78.106	2.4	89	0.00
80		Butylbenzylphthalate	40.000	41.266	-3.2	92	0.00
81		Benzo(a)anthracene	40.000	39.762	0.6	91	-0.02
82		3,3'-Dichlorobenzidine	40.000	39.295	1.8	88	-0.01
83		Chrysene	40.000	40.039	-0.1	92	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	39.534	1.2	90	-0.02
85	c	Di-n-octyl phthalate	40.000	39.902	0.2	90	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	87	-0.05
87		Indeno(1,2,3-cd)pyrene	40.000	39.516	1.2	90	-0.07
88		Benzo(b)fluoranthene	40.000	39.637	0.9	90	-0.02
89		Benzo(k)fluoranthene	40.000	39.376	1.6	90	-0.04
90	C	Benzo(a)pyrene	40.000	39.898	0.3	90	-0.04
91		Dibenzo(a,h)anthracene	40.000	39.719	0.7	90	-0.05
92		Benzo(g,h,i)perylene	40.000	39.760	0.6	90	-0.06

Sample Results: **BP025438.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025438.D
Acq On : 15 Aug 2025 23:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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

QC SAMPLE DATA

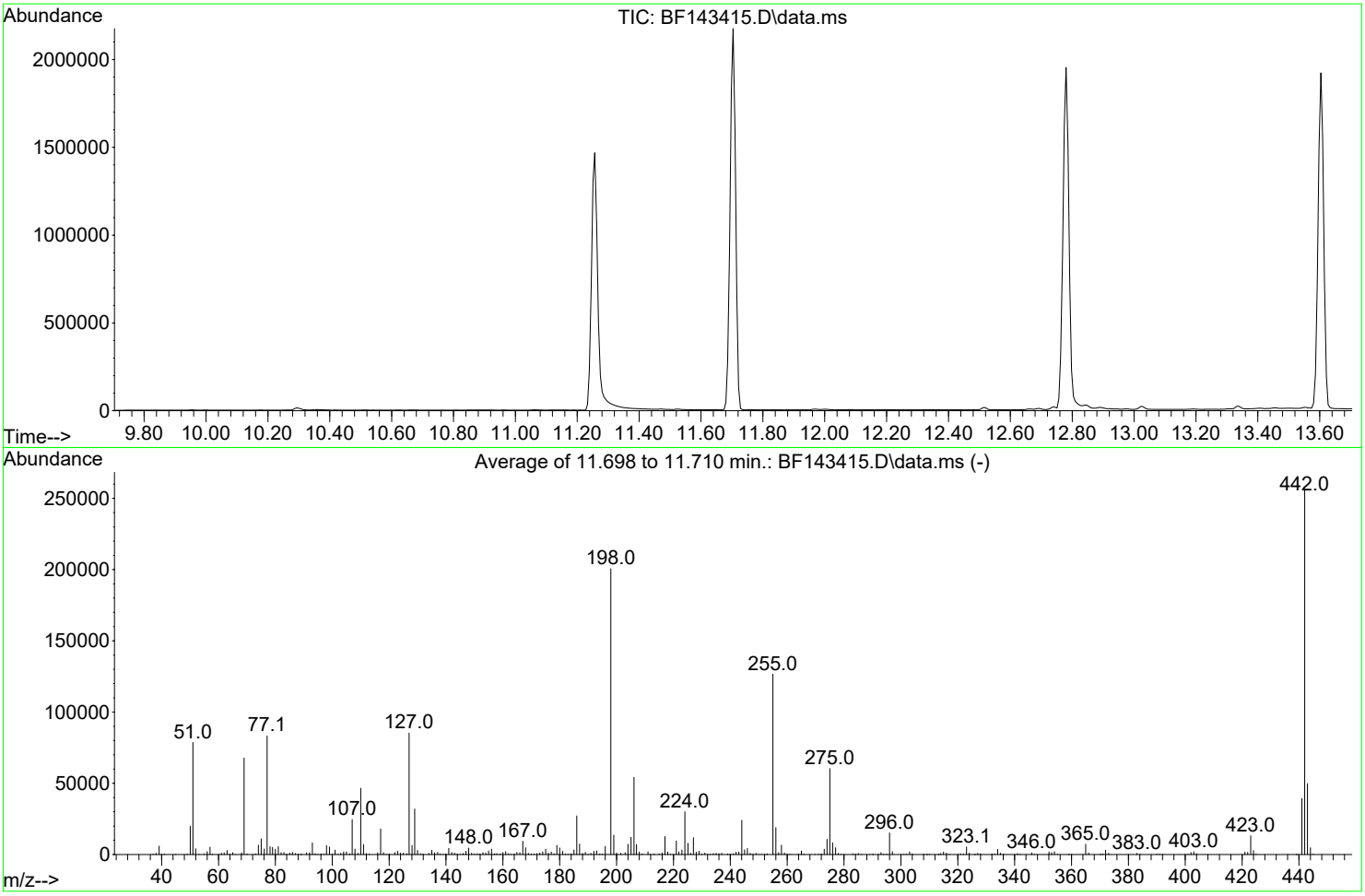
Sample Results: **BF143415.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143415.D
Acq On : 15 Aug 2025 13:59
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-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Aug 18 04:40:19 2025



AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1609

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1264	PASS
69	69	100	100	100.0	67720	PASS
70	69	0.00	2	0.6	406	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	200640	PASS
199	198	5	9	6.8	13673	PASS
365	198	1	100	3.6	7304	PASS
441	443	0.01	150	79.0	39347	PASS
442	442	100	100	100.0	255488	PASS
443	442	15	24	19.5	49795	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/15/2025	BNA_F	BF143413.D
Compound Name	**Response**	**Retention Time**
DDT	478181	13.604
DDD	9101	13.339
DDE		13.01
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9101	487282	1.87

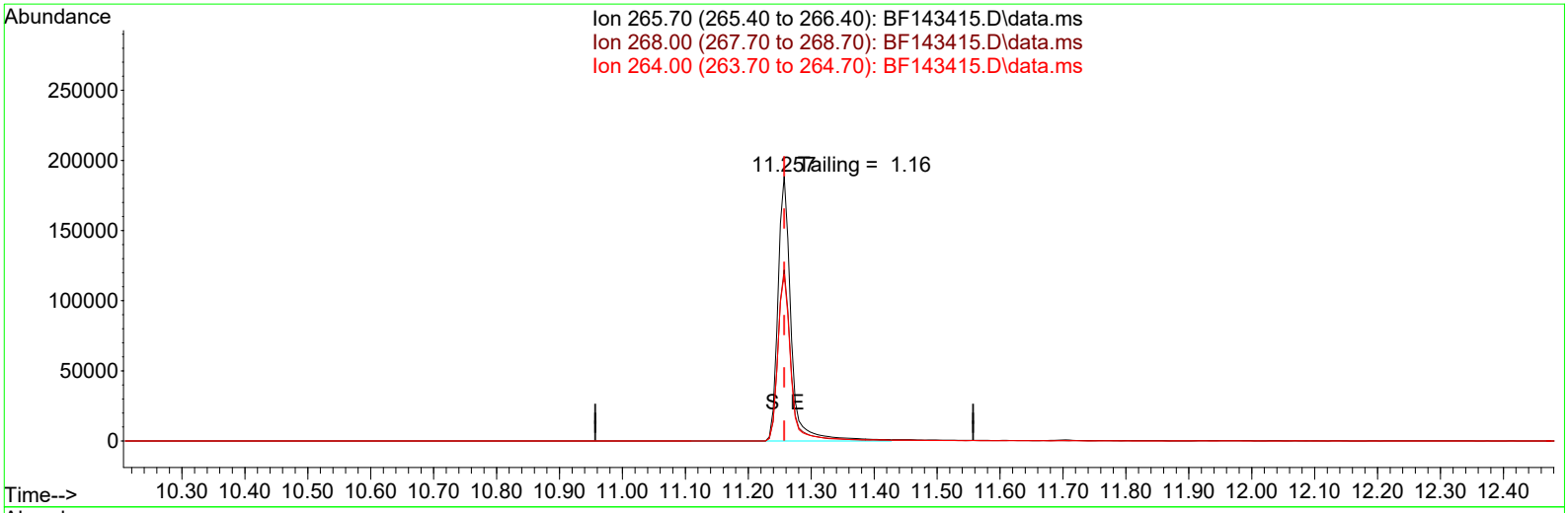
Instrument :
BNA_F
ClientSampleId :
DFTPP

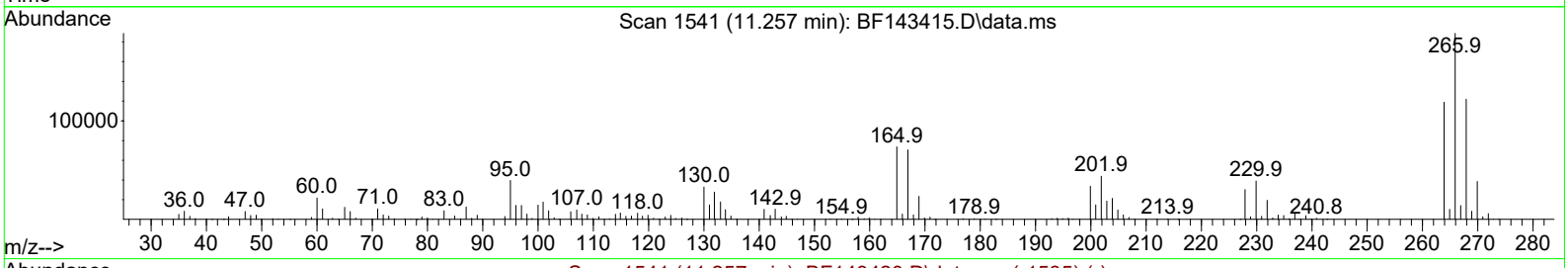
Sample Results: **BF143415.D**

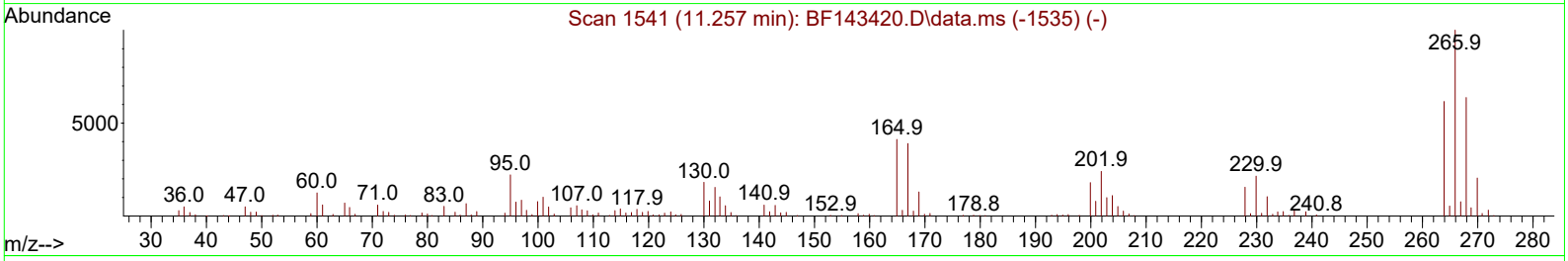
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143415.D
Acq On : 15 Aug 2025 13:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 15 19:00:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration







TIC: BF143415.D\data.ms

(70) Pentachlorophenol (C)

11.257min (-0.000) 361177.43 ng

response 277163

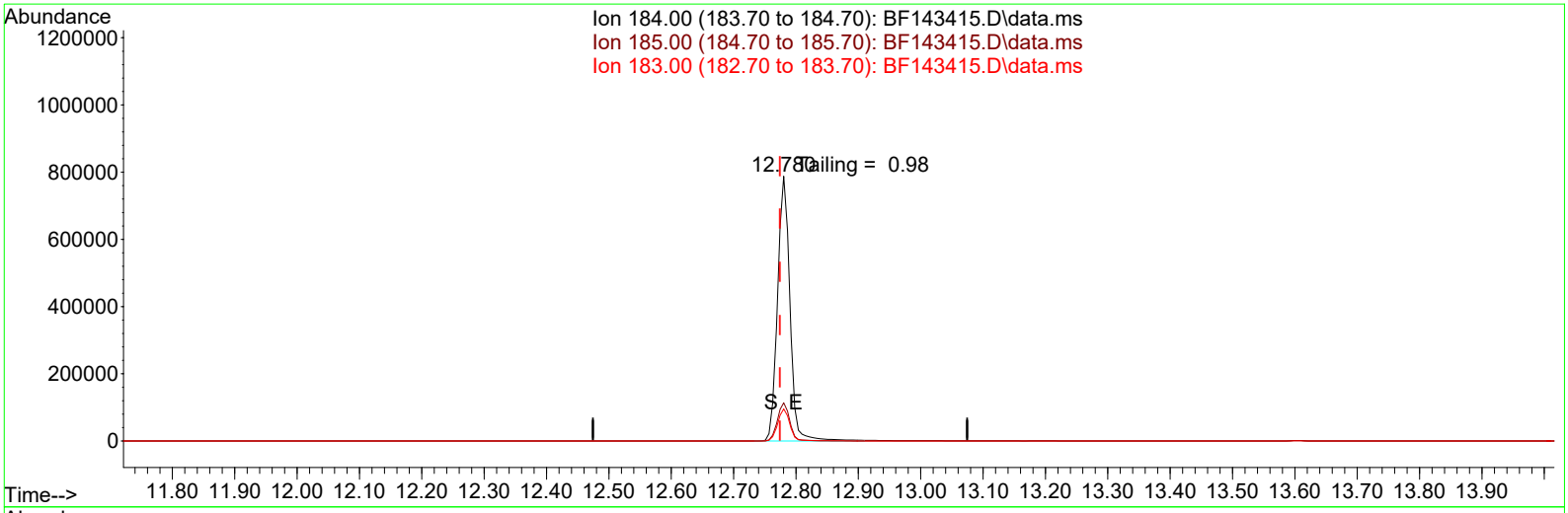
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.59
264.00	61.60	62.99
0.00	0.00	0.00

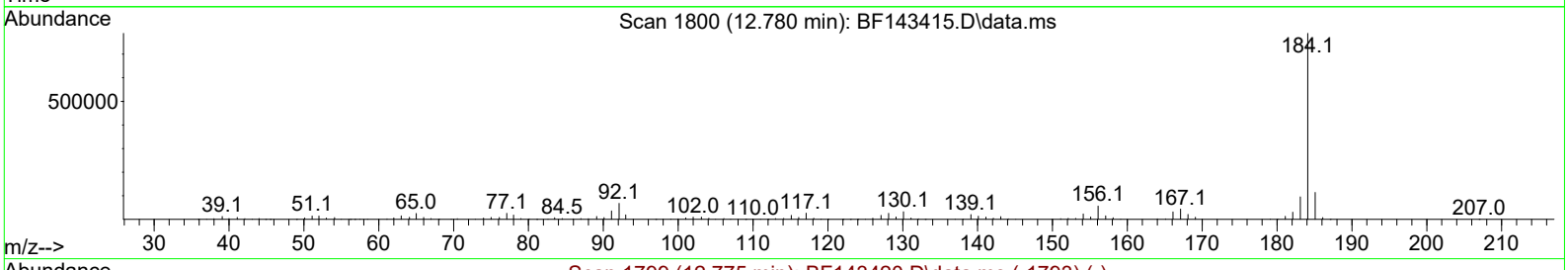
Sample Results: **BF143415.D**

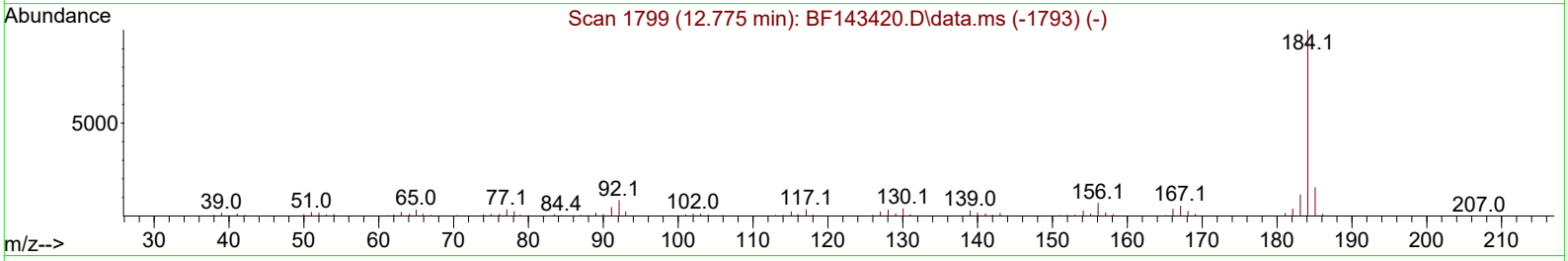
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143415.D
Acq On : 15 Aug 2025 13:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 15 19:00:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration







TIC: BF143415.D\data.ms

(77) Benzidine

12.780min (+ 0.006) 168452.64 ng

response 1096798

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.46
183.00	11.50	12.10
0.00	0.00	0.00

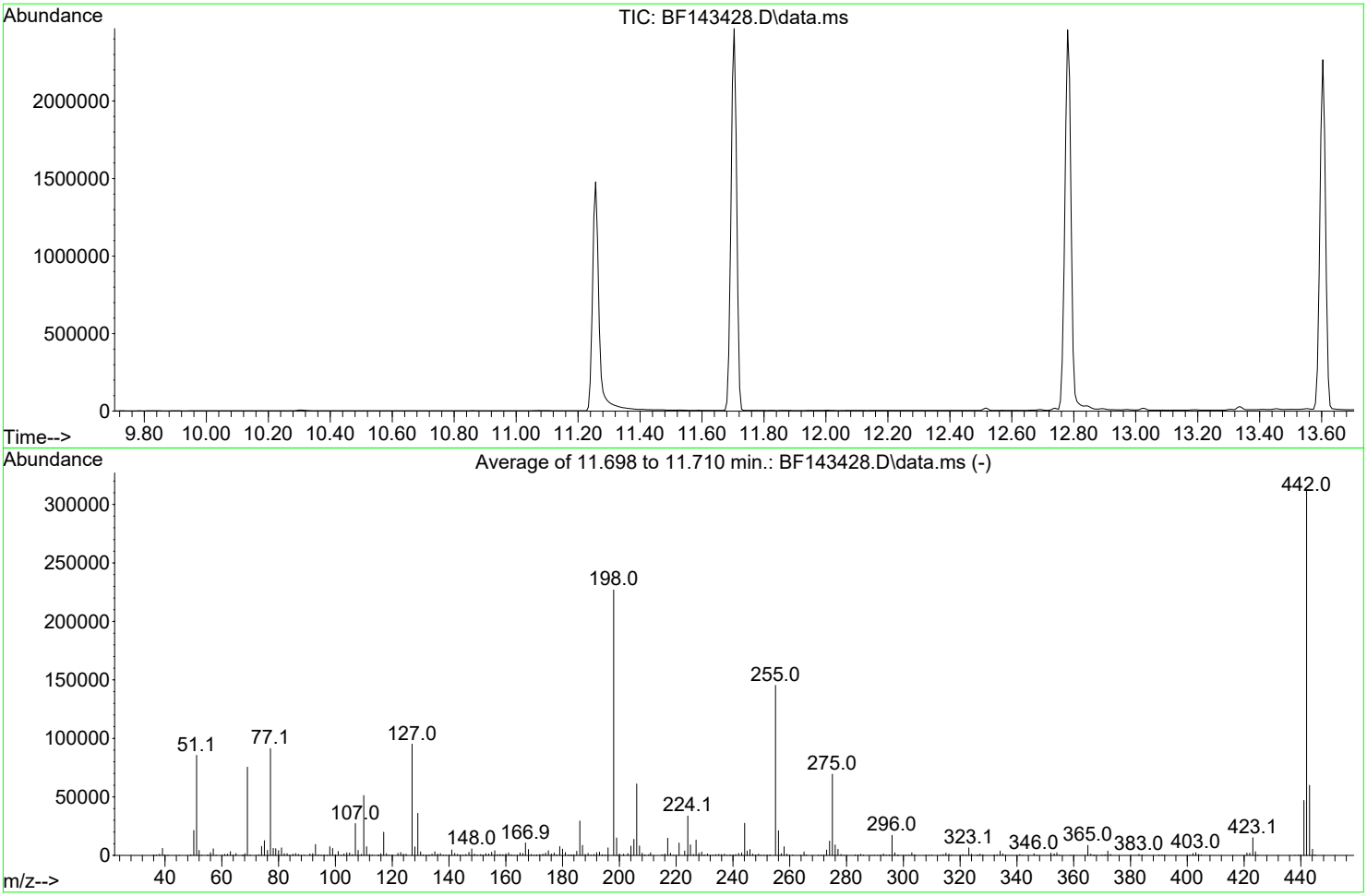
Sample Results: **BF143428.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143428.D
Acq On : 18 Aug 2025 08:37
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-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Aug 18 04:40:19 2025



AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1609

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	2.0	1498	PASS
69	69	100	100	100.0	75440	PASS
70	69	0.00	2	0.5	389	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	226987	PASS
199	198	5	9	6.6	14870	PASS
365	198	1	100	3.8	8602	PASS
441	443	0.01	150	78.5	46984	PASS
442	442	100	100	100.0	311424	PASS
443	442	15	24	19.2	59888	PASS

DDT Breakdown

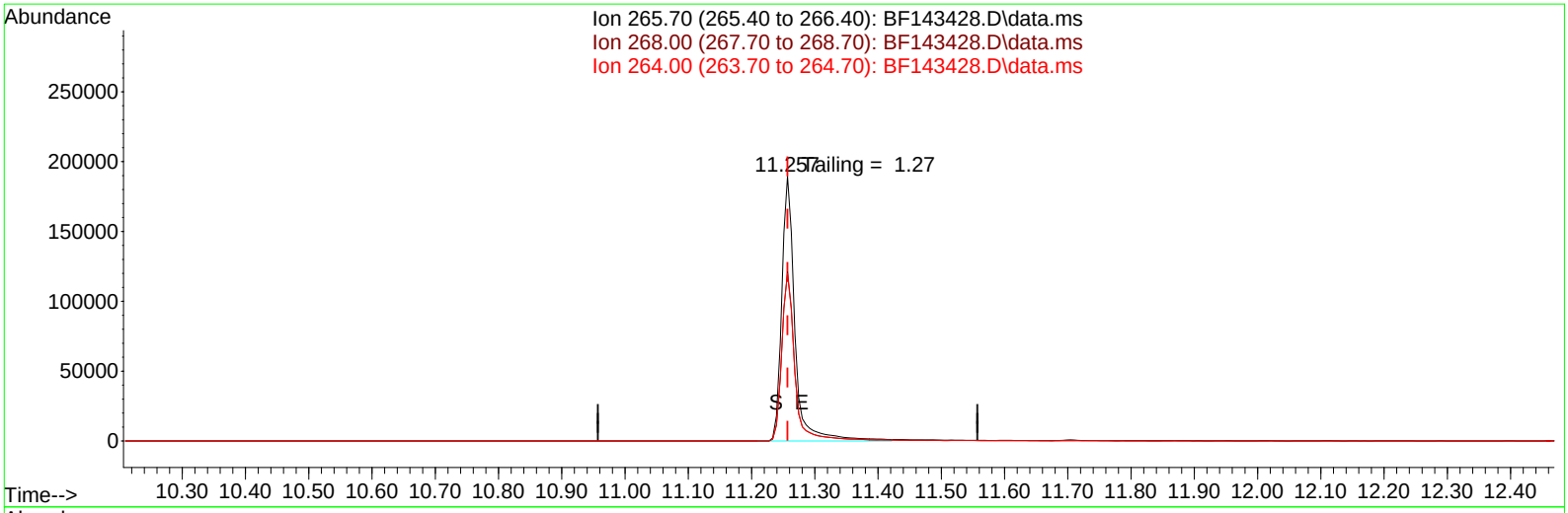
Date	Instrument Name	DFTPP Data File
8/18/2025	BNA_F	BF143428.D
Compound Name	**Response**	**Retention Time**
DDT	555192	13.604
DDD	7876	13.333
DDE	2112	12.969
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9988	565180	1.77

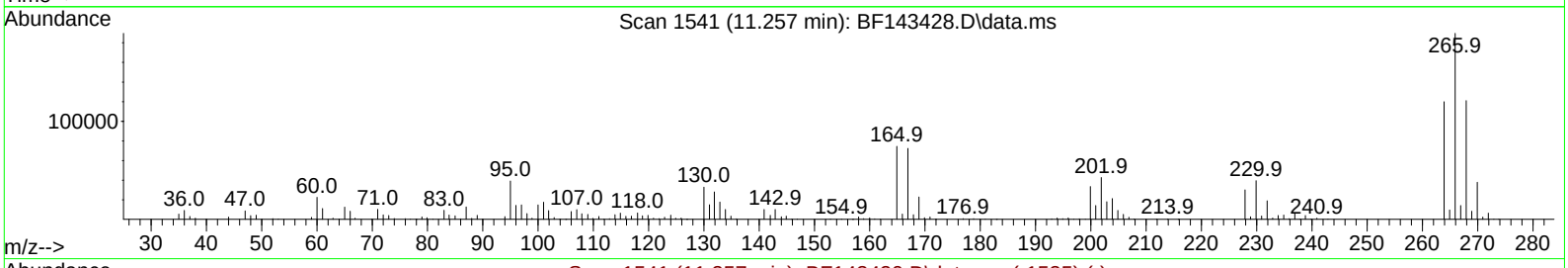
Instrument :
BNA_F
ClientSampleId :
DFTPP

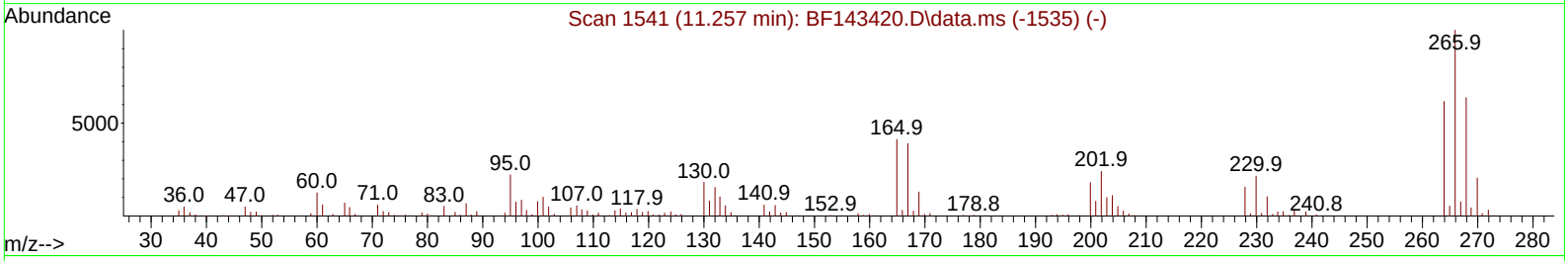
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143428.D
Acq On : 18 Aug 2025 08:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 18 12:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration







TIC: BF143428.D\data.ms

(70) Pentachlorophenol (C)

11.257min (-0.000) 817352.89 ng

response 279770

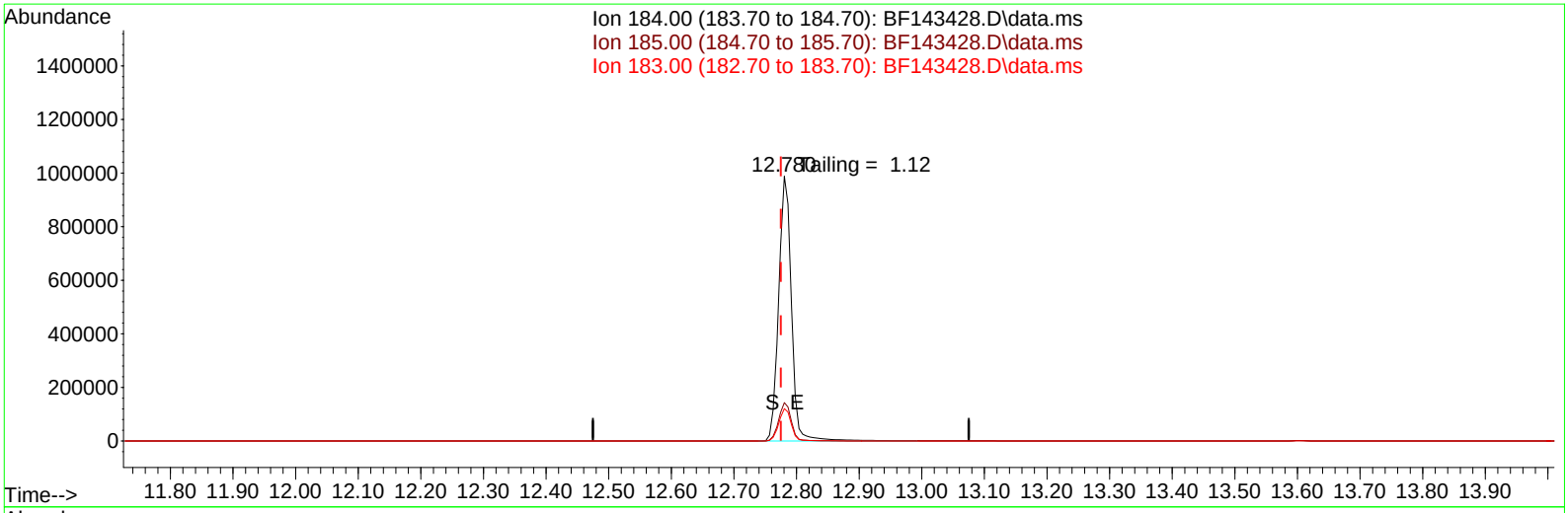
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	63.84
264.00	61.60	63.23
0.00	0.00	0.00

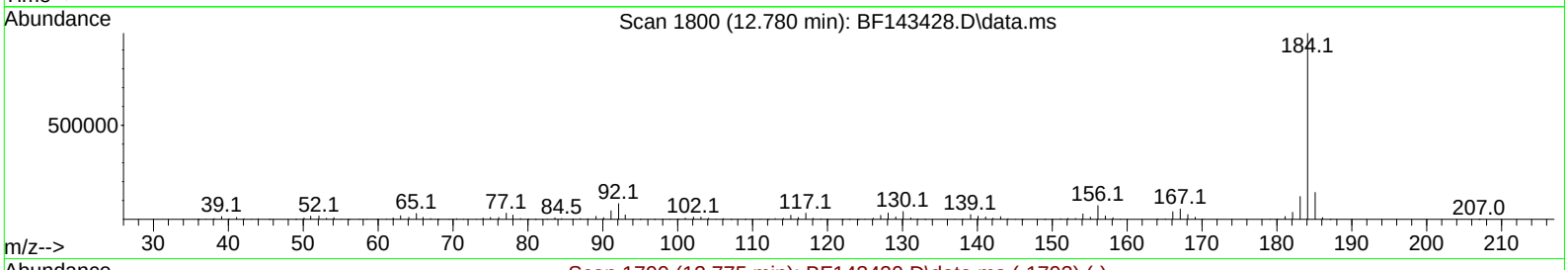
Sample Results: **BF143428.D**

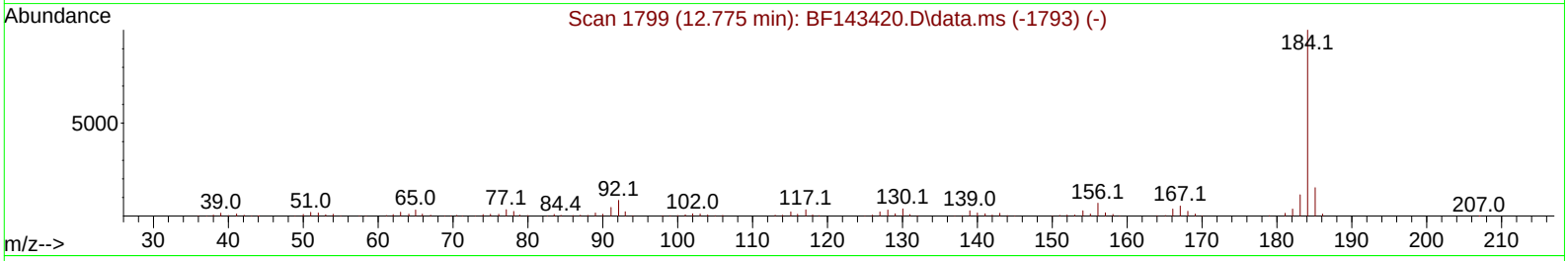
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143428.D
Acq On : 18 Aug 2025 08:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 18 12:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration







TIC: BF143428.D\data.ms

(77) Benzidine

12.780min (+ 0.005) 0.00 ng

response 1404146

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.49
183.00	11.50	12.23
0.00	0.00	0.00

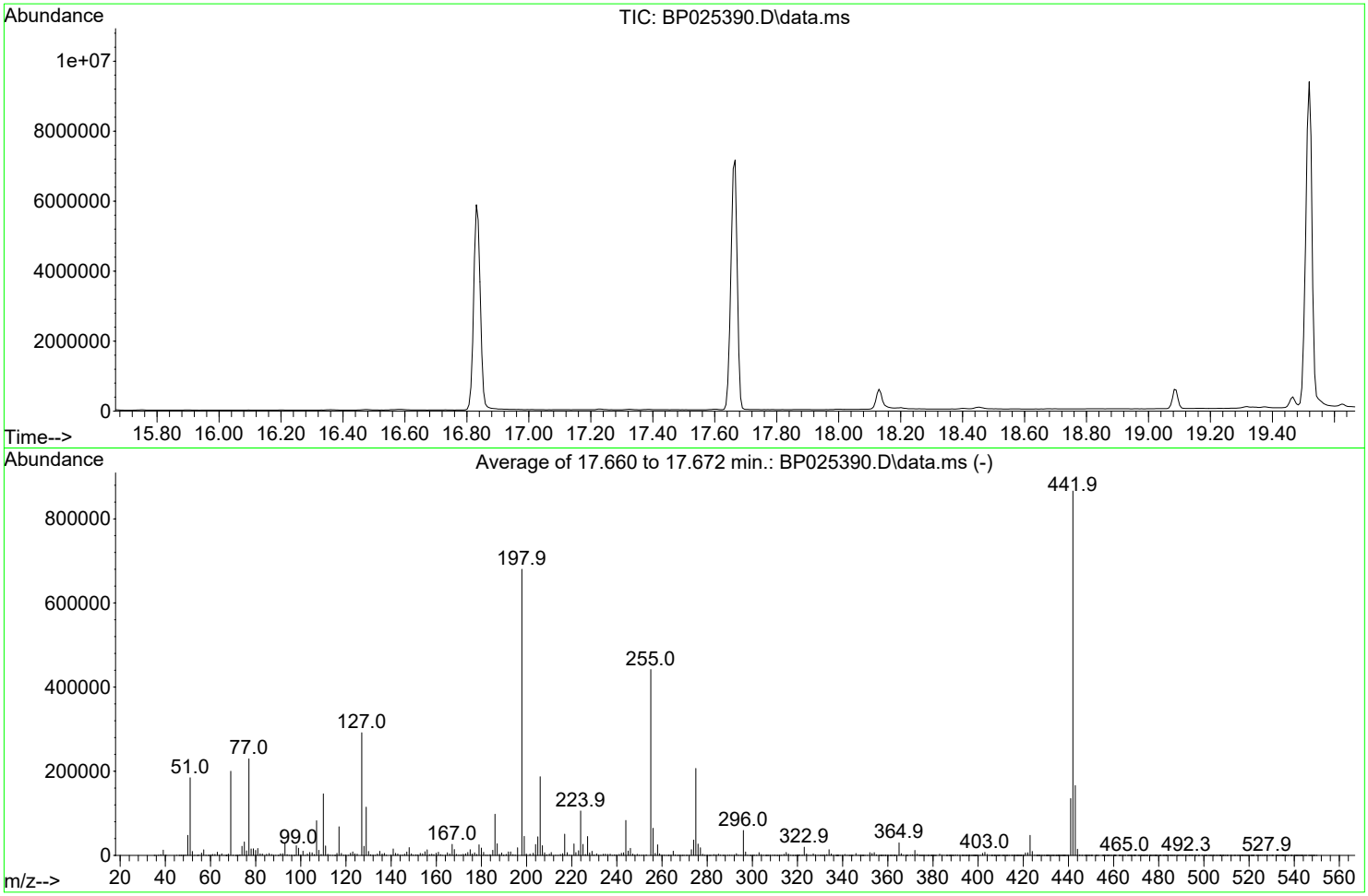
Sample Results: **BP025390.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/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-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2494

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	3290	PASS
69	69	100	100	100.0	199967	PASS
70	69	0.00	2	0.4	716	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	680138	PASS
199	198	5	9	6.7	45247	PASS
365	198	1	100	4.4	29981	PASS
441	443	0.01	150	81.3	135091	PASS
442	442	100	100	100.0	866023	PASS
443	442	15	24	19.2	166133	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/14/2025	BNA_P	BP025390.D
Compound Name	**Response**	**Retention Time**
DDT	2976098	20.818
DDD	52170	20.407
DDE	9165	19.824
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
61335	3037433	2.02

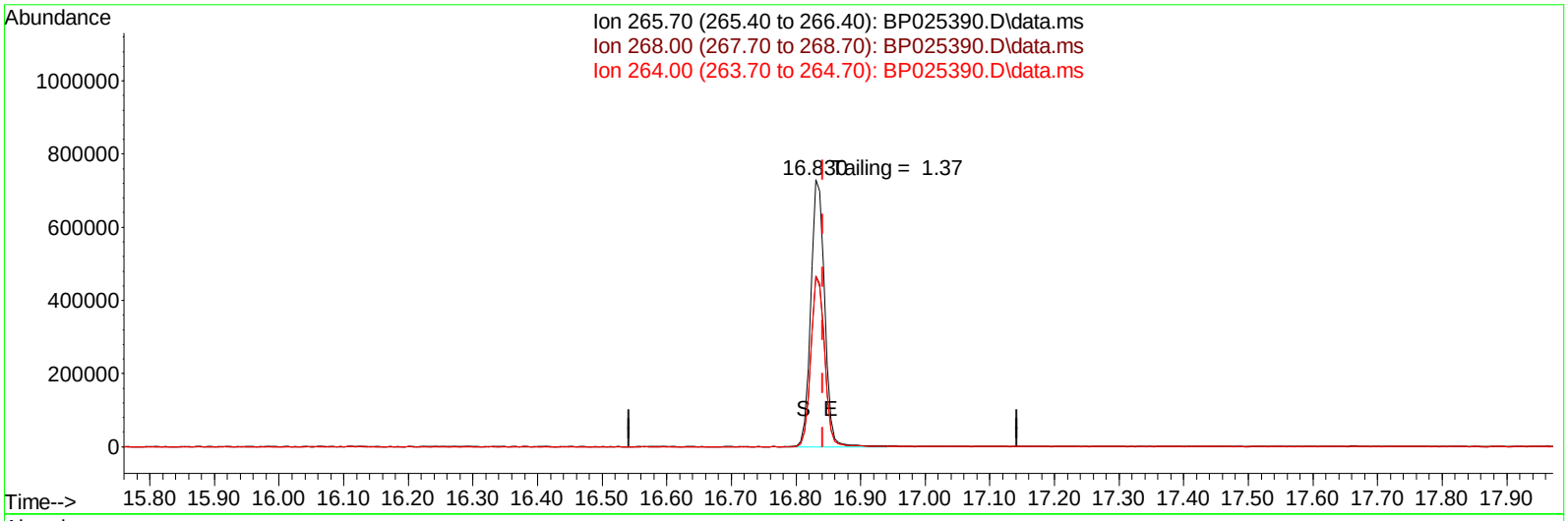
Instrument :
BNA_P
ClientSampleId :
DFTPP

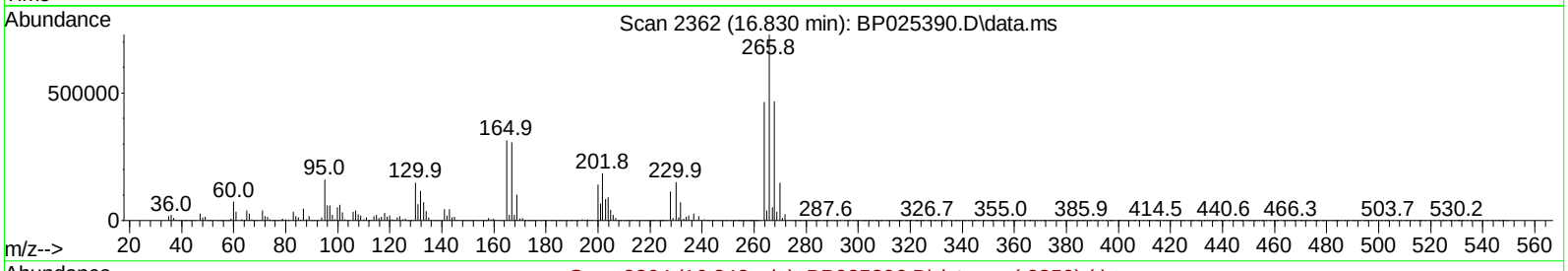
Sample Results: **BP025390.D**

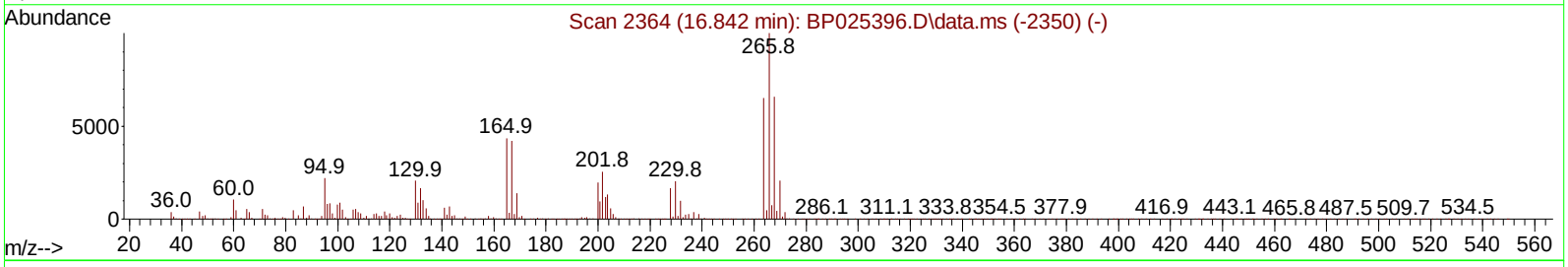
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 18:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025390.D\data.ms

(70) Pentachlorophenol (C)

16.830min (-0.012) 61985.64 ng

response 1096483

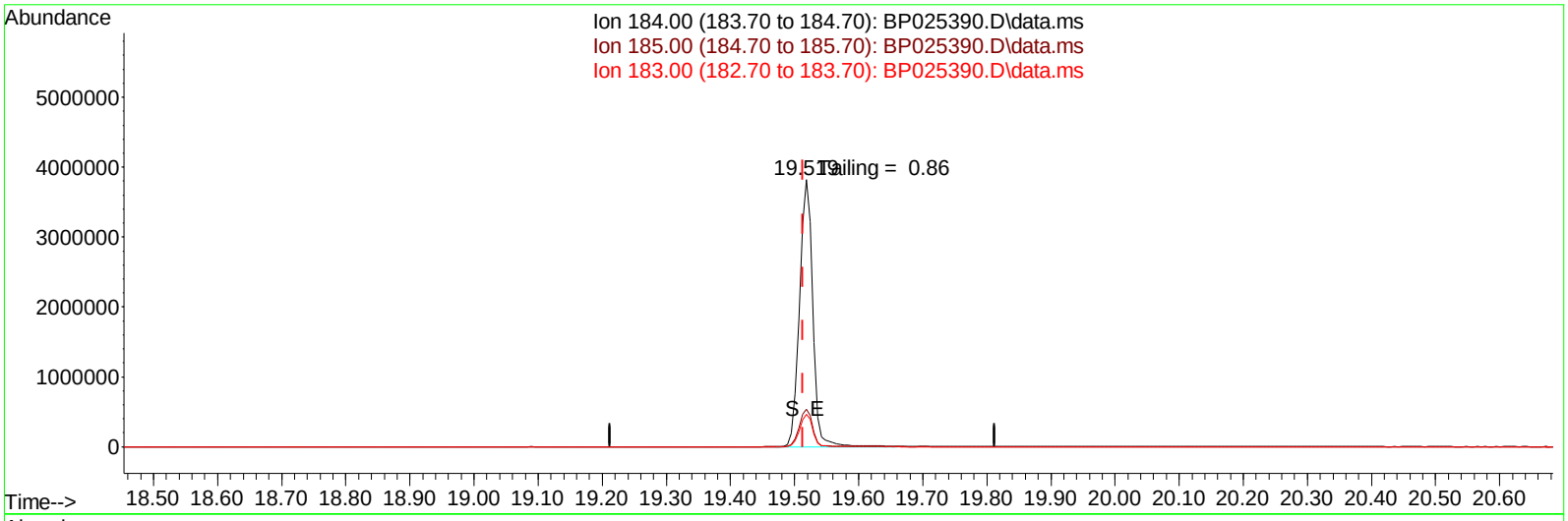
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.04
264.00	65.00	63.79
0.00	0.00	0.00

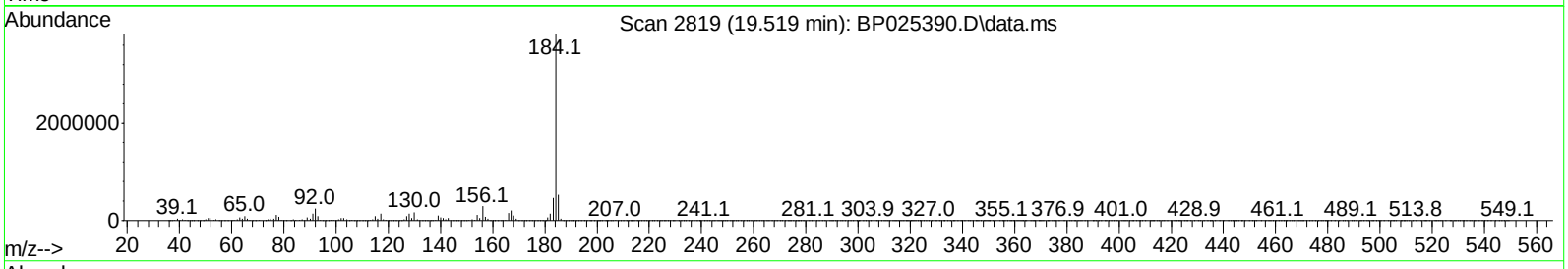
Sample Results: **BP025390.D**

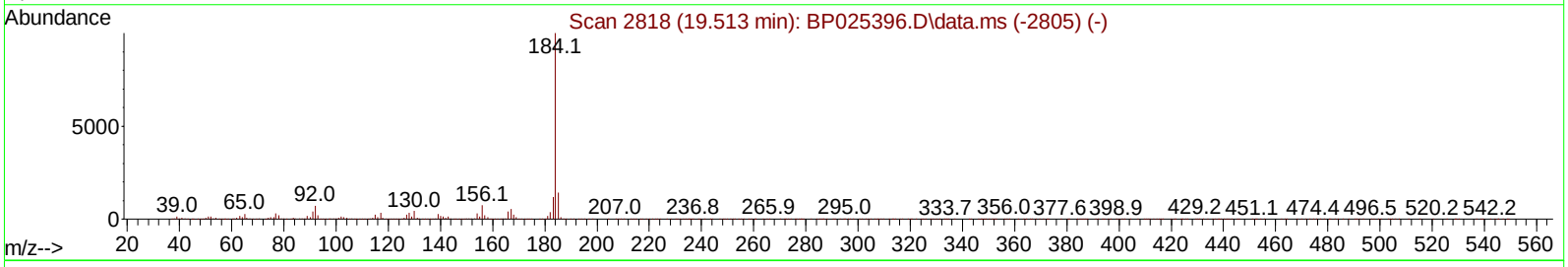
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 18:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025390.D\data.ms

(77) Benzidine

19.519min (+ 0.006) 64482.34 ng

response 5499416

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.03
183.00	11.80	12.10
0.00	0.00	0.00

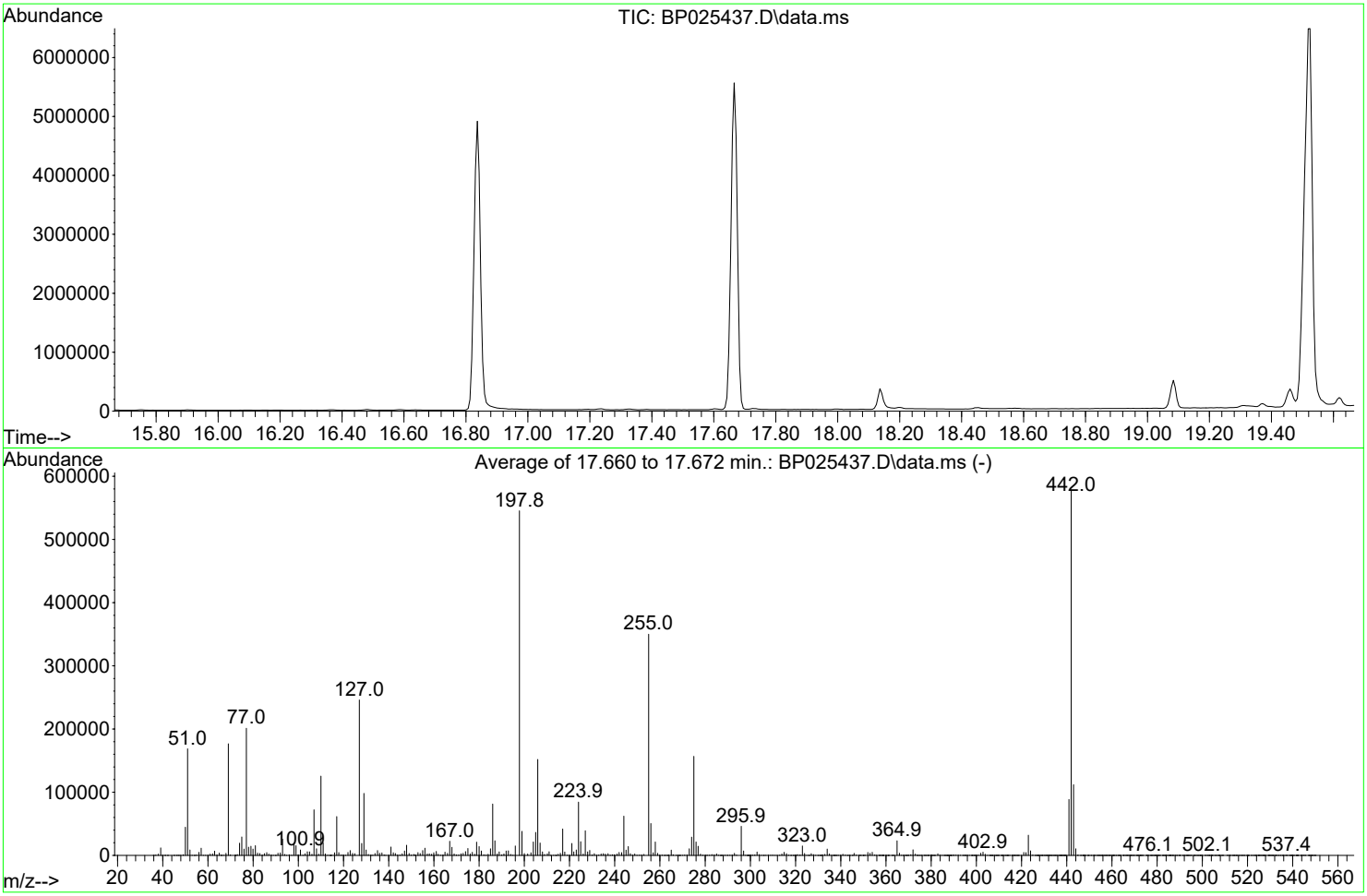
Sample Results: **BP025437.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025437.D
Acq On : 15 Aug 2025 23:08
Operator : CG/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-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2493

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	3221	PASS
69	69	100	100	100.0	176647	PASS
70	69	0.00	2	0.5	852	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	545515	PASS
199	198	5	9	7.0	38005	PASS
365	198	1	100	4.2	23066	PASS
441	443	0.01	150	79.0	88504	PASS
442	442	100	100	100.0	576619	PASS
443	442	15	24	19.4	111960	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/15/2025	BNA_P	BP025437.D
Compound Name	**Response**	**Retention Time**
DDT	1896735	20.813
DDD	379213	20.342
DDE	4481	19.825
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
383694	2280429	16.83

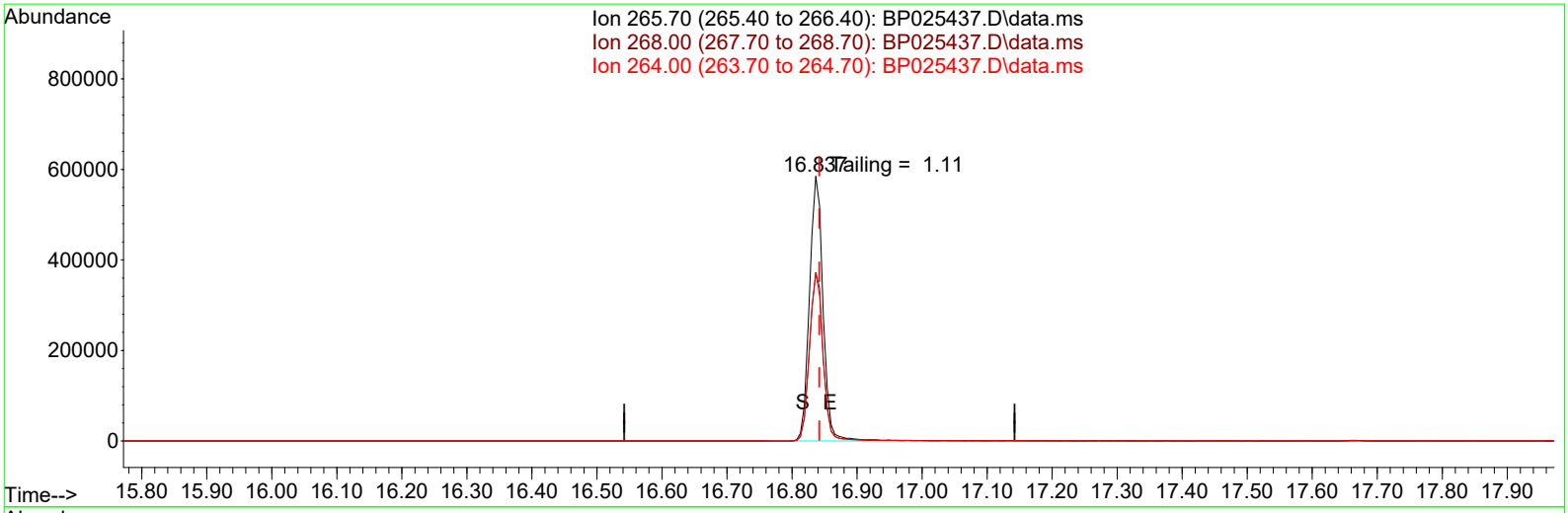
Instrument :
BNA_P
ClientSampleId :
DFTPP

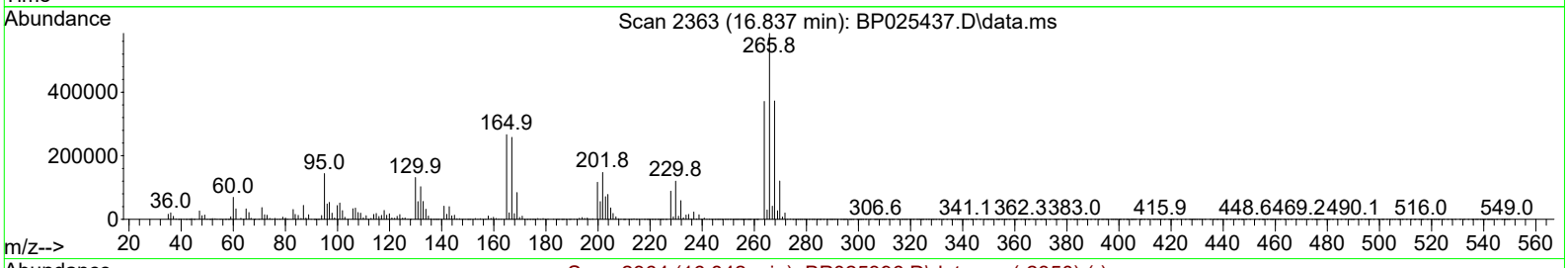
Sample Results: **BP025437.D**

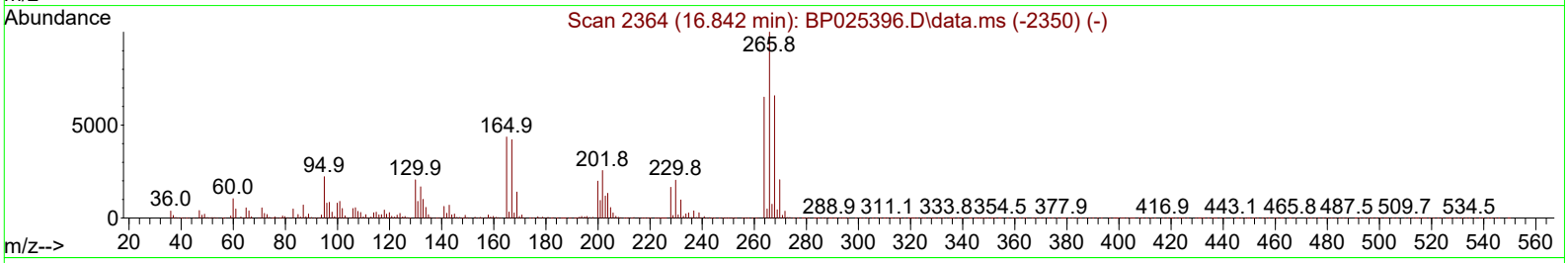
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025437.D
Acq On : 15 Aug 2025 23:08
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 18 01:55:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025437.D\data.ms

(70) Pentachlorophenol (C)

16.837min (-0.006) 31008.18 ng

response 855960

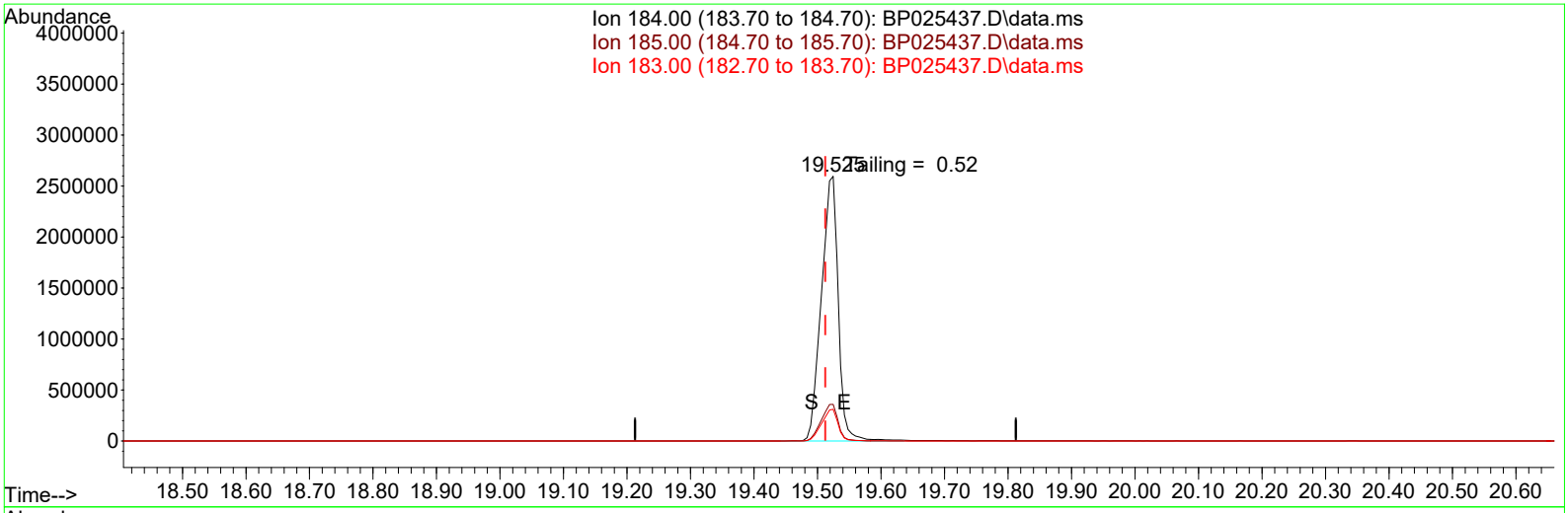
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	63.64
264.00	65.00	63.40
0.00	0.00	0.00

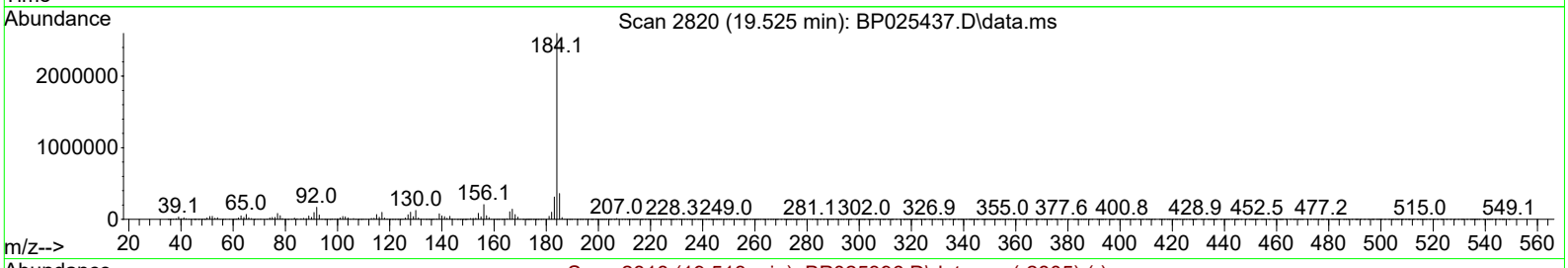
Sample Results: **BP025437.D**

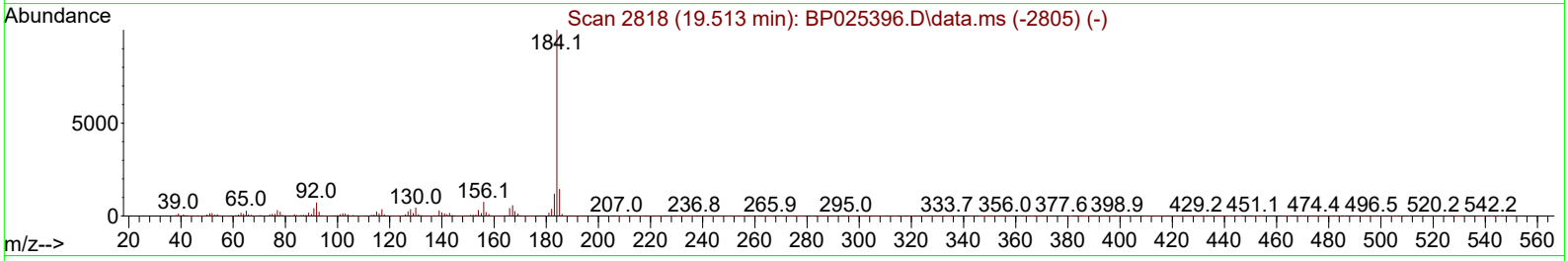
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025437.D
Acq On : 15 Aug 2025 23:08
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 18 01:55:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025437.D\data.ms

(77) Benzidine

19.525min (+ 0.012) 27113.16 ng

response 4803310

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.87
183.00	11.80	11.98
0.00	0.00	0.00

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169275BL	SDG No.:	Q2832
Lab Sample ID:	PB169275BL	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025439.D	1	08/14/25 10:30	08/16/25 00:31	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	122		15 (23) - 110 (138)	81%	SPK: 150
13127-88-3	Phenol-d6	120		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.3		30 (67) - 130 (132)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.4		30 (52) - 130 (132)	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		15 (44) - 110 (137)	79%	SPK: 150
1718-51-0	Terphenyl-d14	76.2		30 (42) - 130 (152)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	156000	7.784			
1146-65-2	Naphthalene-d8	641000	10.554			
15067-26-2	Acenaphthene-d10	435000	14.395			
1517-22-2	Phenanthrene-d10	892000	17.201			
1719-03-5	Chrysene-d12	899000	21.636			
1520-96-3	Perylene-d12	991000	25.001			

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB169275BL			SDG No.:	Q2832
Lab Sample ID:	PB169275BL			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025439.D	1	08/14/25 10:30	08/16/25 00:31	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025439.D
Acq On : 16 Aug 2025 00:31
Operator : CG/JU
Sample : PB169275BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169275BL

Quant Time: Aug 18 01:38:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

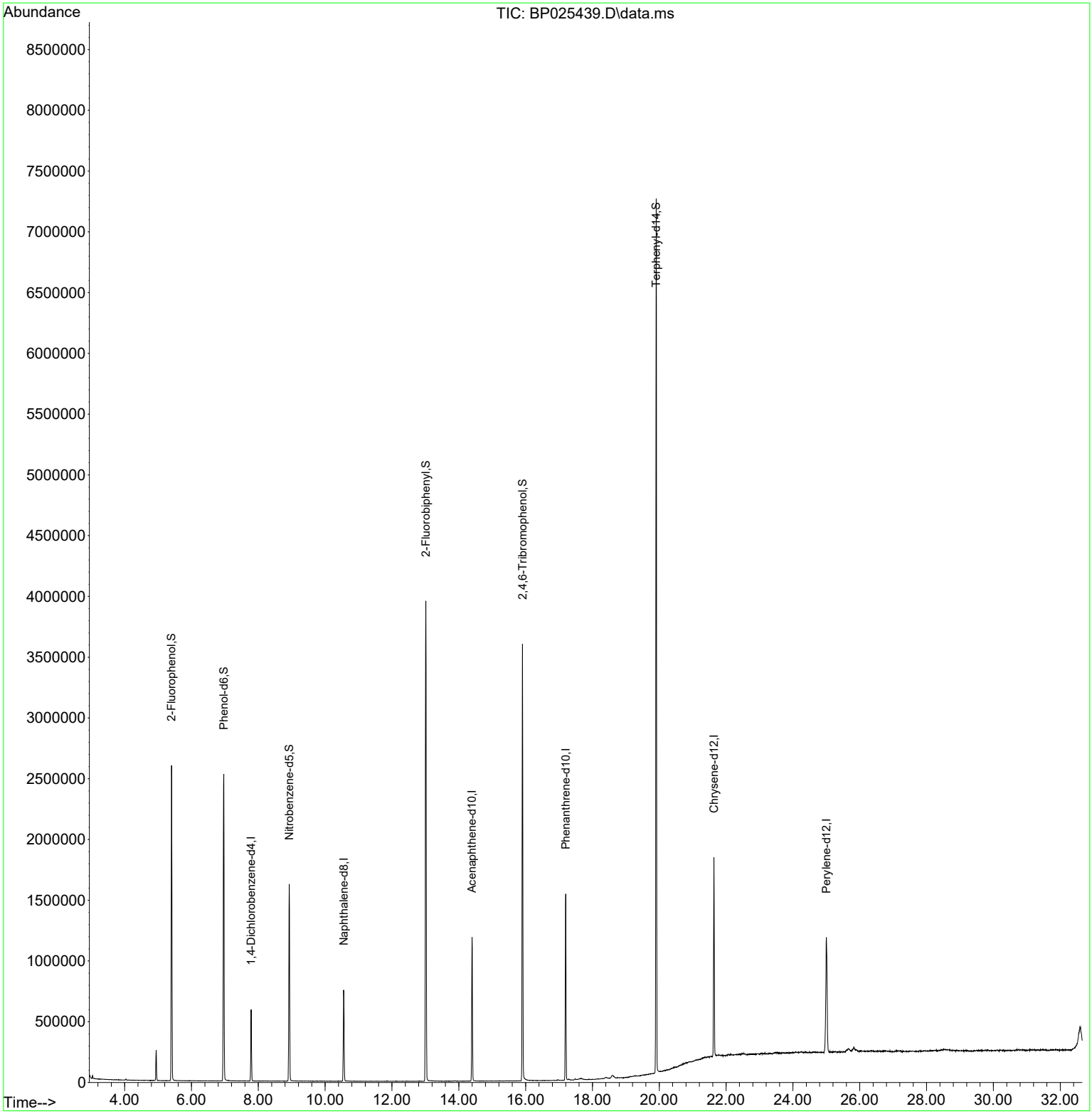
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	156038	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	640900	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	435066	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	892449	20.000	ng	0.00
76) Chrysene-d12	21.636	240	898807	20.000	ng	-0.01
86) Perylene-d12	25.001	264	991416	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	1142442	121.589	ng	0.00
7) Phenol-d6	6.966	99	1447662	120.174	ng	0.00
23) Nitrobenzene-d5	8.925	82	940952	74.268	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	696105	118.870	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2304439	72.390	ng	0.00
79) Terphenyl-d14	19.907	244	3742479	76.180	ng	-0.01
Target Compounds						Qvalue

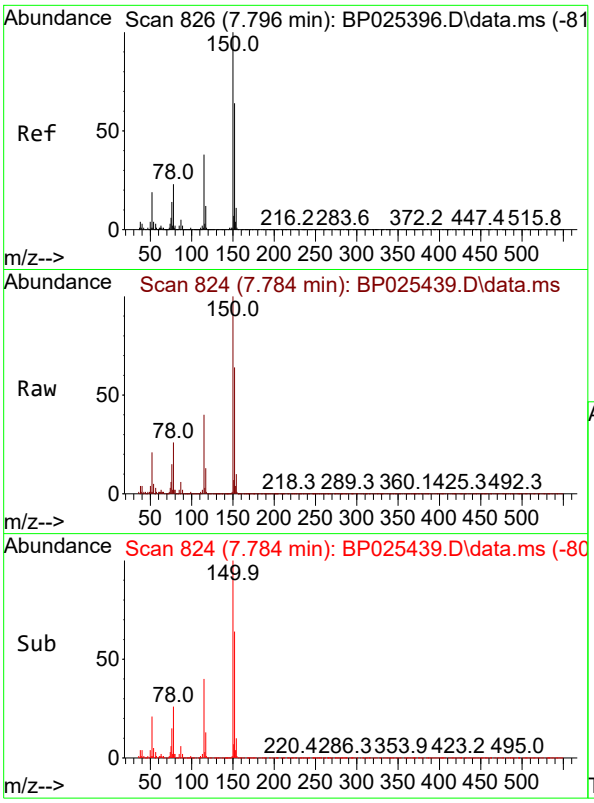
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025439.D
Acq On : 16 Aug 2025 00:31
Operator : CG/JU
Sample : PB169275BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169275BL

Quant Time: Aug 18 01:38:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



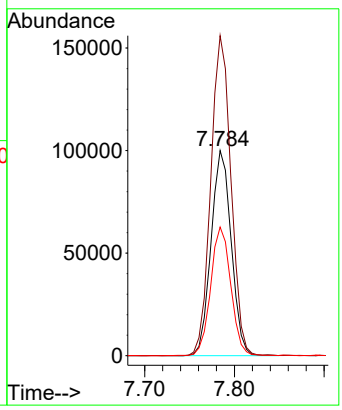


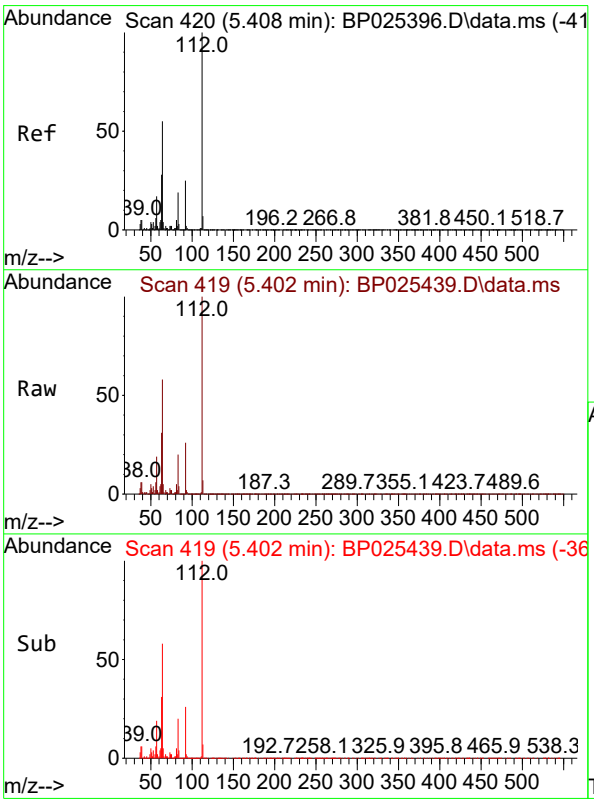
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Instrument :
BNA_P
ClientSampleId :
PB169275BL

Tgt Ion:152 Resp: 156038

Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.9	188.9
115	62.7	48.5	72.7

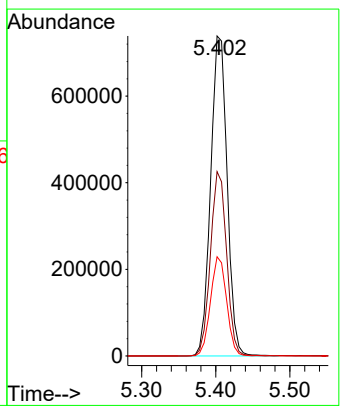


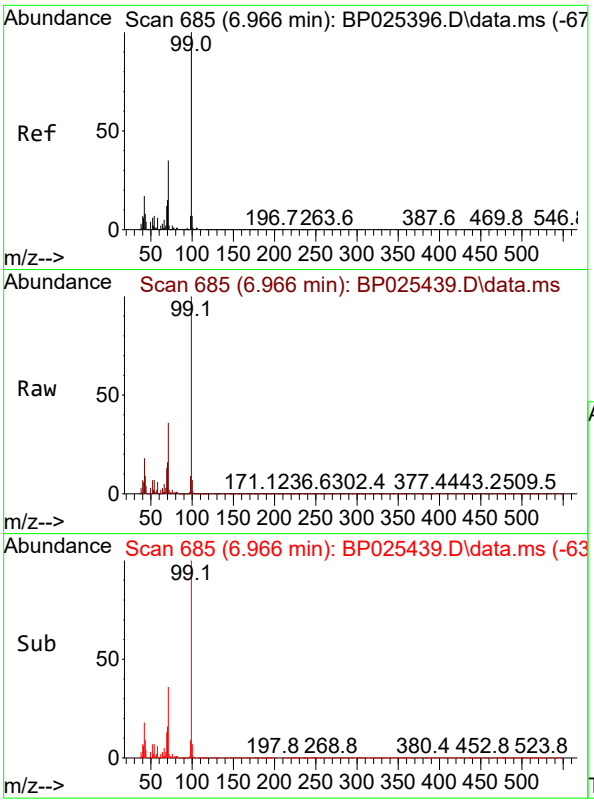


#5
2-Fluorophenol
Concen: 121.589 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Tgt Ion:112 Resp: 1142442

Ion	Ratio	Lower	Upper
112	100		
64	57.6	43.8	65.8
63	31.0	22.7	34.1



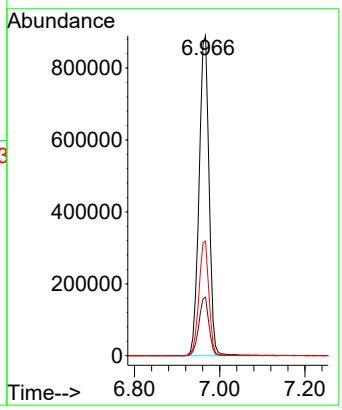


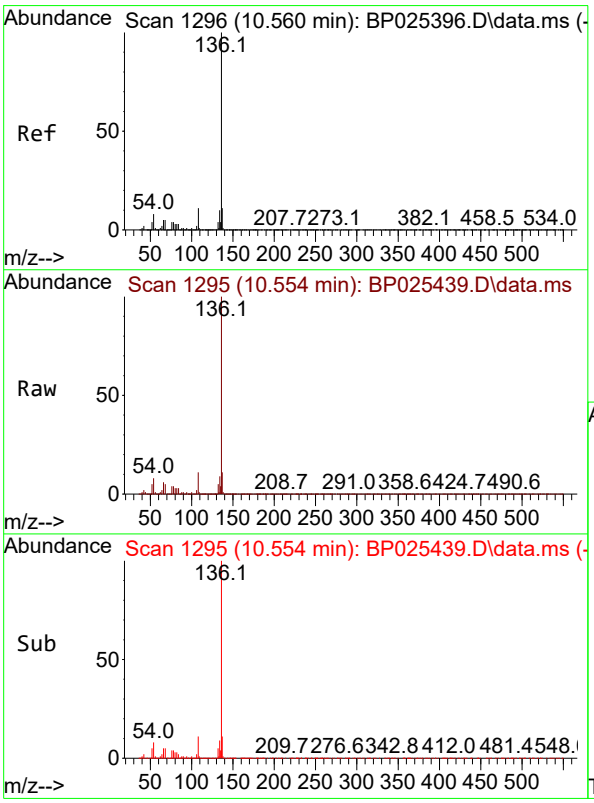
#7
Phenol-d6
Concen: 120.174 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Instrument :
BNA_P
ClientSampleId :
PB169275BL

Tgt Ion: 99 Resp: 1447662

Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.7	20.5
71	35.8	28.2	42.4

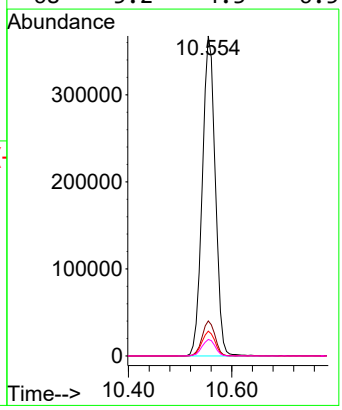


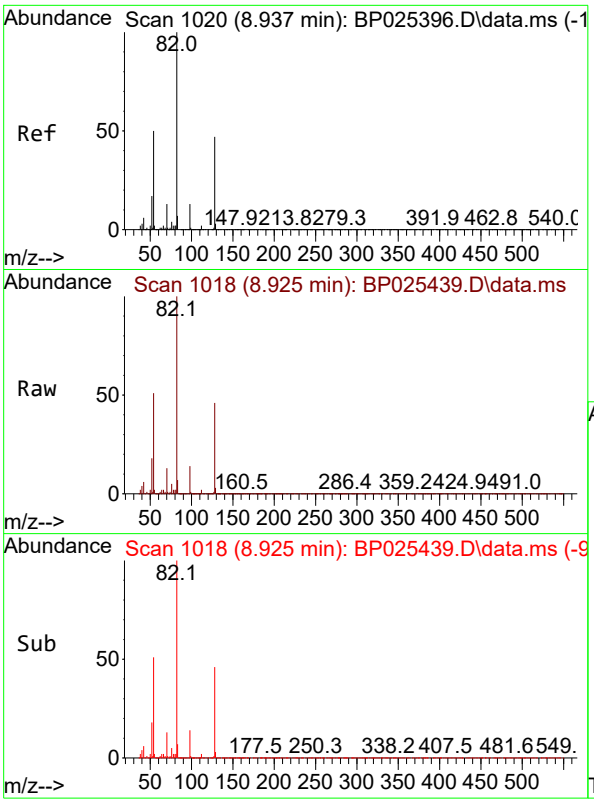


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Tgt Ion:136 Resp: 640900

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.8	6.0	9.0
68	5.2	4.3	6.5



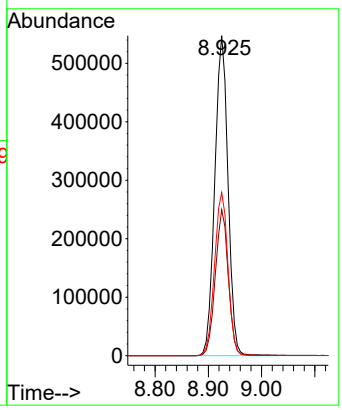


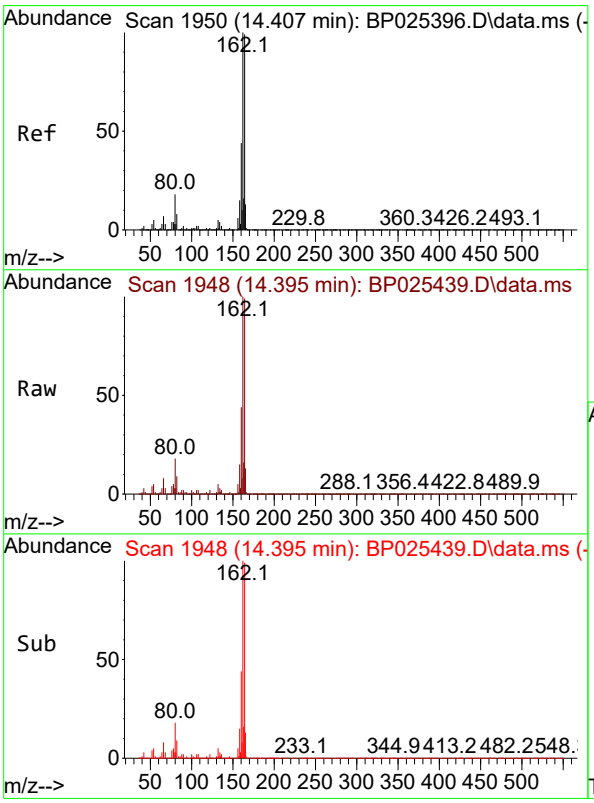
#23
Nitrobenzene-d5
Concen: 74.268 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Instrument :
BNA_P
ClientSampleId :
PB169275BL

Tgt Ion: 82 Resp: 940952

Ion	Ratio	Lower	Upper
82	100		
128	45.6	37.7	56.5
54	51.0	39.8	59.6

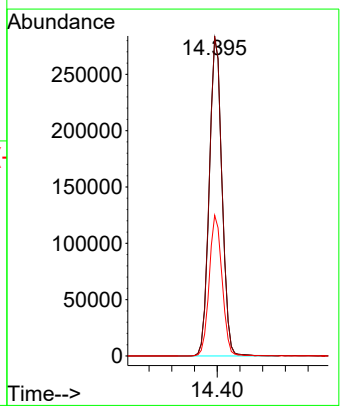


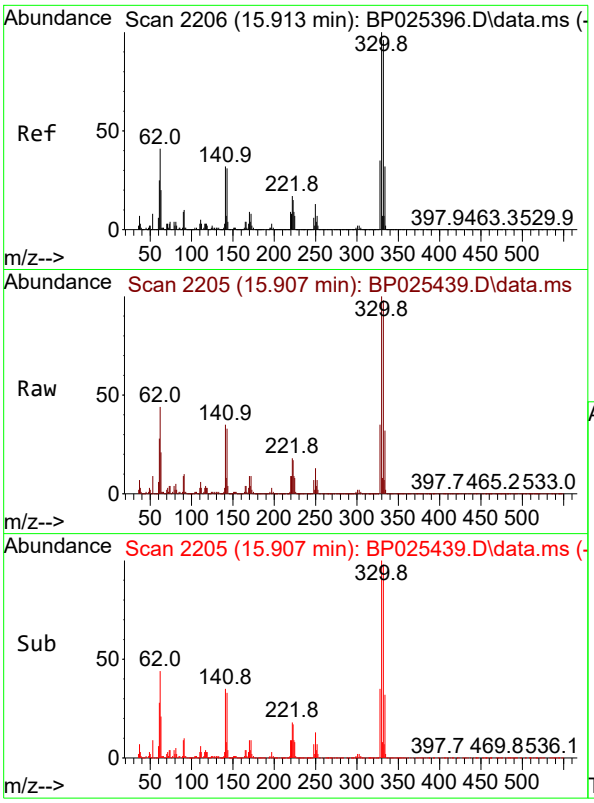


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Tgt Ion:164 Resp: 435066

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.0	121.6
160	44.3	35.4	53.2



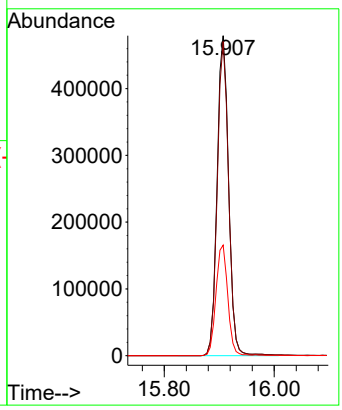


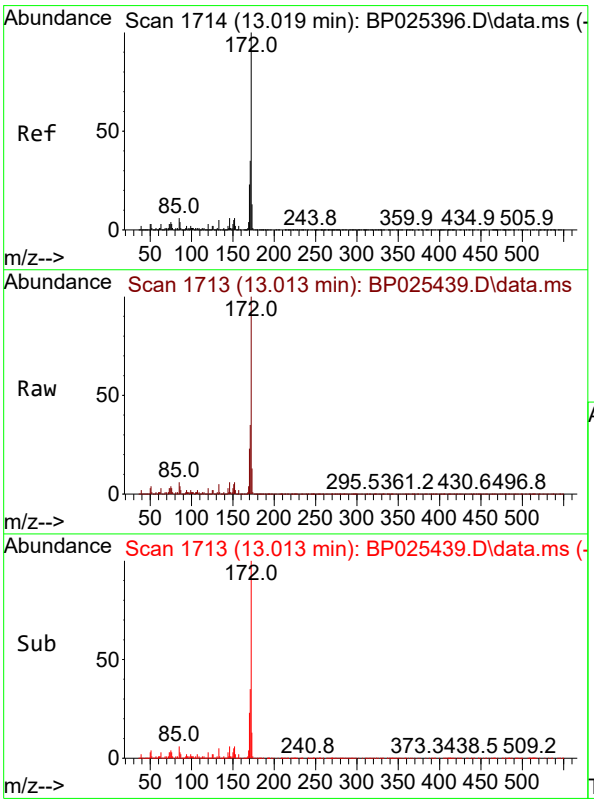
#42
2,4,6-Tribromophenol
Concen: 118.870 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Instrument :
BNA_P
ClientSampleId :
PB169275BL

Tgt Ion:330 Resp: 696105

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	35.4	26.6	39.8

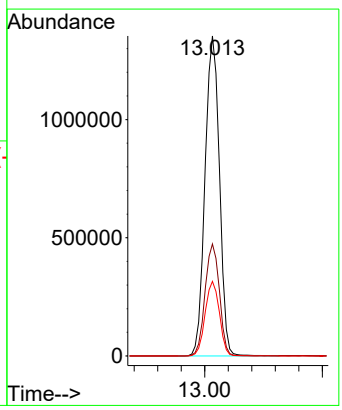


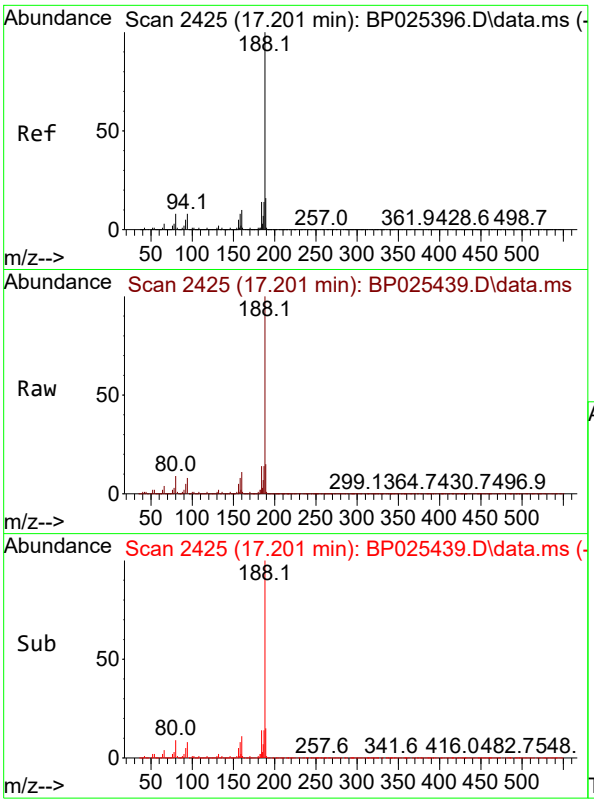


#45
2-Fluorobiphenyl
Concen: 72.390 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Tgt Ion:172 Resp: 2304439

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	23.3	18.6	28.0



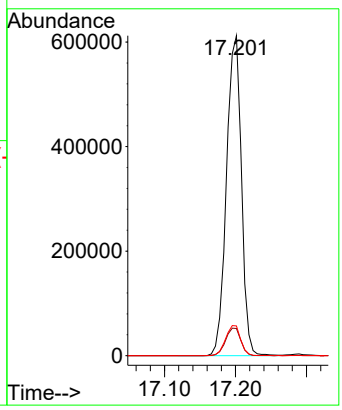


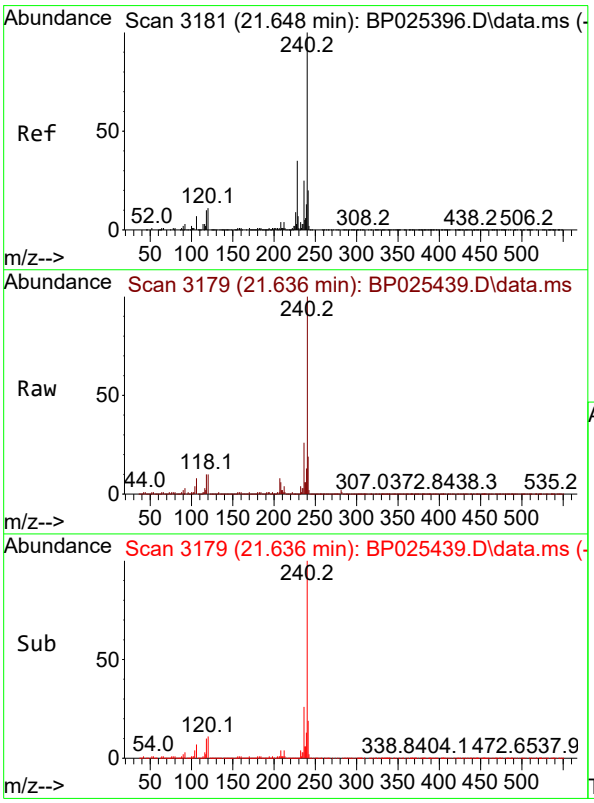
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Instrument :
BNA_P
ClientSampleId :
PB169275BL

Tgt Ion:188 Resp: 892449

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	6.7	10.1

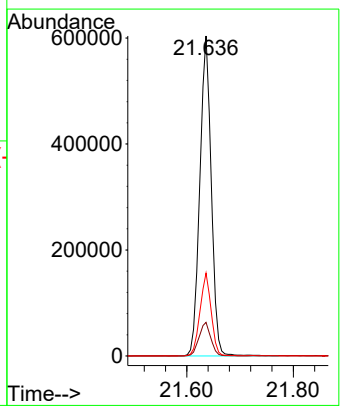


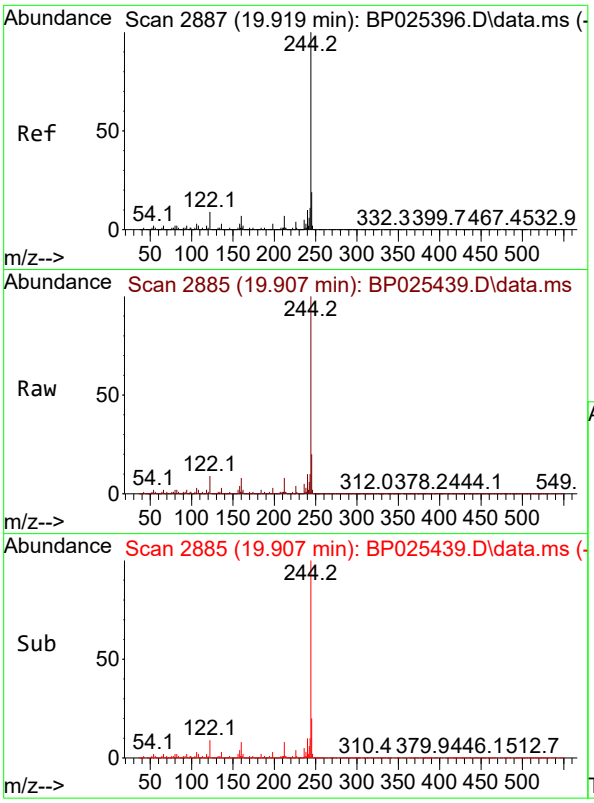


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Tgt Ion:240 Resp: 898807

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.9	19.8	29.8



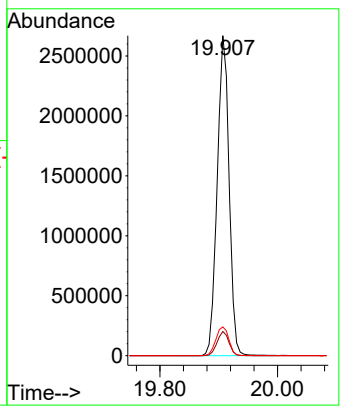


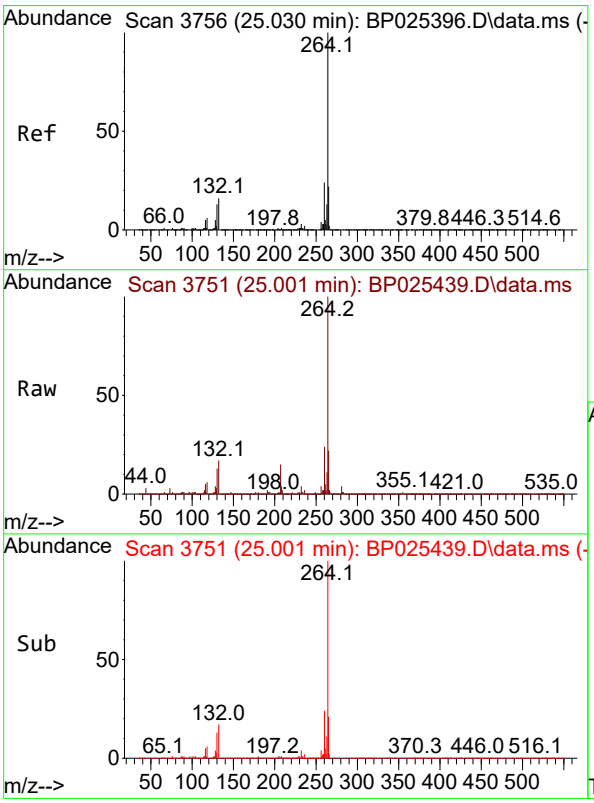
#79
Terphenyl-d14
Concen: 76.180 ng
RT: 19.907 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Instrument :
BNA_P
ClientSampleId :
PB169275BL

Tgt Ion:244 Resp: 3742479

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	9.0	7.4	11.2

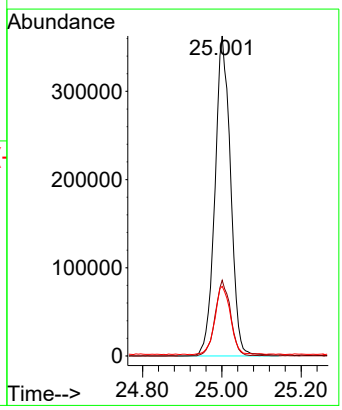




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025439.D
Acq: 16 Aug 2025 00:31

Tgt Ion:264 Resp: 991416

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	21.7	17.4	26.0



Raw Data: **BP025440.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169275BS	SDG No.:	Q2832
Lab Sample ID:	PB169275BS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025440.D	1	08/14/25 10:30	08/16/25 01:13	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	32.4		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	37.8		0.53	5.00	ug/L
95-48-7	2-Methylphenol	39.0		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	37.6		1.10	10.0	ug/L
67-72-1	Hexachloroethane	38.7		0.65	5.00	ug/L
98-95-3	Nitrobenzene	40.1		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	38.3		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	41.0		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	41.3		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	40.3		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	39.8		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	85.4	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	115		15 (23) - 110 (138)	77%	SPK: 150
13127-88-3	Phenol-d6	112		15 (10) - 110 (134)	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.9		30 (67) - 130 (132)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.6		30 (52) - 130 (132)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	108		15 (44) - 110 (137)	72%	SPK: 150
1718-51-0	Terphenyl-d14	68.6		30 (42) - 130 (152)	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	148000	7.79			
1146-65-2	Naphthalene-d8	581000	10.554			
15067-26-2	Acenaphthene-d10	359000	14.407			
1517-22-2	Phenanthrene-d10	676000	17.201			
1719-03-5	Chrysene-d12	782000	21.636			
1520-96-3	Perylene-d12	908000	24.995			

Raw Data: **BP025440.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:			
Project:	Amtrak Sawtooth Bridges 2025			Date Received:			
Client Sample ID:	PB169275BS			SDG No.:	Q2832		
Lab Sample ID:	PB169275BS			Matrix:	TCLP		
Analytical Method:	8270E			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025440.D	1	08/14/25 10:30	08/16/25 01:13	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025440.D
Acq On : 16 Aug 2025 01:13
Operator : CG/JU
Sample : PB169275BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 18 02:41:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	148044	20.000	ng		0.00
21) Naphthalene-d8	10.554	136	580625	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	358574	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	675805	20.000	ng		0.00
76) Chrysene-d12	21.636	240	782158	20.000	ng		-0.01
86) Perylene-d12	24.995	264	908232	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1024331	114.905	ng		0.00
7) Phenol-d6	6.966	99	1276933	111.725	ng		0.00
23) Nitrobenzene-d5	8.931	82	825841	71.949	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	519140	107.562	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	1852023	70.589	ng		0.00
79) Terphenyl-d14	19.925	244	2932093	68.586	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.325	88	111519	31.937	ng		99
3) Pyridine	3.725	79	309486	32.382	ng		96
4) n-Nitrosodimethylamine	3.625	42	160074	40.626	ng		90
6) Aniline	7.119	93	447538	29.063	ng		97
8) 2-Chlorophenol	7.360	128	402571	40.018	ng		99
9) Benzaldehyde	6.937	77	192085	23.988	ng		97
10) Phenol	6.990	94	479159	39.954	ng		96
11) bis(2-Chloroethyl)ether	7.213	93	350665	37.514	ng		98
12) 1,3-Dichlorobenzene	7.678	146	424285	38.250	ng		98
13) 1,4-Dichlorobenzene	7.825	146	429008	37.839	ng		98
14) 1,2-Dichlorobenzene	8.137	146	408187	37.192	ng		99
15) Benzyl Alcohol	8.019	79	341557	37.611	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.307	45	481340	38.440	ng		98
17) 2-Methylphenol	8.225	107	324461	38.954	ng		99
18) Hexachloroethane	8.860	117	161126	38.652	ng		99
19) n-Nitroso-di-n-propyla...	8.584	70	261796	34.581	ng		96
20) 3+4-Methylphenols	8.543	107	434147	37.603	ng		99
22) Acetophenone	8.596	105	560498	38.493	ng	#	97
24) Nitrobenzene	8.972	77	411470	40.112	ng		99
25) Isophorone	9.496	82	736234	36.244	ng		99
26) 2-Nitrophenol	9.672	139	203514	38.658	ng		96
27) 2,4-Dimethylphenol	9.737	122	362331	40.021	ng		99
28) bis(2-Chloroethoxy)met...	9.966	93	460615	37.513	ng		97
29) 2,4-Dichlorophenol	10.207	162	368265	40.947	ng		99
30) 1,2,4-Trichlorobenzene	10.419	180	382255	38.772	ng		96
31) Naphthalene	10.607	128	1154178	38.245	ng		99
32) Benzoic acid	9.860	122	254526	38.080	ng		96
33) 4-Chloroaniline	10.707	127	287154	21.541	ng		98
34) Hexachlorobutadiene	10.896	225	235114	38.293	ng		97
35) Caprolactam	11.484	113	118360	35.891	ng		94
36) 4-Chloro-3-methylphenol	11.831	107	401250	38.881	ng		96
37) 2-Methylnaphthalene	12.213	142	735380	37.445	ng		99
38) 1-Methylnaphthalene	12.431	142	756958	36.243	ng		100
40) 1,2,4,5-Tetrachloroben...	12.584	216	412119	39.795	ng		98
41) Hexachlorocyclopentadiene	12.566	237	453436	72.487	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	286973	41.046	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025440.D
Acq On : 16 Aug 2025 01:13
Operator : CG/JU
Sample : PB169275BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 18 02:41:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	316553	41.312	ng	97
46) 1,1'-Biphenyl	13.225	154	1038303	39.871	ng	100
47) 2-Chloronaphthalene	13.266	162	798368	39.380	ng	100
48) 2-Nitroaniline	13.466	65	242905	41.121	ng	96
49) Acenaphthylene	14.125	152	1312312	39.119	ng	100
50) Dimethylphthalate	13.848	163	998504	38.027	ng	99
51) 2,6-Dinitrotoluene	13.966	165	221290	39.984	ng	98
52) Acenaphthene	14.466	154	758509m	38.520	ng	
53) 3-Nitroaniline	14.290	138	172254	27.664	ng	94
54) 2,4-Dinitrophenol	14.501	184	201749	68.261	ng	95
55) Dibenzofuran	14.807	168	1200726	38.569	ng	98
56) 4-Nitrophenol	14.613	139	414800	81.067	ng	94
57) 2,4-Dinitrotoluene	14.760	165	318473	40.332	ng	99
58) Fluorene	15.466	166	926864	37.731	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.037	232	268117	39.628	ng	98
60) Diethylphthalate	15.237	149	1005774	37.696	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	455728	37.302	ng	98
62) 4-Nitroaniline	15.478	138	226098	35.419	ng	94
63) Azobenzene	15.760	77	901060	39.441	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	145391	34.513	ng	95
66) n-Nitrosodiphenylamine	15.678	169	837361	40.633	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	297875	40.077	ng	93
68) Hexachlorobenzene	16.495	284	343286	39.843	ng	99
69) Atrazine	16.648	200	308033	39.912	ng	97
70) Pentachlorophenol	16.842	266	464522	85.409	ng	98
71) Phenanthrene	17.242	178	1487597	40.071	ng	99
72) Anthracene	17.336	178	1562142	41.205	ng	99
73) Carbazole	17.613	167	1487469	41.655	ng	99
74) Di-n-butylphthalate	18.213	149	1713786	39.008	ng	99
75) Fluoranthene	19.325	202	1857132	41.938	ng	99
77) Benzidine	19.513	184	1155068	43.272	ng	99
78) Pyrene	19.701	202	1964133	38.635	ng	99
80) Butylbenzylphthalate	20.648	149	908498	39.431	ng	99
81) Benzo(a)anthracene	21.613	228	2109915	40.903	ng	100
82) 3,3'-Dichlorobenzidine	21.530	252	648008	33.328	ng	100
83) Chrysene	21.677	228	1999016	41.381	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	1346772	39.708	ng	100
85) Di-n-octyl phthalate	22.848	149	2392459	41.010	ng	98
87) Indeno(1,2,3-cd)pyrene	28.812	276	2753599	41.342	ng	98
88) Benzo(b)fluoranthene	23.948	252	2179936	40.704	ng	99
89) Benzo(k)fluoranthene	24.013	252	2191943	40.900	ng	99
90) Benzo(a)pyrene	24.842	252	2111811	40.509	ng	99
91) Dibenzo(a,h)anthracene	28.895	278	2223171	40.844	ng	100
92) Benzo(g,h,i)perylene	30.006	276	2209159	41.289	ng	99

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

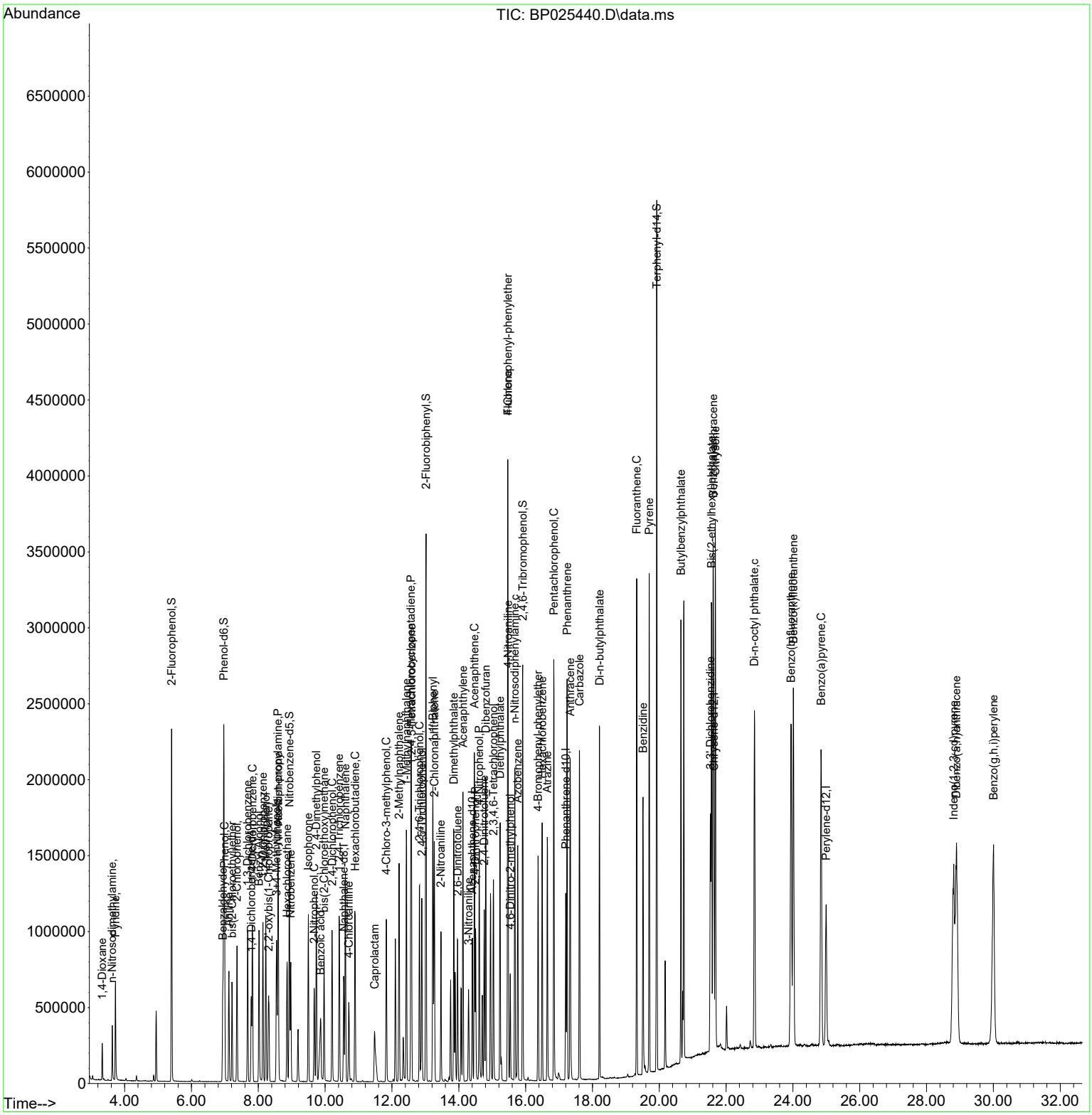
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025440.D
Acq On : 16 Aug 2025 01:13
Operator : CG/JU
Sample : PB169275BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

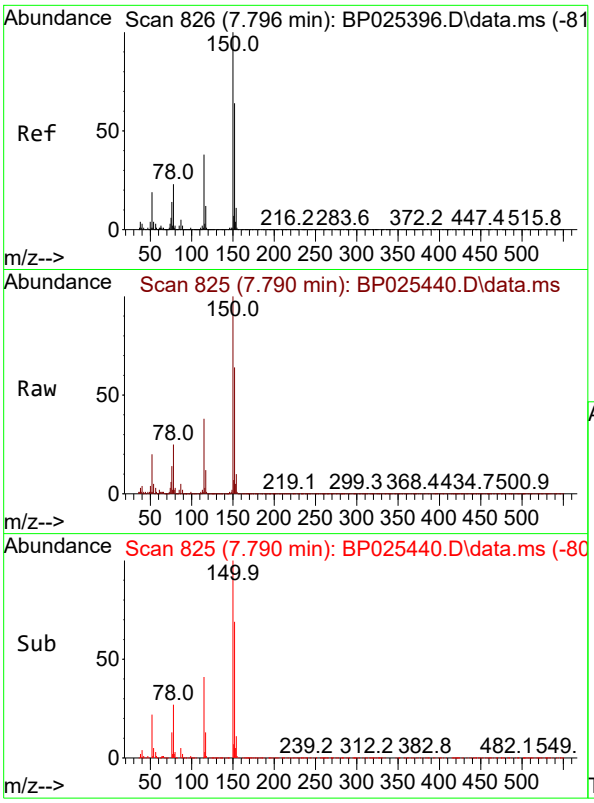
Quant Time: Aug 18 02:41:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

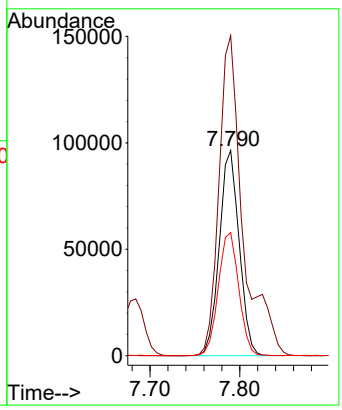




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:152 Resp: 14804

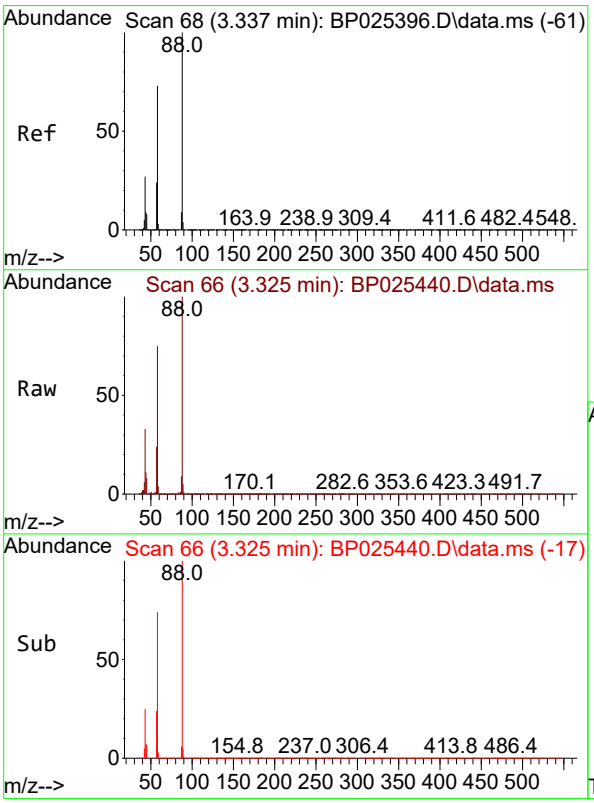
Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.9	188.9
115	60.0	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

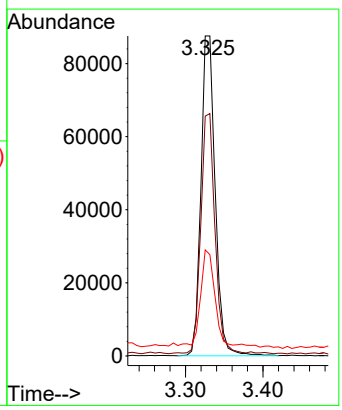
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

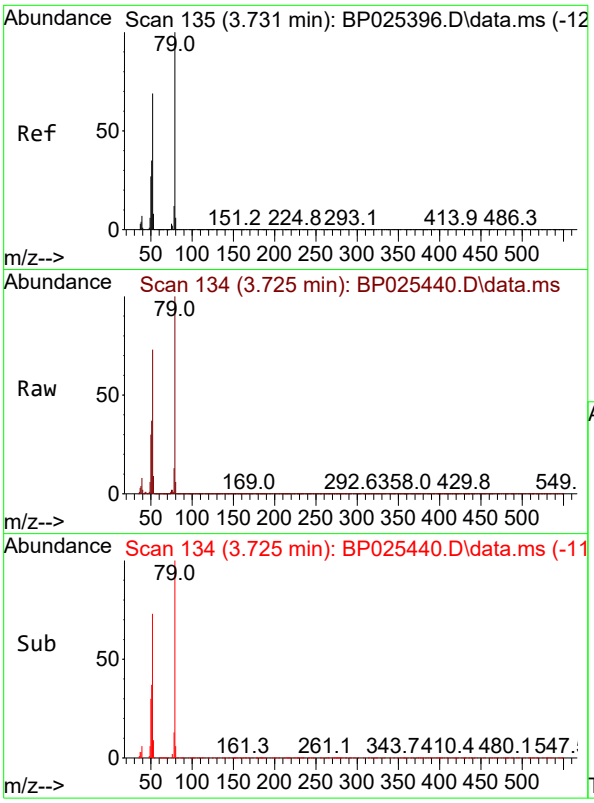


#2
1,4-Dioxane
Concen: 31.937 ng
RT: 3.325 min Scan# 66
Delta R.T. -0.012 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 88 Resp: 111519

Ion	Ratio	Lower	Upper
88	100		
58	74.8	59.2	88.8
43	28.3	21.7	32.5

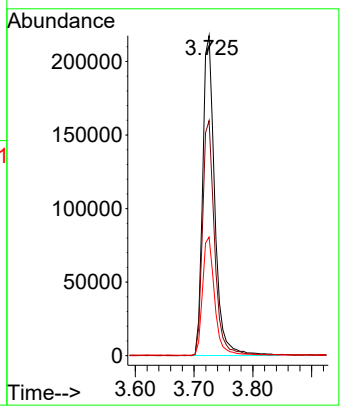




#3
Pyridine
Concen: 32.382 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 79 Resp: 30948

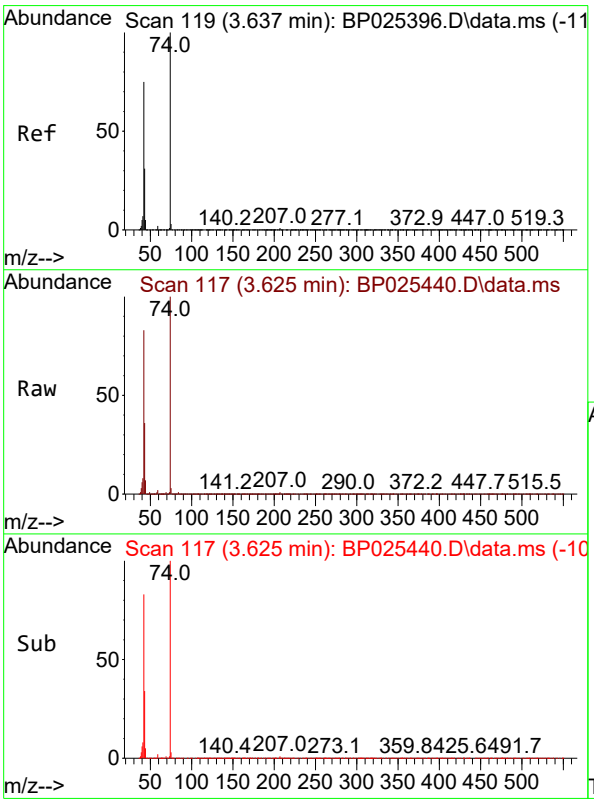
Ion	Ratio	Lower	Upper
79	100		
52	73.5	55.5	83.3
51	37.1	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

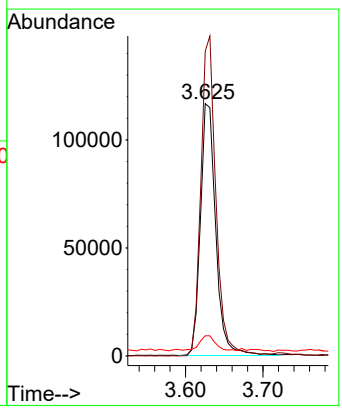
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

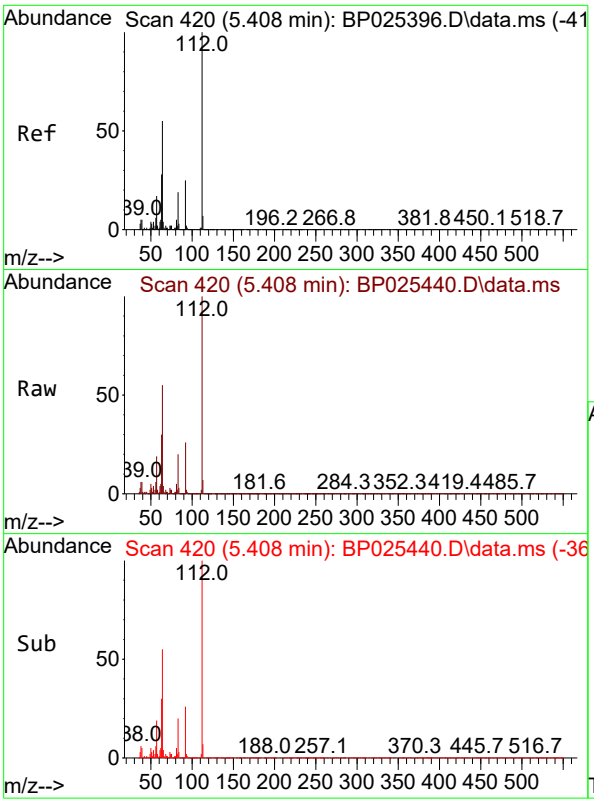


#4
n-Nitrosodimethylamine
Concen: 40.626 ng
RT: 3.625 min Scan# 117
Delta R.T. -0.012 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 42 Resp: 160074

Ion	Ratio	Lower	Upper
42	100		
74	120.8	107.0	160.4
44	8.0	6.2	9.4

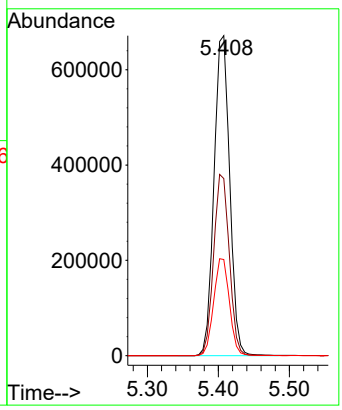




#5
2-Fluorophenol
Concen: 114.905 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:112 Resp: 102433

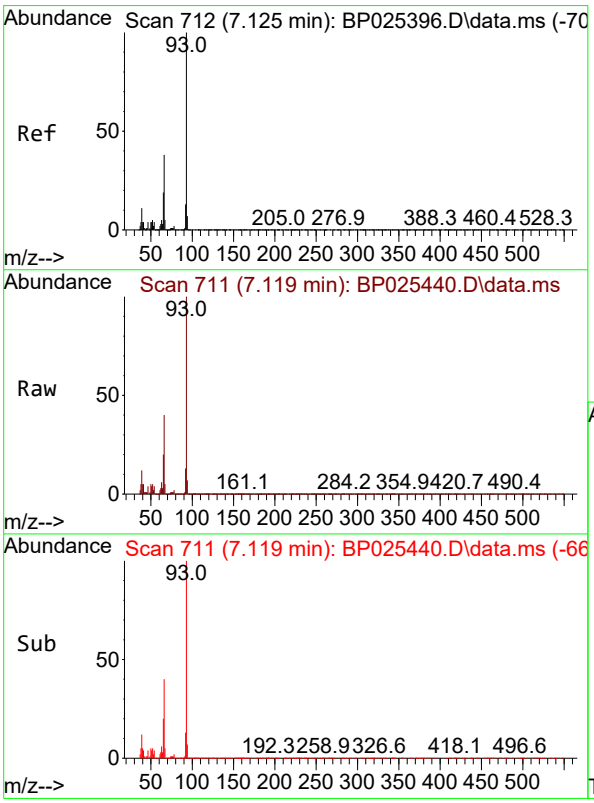
Ion	Ratio	Lower	Upper
112	100		
64	55.3	43.8	65.8
63	30.1	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

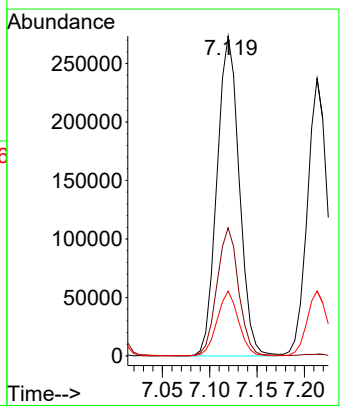
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

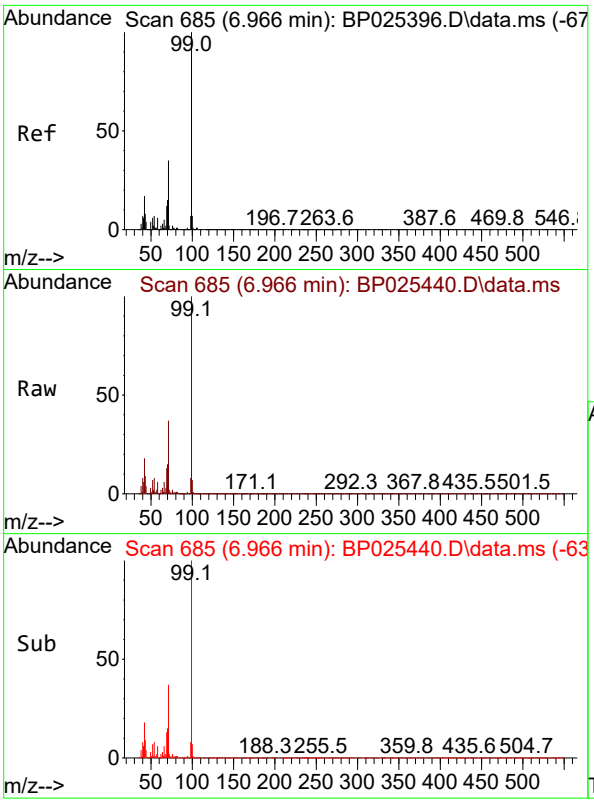


#6
Aniline
Concen: 29.063 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 93 Resp: 447538

Ion	Ratio	Lower	Upper
93	100		
66	40.1	30.4	45.6
65	20.3	15.3	22.9

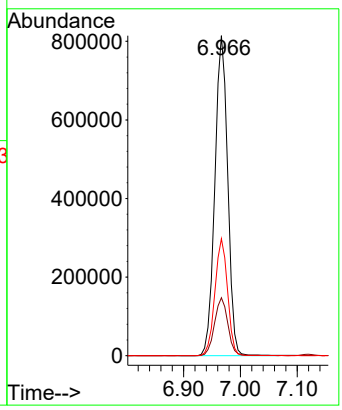




#7
Phenol-d6
Concen: 111.725 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 99 Resp: 127693

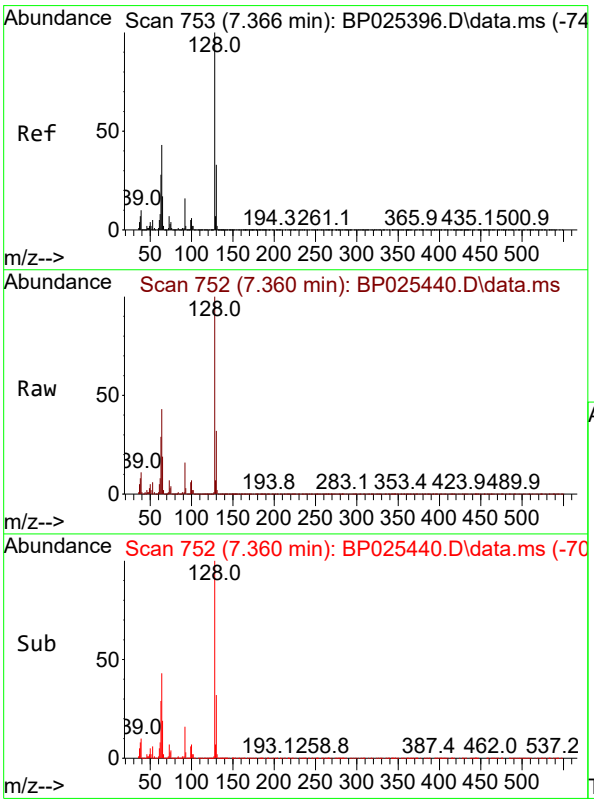
Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.7	20.5
71	36.5	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

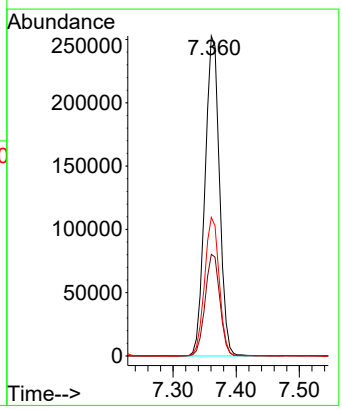
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

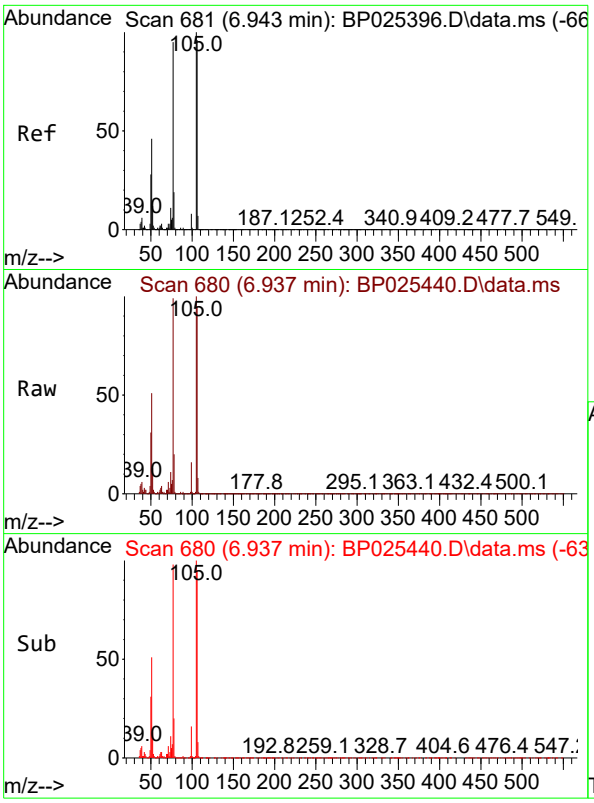


#8
2-Chlorophenol
Concen: 40.018 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:128 Resp: 402571

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.6	52.6
64	43.3	23.4	63.4

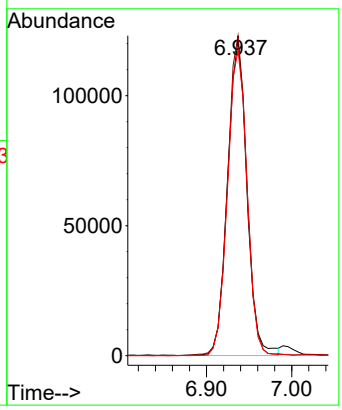




#9
Benzaldehyde
Concen: 23.988 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 77 Resp: 19208

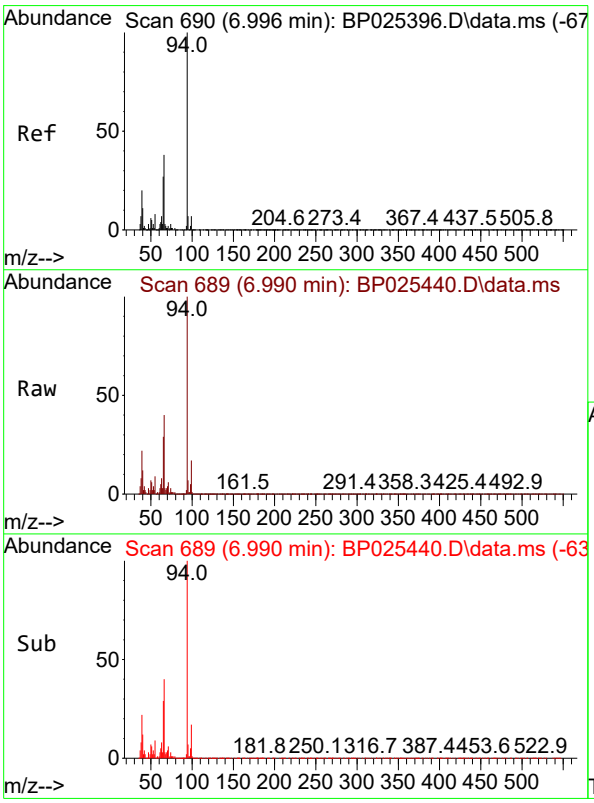
Ion	Ratio	Lower	Upper
77	100		
105	101.5	84.8	124.8
106	96.8	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

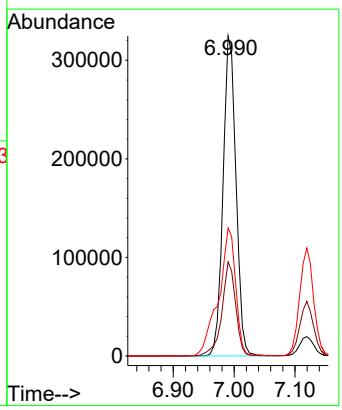
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

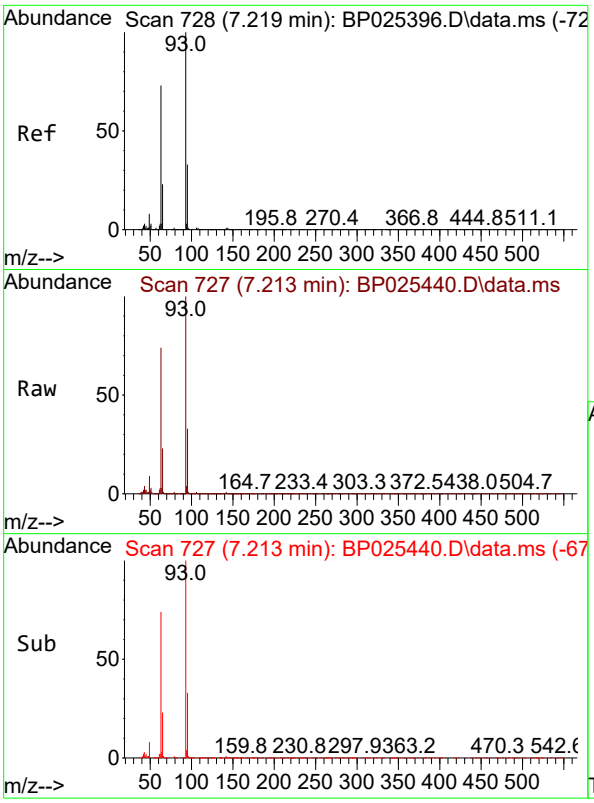


#10
Phenol
Concen: 39.954 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 94 Resp: 479159

Ion	Ratio	Lower	Upper
94	100		
65	29.4	6.8	46.8
66	40.0	18.2	58.2

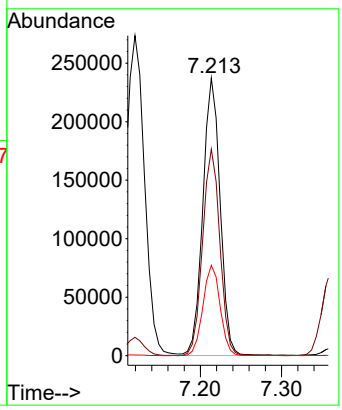




#11
bis(2-Chloroethyl)ether
Concen: 37.514 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 93 Resp: 35066

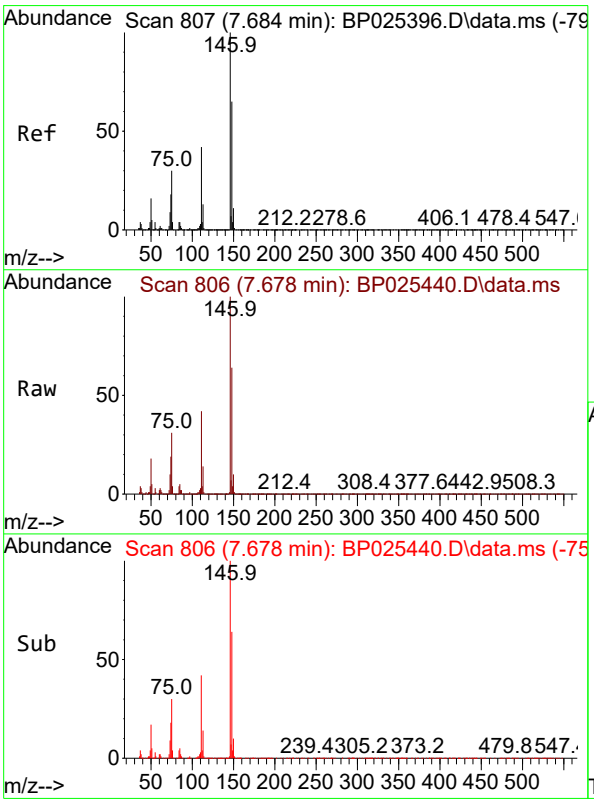
Ion	Ratio	Lower	Upper
93	100		
63	74.4	52.6	92.6
95	32.5	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

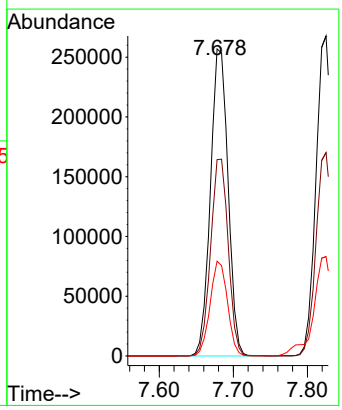
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

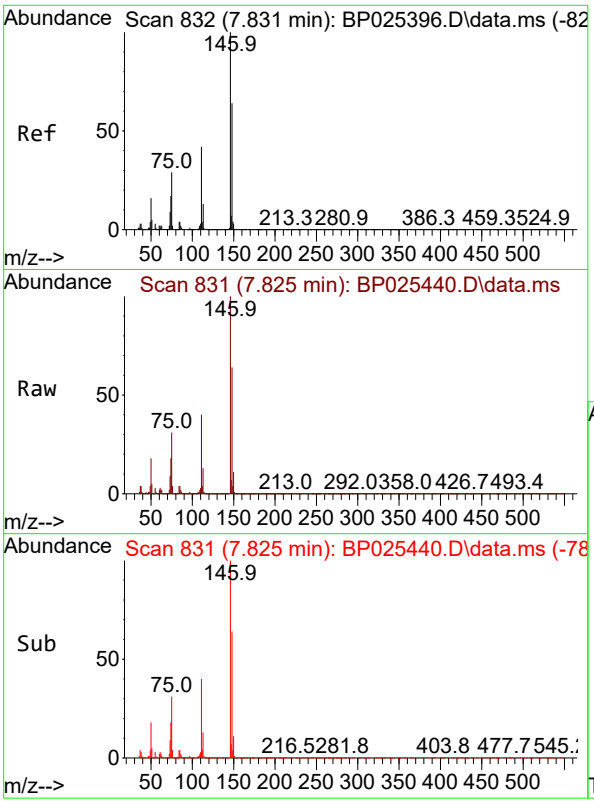


#12
1,3-Dichlorobenzene
Concen: 38.250 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:146 Resp: 424285

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.9	77.9
75	30.9	23.7	35.5

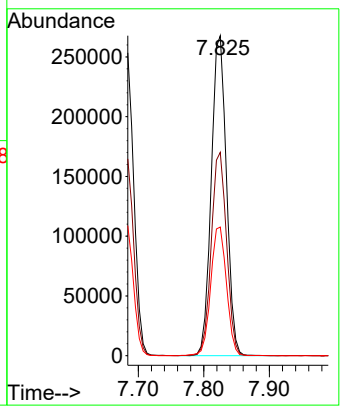




#13
1,4-Dichlorobenzene
Concen: 37.839 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:146 Resp: 42900

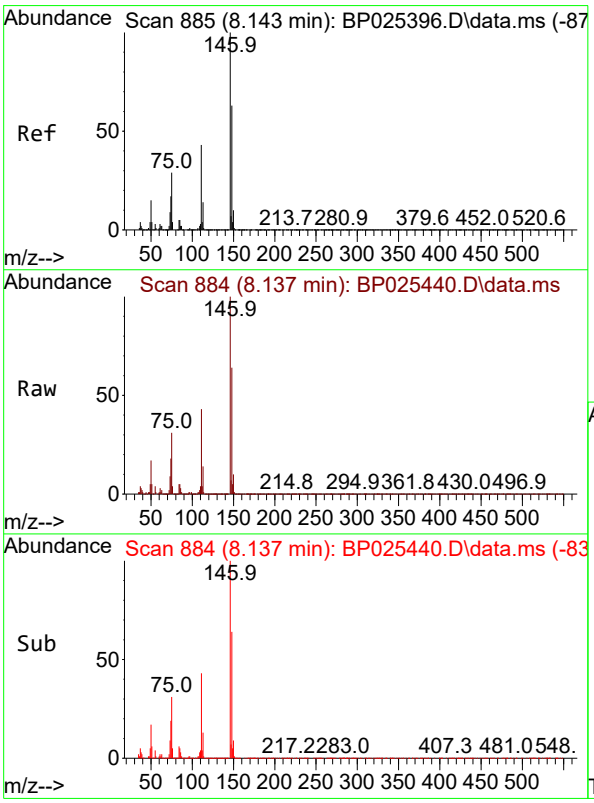
Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.6	77.4
111	40.2	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

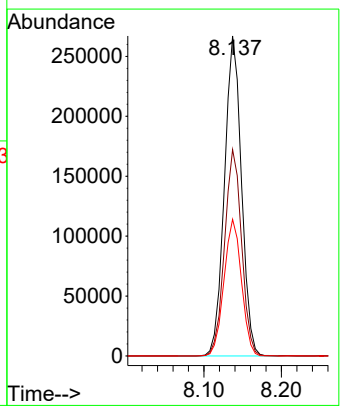
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

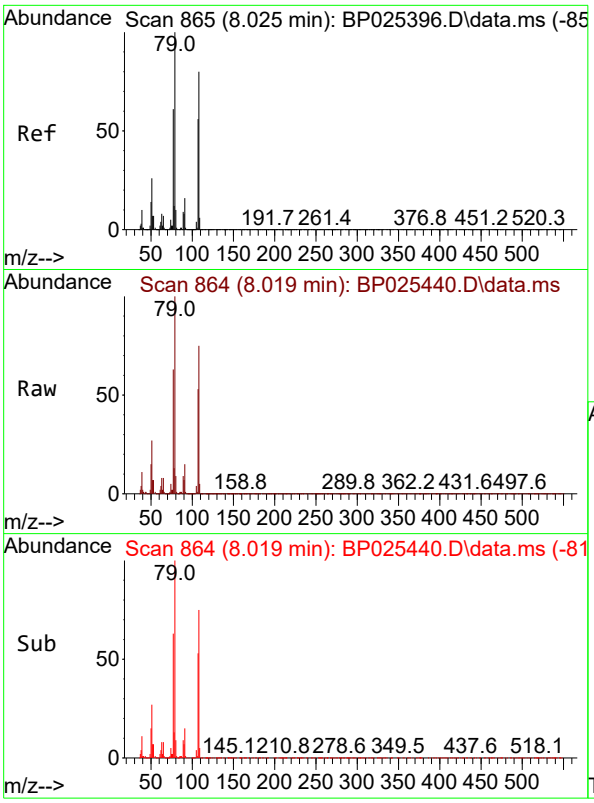


#14
1,2-Dichlorobenzene
Concen: 37.192 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:146 Resp: 408187

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.4	75.6
111	42.7	34.5	51.7

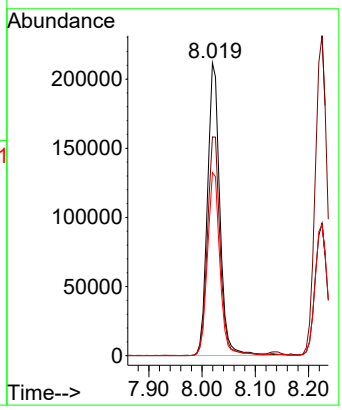




#15
Benzyl Alcohol
Concen: 37.611 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 79 Resp: 34155

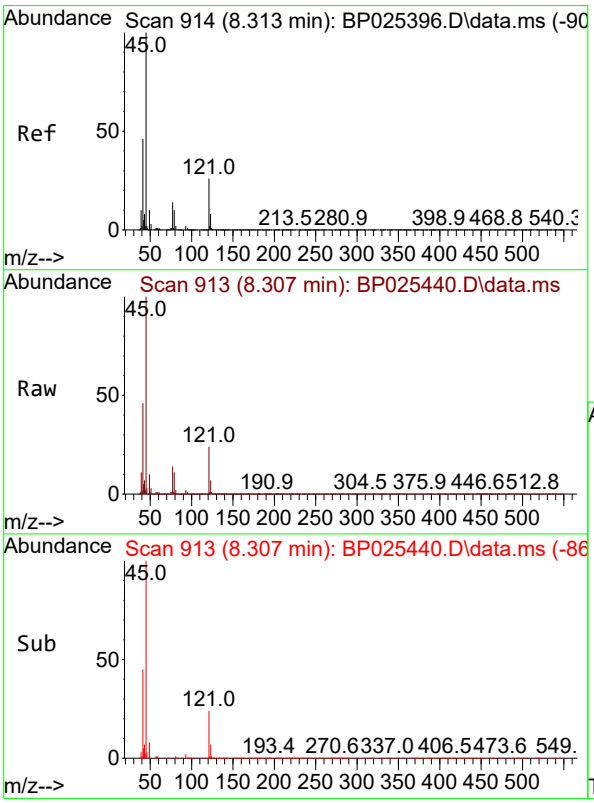
Ion	Ratio	Lower	Upper
79	100		
108	74.7	63.8	95.6
77	62.5	49.0	73.4



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

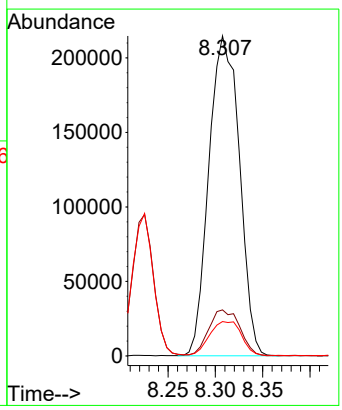
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

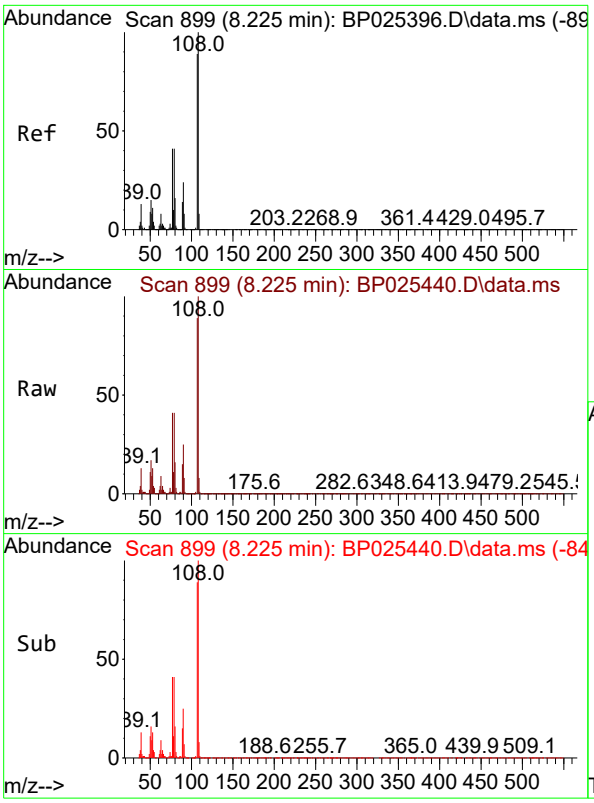


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.440 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 45 Resp: 481340

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	35.3
79	10.7	0.0	31.8

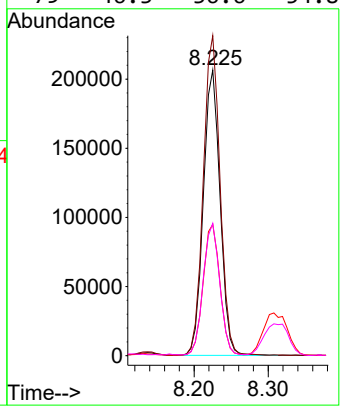




#17
2-Methylphenol
Concen: 38.954 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:107 Resp: 32446

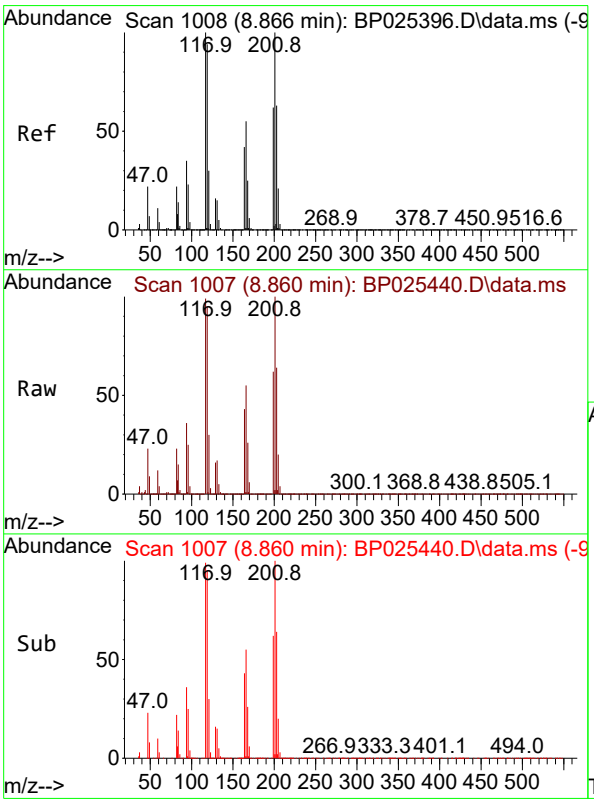
Ion	Ratio	Lower	Upper
107	100		
108	112.0	89.4	134.0
77	46.0	36.3	54.5
79	46.3	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

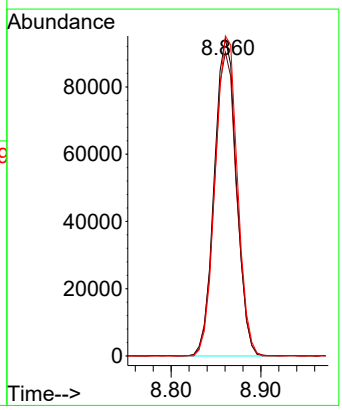
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

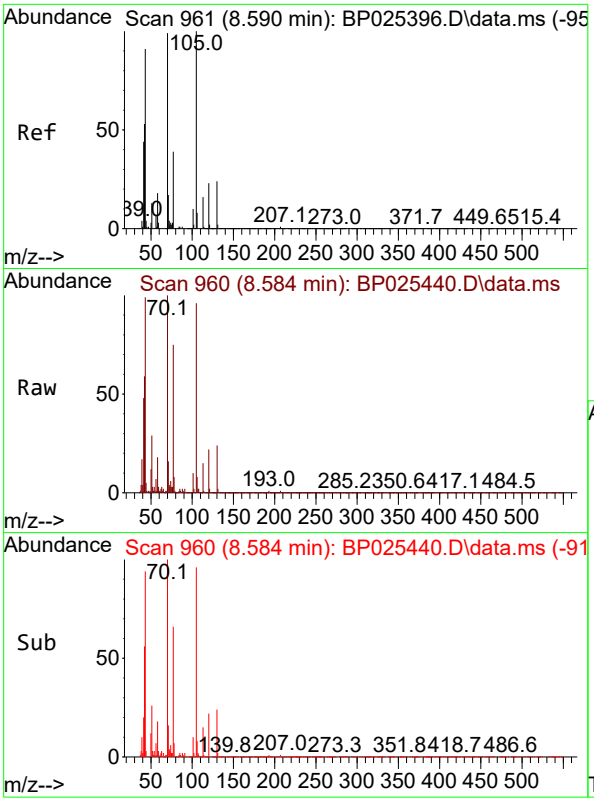


#18
Hexachloroethane
Concen: 38.652 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:117 Resp: 161126

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.1	112.7
201	100.9	80.1	120.1

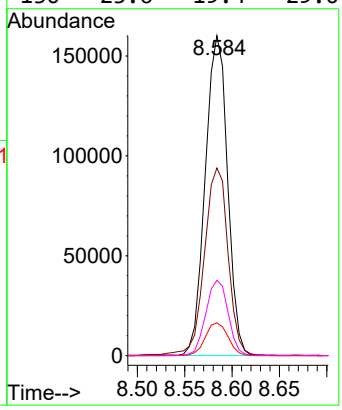




#19
n-Nitroso-di-n-propylamine
Concen: 34.581 ng
RT: 8.584 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 70 Resp: 26179(

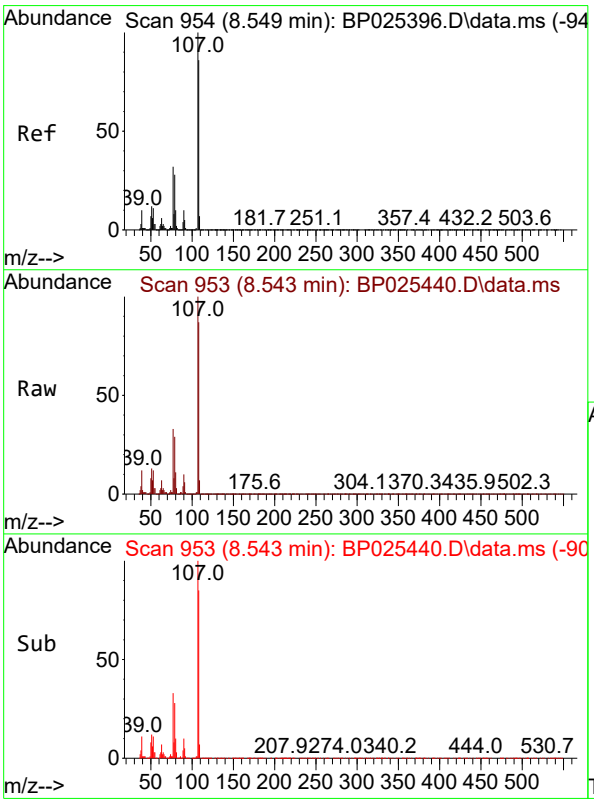
Ion	Ratio	Lower	Upper
70	100		
42	58.7	43.8	65.6
101	10.3	8.5	12.7
130	23.6	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

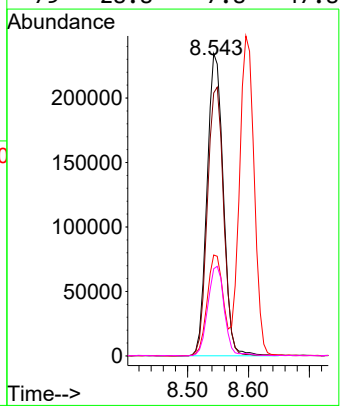
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

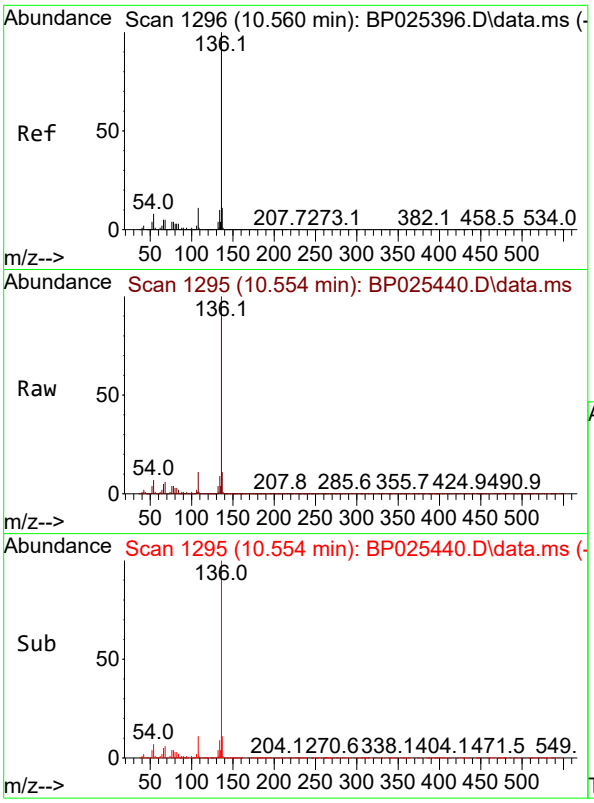


#20
3+4-Methylphenols
Concen: 37.603 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:107 Resp: 434147

Ion	Ratio	Lower	Upper
107	100		
108	87.0	66.3	106.3
77	33.4	12.3	52.3
79	28.8	7.8	47.8

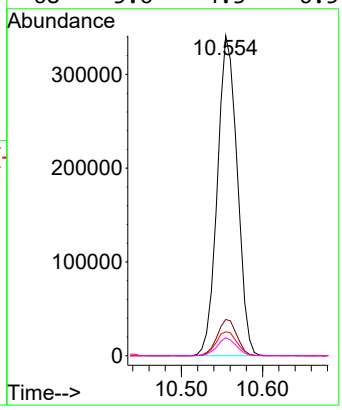




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:136 Resp: 58062

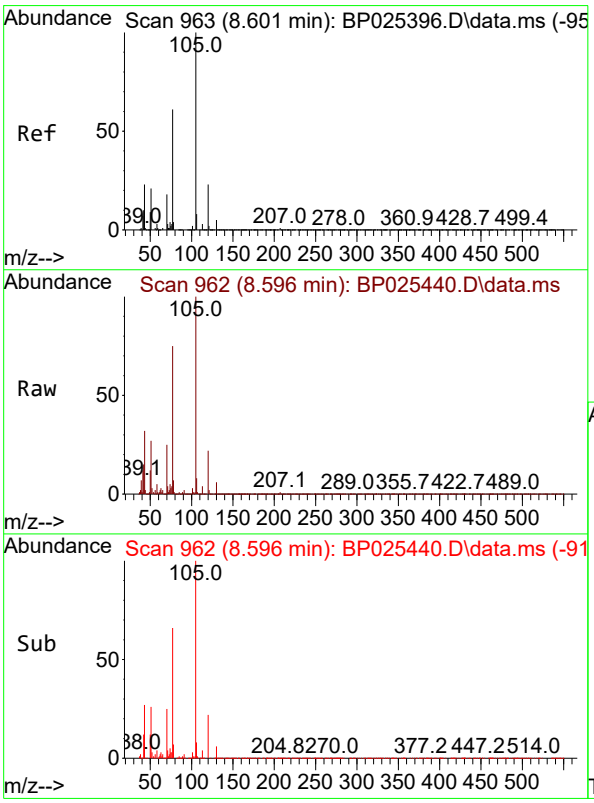
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	7.5	6.0	9.0
68	5.6	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

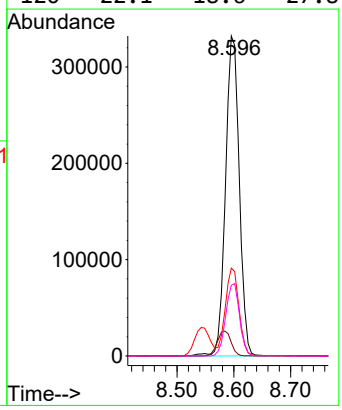
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

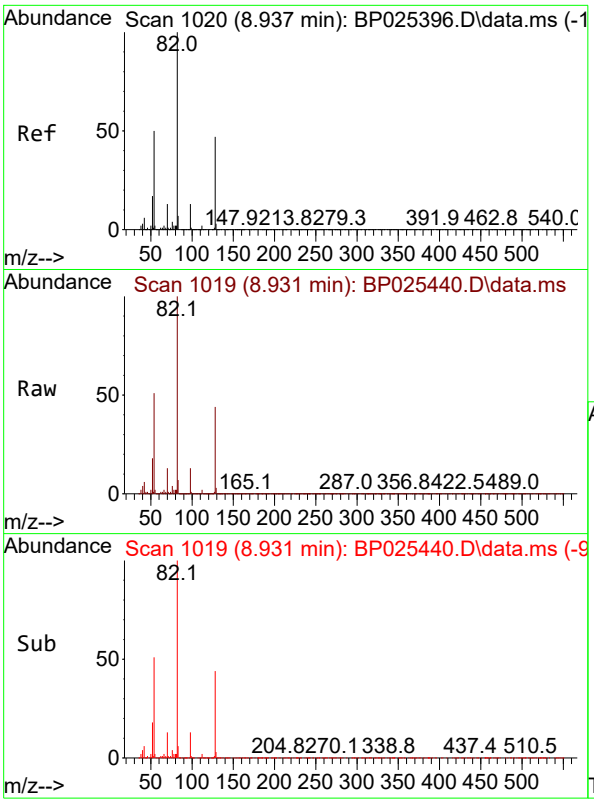


#22
Acetophenone
Concen: 38.493 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:105 Resp: 560498

Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.6	4.0#
51	27.5	20.6	30.8
120	22.1	18.6	27.8

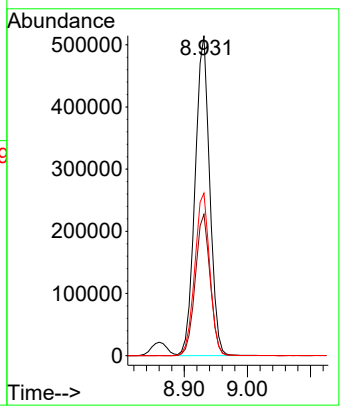




#23
Nitrobenzene-d5
Concen: 71.949 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 82 Resp: 82584

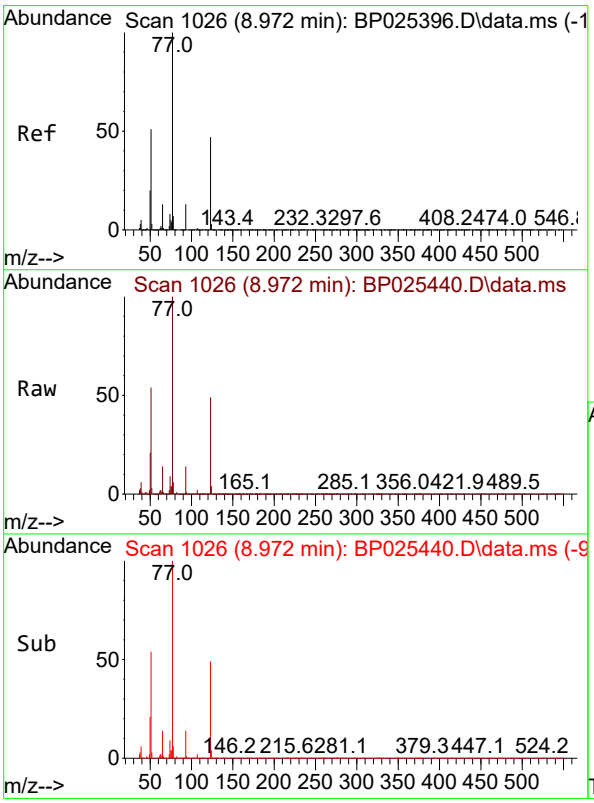
Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.7	56.5
54	50.8	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

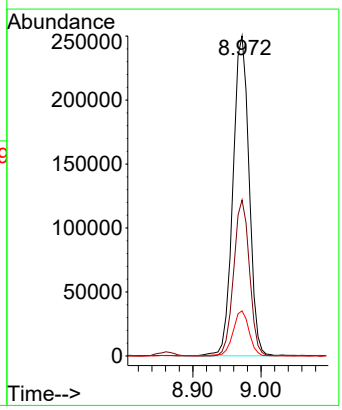
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

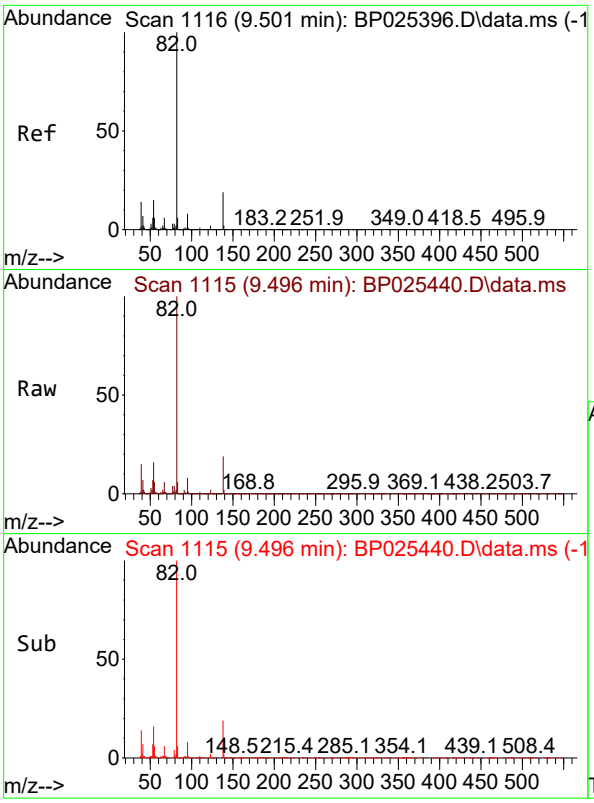


#24
Nitrobenzene
Concen: 40.112 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 77 Resp: 411470

Ion	Ratio	Lower	Upper
77	100		
123	48.8	38.6	58.0
65	14.1	10.6	15.8

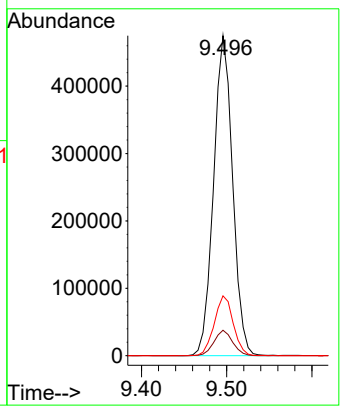




#25
Isophorone
Concen: 36.244 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 82 Resp: 73623

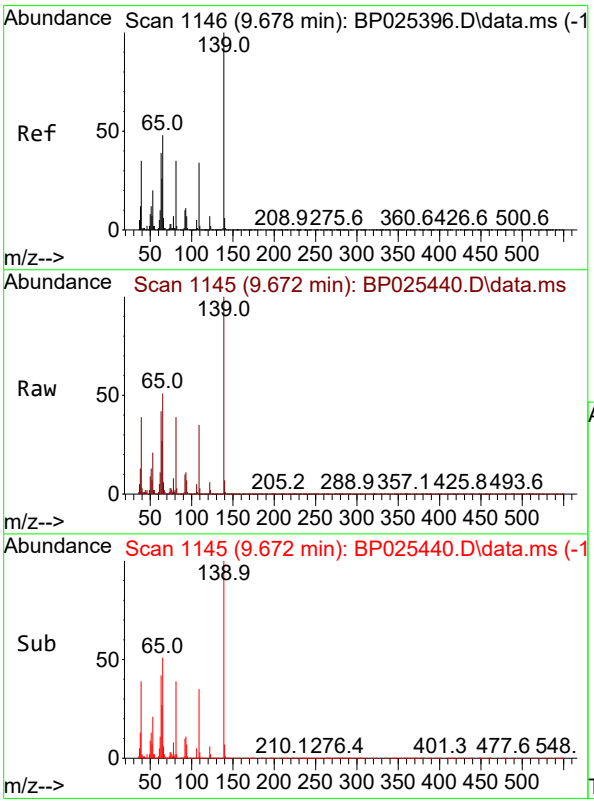
Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.7	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

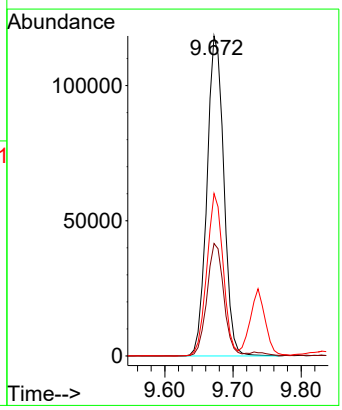
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

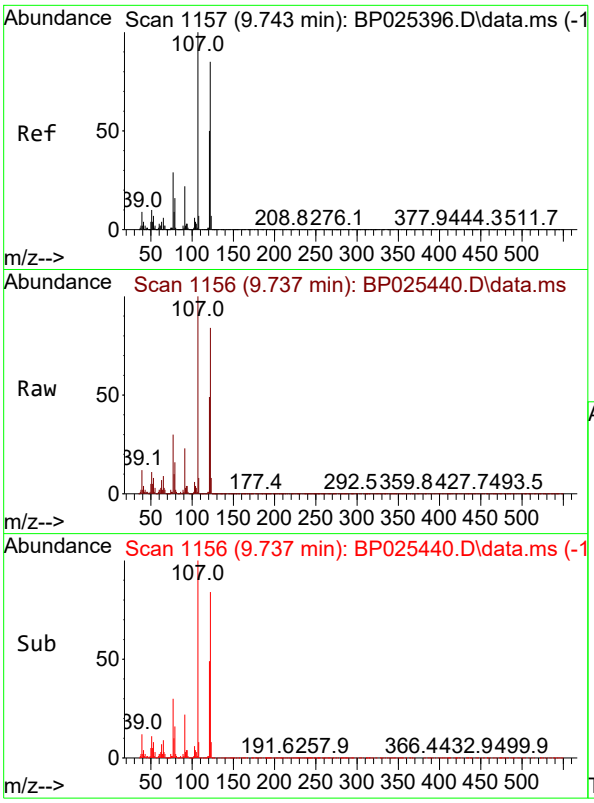


#26
2-Nitrophenol
Concen: 38.658 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:139 Resp: 203514

Ion	Ratio	Lower	Upper
139	100		
109	35.2	26.9	40.3
65	50.8	38.3	57.5

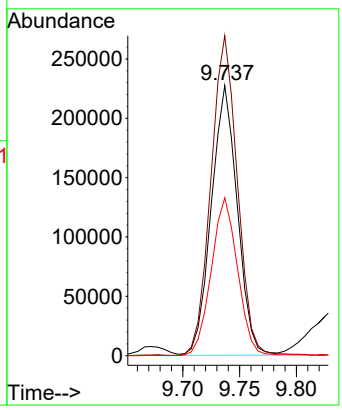




#27
2,4-Dimethylphenol
Concen: 40.021 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:122 Resp: 36233

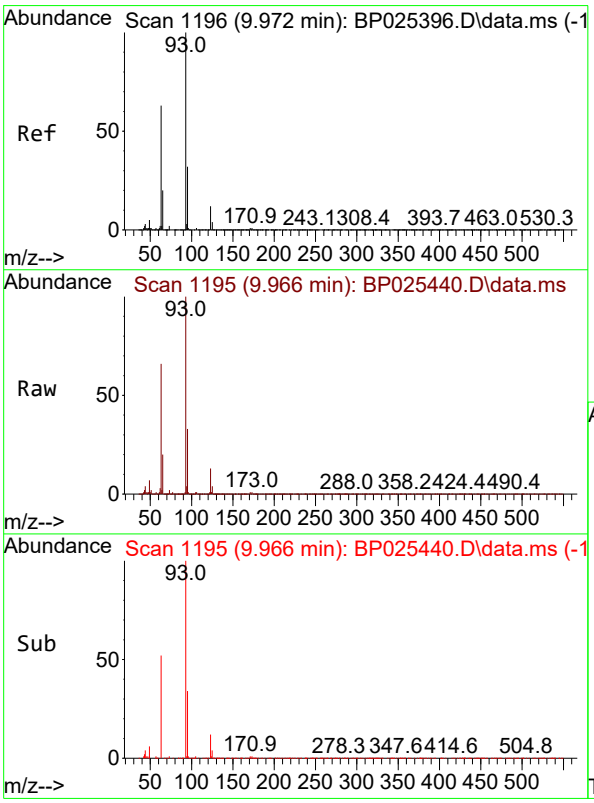
Ion	Ratio	Lower	Upper
122	100		
107	118.4	93.7	140.5
121	58.4	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

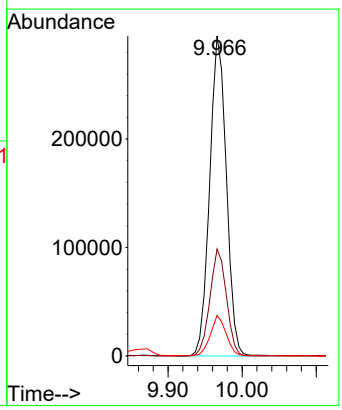
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

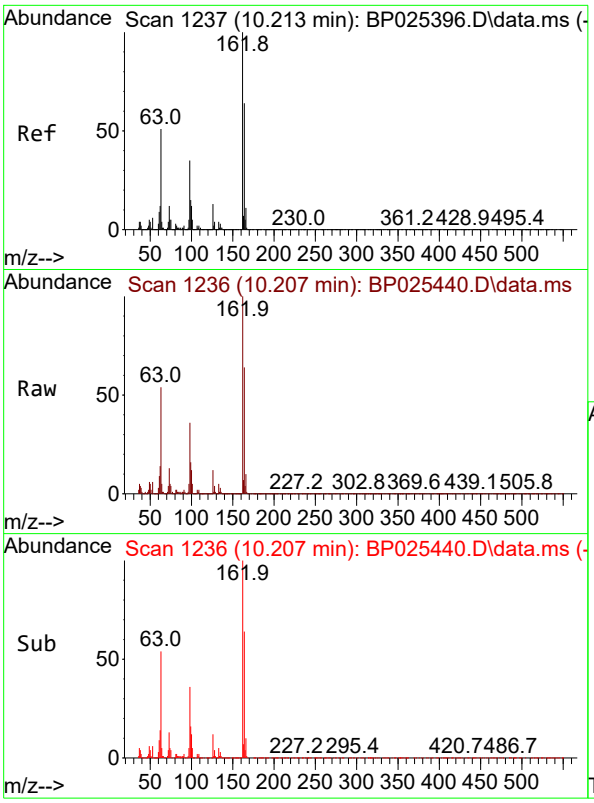


#28
bis(2-Chloroethoxy)methane
Concen: 37.513 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 93 Resp: 460615

Ion	Ratio	Lower	Upper
93	100		
95	33.4	25.4	38.0
123	12.7	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 40.947 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

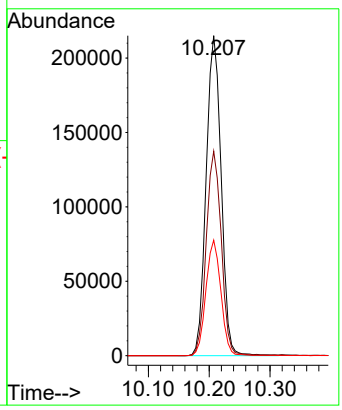
Tgt Ion:162 Resp: 36826

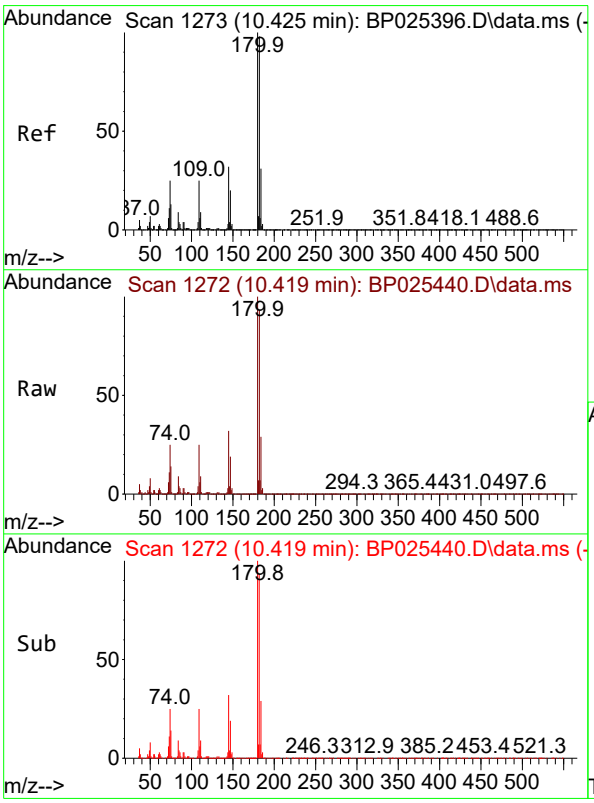
Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.4	84.4
98	36.1	14.9	54.9

Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

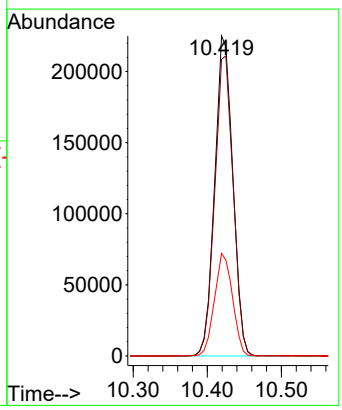


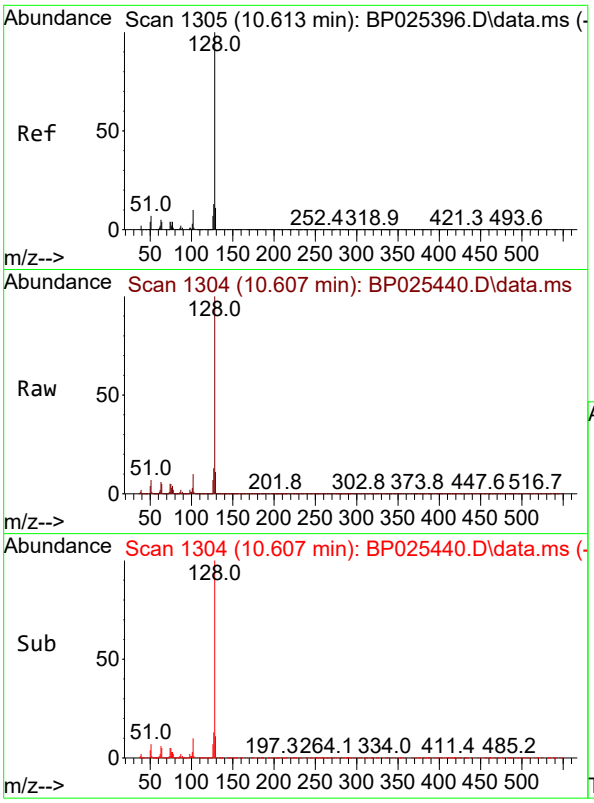


#30
1,2,4-Trichlorobenzene
Concen: 38.772 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:180 Resp: 382255

Ion	Ratio	Lower	Upper
180	100		
182	92.7	78.0	117.0
145	32.0	25.9	38.9

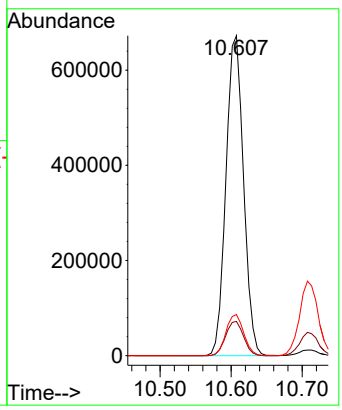




#31
Naphthalene
Concen: 38.245 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:128 Resp: 115417

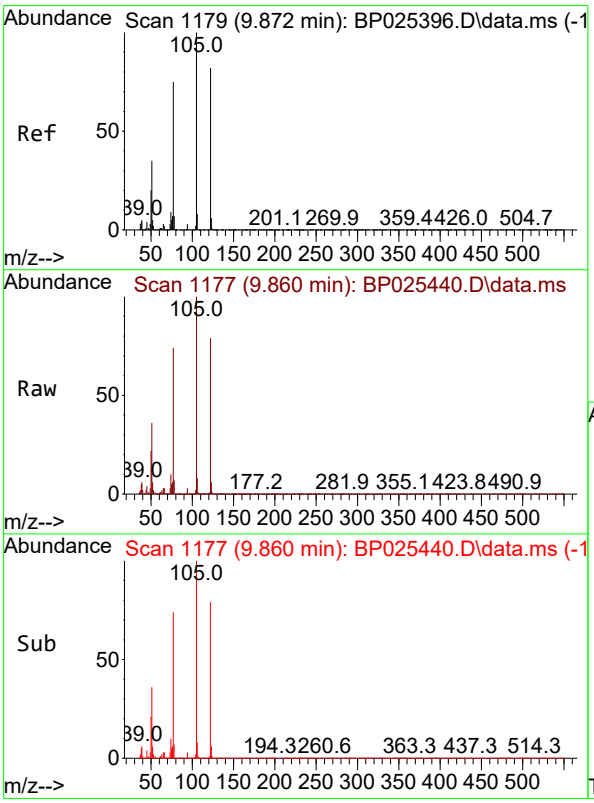
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	12.9	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

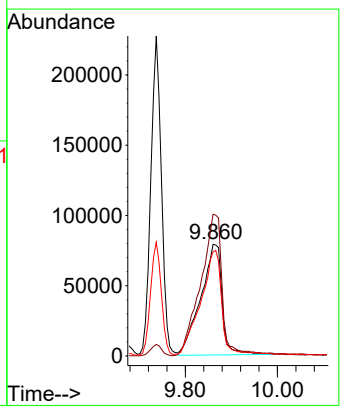
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

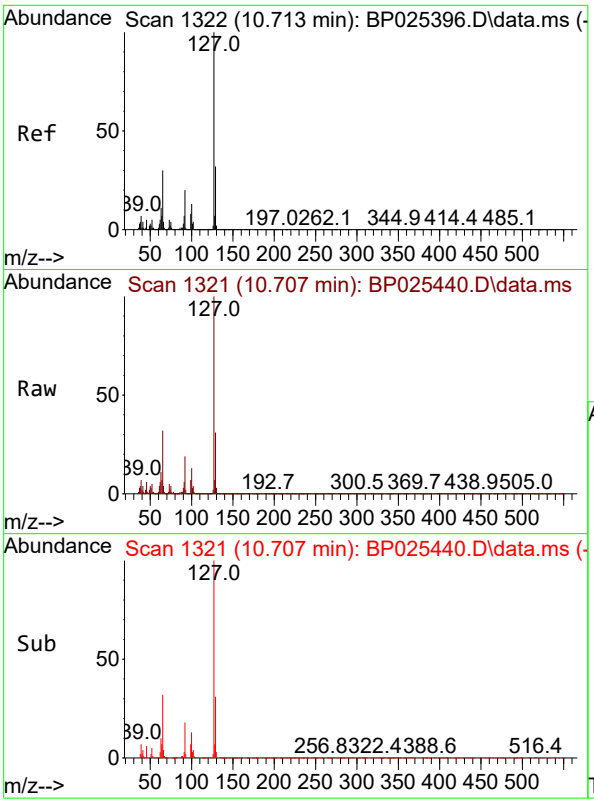


#32
Benzoic acid
Concen: 38.080 ng
RT: 9.860 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:122 Resp: 254526

Ion	Ratio	Lower	Upper
122	100		
105	126.8	100.6	140.6
77	93.4	71.5	111.5

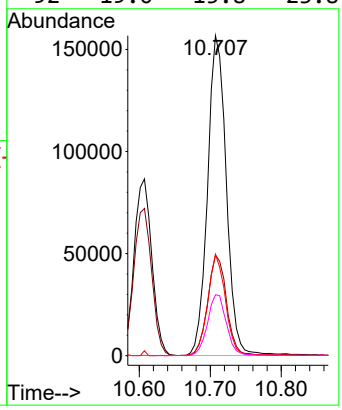




#33
4-Chloroaniline
Concen: 21.541 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:127 Resp: 28715

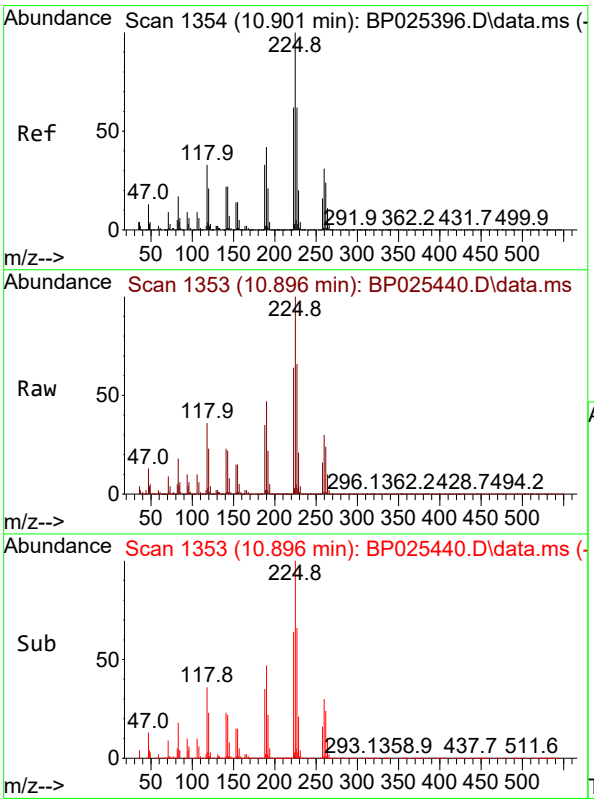
Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.4	38.2
65	31.7	23.8	35.6
92	19.0	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

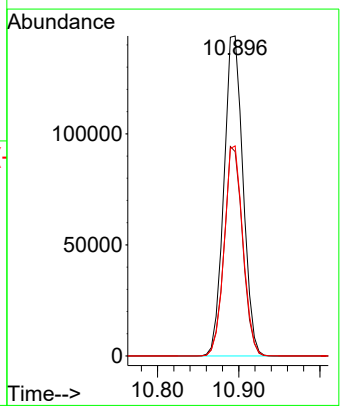
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

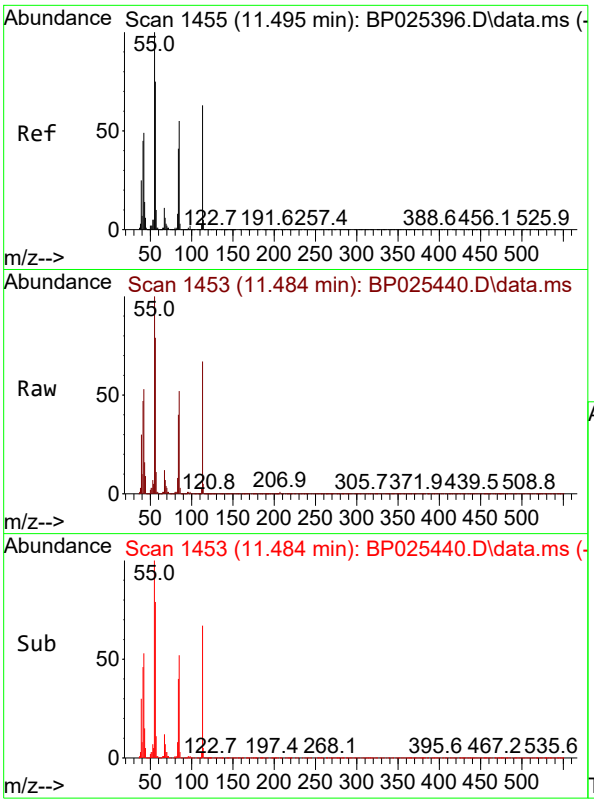


#34
Hexachlorobutadiene
Concen: 38.293 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:225 Resp: 235114

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.0	75.0
227	65.7	49.7	74.5

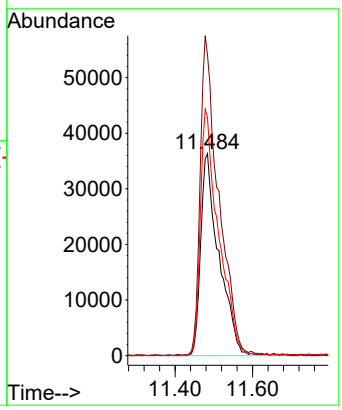




#35
Caprolactam
Concen: 35.891 ng
RT: 11.484 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:113 Resp: 11836

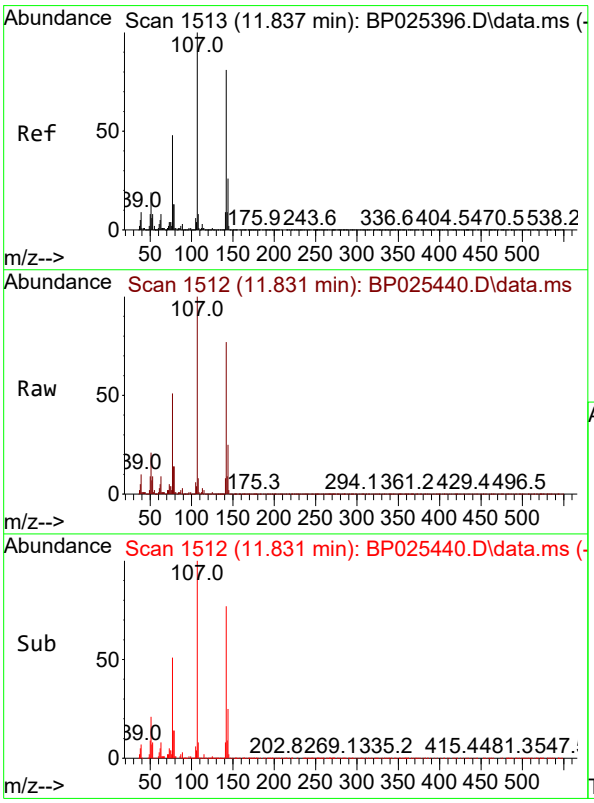
Ion	Ratio	Lower	Upper
113	100		
55	149.0	140.0	180.0
56	118.0	100.0	140.0



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

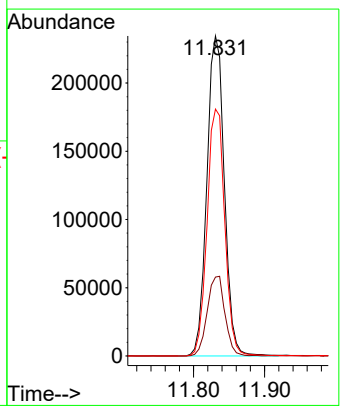
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

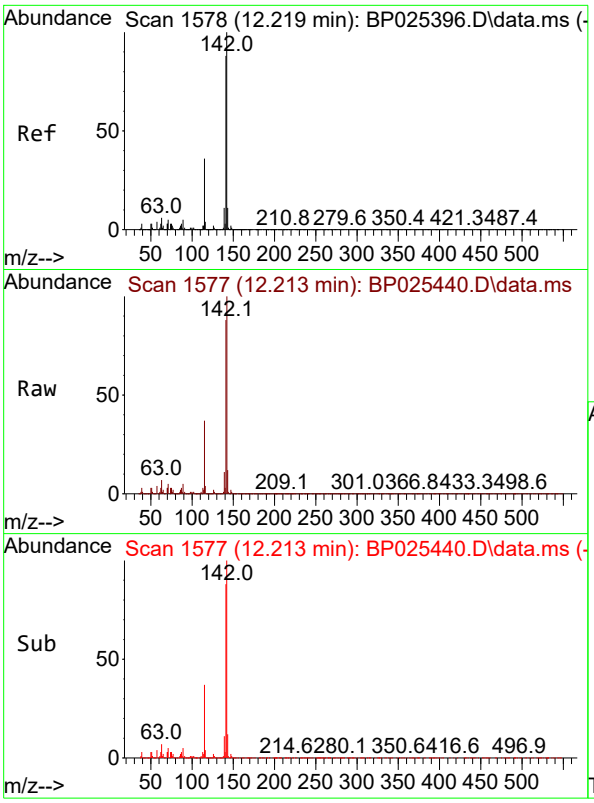


#36
4-Chloro-3-methylphenol
Concen: 38.881 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:107 Resp: 401250

Ion	Ratio	Lower	Upper
107	100		
144	24.6	21.0	31.4
142	77.2	64.6	97.0

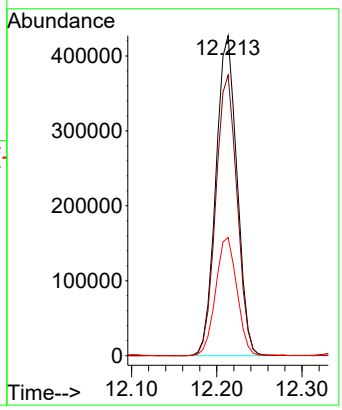




#37
2-Methylnaphthalene
Concen: 37.445 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:142 Resp: 73538

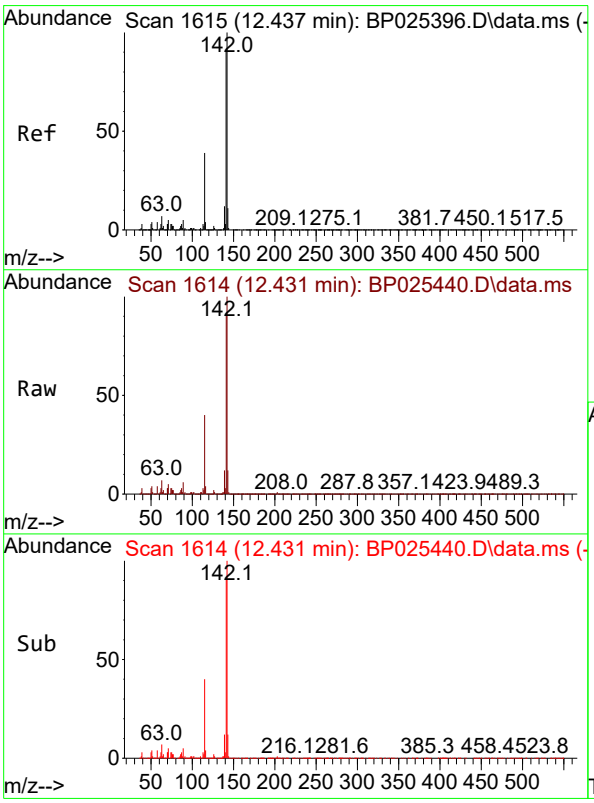
Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.3	105.5
115	37.0	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

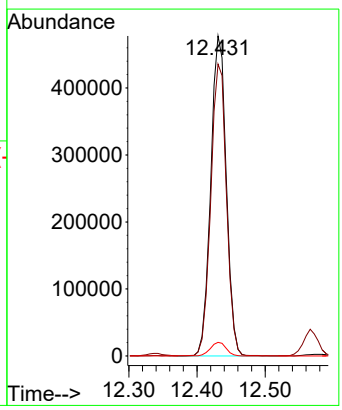
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

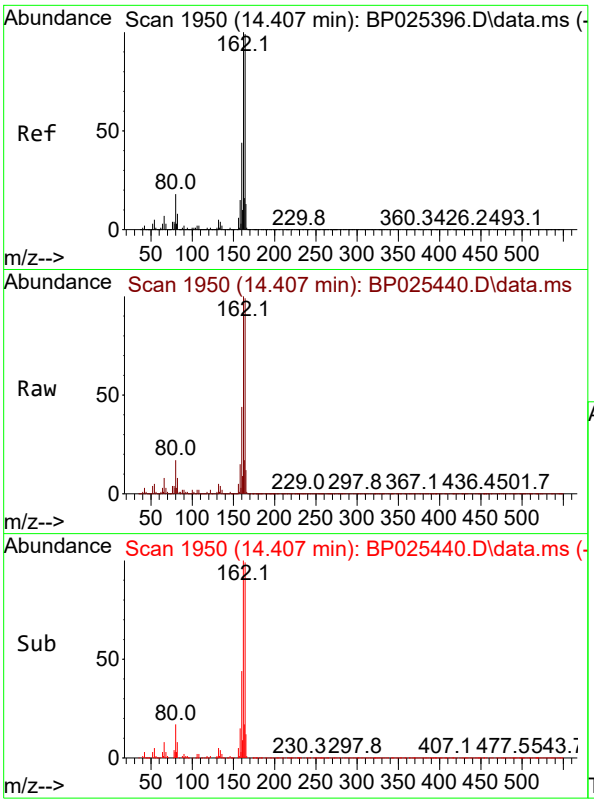


#38
1-Methylnaphthalene
Concen: 36.243 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:142 Resp: 756958

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.1	109.7
116	4.2	3.2	4.8

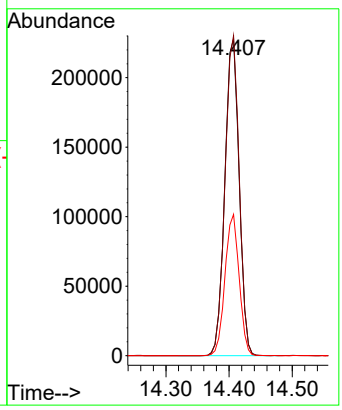




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:164 Resp: 35857

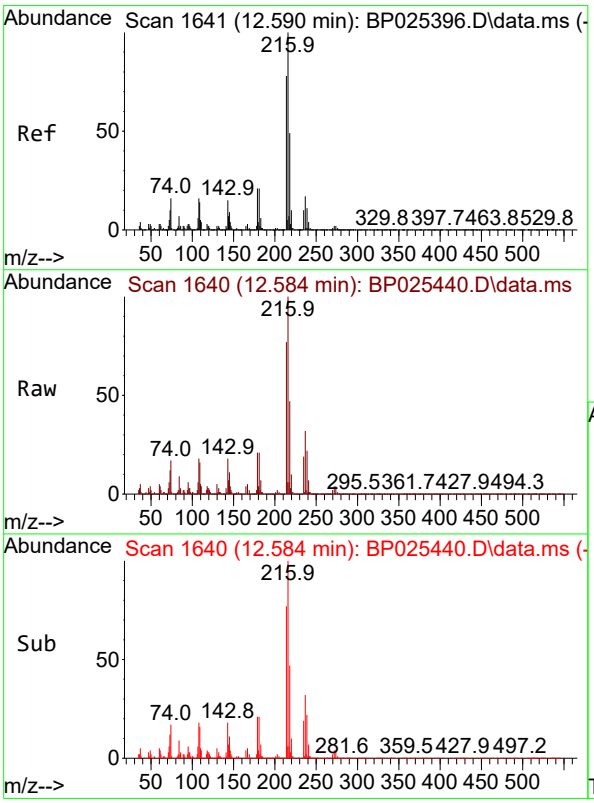
Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.6
160	44.6	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

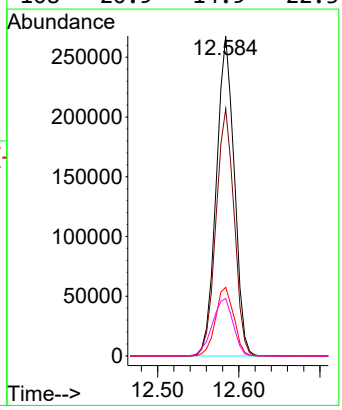
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

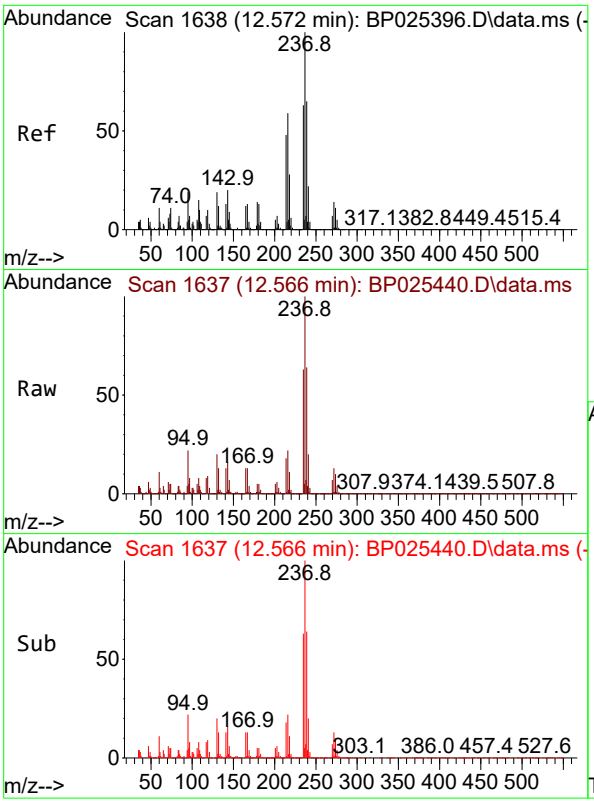


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.795 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:216 Resp: 412119

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.4
179	21.9	17.1	25.7
108	20.9	14.9	22.3

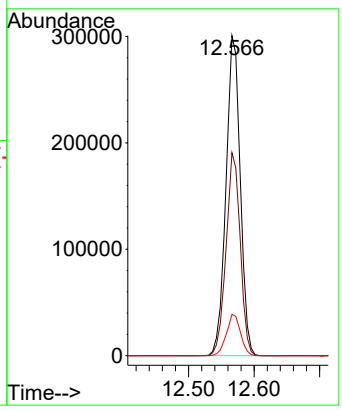




#41
Hexachlorocyclopentadiene
Concen: 72.487 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:237 Resp: 45343

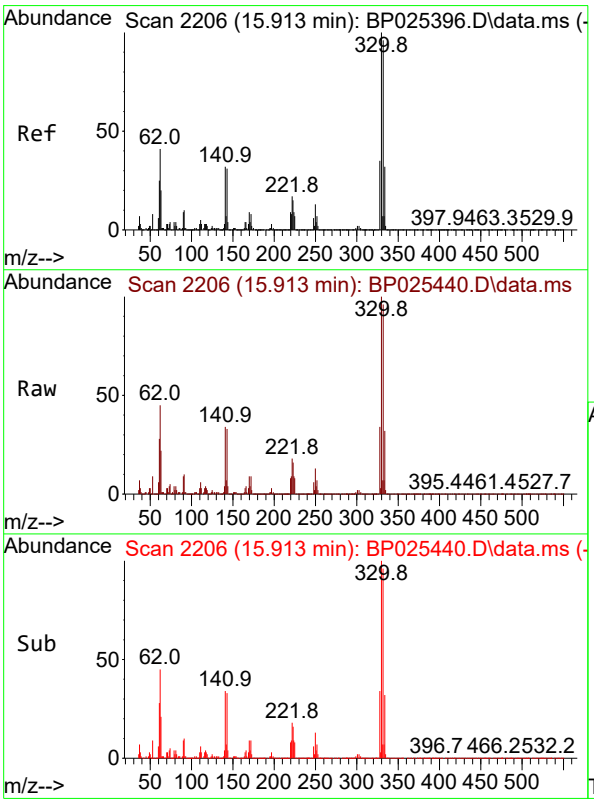
Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.7	82.7
272	12.9	0.0	34.0



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

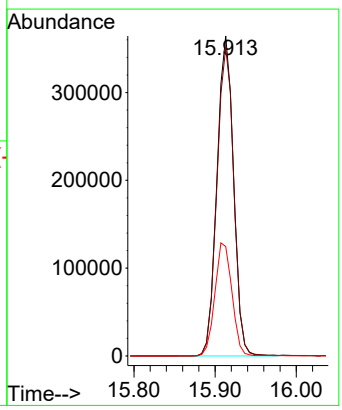
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

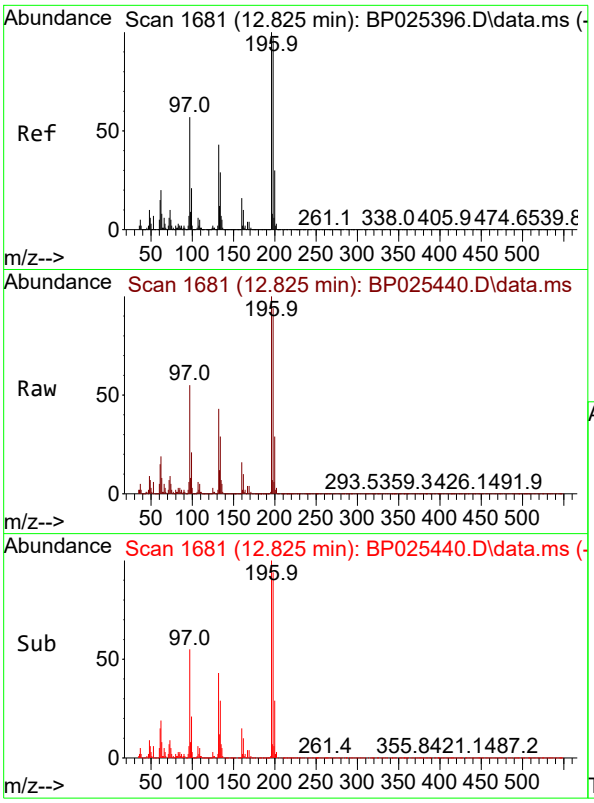


#42
2,4,6-Tribromophenol
Concen: 107.562 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:330 Resp: 519140

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.3	115.9
141	36.5	26.6	39.8

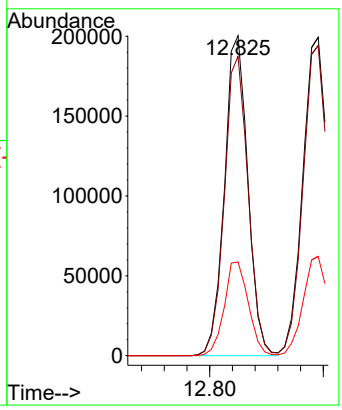




#43
2,4,6-Trichlorophenol
Concen: 41.046 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:196 Resp: 2869

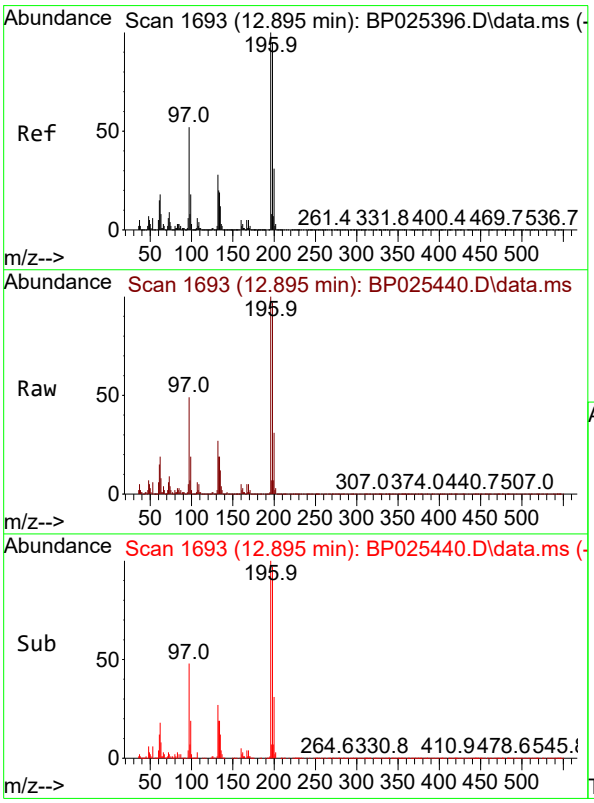
Ion	Ratio	Lower	Upper
196	100		
198	93.5	77.2	115.8
200	29.3	23.9	35.9



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

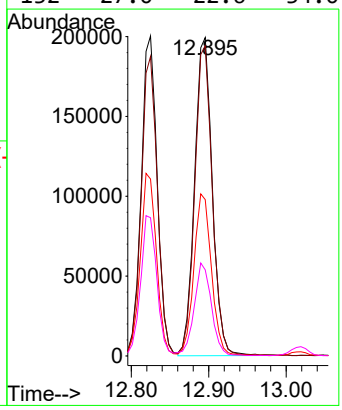
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

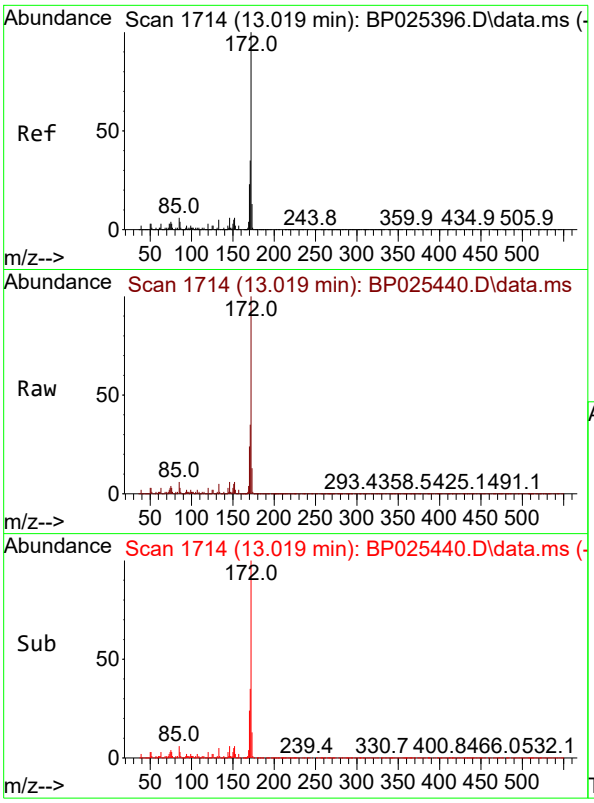


#44
2,4,5-Trichlorophenol
Concen: 41.312 ng
RT: 12.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:196 Resp: 316553

Ion	Ratio	Lower	Upper
196	100		
198	97.4	76.2	114.2
97	49.1	41.2	61.8
132	27.0	22.6	34.0

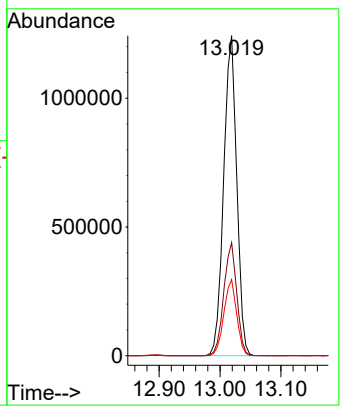




#45
2-Fluorobiphenyl
Concen: 70.589 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:172 Resp: 185202

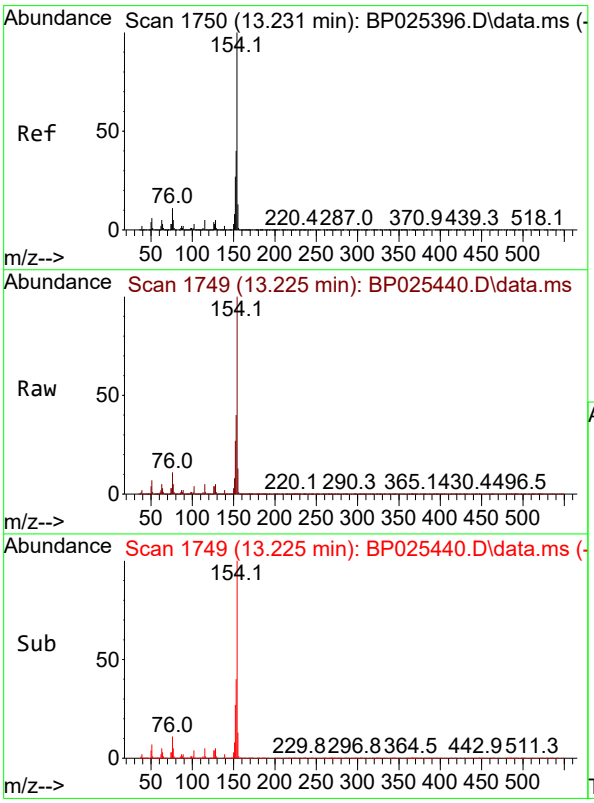
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.8	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

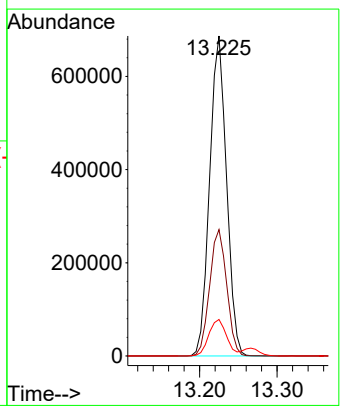
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

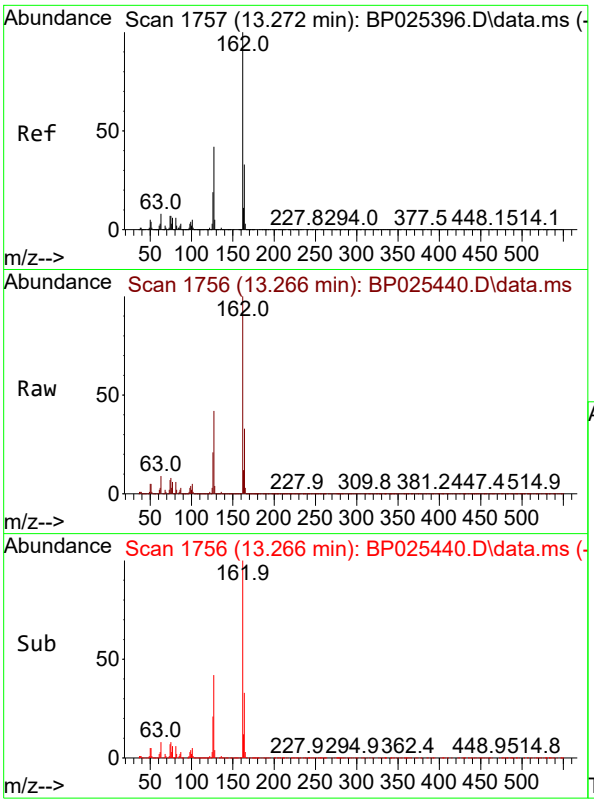


#46
1,1'-Biphenyl
Concen: 39.871 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:154 Resp: 1038303

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.5	59.5
76	11.4	0.0	31.1

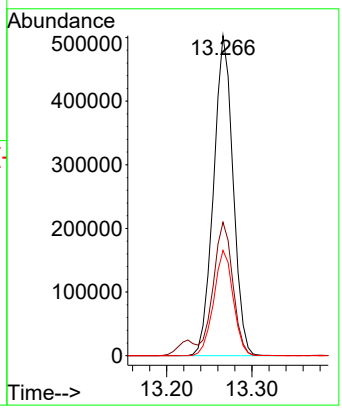




#47
2-Chloronaphthalene
Concen: 39.380 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:162 Resp: 79836

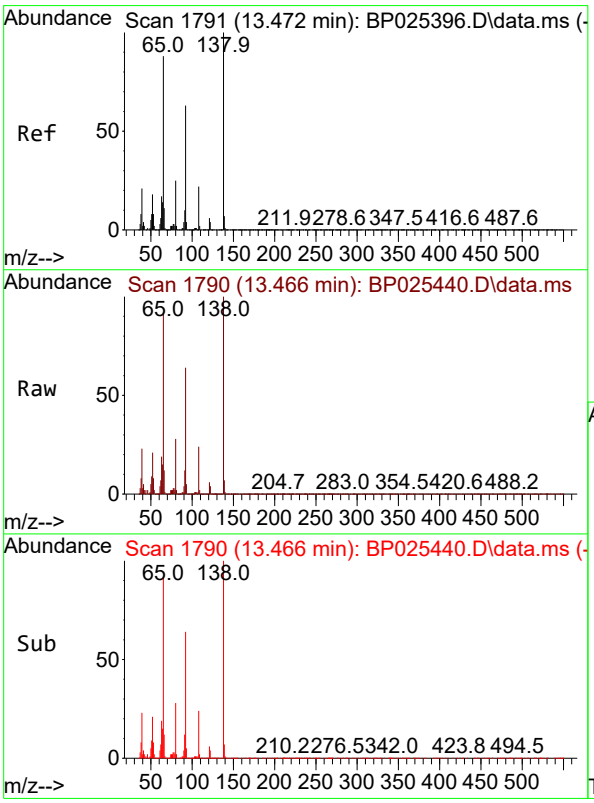
Ion	Ratio	Lower	Upper
162	100		
127	41.7	33.4	50.2
164	32.9	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

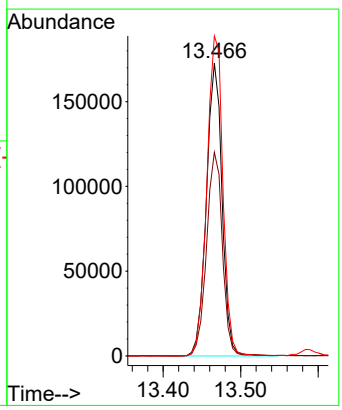
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

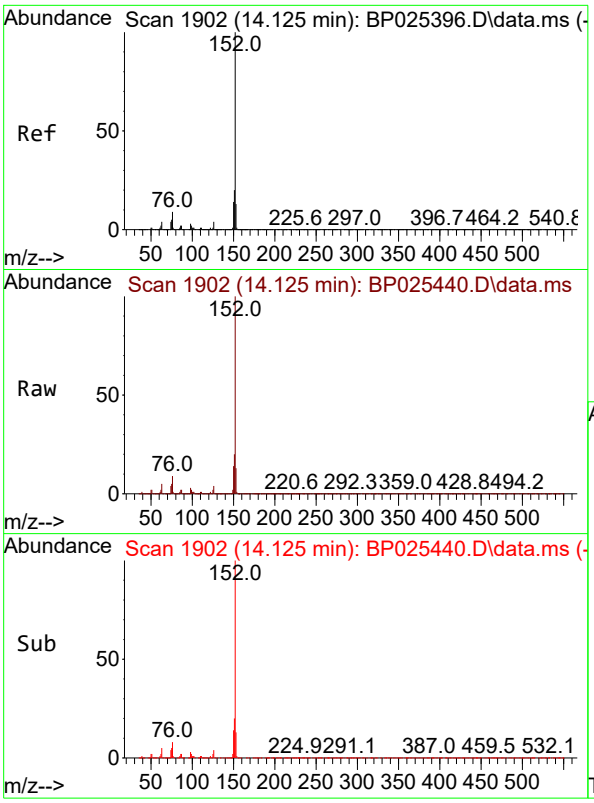


#48
2-Nitroaniline
Concen: 41.121 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion: 65 Resp: 242905

Ion	Ratio	Lower	Upper
65	100		
92	69.5	57.6	86.4
138	109.2	91.0	136.6

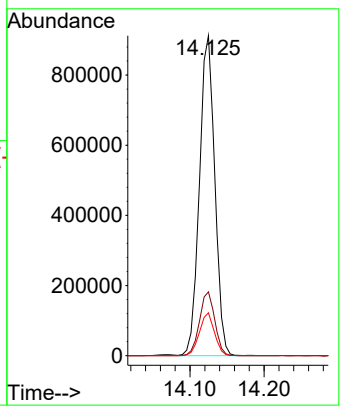




#49
Acenaphthylene
Concen: 39.119 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:152 Resp: 131231

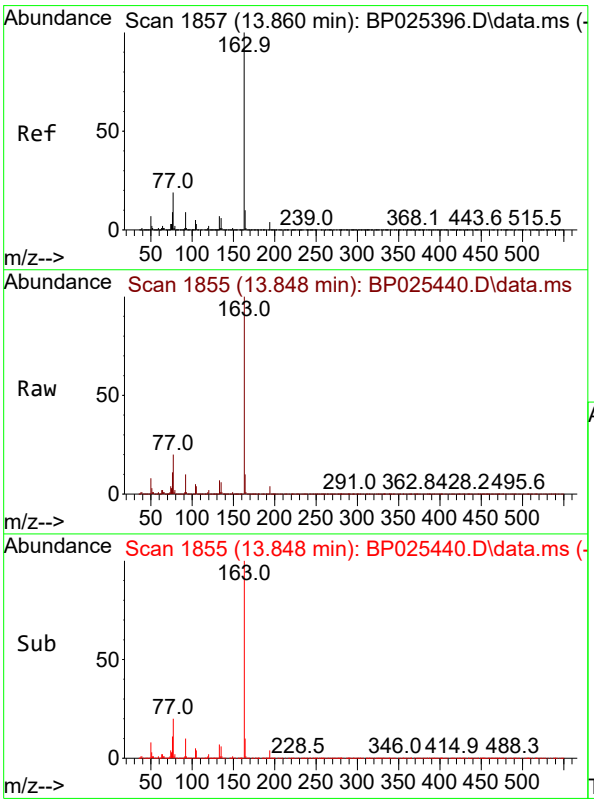
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

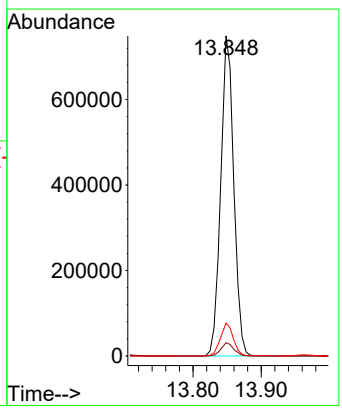
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

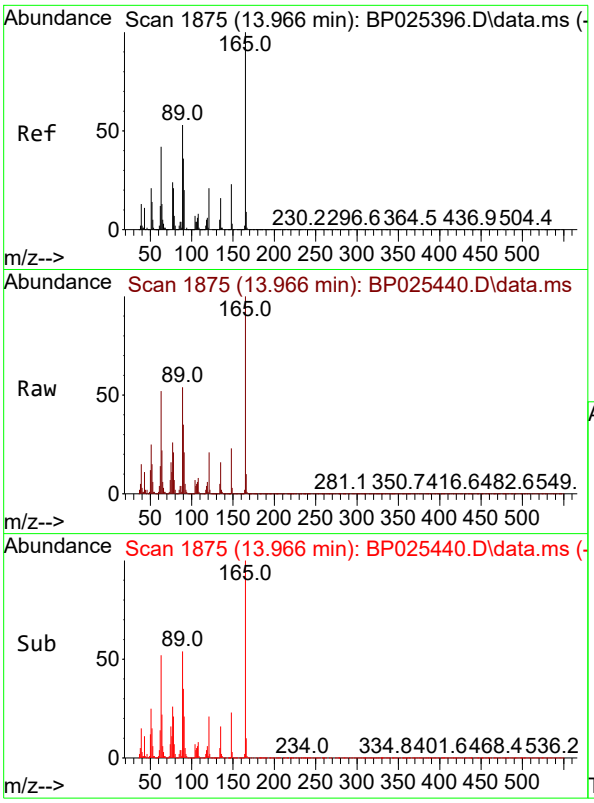


#50
Dimethylphthalate
Concen: 38.027 ng
RT: 13.848 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:163 Resp: 998504

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 39.984 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

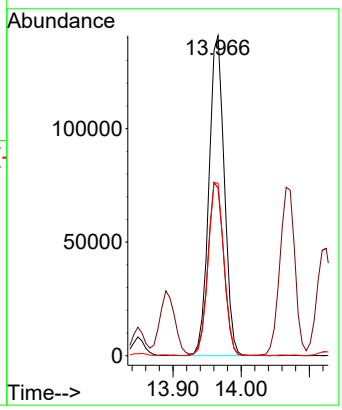
Tgt Ion:165 Resp: 22129

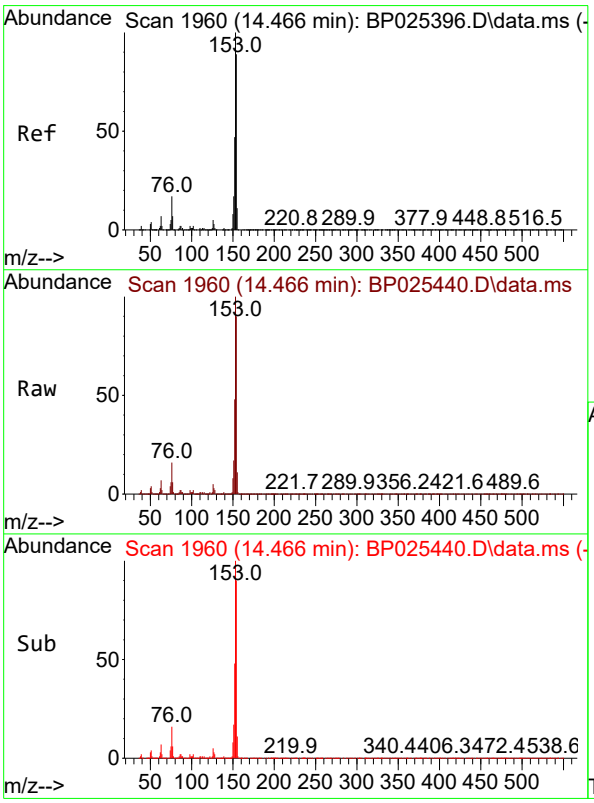
Ion	Ratio	Lower	Upper
165	100		
63	52.4	40.9	61.3
89	53.9	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

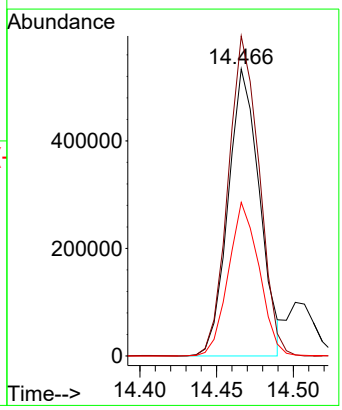


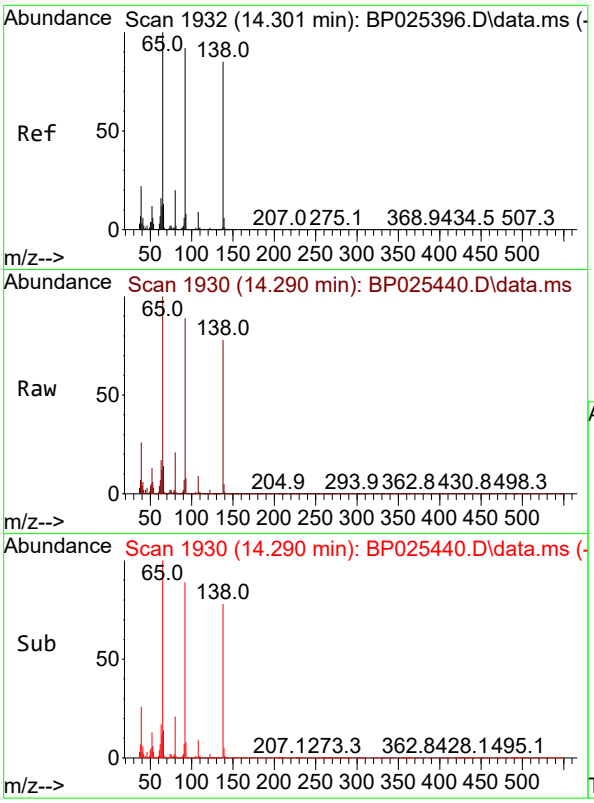


#52
Acenaphthene
Concen: 38.520 ng m
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:154 Resp: 758509

Ion	Ratio	Lower	Upper
154	100		
153	111.5	90.2	135.2
152	53.5	42.1	63.1





#53
3-Nitroaniline
Concen: 27.664 ng
RT: 14.290 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

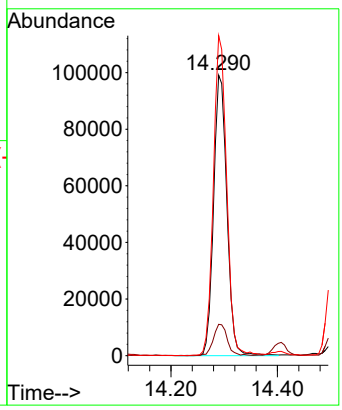
Tgt Ion:138 Resp: 17225

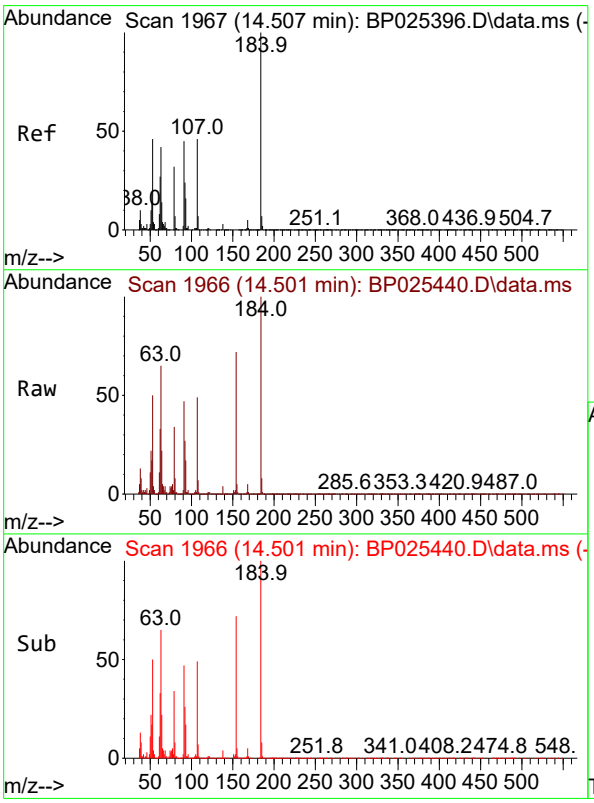
Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.3	12.5
92	114.1	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

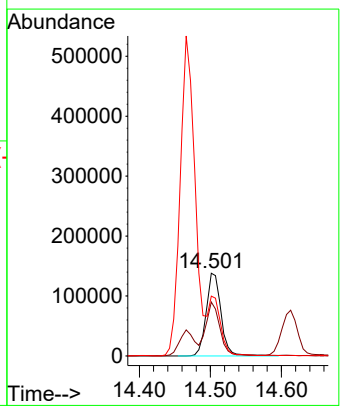


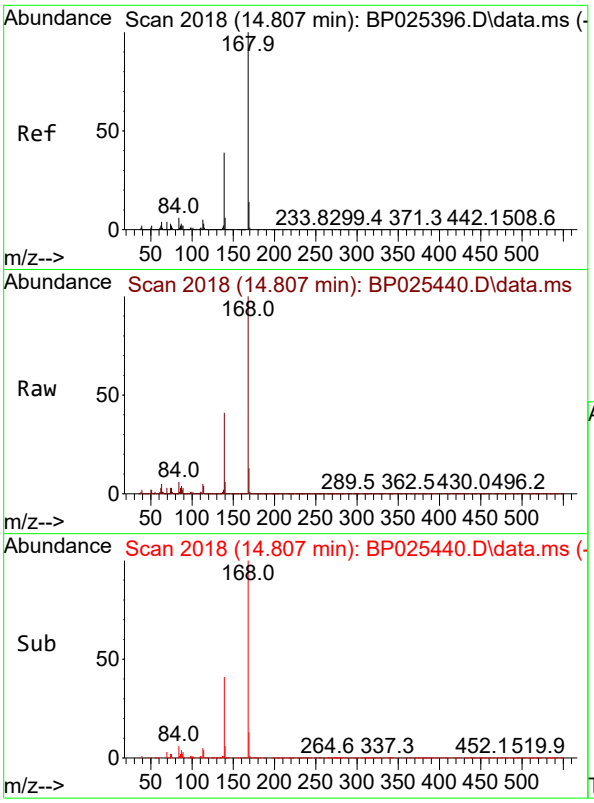


#54
2,4-Dinitrophenol
Concen: 68.261 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:184 Resp: 201749

Ion	Ratio	Lower	Upper
184	100		
63	65.2	49.4	74.2
154	72.4	54.6	82.0

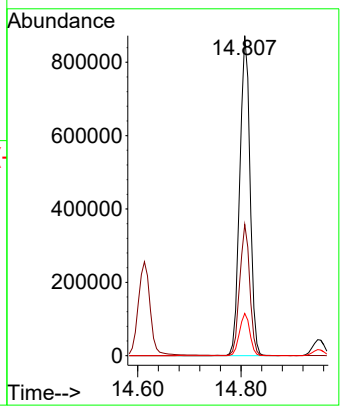




#55
Dibenzofuran
Concen: 38.569 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:168 Resp: 120072

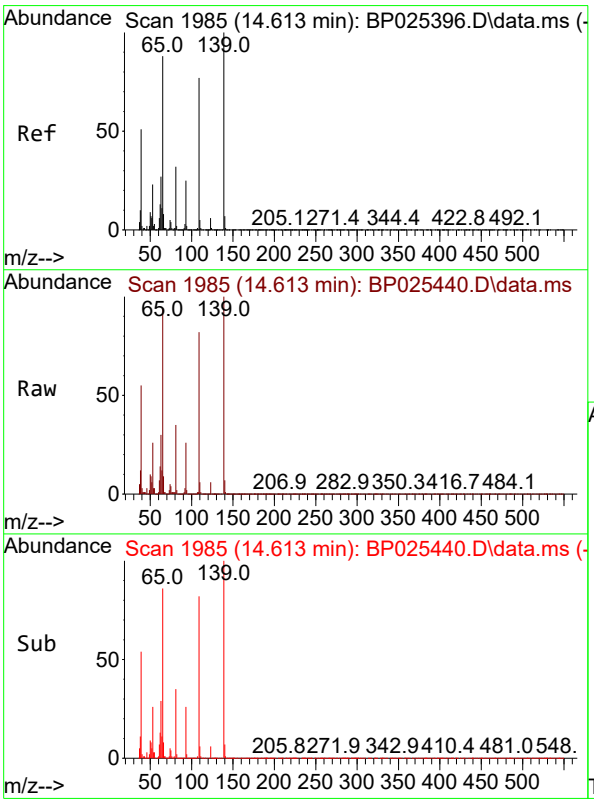
Ion	Ratio	Lower	Upper
168	100		
139	41.0	31.5	47.3
169	13.2	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

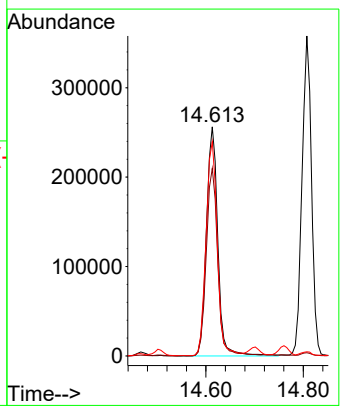
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

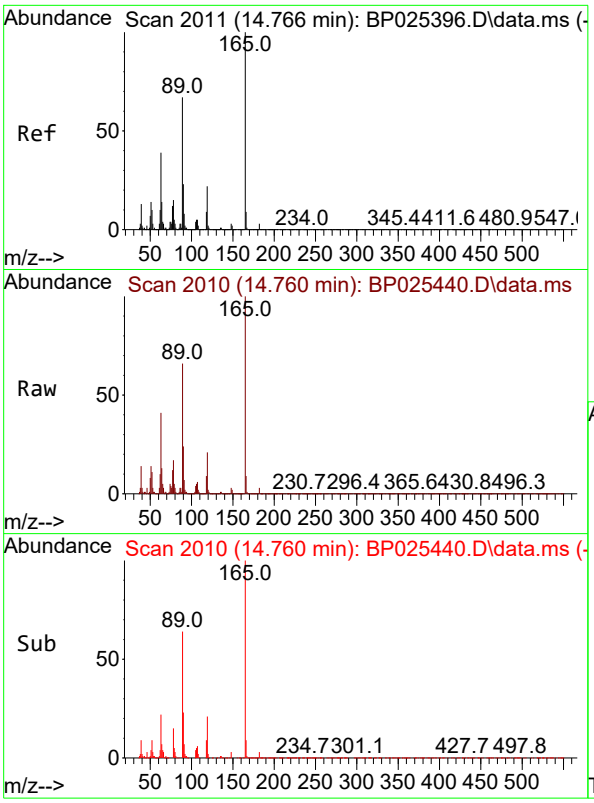


#56
4-Nitrophenol
Concen: 81.067 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:139 Resp: 414800

Ion	Ratio	Lower	Upper
139	100		
109	81.9	56.6	96.6
65	93.5	68.2	108.2

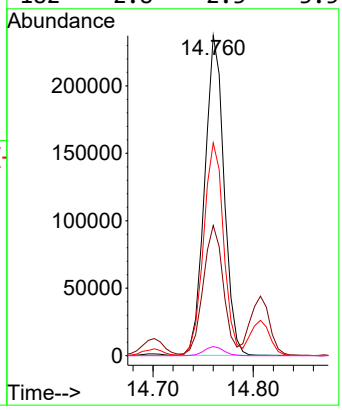




#57
2,4-Dinitrotoluene
Concen: 40.332 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:165 Resp: 31847

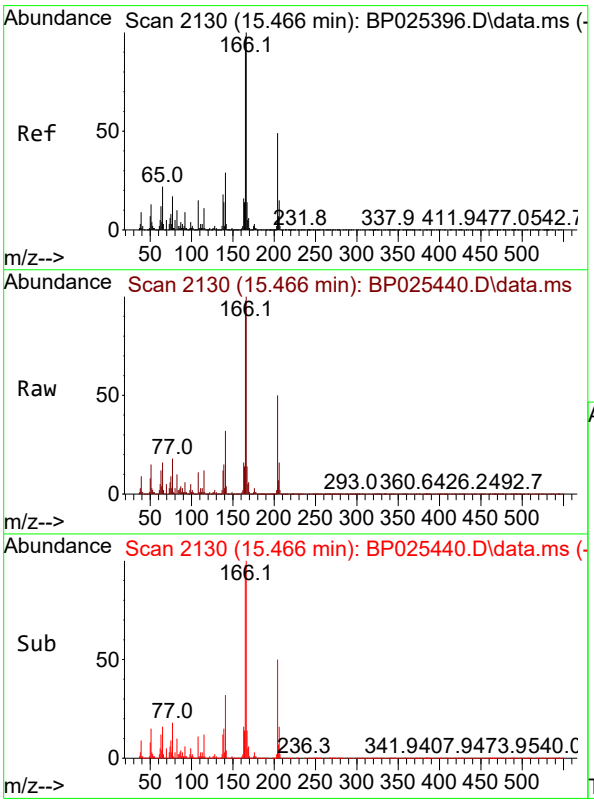
Ion	Ratio	Lower	Upper
165	100		
63	40.7	31.4	47.2
89	66.5	53.3	79.9
182	2.8	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

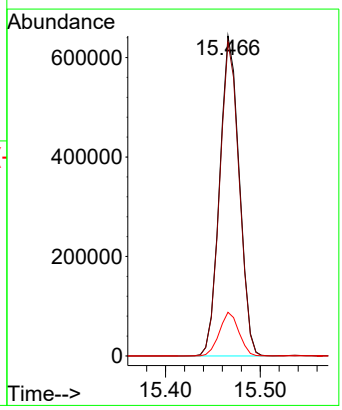
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

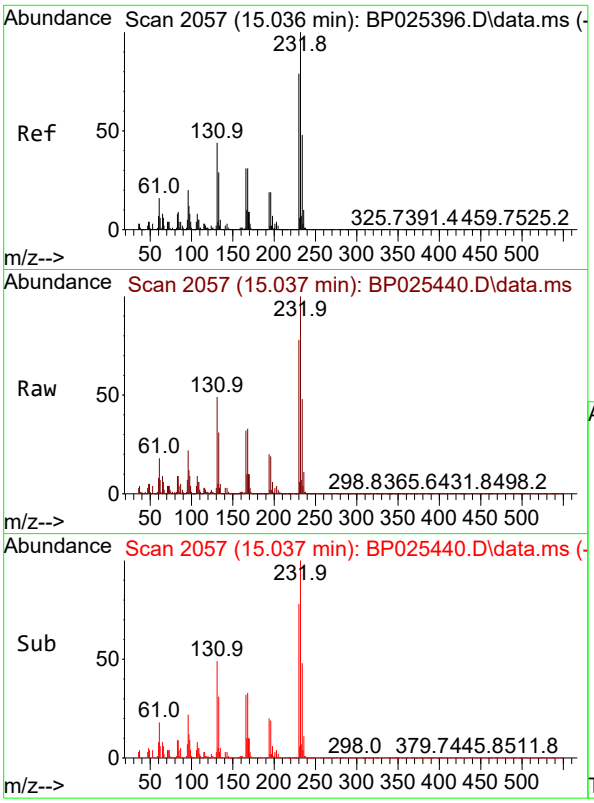


#58
Fluorene
Concen: 37.731 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:166 Resp: 926864

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.8	118.2
167	13.6	11.0	16.4

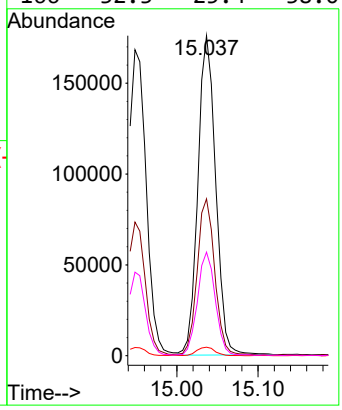




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.628 ng
RT: 15.037 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:232 Resp: 26811

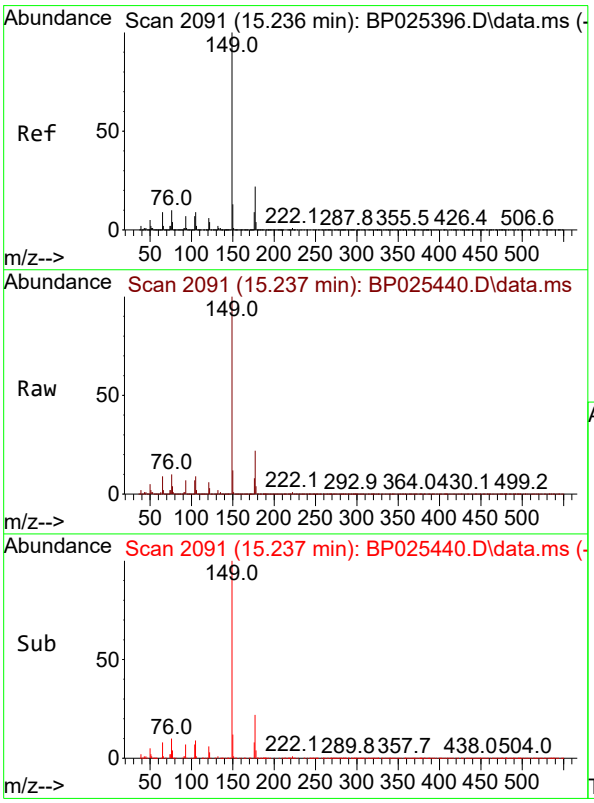
Ion	Ratio	Lower	Upper
232	100		
131	48.6	37.0	55.6
130	2.7	1.9	2.9
166	32.3	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

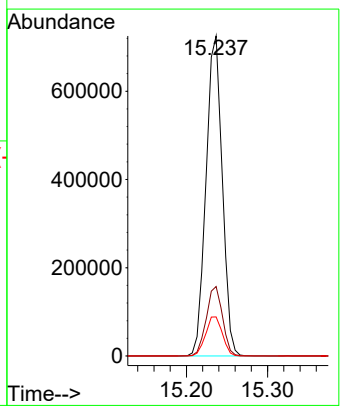
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

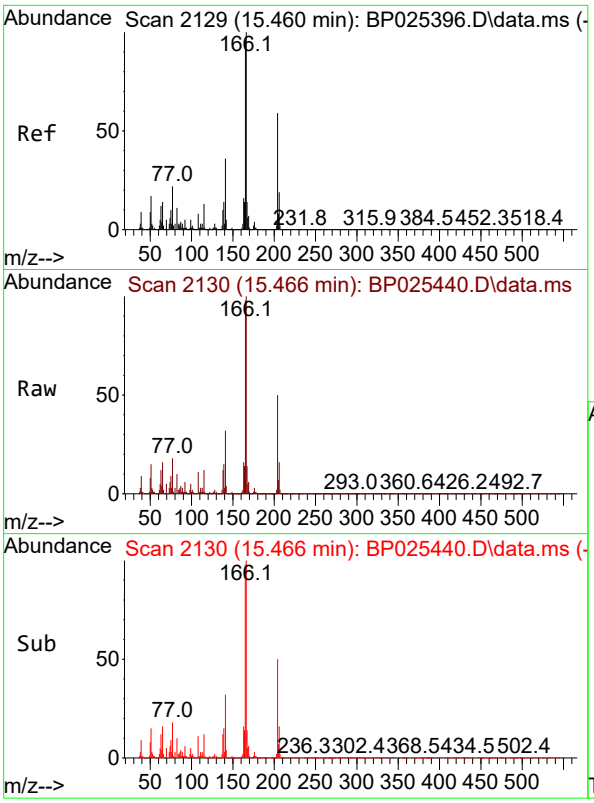


#60
Diethylphthalate
Concen: 37.696 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:149 Resp: 1005774

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.3	25.9
150	12.2	10.3	15.5

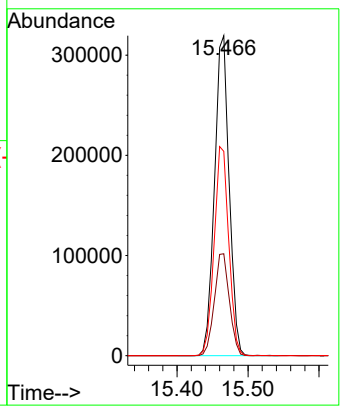




#61
4-Chlorophenyl-phenylether
Concen: 37.302 ng
RT: 15.466 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:204 Resp: 45572

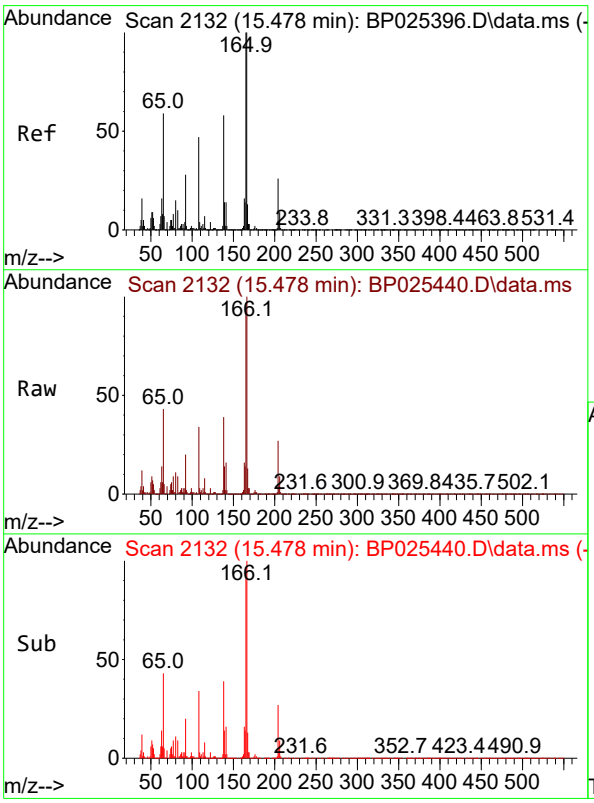
Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.8	38.8
141	63.8	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

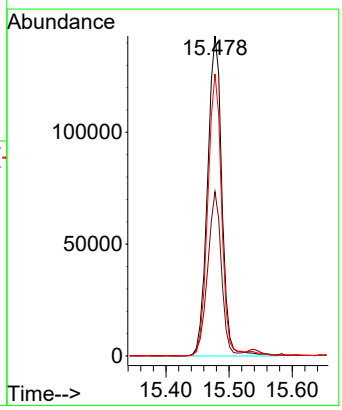
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

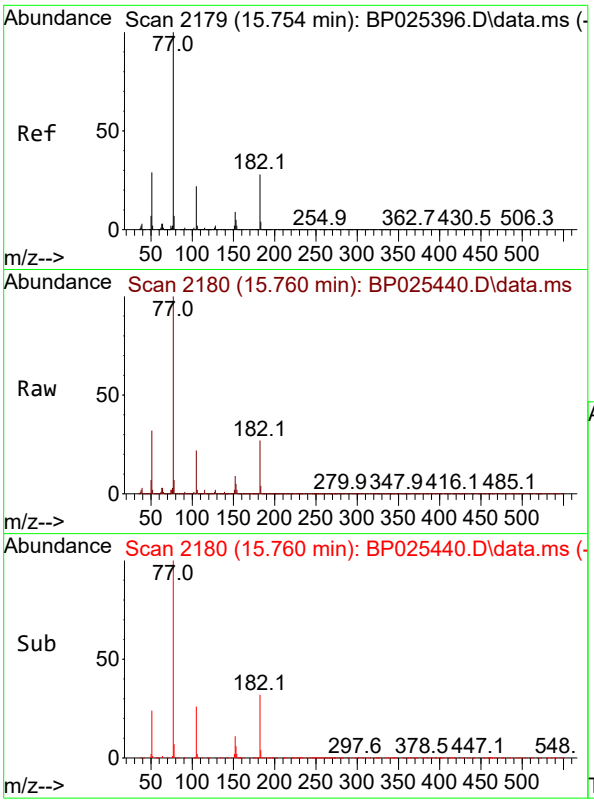


#62
4-Nitroaniline
Concen: 35.419 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:138 Resp: 226098

Ion	Ratio	Lower	Upper
138	100		
92	51.3	29.1	69.1
108	88.2	61.5	101.5





#63
Azobenzene
Concen: 39.441 ng
RT: 15.760 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

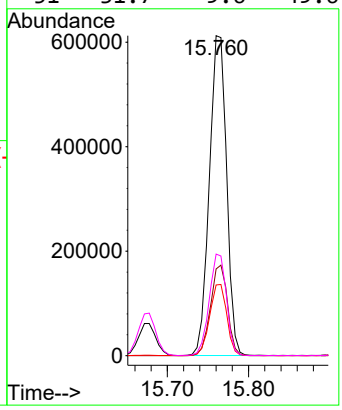
Instrument :
BNA_P
ClientSampleId :
PB169275BS

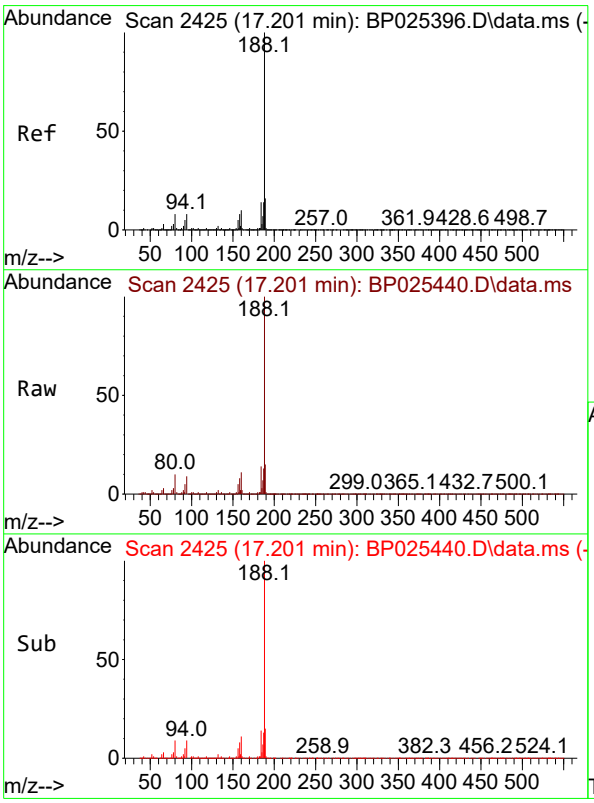
Tgt Ion: 77 Resp: 90106

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.5	47.5
105	22.1	2.1	42.1
51	31.7	9.6	49.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

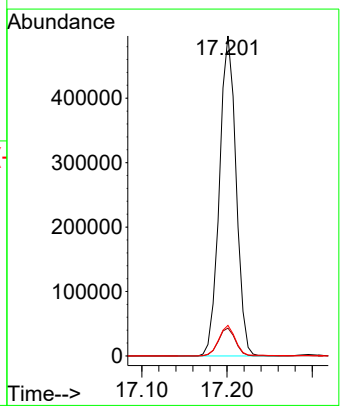


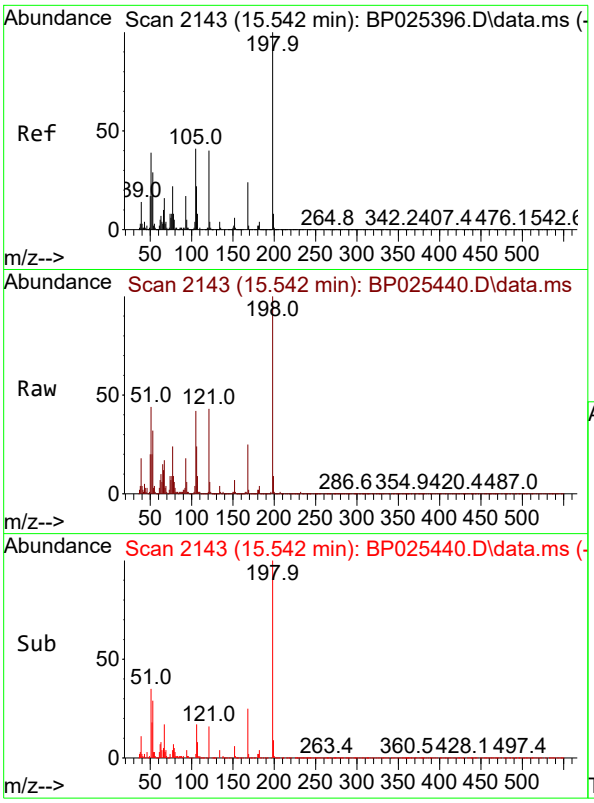


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:188 Resp: 675805

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.5	6.7	10.1

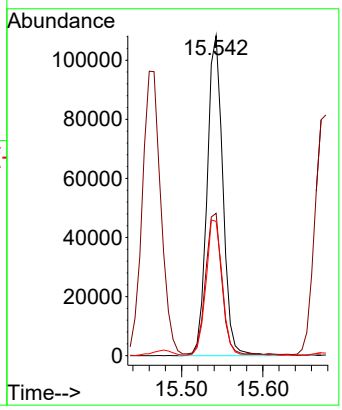




#65
4,6-Dinitro-2-methylphenol
Concen: 34.513 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:198 Resp: 14539

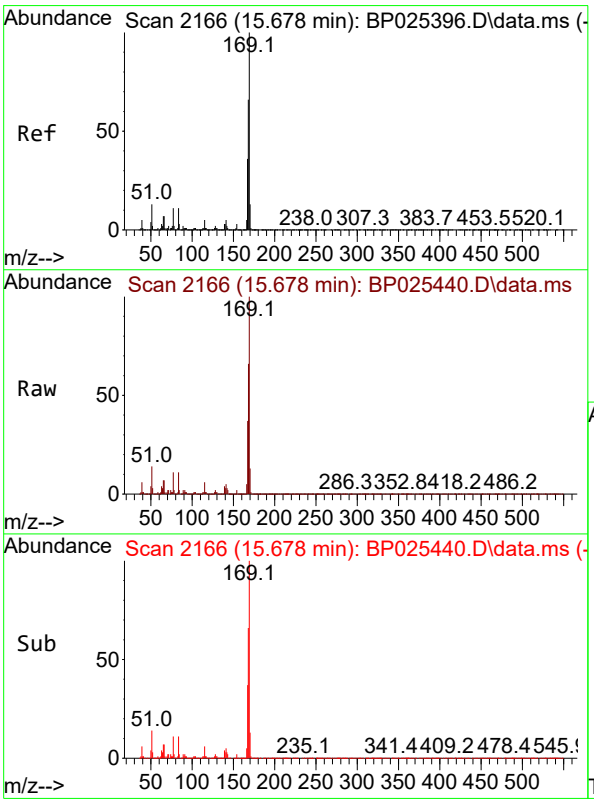
Ion	Ratio	Lower	Upper
198	100		
51	44.5	19.6	59.6
105	42.0	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

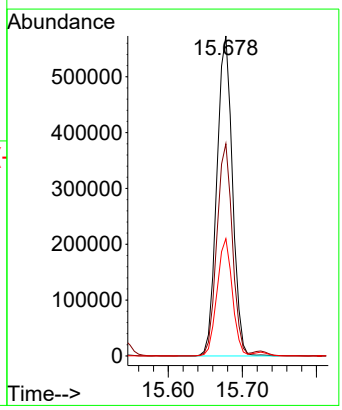
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

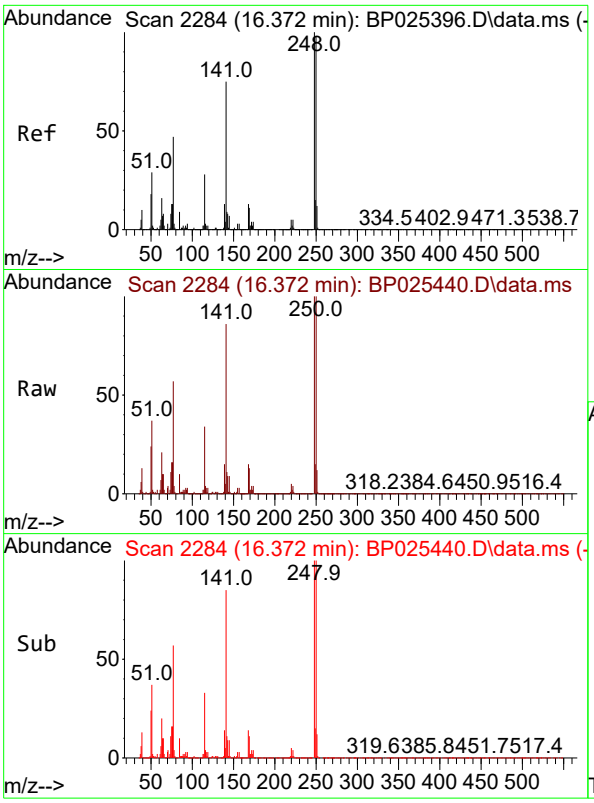


#66
n-Nitrosodiphenylamine
Concen: 40.633 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:169 Resp: 837361

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	36.6	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 40.077 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

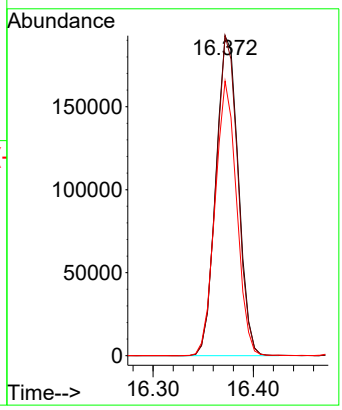
Tgt Ion:248 Resp: 29787

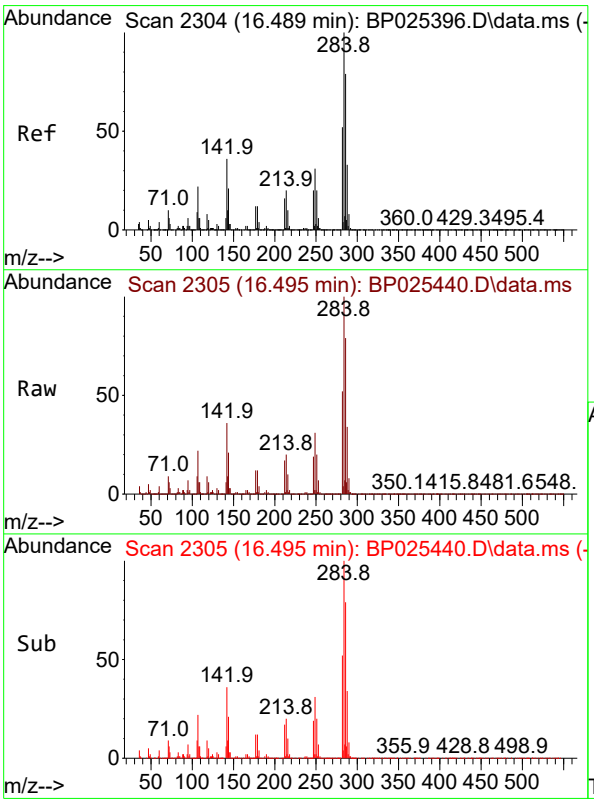
Ion	Ratio	Lower	Upper
248	100		
250	100.0	78.2	117.2
141	85.8	59.6	89.4

Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

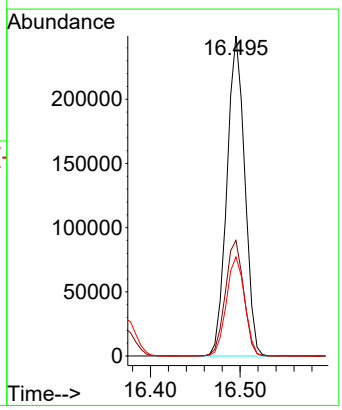


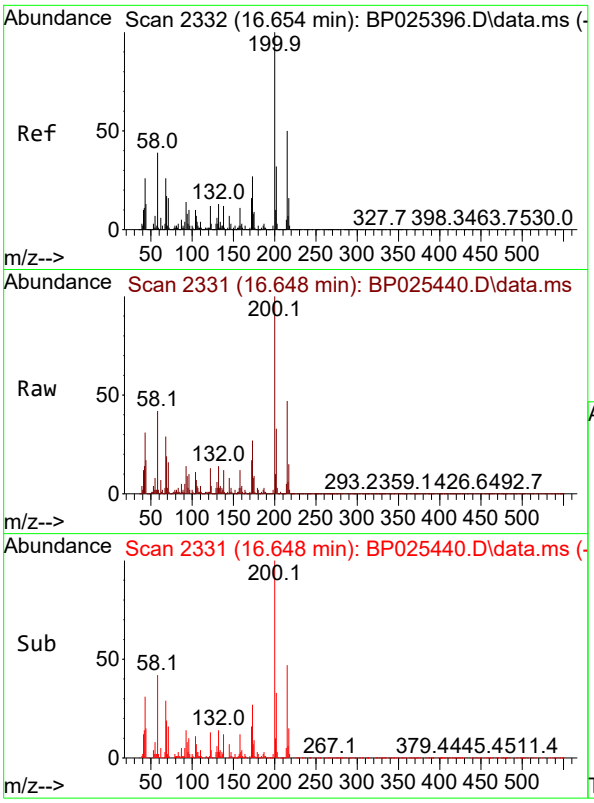


#68
Hexachlorobenzene
Concen: 39.843 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:284 Resp: 343286

Ion	Ratio	Lower	Upper
284	100		
142	36.1	29.1	43.7
249	30.9	25.0	37.4





#69
Atrazine
Concen: 39.912 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

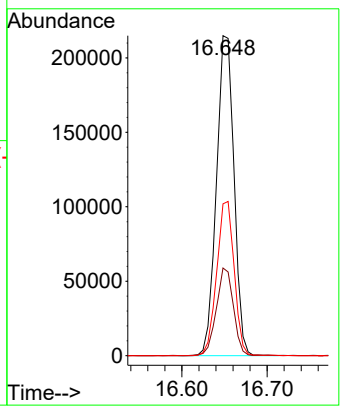
Tgt Ion:200 Resp: 30803

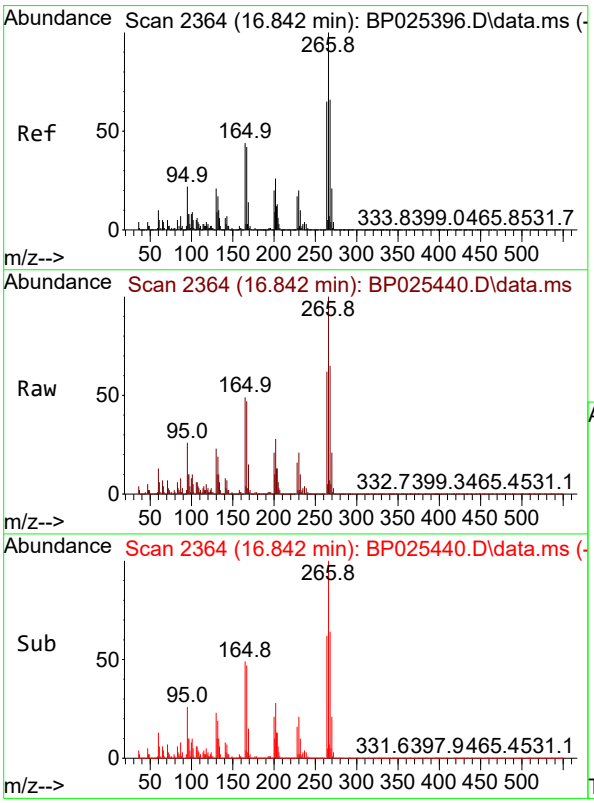
Ion	Ratio	Lower	Upper
200	100		
173	27.4	6.7	46.7
215	47.5	29.7	69.7

Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

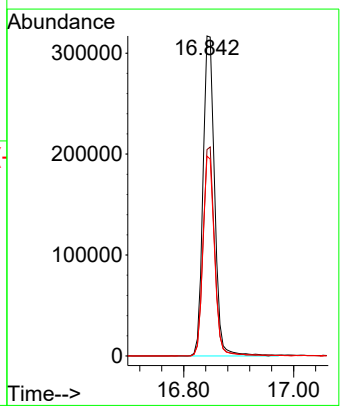


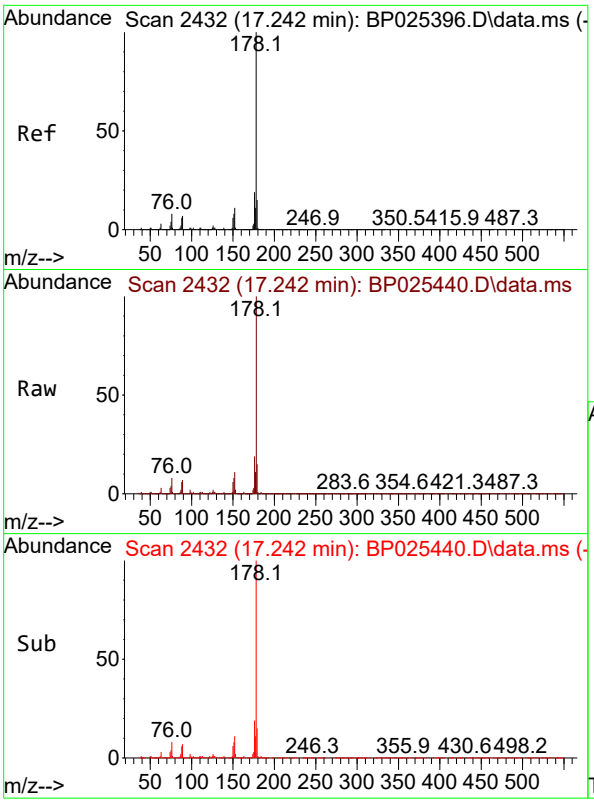


#70
Pentachlorophenol
Concen: 85.409 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:266 Resp: 464522

Ion	Ratio	Lower	Upper
266	100		
268	64.5	52.6	79.0
264	62.5	52.0	78.0

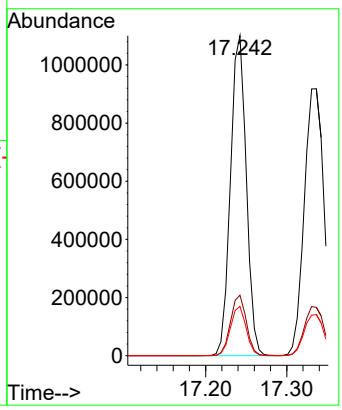




#71
Phenanthrene
Concen: 40.071 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:178 Resp: 148759

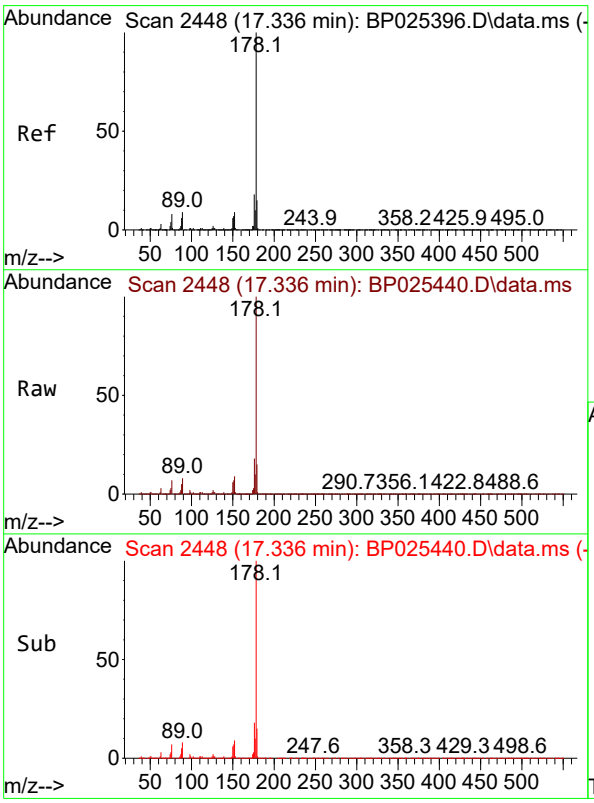
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.4	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

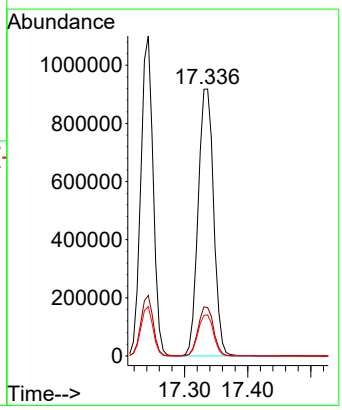
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

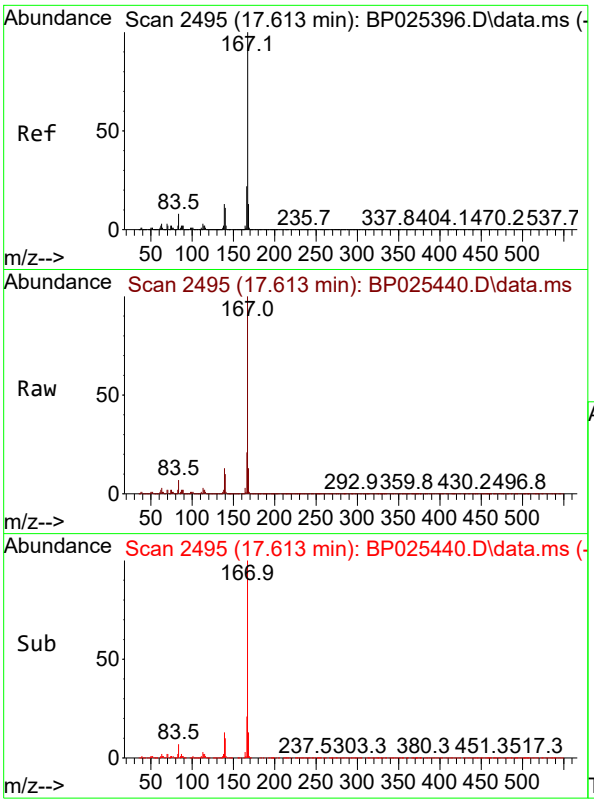


#72
Anthracene
Concen: 41.205 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:178 Resp: 1562142

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.4	12.2	18.2

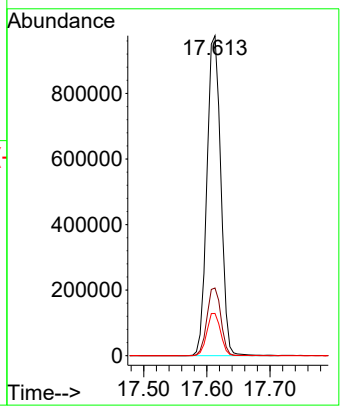




#73
Carbazole
Concen: 41.655 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:167 Resp: 148746

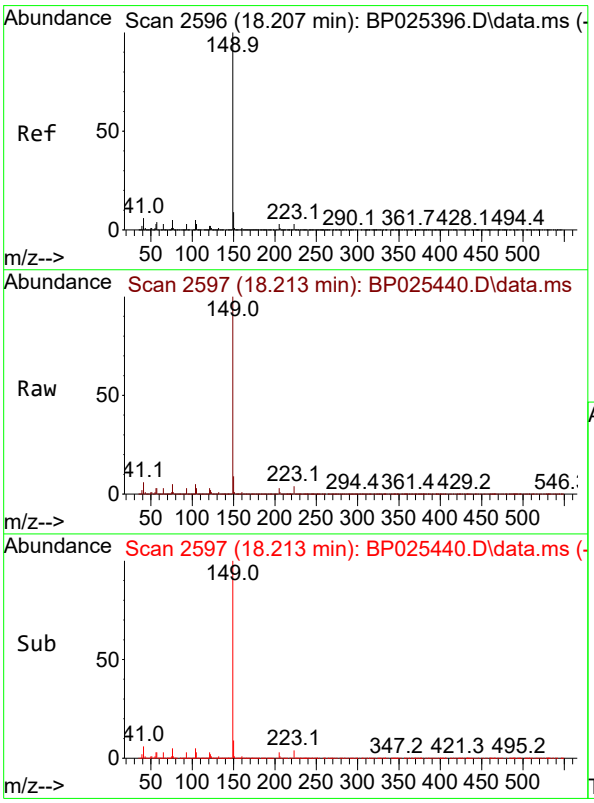
Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.5	26.3
139	13.2	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

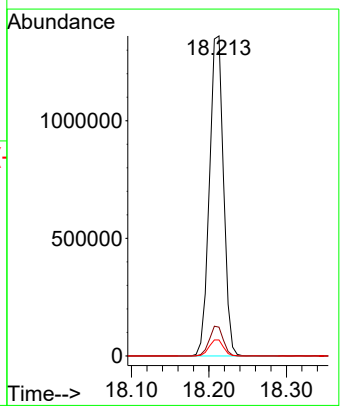
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

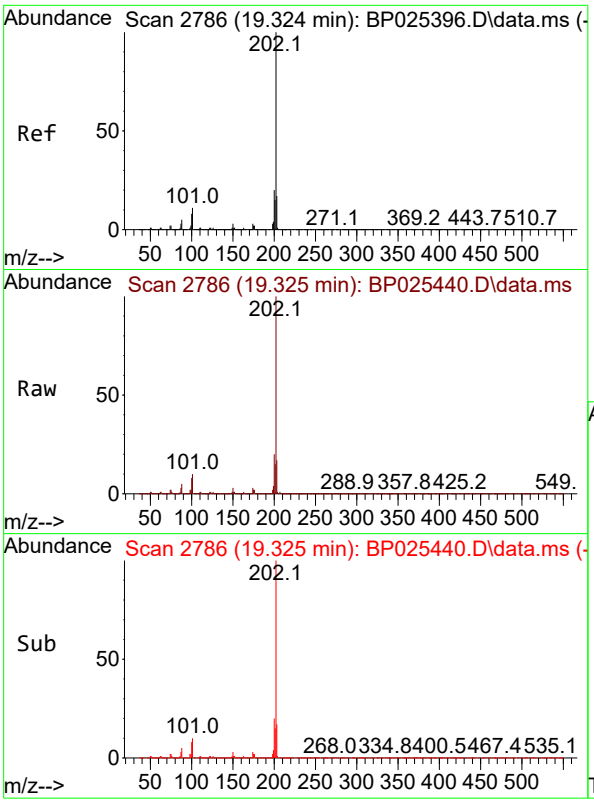


#74
Di-n-butylphthalate
Concen: 39.008 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:149 Resp: 1713786

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.0	4.2	6.2

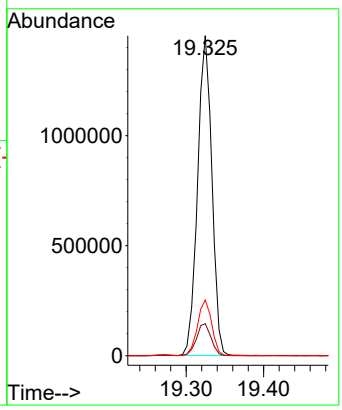




#75
Fluoranthene
Concen: 41.938 ng
RT: 19.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:202 Resp: 185713

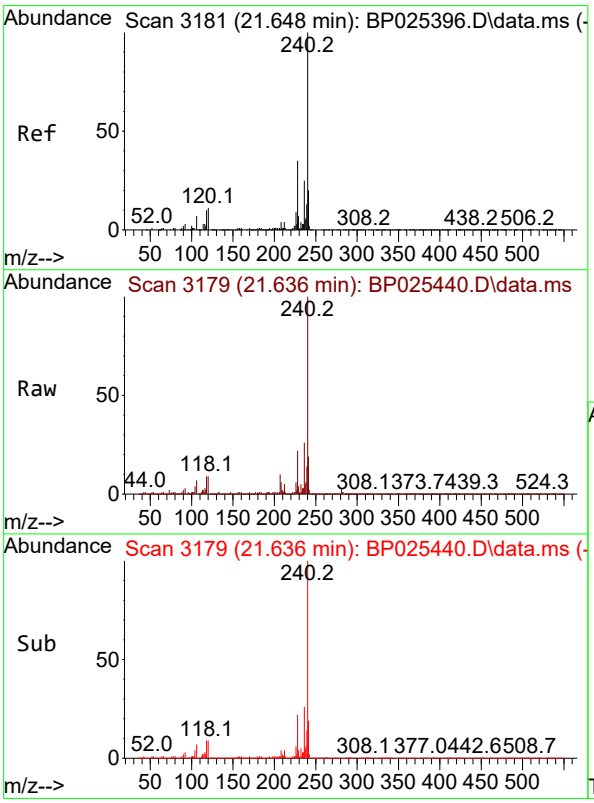
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.1
203	17.4	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

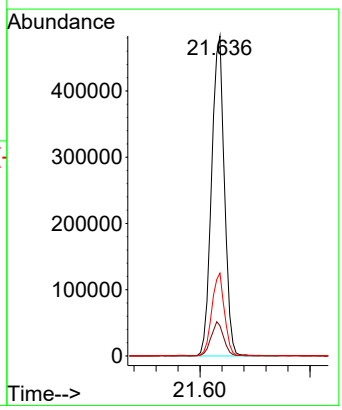
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

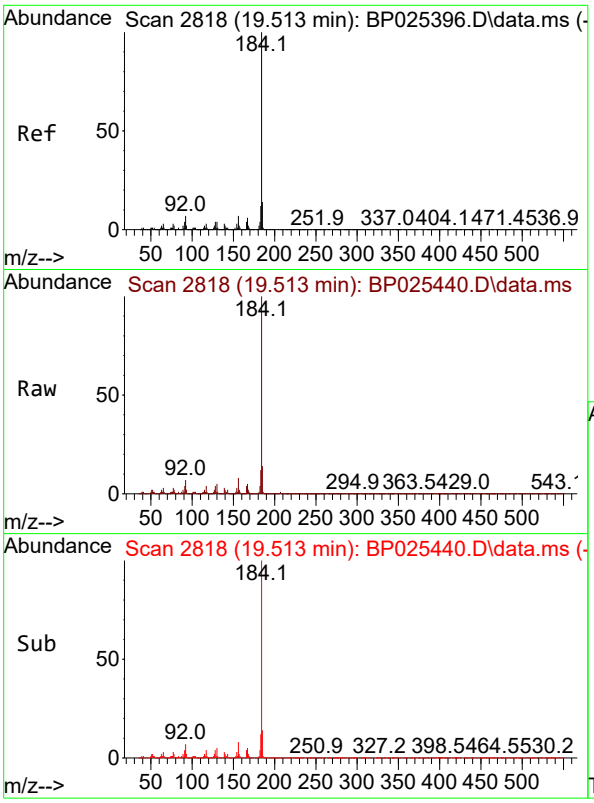


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:240 Resp: 782158

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.9	13.3
236	25.9	19.8	29.8

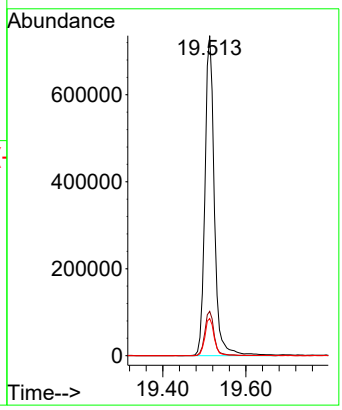




#77
Benzidine
Concen: 43.272 ng
RT: 19.513 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:184 Resp: 115506

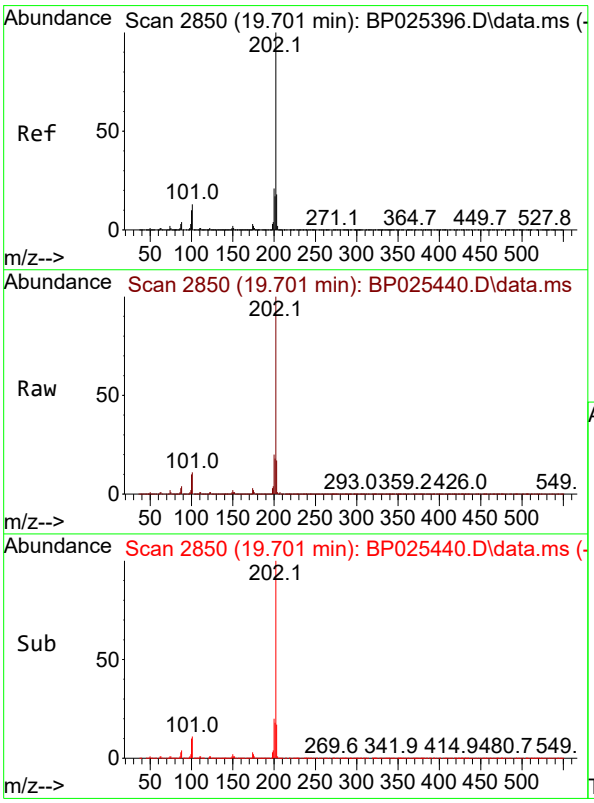
Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	11.6	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

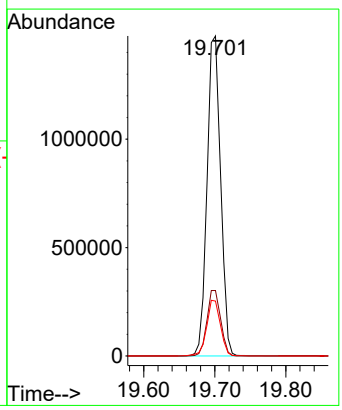
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

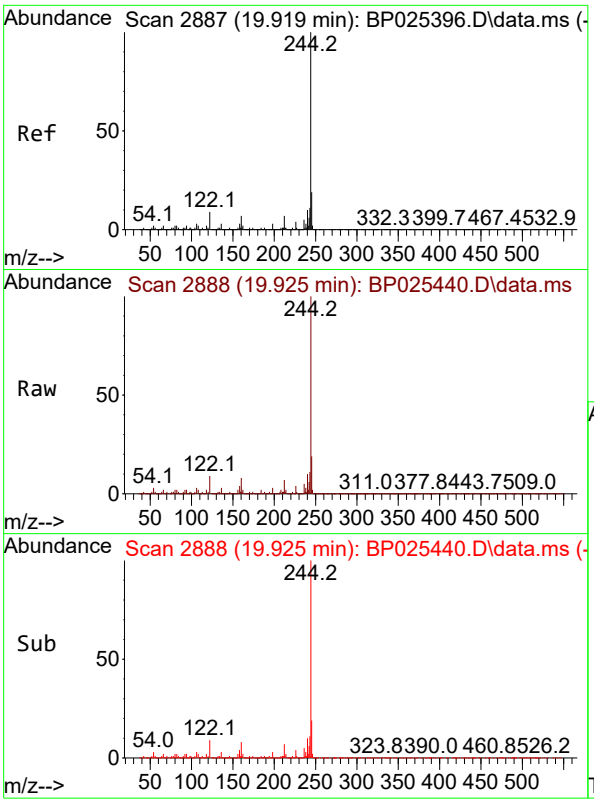


#78
Pyrene
Concen: 38.635 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:202 Resp: 1964133

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	17.2	14.2	21.2





#79
Terphenyl-d14
Concen: 68.586 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

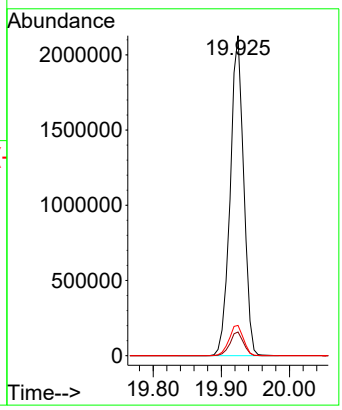
Instrument :
BNA_P
ClientSampleId :
PB169275BS

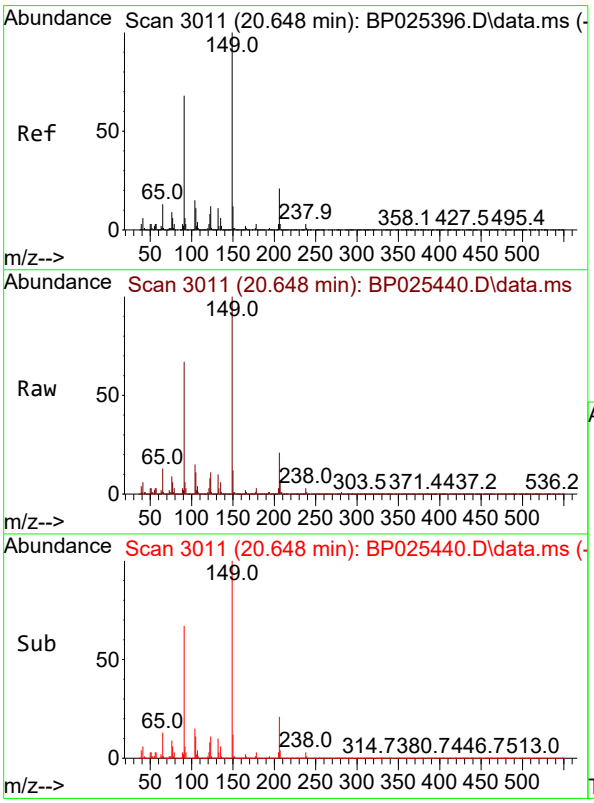
Tgt Ion:244 Resp: 293209

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.4	7.4	11.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

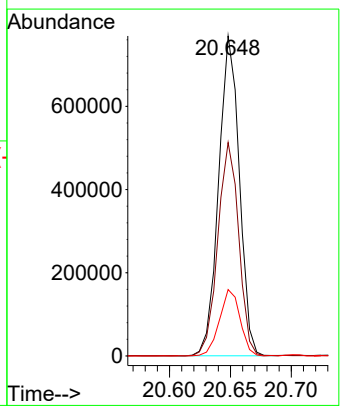


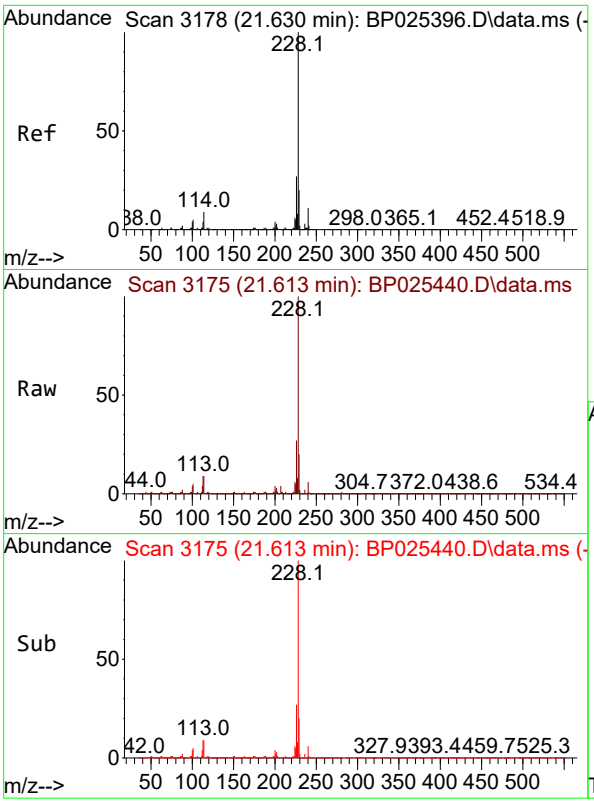


#80
Butylbenzylphthalate
Concen: 39.431 ng
RT: 20.648 min Scan# 3011
Delta R.T. 0.000 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:149 Resp: 908498

Ion	Ratio	Lower	Upper
149	100		
91	66.7	54.2	81.2
206	20.8	16.6	24.8

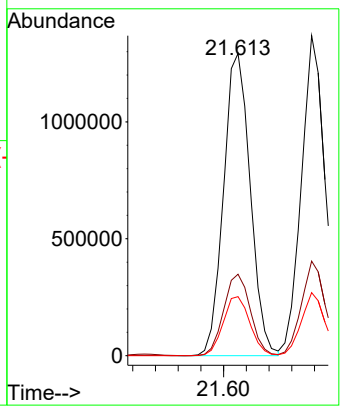




#81
Benzo(a)anthracene
Concen: 40.903 ng
RT: 21.613 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:228 Resp: 210991

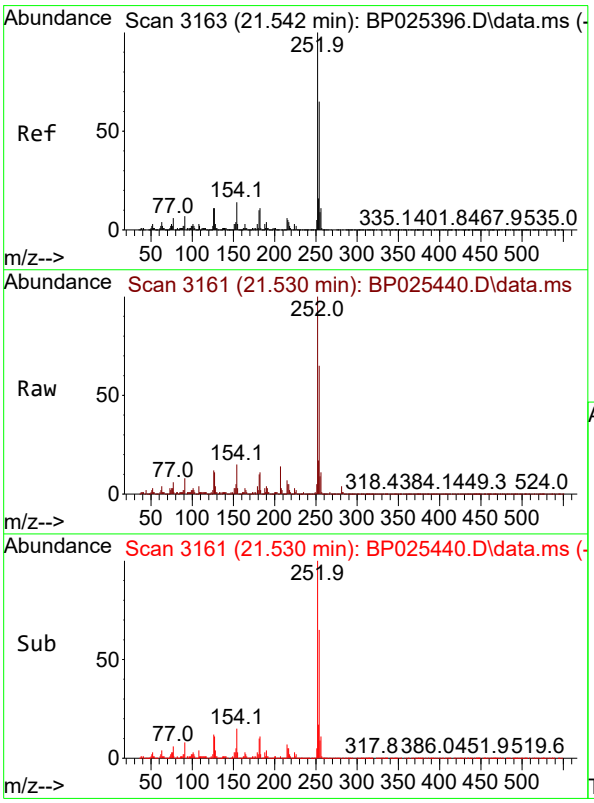
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

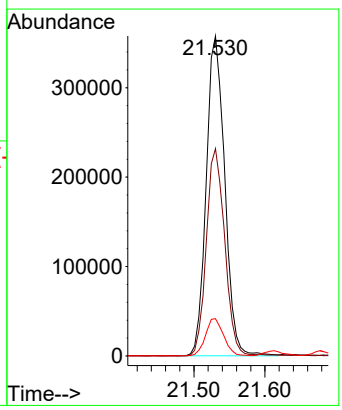
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

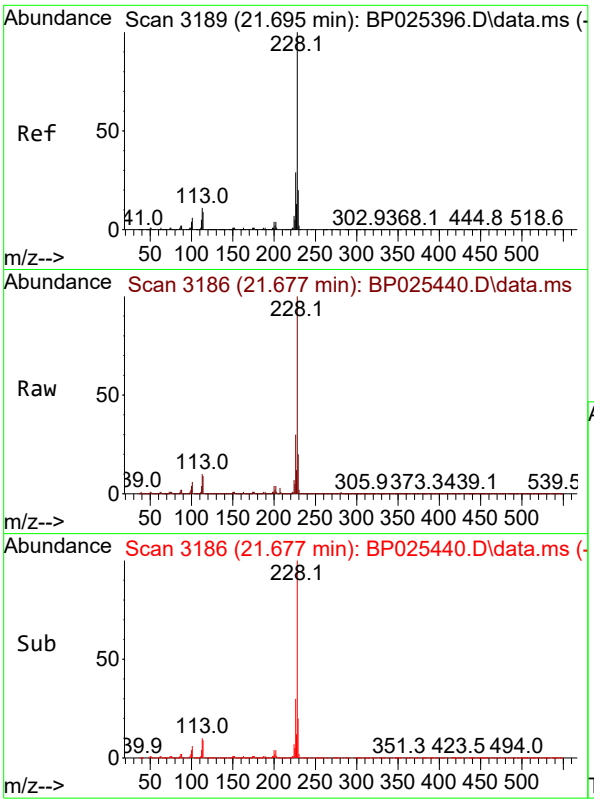


#82
3,3'-Dichlorobenzidine
Concen: 33.328 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:252 Resp: 648008

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.6
126	11.7	9.1	13.7

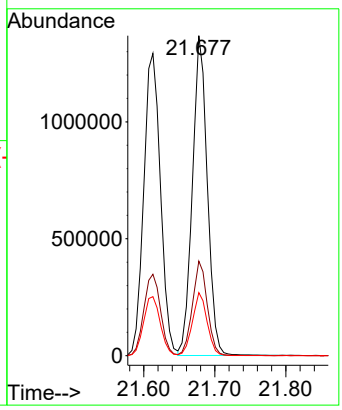




#83
Chrysene
Concen: 41.381 ng
RT: 21.677 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:228 Resp: 199901

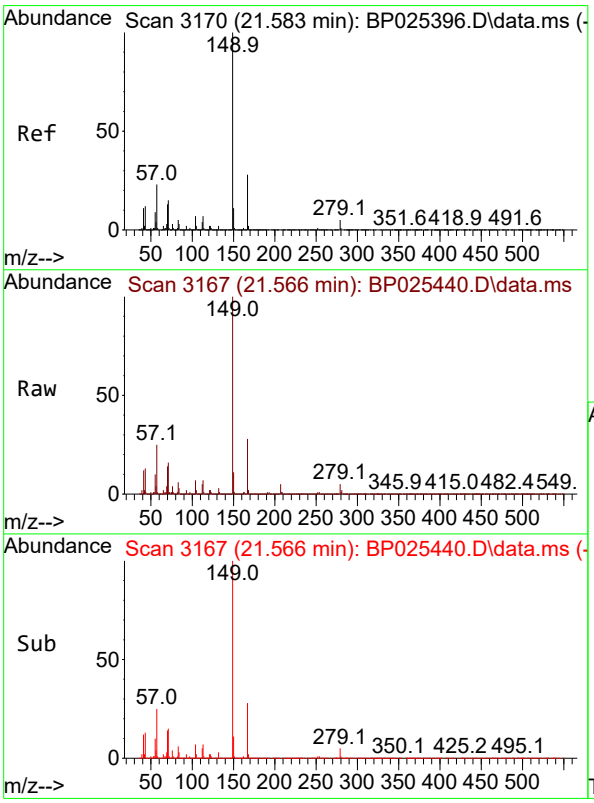
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	19.7	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

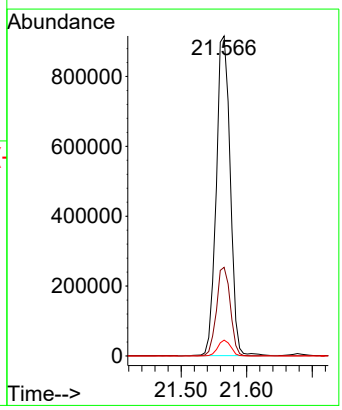
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

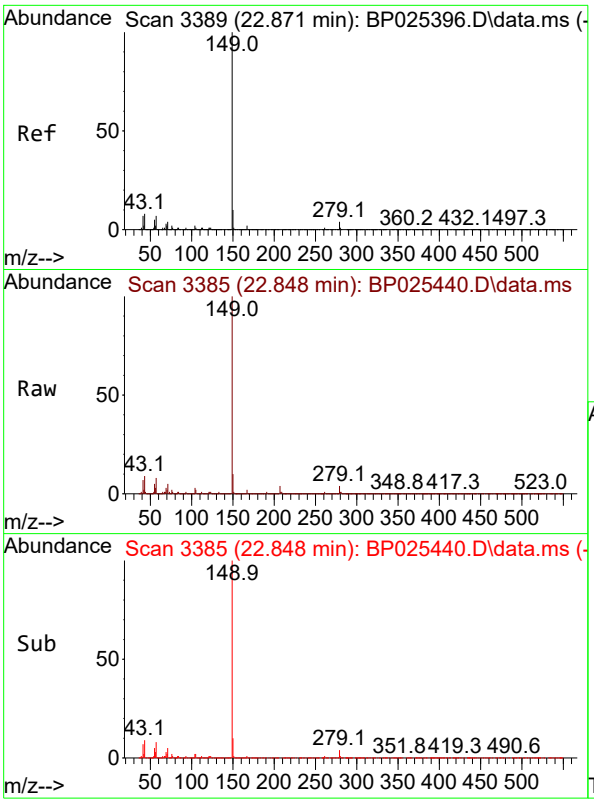


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.708 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:149 Resp: 1346772

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	5.0	3.8	5.6

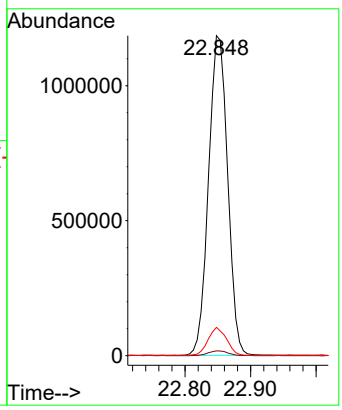




#85
Di-n-octyl phthalate
Concen: 41.010 ng
RT: 22.848 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:149 Resp: 239245

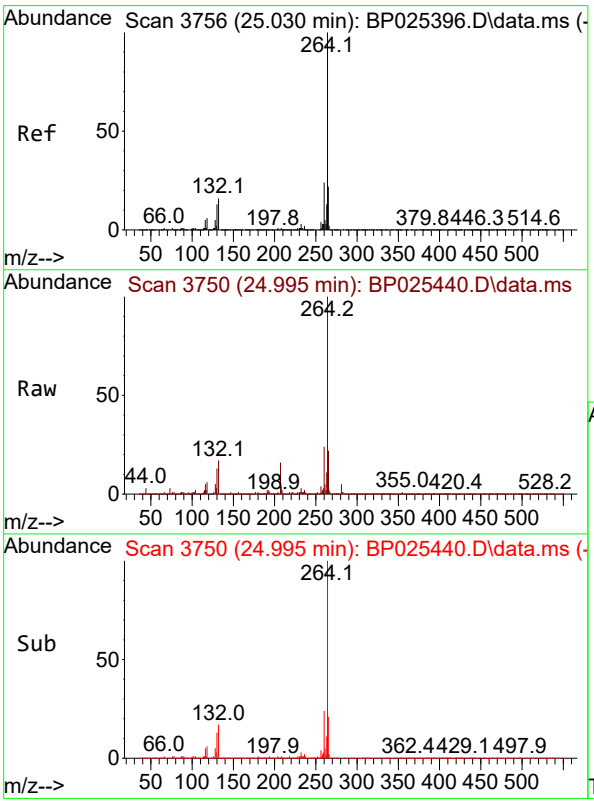
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.6	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

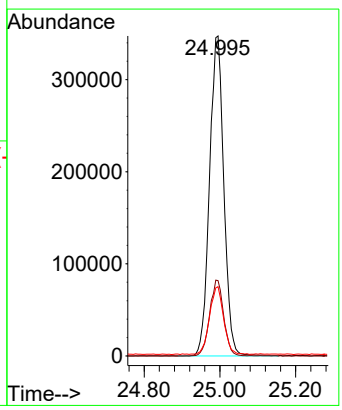
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

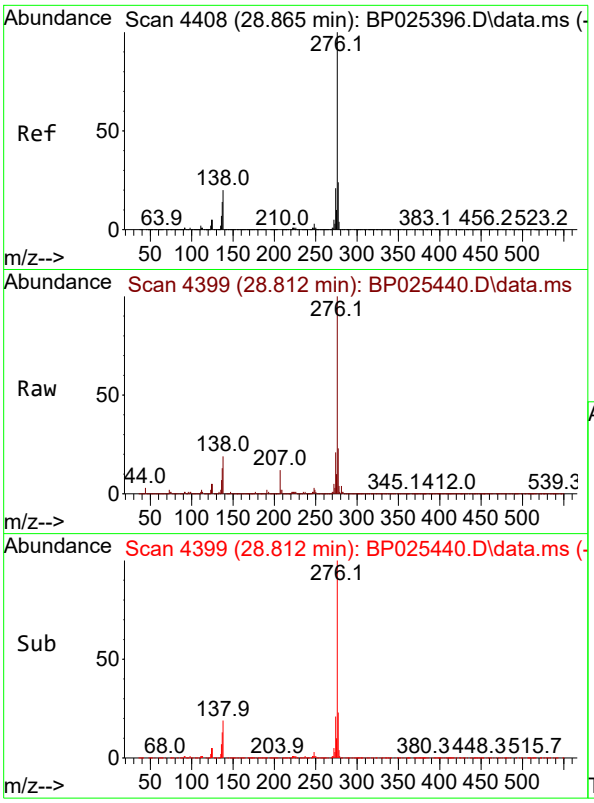


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.995 min Scan# 3750
Delta R.T. -0.035 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:264 Resp: 908232

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	21.6	17.4	26.0

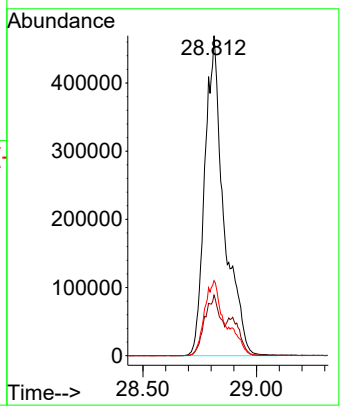




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.342 ng
RT: 28.812 min Scan# 4
Delta R.T. -0.053 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:276 Resp: 275359

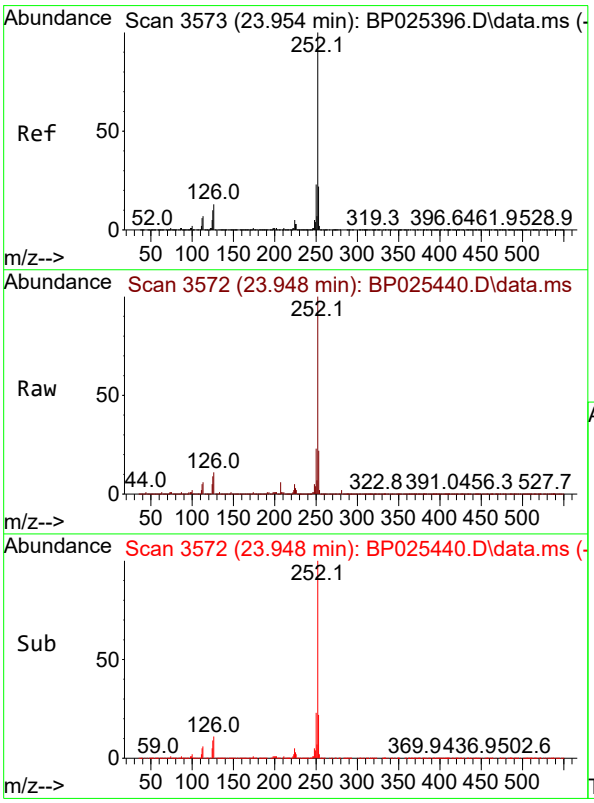
Ion	Ratio	Lower	Upper
276	100		
138	15.7	12.9	19.3
277	20.4	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

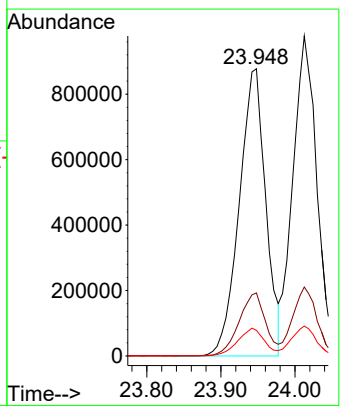
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

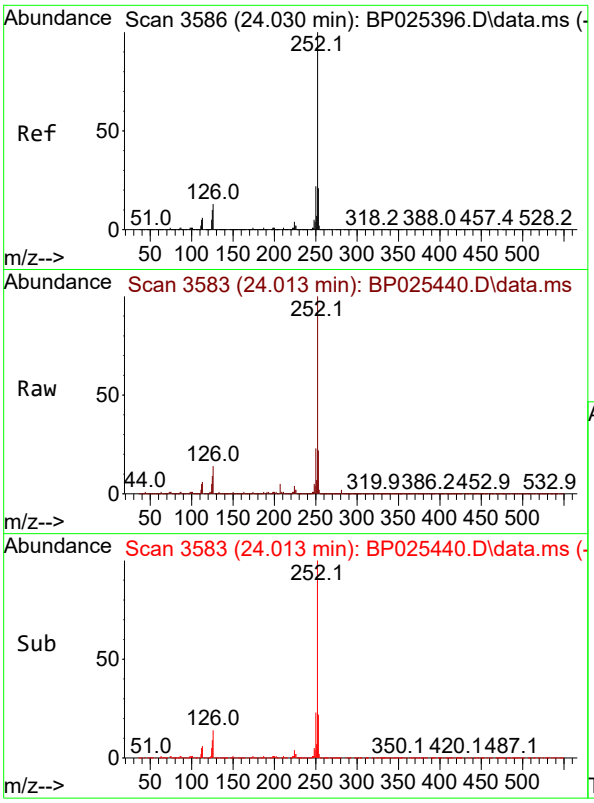


#88
Benzo(b)fluoranthene
Concen: 40.704 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:252 Resp: 2179936

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.9	7.9	11.9

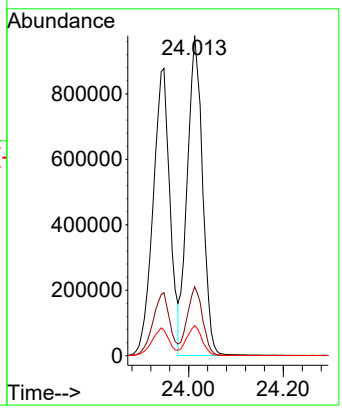




#89
Benzo(k)fluoranthene
Concen: 40.900 ng
RT: 24.013 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:252 Resp: 219194

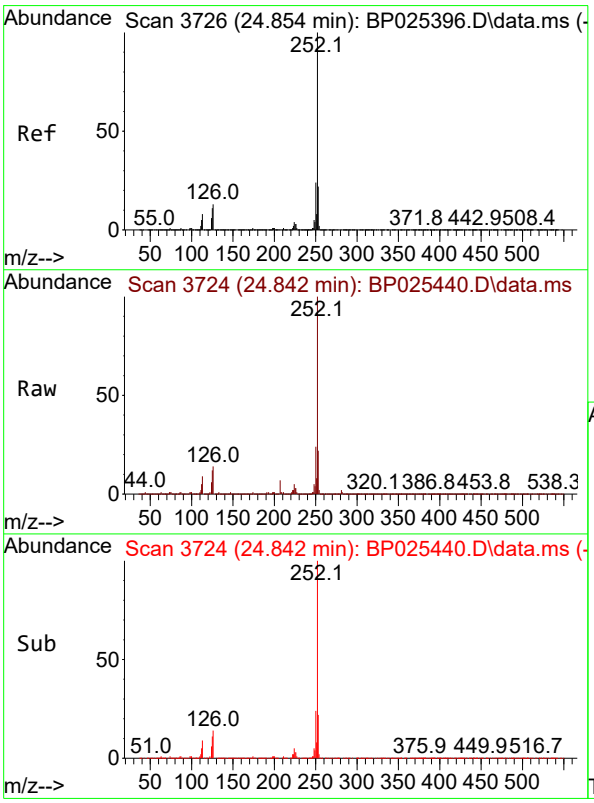
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.3	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

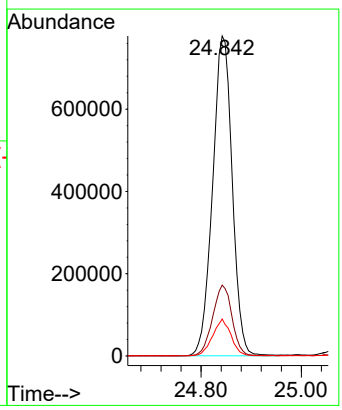
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

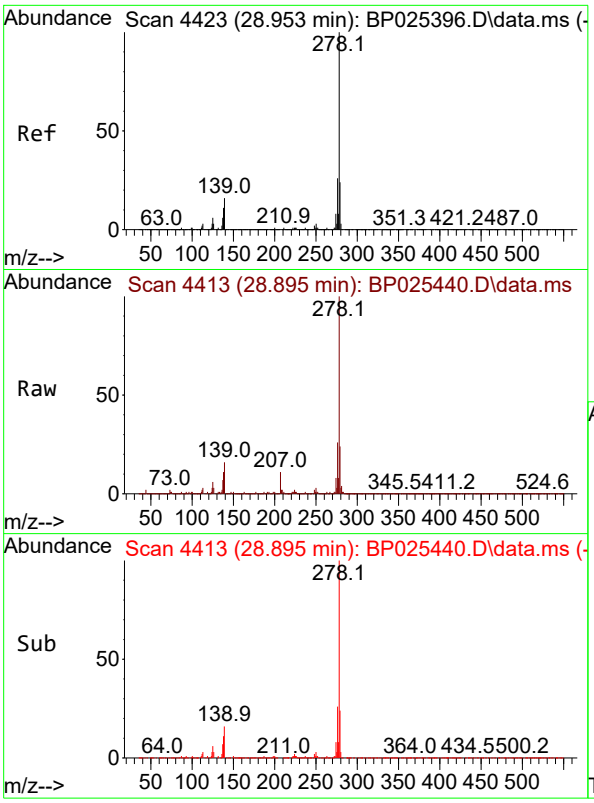


#90
Benzo(a)pyrene
Concen: 40.509 ng
RT: 24.842 min Scan# 3724
Delta R.T. -0.012 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:252 Resp: 2111811

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	11.5	8.7	13.1

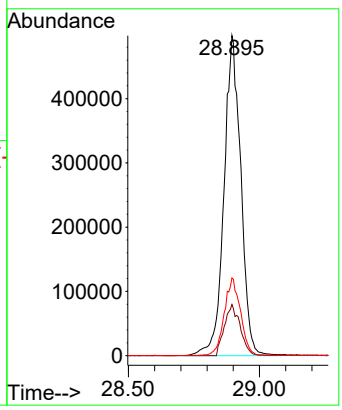




#91
Dibenzo(a,h)anthracene
Concen: 40.844 ng
RT: 28.895 min Scan# 44
Delta R.T. -0.059 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:278 Resp: 222317

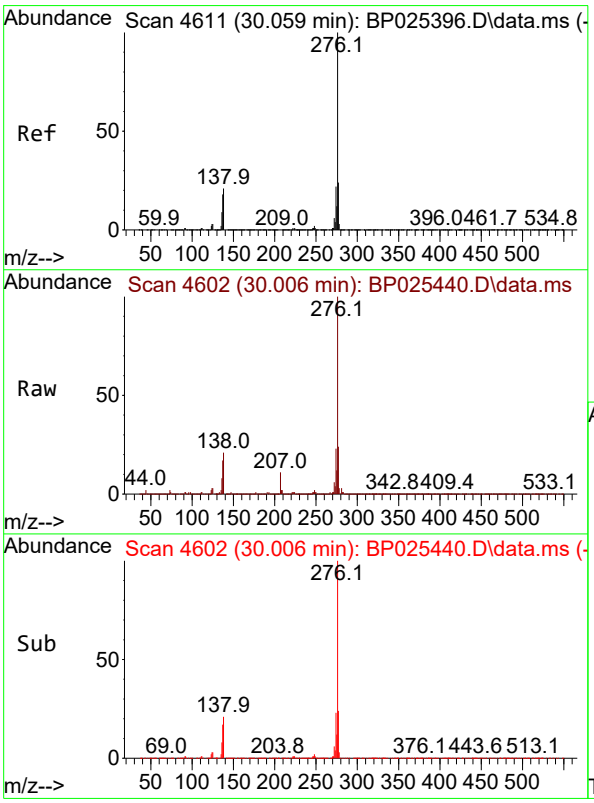
Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.0	19.4
279	24.3	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
PB169275BS

Manual Integrations
APPROVED

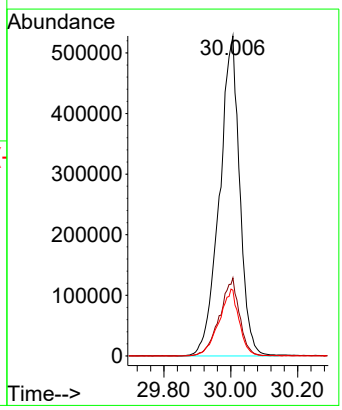
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#92
Benzo(g,h,i)perylene
Concen: 41.289 ng
RT: 30.006 min Scan# 4602
Delta R.T. -0.053 min
Lab File: BP025440.D
Acq: 16 Aug 2025 01:13

Tgt Ion:276 Resp: 2209159

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	20.6	16.7	25.1



Raw Data: **BP025449.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01MS	SDG No.:	Q2832
Lab Sample ID:	Q2832-02MS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025449.D	1	08/14/25 10:30	08/16/25 07:26	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	190		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	270		5.30	50.0	ug/L
95-48-7	2-Methylphenol	370		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	380		11.0	100	ug/L
67-72-1	Hexachloroethane	270		6.50	50.0	ug/L
98-95-3	Nitrobenzene	360		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	310		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	430		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	440		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	450		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	410		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	730		15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	109		15 (23) - 110 (138)	73%	SPK: 150
13127-88-3	Phenol-d6	104		15 (10) - 110 (134)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.3		30 (67) - 130 (132)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.2		30 (52) - 130 (132)	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	114		15 (44) - 110 (137)	76%	SPK: 150
1718-51-0	Terphenyl-d14	73.2		30 (42) - 130 (152)	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	165000	7.79			
1146-65-2	Naphthalene-d8	667000	10.56			
15067-26-2	Acenaphthene-d10	437000	14.401			
1517-22-2	Phenanthrene-d10	895000	17.195			
1719-03-5	Chrysene-d12	925000	21.636			
1520-96-3	Perylene-d12	1060000	25.012			

Raw Data: **BP025449.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	08/12/25
Client Sample ID:	TG-S01MS			SDG No.:	Q2832
Lab Sample ID:	Q2832-02MS			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025449.D	1	08/14/25 10:30	08/16/25 07:26	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025449.D
Acq On : 16 Aug 2025 07:26
Operator : CG/JU
Sample : Q2832-02MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 18 02:41:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	164836	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	666618	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	437299	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	894593	20.000	ng	0.00
76) Chrysene-d12	21.636	240	925169	20.000	ng	-0.01
86) Perylene-d12	25.012	264	1055241	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1081598	108.969	ng	0.00
7) Phenol-d6	6.966	99	1323326	103.989	ng	0.00
23) Nitrobenzene-d5	8.931	82	966155	73.316	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	672760	114.297	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2149000	67.162	ng	0.00
79) Terphenyl-d14	19.919	244	3699534	73.160	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.343	88	97008	24.951	ng	# 53
3) Pyridine	3.737	79	206730	19.427	ng	94
4) n-Nitrosodimethylamine	3.637	42	144247	32.879	ng	92
6) Aniline	7.125	93	281793	16.435	ng	99
8) 2-Chlorophenol	7.366	128	398206	35.552	ng	99
9) Benzaldehyde	6.937	77	116924	13.114	ng	98
10) Phenol	6.996	94	457199	34.239	ng	96
11) bis(2-Chloroethyl)ether	7.219	93	343909	33.044	ng	98
12) 1,3-Dichlorobenzene	7.684	146	330957	26.797	ng	99
13) 1,4-Dichlorobenzene	7.825	146	336224	26.634	ng	98
14) 1,2-Dichlorobenzene	8.137	146	335974	27.494	ng	99
15) Benzyl Alcohol	8.025	79	380155	37.597	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.313	45	471338	33.806	ng	98
17) 2-Methylphenol	8.225	107	347618	37.483	ng	98
18) Hexachloroethane	8.860	117	123377	26.582	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	292037	34.646	ng	94
20) 3+4-Methylphenols	8.549	107	484739	37.708	ng	97
22) Acetophenone	8.601	105	592958	35.469	ng	# 98
24) Nitrobenzene	8.972	77	420207	35.679	ng	98
25) Isophorone	9.496	82	866135	37.139	ng	99
26) 2-Nitrophenol	9.678	139	211619	35.012	ng	98
27) 2,4-Dimethylphenol	9.737	122	421857	40.585	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	526459	37.344	ng	99
29) 2,4-Dichlorophenol	10.207	162	421682	40.839	ng	98
30) 1,2,4-Trichlorobenzene	10.425	180	371209	32.795	ng	97
31) Naphthalene	10.613	128	1180434	34.069	ng	100
32) Benzoic acid	9.848	122	150498	19.612	ng	98
33) 4-Chloroaniline	10.713	127	109156	7.132	ng	98
34) Hexachlorobutadiene	10.895	225	215704	30.599	ng	99
35) Caprolactam	11.490	113	142050	37.518	ng	97
36) 4-Chloro-3-methylphenol	11.837	107	508938	42.954	ng	96
37) 2-Methylnaphthalene	12.213	142	832146	36.906	ng	99
38) 1-Methylnaphthalene	12.431	142	883807	36.858	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	472998	37.451	ng	99
41) Hexachlorocyclopentadiene	12.566	237	447911	58.713	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	363433	42.624	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025449.D
Acq On : 16 Aug 2025 07:26
Operator : CG/JU
Sample : Q2832-02MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 18 02:41:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	409062	43.775	ng	98
46) 1,1'-Biphenyl	13.225	154	1262533	39.753	ng	98
47) 2-Chloronaphthalene	13.266	162	968534	39.174	ng	100
48) 2-Nitroaniline	13.460	65	334660	46.454	ng	98
49) Acenaphthylene	14.119	152	1644219	40.190	ng	100
50) Dimethylphthalate	13.848	163	1362837	42.558	ng	100
51) 2,6-Dinitrotoluene	13.966	165	296891	43.987	ng	95
52) Acenaphthene	14.460	154	961954m	40.058	ng	
53) 3-Nitroaniline	14.295	138	187036	24.630	ng	95
54) 2,4-Dinitrophenol	14.501	184	124090	34.427	ng	98
55) Dibenzofuran	14.801	168	1540998	40.588	ng	98
56) 4-Nitrophenol	14.619	139	520865	83.470	ng	93
57) 2,4-Dinitrotoluene	14.766	165	433554	45.022	ng	99
58) Fluorene	15.466	166	1208443	40.337	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.036	232	363324	44.033	ng	98
60) Diethylphthalate	15.231	149	1374758	42.250	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	588951	39.528	ng	94
62) 4-Nitroaniline	15.478	138	310960	39.944	ng	92
63) Azobenzene	15.760	77	1251718	44.926	ng	98
65) 4,6-Dinitro-2-methylph...	15.536	198	128630	23.067	ng	94
66) n-Nitrosodiphenylamine	15.672	169	1151971	42.228	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	400184	40.674	ng	92
68) Hexachlorobenzene	16.489	284	466210	40.877	ng	97
69) Atrazine	16.648	200	399471	39.101	ng	98
70) Pentachlorophenol	16.842	266	522934	72.634	ng	98
71) Phenanthrene	17.242	178	2066337	42.048	ng	99
72) Anthracene	17.336	178	2129148	42.426	ng	99
73) Carbazole	17.613	167	2011095	42.545	ng	99
74) Di-n-butylphthalate	18.207	149	2512101	43.195	ng	100
75) Fluoranthene	19.319	202	2501162	42.668	ng	99
77) Benzidine	19.513	184	347788	11.015	ng	99
78) Pyrene	19.695	202	2593116	43.123	ng	100
80) Butylbenzylphthalate	20.648	149	1185643	43.505	ng	99
81) Benzo(a)anthracene	21.618	228	2564265	42.027	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	676694	29.424	ng	99
83) Chrysene	21.689	228	2440850	42.717	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	1707026	42.550	ng	99
85) Di-n-octyl phthalate	22.848	149	2973906	43.097	ng	99
87) Indeno(1,2,3-cd)pyrene	28.824	276	3326865	42.990	ng	93
88) Benzo(b)fluoranthene	23.936	252	2691417	43.253	ng	100
89) Benzo(k)fluoranthene	24.012	252	2652463	42.598	ng	99
90) Benzo(a)pyrene	24.854	252	2592886	42.808	ng	100
91) Dibenzo(a,h)anthracene	28.912	278	2726506	43.113	ng	99
92) Benzo(g,h,i)perylene	30.012	276	2678181	43.082	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025449.D
Acq On : 16 Aug 2025 07:26
Operator : CG/JU
Sample : Q2832-02MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 18 02:41:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

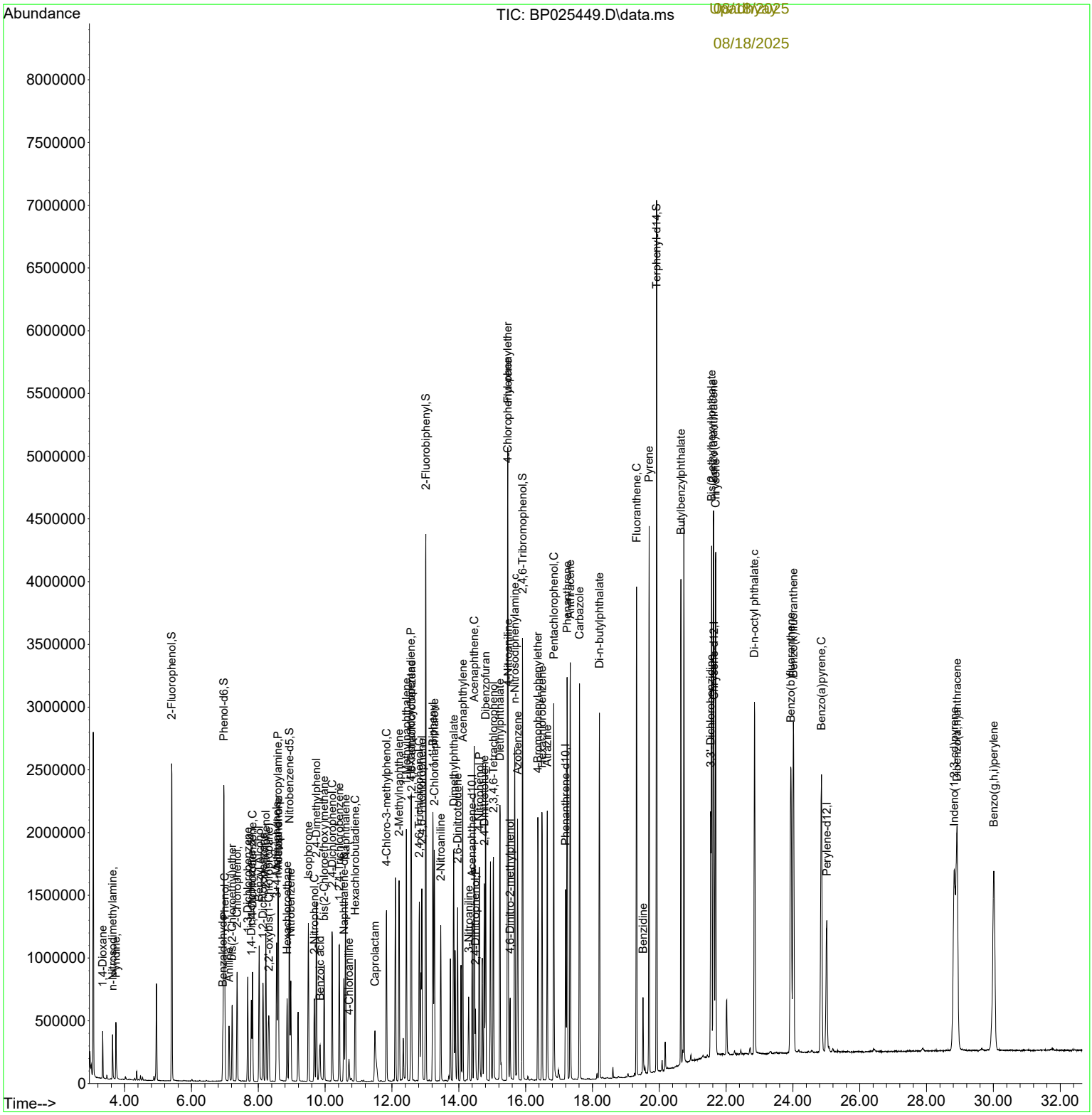
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

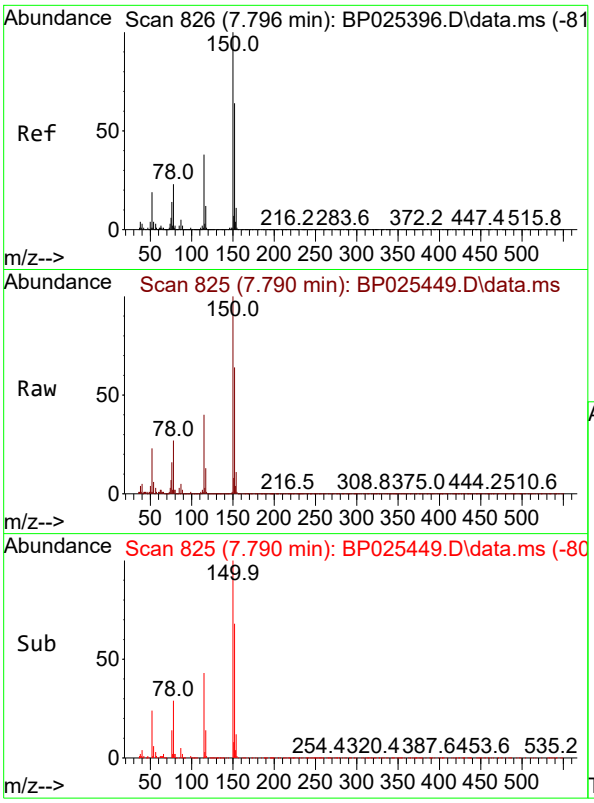
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

08/18/2025

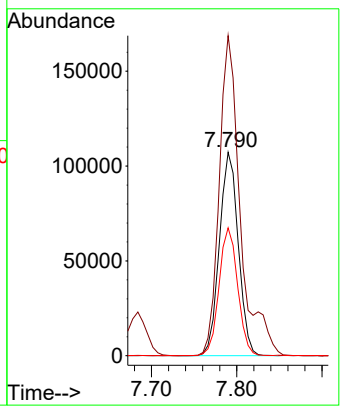




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:152 Resp: 16483

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.9	188.9
115	62.8	48.5	72.7

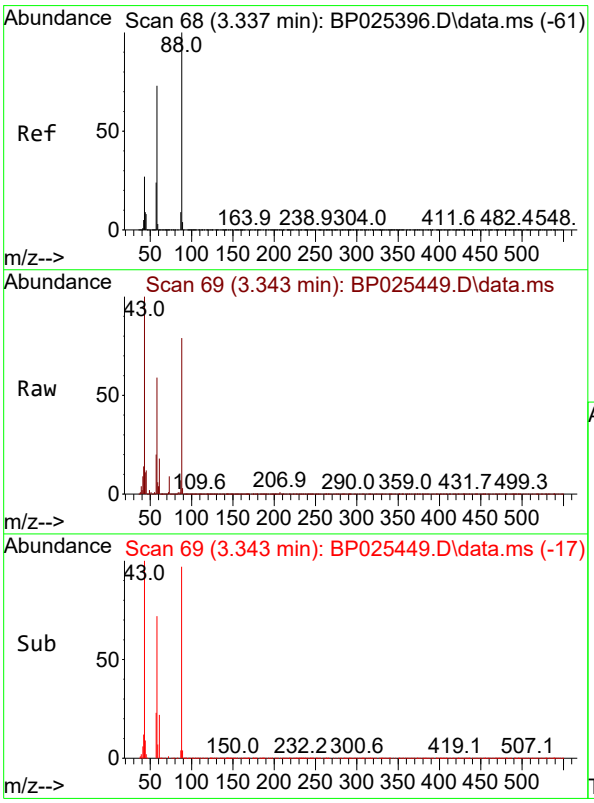


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

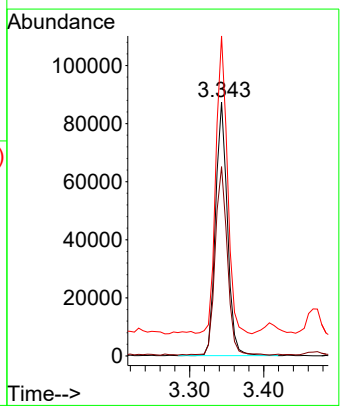
08/18/2025

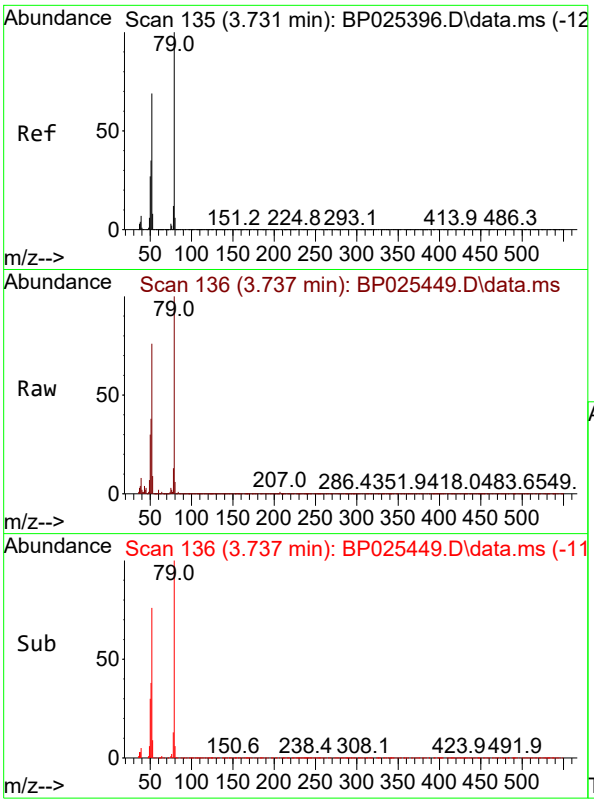


#2
1,4-Dioxane
Concen: 24.951 ng
RT: 3.343 min Scan# 69
Delta R.T. 0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 88 Resp: 97008

Ion	Ratio	Lower	Upper
88	100		
58	76.2	59.2	88.8
43	114.2	21.7	32.5#

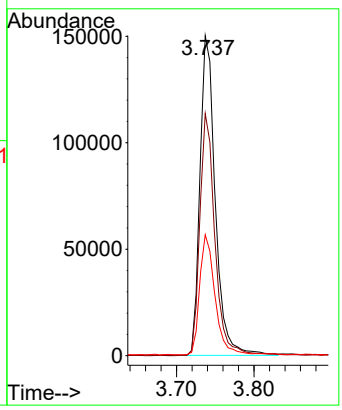




#3
Pyridine
Concen: 19.427 ng
RT: 3.737 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 79 Resp: 20673

Ion	Ratio	Lower	Upper
79	100		
52	75.7	55.5	83.3
51	37.8	28.3	42.5

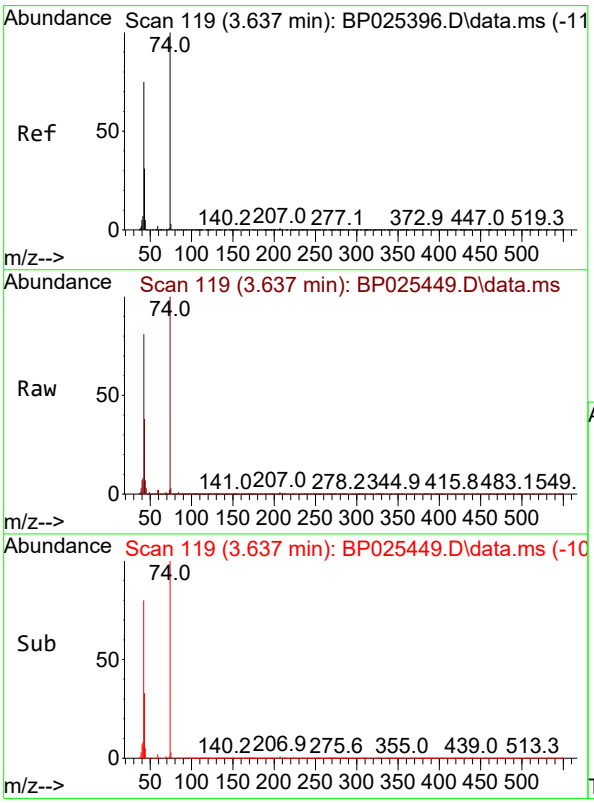


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

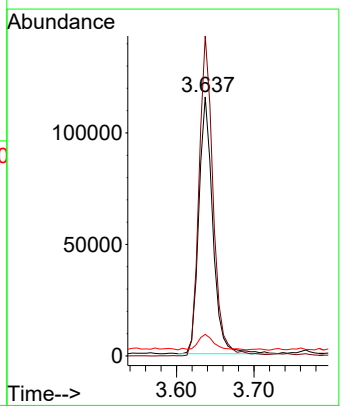
08/18/2025

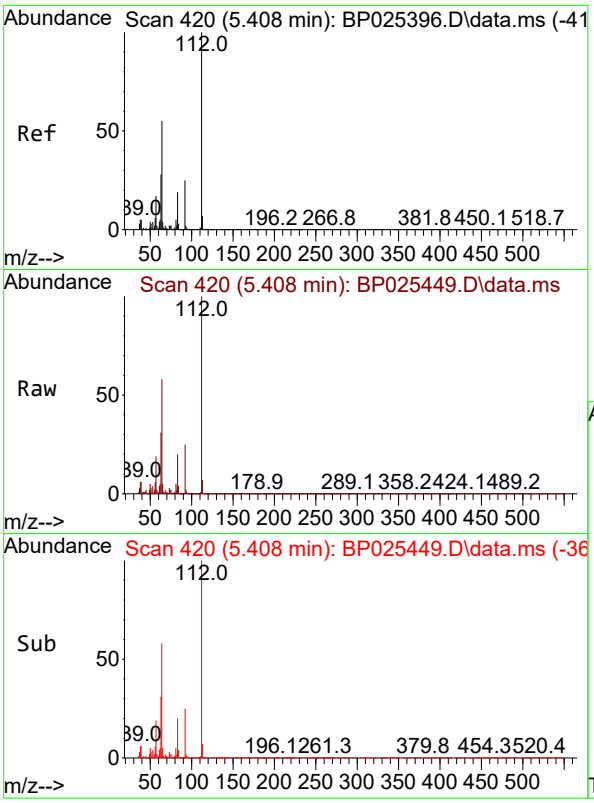


#4
n-Nitrosodimethylamine
Concen: 32.879 ng
RT: 3.637 min Scan# 119
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 42 Resp: 144247

Ion	Ratio	Lower	Upper
42	100		
74	123.5	107.0	160.4
44	8.3	6.2	9.4

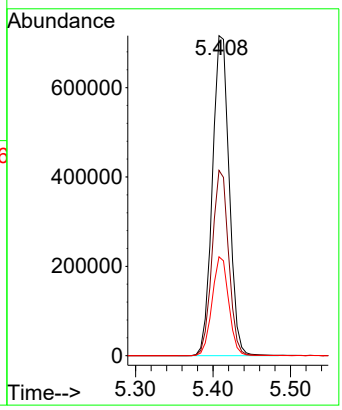




#5
2-Fluorophenol
Concen: 108.969 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:112 Resp: 108159

Ion	Ratio	Lower	Upper
112	100		
64	57.9	43.8	65.8
63	30.9	22.7	34.1



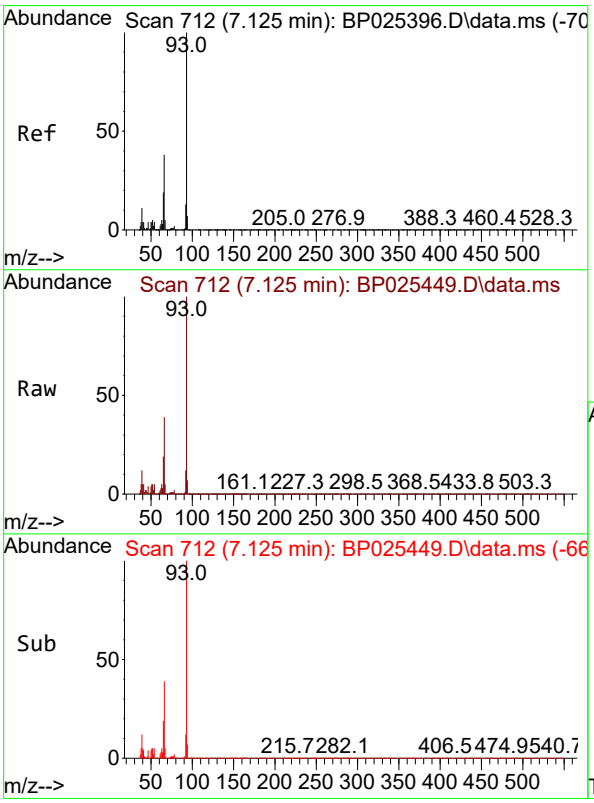
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

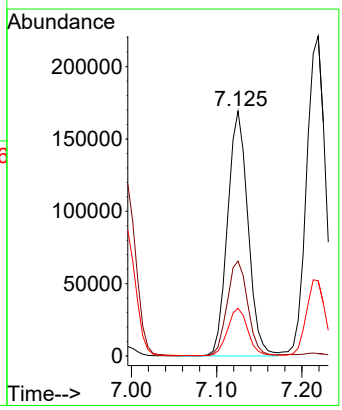
08/18/2025

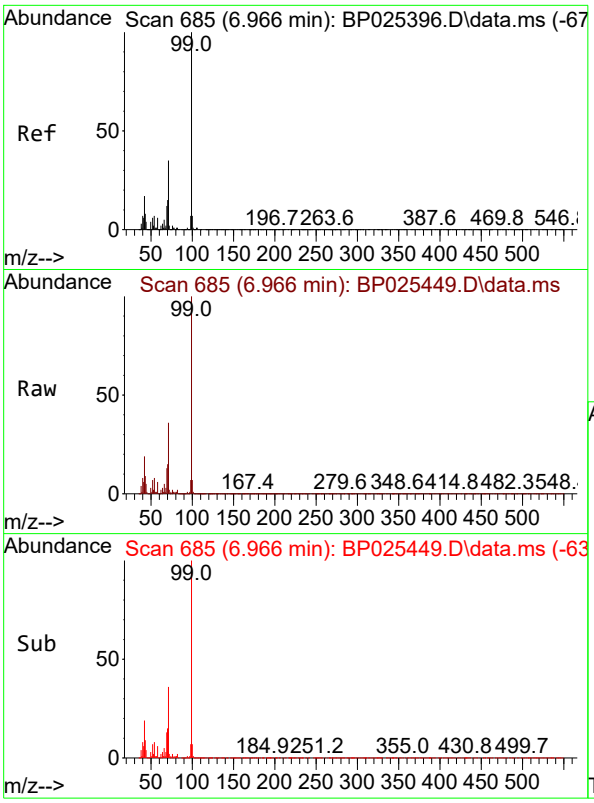


#6
Aniline
Concen: 16.435 ng
RT: 7.125 min Scan# 712
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 93 Resp: 281793

Ion	Ratio	Lower	Upper
93	100		
66	38.8	30.4	45.6
65	19.5	15.3	22.9

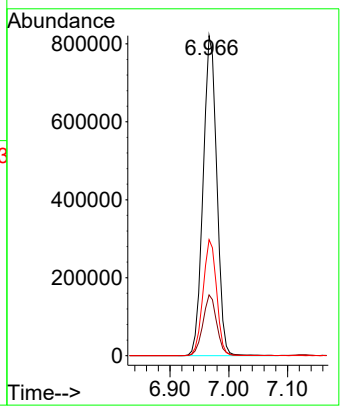




#7
Phenol-d6
Concen: 103.989 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 99 Resp: 132332

Ion	Ratio	Lower	Upper
99	100		
42	19.0	13.7	20.5
71	36.2	28.2	42.4

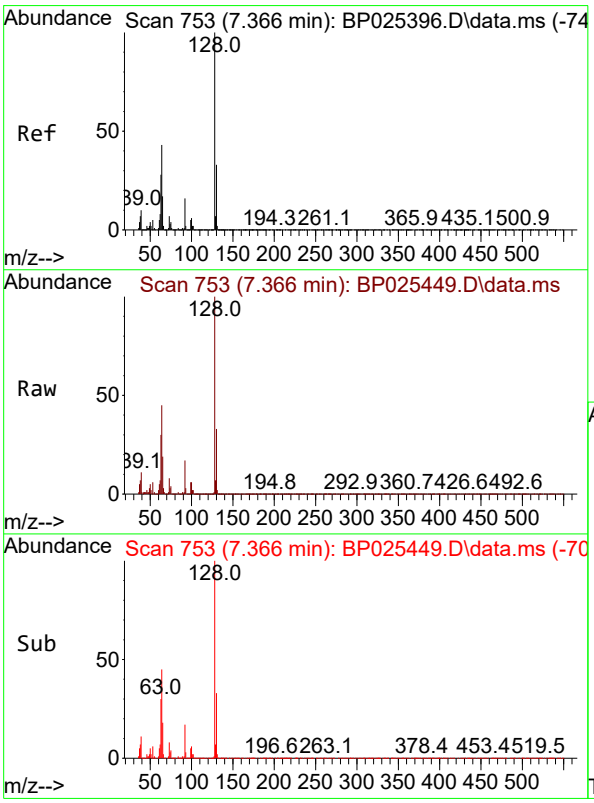


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

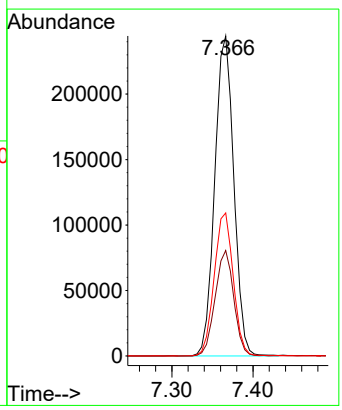
08/18/2025

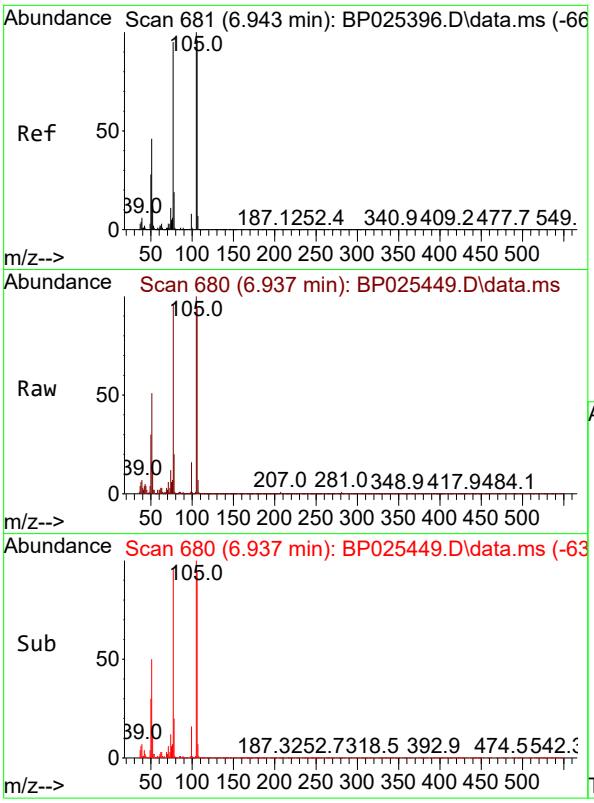


#8
2-Chlorophenol
Concen: 35.552 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:128 Resp: 398206

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	44.7	23.4	63.4

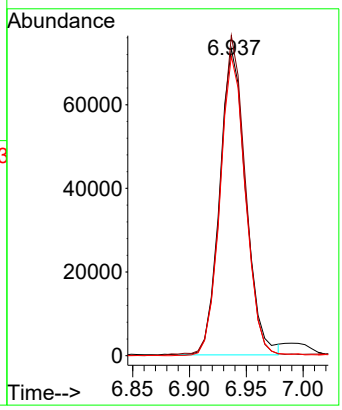




#9
Benzaldehyde
Concen: 13.114 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 77 Resp: 11692

Ion	Ratio	Lower	Upper
77	100		
105	104.2	84.8	124.8
106	97.6	80.5	120.5

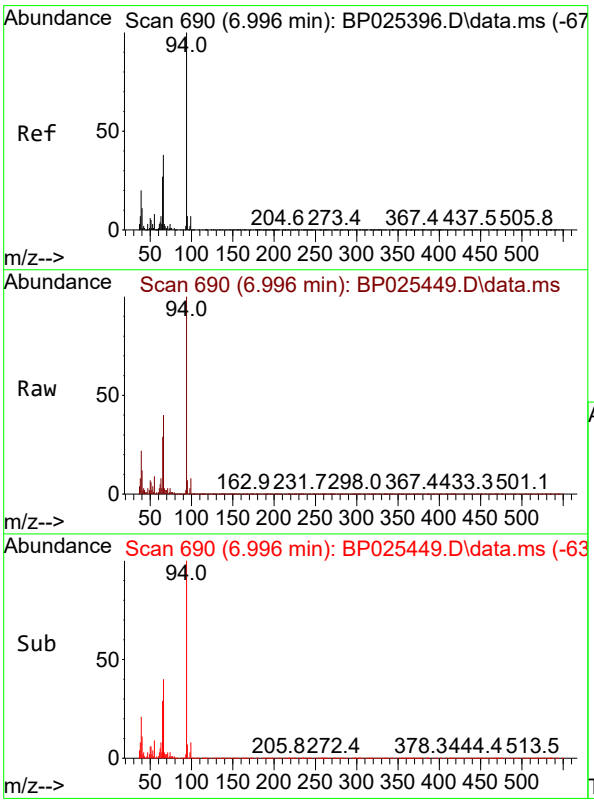


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

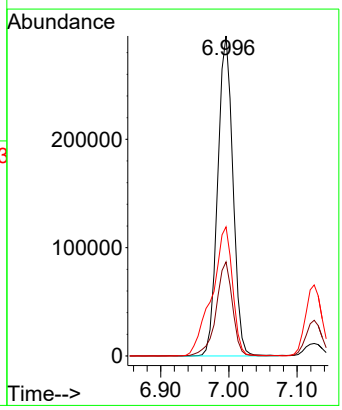
08/18/2025

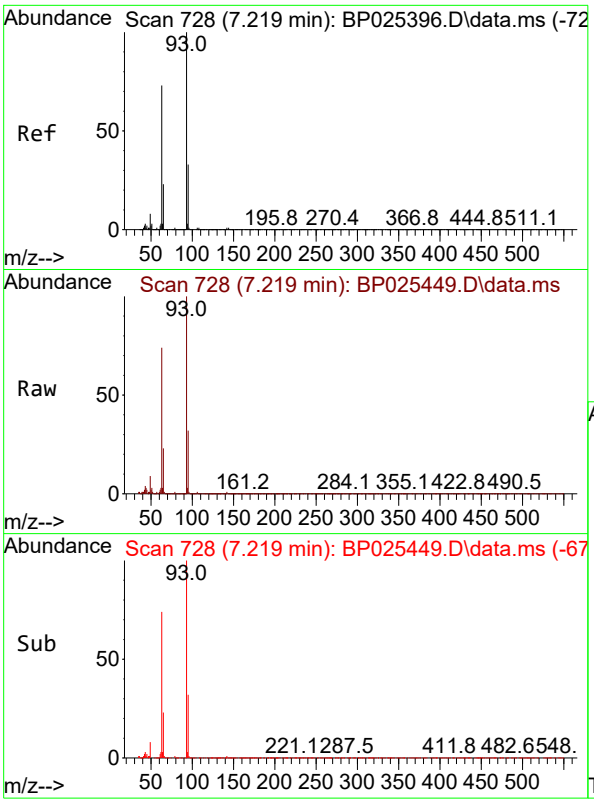


#10
Phenol
Concen: 34.239 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 94 Resp: 457199

Ion	Ratio	Lower	Upper
94	100		
65	29.4	6.8	46.8
66	40.3	18.2	58.2

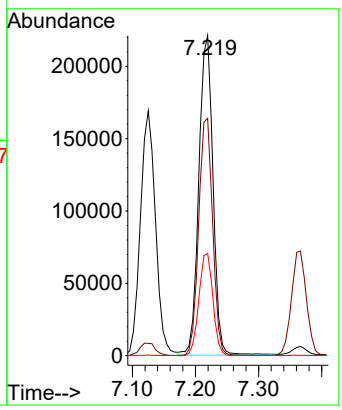




#11
bis(2-Chloroethyl)ether
Concen: 33.044 ng
RT: 7.219 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 93 Resp: 34390

Ion	Ratio	Lower	Upper
93	100		
63	74.2	52.6	92.6
95	32.0	12.7	52.7

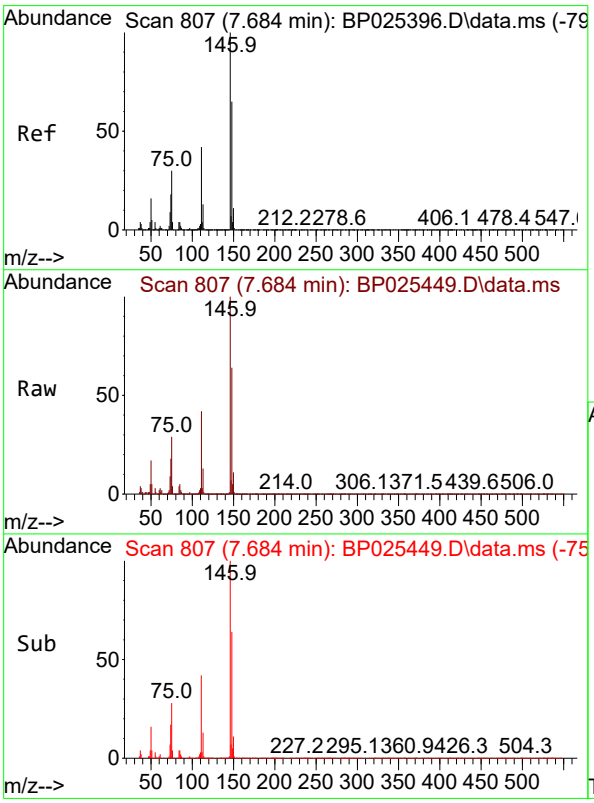


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

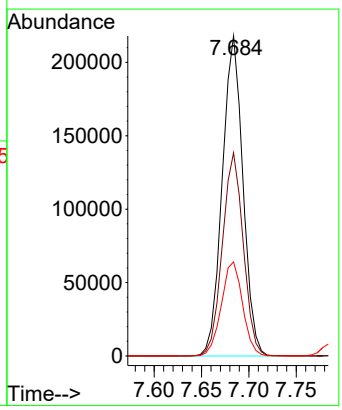
08/18/2025

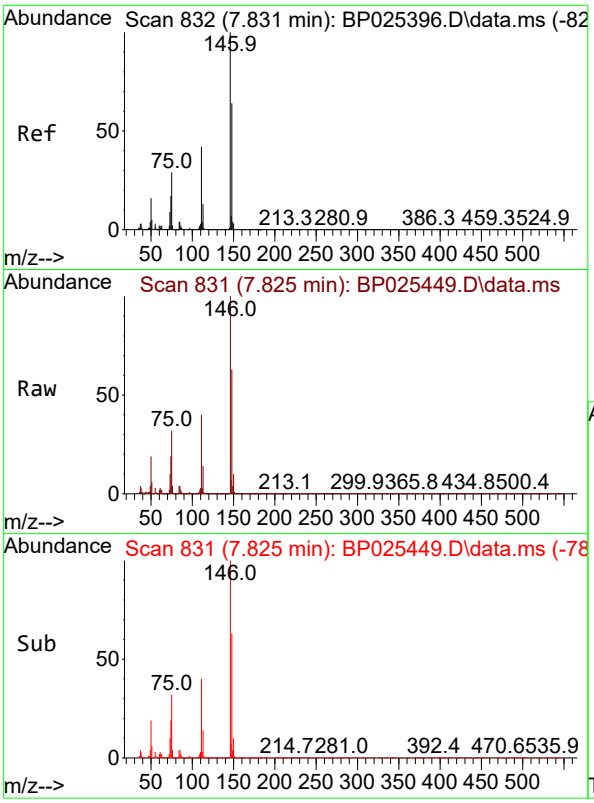


#12
1,3-Dichlorobenzene
Concen: 26.797 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:146 Resp: 330957

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.9	77.9
75	29.4	23.7	35.5

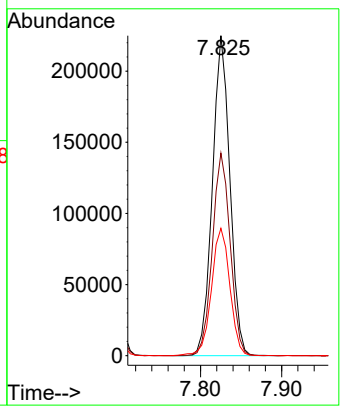




#13
1,4-Dichlorobenzene
Concen: 26.634 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:146 Resp: 33622

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.6	77.4
111	39.8	33.4	50.0



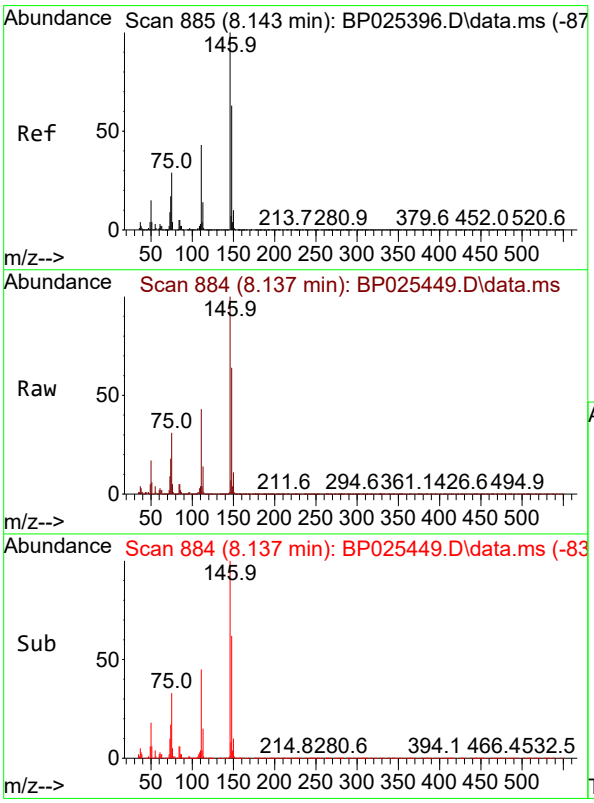
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

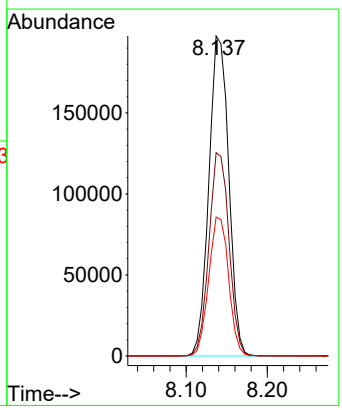
08/18/2025

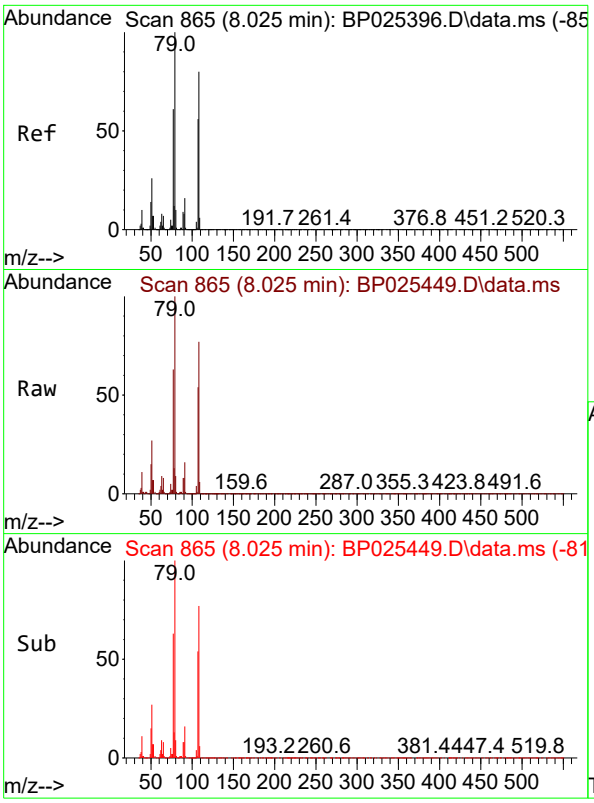


#14
1,2-Dichlorobenzene
Concen: 27.494 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:146 Resp: 335974

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.4	75.6
111	43.4	34.5	51.7

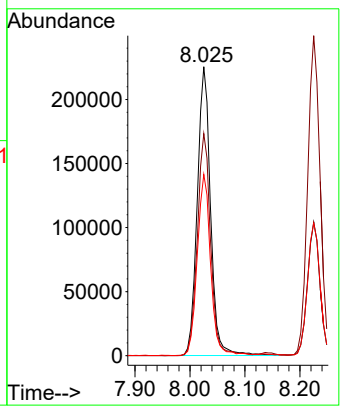




#15
Benzyl Alcohol
Concen: 37.597 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 79 Resp: 38015

Ion	Ratio	Lower	Upper
79	100		
108	76.9	63.8	95.6
77	62.8	49.0	73.4



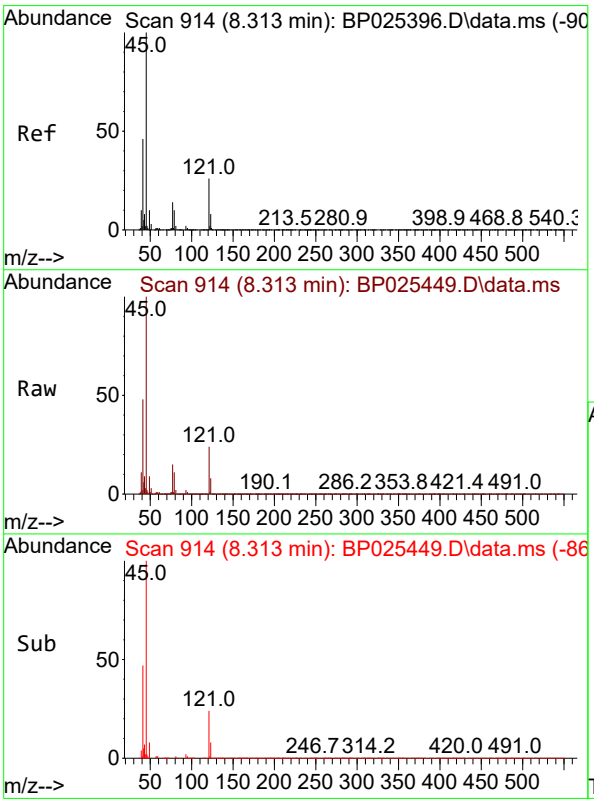
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

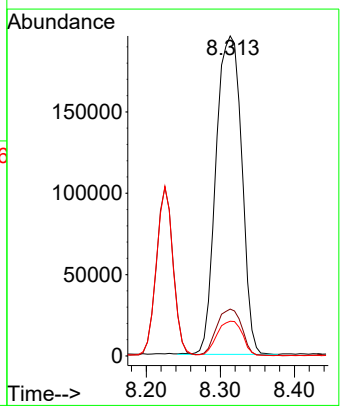
08/18/2025

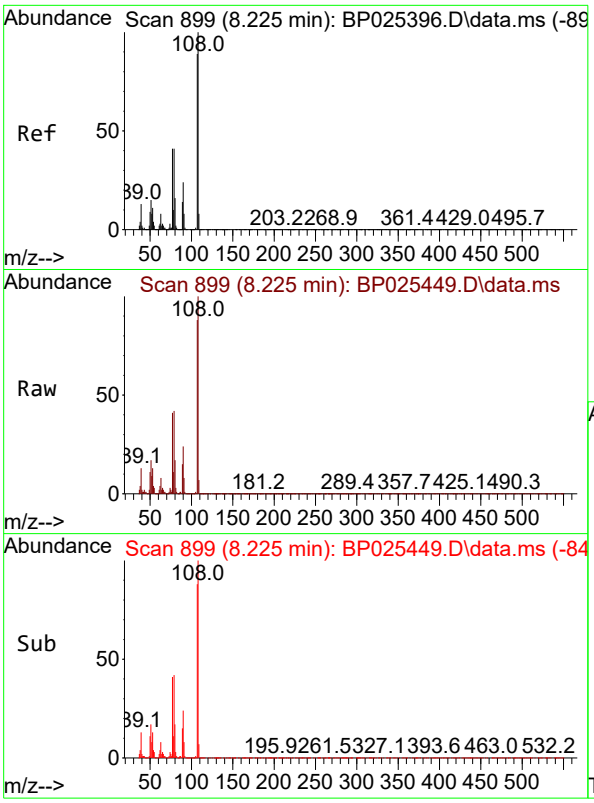


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.806 ng
RT: 8.313 min Scan# 914
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 45 Resp: 471338

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	35.3
79	10.9	0.0	31.8

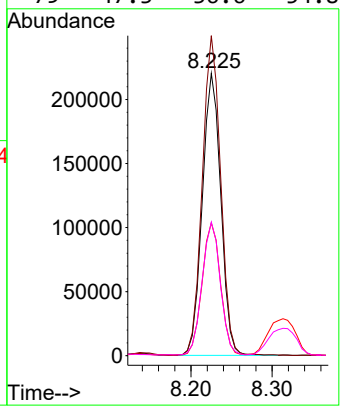




#17
2-Methylphenol
Concen: 37.483 ng
RT: 8.225 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:107 Resp: 34761

Ion	Ratio	Lower	Upper
107	100		
108	113.4	89.4	134.0
77	47.0	36.3	54.5
79	47.3	36.6	54.8

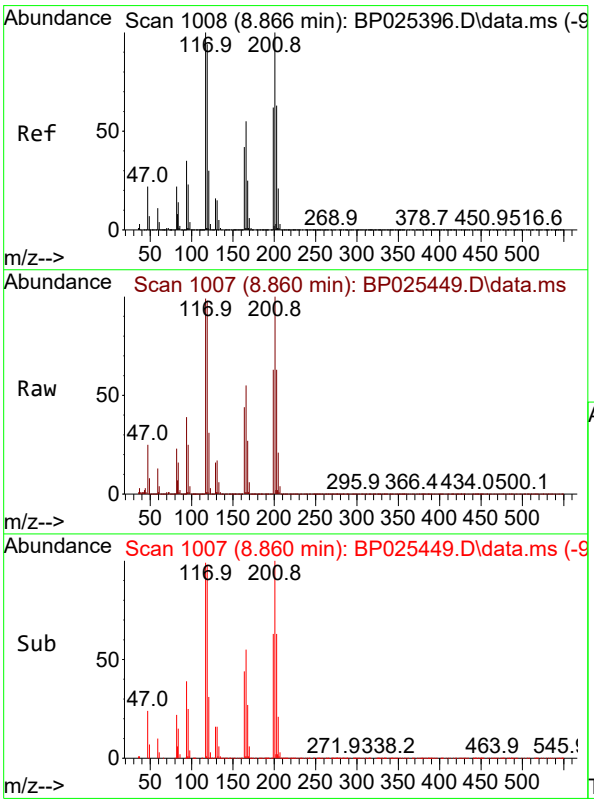


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

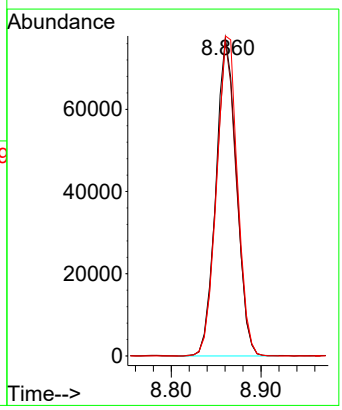
08/18/2025

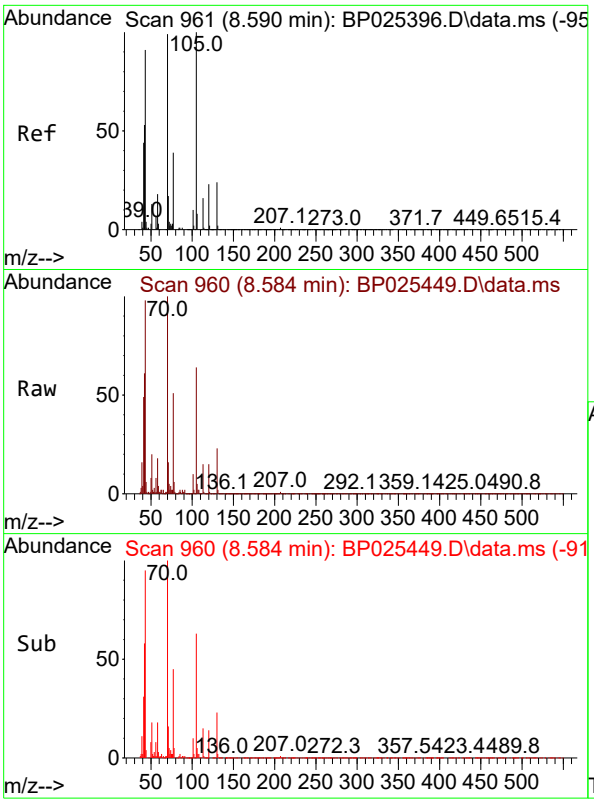


#18
Hexachloroethane
Concen: 26.582 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:117 Resp: 123377

Ion	Ratio	Lower	Upper
117	100		
119	99.0	75.1	112.7
201	100.6	80.1	120.1

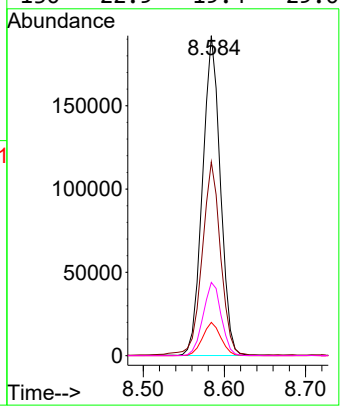




#19
n-Nitroso-di-n-propylamine
Concen: 34.646 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 70 Resp: 29203

Ion	Ratio	Lower	Upper
70	100		
42	60.6	43.8	65.6
101	10.4	8.5	12.7
130	22.9	19.4	29.0

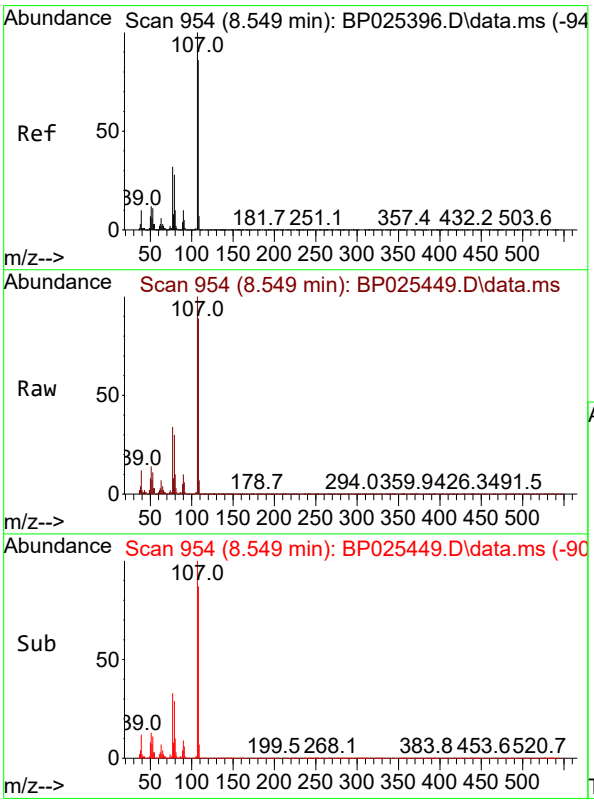


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

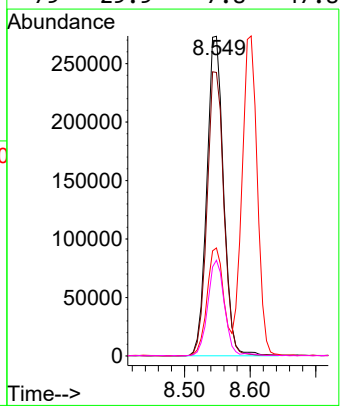
08/18/2025

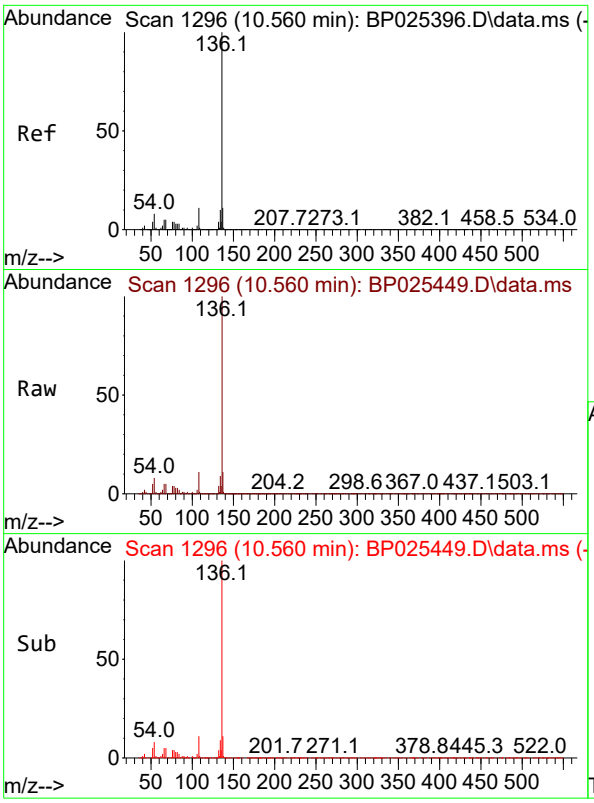


#20
3+4-Methylphenols
Concen: 37.708 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:107 Resp: 484739

Ion	Ratio	Lower	Upper
107	100		
108	88.7	66.3	106.3
77	33.8	12.3	52.3
79	29.9	7.8	47.8

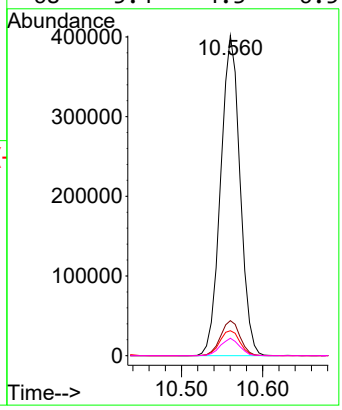




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:136 Resp: 66661

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.8	6.0	9.0
68	5.4	4.3	6.5

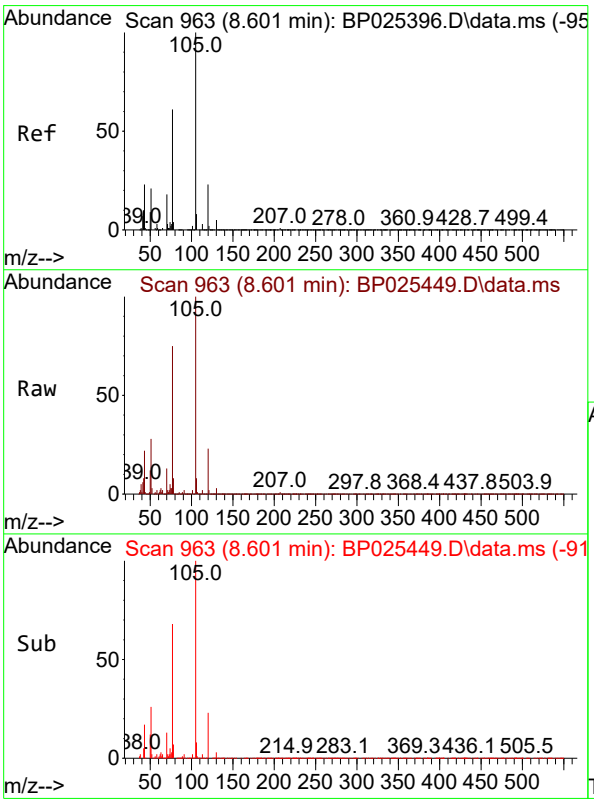


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

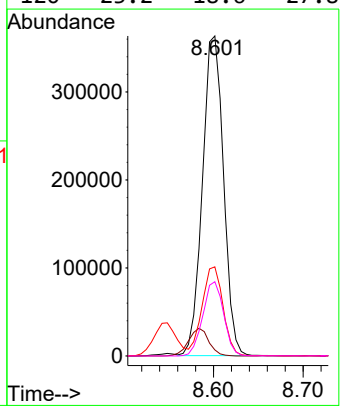
Supervised By :Jagrut Upadhyay 08/18/2025

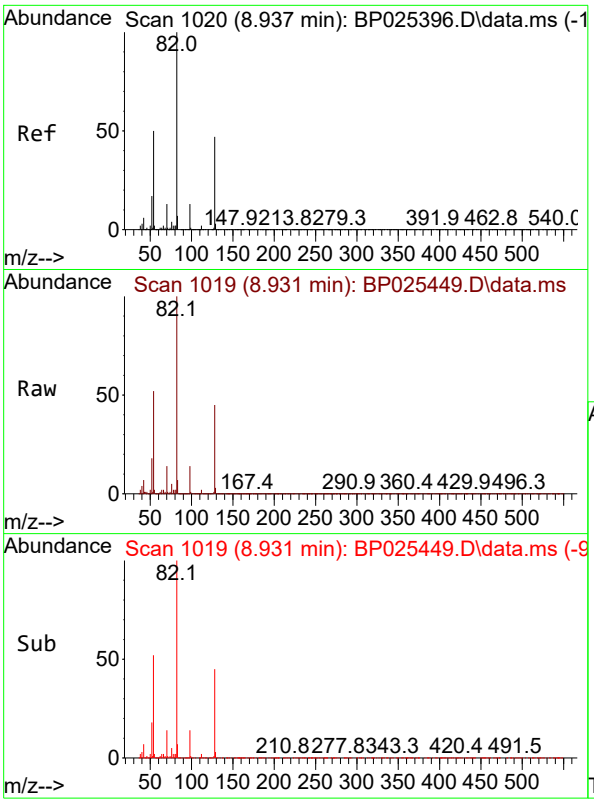


#22
Acetophenone
Concen: 35.469 ng
RT: 8.601 min Scan# 963
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:105 Resp: 592958

Ion	Ratio	Lower	Upper
105	100		
71	1.9	2.6	4.0#
51	27.8	20.6	30.8
120	23.2	18.6	27.8

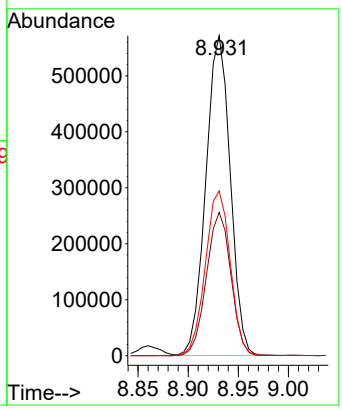




#23
Nitrobenzene-d5
Concen: 73.316 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 82 Resp: 96615

Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.7	56.5
54	51.5	39.8	59.6

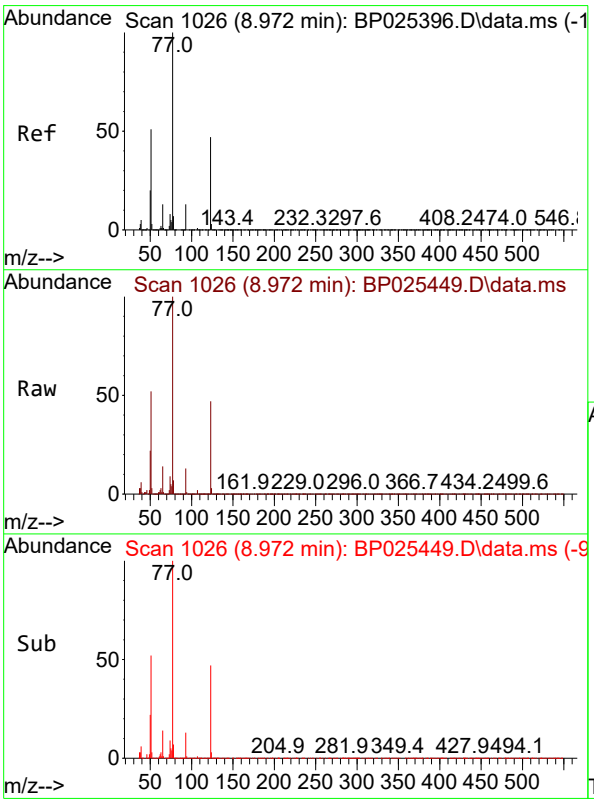


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

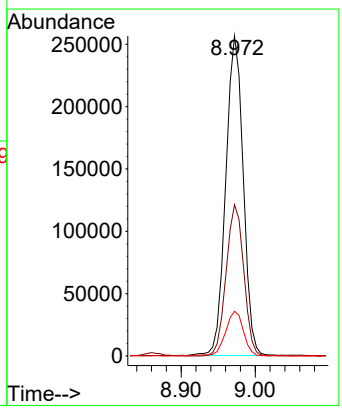
08/18/2025

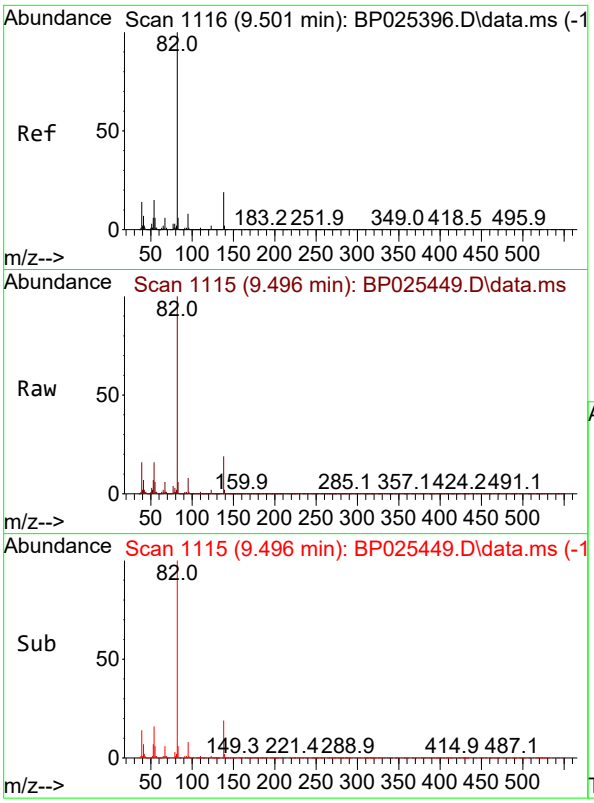


#24
Nitrobenzene
Concen: 35.679 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 77 Resp: 420207

Ion	Ratio	Lower	Upper
77	100		
123	47.3	38.6	58.0
65	14.0	10.6	15.8

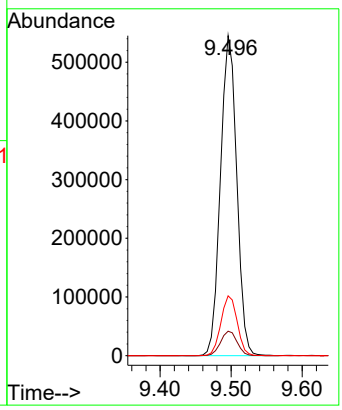




#25
Isophorone
Concen: 37.139 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 82 Resp: 86613

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	18.7	15.4	23.0

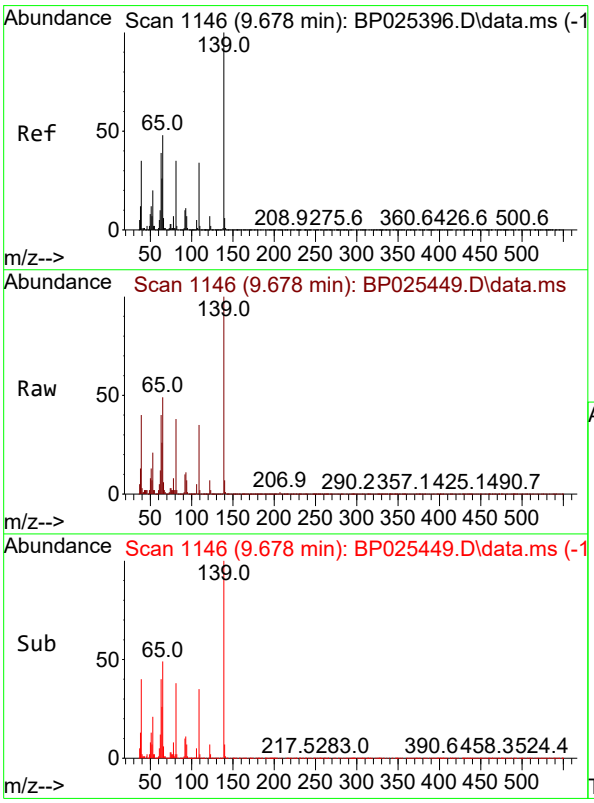


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

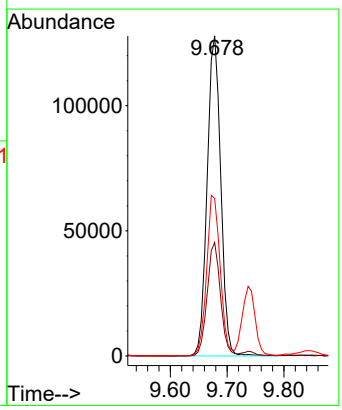
08/18/2025

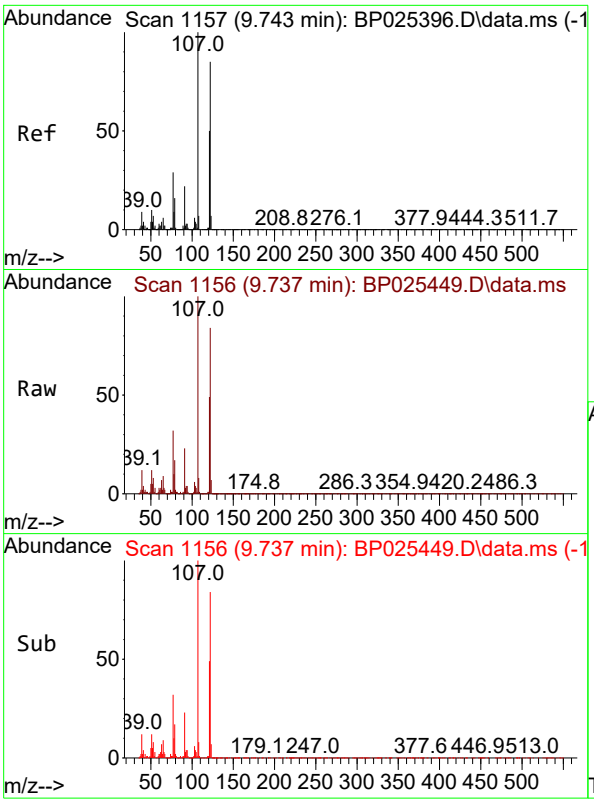


#26
2-Nitrophenol
Concen: 35.012 ng
RT: 9.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:139 Resp: 211619

Ion	Ratio	Lower	Upper
139	100		
109	35.5	26.9	40.3
65	49.2	38.3	57.5

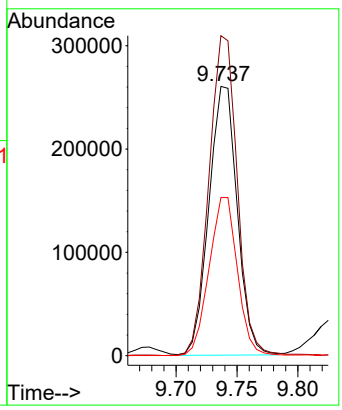




#27
2,4-Dimethylphenol
Concen: 40.585 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:122 Resp: 42185

Ion	Ratio	Lower	Upper
122	100		
107	118.8	93.7	140.5
121	58.7	46.6	69.8

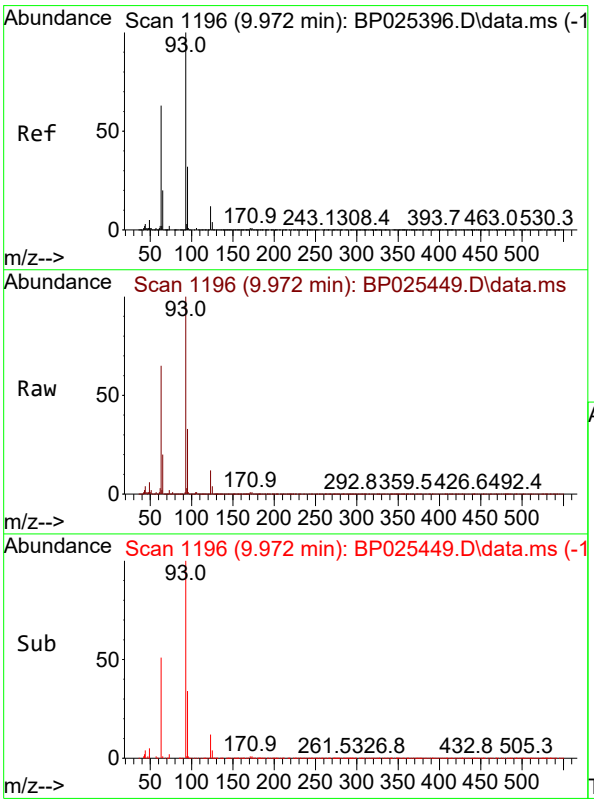


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

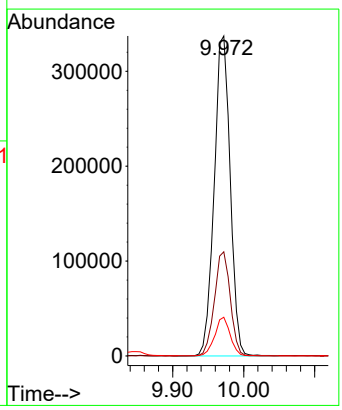
08/18/2025

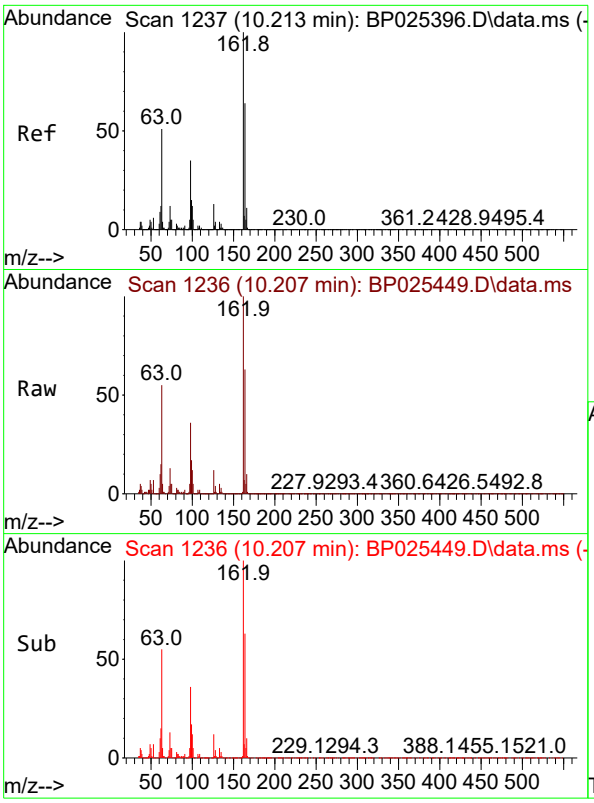


#28
bis(2-Chloroethoxy)methane
Concen: 37.344 ng
RT: 9.972 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 93 Resp: 526459

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.4	38.0
123	12.1	9.4	14.0

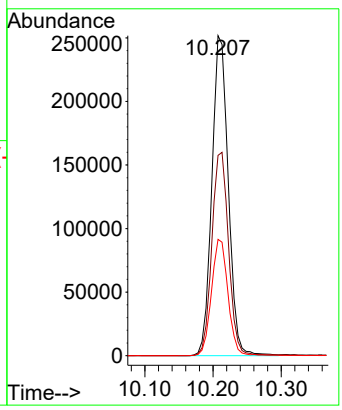




#29
2,4-Dichlorophenol
Concen: 40.839 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:162 Resp: 42168

Ion	Ratio	Lower	Upper
162	100		
164	62.6	44.4	84.4
98	36.4	14.9	54.9



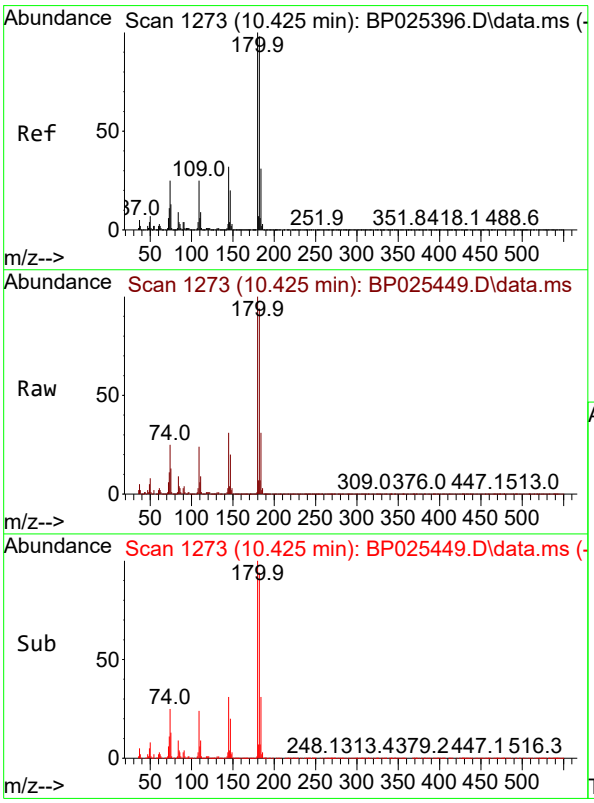
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

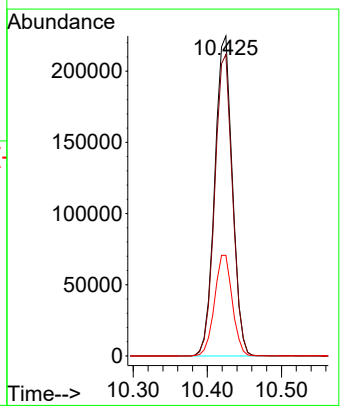
08/18/2025

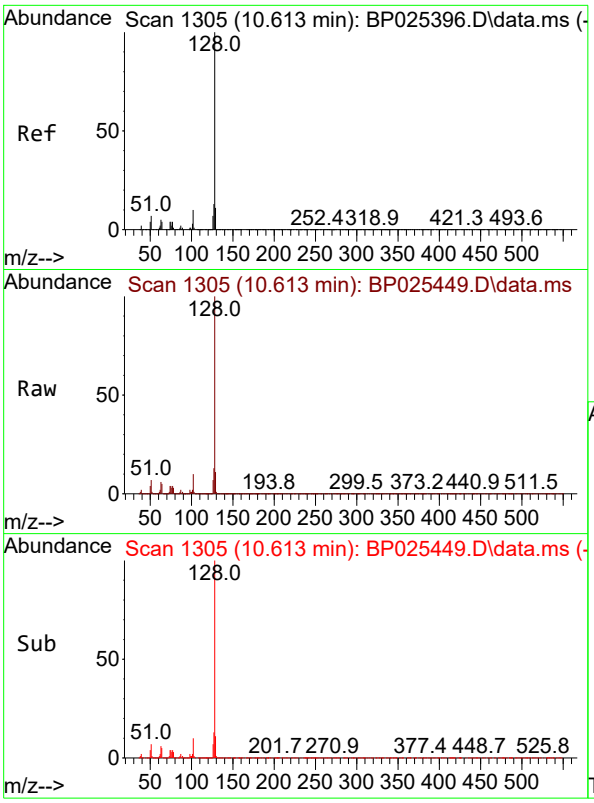


#30
1,2,4-Trichlorobenzene
Concen: 32.795 ng
RT: 10.425 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:180 Resp: 371209

Ion	Ratio	Lower	Upper
180	100		
182	94.2	78.0	117.0
145	31.4	25.9	38.9

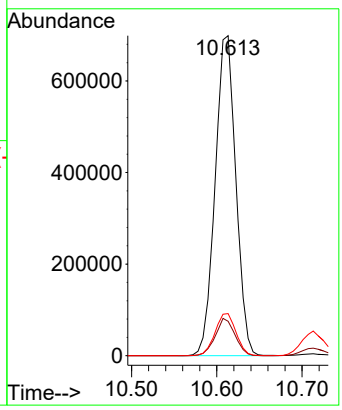




#31
Naphthalene
Concen: 34.069 ng
RT: 10.613 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:128 Resp: 118043

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	13.1	10.7	16.1

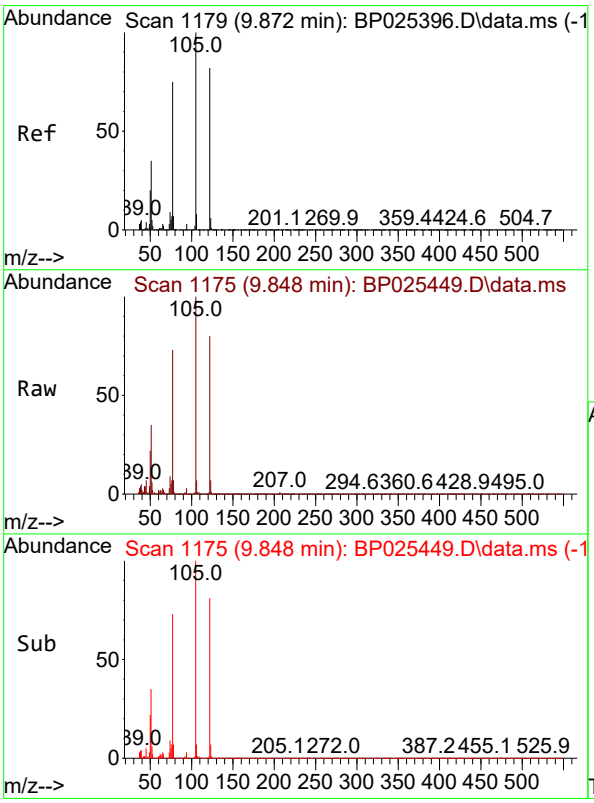


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

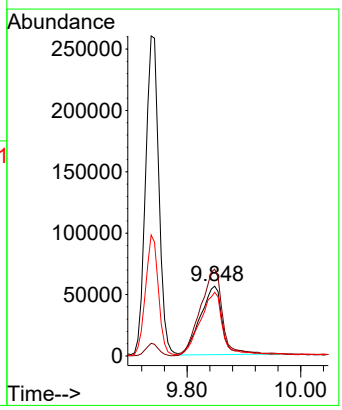
08/18/2025

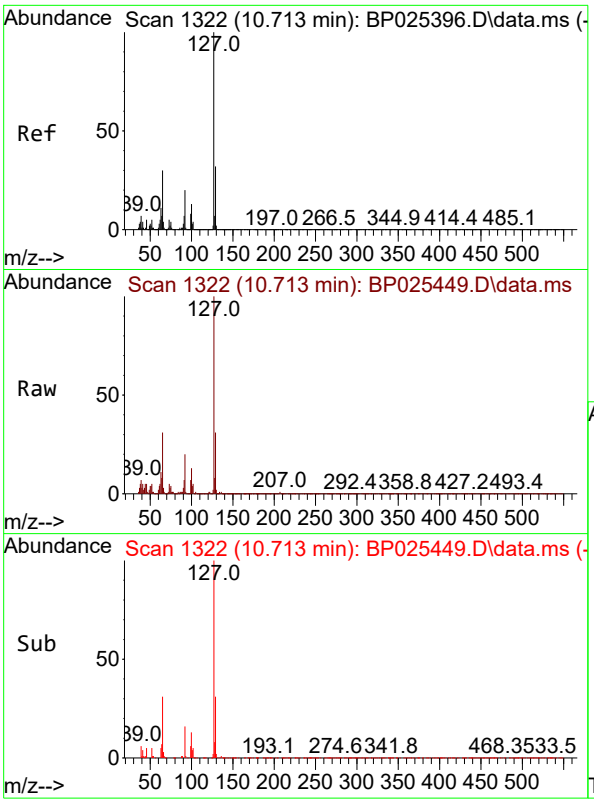


#32
Benzoic acid
Concen: 19.612 ng
RT: 9.848 min Scan# 1175
Delta R.T. -0.024 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:122 Resp: 150498

Ion	Ratio	Lower	Upper
122	100		
105	124.3	100.6	140.6
77	91.3	71.5	111.5

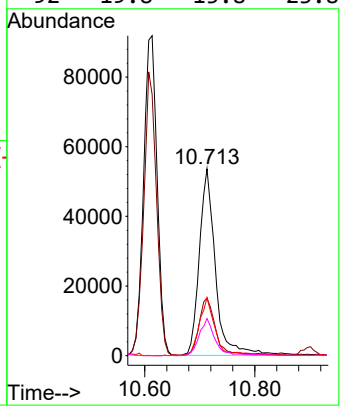




#33
4-Chloroaniline
Concen: 7.132 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:127 Resp: 10915

Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.4	38.2
65	31.1	23.8	35.6
92	19.8	15.8	23.8



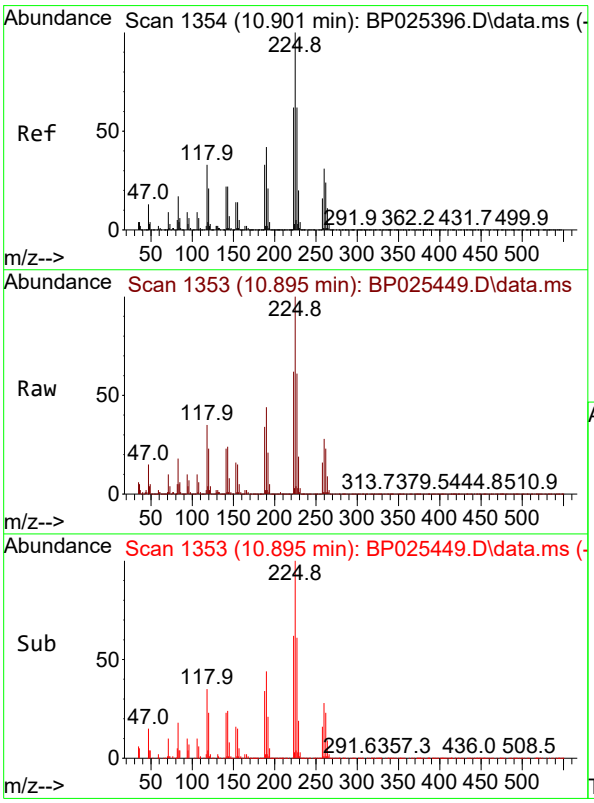
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

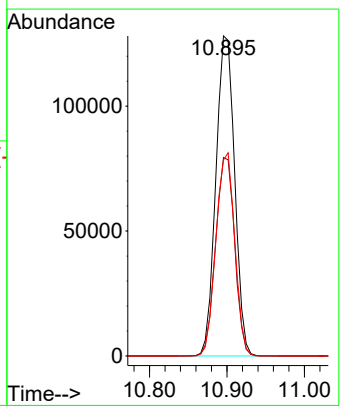
08/18/2025

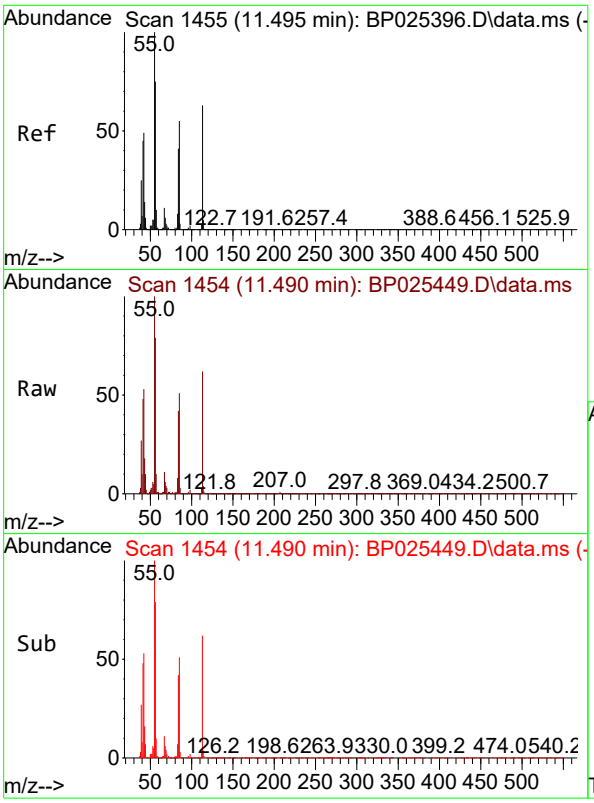


#34
Hexachlorobutadiene
Concen: 30.599 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:225 Resp: 215704

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.0	75.0
227	61.3	49.7	74.5

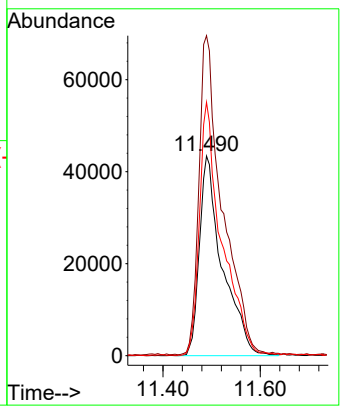




#35
Caprolactam
Concen: 37.518 ng
RT: 11.490 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:113 Resp: 14205

Ion	Ratio	Lower	Upper
113	100		
55	160.3	140.0	180.0
56	126.9	100.0	140.0

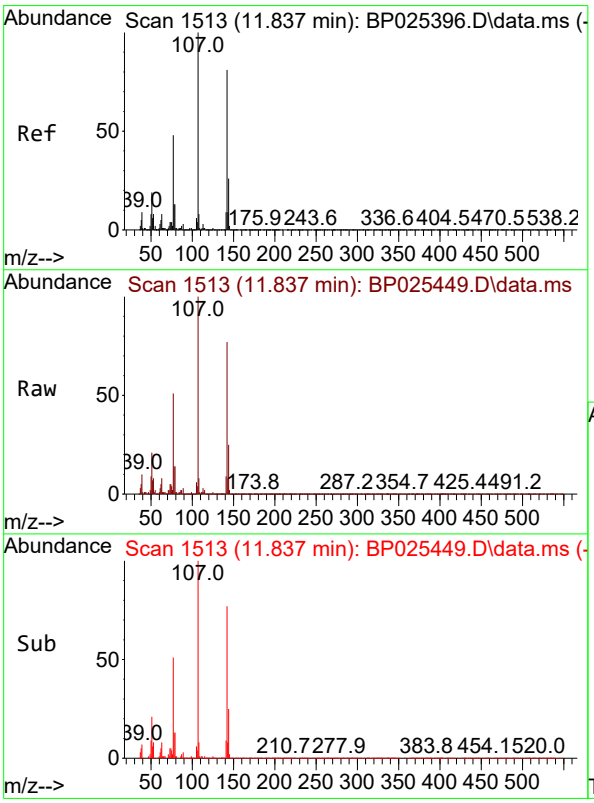


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

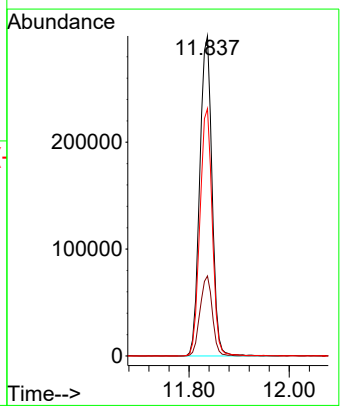
08/18/2025

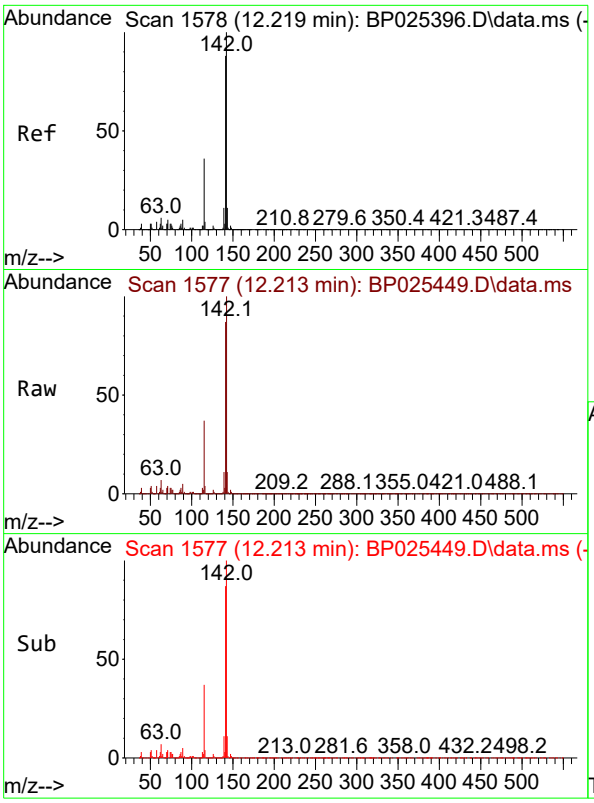


#36
4-Chloro-3-methylphenol
Concen: 42.954 ng
RT: 11.837 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:107 Resp: 508938

Ion	Ratio	Lower	Upper
107	100		
144	25.0	21.0	31.4
142	77.3	64.6	97.0

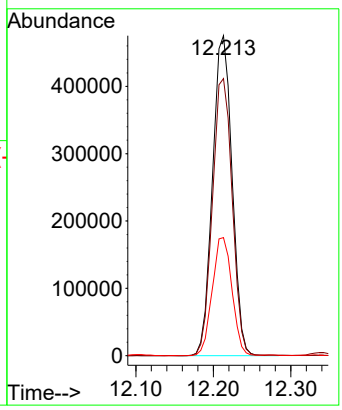




#37
2-Methylnaphthalene
Concen: 36.906 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:142 Resp: 83214

Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.3	105.5
115	36.9	28.9	43.3

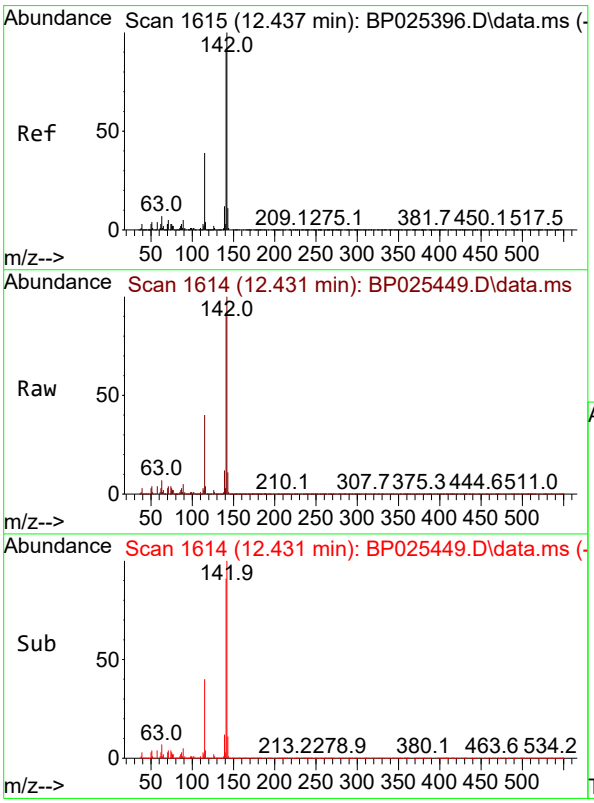


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

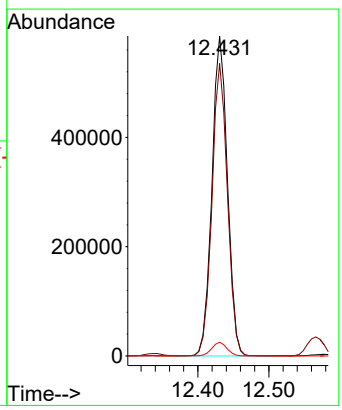
08/18/2025

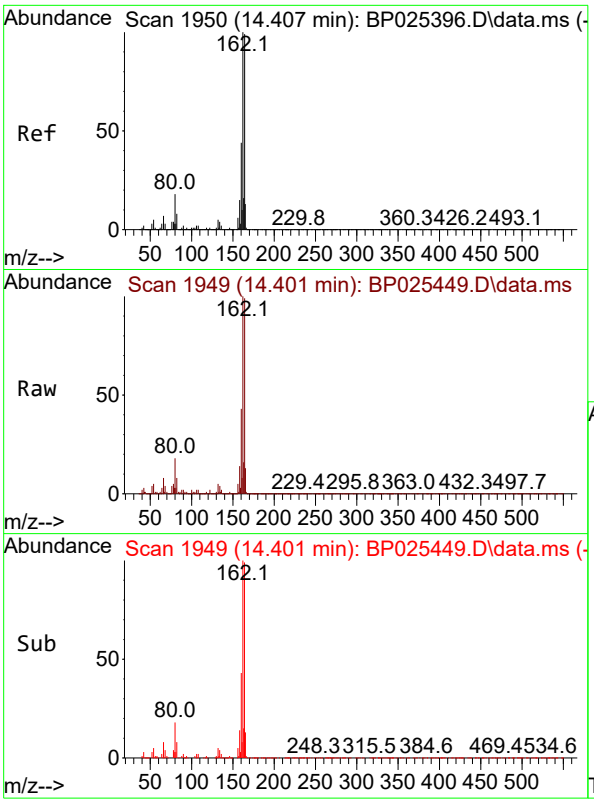


#38
1-Methylnaphthalene
Concen: 36.858 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:142 Resp: 883807

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7
116	4.3	3.2	4.8

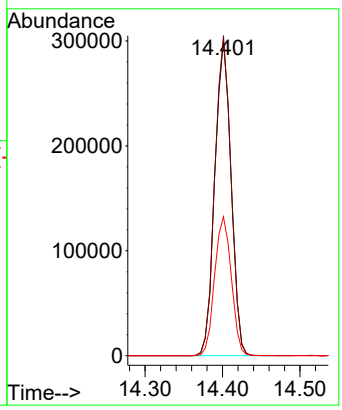




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:164 Resp: 43729

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.0	121.6
160	44.1	35.4	53.2

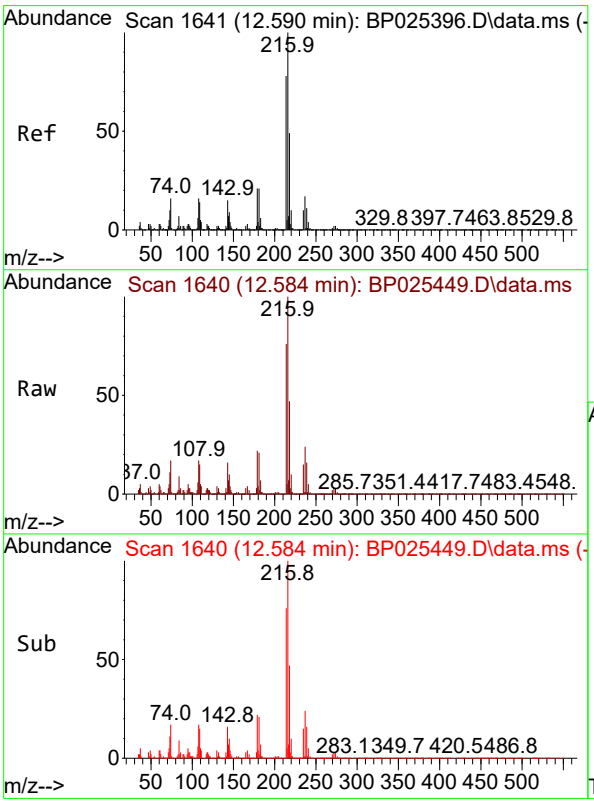


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

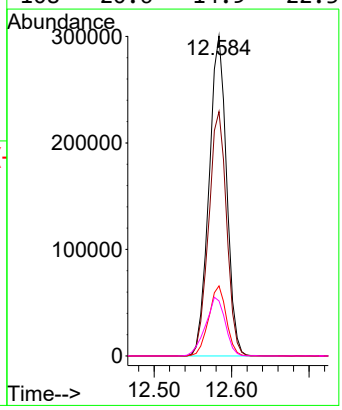
08/18/2025

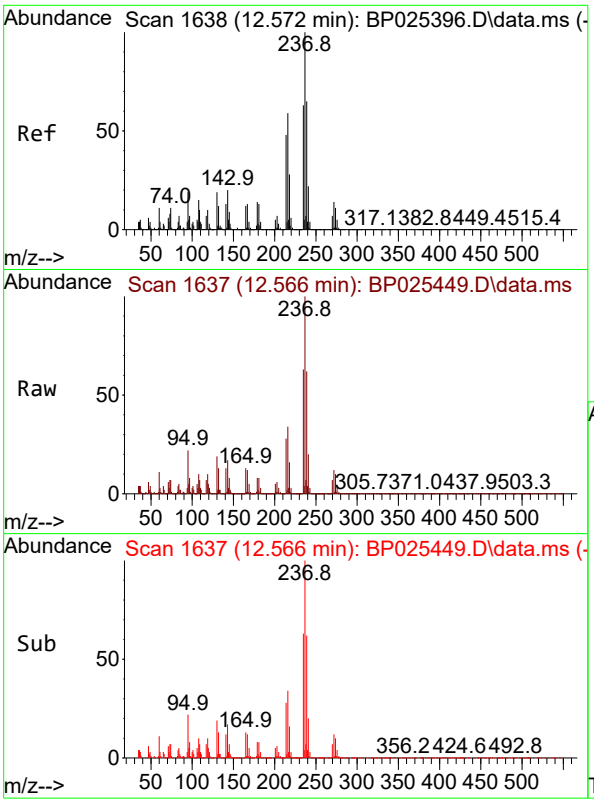


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.451 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:216 Resp: 472998

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.4
179	22.0	17.1	25.7
108	20.6	14.9	22.3

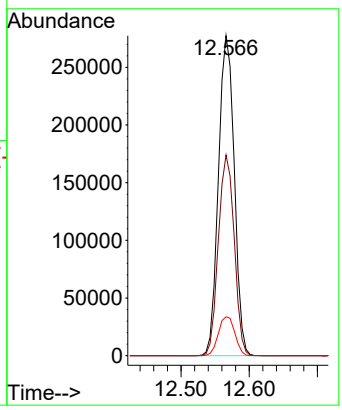




#41
Hexachlorocyclopentadiene
Concen: 58.713 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:237 Resp: 44791

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.7	82.7
272	12.1	0.0	34.0

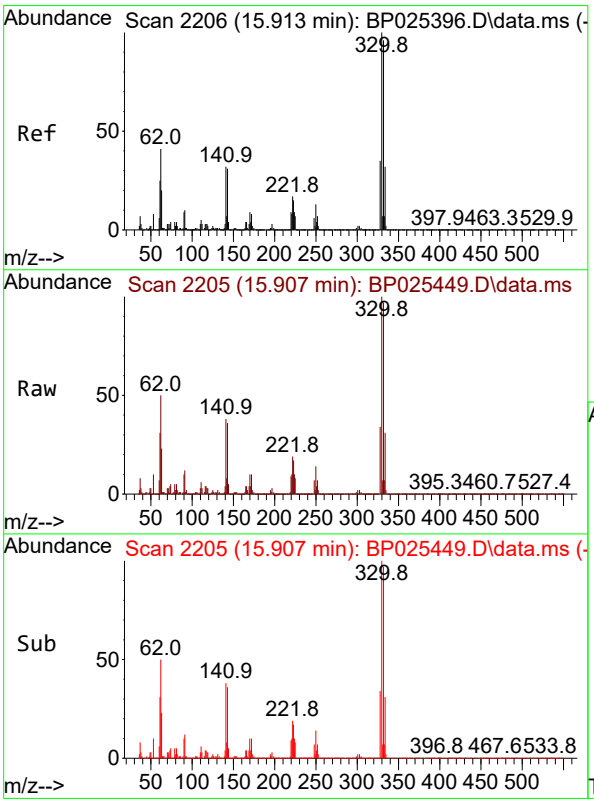


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

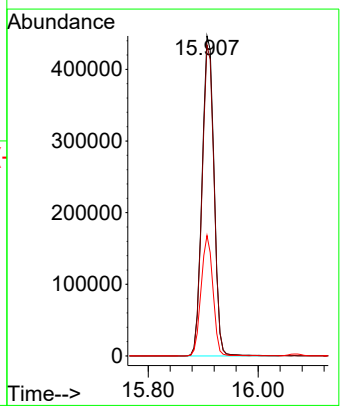
08/18/2025

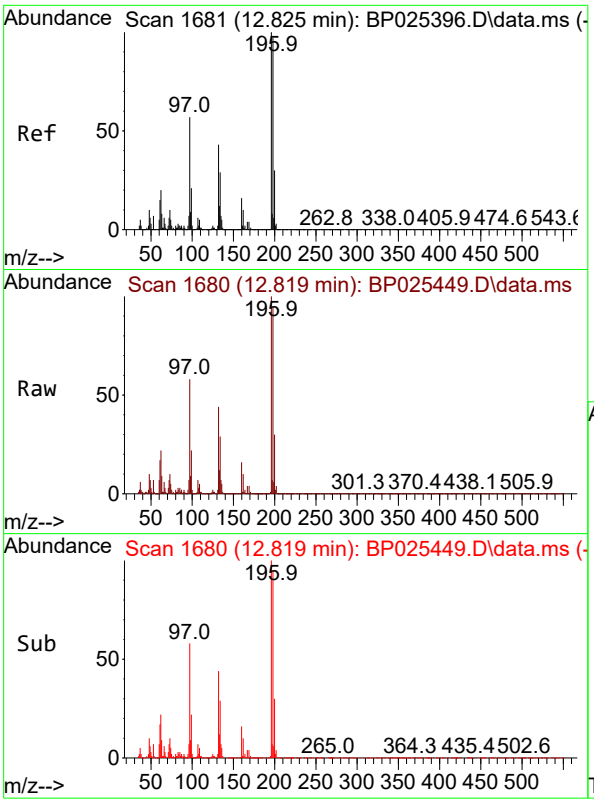


#42
2,4,6-Tribromophenol
Concen: 114.297 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:330 Resp: 672760

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	37.2	26.6	39.8

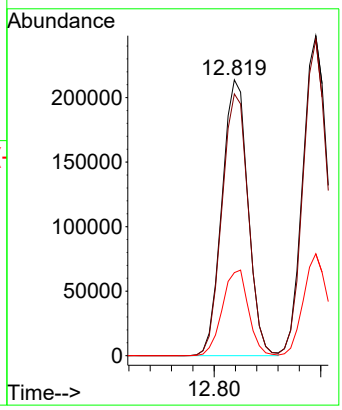




#43
2,4,6-Trichlorophenol
Concen: 42.624 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:196 Resp: 36343

Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.2	115.8
200	30.1	23.9	35.9

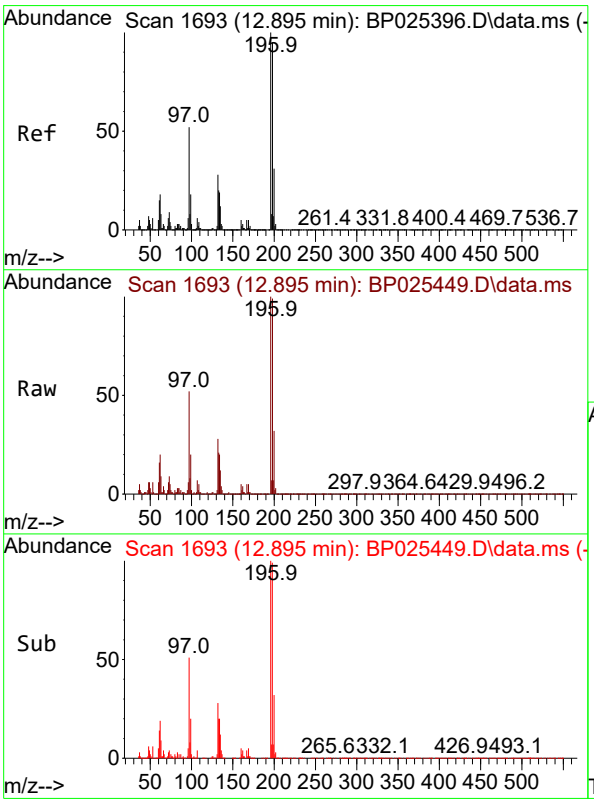


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

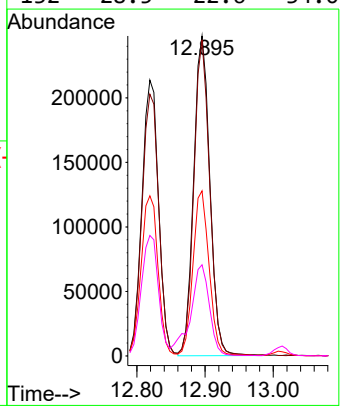
08/18/2025

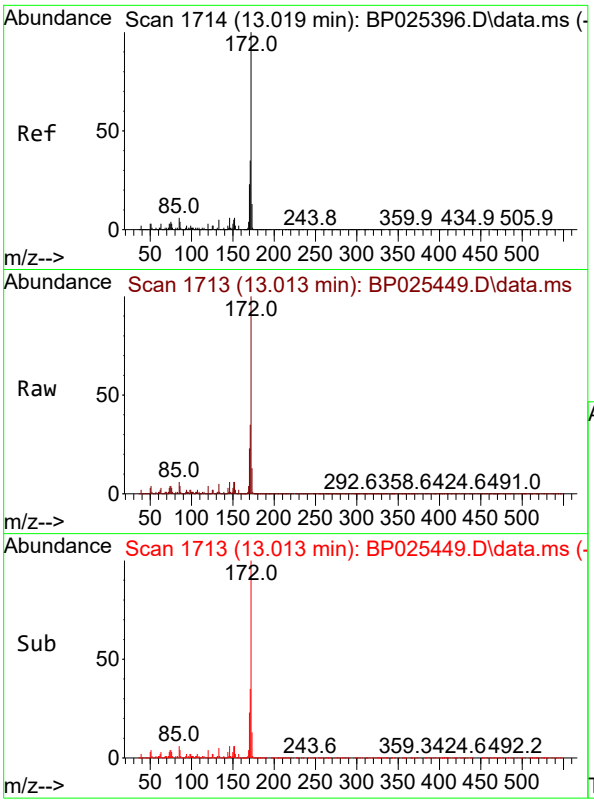


#44
2,4,5-Trichlorophenol
Concen: 43.775 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:196 Resp: 409062

Ion	Ratio	Lower	Upper
196	100		
198	98.8	76.2	114.2
97	51.6	41.2	61.8
132	28.5	22.6	34.0

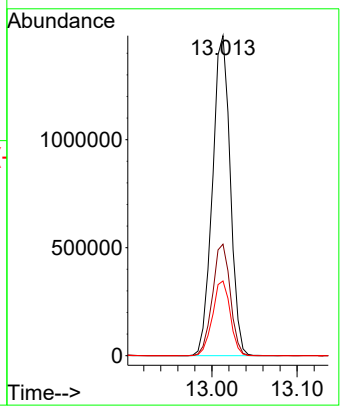




#45
2-Fluorobiphenyl
Concen: 67.162 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:172 Resp: 214900

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	23.3	18.6	28.0



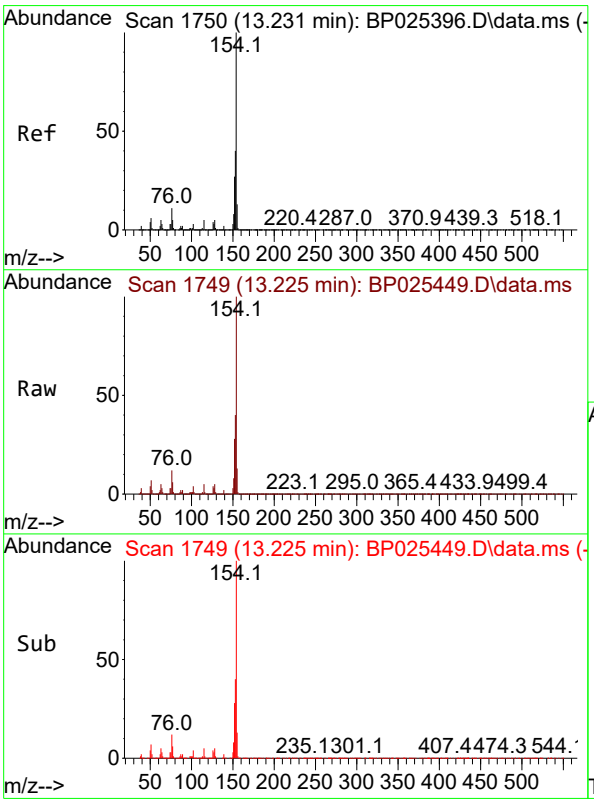
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

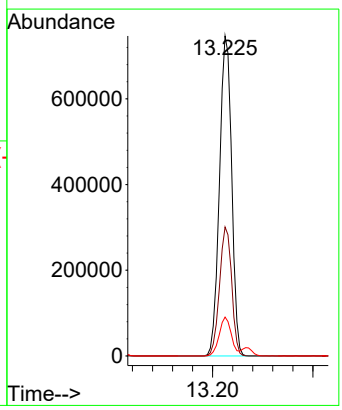
08/18/2025

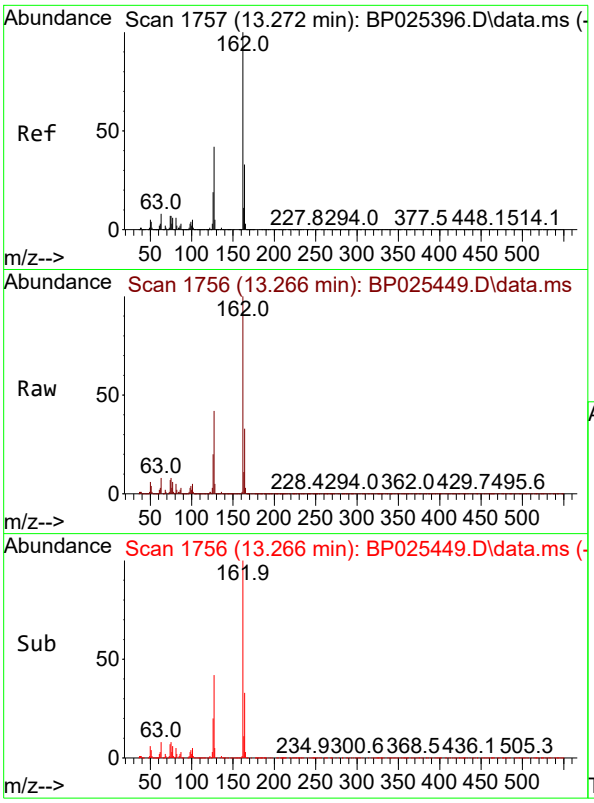


#46
1,1'-Biphenyl
Concen: 39.753 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:154 Resp: 1262533

Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.5	59.5
76	12.2	0.0	31.1

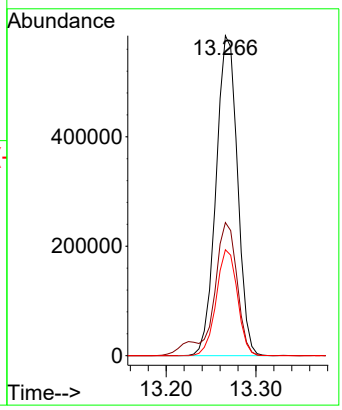




#47
2-Chloronaphthalene
Concen: 39.174 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:162 Resp: 96853

Ion	Ratio	Lower	Upper
162	100		
127	41.6	33.4	50.2
164	33.1	26.2	39.2

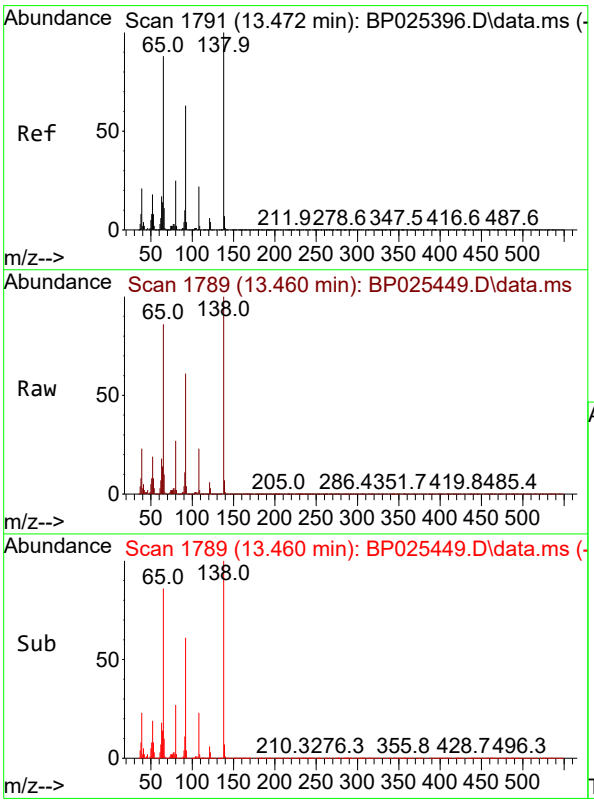


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

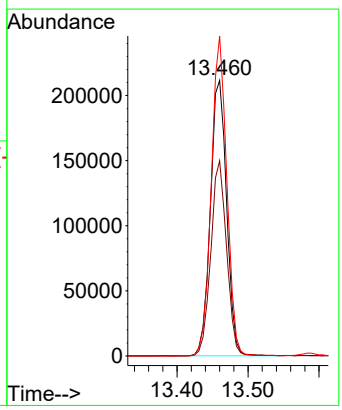
08/18/2025

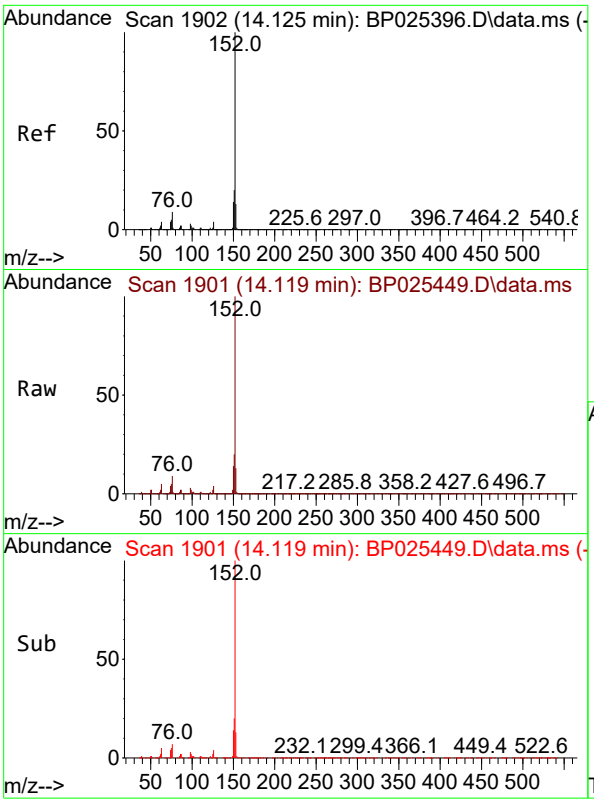


#48
2-Nitroaniline
Concen: 46.454 ng
RT: 13.460 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 65 Resp: 334660

Ion	Ratio	Lower	Upper
65	100		
92	70.8	57.6	86.4
138	116.1	91.0	136.6

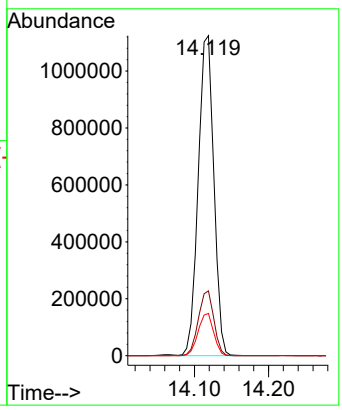




#49
Acenaphthylene
Concen: 40.190 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:152 Resp: 164421

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.2	10.6	15.8



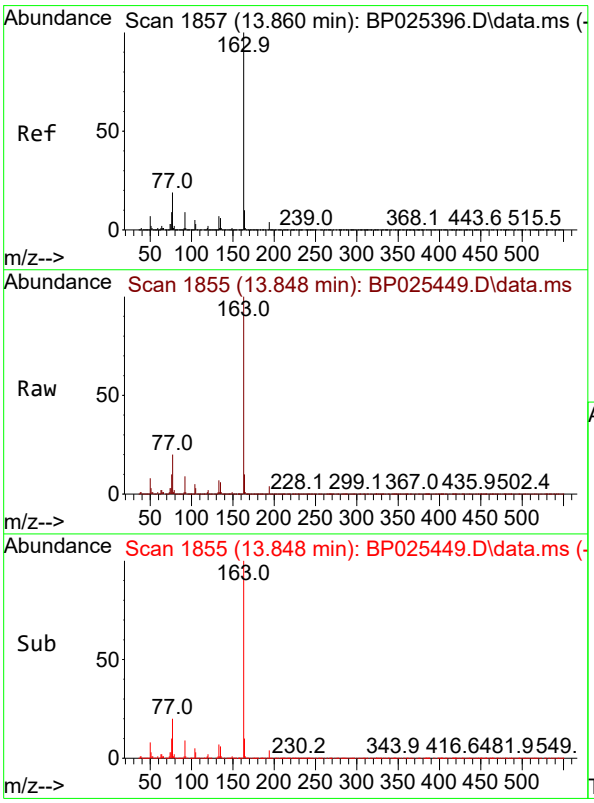
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

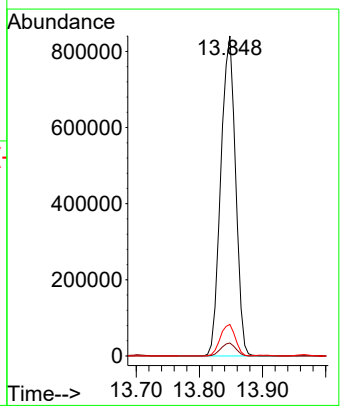
08/18/2025

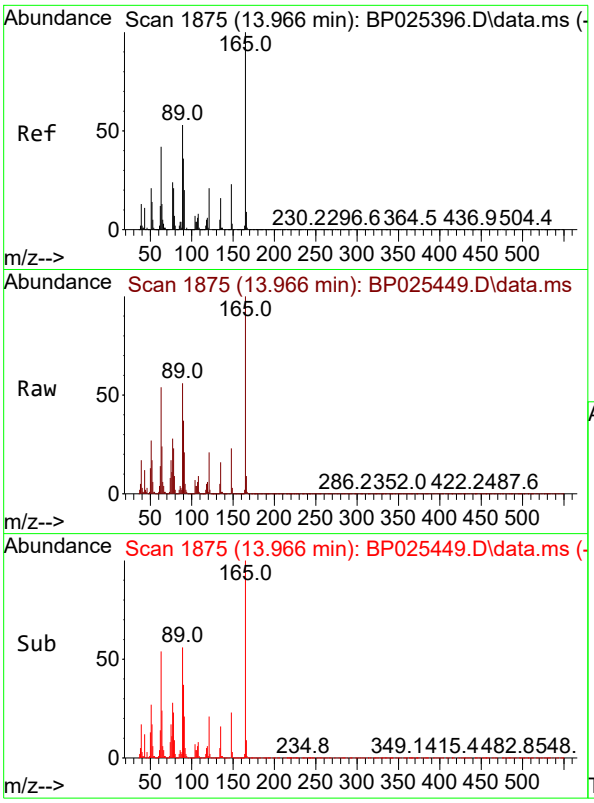


#50
Dimethylphthalate
Concen: 42.558 ng
RT: 13.848 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:163 Resp: 1362837

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.8	7.9	11.9

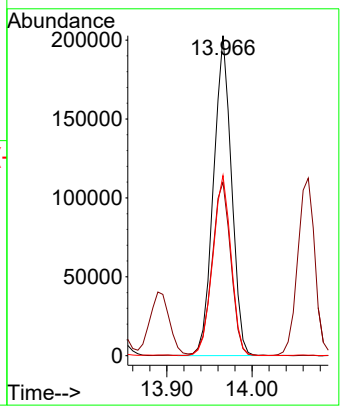




#51
2,6-Dinitrotoluene
Concen: 43.987 ng
RT: 13.966 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:165 Resp: 29689

Ion	Ratio	Lower	Upper
165	100		
63	54.2	40.9	61.3
89	56.3	42.1	63.1

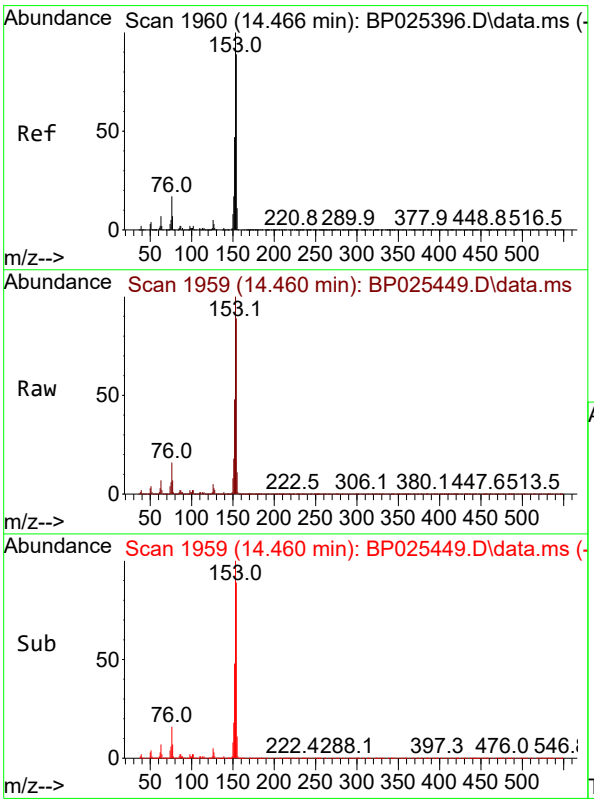


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

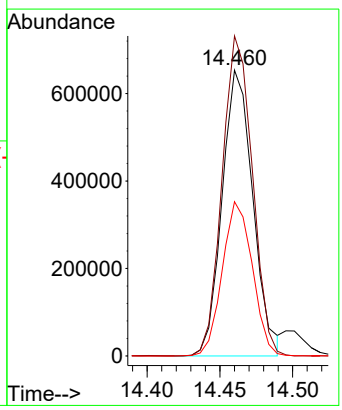
08/18/2025

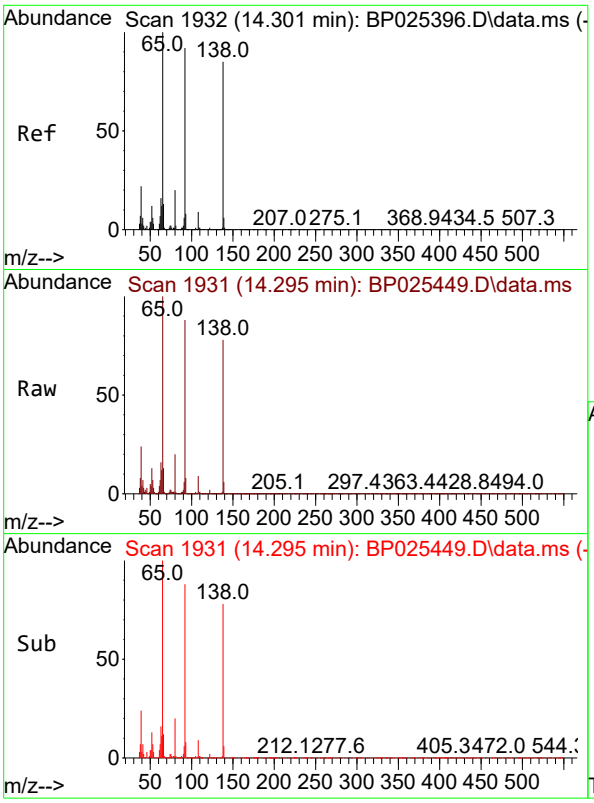


#52
Acenaphthene
Concen: 40.058 ng m
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:154 Resp: 961954

Ion	Ratio	Lower	Upper
154	100		
153	112.0	90.2	135.2
152	54.0	42.1	63.1

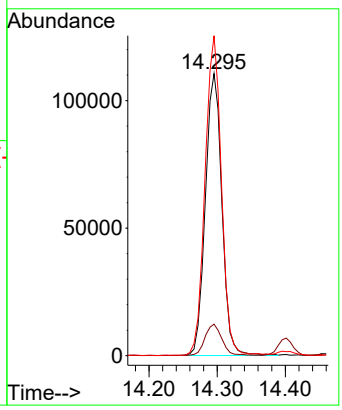




#53
3-Nitroaniline
Concen: 24.630 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:138 Resp: 18703

Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.3	12.5
92	113.4	86.2	129.2

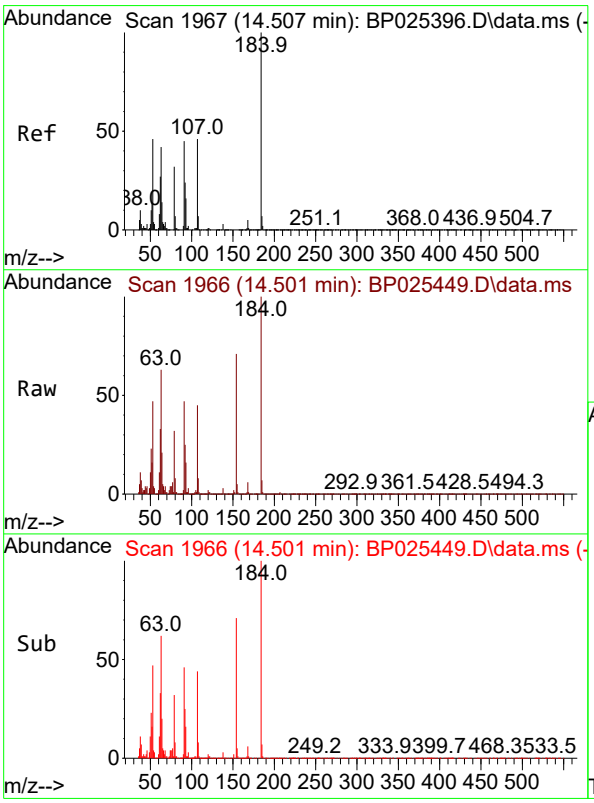


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

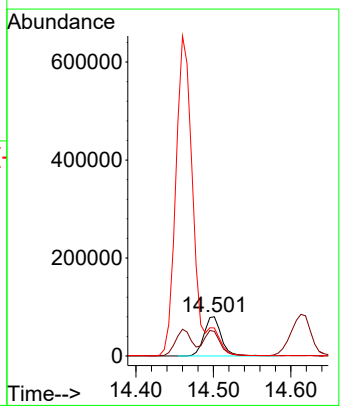
08/18/2025

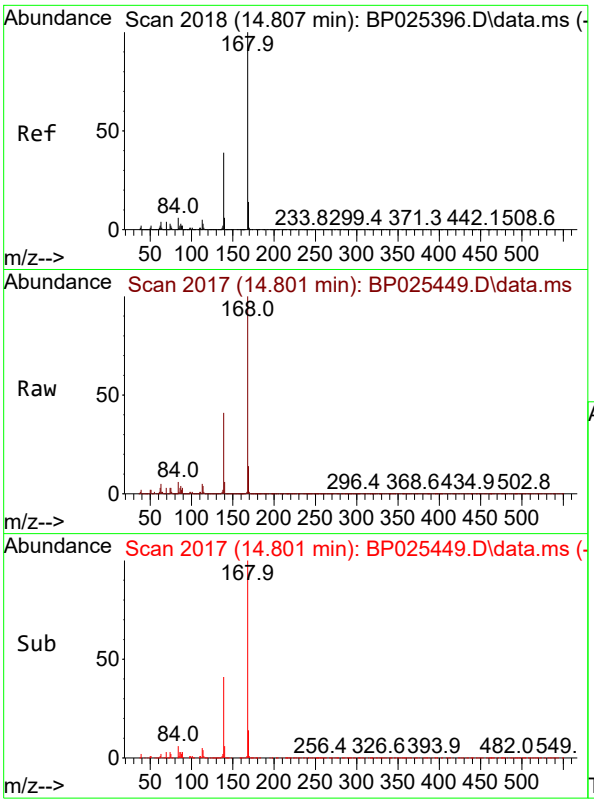


#54
2,4-Dinitrophenol
Concen: 34.427 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:184 Resp: 124090

Ion	Ratio	Lower	Upper
184	100		
63	62.7	49.4	74.2
154	71.2	54.6	82.0

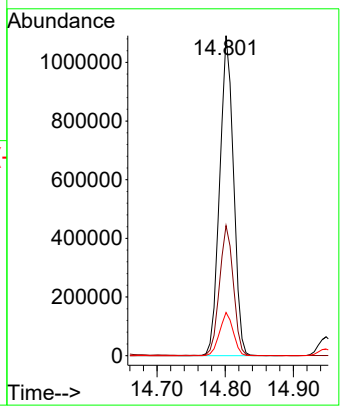




#55
Dibenzofuran
Concen: 40.588 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:168 Resp: 154099

Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.5	47.3
169	13.5	10.9	16.3

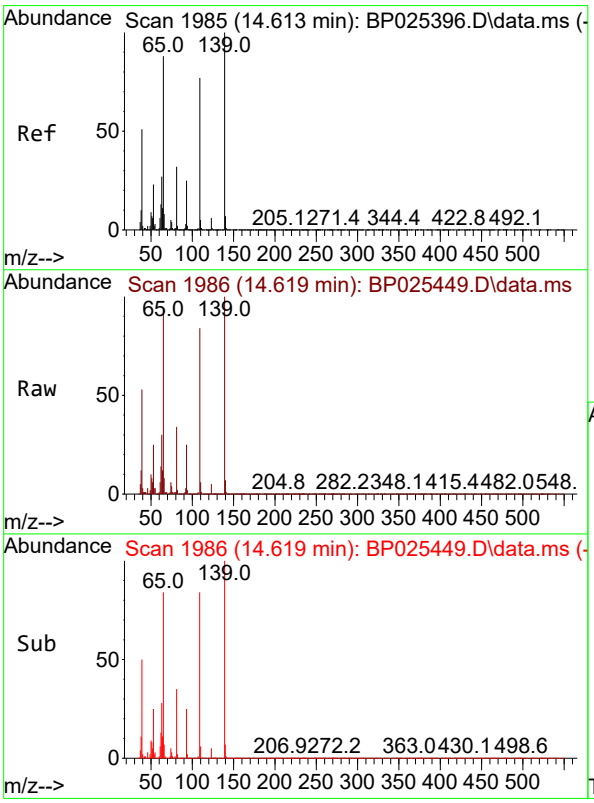


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

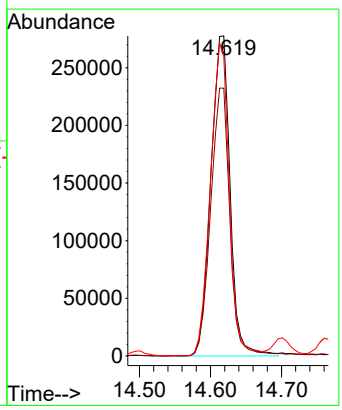
08/18/2025

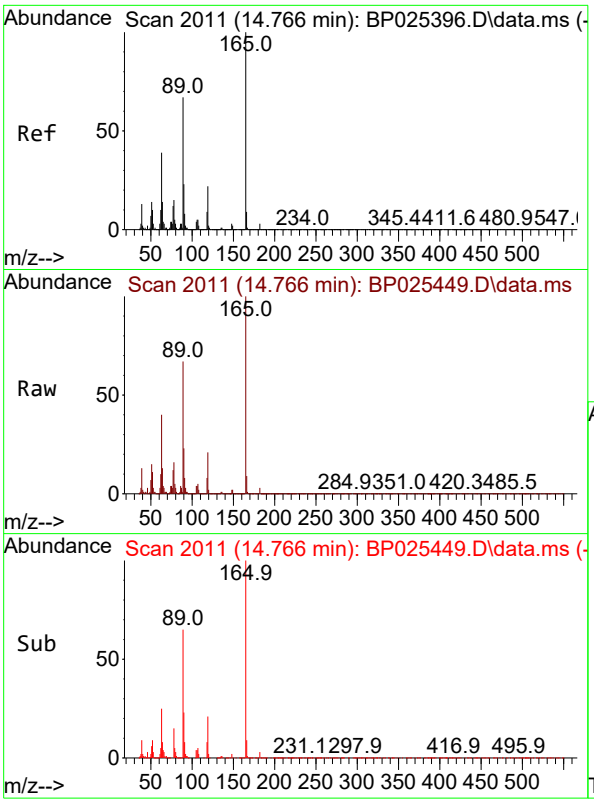


#56
4-Nitrophenol
Concen: 83.470 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:139 Resp: 520865

Ion	Ratio	Lower	Upper
139	100		
109	83.7	56.6	96.6
65	93.5	68.2	108.2

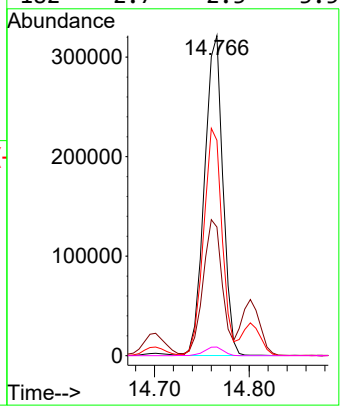




#57
2,4-Dinitrotoluene
Concen: 45.022 ng
RT: 14.766 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:165 Resp: 43355

Ion	Ratio	Lower	Upper
165	100		
63	40.2	31.4	47.2
89	67.3	53.3	79.9
182	2.7	2.3	3.5



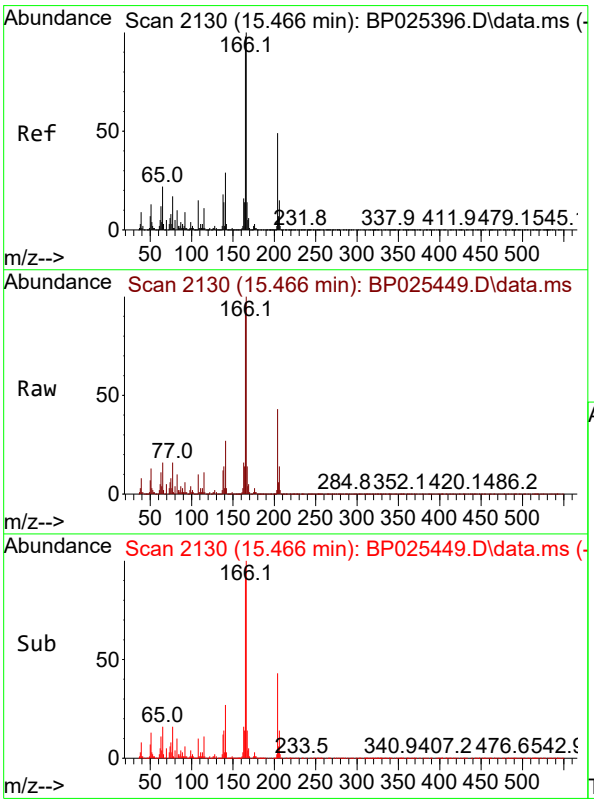
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Sub Reviewed By :Jagrut Upadhyay 08/18/2025

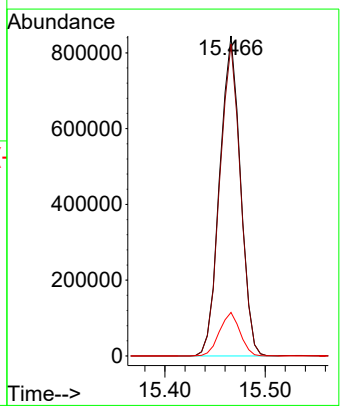
08/18/2025

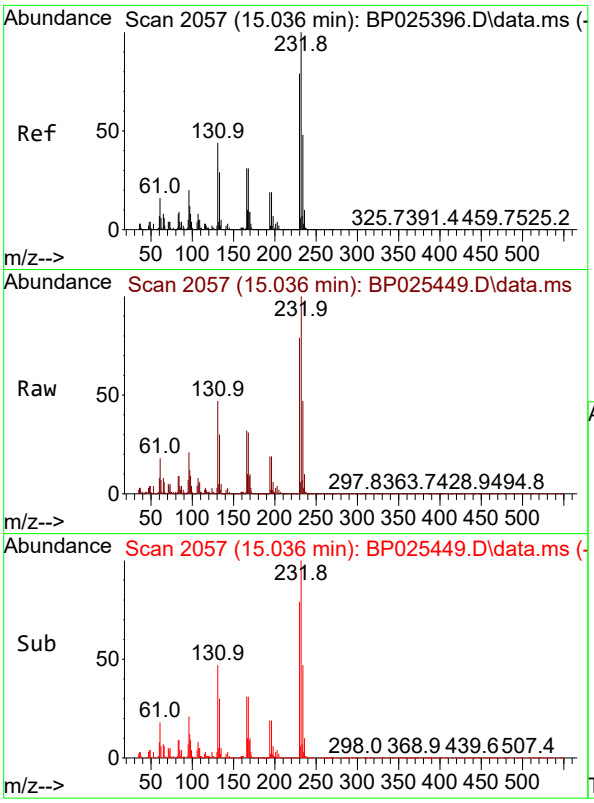


#58
Fluorene
Concen: 40.337 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:166 Resp: 1208443

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.8	118.2
167	13.6	11.0	16.4

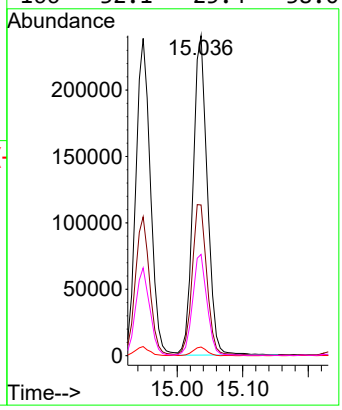




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.033 ng
RT: 15.036 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:232 Resp: 36332

Ion	Ratio	Lower	Upper
232	100		
131	48.7	37.0	55.6
130	2.6	1.9	2.9
166	32.1	25.4	38.0

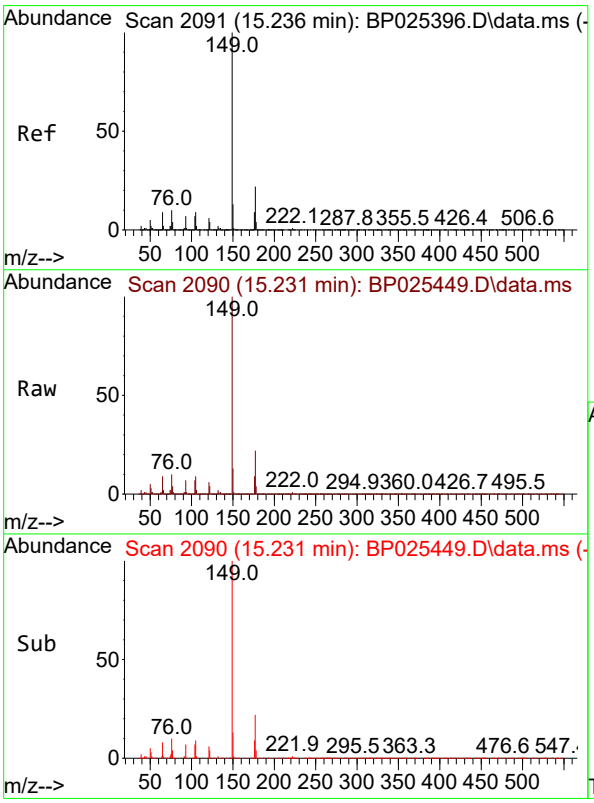


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

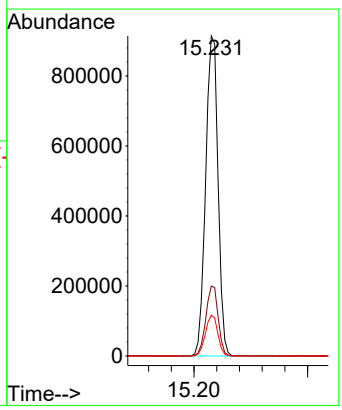
08/18/2025

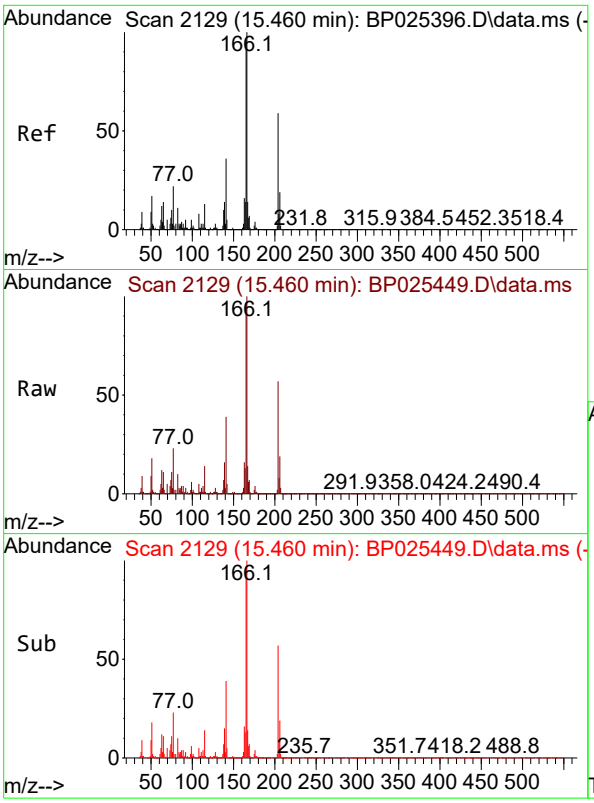


#60
Diethylphthalate
Concen: 42.250 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:149 Resp: 1374758

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.3	25.9
150	12.8	10.3	15.5

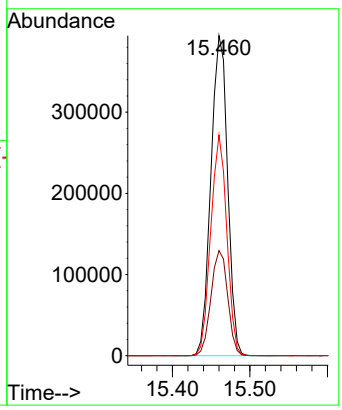




#61
4-Chlorophenyl-phenylether
Concen: 39.528 ng
RT: 15.460 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:204 Resp: 58895

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.8
141	68.9	49.4	74.2

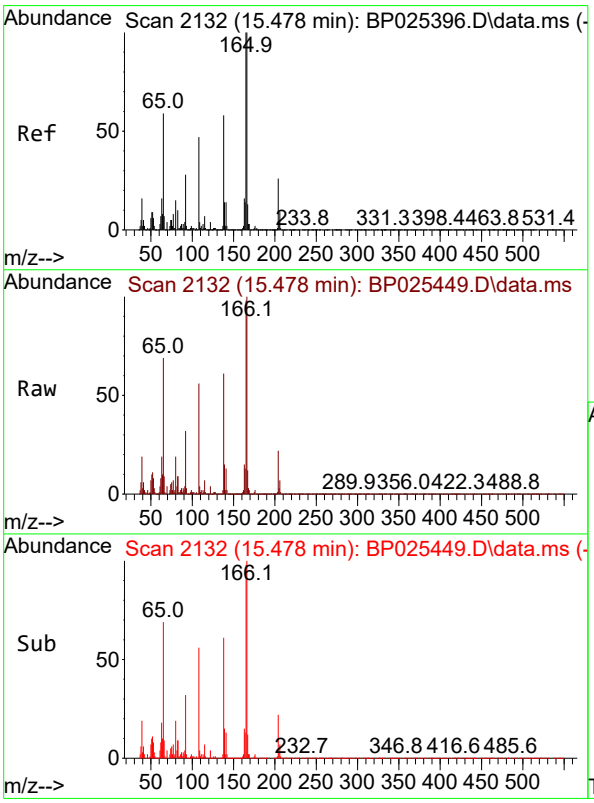


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

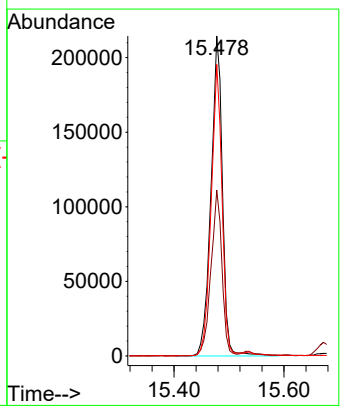
08/18/2025

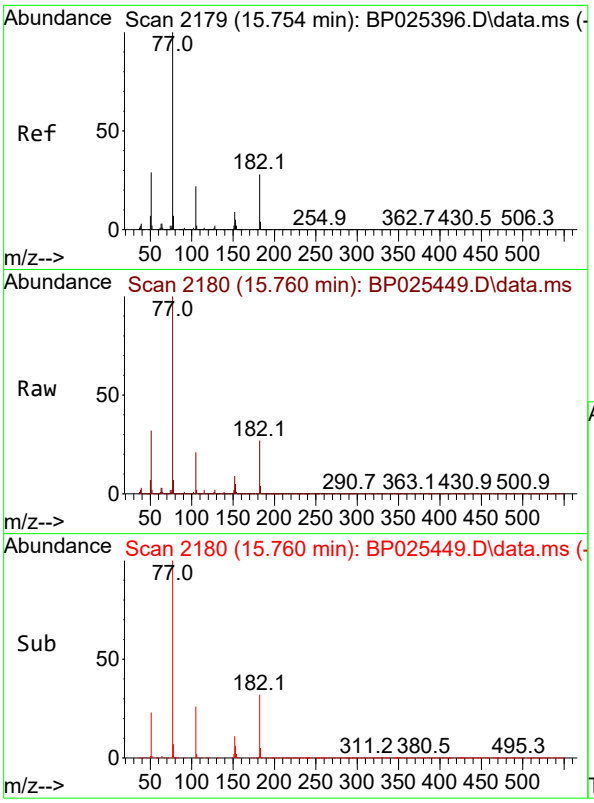


#62
4-Nitroaniline
Concen: 39.944 ng
RT: 15.478 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:138 Resp: 310960

Ion	Ratio	Lower	Upper
138	100		
92	51.8	29.1	69.1
108	91.1	61.5	101.5

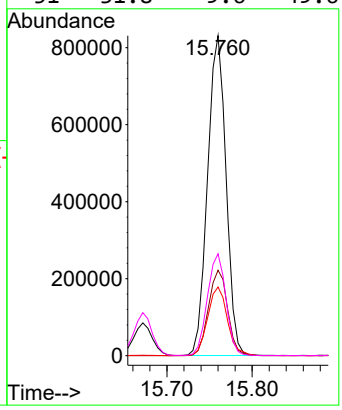




#63
Azobenzene
Concen: 44.926 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion: 77 Resp: 125171

Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.5	47.5
105	21.5	2.1	42.1
51	31.8	9.6	49.6



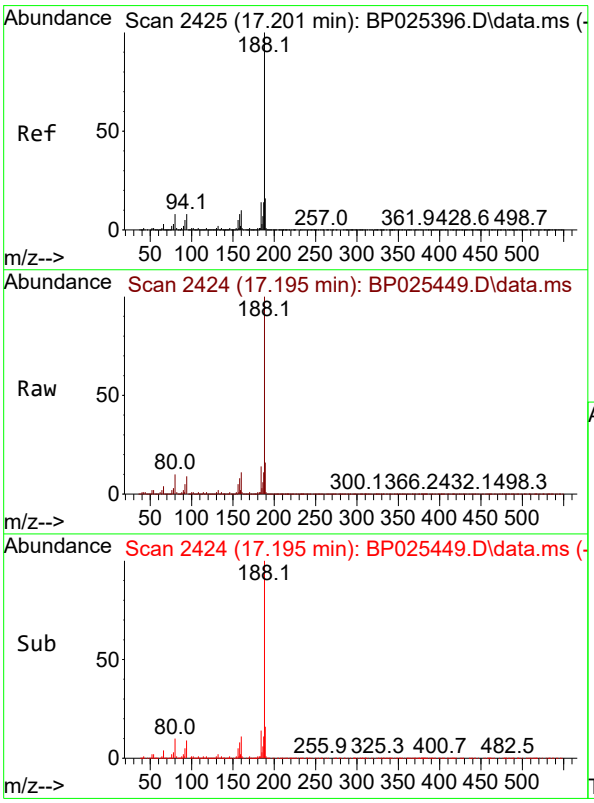
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

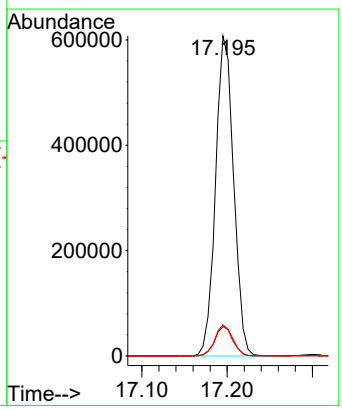
08/18/2025

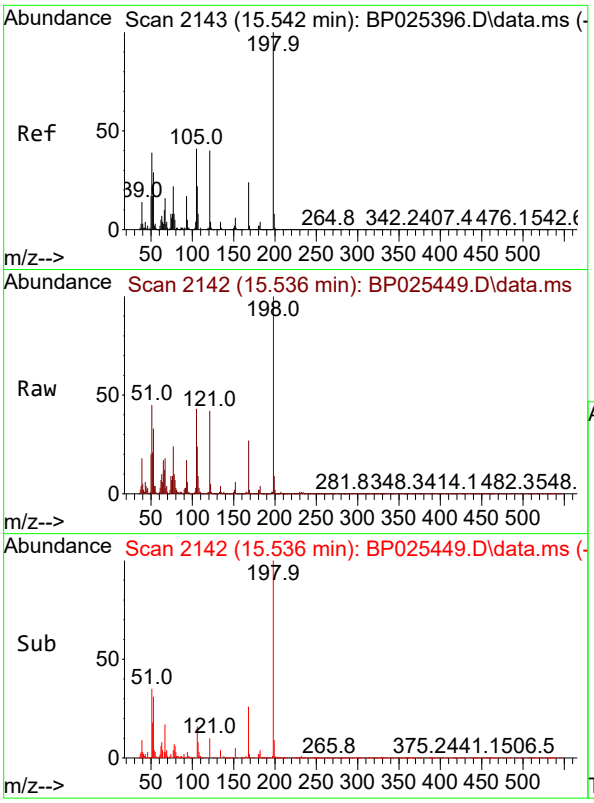


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:188 Resp: 894593

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.8	6.7	10.1

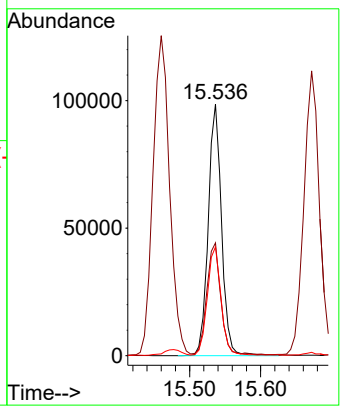




#65
4,6-Dinitro-2-methylphenol
Concen: 23.067 ng
RT: 15.536 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:198 Resp: 12863

Ion	Ratio	Lower	Upper
198	100		
51	44.8	19.6	59.6
105	43.2	20.9	60.9

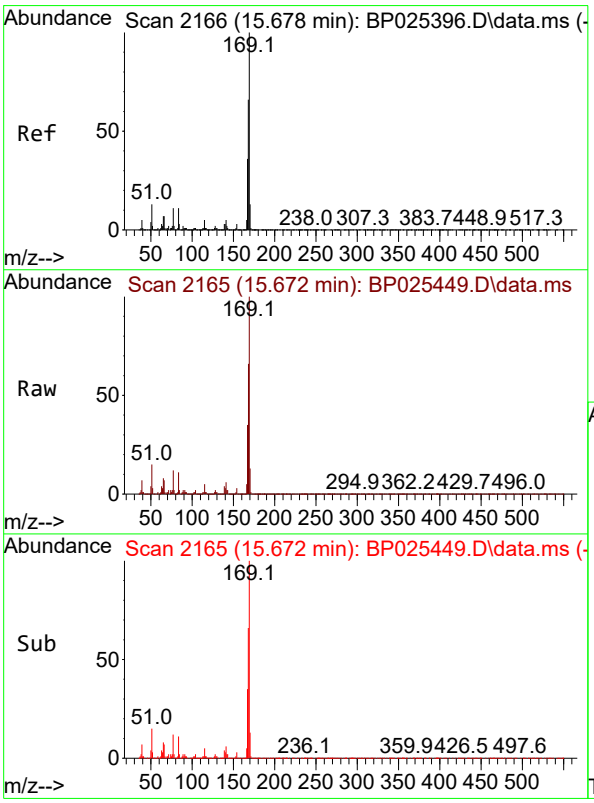


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

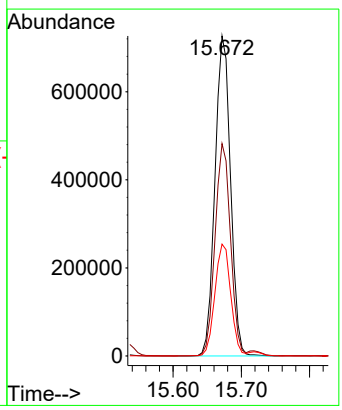
08/18/2025

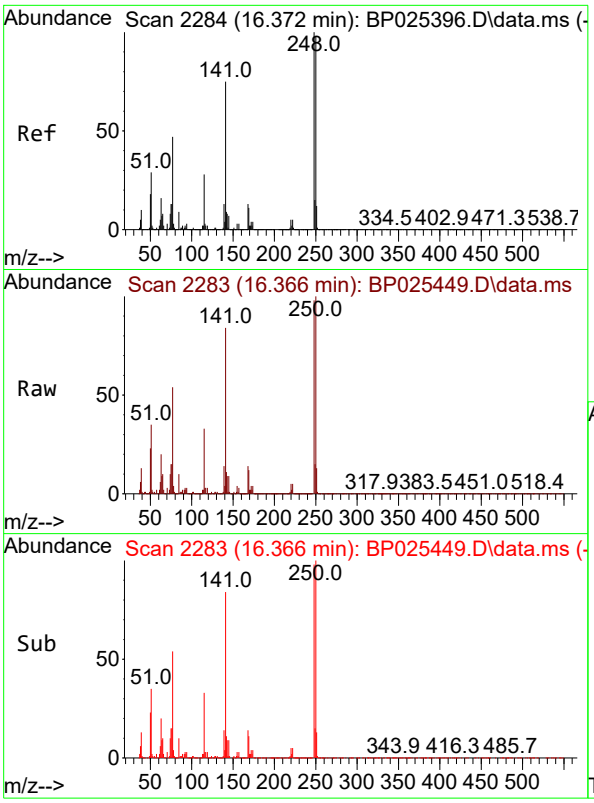


#66
n-Nitrosodiphenylamine
Concen: 42.228 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:169 Resp: 1151971

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.2	79.8
167	35.0	28.7	43.1

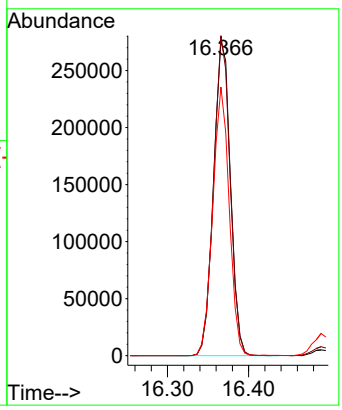




#67
4-Bromophenyl-phenylether
Concen: 40.674 ng
RT: 16.366 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:248 Resp: 40018

Ion	Ratio	Lower	Upper
248	100		
250	101.5	78.2	117.2
141	85.2	59.6	89.4

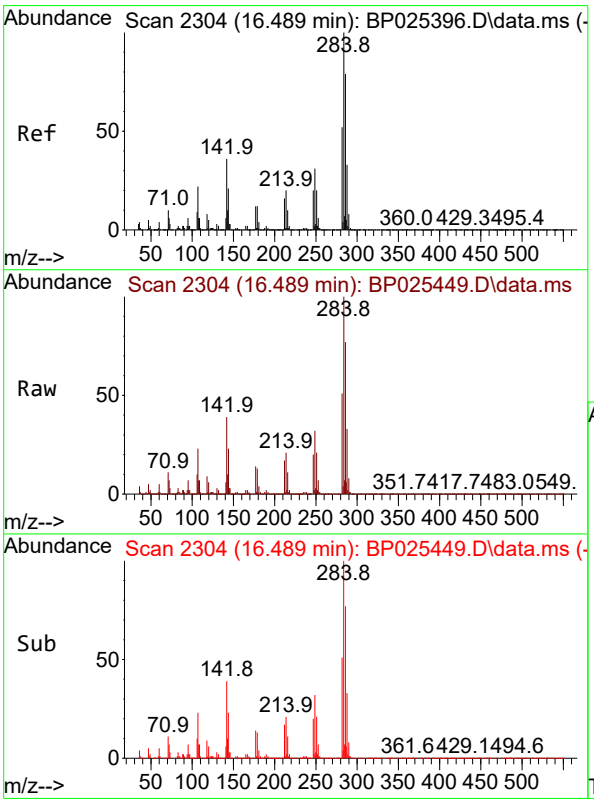


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

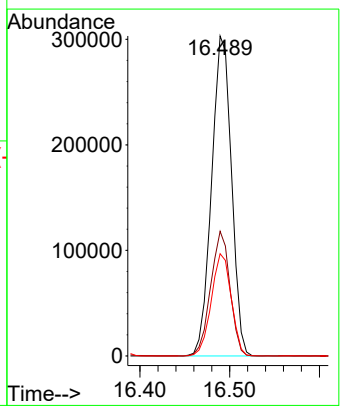
08/18/2025

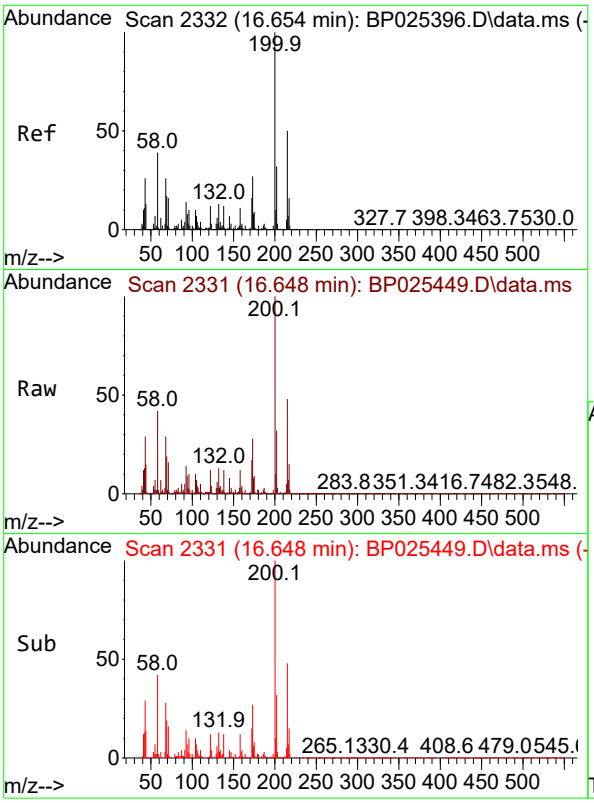


#68
Hexachlorobenzene
Concen: 40.877 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:284 Resp: 466210

Ion	Ratio	Lower	Upper
284	100		
142	38.9	29.1	43.7
249	31.9	25.0	37.4

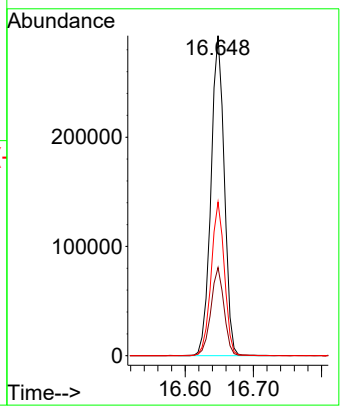




#69
Atrazine
Concen: 39.101 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:200 Resp: 39947

Ion	Ratio	Lower	Upper
200	100		
173	27.6	6.7	46.7
215	48.0	29.7	69.7

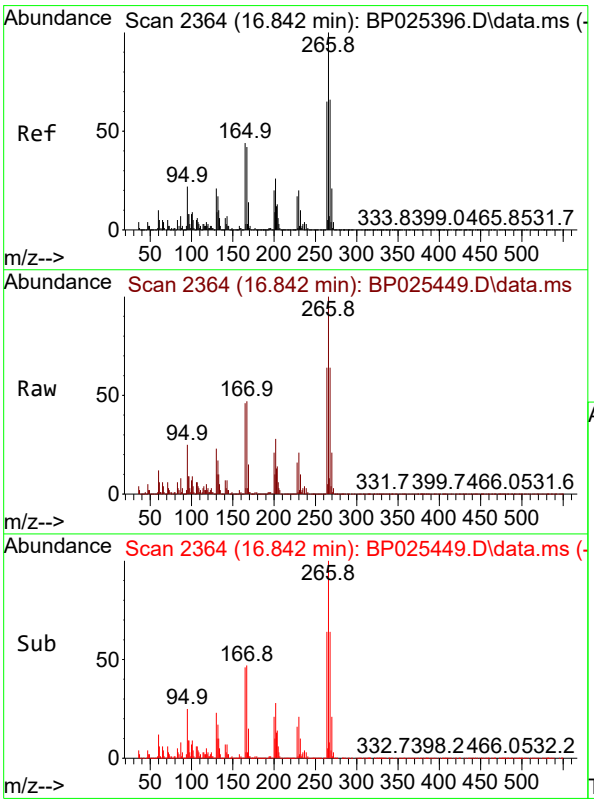


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

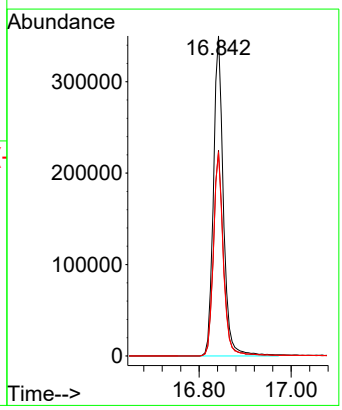
08/18/2025

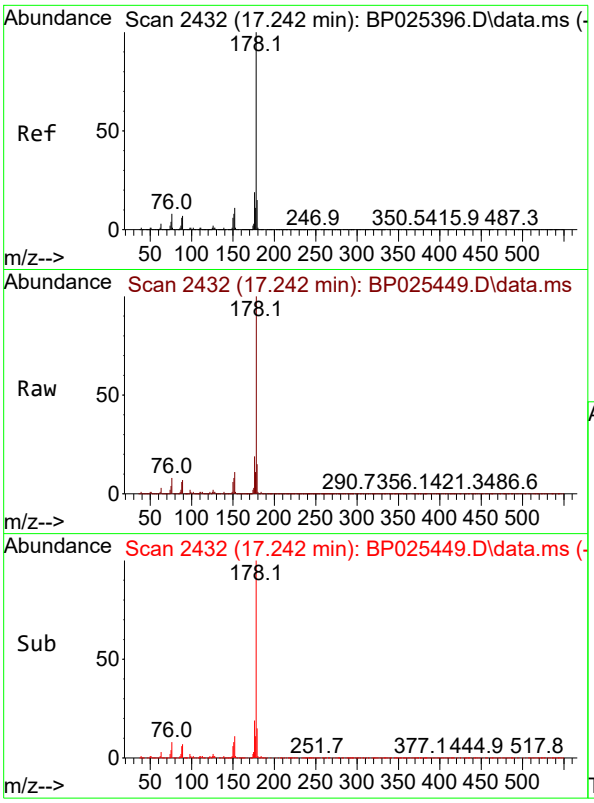


#70
Pentachlorophenol
Concen: 72.634 ng
RT: 16.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:266 Resp: 522934

Ion	Ratio	Lower	Upper
266	100		
268	64.3	52.6	79.0
264	63.6	52.0	78.0

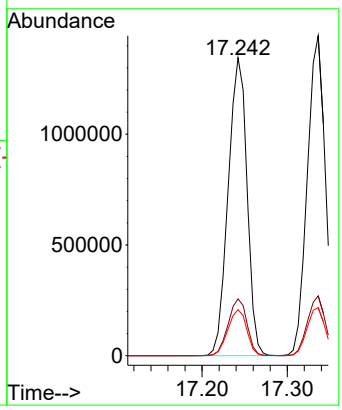




#71
Phenanthrene
Concen: 42.048 ng
RT: 17.242 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:178 Resp: 206633

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.5	12.2	18.4

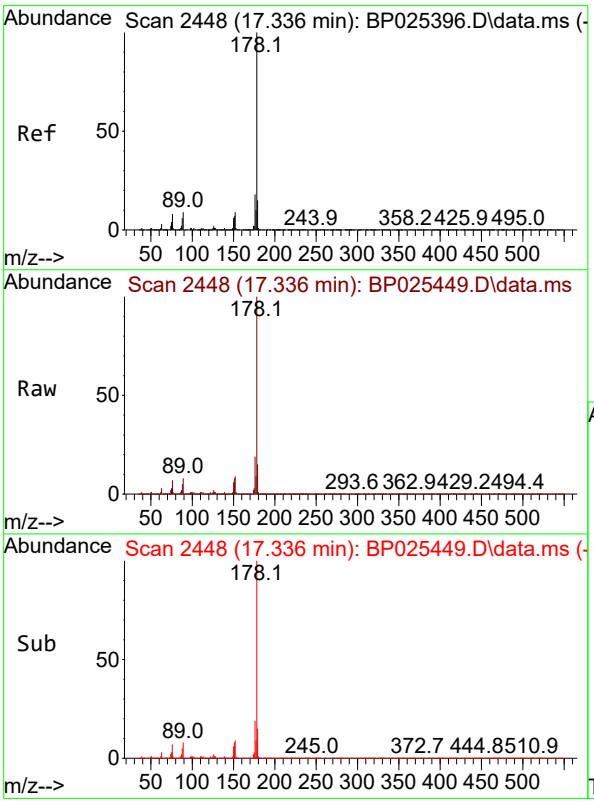


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

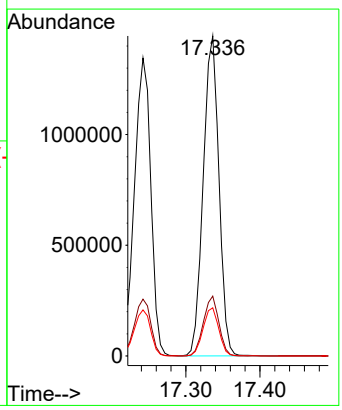
08/18/2025

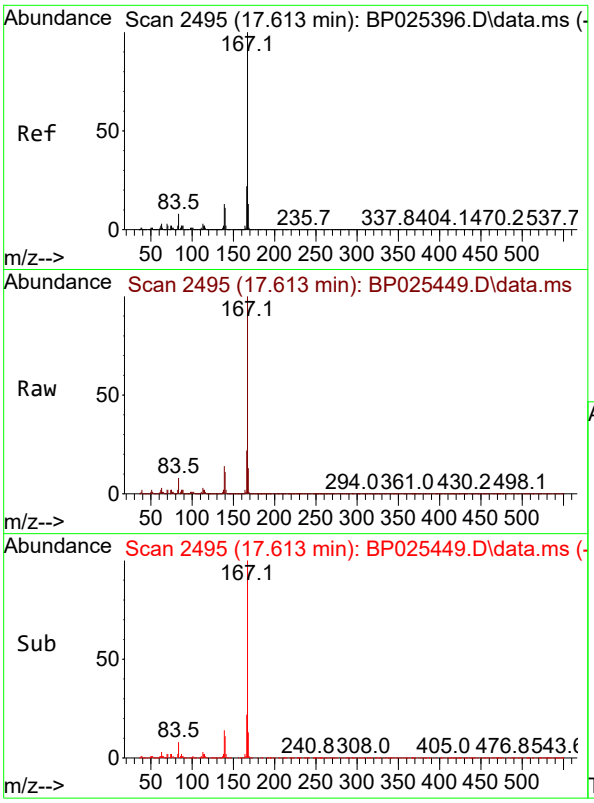


#72
Anthracene
Concen: 42.426 ng
RT: 17.336 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:178 Resp: 2129148

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.0	12.2	18.2

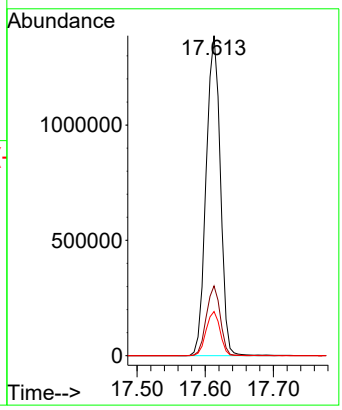




#73
Carbazole
Concen: 42.545 ng
RT: 17.613 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:167 Resp: 201109

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.8	10.6	16.0



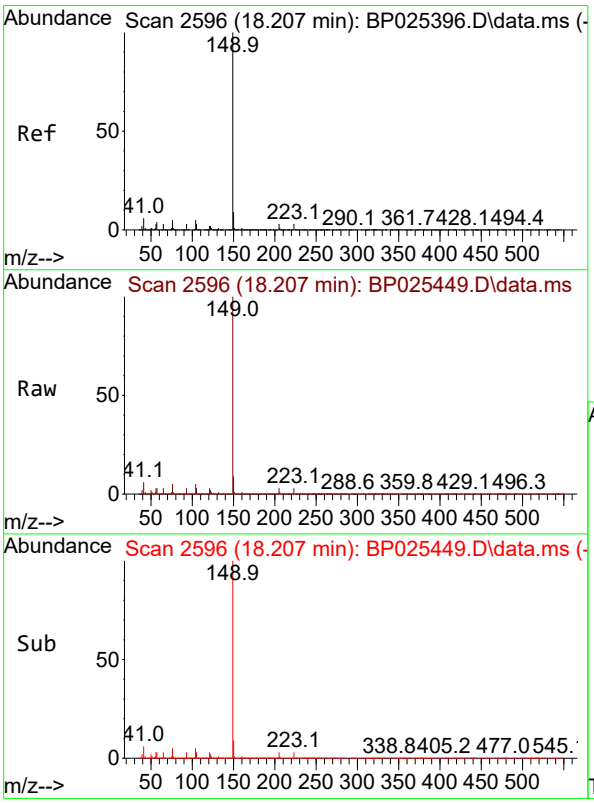
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Sub Reviewed By :Jagrut Upadhyay 08/18/2025

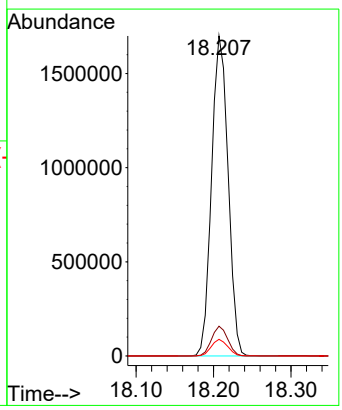
08/18/2025

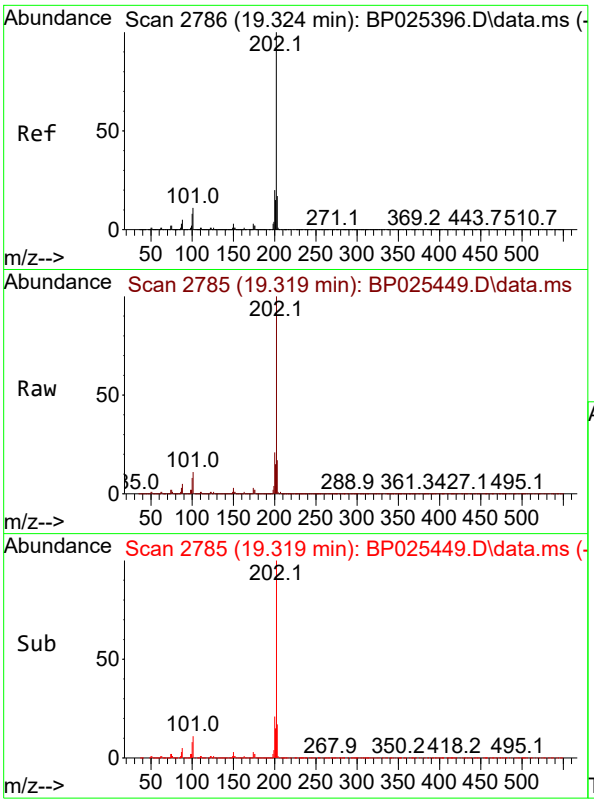


#74
Di-n-butylphthalate
Concen: 43.195 ng
RT: 18.207 min Scan# 2596
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:149 Resp: 2512101

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	4.2	6.2

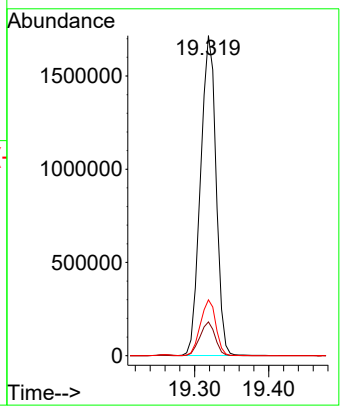




#75
Fluoranthene
Concen: 42.668 ng
RT: 19.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:202 Resp: 250116

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.1
203	17.4	0.0	37.3



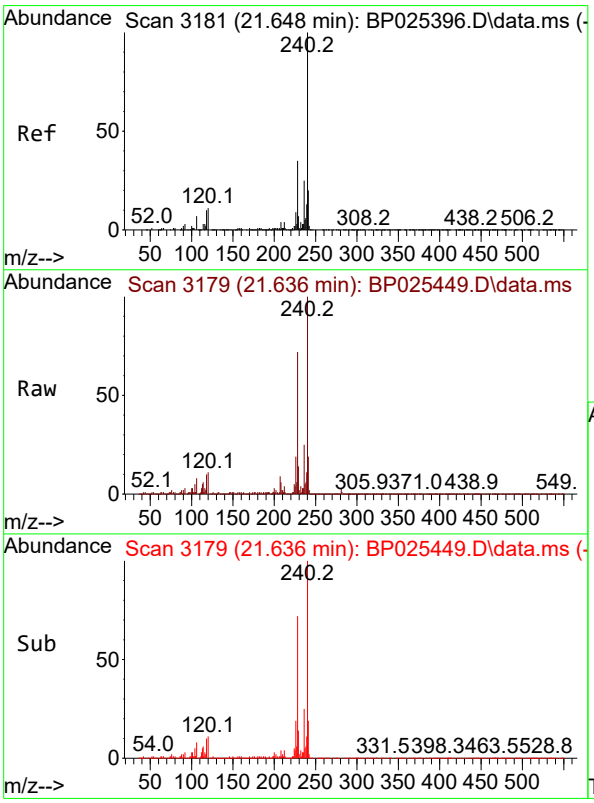
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

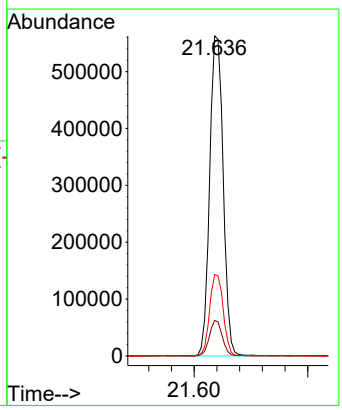
08/18/2025

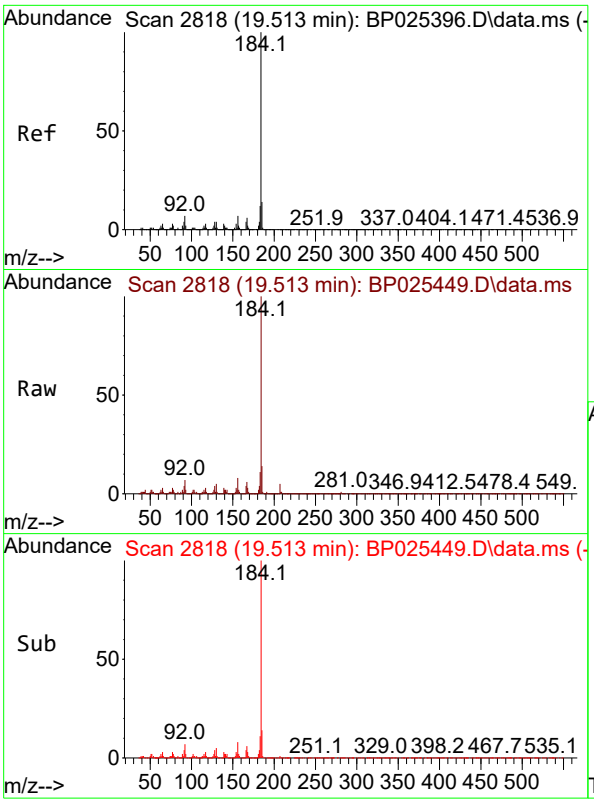


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:240 Resp: 925169

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	25.4	19.8	29.8

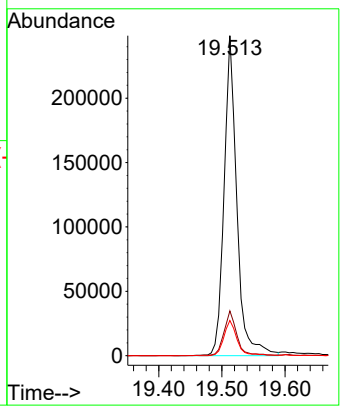




#77
Benzidine
Concen: 11.015 ng
RT: 19.513 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:184 Resp: 34778

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.0	9.4	14.2



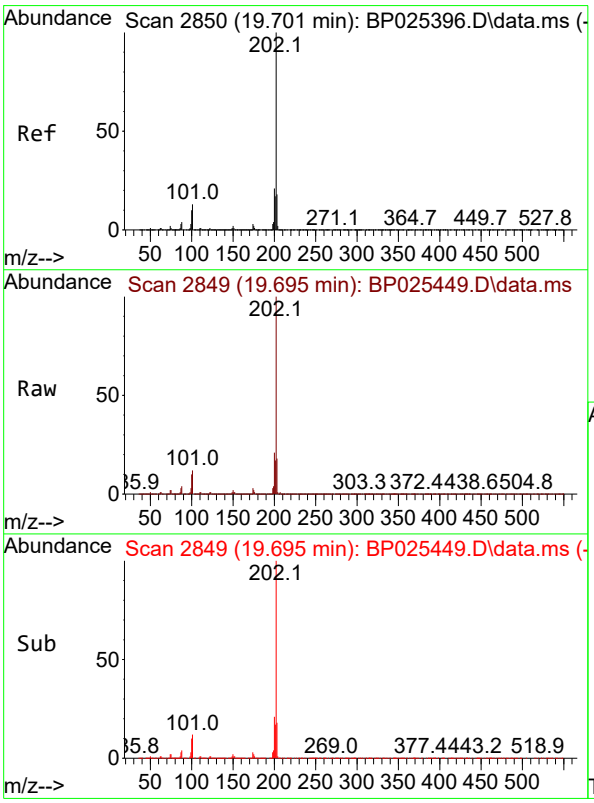
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Sub Reviewed By :Jagrut Upadhyay 08/18/2025

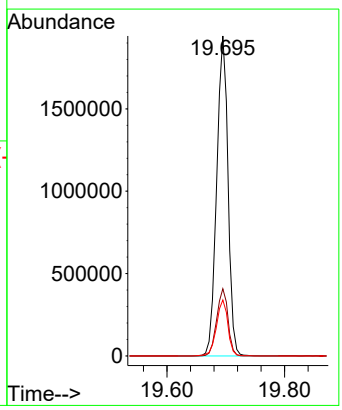
08/18/2025

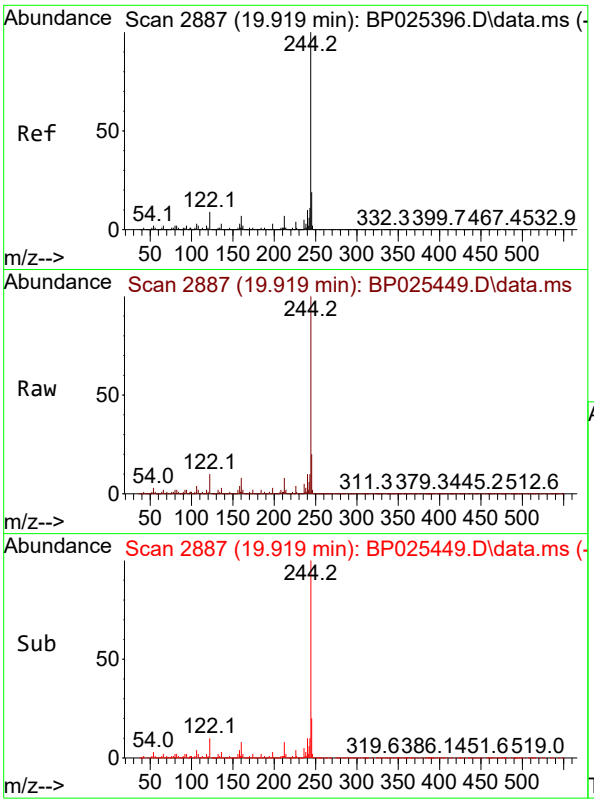


#78
Pyrene
Concen: 43.123 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:202 Resp: 2593116

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.5	14.2	21.2

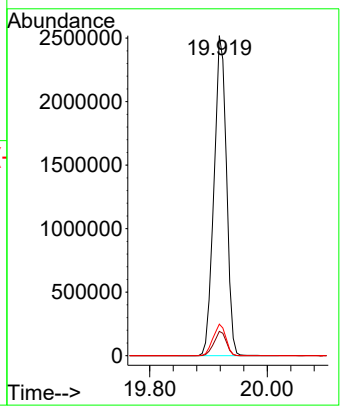




#79
Terphenyl-d14
Concen: 73.160 ng
RT: 19.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:244 Resp: 369953

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	9.9	7.4	11.2

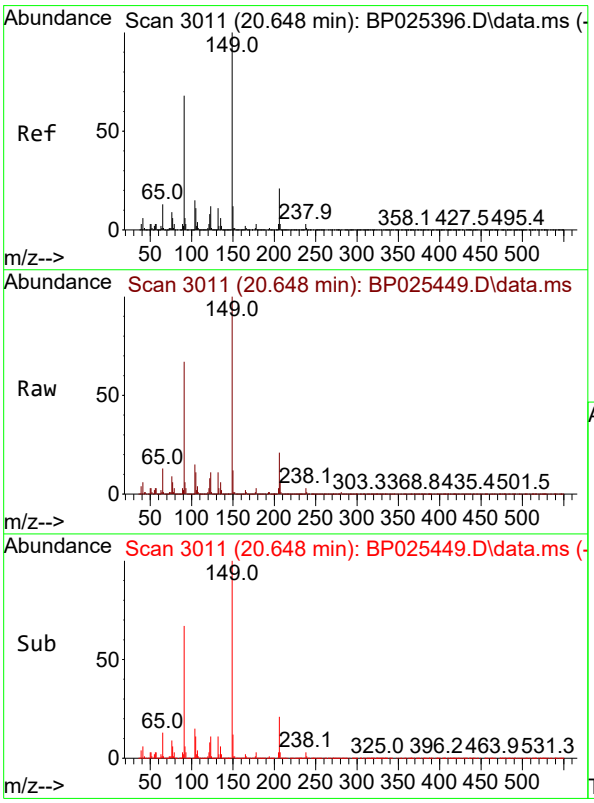


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

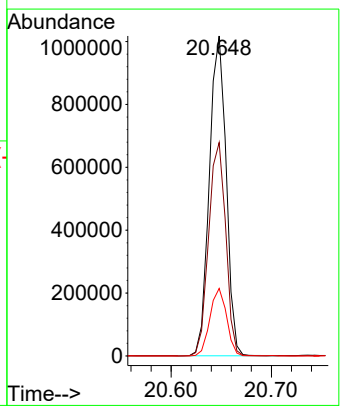
08/18/2025

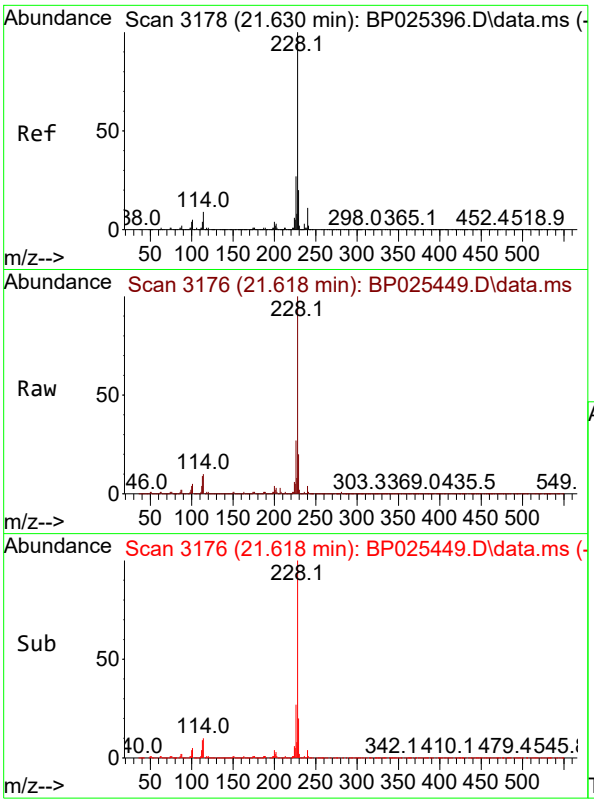


#80
Butylbenzylphthalate
Concen: 43.505 ng
RT: 20.648 min Scan# 3011
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:149 Resp: 1185643

Ion	Ratio	Lower	Upper
149	100		
91	66.7	54.2	81.2
206	21.1	16.6	24.8

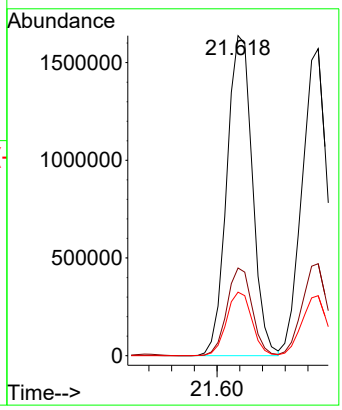




#81
Benzo(a)anthracene
Concen: 42.027 ng
RT: 21.618 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:228 Resp: 256426

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	19.9	15.6	23.4



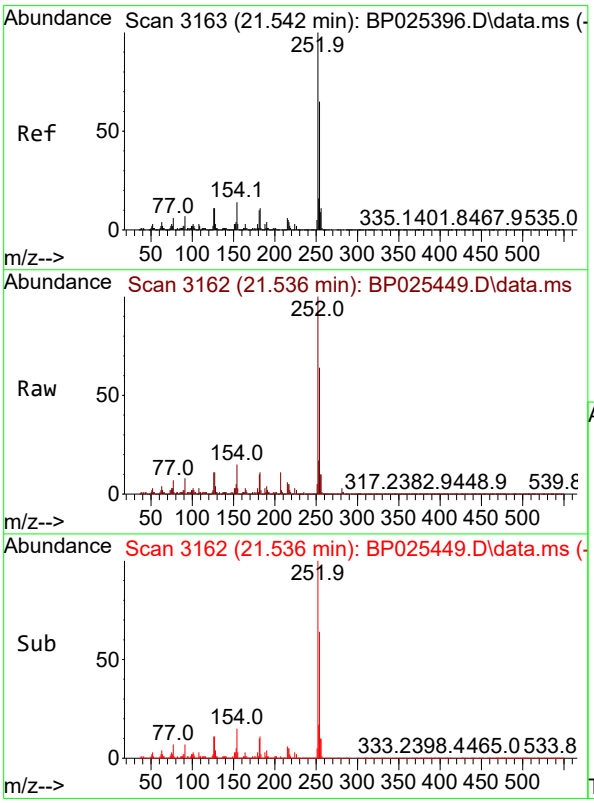
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

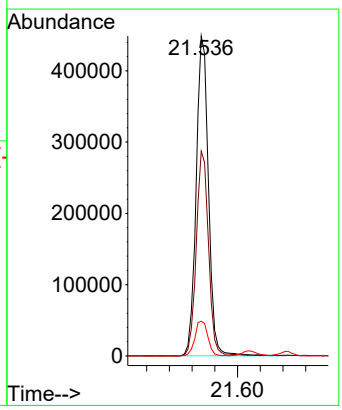
08/18/2025

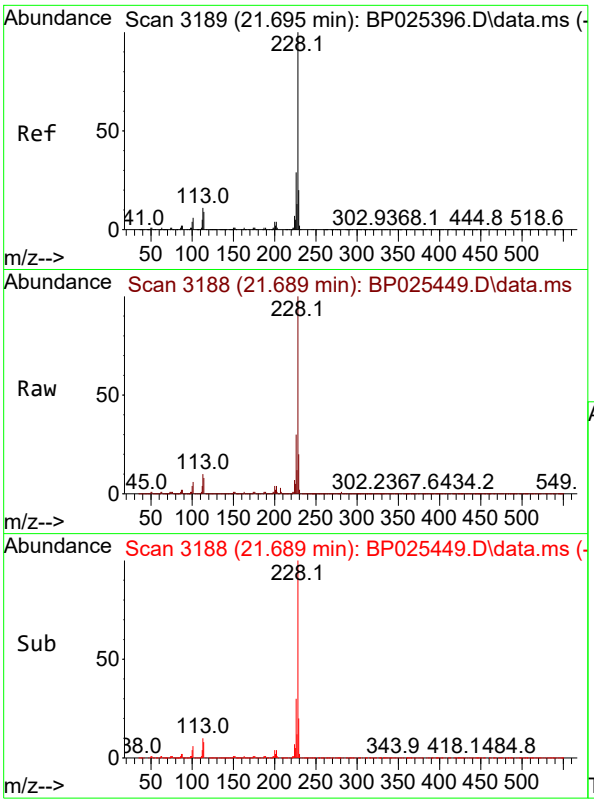


#82
3,3'-Dichlorobenzidine
Concen: 29.424 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:252 Resp: 676694

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.8	77.6
126	10.8	9.1	13.7

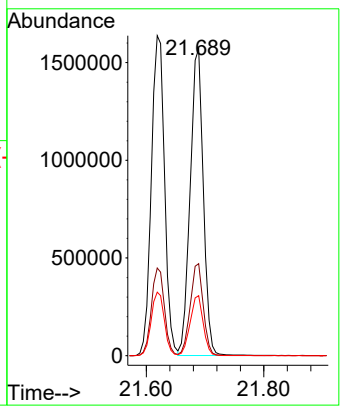




#83
Chrysene
Concen: 42.717 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:228 Resp: 244085

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.2	34.8
229	19.5	15.6	23.4



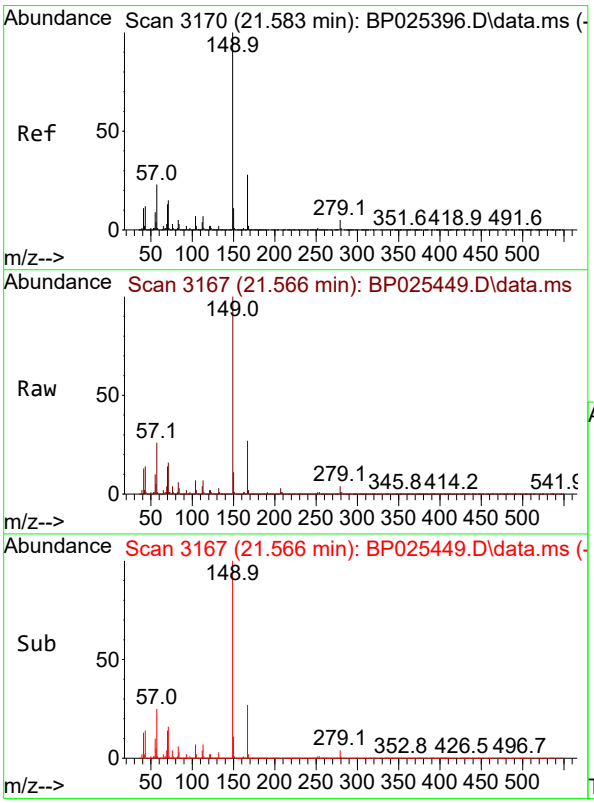
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

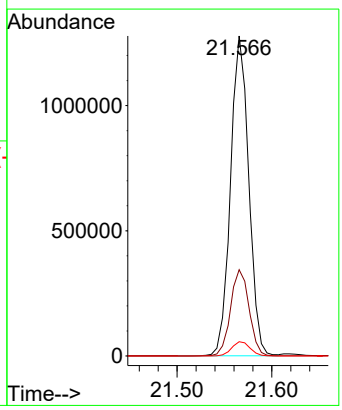
08/18/2025

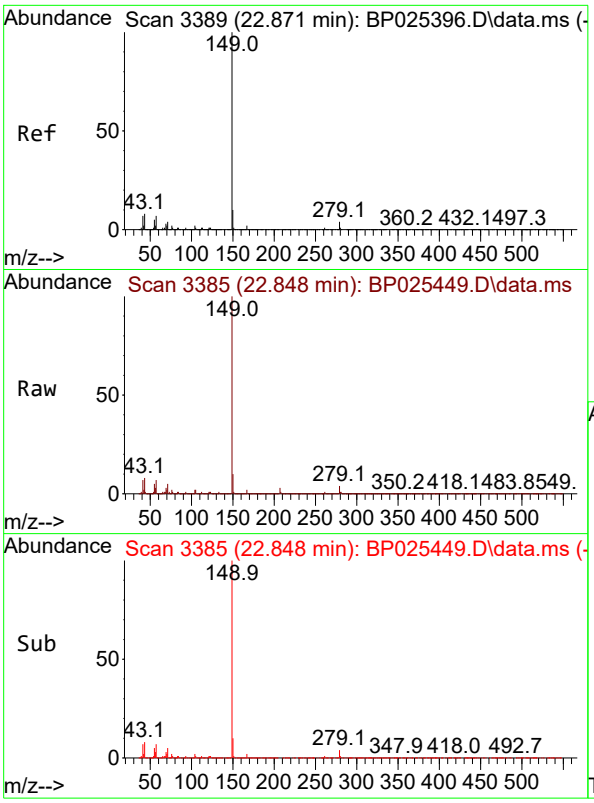


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.550 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:149 Resp: 1707026

Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.1	33.1
279	4.4	3.8	5.6

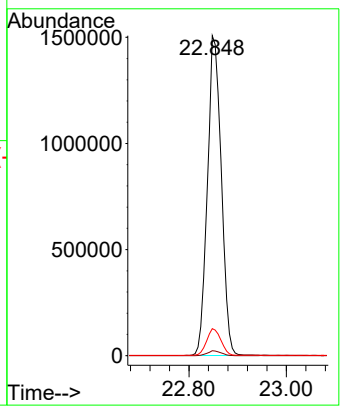




#85
Di-n-octyl phthalate
Concen: 43.097 ng
RT: 22.848 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:149 Resp: 297390

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.5	6.3	9.5



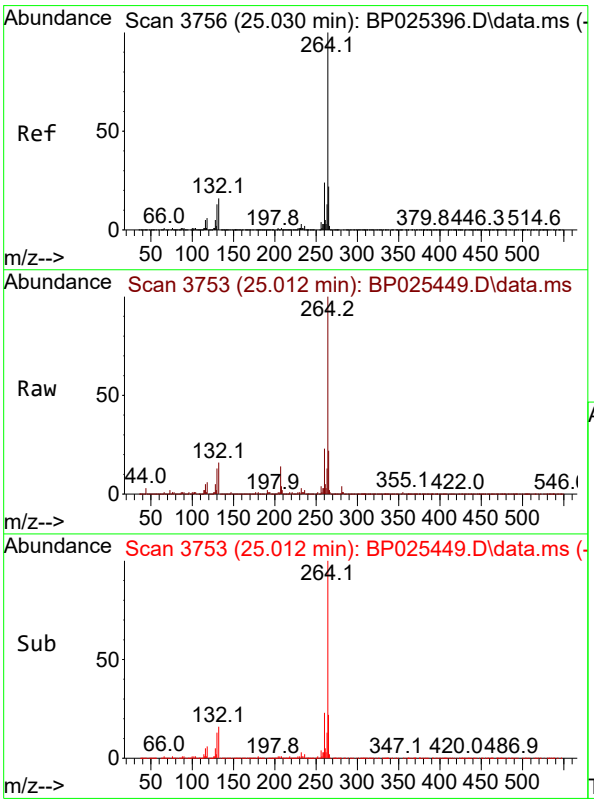
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Reviewed By :Jagrut Upadhyay 08/18/2025

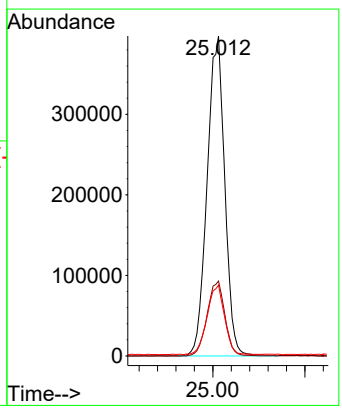
08/18/2025

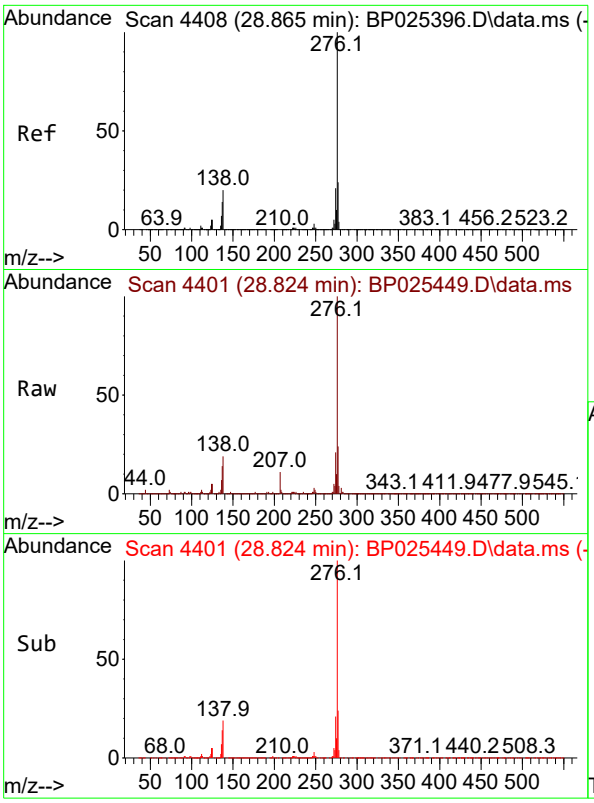


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:264 Resp: 1055241

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	22.2	17.4	26.0

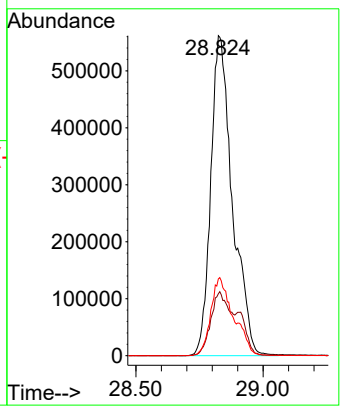




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.990 ng
RT: 28.824 min Scan# 44
Delta R.T. -0.041 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:276 Resp: 332686

Ion	Ratio	Lower	Upper
276	100		
138	18.0	12.9	19.3
277	25.5	17.0	25.6

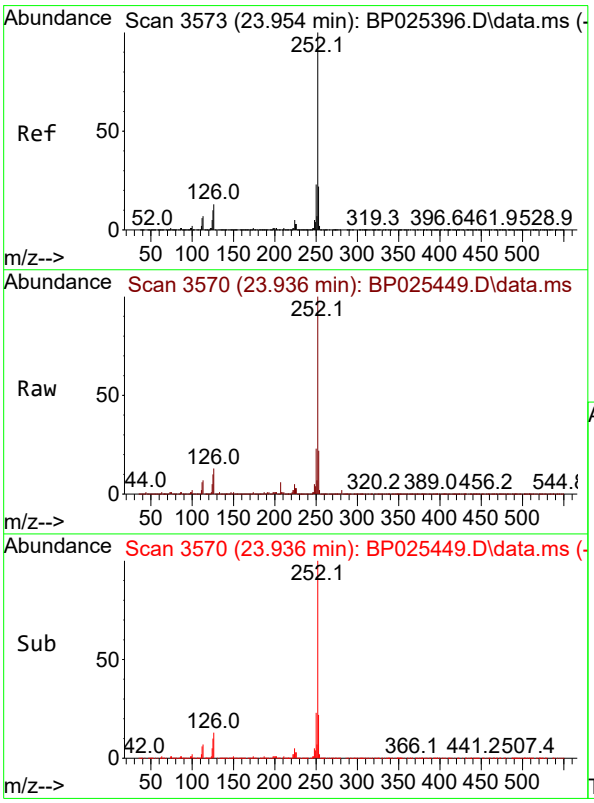


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

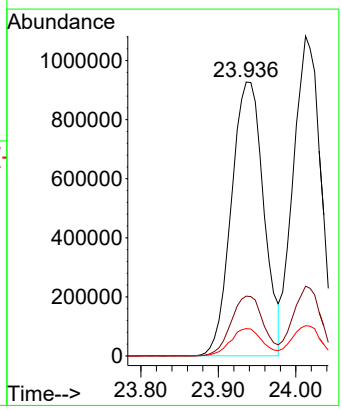
08/18/2025

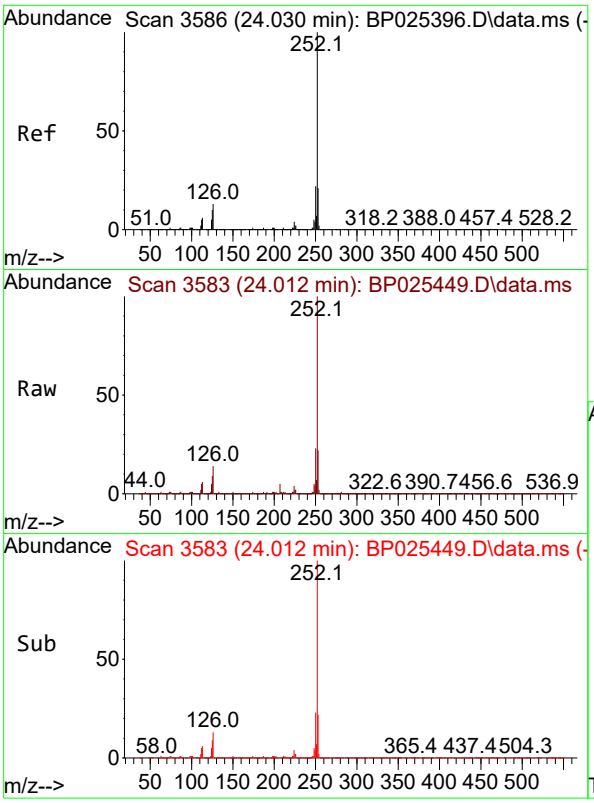


#88
Benzo(b)fluoranthene
Concen: 43.253 ng
RT: 23.936 min Scan# 3570
Delta R.T. -0.018 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:252 Resp: 2691417

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.0	7.9	11.9

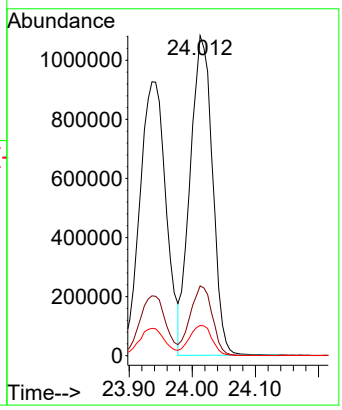




#89
Benzo(k)fluoranthene
Concen: 42.598 ng
RT: 24.012 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:252 Resp: 265246

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	9.5	7.8	11.6

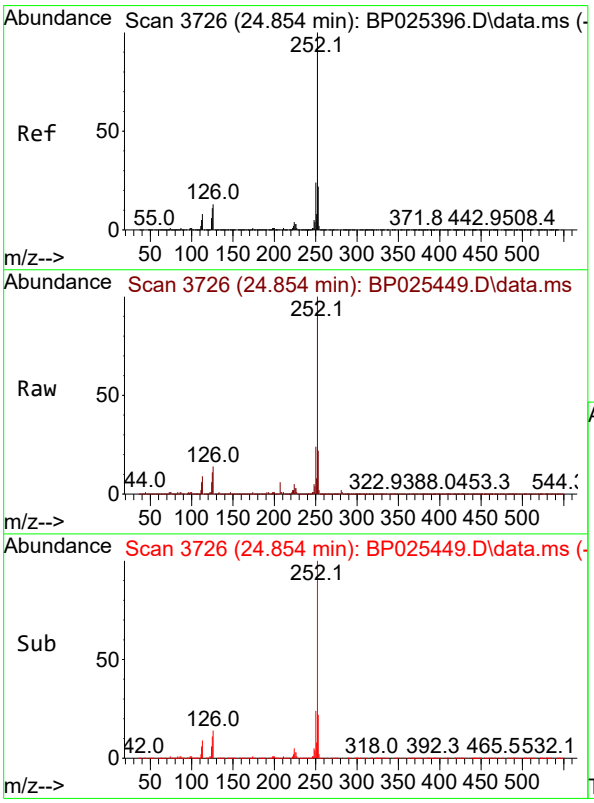


Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

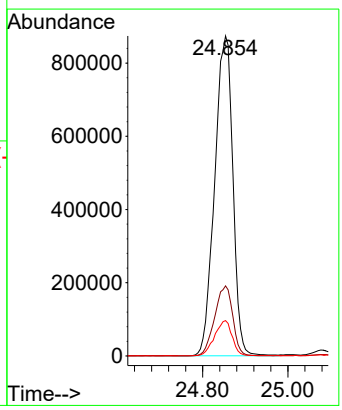
08/18/2025

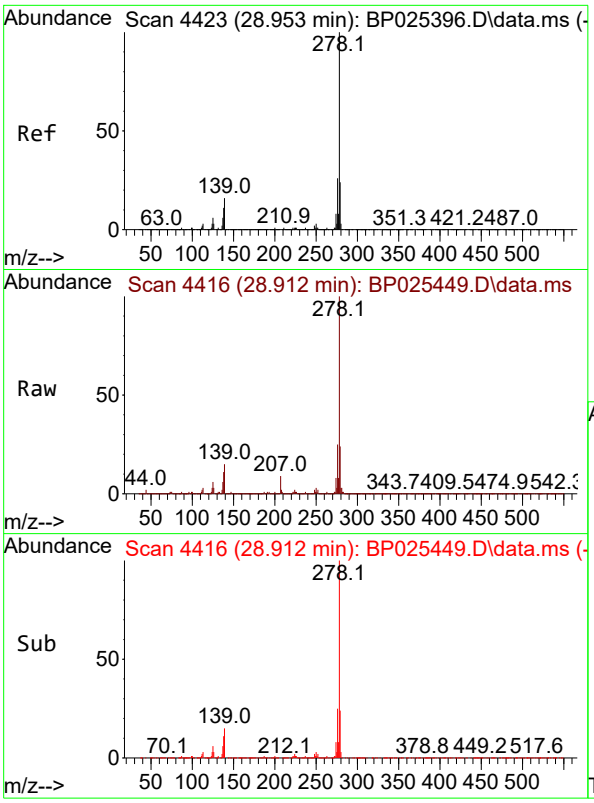


#90
Benzo(a)pyrene
Concen: 42.808 ng
RT: 24.854 min Scan# 3726
Delta R.T. -0.000 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:252 Resp: 2592886

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.1	8.7	13.1

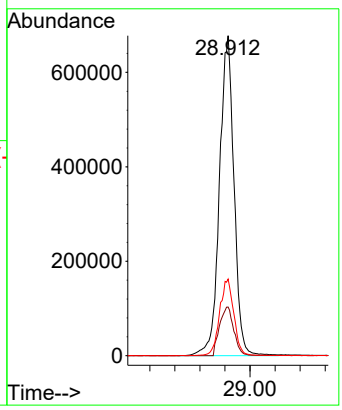




#91
Dibenzo(a,h)anthracene
Concen: 43.113 ng
RT: 28.912 min Scan# 44
Delta R.T. -0.041 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:278 Resp: 272650

Ion	Ratio	Lower	Upper
278	100		
139	15.2	13.0	19.4
279	24.0	19.4	29.2



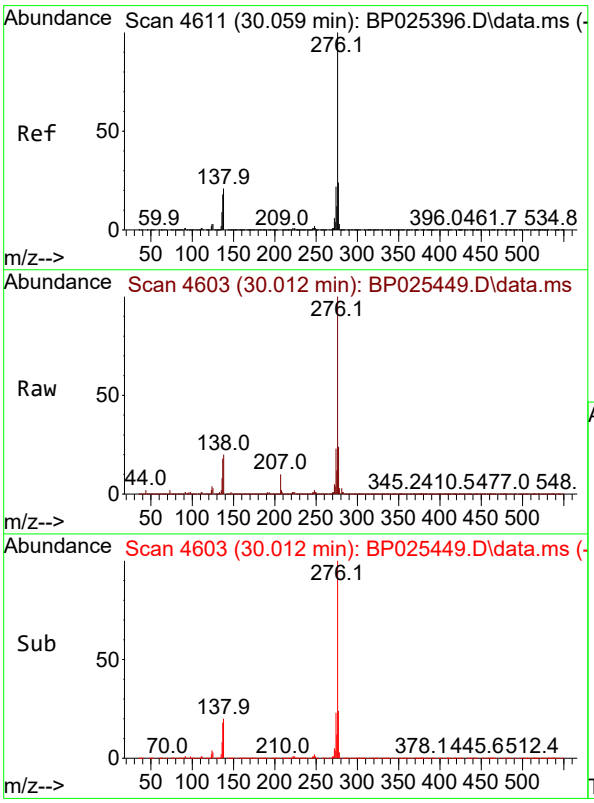
Instrument :
BNA_P
ClientSampleId :
TG-S01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

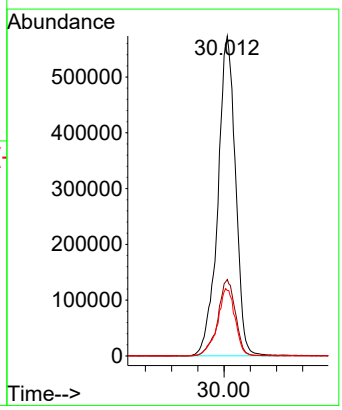
08/18/2025



#92
Benzo(g,h,i)perylene
Concen: 43.082 ng
RT: 30.012 min Scan# 4603
Delta R.T. -0.047 min
Lab File: BP025449.D
Acq: 16 Aug 2025 07:26

Tgt Ion:276 Resp: 2678181

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	20.5	16.7	25.1



Raw Data: **BP025450.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01MSD	SDG No.:	Q2832
Lab Sample ID:	Q2832-02MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025450.D	1	08/14/25 10:30	08/16/25 08:07	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	230		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	310		5.30	50.0	ug/L
95-48-7	2-Methylphenol	420		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	430		11.0	100	ug/L
67-72-1	Hexachloroethane	300		6.50	50.0	ug/L
98-95-3	Nitrobenzene	400		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	350		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	480		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	480		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	510		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	460		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	880	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	122		15 (23) - 110 (138)	81%	SPK: 150
13127-88-3	Phenol-d6	118		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.8		30 (67) - 130 (132)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.9		30 (52) - 130 (132)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	83.6		30 (42) - 130 (152)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	153000	7.79			
1146-65-2	Naphthalene-d8	626000	10.554			
15067-26-2	Acenaphthene-d10	423000	14.407			
1517-22-2	Phenanthrene-d10	868000	17.207			
1719-03-5	Chrysene-d12	888000	21.642			
1520-96-3	Perylene-d12	1010000	24.995			

Raw Data: **BP025450.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01MSD	SDG No.:	Q2832
Lab Sample ID:	Q2832-02MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025450.D	1	08/14/25 10:30	08/16/25 08:07	PB169275

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025450.D
Acq On : 16 Aug 2025 08:07
Operator : CG/JU
Sample : Q2832-02MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 18 01:42:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	152685	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	625908	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	422650	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	867716	20.000	ng	0.00
76) Chrysene-d12	21.642	240	888384	20.000	ng	0.00
86) Perylene-d12	24.995	264	1010794	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1119343	121.747	ng	0.00
7) Phenol-d6	6.972	99	1387566	117.715	ng	0.00
23) Nitrobenzene-d5	8.931	82	999251	80.759	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	751556	132.109	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2314862	74.854	ng	0.00
79) Terphenyl-d14	19.919	244	4060286	83.619	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.343	88	102145	28.364	ng	# 57
3) Pyridine	3.743	79	224666	22.792	ng	95
4) n-Nitrosodimethylamine	3.637	42	148951	36.654	ng	95
6) Aniline	7.125	93	326425	20.553	ng	97
8) 2-Chlorophenol	7.366	128	412450	39.754	ng	99
9) Benzaldehyde	6.943	77	124730	15.103	ng	97
10) Phenol	6.996	94	481135	38.899	ng	96
11) bis(2-Chloroethyl)ether	7.219	93	353365	36.654	ng	99
12) 1,3-Dichlorobenzene	7.684	146	341413	29.843	ng	99
13) 1,4-Dichlorobenzene	7.825	146	358602	30.668	ng	99
14) 1,2-Dichlorobenzene	8.137	146	353942	31.269	ng	98
15) Benzyl Alcohol	8.025	79	398669	42.566	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.313	45	478030	37.015	ng	98
17) 2-Methylphenol	8.225	107	364348	42.413	ng	99
18) Hexachloroethane	8.860	117	128486	29.885	ng	98
19) n-Nitroso-di-n-propyla...	8.584	70	305739	39.158	ng	97
20) 3+4-Methylphenols	8.549	107	516104	43.342	ng	97
22) Acetophenone	8.602	105	611367	38.949	ng	# 98
24) Nitrobenzene	8.966	77	438312	39.637	ng	97
25) Isophorone	9.496	82	921219	42.070	ng	99
26) 2-Nitrophenol	9.672	139	225491	39.733	ng	98
27) 2,4-Dimethylphenol	9.737	122	448844	45.990	ng	100
28) bis(2-Chloroethoxy)met...	9.966	93	545917	41.243	ng	99
29) 2,4-Dichlorophenol	10.207	162	455810	47.015	ng	99
30) 1,2,4-Trichlorobenzene	10.419	180	385424	36.265	ng	96
31) Naphthalene	10.607	128	1245344	38.281	ng	100
32) Benzoic acid	9.849	122	143510	19.917	ng	93
33) 4-Chloroaniline	10.707	127	163507	11.378	ng	98
34) Hexachlorobutadiene	10.896	225	229173	34.625	ng	97
35) Caprolactam	11.490	113	152124m	42.792	ng	
36) 4-Chloro-3-methylphenol	11.837	107	552710	49.683	ng	98
37) 2-Methylnaphthalene	12.213	142	879639	41.550	ng	99
38) 1-Methylnaphthalene	12.431	142	926237	41.140	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	502447	41.162	ng	98
41) Hexachlorocyclopentadiene	12.566	237	500410	67.868	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	394645	47.889	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025450.D
Acq On : 16 Aug 2025 08:07
Operator : CG/JU
Sample : Q2832-02MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 18 01:42:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	434241	48.080	ng	98
46) 1,1'-Biphenyl	13.225	154	1344882	43.814	ng	99
47) 2-Chloronaphthalene	13.266	162	1023664	42.838	ng	99
48) 2-Nitroaniline	13.466	65	360205	51.733	ng	100
49) Acenaphthylene	14.125	152	1762818	44.582	ng	99
50) Dimethylphthalate	13.854	163	1453848	46.974	ng	100
51) 2,6-Dinitrotoluene	13.960	165	324485	49.742	ng	96
52) Acenaphthene	14.472	154	1040070m	44.812	ng	
53) 3-Nitroaniline	14.295	138	219062	29.847	ng	96
54) 2,4-Dinitrophenol	14.507	184	140145	40.229	ng	97
55) Dibenzofuran	14.813	168	1657330	45.165	ng	99
56) 4-Nitrophenol	14.613	139	565622	93.784	ng	89
57) 2,4-Dinitrotoluene	14.772	165	479197	51.486	ng	98
58) Fluorene	15.472	166	1317796	45.512	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.037	232	397256	49.814	ng	97
60) Diethylphthalate	15.237	149	1491282	47.420	ng	100
61) 4-Chlorophenyl-phenyle...	15.466	204	638866	44.365	ng	95
62) 4-Nitroaniline	15.484	138	346090	45.997	ng	95
63) Azobenzene	15.760	77	1340309	49.773	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	152039	28.109	ng	88
66) n-Nitrosodiphenylamine	15.678	169	1245853	47.084	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	434693	45.550	ng	94
68) Hexachlorobenzene	16.495	284	511055	46.197	ng	97
69) Atrazine	16.654	200	445042	44.911	ng	97
70) Pentachlorophenol	16.848	266	616953	88.347	ng	98
71) Phenanthrene	17.248	178	2244223	47.082	ng	100
72) Anthracene	17.336	178	2315498	47.569	ng	100
73) Carbazole	17.619	167	2208948	48.178	ng	99
74) Di-n-butylphthalate	18.213	149	2686045	47.616	ng	100
75) Fluoranthene	19.325	202	2704873	47.573	ng	98
77) Benzidine	19.507	184	829917	27.373	ng	99
78) Pyrene	19.701	202	2846746	49.301	ng	100
80) Butylbenzylphthalate	20.648	149	1296053	49.525	ng	98
81) Benzo(a)anthracene	21.624	228	2793394	47.678	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	778861	35.269	ng	99
83) Chrysene	21.689	228	2666882	48.605	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	1885442	48.943	ng	99
85) Di-n-octyl phthalate	22.854	149	3281395	49.522	ng	99
87) Indeno(1,2,3-cd)pyrene	28.824	276	3572016m	48.187	ng	
88) Benzo(b)fluoranthene	23.936	252	2925656	49.085	ng	99
89) Benzo(k)fluoranthene	24.013	252	2961772	49.657	ng	99
90) Benzo(a)pyrene	24.854	252	2856583	49.235	ng	98
91) Dibenzo(a,h)anthracene	28.906	278	2912079	48.072	ng	99
92) Benzo(g,h,i)perylene	30.012	276	2872944	48.247	ng	99

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

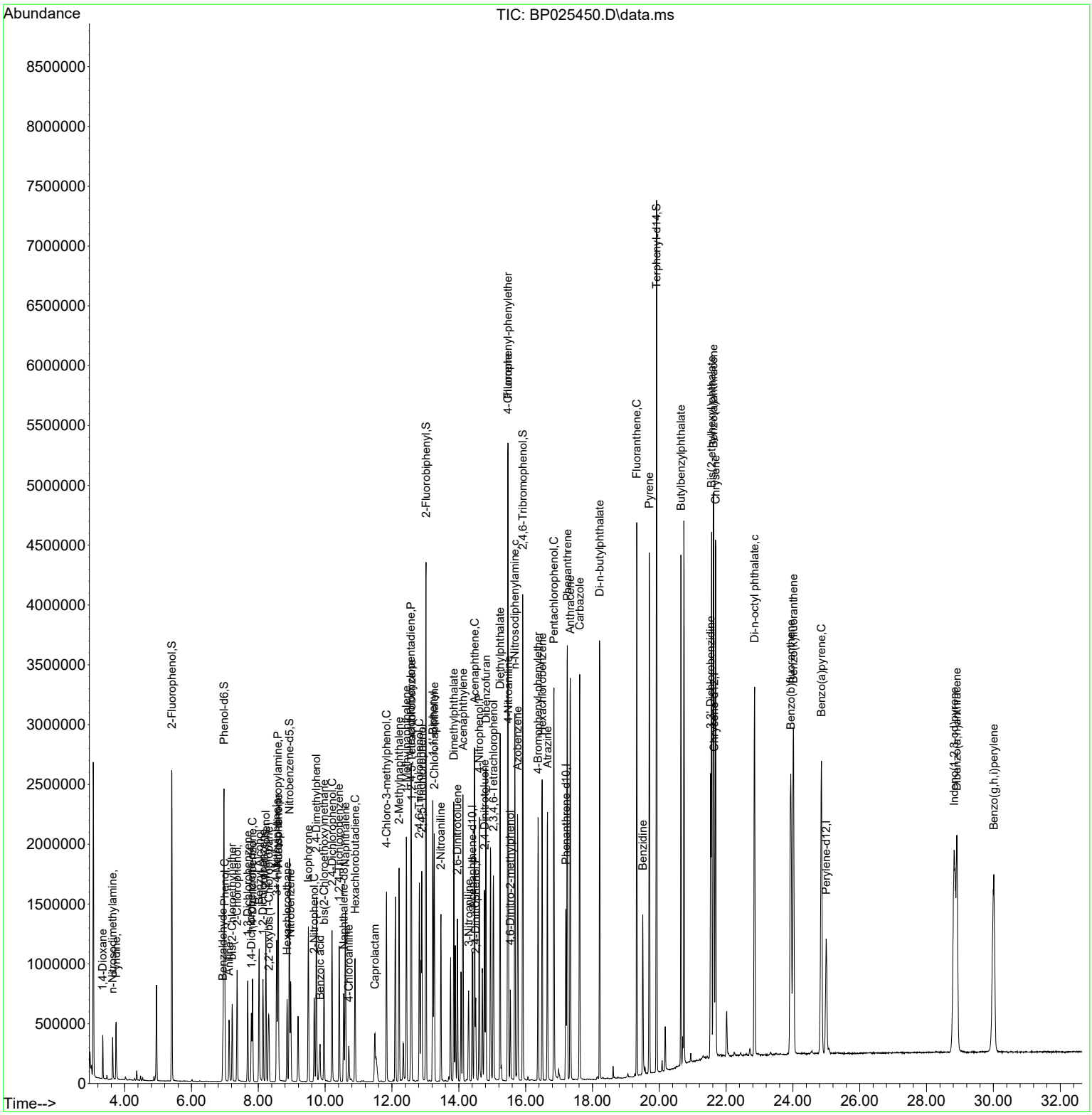
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025450.D
Acq On : 16 Aug 2025 08:07
Operator : CG/JU
Sample : Q2832-02MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

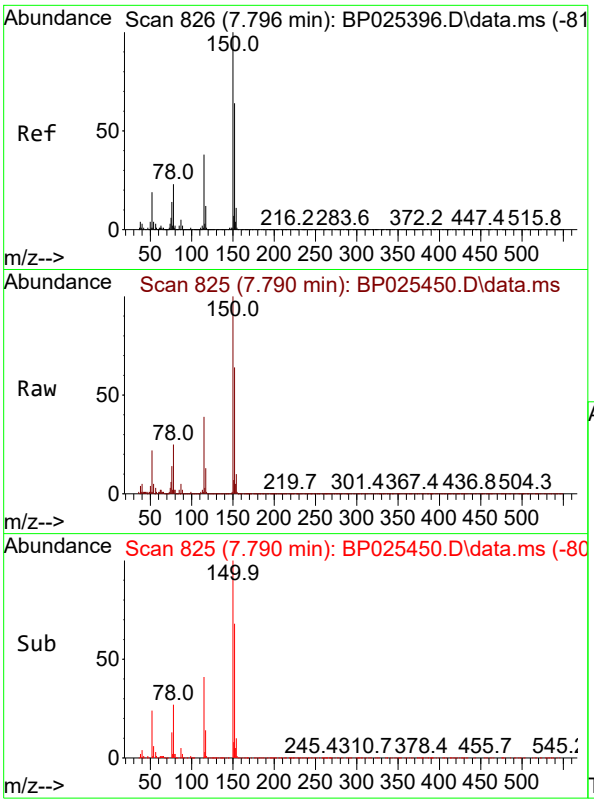
Quant Time: Aug 18 01:42:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

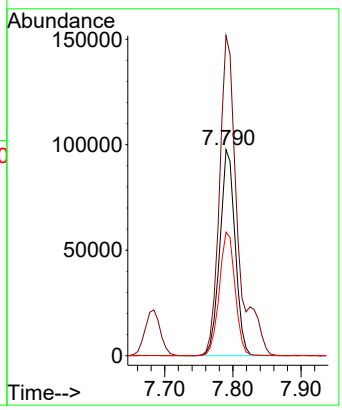




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:152 Resp: 15268

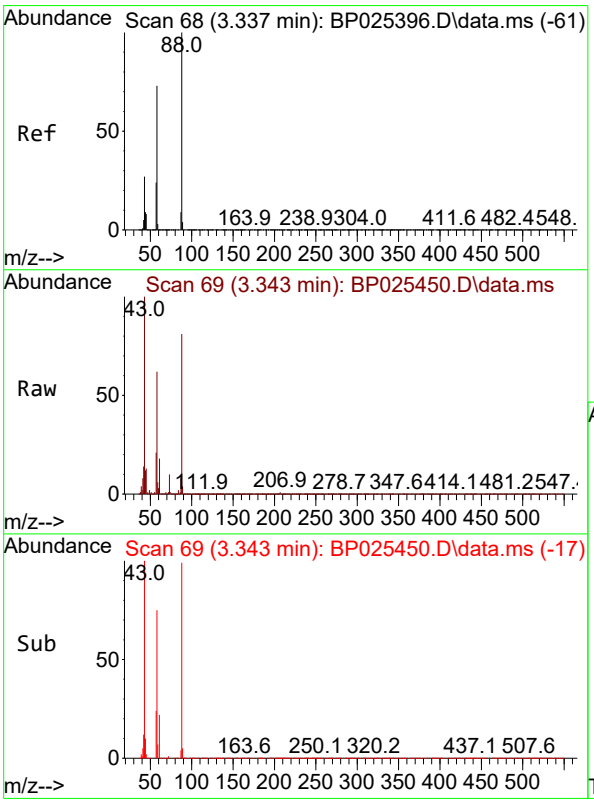
Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.9	188.9
115	59.9	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

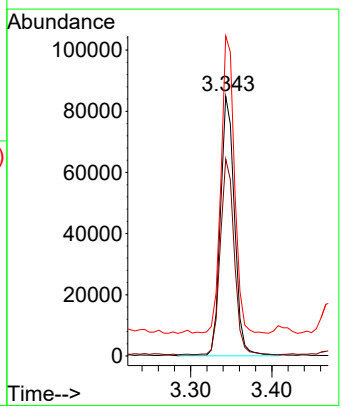
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

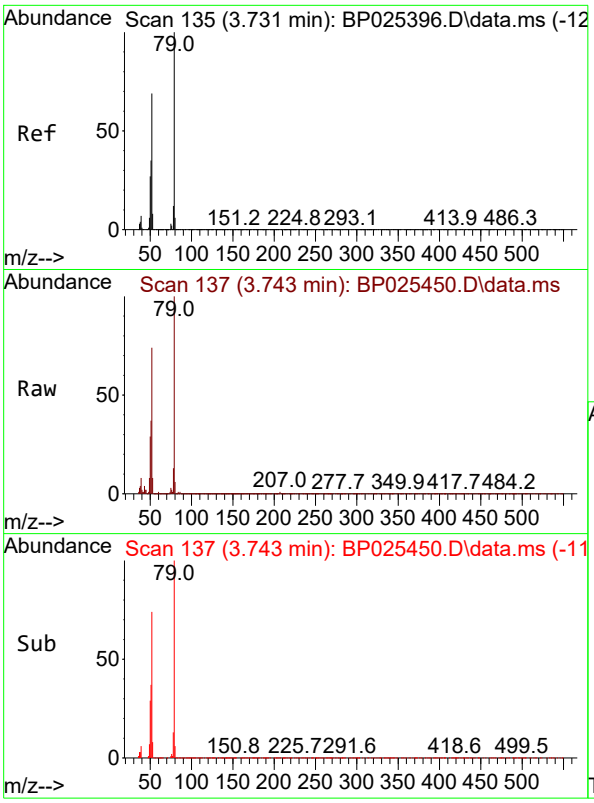


#2
1,4-Dioxane
Concen: 28.364 ng
RT: 3.343 min Scan# 69
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 88 Resp: 102145

Ion	Ratio	Lower	Upper
88	100		
58	74.8	59.2	88.8
43	109.9	21.7	32.5#

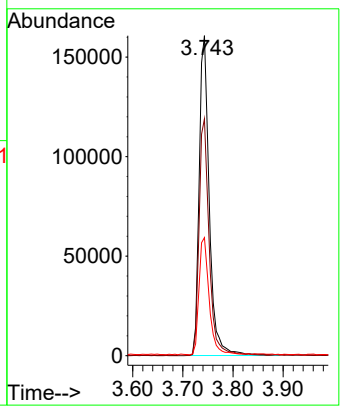




#3
Pyridine
Concen: 22.792 ng
RT: 3.743 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 79 Resp: 22466

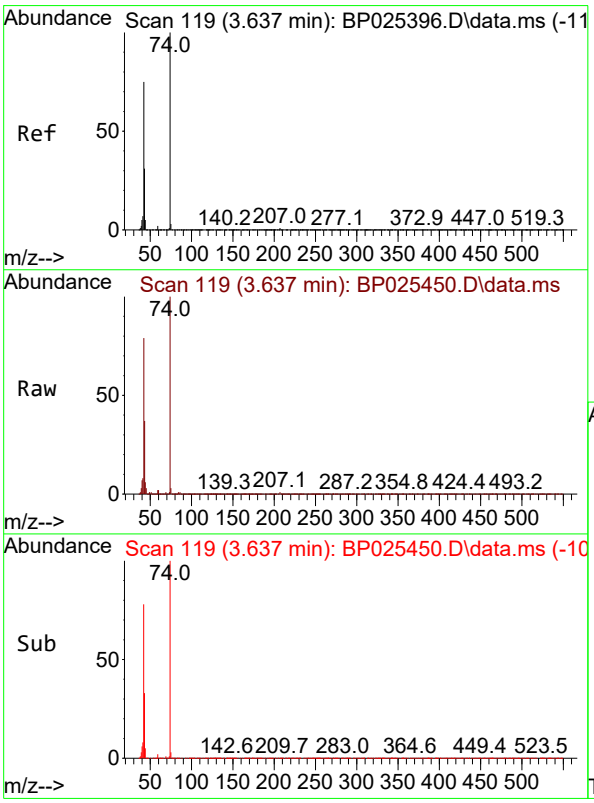
Ion	Ratio	Lower	Upper
79	100		
52	74.0	55.5	83.3
51	36.9	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

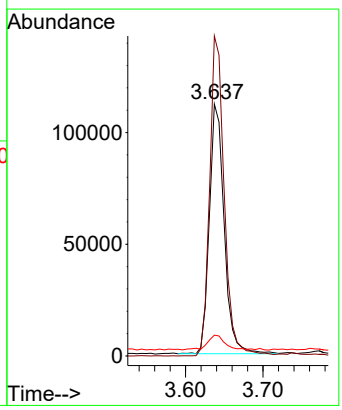
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

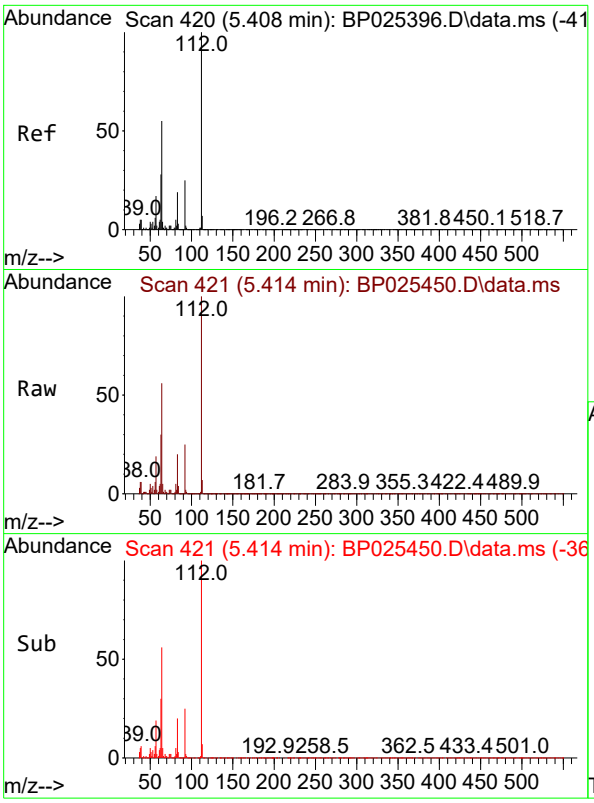


#4
n-Nitrosodimethylamine
Concen: 36.654 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 42 Resp: 148951

Ion	Ratio	Lower	Upper
42	100		
74	127.0	107.0	160.4
44	8.2	6.2	9.4

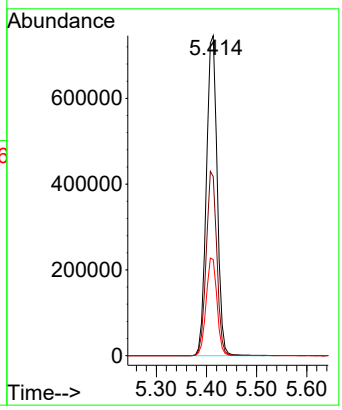




#5
2-Fluorophenol
Concen: 121.747 ng
RT: 5.414 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:112 Resp: 111934

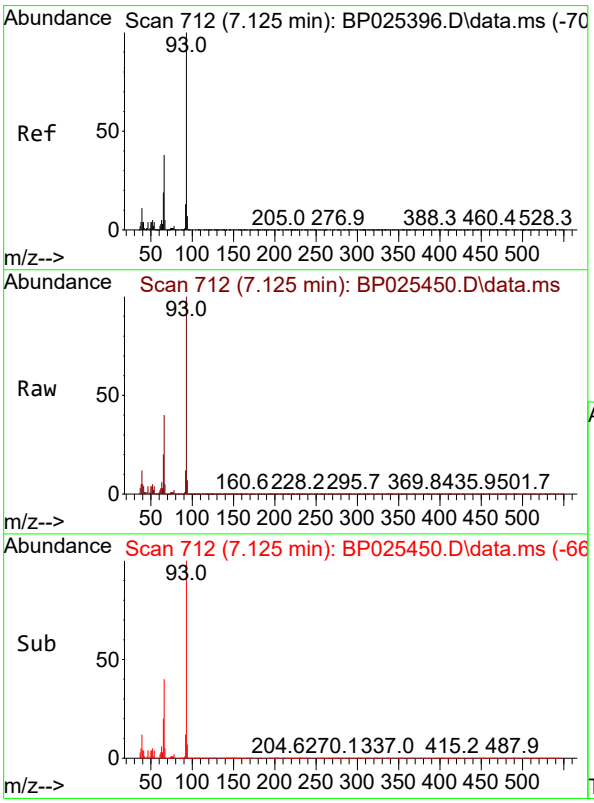
Ion	Ratio	Lower	Upper
112	100		
64	56.0	43.8	65.8
63	30.0	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

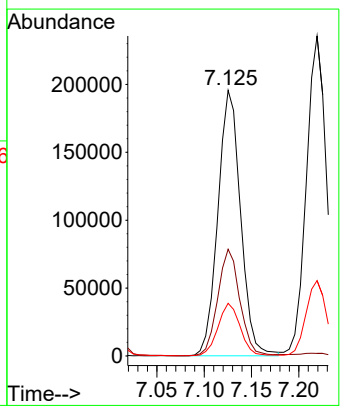
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

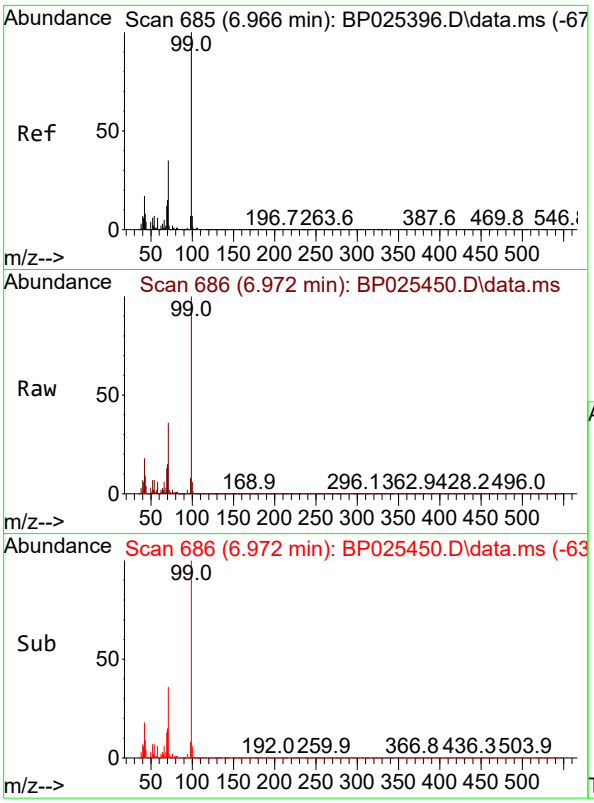


#6
Aniline
Concen: 20.553 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 93 Resp: 326425

Ion	Ratio	Lower	Upper
93	100		
66	40.2	30.4	45.6
65	19.8	15.3	22.9

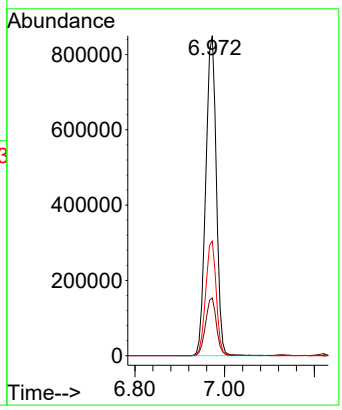




#7
Phenol-d6
Concen: 117.715 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 99 Resp: 138756

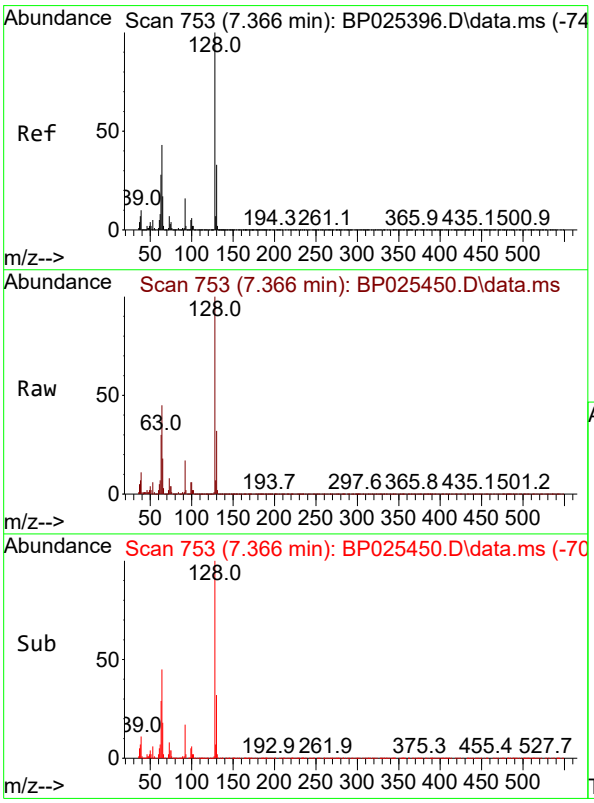
Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.7	20.5
71	35.8	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

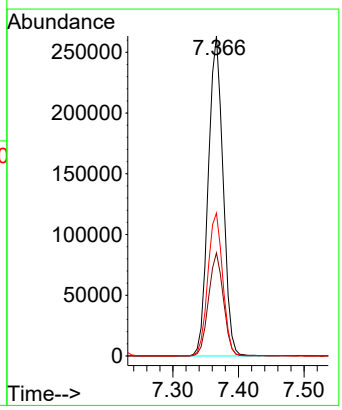
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

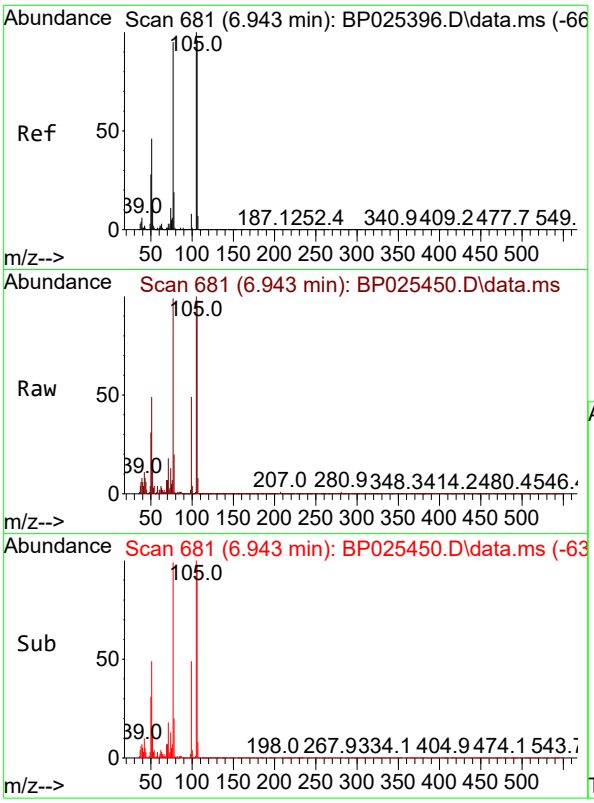


#8
2-Chlorophenol
Concen: 39.754 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:128 Resp: 412450

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.6	52.6
64	44.6	23.4	63.4

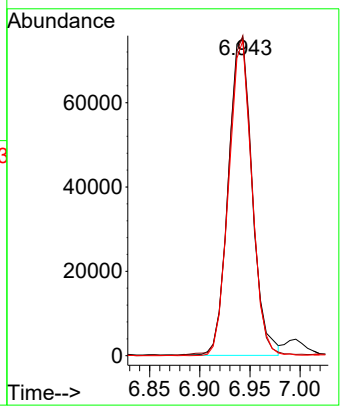




#9
Benzaldehyde
Concen: 15.103 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 77 Resp: 12473

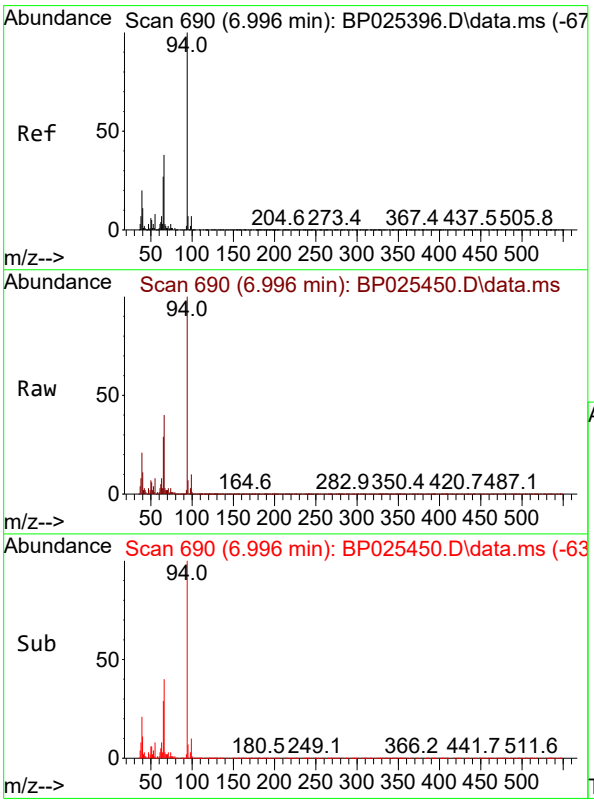
Ion	Ratio	Lower	Upper
77	100		
105	100.7	84.8	124.8
106	99.2	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

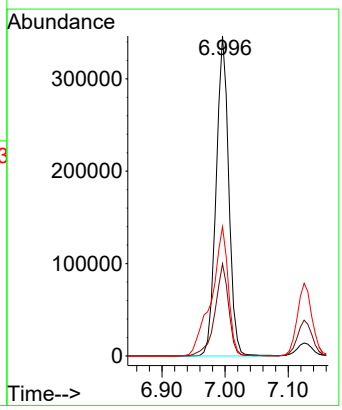
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

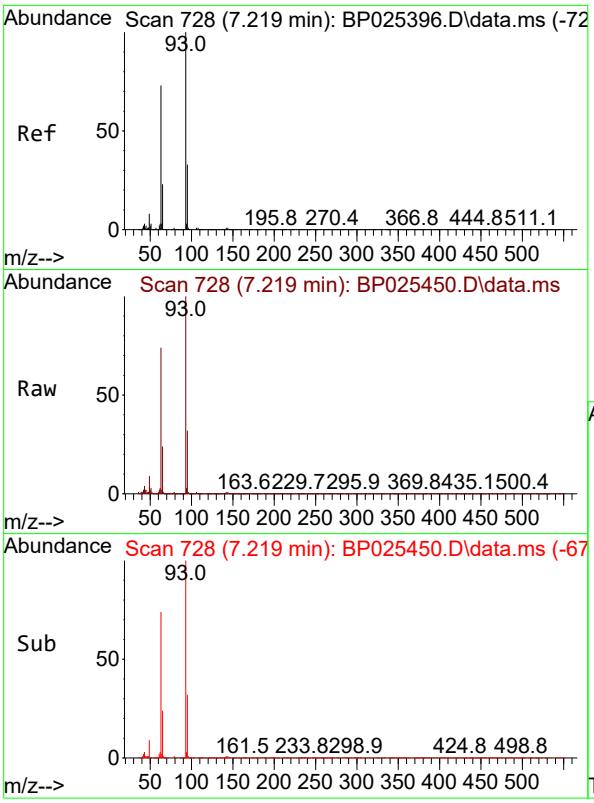


#10
Phenol
Concen: 38.899 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 94 Resp: 481135

Ion	Ratio	Lower	Upper
94	100		
65	28.8	6.8	46.8
66	40.4	18.2	58.2

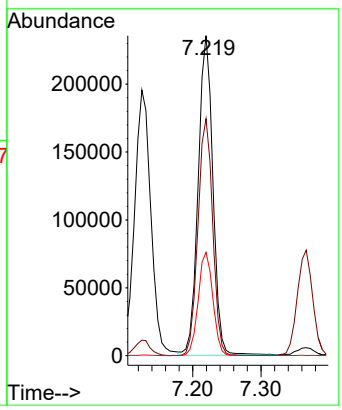




#11
bis(2-Chloroethyl)ether
Concen: 36.654 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 93 Resp: 35336

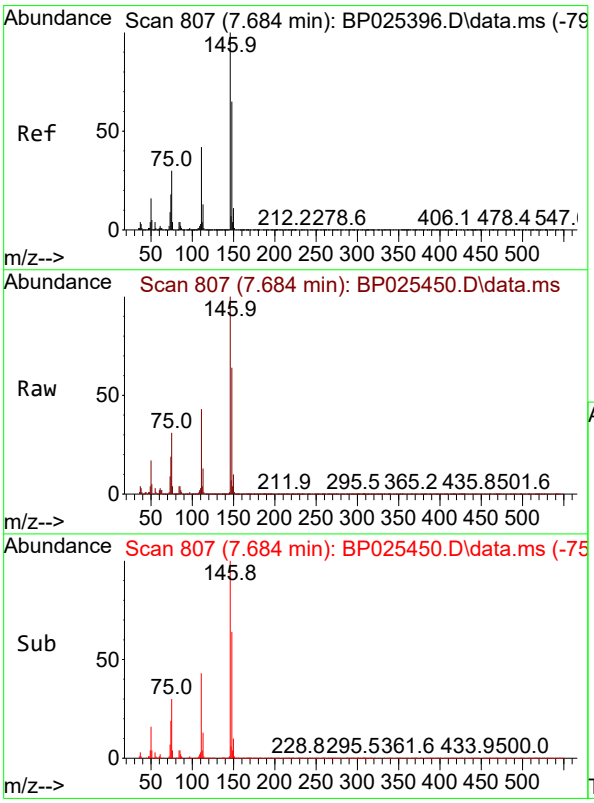
Ion	Ratio	Lower	Upper
93	100		
63	74.1	52.6	92.6
95	32.3	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

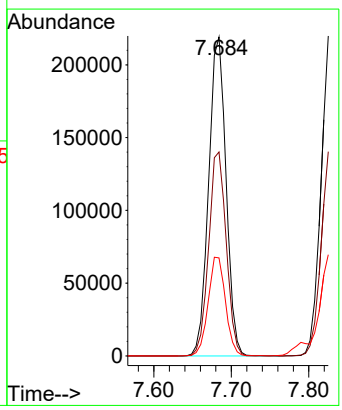
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

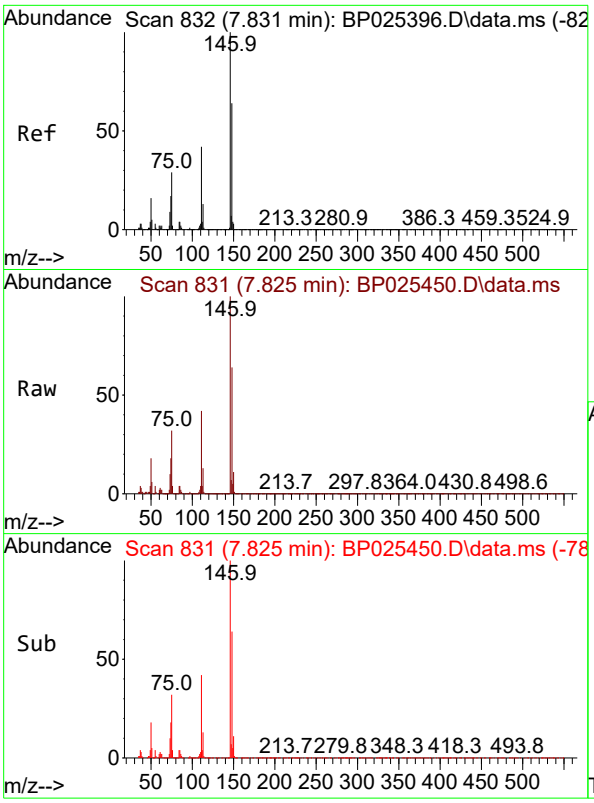


#12
1,3-Dichlorobenzene
Concen: 29.843 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:146 Resp: 341413

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
75	30.8	23.7	35.5

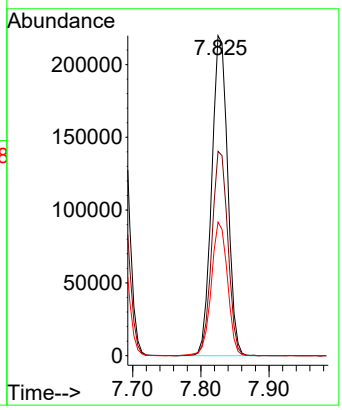




#13
1,4-Dichlorobenzene
Concen: 30.668 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:146 Resp: 35860

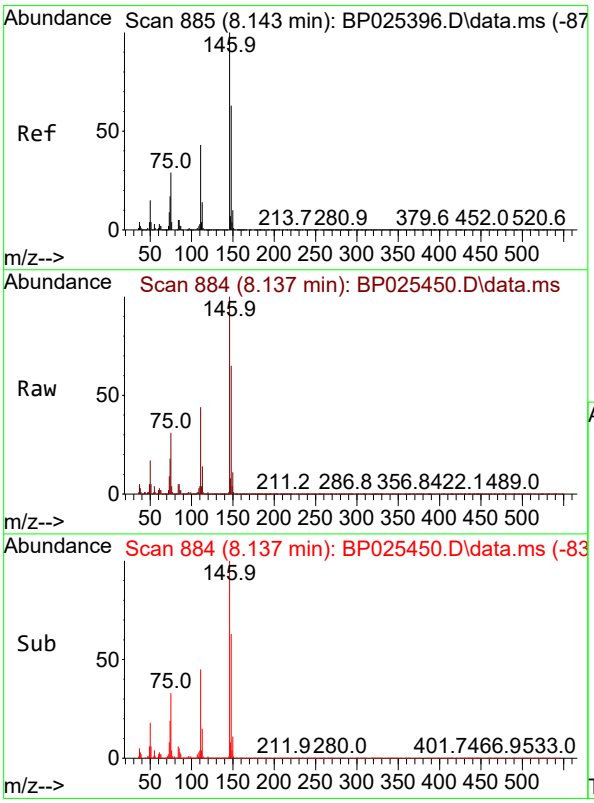
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
111	41.7	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

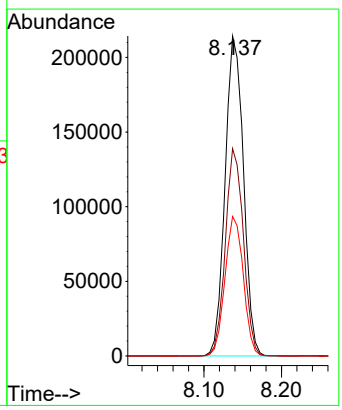
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

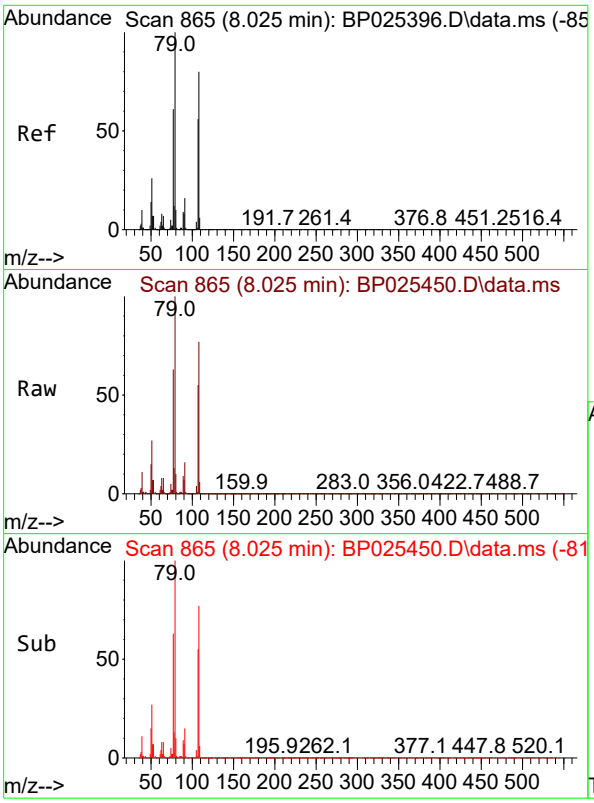


#14
1,2-Dichlorobenzene
Concen: 31.269 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:146 Resp: 353942

Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.4	75.6
111	43.6	34.5	51.7

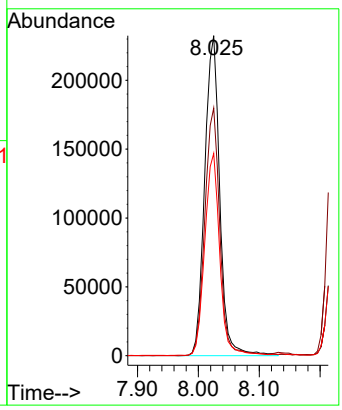




#15
Benzyl Alcohol
Concen: 42.566 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 79 Resp: 39866

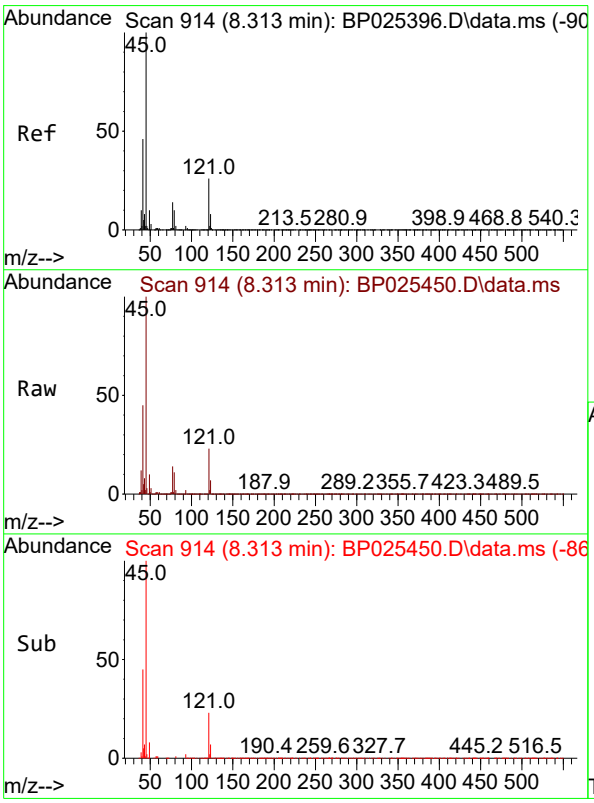
Ion	Ratio	Lower	Upper
79	100		
108	77.4	63.8	95.6
77	63.2	49.0	73.4



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

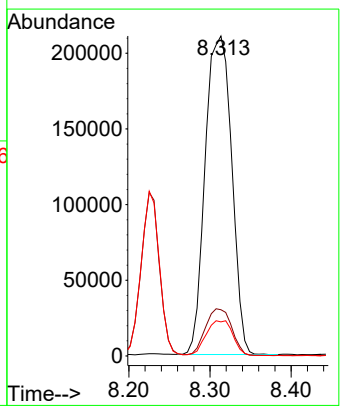
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

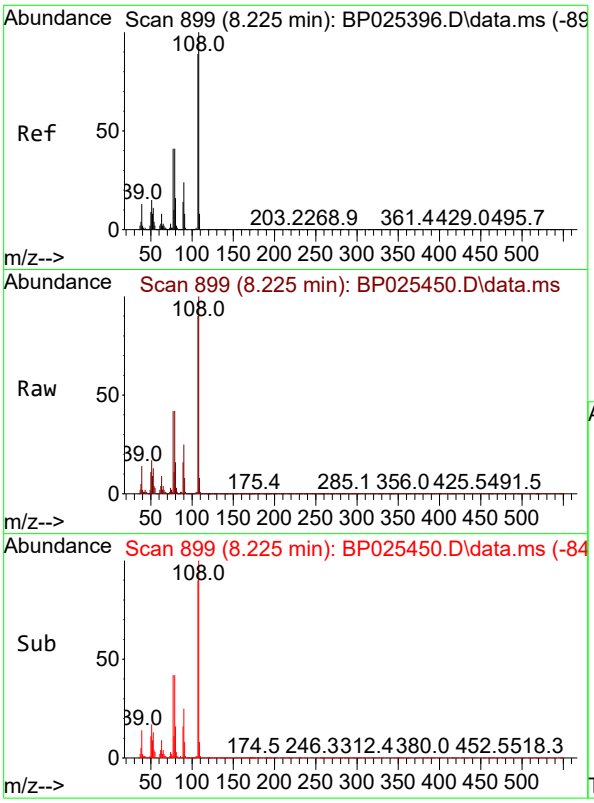


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.015 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 45 Resp: 478030

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	35.3
79	10.7	0.0	31.8

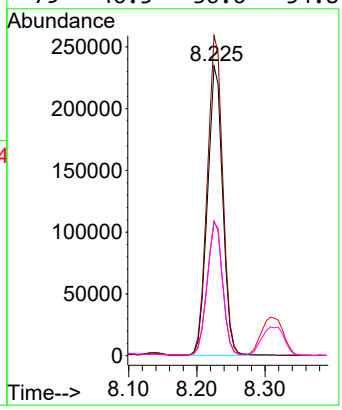




#17
2-Methylphenol
Concen: 42.413 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:107 Resp: 364348

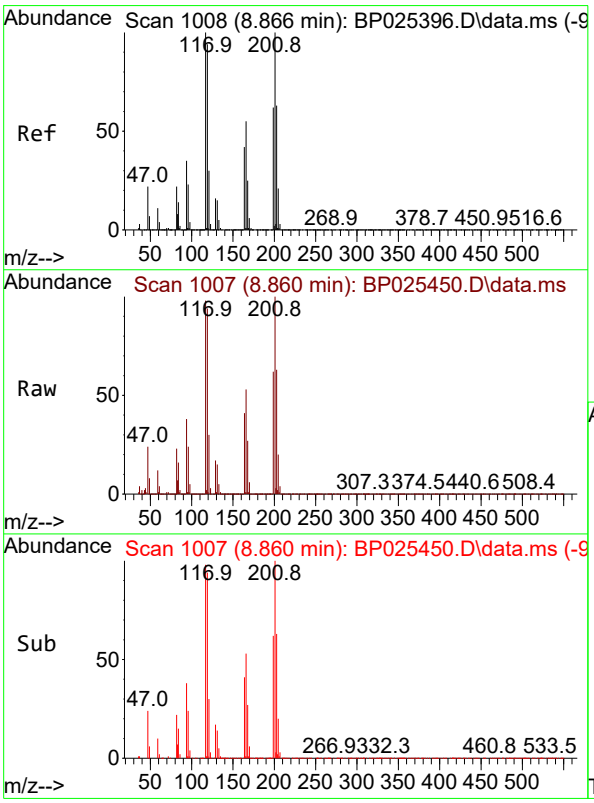
Ion	Ratio	Lower	Upper
107	100		
108	110.5	89.4	134.0
77	46.1	36.3	54.5
79	46.5	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

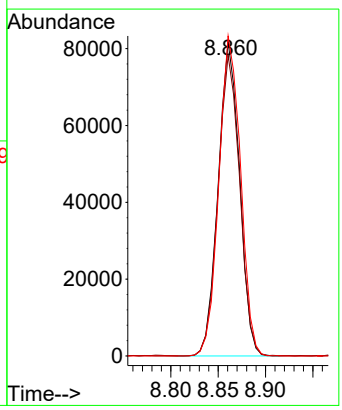
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

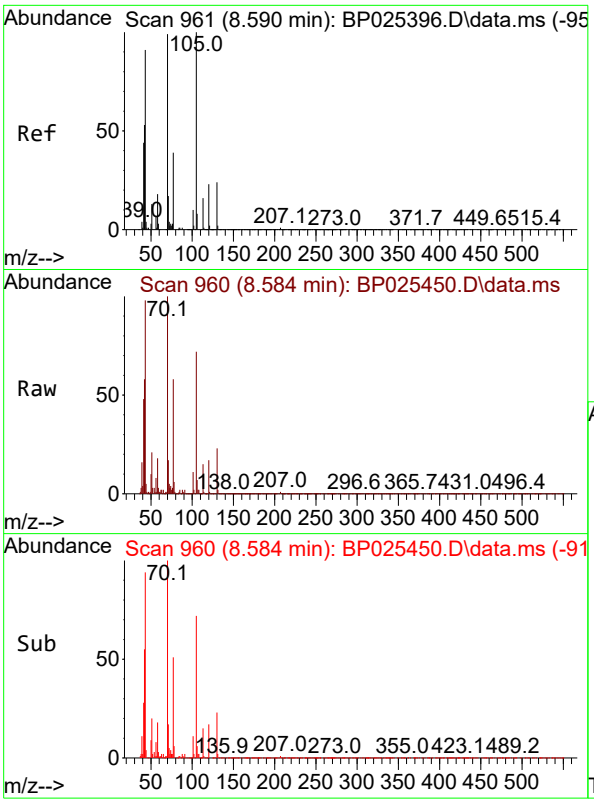


#18
Hexachloroethane
Concen: 29.885 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:117 Resp: 128486

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.1	112.7
201	101.9	80.1	120.1



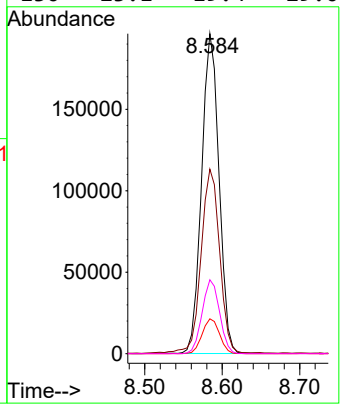


#19
n-Nitroso-di-n-propylamine
Concen: 39.158 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

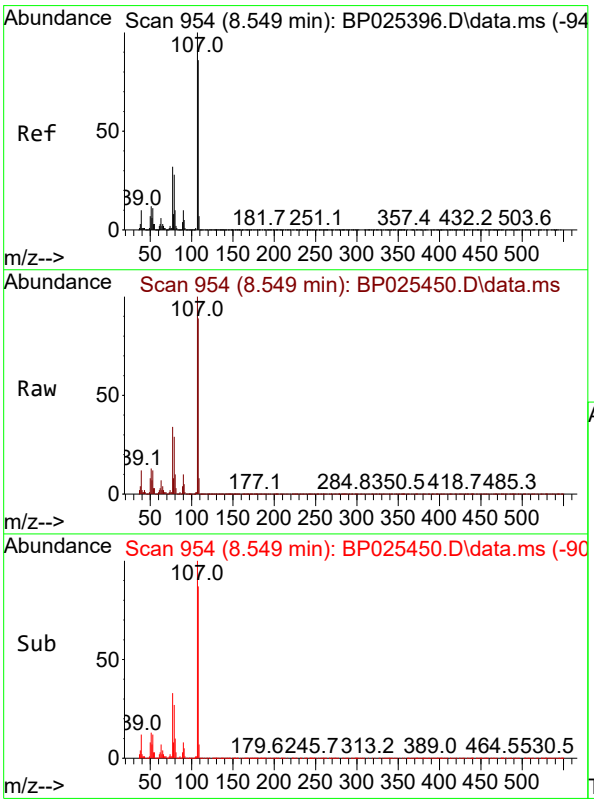
Tgt Ion: 70 Resp: 30573

Ion	Ratio	Lower	Upper
70	100		
42	57.6	43.8	65.6
101	10.9	8.5	12.7
130	23.1	19.4	29.0



Manual Integrations
APPROVED

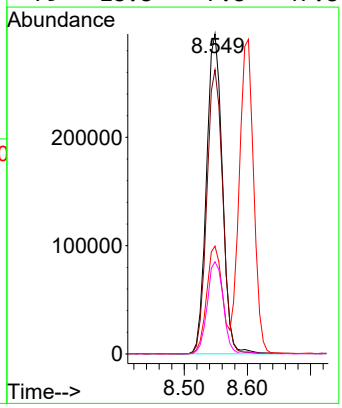
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

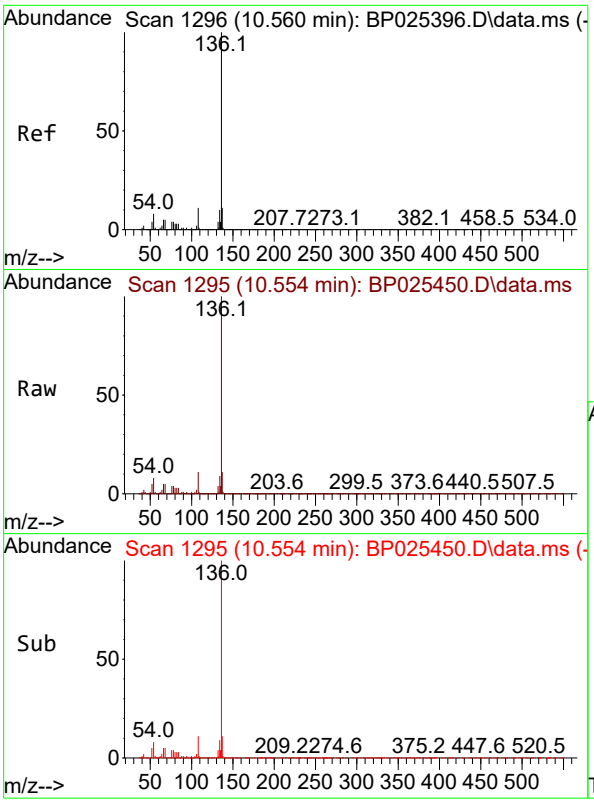


#20
3+4-Methylphenols
Concen: 43.342 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:107 Resp: 516104

Ion	Ratio	Lower	Upper
107	100		
108	88.8	66.3	106.3
77	33.7	12.3	52.3
79	28.8	7.8	47.8

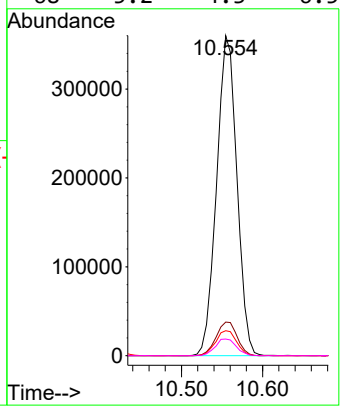




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:136 Resp: 62590

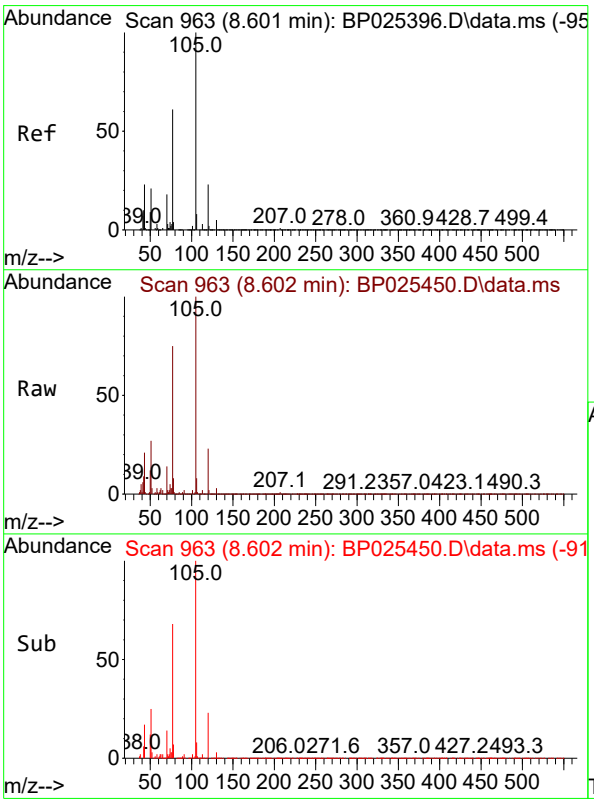
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.8	6.0	9.0
68	5.2	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

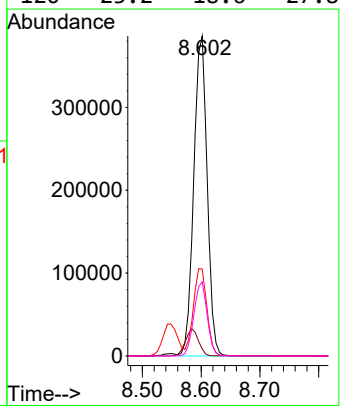
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

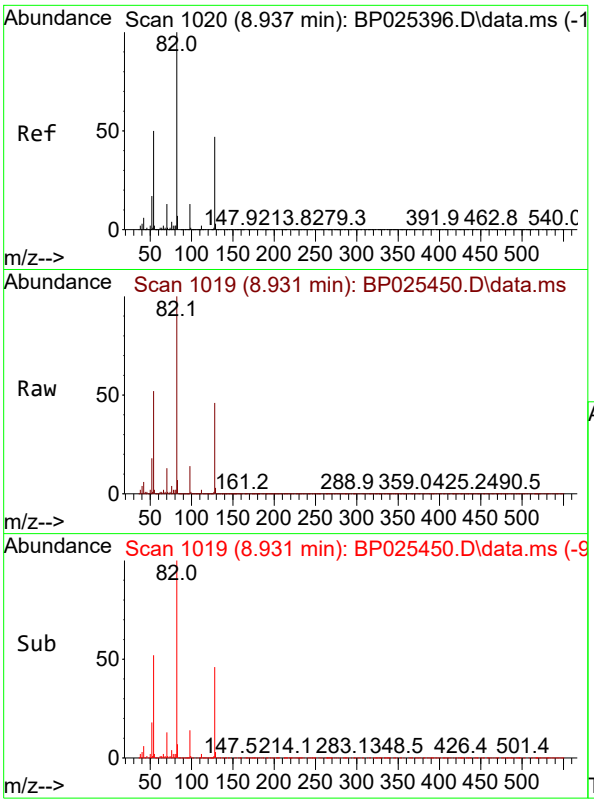


#22
Acetophenone
Concen: 38.949 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:105 Resp: 611367

Ion	Ratio	Lower	Upper
105	100		
71	2.2	2.6	4.0#
51	27.1	20.6	30.8
120	23.2	18.6	27.8

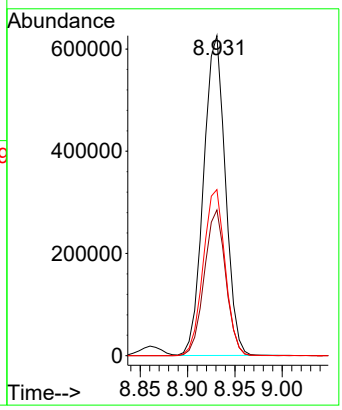




#23
Nitrobenzene-d5
Concen: 80.759 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 82 Resp: 99925

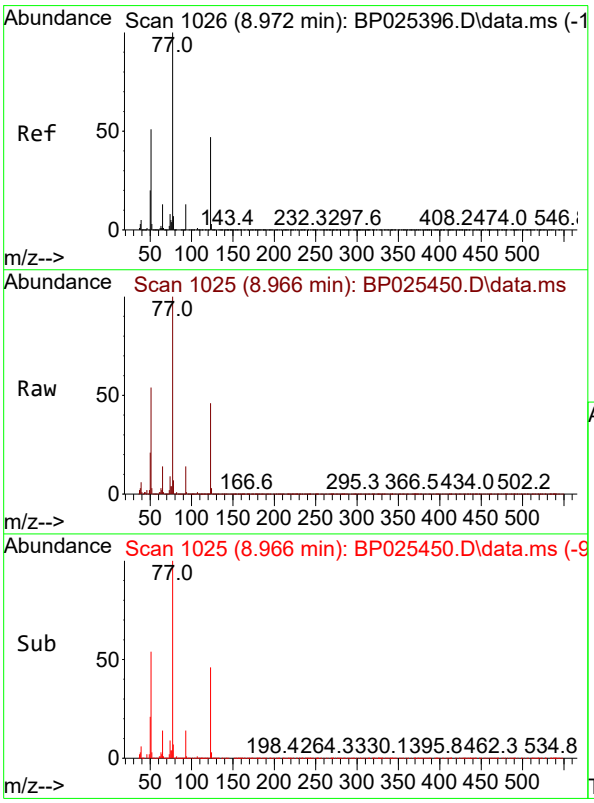
Ion	Ratio	Lower	Upper
82	100		
128	45.6	37.7	56.5
54	51.9	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

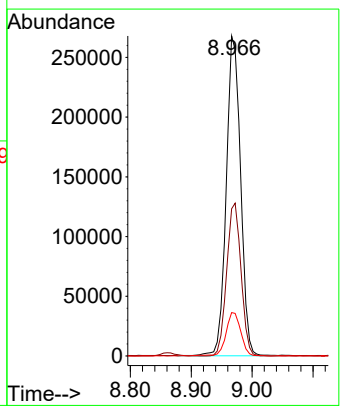
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

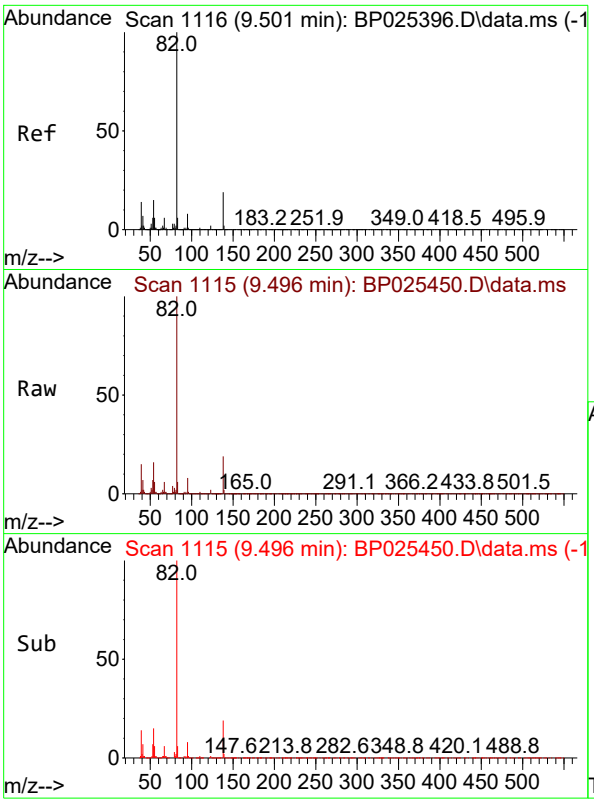


#24
Nitrobenzene
Concen: 39.637 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 77 Resp: 438312

Ion	Ratio	Lower	Upper
77	100		
123	46.0	38.6	58.0
65	13.6	10.6	15.8

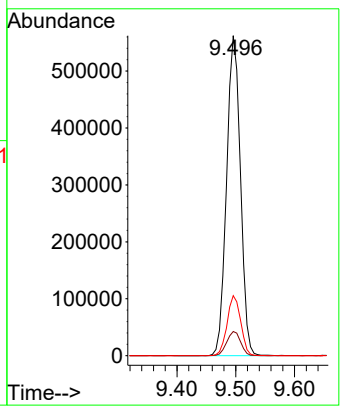




#25
Isophorone
Concen: 42.070 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 82 Resp: 92121

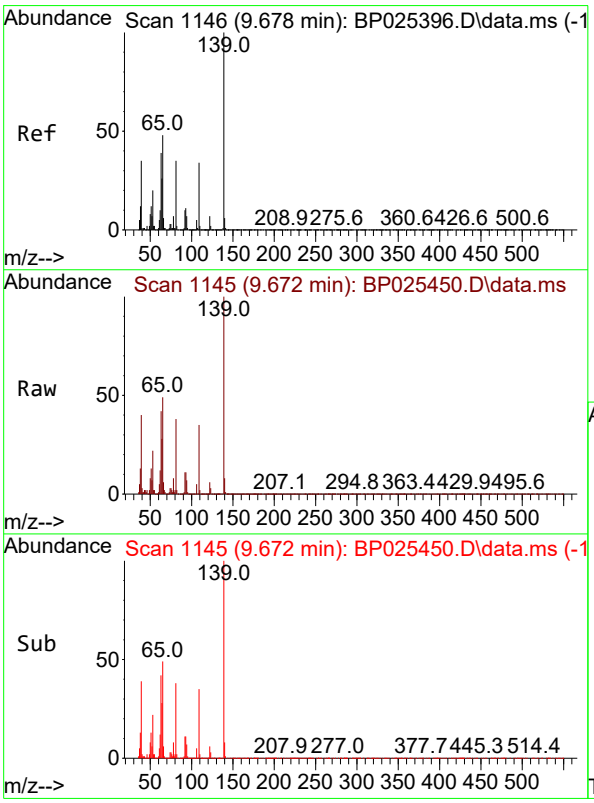
Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	18.7	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

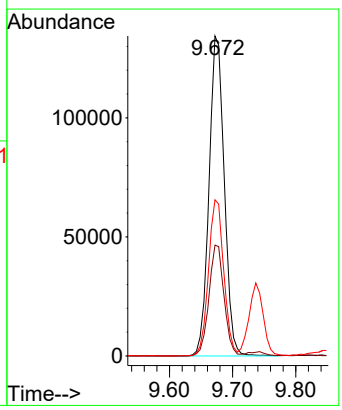
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

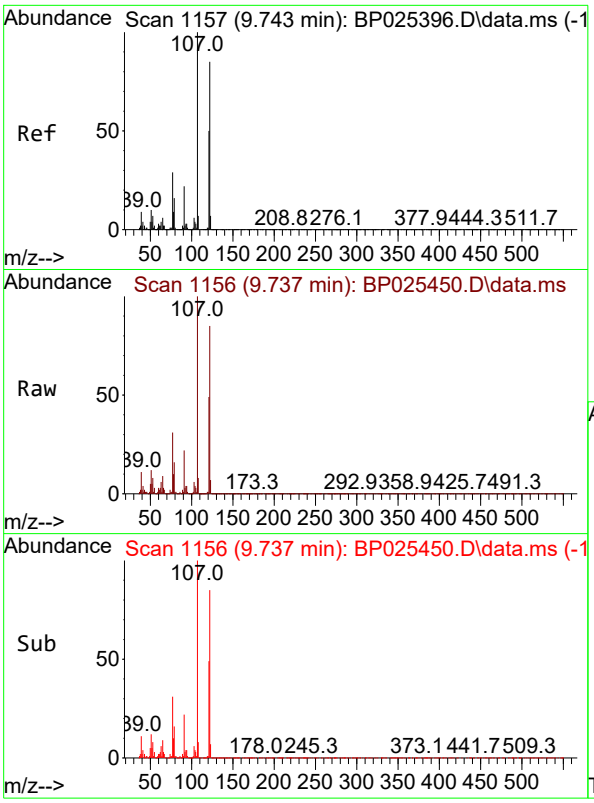


#26
2-Nitrophenol
Concen: 39.733 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:139 Resp: 225491

Ion	Ratio	Lower	Upper
139	100		
109	34.7	26.9	40.3
65	48.8	38.3	57.5

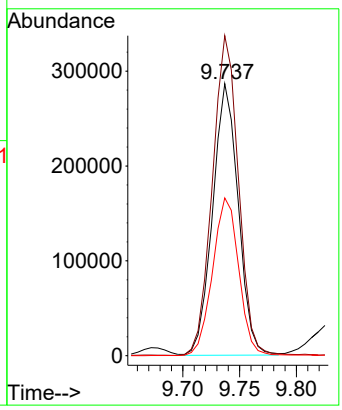




#27
2,4-Dimethylphenol
Concen: 45.990 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:122 Resp: 448844

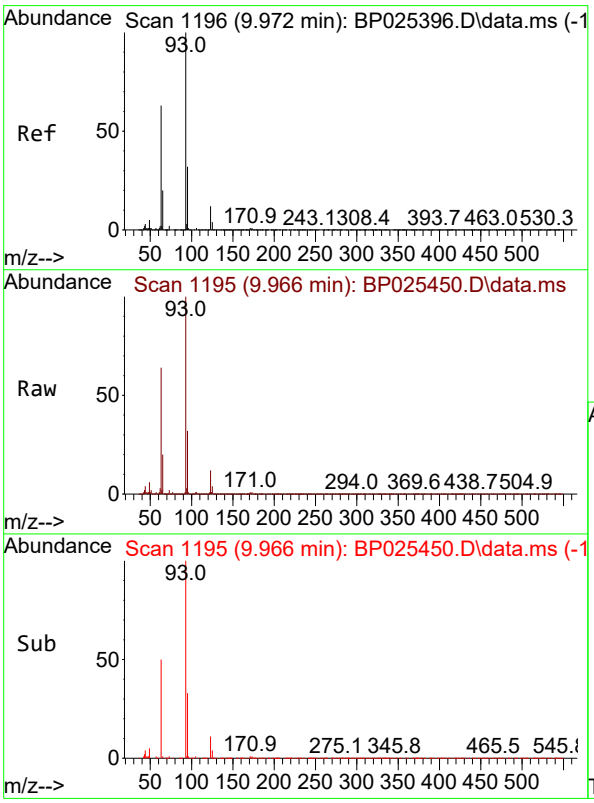
Ion	Ratio	Lower	Upper
122	100		
107	117.7	93.7	140.5
121	58.0	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

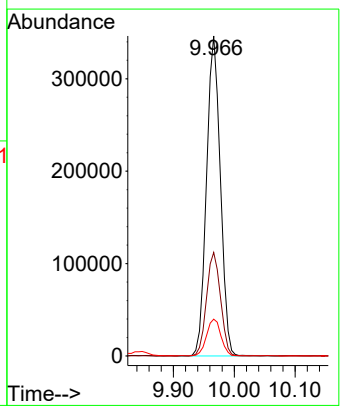
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

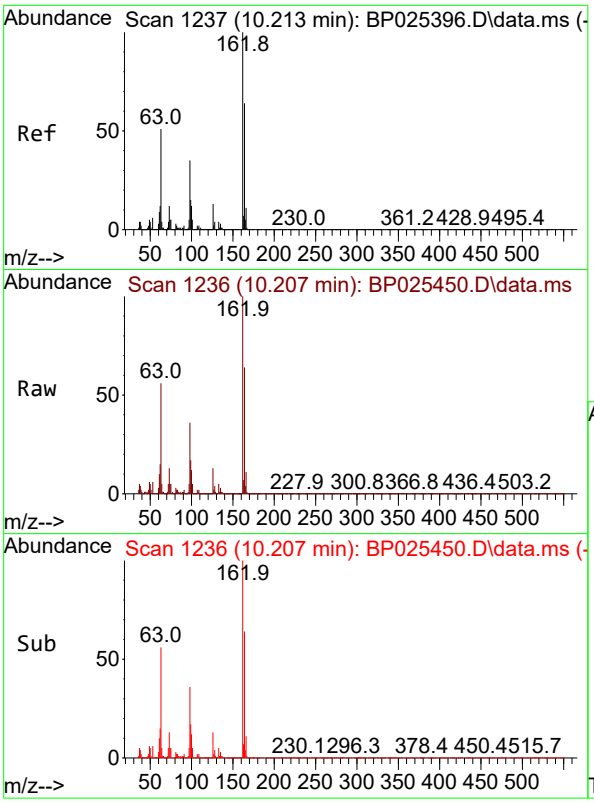


#28
bis(2-Chloroethoxy)methane
Concen: 41.243 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 93 Resp: 545917

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.4	38.0
123	11.5	9.4	14.0

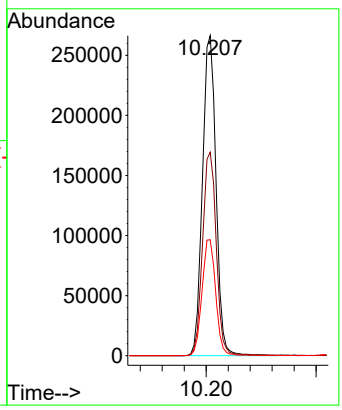




#29
2,4-Dichlorophenol
Concen: 47.015 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:162 Resp: 45581

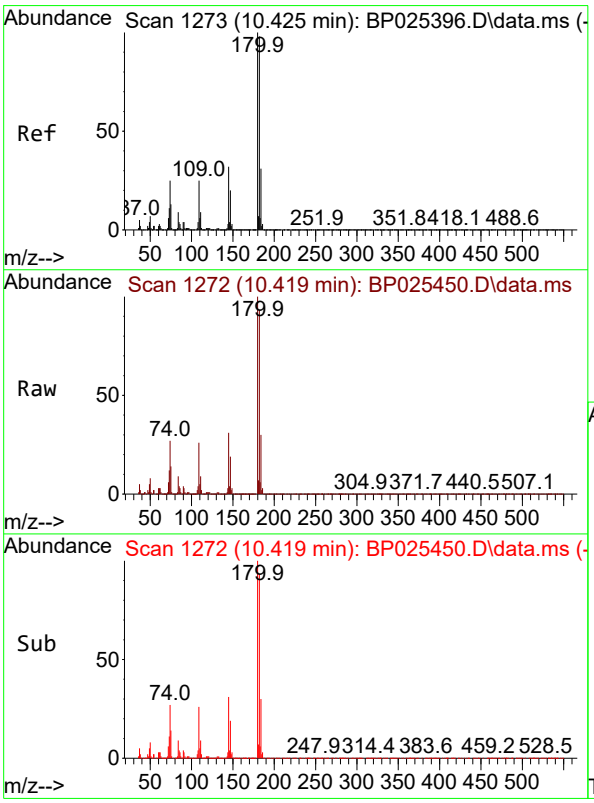
Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.4	84.4
98	36.3	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

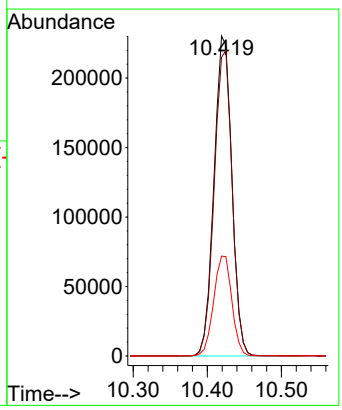
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

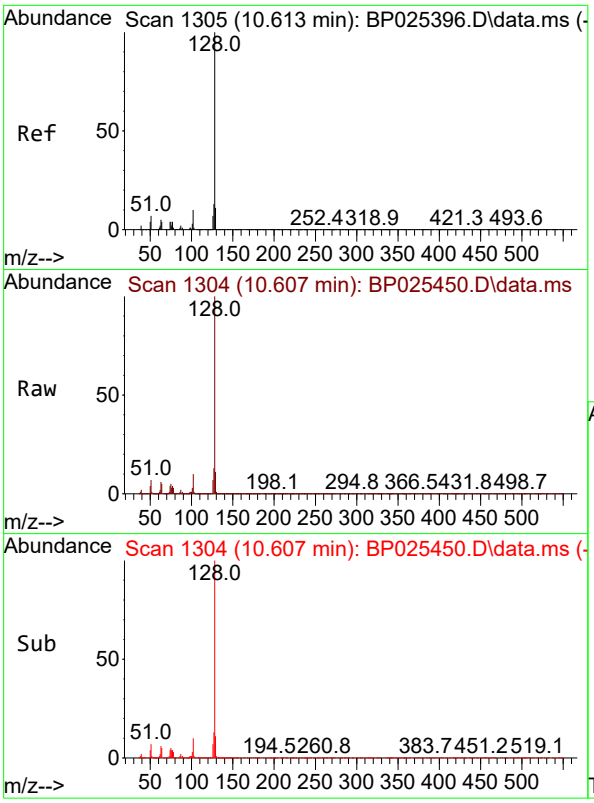


#30
1,2,4-Trichlorobenzene
Concen: 36.265 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:180 Resp: 385424

Ion	Ratio	Lower	Upper
180	100		
182	93.4	78.0	117.0
145	31.2	25.9	38.9

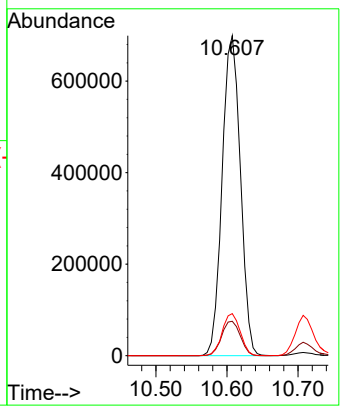




#31
Naphthalene
Concen: 38.281 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:128 Resp: 124534

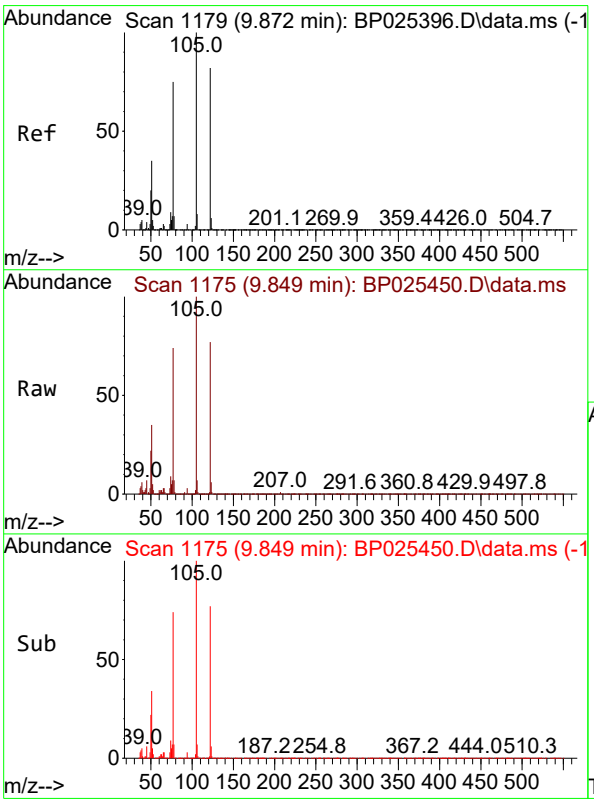
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

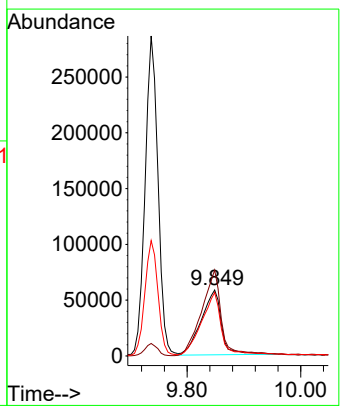
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

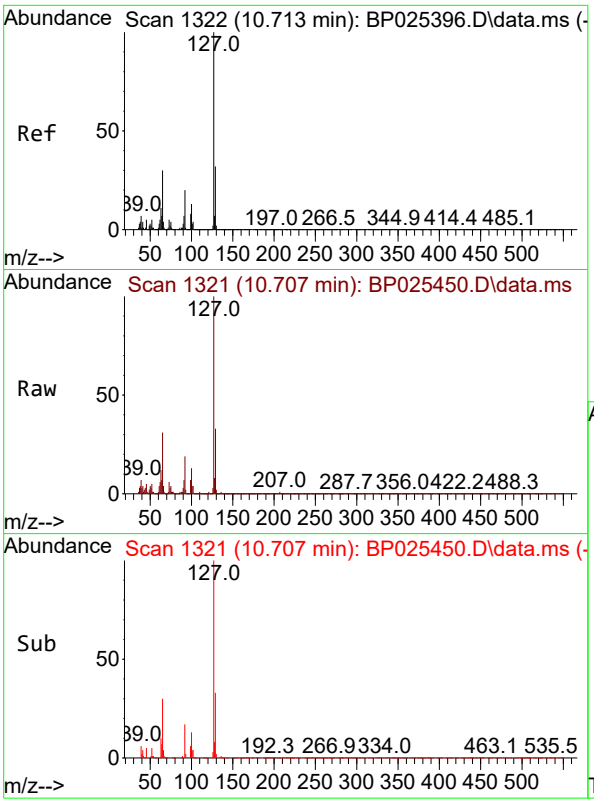


#32
Benzoic acid
Concen: 19.917 ng
RT: 9.849 min Scan# 1175
Delta R.T. -0.023 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:122 Resp: 143510

Ion	Ratio	Lower	Upper
122	100		
105	130.2	100.6	140.6
77	96.2	71.5	111.5

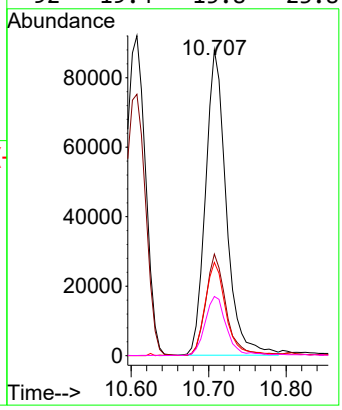




#33
4-Chloroaniline
Concen: 11.378 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:127 Resp: 16350

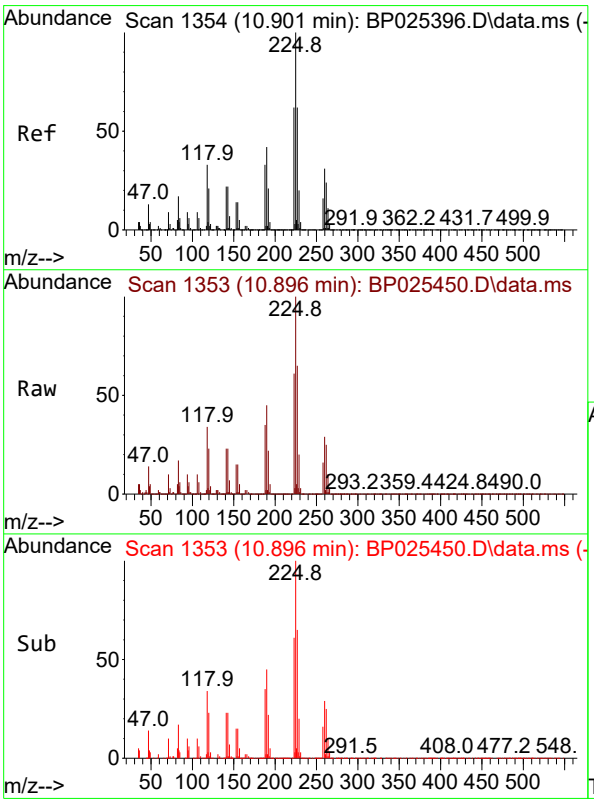
Ion	Ratio	Lower	Upper
127	100		
129	33.2	25.4	38.2
65	30.5	23.8	35.6
92	19.4	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

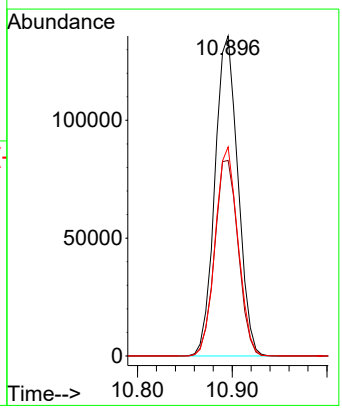
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

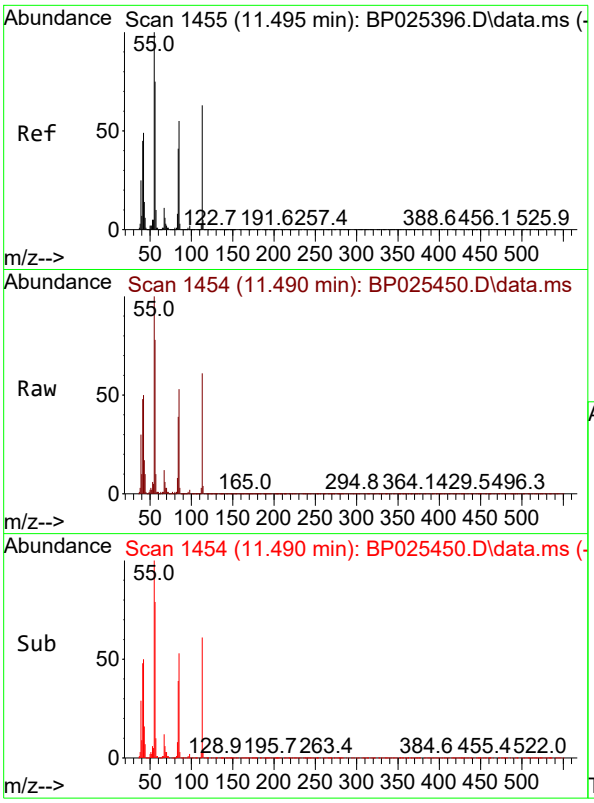


#34
Hexachlorobutadiene
Concen: 34.625 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:225 Resp: 229173

Ion	Ratio	Lower	Upper
225	100		
223	61.1	50.0	75.0
227	65.3	49.7	74.5

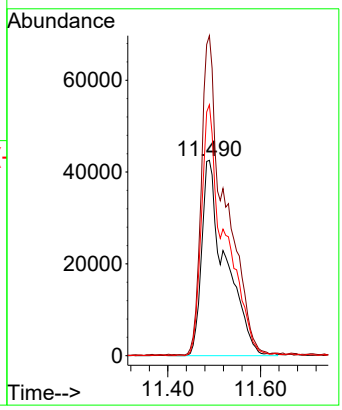




#35
Caprolactam
Concen: 42.792 ng m
RT: 11.490 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:113 Resp: 15212

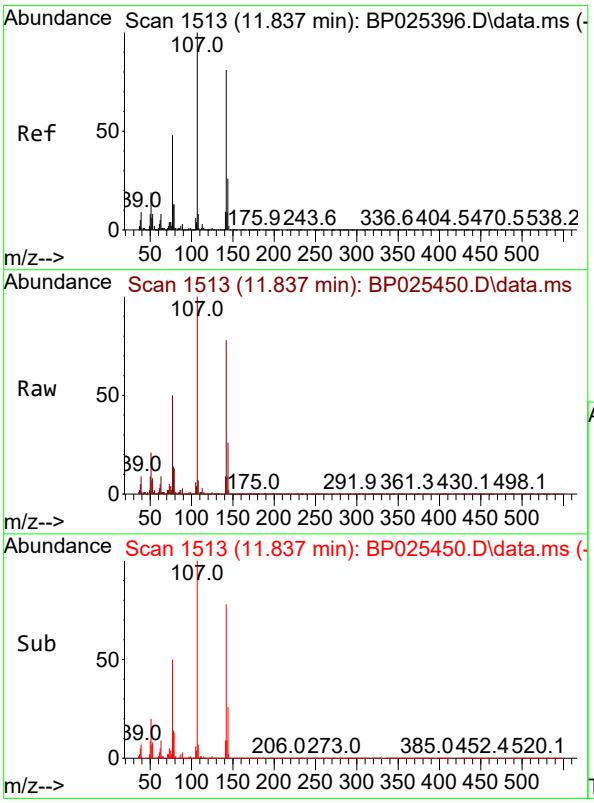
Ion	Ratio	Lower	Upper
113	100		
55	163.8	140.0	180.0
56	128.4	100.0	140.0



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

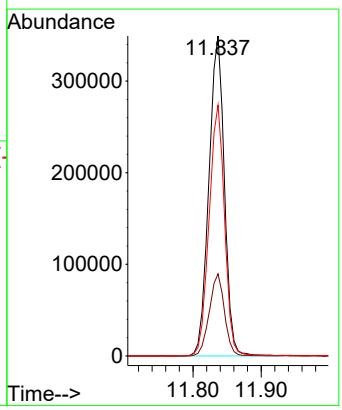
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

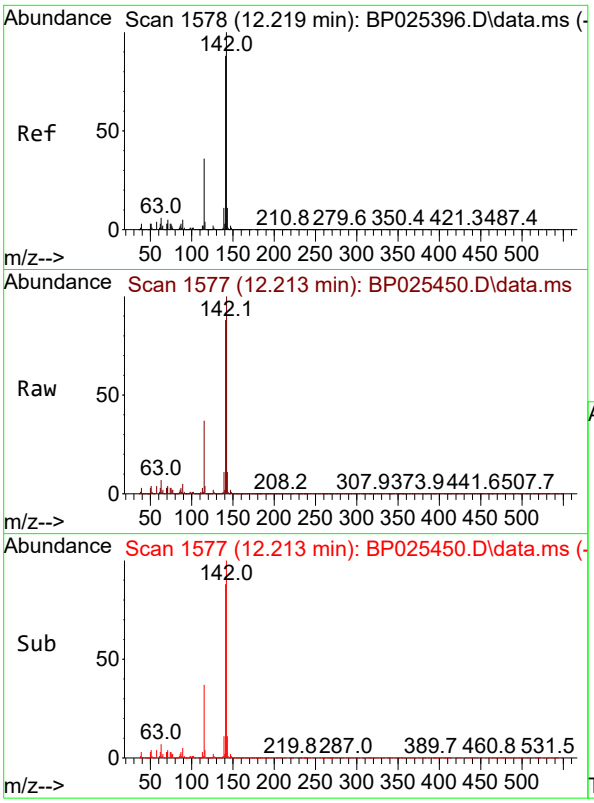


#36
4-Chloro-3-methylphenol
Concen: 49.683 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:107 Resp: 552710

Ion	Ratio	Lower	Upper
107	100		
144	25.6	21.0	31.4
142	78.4	64.6	97.0





#37
2-Methylnaphthalene
Concen: 41.550 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

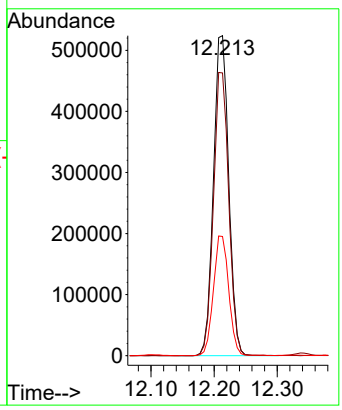
Tgt Ion:142 Resp: 87963

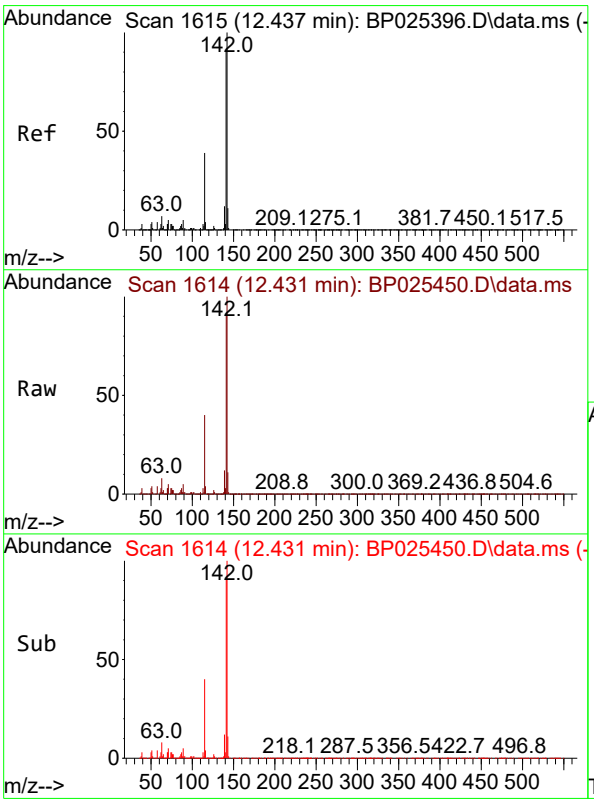
Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	37.3	28.9	43.3

Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

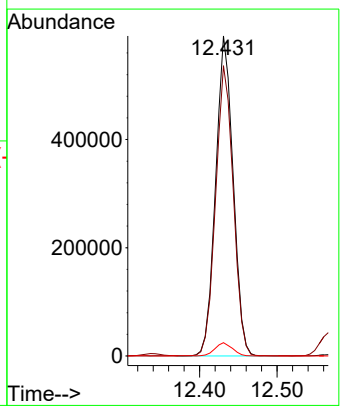


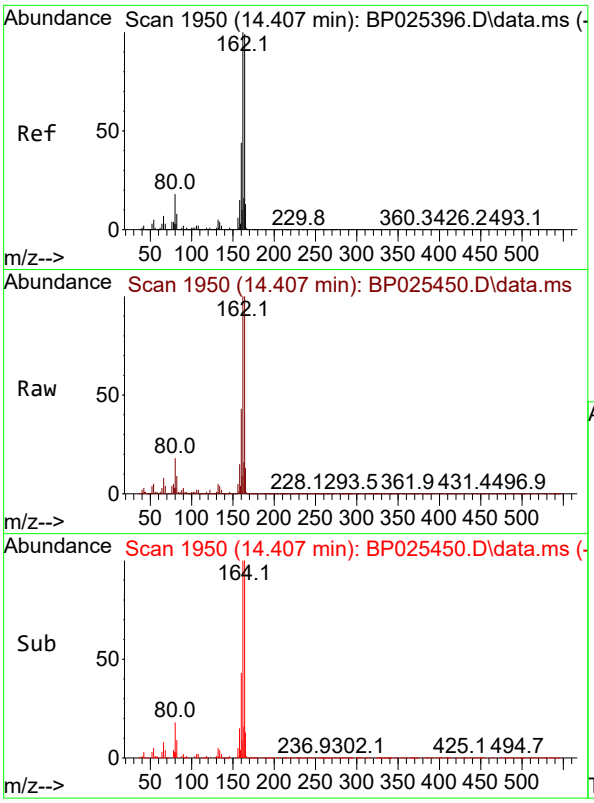


#38
1-Methylnaphthalene
Concen: 41.140 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:142 Resp: 926237

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.1	109.7
116	4.2	3.2	4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

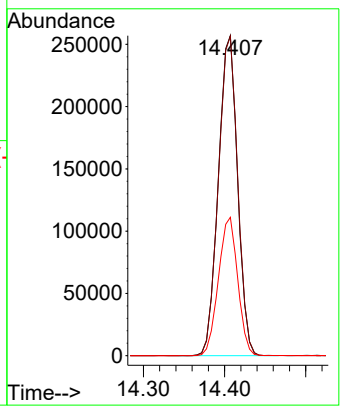
Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

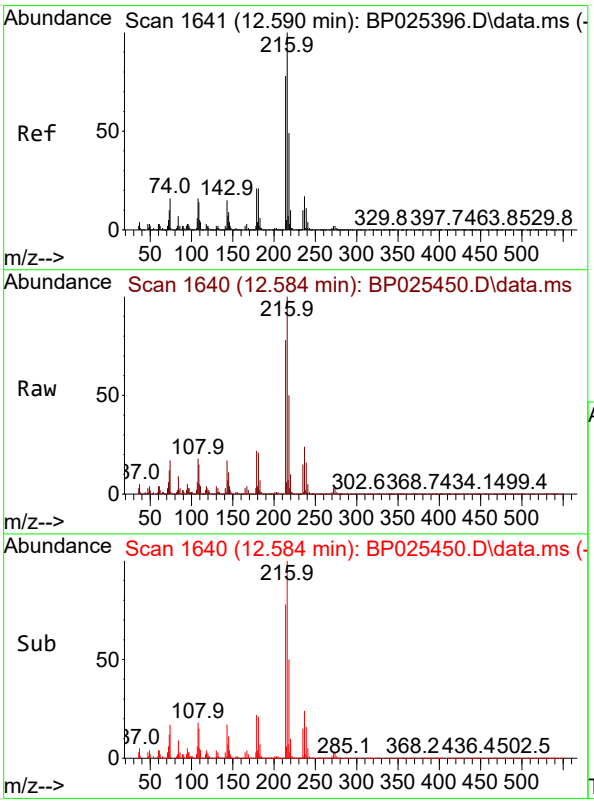
Tgt Ion:164 Resp: 42265

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.0	121.6
160	43.3	35.4	53.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

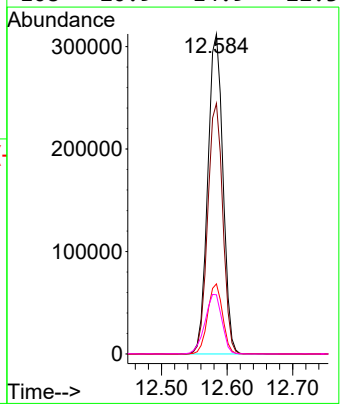


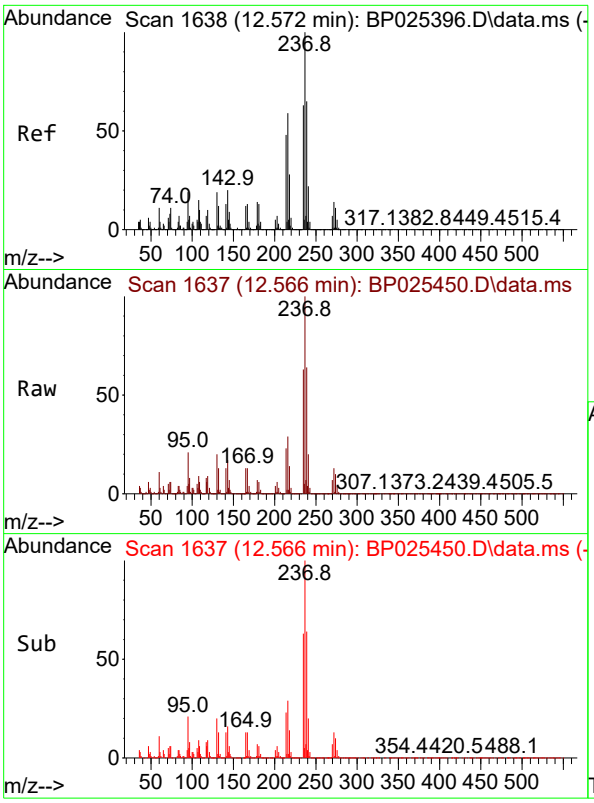


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.162 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:216 Resp: 502447

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.0	94.4
179	21.6	17.1	25.7
108	20.9	14.9	22.3

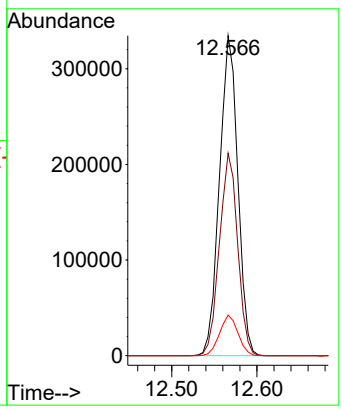




#41
Hexachlorocyclopentadiene
Concen: 67.868 ng
RT: 12.566 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:237 Resp: 50041(

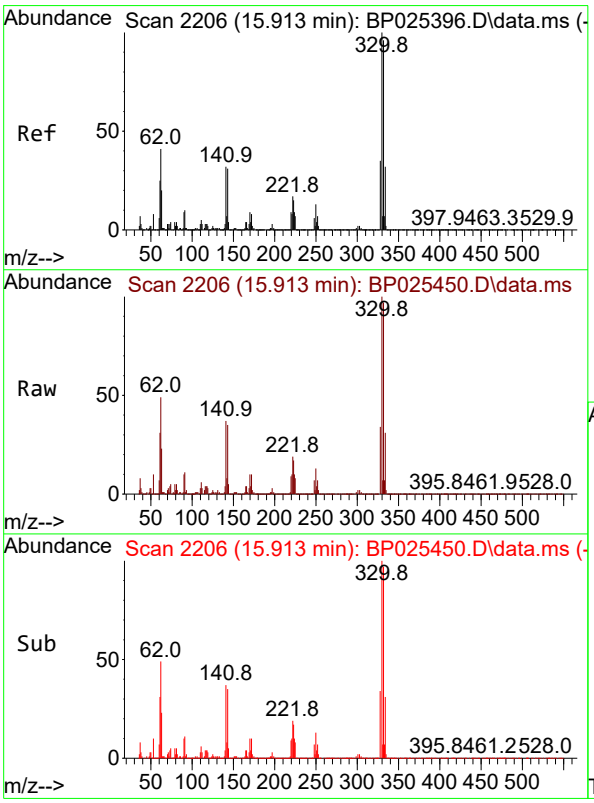
Ion	Ratio	Lower	Upper
237	100		
235	63.3	42.7	82.7
272	12.7	0.0	34.0



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

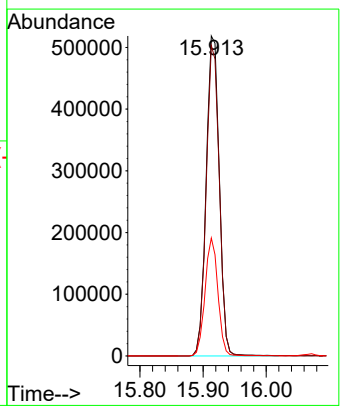
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

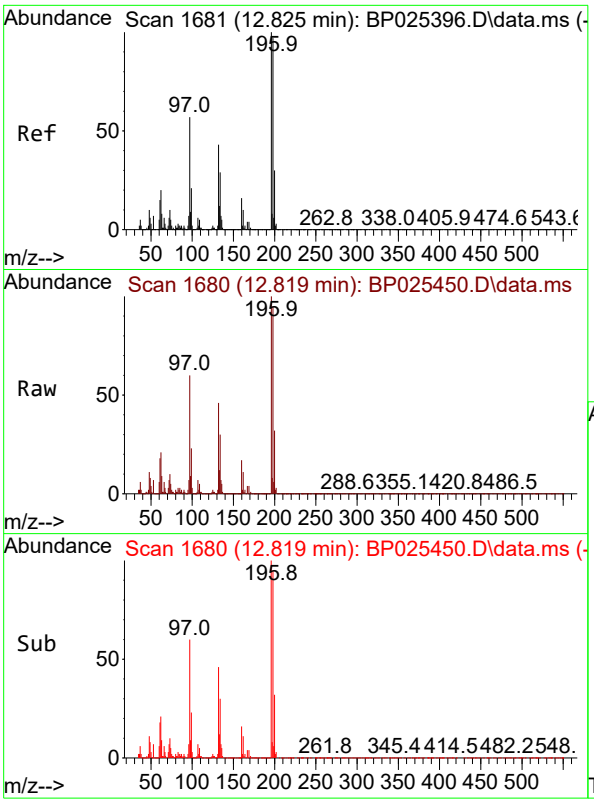


#42
2,4,6-Tribromophenol
Concen: 132.109 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:330 Resp: 751556

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	36.1	26.6	39.8

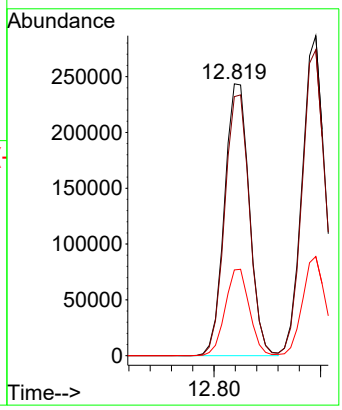




#43
2,4,6-Trichlorophenol
Concen: 47.889 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:196 Resp: 39464

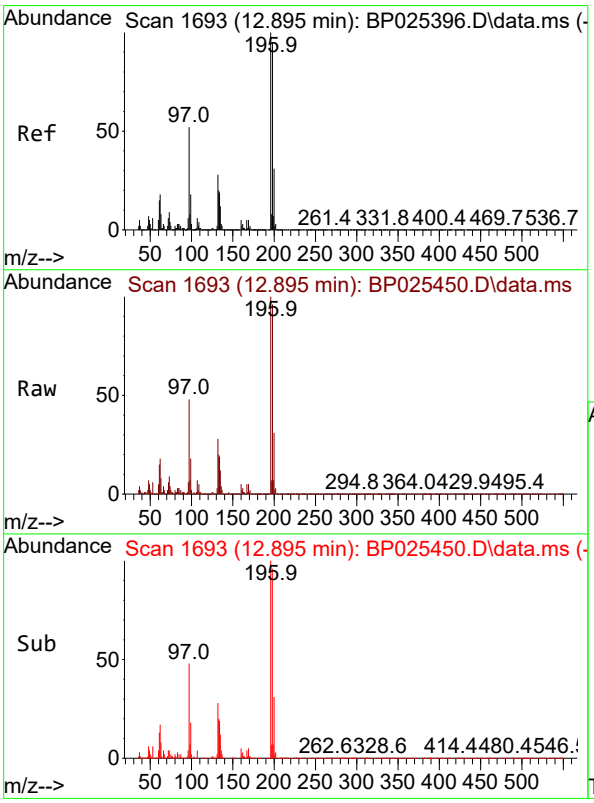
Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.2	115.8
200	31.5	23.9	35.9



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

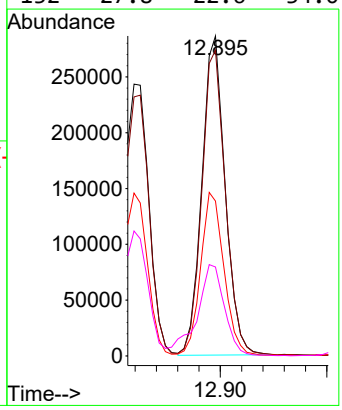
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

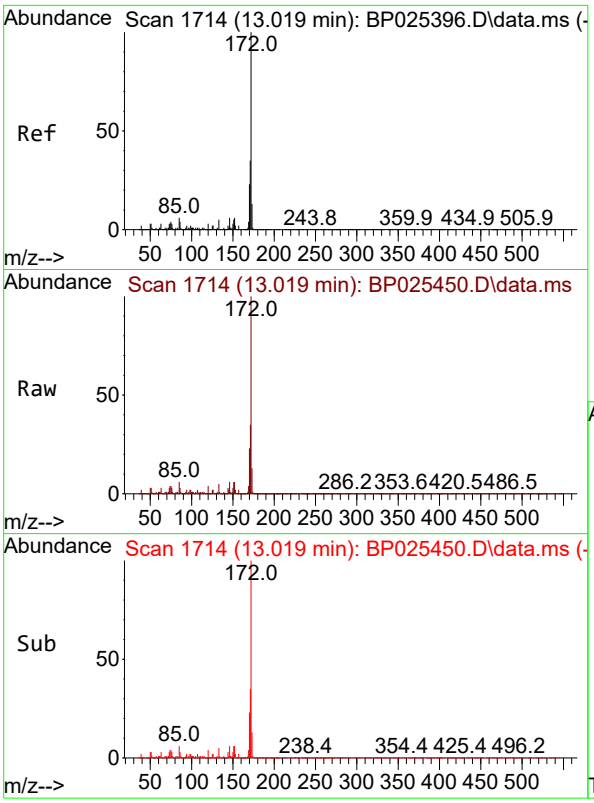


#44
2,4,5-Trichlorophenol
Concen: 48.080 ng
RT: 12.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:196 Resp: 434241

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.2	114.2
97	48.4	41.2	61.8
132	27.8	22.6	34.0

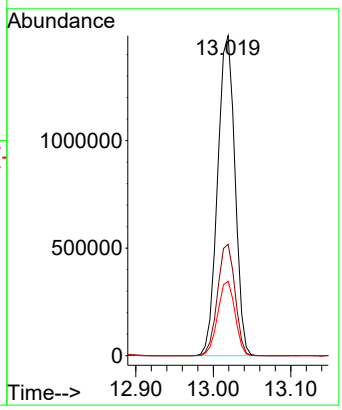




#45
2-Fluorobiphenyl
Concen: 74.854 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:172 Resp: 231486

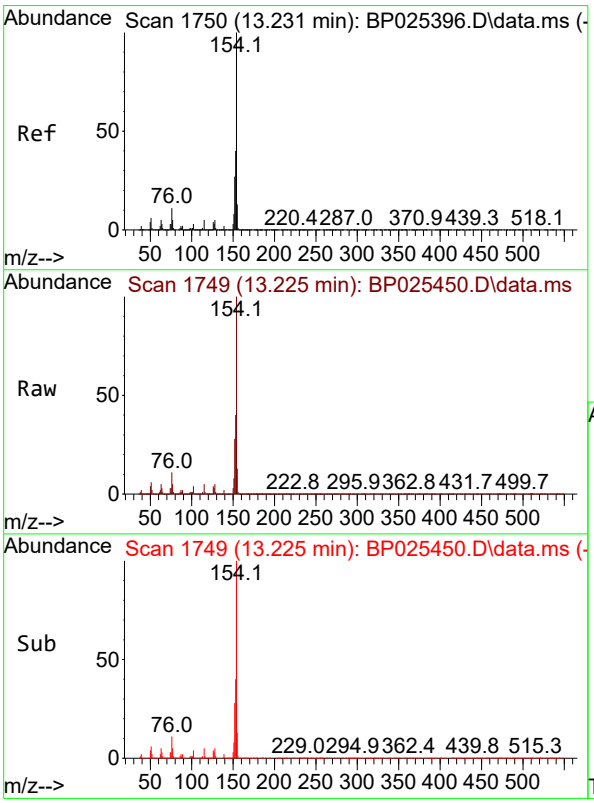
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	23.3	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

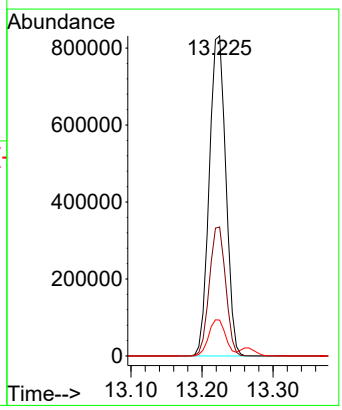
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

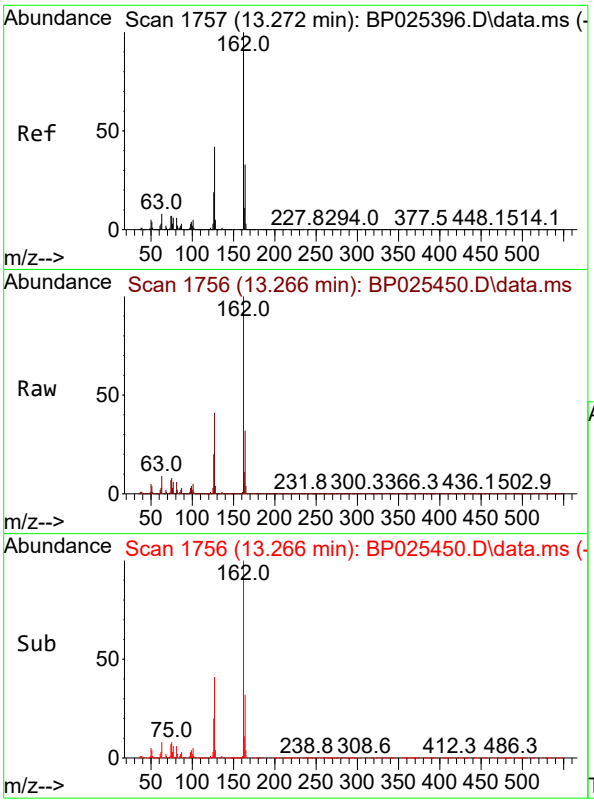


#46
1,1'-Biphenyl
Concen: 43.814 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:154 Resp: 1344882

Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.5	59.5
76	11.2	0.0	31.1

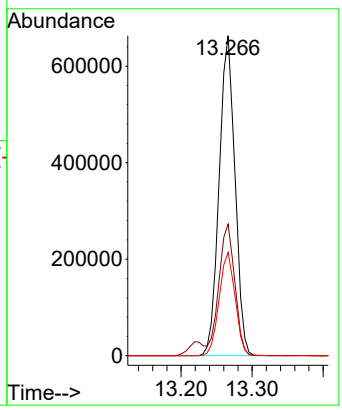




#47
2-Chloronaphthalene
Concen: 42.838 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:162 Resp: 102366

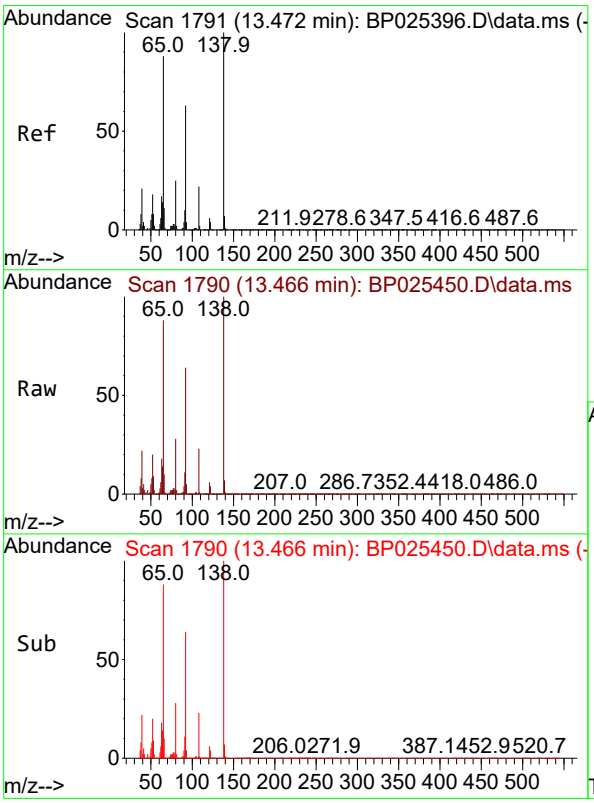
Ion	Ratio	Lower	Upper
162	100		
127	41.1	33.4	50.2
164	32.2	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

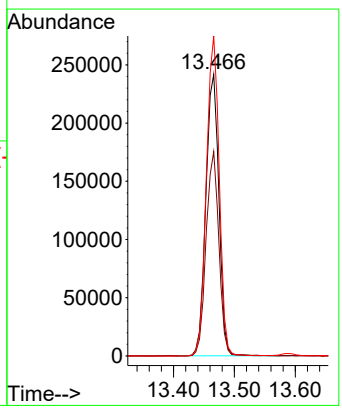
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

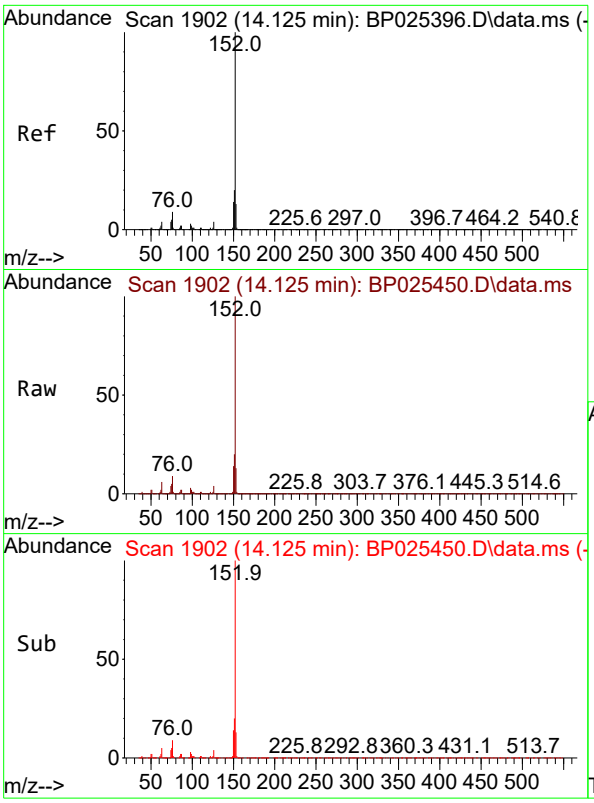


#48
2-Nitroaniline
Concen: 51.733 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 65 Resp: 360205

Ion	Ratio	Lower	Upper
65	100		
92	72.5	57.6	86.4
138	113.6	91.0	136.6





#49
Acenaphthylene
Concen: 44.582 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

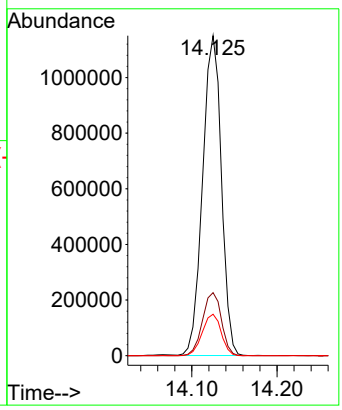
Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

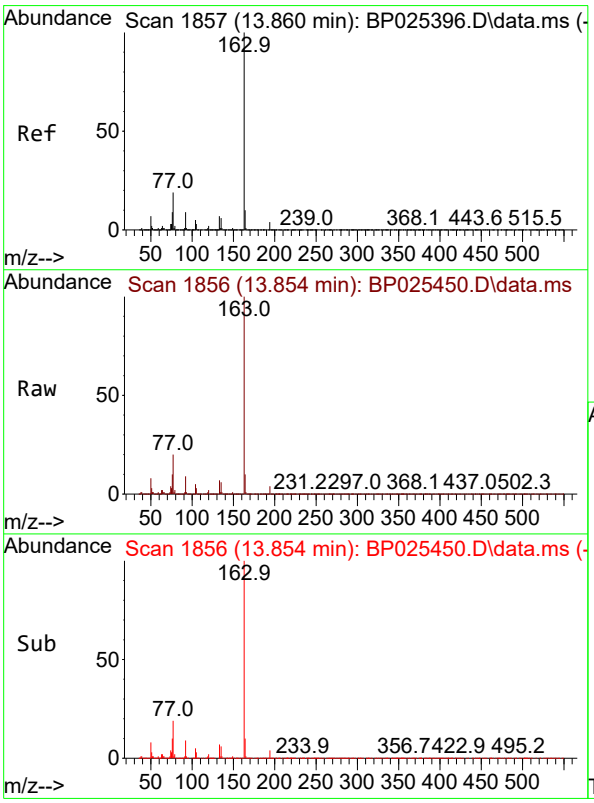
Tgt Ion:152 Resp: 176281

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.0	10.6	15.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

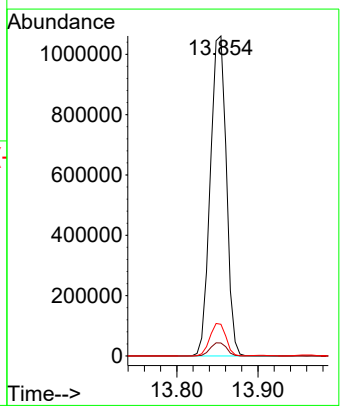


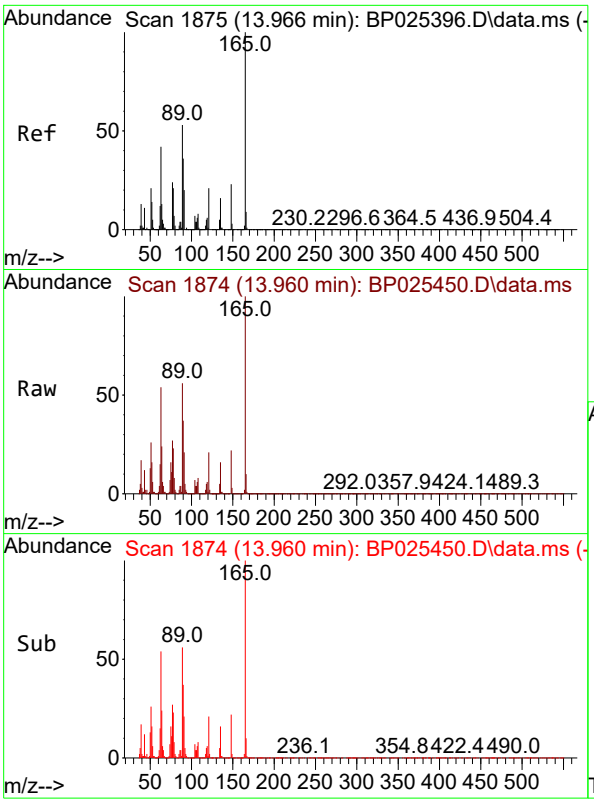


#50
Dimethylphthalate
Concen: 46.974 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:163 Resp: 1453848

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 49.742 ng
RT: 13.960 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

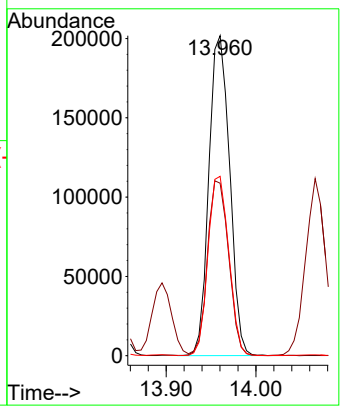
Tgt Ion:165 Resp: 32448

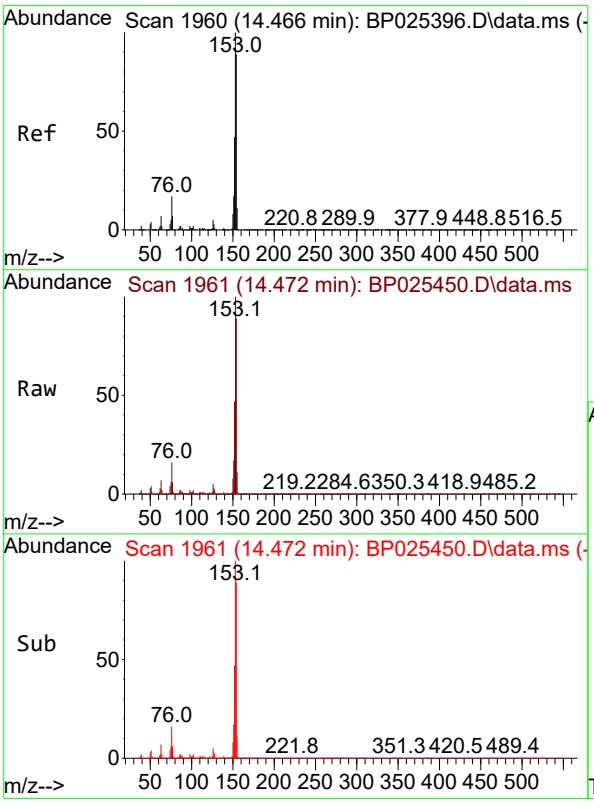
Ion	Ratio	Lower	Upper
165	100		
63	53.9	40.9	61.3
89	56.0	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

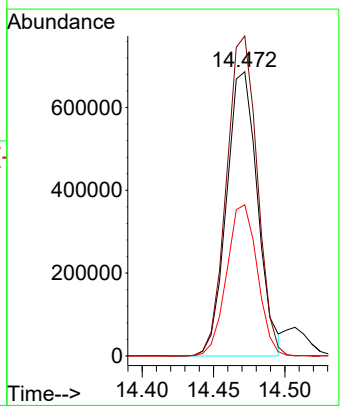


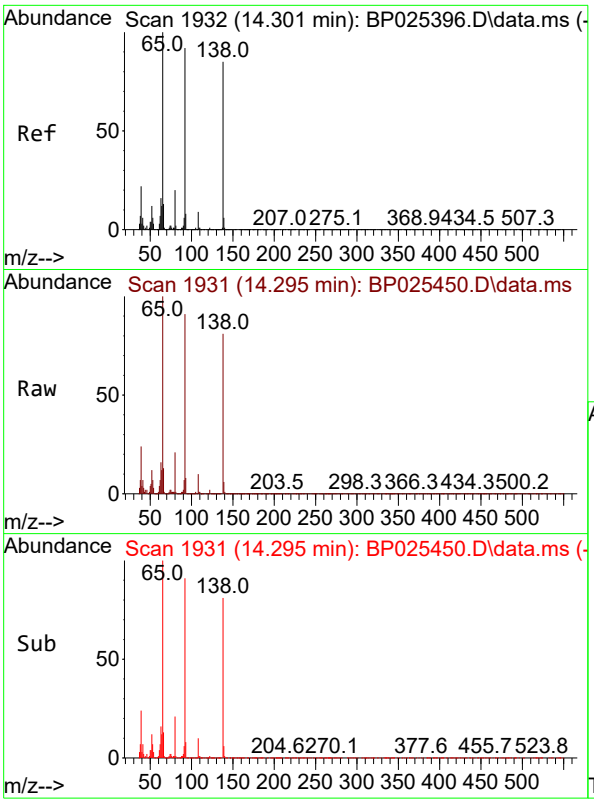


#52
Acenaphthene
Concen: 44.812 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:154 Resp: 1040070

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.2	135.2
152	53.2	42.1	63.1





#53
3-Nitroaniline
Concen: 29.847 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

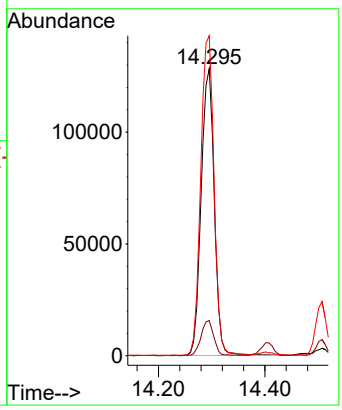
Tgt Ion:138 Resp: 21906

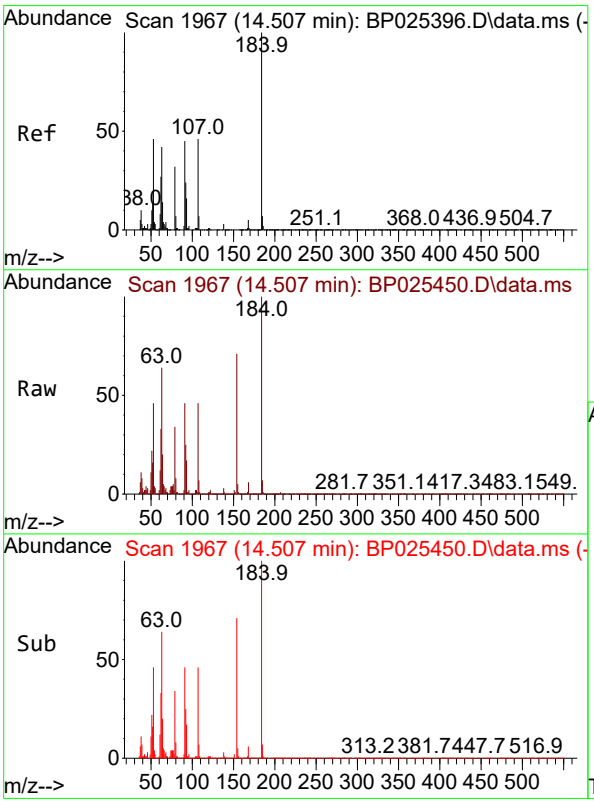
Ion	Ratio	Lower	Upper
138	100		
108	12.3	8.3	12.5
92	111.5	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

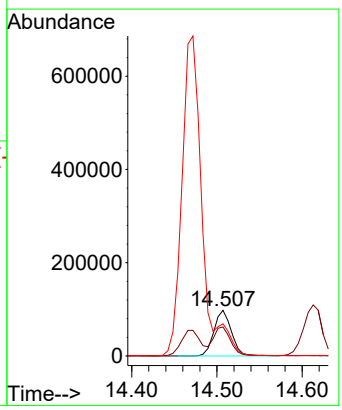


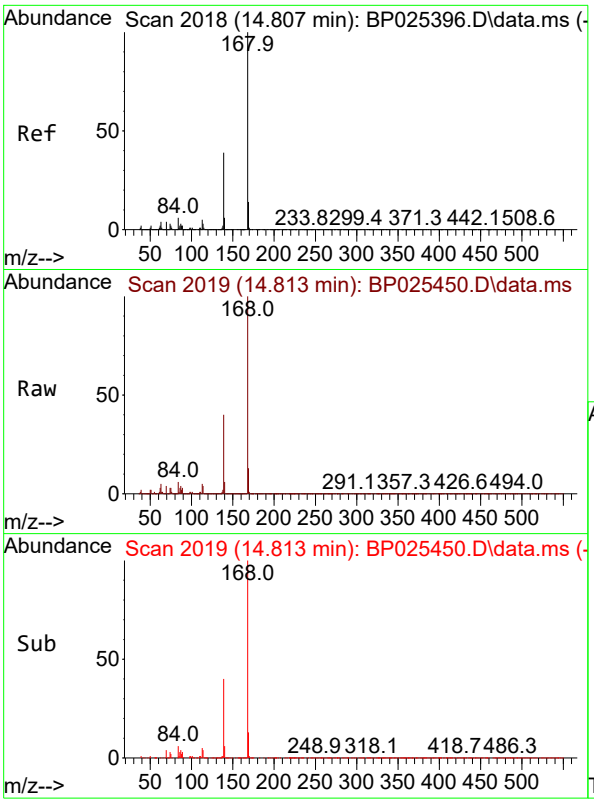


#54
2,4-Dinitrophenol
Concen: 40.229 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:184 Resp: 140145

Ion	Ratio	Lower	Upper
184	100		
63	63.7	49.4	74.2
154	70.6	54.6	82.0

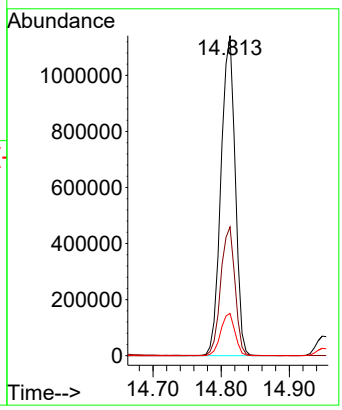




#55
Dibenzofuran
Concen: 45.165 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:168 Resp: 165733

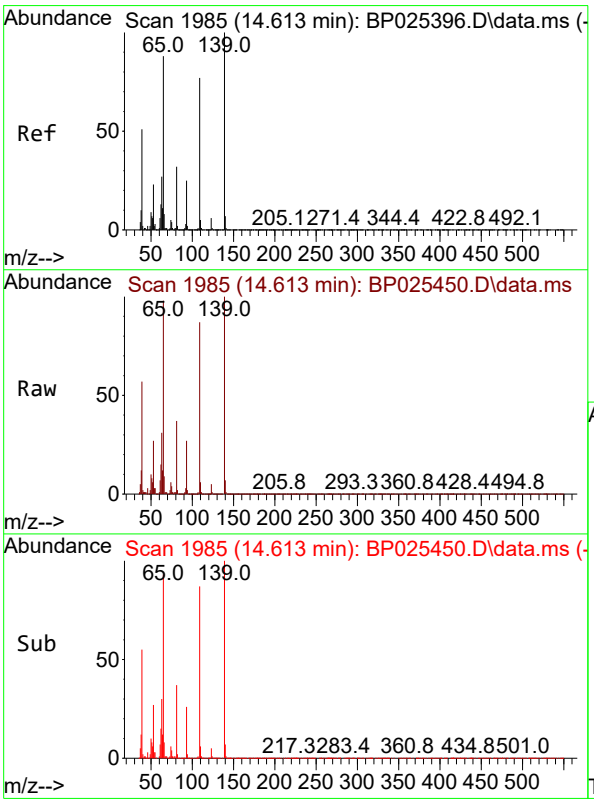
Ion	Ratio	Lower	Upper
168	100		
139	40.3	31.5	47.3
169	13.2	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

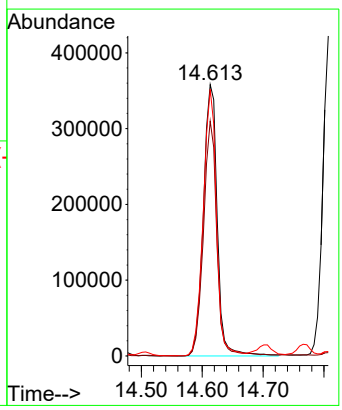
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

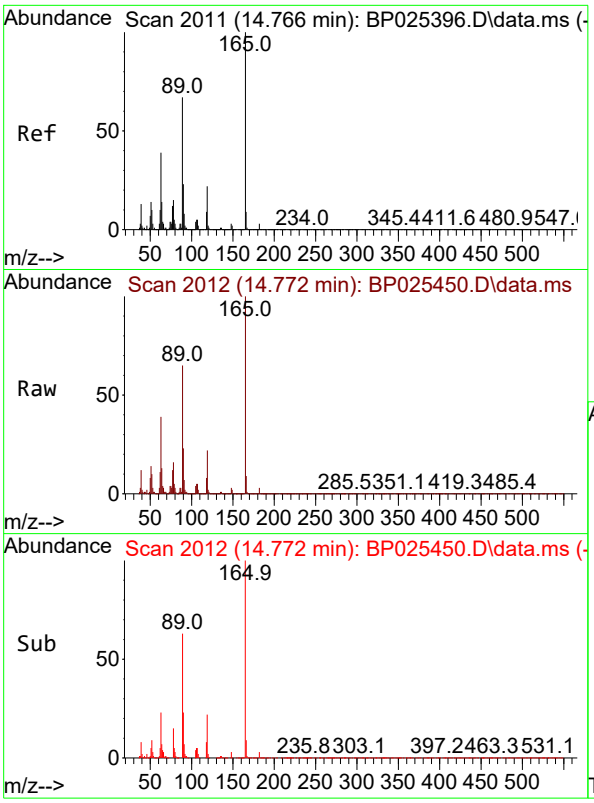


#56
4-Nitrophenol
Concen: 93.784 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:139 Resp: 565622

Ion	Ratio	Lower	Upper
139	100		
109	86.5	56.6	96.6
65	98.2	68.2	108.2

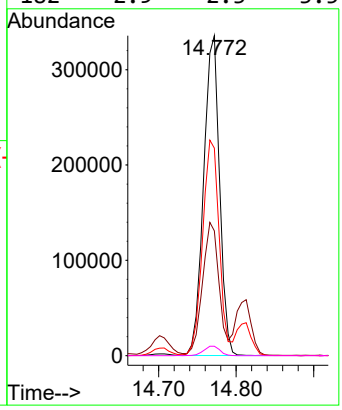




#57
2,4-Dinitrotoluene
Concen: 51.486 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:165 Resp: 47919

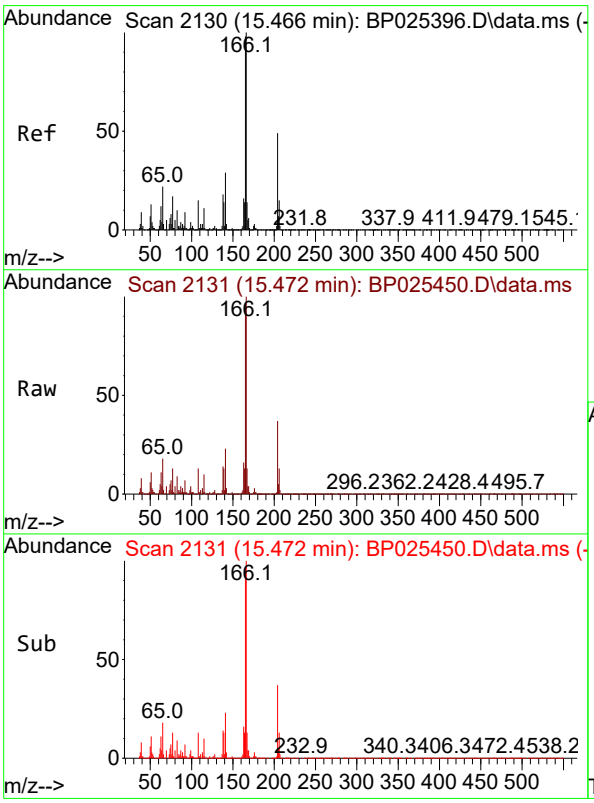
Ion	Ratio	Lower	Upper
165	100		
63	39.0	31.4	47.2
89	64.8	53.3	79.9
182	2.9	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

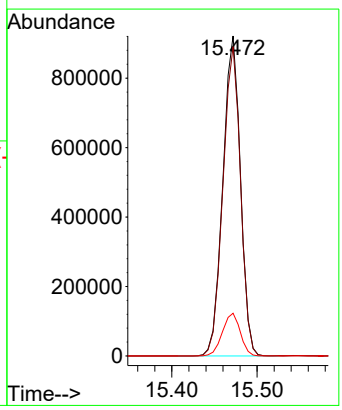
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

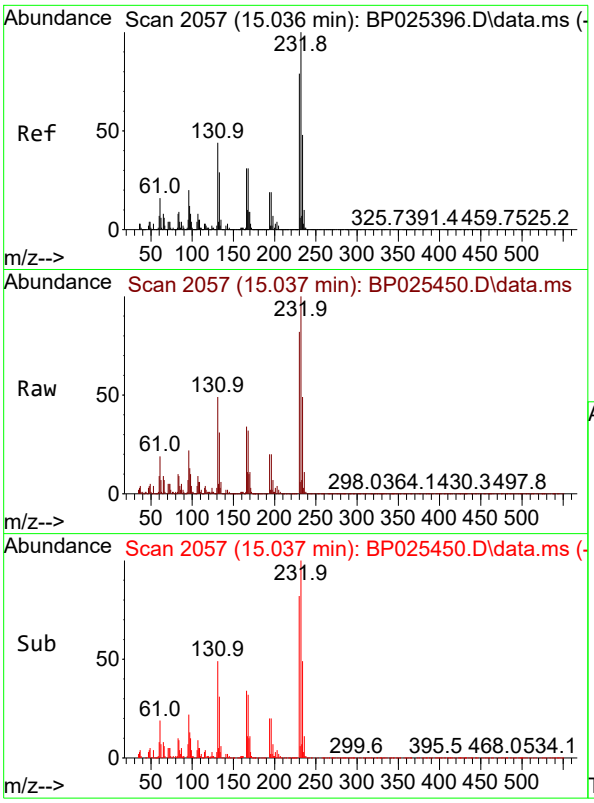


#58
Fluorene
Concen: 45.512 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:166 Resp: 1317796

Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.8	118.2
167	13.4	11.0	16.4

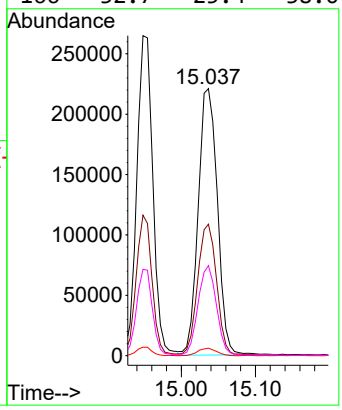




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.814 ng
RT: 15.037 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:232 Resp: 39725

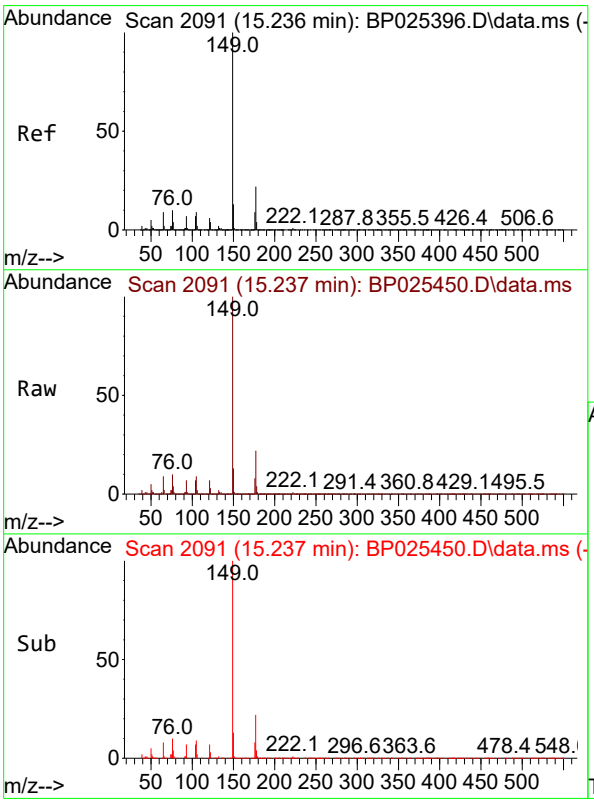
Ion	Ratio	Lower	Upper
232	100		
131	48.8	37.0	55.6
130	2.8	1.9	2.9
166	32.7	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

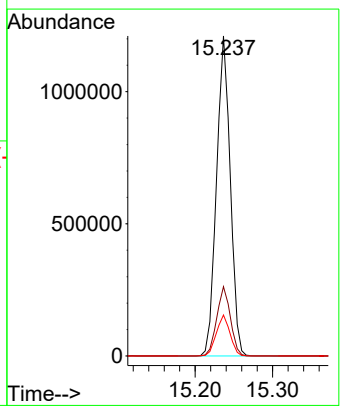
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

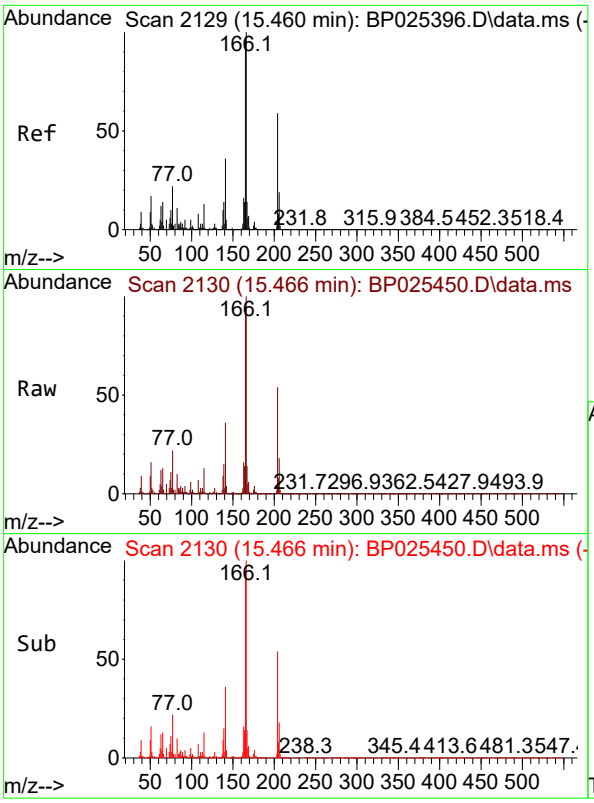


#60
Diethylphthalate
Concen: 47.420 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:149 Resp: 1491282

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.8	10.3	15.5

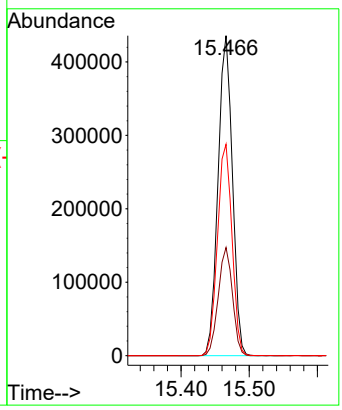




#61
4-Chlorophenyl-phenylether
Concen: 44.365 ng
RT: 15.466 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:204 Resp: 63886

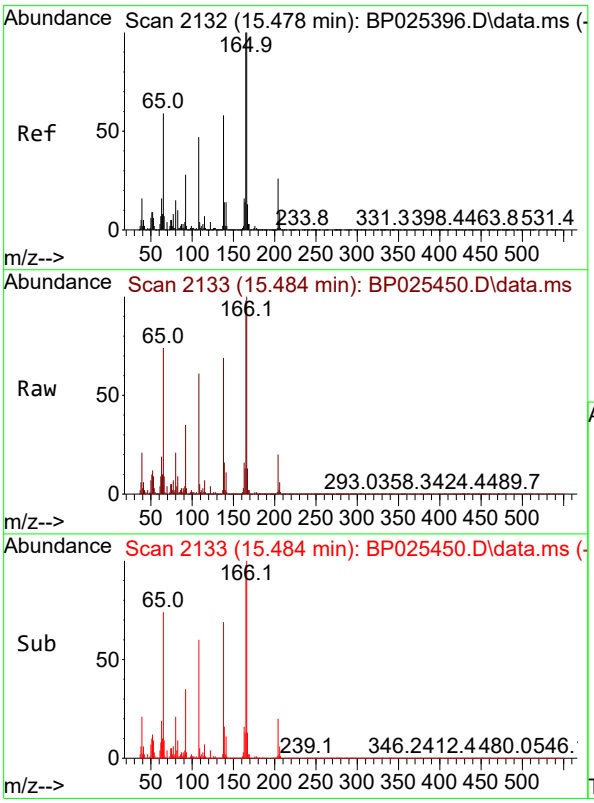
Ion	Ratio	Lower	Upper
204	100		
206	33.8	25.8	38.8
141	66.1	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

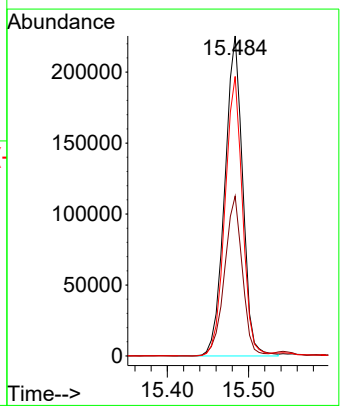
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

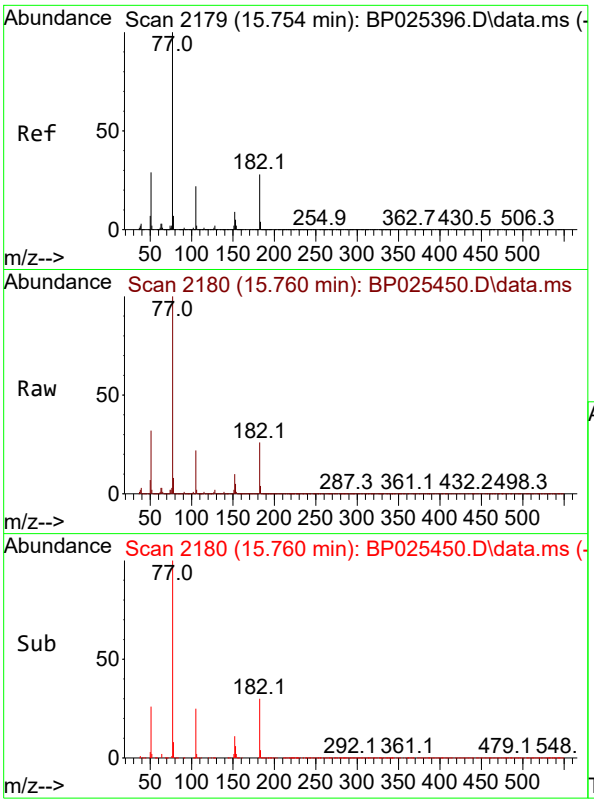


#62
4-Nitroaniline
Concen: 45.997 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:138 Resp: 346090

Ion	Ratio	Lower	Upper
138	100		
92	50.0	29.1	69.1
108	87.3	61.5	101.5

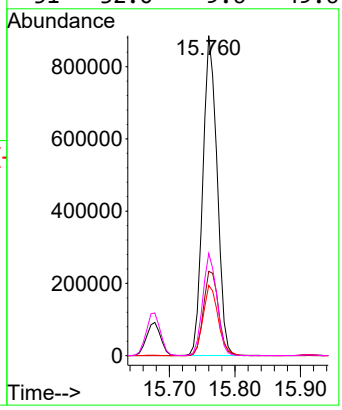




#63
Azobenzene
Concen: 49.773 ng
RT: 15.760 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion: 77 Resp: 134030

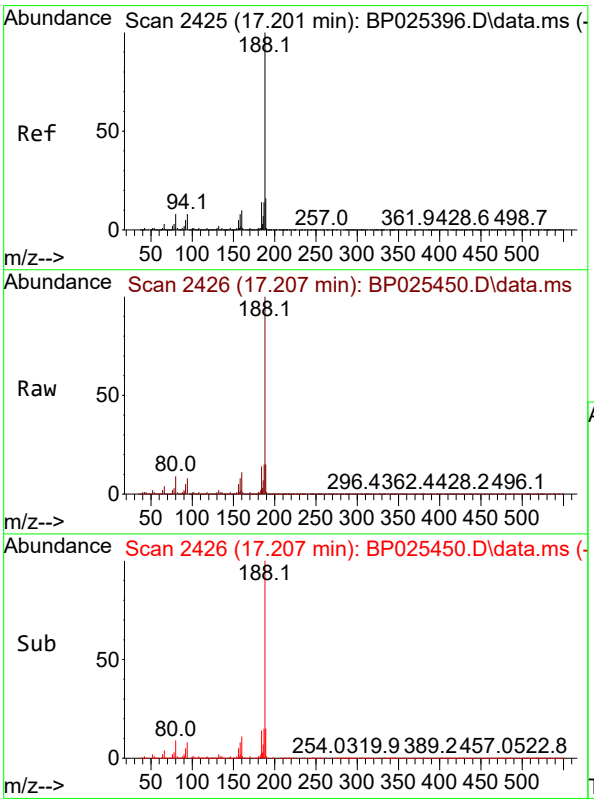
Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.5	47.5
105	21.9	2.1	42.1
51	32.0	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

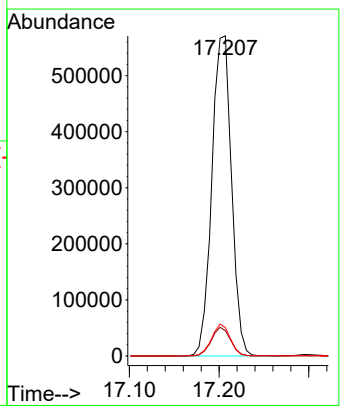
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

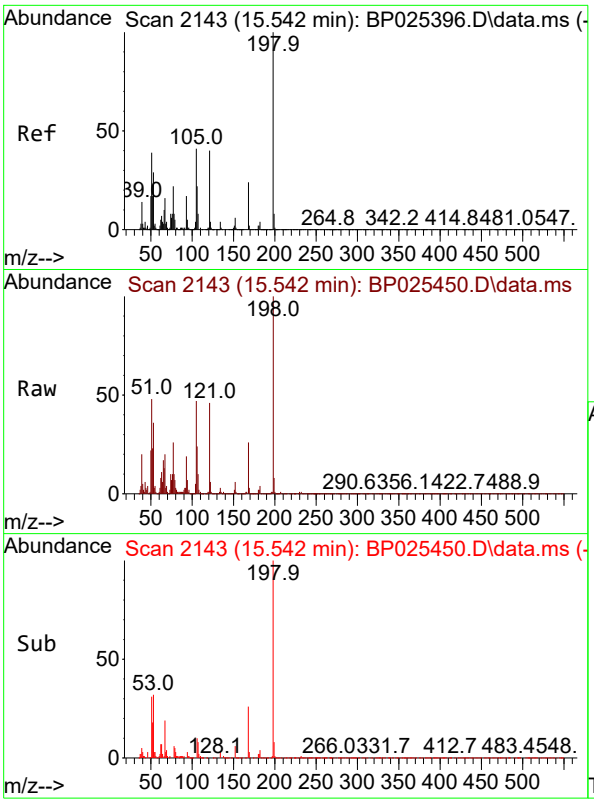


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:188 Resp: 867716

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.6	10.0
80	8.8	6.7	10.1

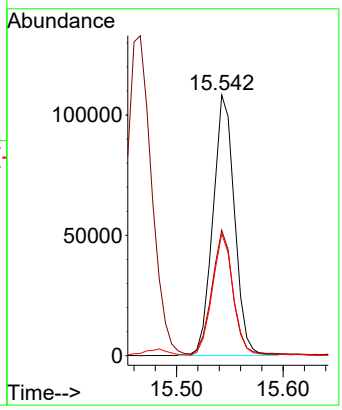




#65
4,6-Dinitro-2-methylphenol
Concen: 28.109 ng
RT: 15.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:198 Resp: 15203

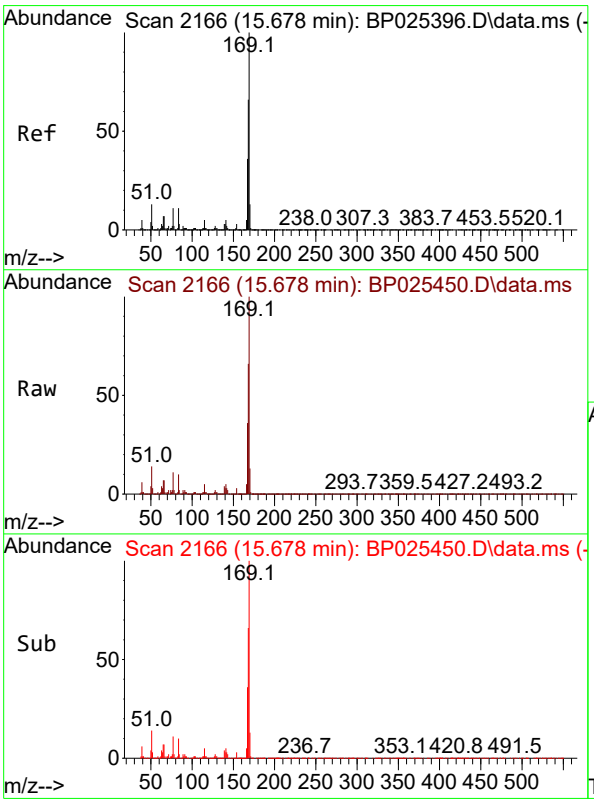
Ion	Ratio	Lower	Upper
198	100		
51	48.1	19.6	59.6
105	46.8	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

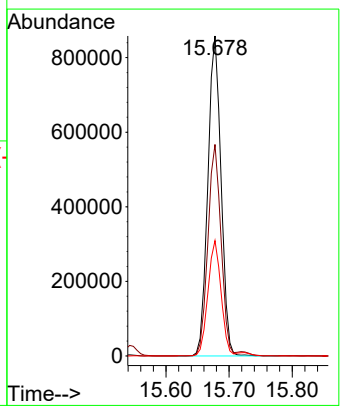
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

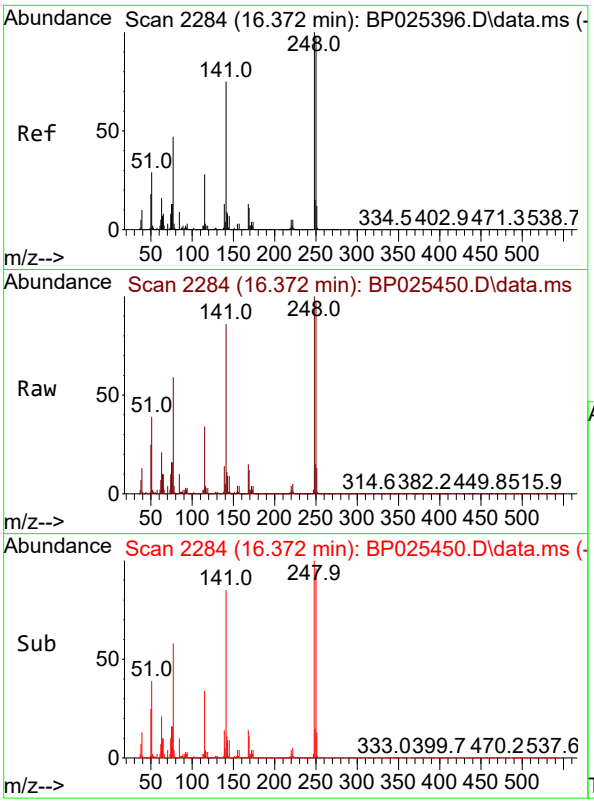


#66
n-Nitrosodiphenylamine
Concen: 47.084 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:169 Resp: 1245853

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.2	79.8
167	36.1	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 45.550 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

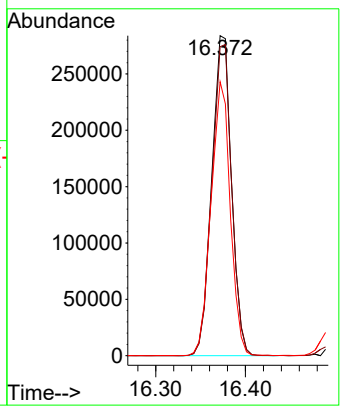
Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

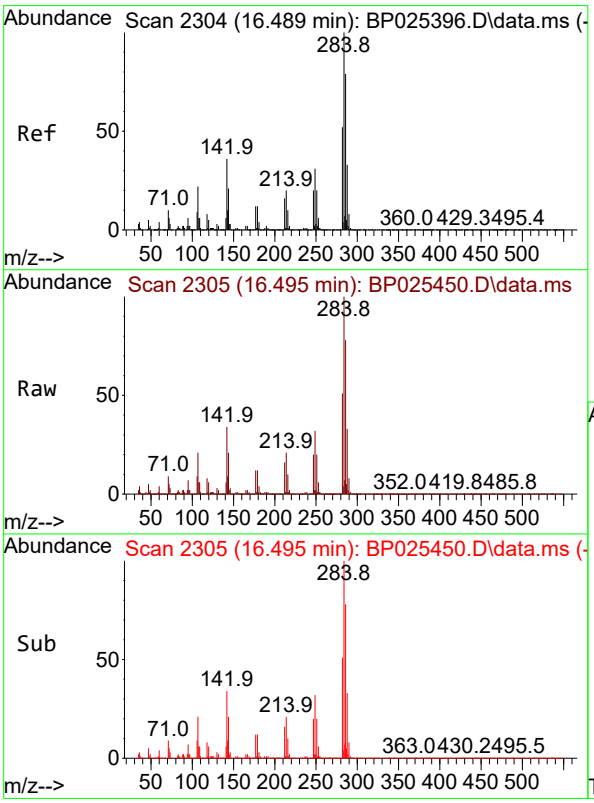
Tgt Ion:248 Resp: 43469

Ion	Ratio	Lower	Upper
248	100		
250	96.6	78.2	117.2
141	85.6	59.6	89.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

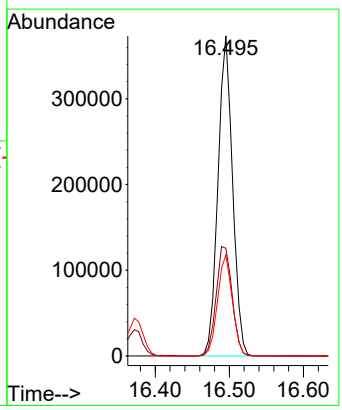


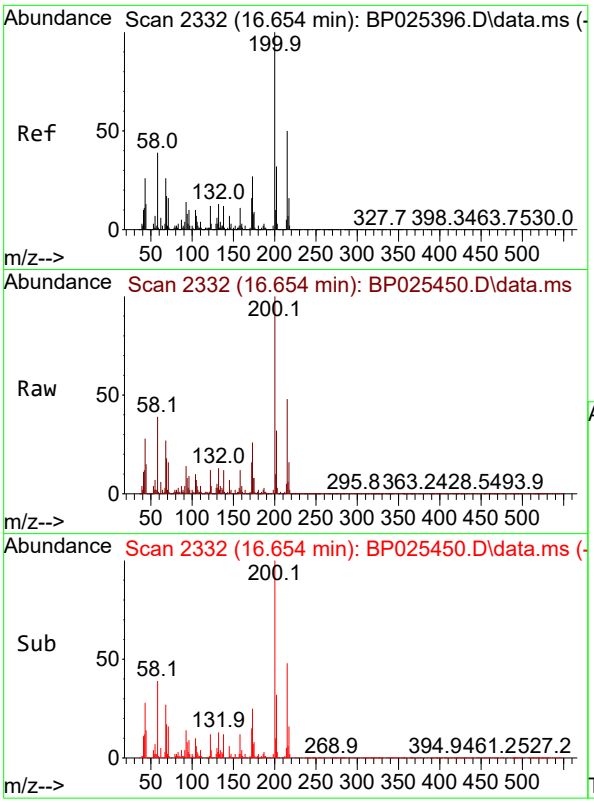


#68
Hexachlorobenzene
Concen: 46.197 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:284 Resp: 511055

Ion	Ratio	Lower	Upper
284	100		
142	33.6	29.1	43.7
249	31.6	25.0	37.4

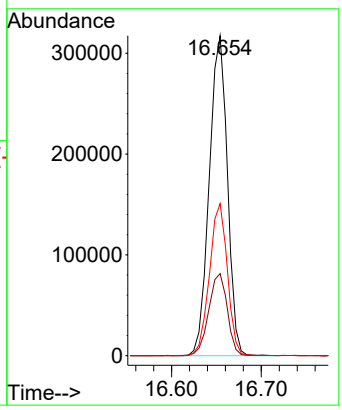




#69
Atrazine
Concen: 44.911 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:200 Resp: 44504

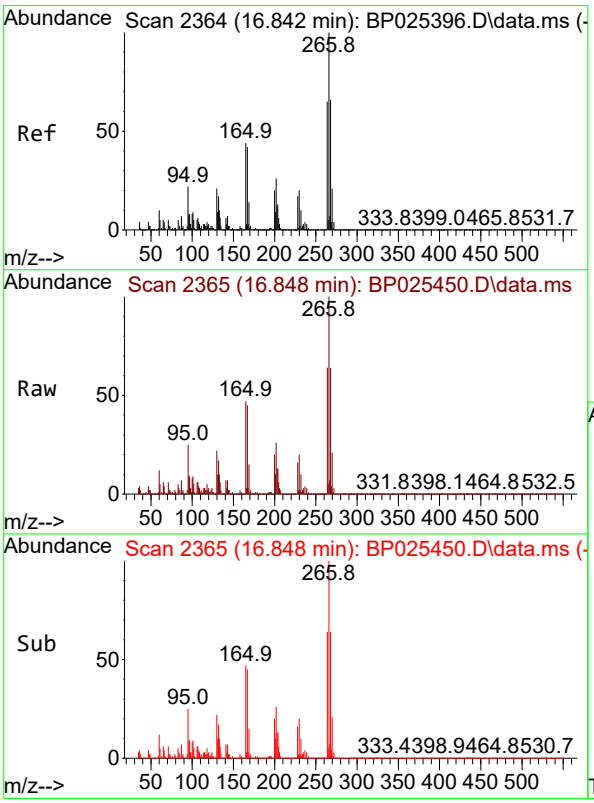
Ion	Ratio	Lower	Upper
200	100		
173	25.7	6.7	46.7
215	47.5	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

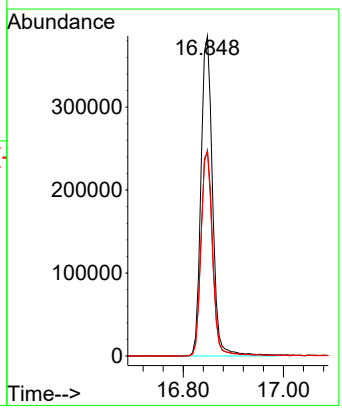
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

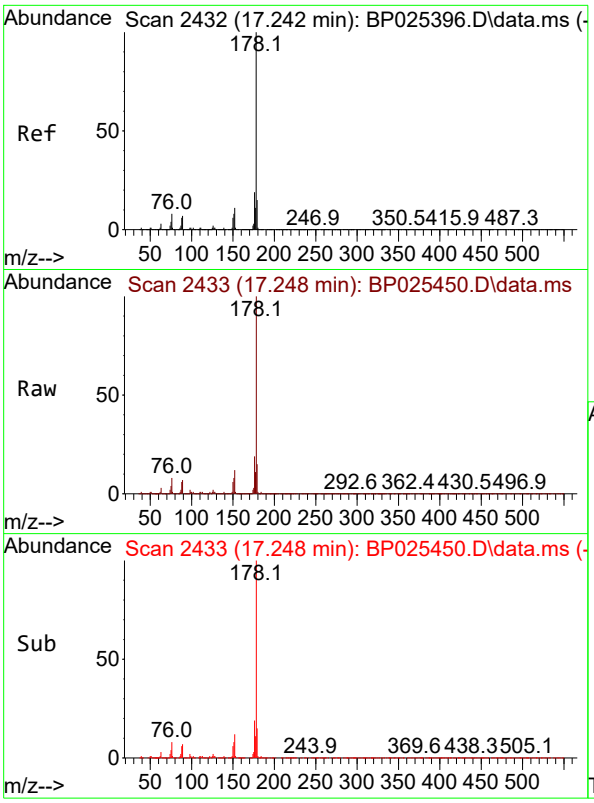


#70
Pentachlorophenol
Concen: 88.347 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:266 Resp: 616953

Ion	Ratio	Lower	Upper
266	100		
268	64.3	52.6	79.0
264	64.0	52.0	78.0

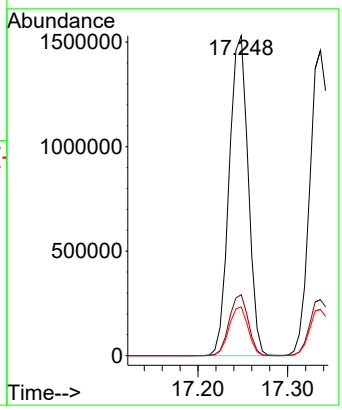




#71
Phenanthrene
Concen: 47.082 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:178 Resp: 224422

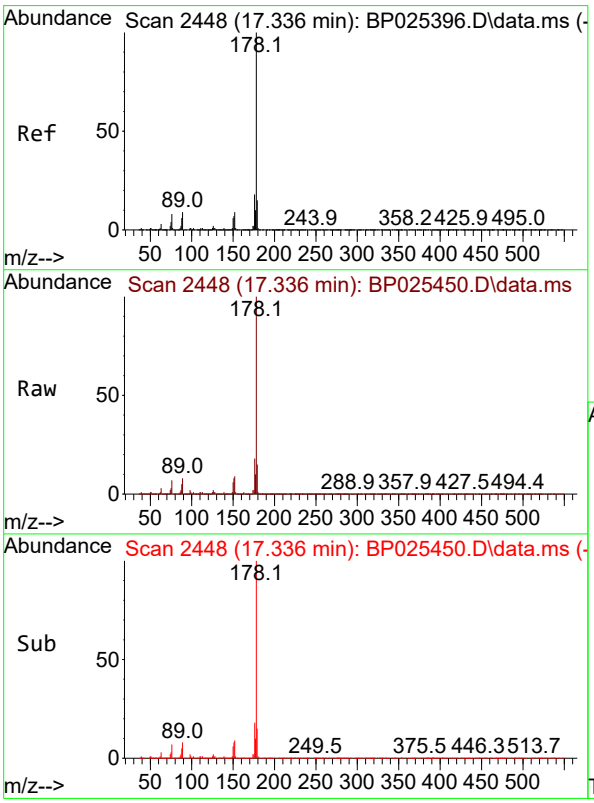
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

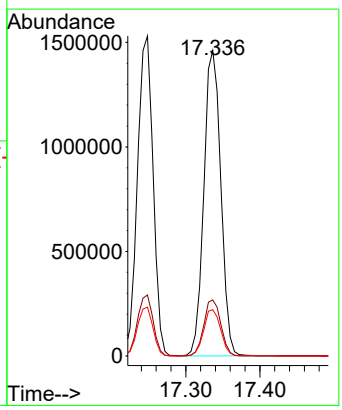
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

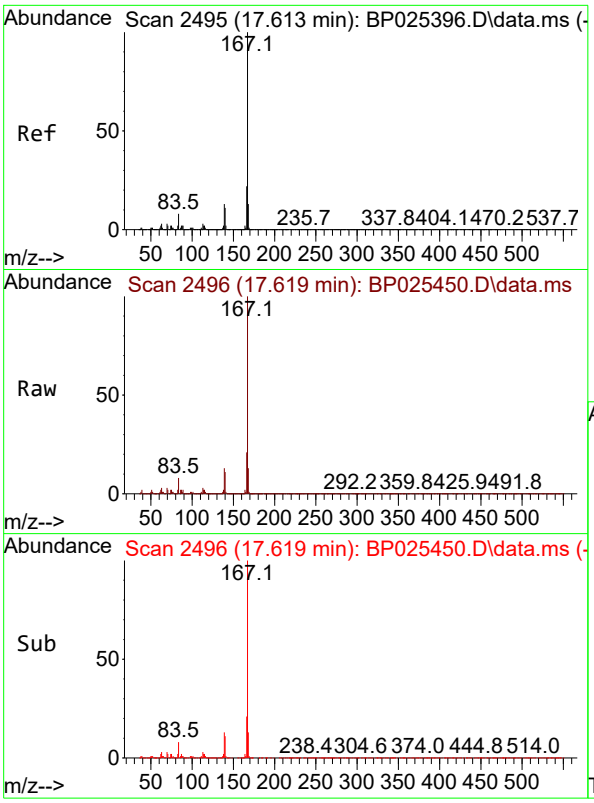


#72
Anthracene
Concen: 47.569 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:178 Resp: 2315498

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.2	12.2	18.2





#73
Carbazole
Concen: 48.178 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

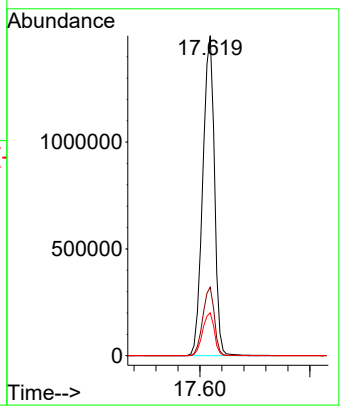
Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

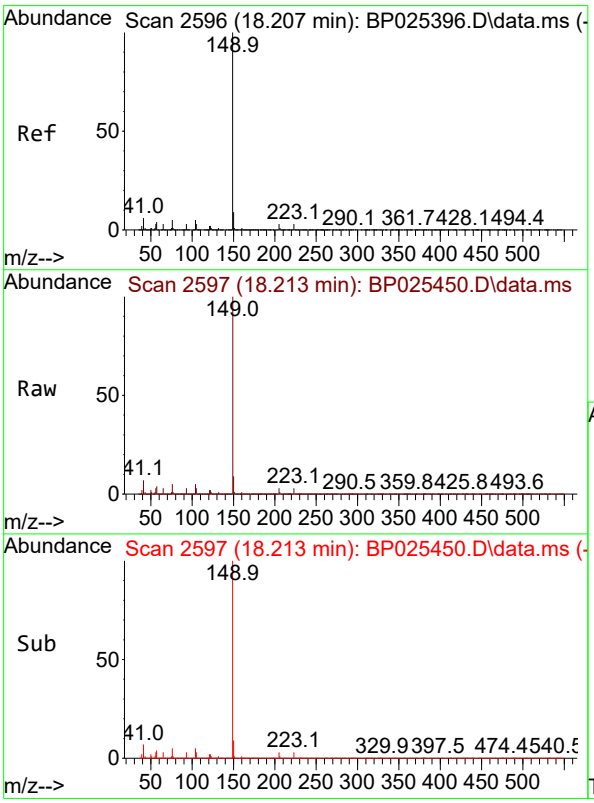
Tgt Ion:167 Resp: 220894

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.4	10.6	16.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

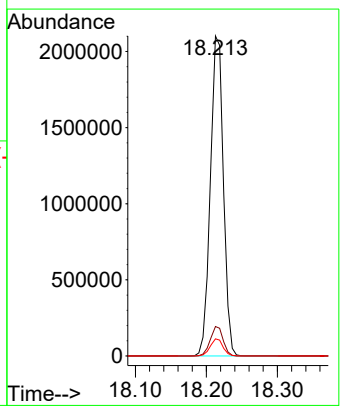


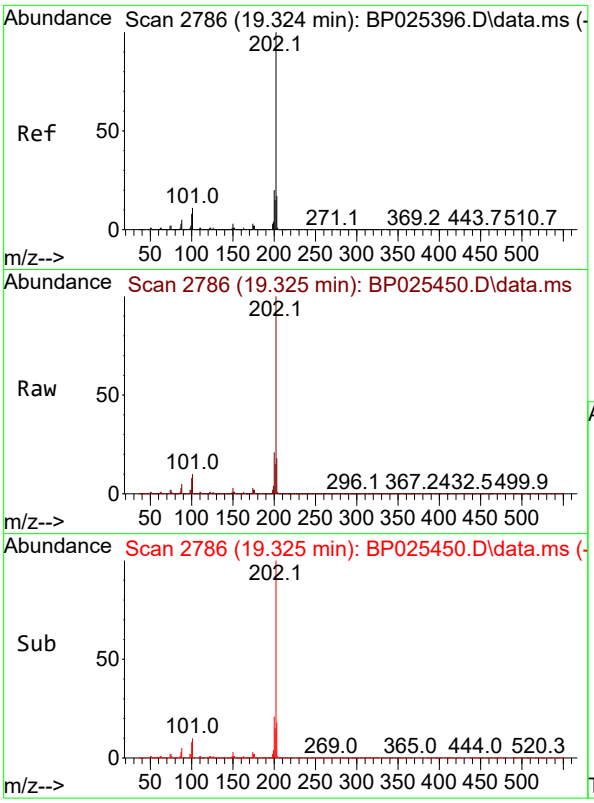


#74
Di-n-butylphthalate
Concen: 47.616 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:149 Resp: 2686045

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.3	4.2	6.2

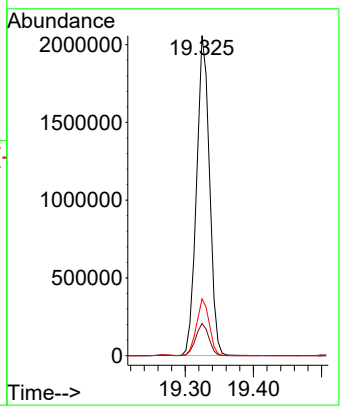




#75
Fluoranthene
Concen: 47.573 ng
RT: 19.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:202 Resp: 270487

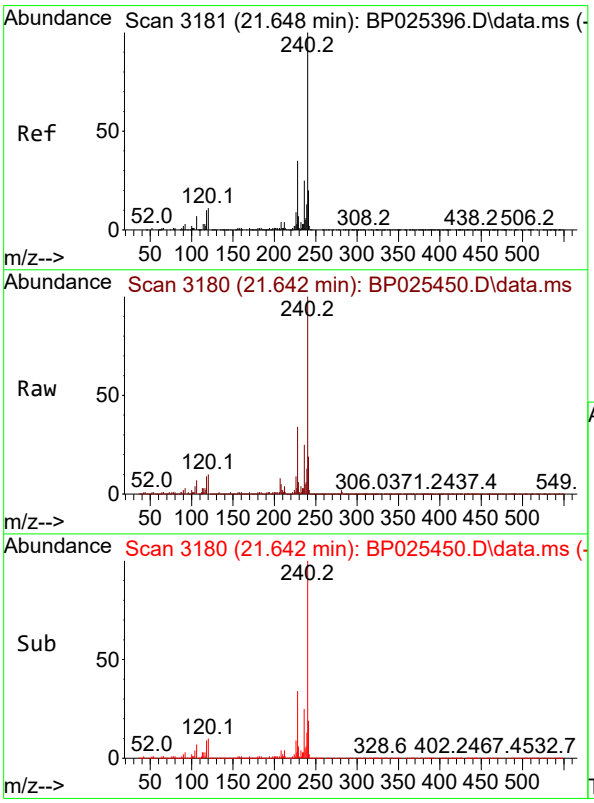
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.1
203	17.7	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

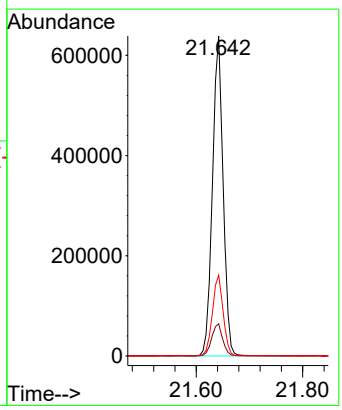
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

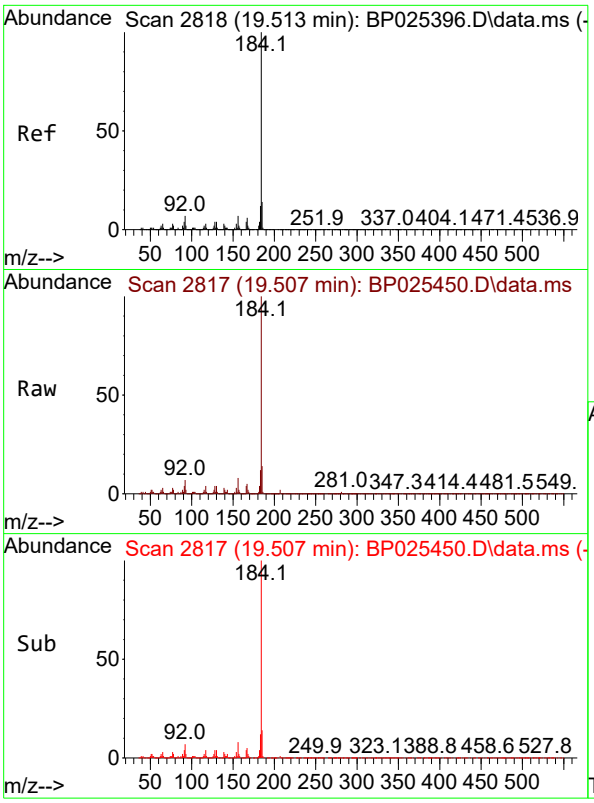


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:240 Resp: 888384

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.9	13.3
236	25.3	19.8	29.8

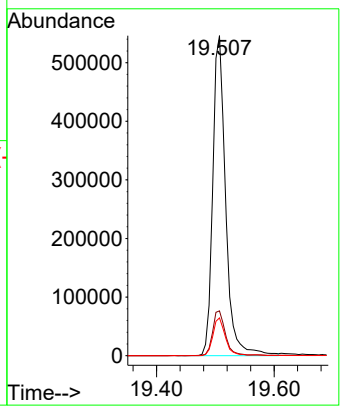




#77
Benzidine
Concen: 27.373 ng
RT: 19.507 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:184 Resp: 82991

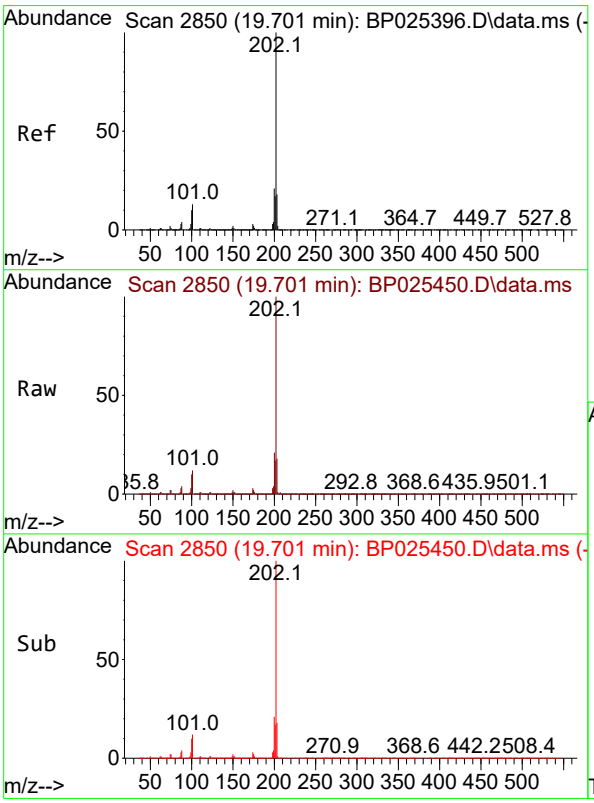
Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

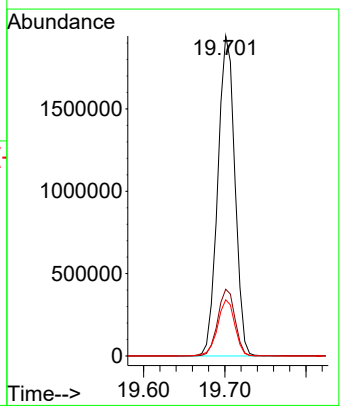
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

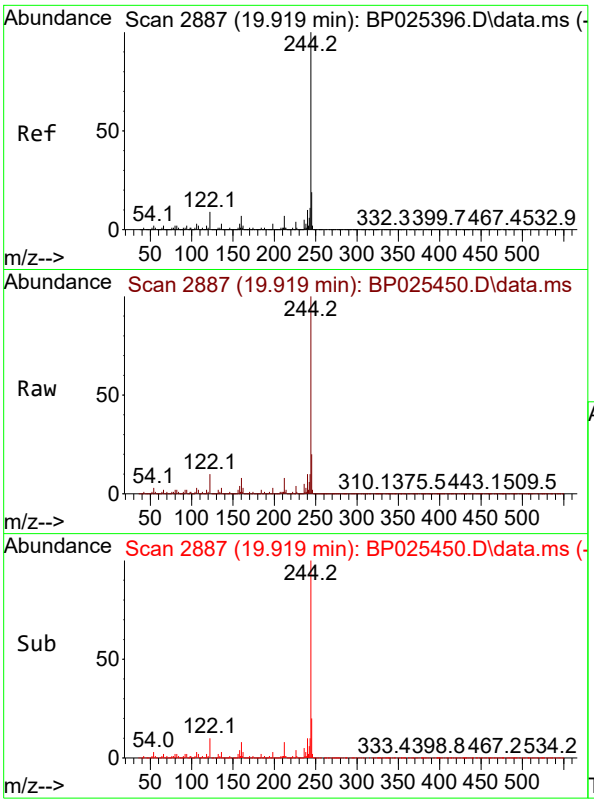


#78
Pyrene
Concen: 49.301 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:202 Resp: 2846746

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.5	14.2	21.2

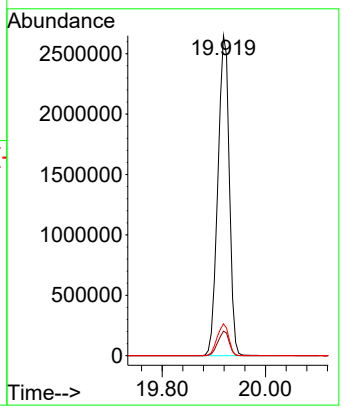




#79
Terphenyl-d14
Concen: 83.619 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:244 Resp: 406028

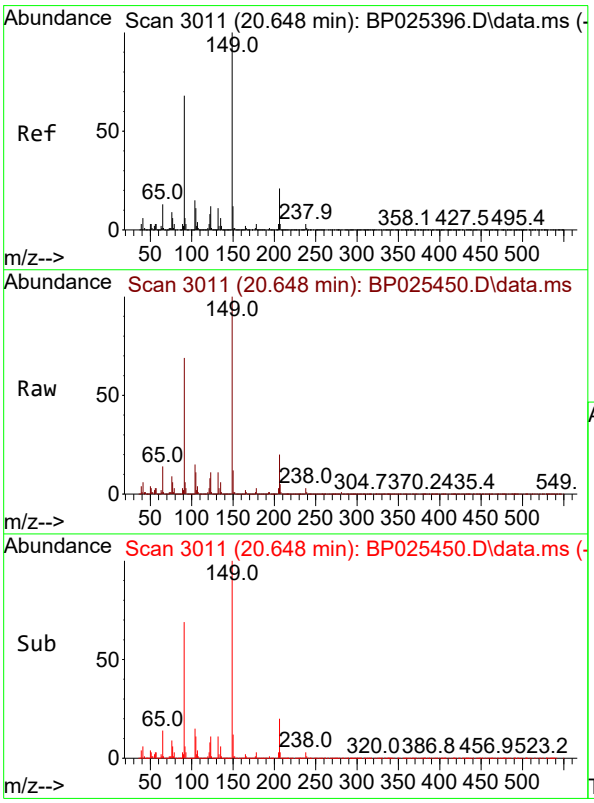
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.6
122	10.0	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

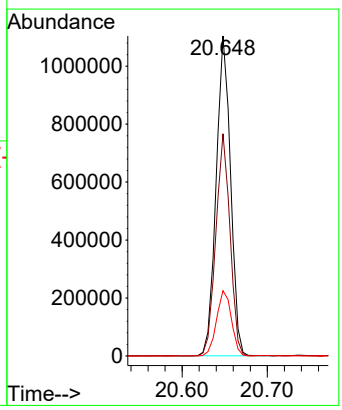
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

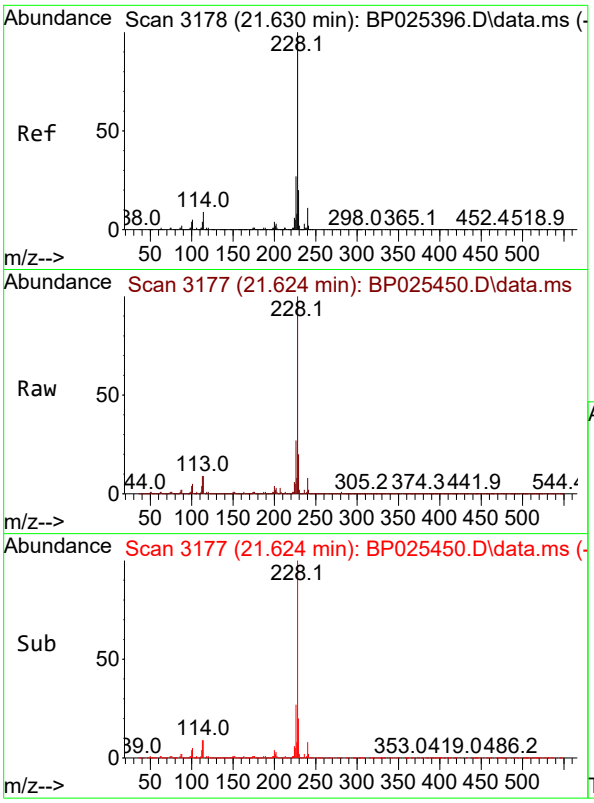


#80
Butylbenzylphthalate
Concen: 49.525 ng
RT: 20.648 min Scan# 3011
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:149 Resp: 1296053

Ion	Ratio	Lower	Upper
149	100		
91	69.5	54.2	81.2
206	20.4	16.6	24.8

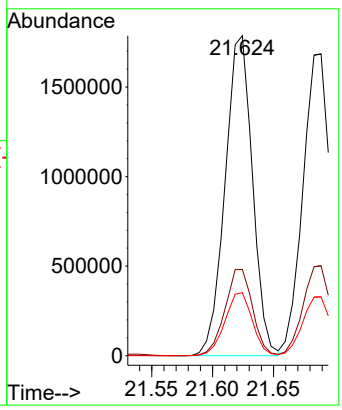




#81
Benzo(a)anthracene
Concen: 47.678 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:228 Resp: 279339

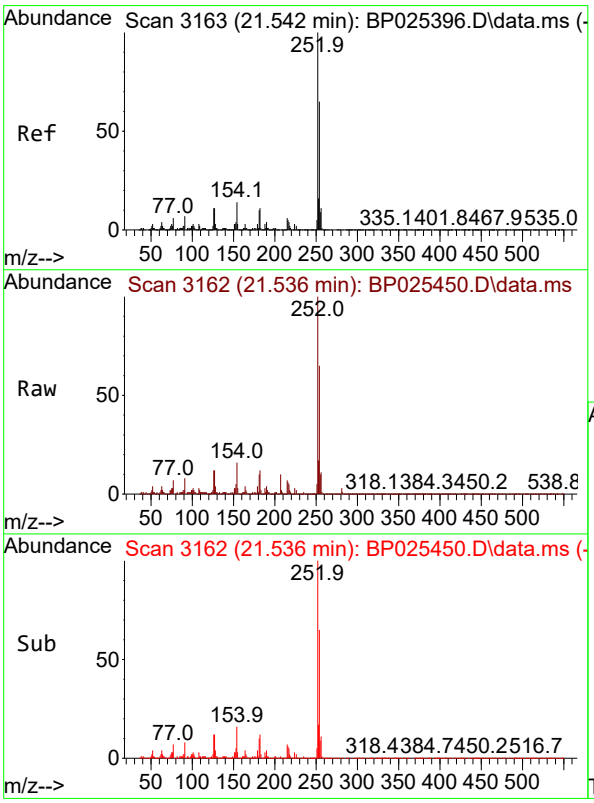
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.7	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

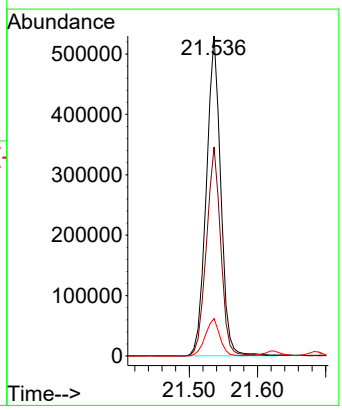
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

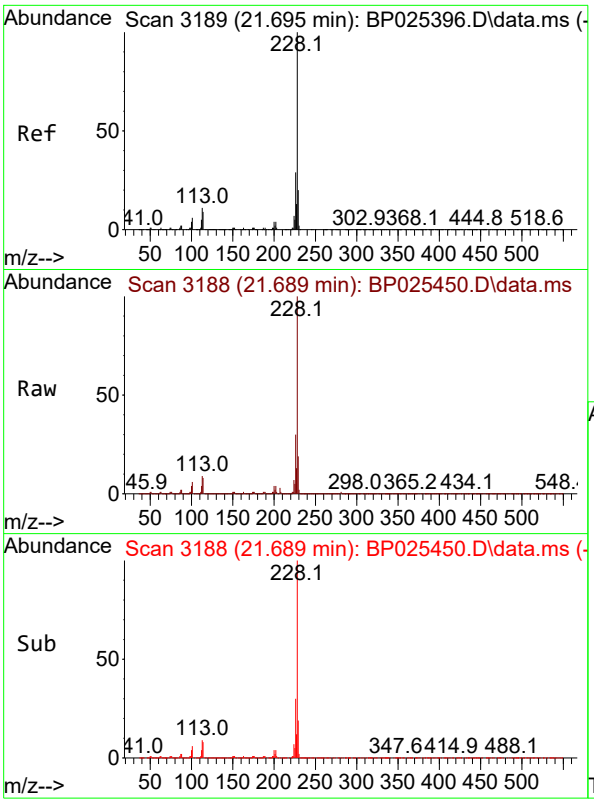


#82
3,3'-Dichlorobenzidine
Concen: 35.269 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:252 Resp: 778861

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.8	77.6
126	11.7	9.1	13.7





#83
Chrysene
Concen: 48.605 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

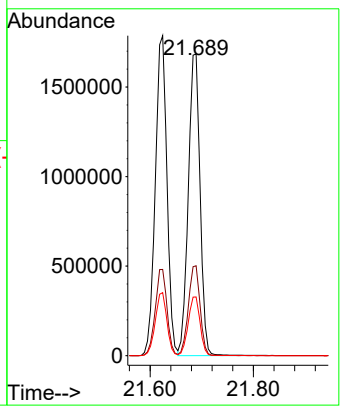
Tgt Ion:228 Resp: 266688

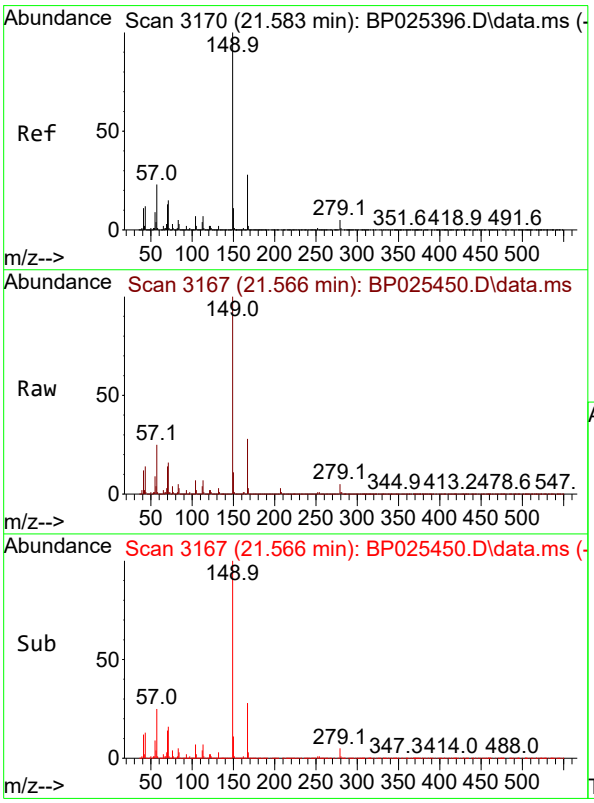
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	19.5	15.6	23.4

Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

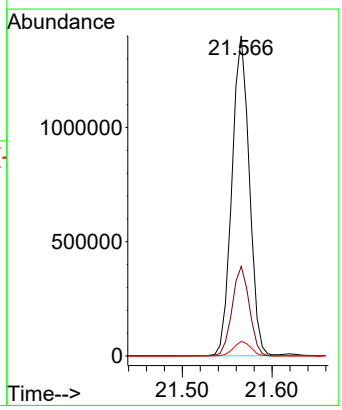


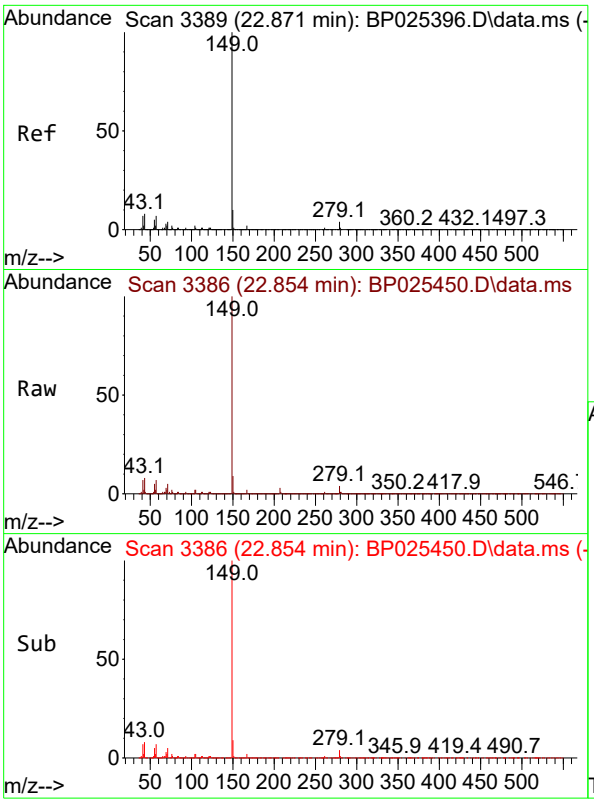


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.943 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:149 Resp: 1885442

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.1	33.1
279	4.6	3.8	5.6

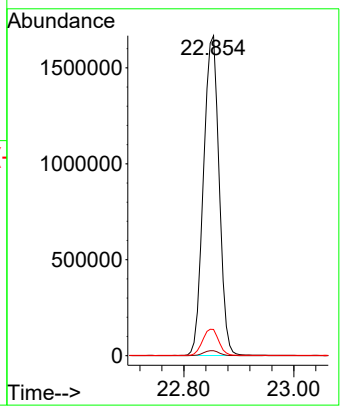




#85
Di-n-octyl phthalate
Concen: 49.522 ng
RT: 22.854 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:149 Resp: 328139

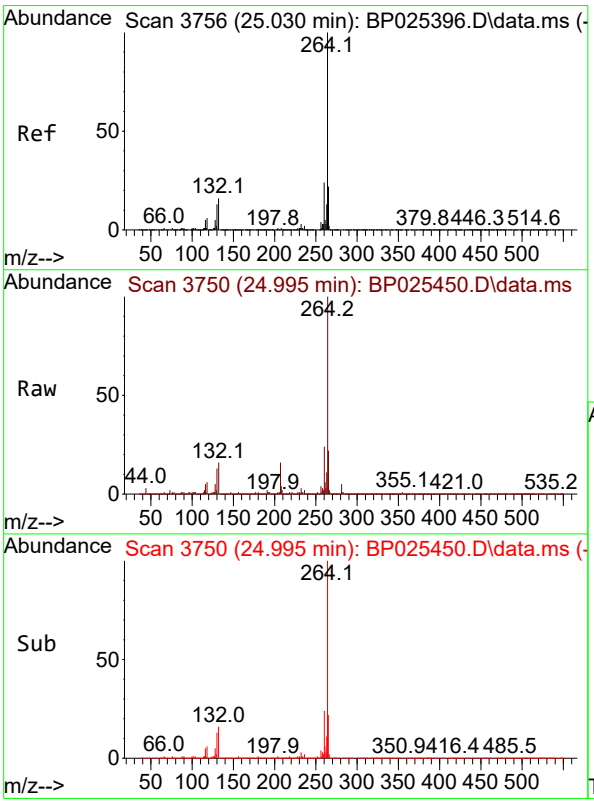
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.5	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

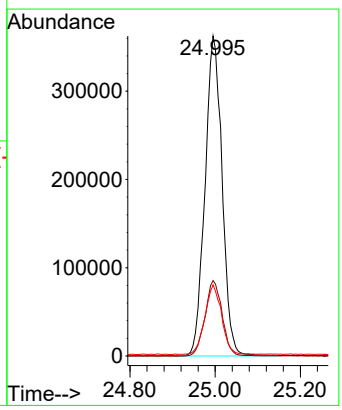
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

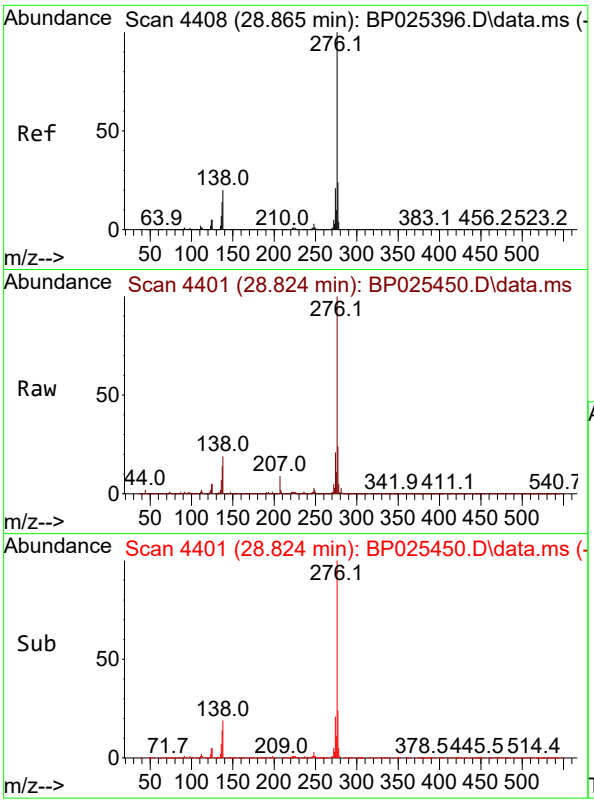


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.995 min Scan# 3750
Delta R.T. -0.035 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:264 Resp: 1010794

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	22.2	17.4	26.0

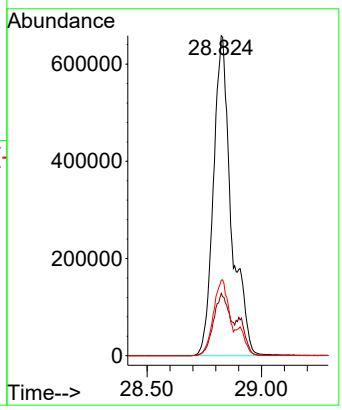




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.187 ng m
RT: 28.824 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:276 Resp: 357201

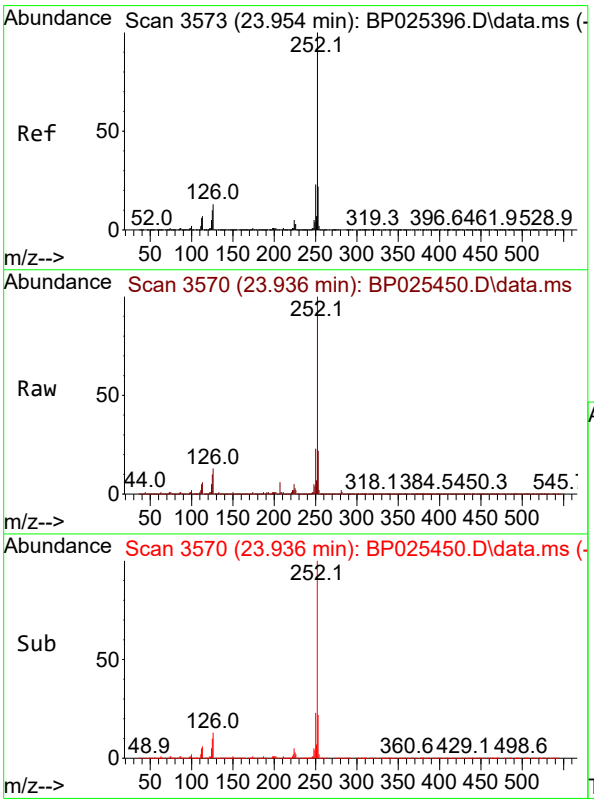
Ion	Ratio	Lower	Upper
276	100		
138	18.1	12.9	19.3
277	21.4	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

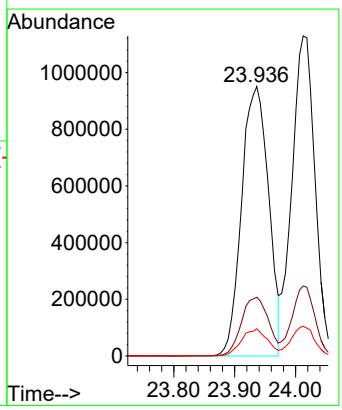
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

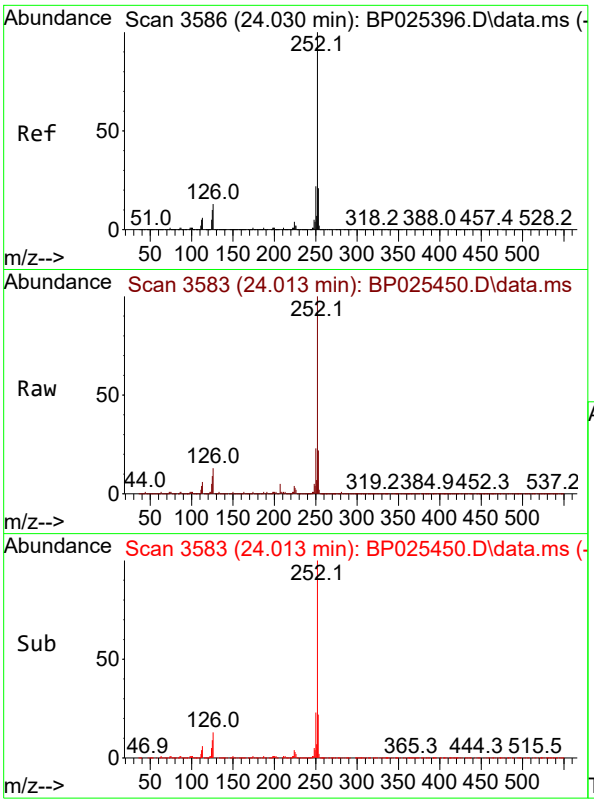


#88
Benzo(b)fluoranthene
Concen: 49.085 ng
RT: 23.936 min Scan# 3570
Delta R.T. -0.018 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:252 Resp: 2925656

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.1	7.9	11.9

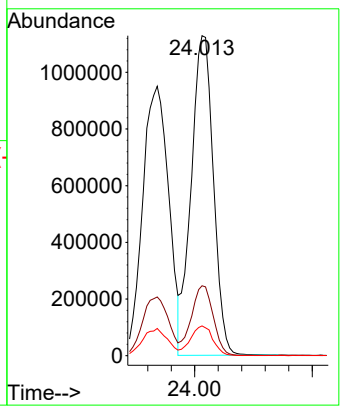




#89
Benzo(k)fluoranthene
Concen: 49.657 ng
RT: 24.013 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:252 Resp: 296177

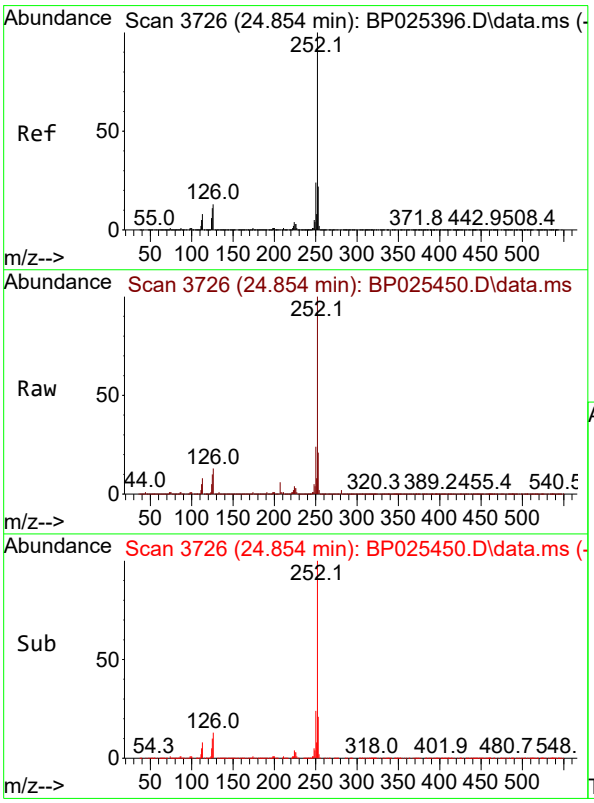
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.3	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

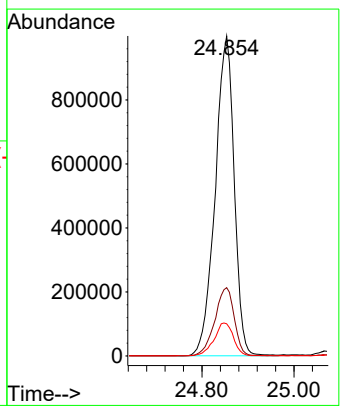
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

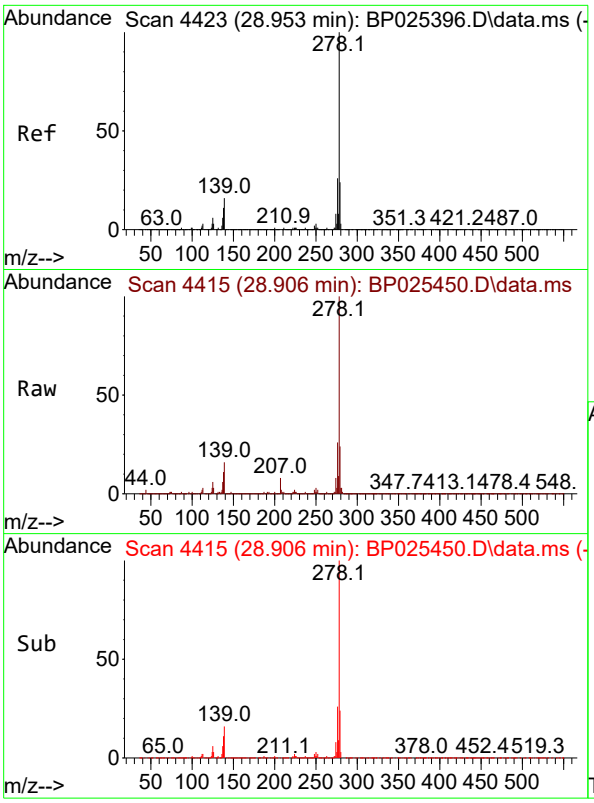


#90
Benzo(a)pyrene
Concen: 49.235 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:252 Resp: 2856583

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	10.1	8.7	13.1

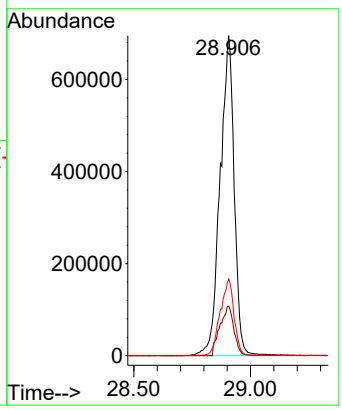




#91
Dibenzo(a,h)anthracene
Concen: 48.072 ng
RT: 28.906 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:278 Resp: 291207

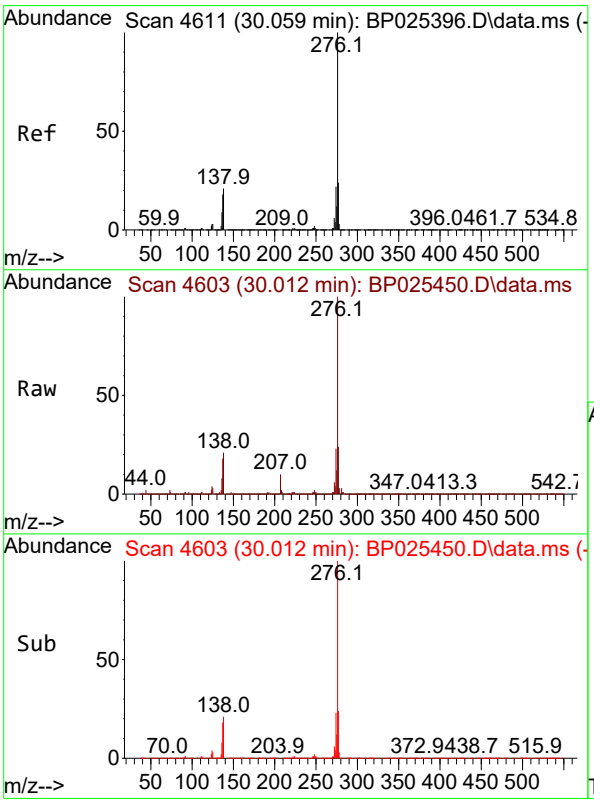
Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.0	19.4
279	24.0	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
TG-S01MSD

Manual Integrations
APPROVED

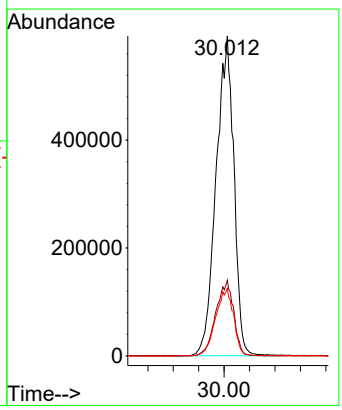
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#92
Benzo(g,h,i)perylene
Concen: 48.247 ng
RT: 30.012 min Scan# 4603
Delta R.T. -0.047 min
Lab File: BP025450.D
Acq: 16 Aug 2025 08:07

Tgt Ion:276 Resp: 2872944

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	21.1	16.7	25.1



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

Manual Integration Report

Sequence:	bf081525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF143418.D	Benzoic acid	Rahul	8/18/2025 8:33:03 AM	Jagrut	8/18/2025 8:43:19 AM	Peak Integrated by Software
SSTDICC020	BF143419.D	Benzoic acid	Rahul	8/18/2025 8:33:06 AM	Jagrut	8/18/2025 8:43:12 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf081825	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2832-10	BF143434.D	Benzoic acid	Rahul	8/19/2025 8:32:45 AM	Jagrut	8/19/2025 8:38:09 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025393.D	Acenaphthene	Rahul	8/15/2025 9:34:57 AM	Jagrut	8/15/2025 12:49:22 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Acenaphthene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzaldehyde	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzoic acid	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Acenaphthene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Benzoic acid	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICCC040	BP025396.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:47 AM	Jagrut	8/15/2025 12:49:30 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Benzo(g,h,i)perylene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC080	BP025399.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:40 AM	Jagrut	8/15/2025 12:49:36 PM	Peak Integrated by Software
SSTDICV040	BP025400.D	Acenaphthene	Rahul	8/15/2025 9:34:38 AM	Jagrut	8/15/2025 12:49:39 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025403.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:33 AM	Jagrut	8/15/2025 12:49:44 PM	Peak Integrated by Software
SSTDCCC040	BP025405.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:31 AM	Jagrut	8/15/2025 12:49:46 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Acenaphthene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP081525	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025422.D	Acenaphthene	Rahul	8/18/2025 8:33:34 AM	Jagrut	8/18/2025 8:42:26 AM	Peak Integrated by Software
SSTDCCC040	BP025436.D	Acenaphthene	Rahul	8/18/2025 8:33:44 AM	Jagrut	8/18/2025 8:42:33 AM	Peak Integrated by Software
SSTDCCC040	BP025438.D	Acenaphthene	Rahul	8/18/2025 8:33:47 AM	Jagrut	8/18/2025 8:42:35 AM	Peak Integrated by Software
SSTDCCC040	BP025438.D	Benzo(g,h,i)perylene	Rahul	8/18/2025 8:33:47 AM	Jagrut	8/18/2025 8:42:35 AM	Peak Integrated by Software
PB169275BS	BP025440.D	Acenaphthene	Rahul	8/18/2025 8:33:49 AM	Jagrut	8/18/2025 8:42:37 AM	Peak Integrated by Software
Q2832-02MS	BP025449.D	Acenaphthene	Rahul	8/18/2025 8:33:51 AM	Jagrut	8/18/2025 8:42:39 AM	Peak Integrated by Software
Q2832-02MSD	BP025450.D	Acenaphthene	Rahul	8/18/2025 8:33:55 AM	Jagrut	8/18/2025 8:42:42 AM	Peak Integrated by Software
Q2832-02MSD	BP025450.D	Caprolactam	Rahul	8/18/2025 8:33:55 AM	Jagrut	8/18/2025 8:42:42 AM	Peak Integrated by Software
Q2832-02MSD	BP025450.D	Indeno(1,2,3-cd)pyrene	Rahul	8/18/2025 8:33:55 AM	Jagrut	8/18/2025 8:42:42 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081525

Review By	Rahul	Review On	8/18/2025 8:39:29 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:43:38 AM		
SubDirectory	BF081525	HP Acquire Method	BNA_F	HP Processing Method	bf081525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143415.D	15 Aug 2025 13:59	RC/JU	Ok
2	SSTDICC2.5	BF143416.D	15 Aug 2025 14:29	RC/JU	Ok
3	SSTDICC005	BF143417.D	15 Aug 2025 14:58	RC/JU	Ok
4	SSTDICC010	BF143418.D	15 Aug 2025 15:28	RC/JU	Ok,M
5	SSTDICC020	BF143419.D	15 Aug 2025 15:58	RC/JU	Ok,M
6	SSTDICCC040	BF143420.D	15 Aug 2025 16:28	RC/JU	Ok
7	SSTDICC050	BF143421.D	15 Aug 2025 16:58	RC/JU	Ok
8	SSTDICC060	BF143422.D	15 Aug 2025 17:27	RC/JU	Ok
9	SSTDICC080	BF143423.D	15 Aug 2025 17:57	RC/JU	Ok
10	SSTDICV040	BF143424.D	15 Aug 2025 18:57	RC/JU	Ok
11	PB169229BL	BF143425.D	15 Aug 2025 19:27	RC/JU	Ok
12	PB169229BS	BF143426.D	15 Aug 2025 19:56	RC/JU	Ok,M
13	SSTDCCC040	BF143427.D	15 Aug 2025 20:26	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081825

Review By	Rahul	Review On	8/19/2025 8:33:20 AM		
Supervise By	Jagrut	Supervise On	8/19/2025 8:38:35 AM		
SubDirectory	BF081825	HP Acquire Method	BNA_F	HP Processing Method	bf081525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143428.D	18 Aug 2025 08:37	RC/JU	Ok
2	SSTDCCC040	BF143429.D	18 Aug 2025 09:06	RC/JU	Ok
3	PB169212TB	BF143430.D	18 Aug 2025 09:35	RC/JU	Ok
4	PB169256BS	BF143431.D	18 Aug 2025 10:04	RC/JU	Ok,M
5	PB169256BSD	BF143432.D	18 Aug 2025 10:33	RC/JU	Ok,M
6	PB169256BL	BF143433.D	18 Aug 2025 11:02	RC/JU	Ok
7	Q2832-10	BF143434.D	18 Aug 2025 11:41	RC/JU	Ok,M
8	Q2844-01	BF143435.D	18 Aug 2025 12:10	RC/JU	Ok
9	Q2837-01	BF143436.D	18 Aug 2025 12:39	RC/JU	Ok
10	Q2811-02	BF143437.D	18 Aug 2025 13:08	RC/JU	Ok
11	Q2844-06	BF143438.D	18 Aug 2025 13:37	RC/JU	Ok,M
12	Q2844-11	BF143439.D	18 Aug 2025 14:06	RC/JU	Ok
13	Q2844-09	BF143440.D	18 Aug 2025 14:36	RC/JU	Ok
14	Q2844-04	BF143441.D	18 Aug 2025 15:05	RC/JU	Ok
15	Q2844-02	BF143442.D	18 Aug 2025 15:34	RC/JU	Ok,M
16	Q2874-03	BF143443.D	18 Aug 2025 16:04	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM				
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM				
SubDirectory	BP081425	HP Acquire Method	BNA_P		HP Processing Method	bp081425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025390.D	14 Aug 2025 10:30	CG/JU	Ok
2	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	CG/JU	Not Ok
3	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33	CG/JU	Ok
4	SSTDICC005	BP025393.D	14 Aug 2025 13:15	CG/JU	Ok,M
5	SSTDICC010	BP025394.D	14 Aug 2025 13:56	CG/JU	Ok,M
6	SSTDICC020	BP025395.D	14 Aug 2025 14:38	CG/JU	Ok,M
7	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	CG/JU	Ok,M
8	SSTDICC050	BP025397.D	14 Aug 2025 16:01	CG/JU	Ok,M
9	SSTDICC060	BP025398.D	14 Aug 2025 16:42	CG/JU	Ok
10	SSTDICC080	BP025399.D	14 Aug 2025 17:24	CG/JU	Ok,M
11	SSTDICV040	BP025400.D	14 Aug 2025 18:05	CG/JU	Ok,M
12	PB169200TB	BP025401.D	14 Aug 2025 19:28	CG/JU	Ok
13	PB169210BS	BP025402.D	14 Aug 2025 20:10	CG/JU	Ok,M
14	SSTDCCC040	BP025403.D	14 Aug 2025 20:51	CG/JU	Ok,M
15	DFTPP	BP025404.D	14 Aug 2025 22:14	CG/JU	Ok
16	SSTDCCC040	BP025405.D	14 Aug 2025 22:56	CG/JU	Ok,M
17	PB169228BL	BP025406.D	14 Aug 2025 23:37	CG/JU	Ok
18	PB169228BS	BP025407.D	15 Aug 2025 00:18	CG/JU	Ok,M
19	Q2820-10	BP025408.D	15 Aug 2025 01:00	CG/JU	Ok
20	Q2820-11	BP025409.D	15 Aug 2025 01:41	CG/JU	Ok
21	Q2820-21	BP025410.D	15 Aug 2025 02:22	CG/JU	ReRun

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2820-22	BP025411.D	15 Aug 2025 03:03	CG/JU	ReRun
23	Q2820-14	BP025412.D	15 Aug 2025 03:45	CG/JU	Ok
24	Q2820-16	BP025413.D	15 Aug 2025 04:26	CG/JU	Ok
25	Q2820-17	BP025414.D	15 Aug 2025 05:07	CG/JU	Ok
26	Q2820-17MS	BP025415.D	15 Aug 2025 05:48	CG/JU	Ok,M
27	Q2820-17MSD	BP025416.D	15 Aug 2025 06:29	CG/JU	Ok,M
28	Q2820-18	BP025417.D	15 Aug 2025 07:10	CG/JU	Ok
29	Q2820-19	BP025418.D	15 Aug 2025 07:51	CG/JU	ReRun
30	Q2820-20	BP025419.D	15 Aug 2025 08:32	CG/JU	ReRun
31	SSTDCCC040	BP025420.D	15 Aug 2025 09:13	CG/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM				
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM				
SubDirectory	BP081525	HP Acquire Method	BNA_P		HP Processing Method	bp081425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025421.D	15 Aug 2025 09:55	CG/JU	Ok
2	SSTDCCC040	BP025422.D	15 Aug 2025 10:36	CG/JU	Ok,M
3	PB169230BL	BP025423.D	15 Aug 2025 11:17	CG/JU	Ok
4	PB169230BS	BP025424.D	15 Aug 2025 11:59	CG/JU	Ok,M
5	PB169230BSD	BP025425.D	15 Aug 2025 13:26	CG/JU	Ok
6	Q2814-05RE	BP025426.D	15 Aug 2025 14:08	CG/JU	Confirms
7	Q2814-20	BP025427.D	15 Aug 2025 14:49	CG/JU	Ok
8	Q2814-11	BP025428.D	15 Aug 2025 15:31	CG/JU	Ok
9	Q2814-17	BP025429.D	15 Aug 2025 16:12	CG/JU	Ok
10	Q2814-18	BP025430.D	15 Aug 2025 16:54	CG/JU	ReRun
11	Q2827-05DL	BP025431.D	15 Aug 2025 17:35	CG/JU	Ok,M
12	Q2820-07RE	BP025432.D	15 Aug 2025 18:17	CG/JU	Confirms
13	Q2820-01RE	BP025433.D	15 Aug 2025 18:58	CG/JU	Confirms
14	Q2820-21RE	BP025434.D	15 Aug 2025 19:40	CG/JU	Confirms
15	Q2820-22RE	BP025435.D	15 Aug 2025 20:21	CG/JU	Confirms
16	SSTDCCC040	BP025436.D	15 Aug 2025 21:03	CG/JU	Ok,M
17	DFTPP	BP025437.D	15 Aug 2025 23:08	CG/JU	Ok
18	SSTDCCC040	BP025438.D	15 Aug 2025 23:49	CG/JU	Ok,M
19	PB169275BL	BP025439.D	16 Aug 2025 00:31	CG/JU	Ok
20	PB169275BS	BP025440.D	16 Aug 2025 01:13	CG/JU	Ok,M
21	Q2732-03	BP025441.D	16 Aug 2025 01:55	CG/JU	Ok

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM		
SubDirectory	BP081525	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2836-03	BP025442.D	16 Aug 2025 02:37	CG/JU	Ok
23	Q2836-07	BP025443.D	16 Aug 2025 03:19	CG/JU	Ok
24	Q2836-11	BP025444.D	16 Aug 2025 04:00	CG/JU	Ok
25	Q2836-15	BP025445.D	16 Aug 2025 04:41	CG/JU	Ok
26	Q2838-04	BP025446.D	16 Aug 2025 05:22	CG/JU	Ok
27	Q2838-08	BP025447.D	16 Aug 2025 06:04	CG/JU	Ok
28	Q2832-02	BP025448.D	16 Aug 2025 06:45	CG/JU	Ok
29	Q2832-02MS	BP025449.D	16 Aug 2025 07:26	CG/JU	Ok,M
30	Q2832-02MSD	BP025450.D	16 Aug 2025 08:07	CG/JU	Ok,M
31	Q2832-04	BP025451.D	16 Aug 2025 08:48	CG/JU	Ok
32	Q2832-06	BP025452.D	16 Aug 2025 09:29	CG/JU	Ok
33	Q2832-08	BP025453.D	16 Aug 2025 10:11	CG/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081525

Review By	Rahul	Review On	8/18/2025 8:39:29 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:43:38 AM		
SubDirectory	BF081525	HP Acquire Method	BNA_F	HP Processing Method	bf081525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143415.D	15 Aug 2025 13:59		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143416.D	15 Aug 2025 14:29		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143417.D	15 Aug 2025 14:58		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF143418.D	15 Aug 2025 15:28		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143419.D	15 Aug 2025 15:58	Compound#41,54 Kept on LR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF143420.D	15 Aug 2025 16:28	Benzaldehyde failed in the Calibration.	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF143421.D	15 Aug 2025 16:58		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143422.D	15 Aug 2025 17:27		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143423.D	15 Aug 2025 17:57	compound #77 removed.	RC/JU	Ok
10	SSTDICV040	ICVBF081525	BF143424.D	15 Aug 2025 18:57		RC/JU	Ok
11	PB169229BL	PB169229BL	BF143425.D	15 Aug 2025 19:27		RC/JU	Ok
12	PB169229BS	PB169229BS	BF143426.D	15 Aug 2025 19:56		RC/JU	Ok,M
13	SSTDCCC040	SSTDCCC040EC	BF143427.D	15 Aug 2025 20:26		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081825

Review By	Rahul	Review On	8/19/2025 8:33:20 AM		
Supervise By	Jagrut	Supervise On	8/19/2025 8:38:35 AM		
SubDirectory	BF081825	HP Acquire Method	BNA_F	HP Processing Method	bf081525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143428.D	18 Aug 2025 08:37		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143429.D	18 Aug 2025 09:06		RC/JU	Ok
3	PB169212TB	PB169212TB	BF143430.D	18 Aug 2025 09:35		RC/JU	Ok
4	PB169256BS	PB169256BS	BF143431.D	18 Aug 2025 10:04		RC/JU	Ok,M
5	PB169256BSD	PB169256BSD	BF143432.D	18 Aug 2025 10:33		RC/JU	Ok,M
6	PB169256BL	PB169256BL	BF143433.D	18 Aug 2025 11:02		RC/JU	Ok
7	Q2832-10	TG-S05	BF143434.D	18 Aug 2025 11:41		RC/JU	Ok,M
8	Q2844-01	PAD-081325	BF143435.D	18 Aug 2025 12:10		RC/JU	Ok
9	Q2837-01	TW-WTS-13	BF143436.D	18 Aug 2025 12:39		RC/JU	Ok
10	Q2811-02	EFF-WASTE WATER	BF143437.D	18 Aug 2025 13:08	Surrogate Fail	RC/JU	Ok
11	Q2844-06	MOO-25-0223	BF143438.D	18 Aug 2025 13:37	Internal Standard Failed.	RC/JU	Ok,M
12	Q2844-11	MOO-25-0228	BF143439.D	18 Aug 2025 14:06		RC/JU	Ok
13	Q2844-09	MOO-25-0226	BF143440.D	18 Aug 2025 14:36		RC/JU	Ok
14	Q2844-04	MOO-25-0234-0235	BF143441.D	18 Aug 2025 15:05	Internal Standard Fail	RC/JU	Ok
15	Q2844-02	MOO-25-0224-0225	BF143442.D	18 Aug 2025 15:34	Internal Standard Fail	RC/JU	Ok,M
16	Q2874-03	ELI-HQ-CONCRETE	BF143443.D	18 Aug 2025 16:04		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025390.D	14 Aug 2025 10:30		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	A Fresh Calibration is required.	CG/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33		CG/JU	Ok
4	SSTDICC005	SSTDICC005	BP025393.D	14 Aug 2025 13:15		CG/JU	Ok,M
5	SSTDICC010	SSTDICC010	BP025394.D	14 Aug 2025 13:56		CG/JU	Ok,M
6	SSTDICC020	SSTDICC020	BP025395.D	14 Aug 2025 14:38		CG/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	Benzidine failed in the Calibration Method.	CG/JU	Ok,M
8	SSTDICC050	SSTDICC050	BP025397.D	14 Aug 2025 16:01		CG/JU	Ok,M
9	SSTDICC060	SSTDICC060	BP025398.D	14 Aug 2025 16:42		CG/JU	Ok
10	SSTDICC080	SSTDICC080	BP025399.D	14 Aug 2025 17:24		CG/JU	Ok,M
11	SSTDICV040	ICVBP081425	BP025400.D	14 Aug 2025 18:05		CG/JU	Ok,M
12	PB169200TB	PB169200TB	BP025401.D	14 Aug 2025 19:28		CG/JU	Ok
13	PB169210BS	PB169210BS	BP025402.D	14 Aug 2025 20:10		CG/JU	Ok,M
14	SSTDCCC040	SSTDCCC040EC	BP025403.D	14 Aug 2025 20:51		CG/JU	Ok,M
15	DFTPP	DFTPP	BP025404.D	14 Aug 2025 22:14		CG/JU	Ok
16	SSTDCCC040	SSTDCCC040	BP025405.D	14 Aug 2025 22:56		CG/JU	Ok,M
17	PB169228BL	PB169228BL	BP025406.D	14 Aug 2025 23:37		CG/JU	Ok

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB169228BS	PB169228BS	BP025407.D	15 Aug 2025 00:18		CG/JU	Ok,M
19	Q2820-10	SOIL-DUP-2	BP025408.D	15 Aug 2025 01:00		CG/JU	Ok
20	Q2820-11	10PC-W	BP025409.D	15 Aug 2025 01:41		CG/JU	Ok
21	Q2820-21	22M-N	BP025410.D	15 Aug 2025 02:22	Surrogate Fail	CG/JU	ReRun
22	Q2820-22	22M-W	BP025411.D	15 Aug 2025 03:03	Surrogate Fail	CG/JU	ReRun
23	Q2820-14	10P-E	BP025412.D	15 Aug 2025 03:45		CG/JU	Ok
24	Q2820-16	10P-N	BP025413.D	15 Aug 2025 04:26		CG/JU	Ok
25	Q2820-17	88H-E	BP025414.D	15 Aug 2025 05:07		CG/JU	Ok
26	Q2820-17MS	88H-EMS	BP025415.D	15 Aug 2025 05:48		CG/JU	Ok,M
27	Q2820-17MSD	88H-EMSD	BP025416.D	15 Aug 2025 06:29		CG/JU	Ok,M
28	Q2820-18	88H-N	BP025417.D	15 Aug 2025 07:10		CG/JU	Ok
29	Q2820-19	88H-W	BP025418.D	15 Aug 2025 07:51	Surrogate fail	CG/JU	ReRun
30	Q2820-20	88H-S	BP025419.D	15 Aug 2025 08:32	Surrogate Fail	CG/JU	ReRun
31	SSTDCCC040	SSTDCCC040EC	BP025420.D	15 Aug 2025 09:13		CG/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM		
SubDirectory	BP081525	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025421.D	15 Aug 2025 09:55		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025422.D	15 Aug 2025 10:36		CG/JU	Ok,M
3	PB169230BL	PB169230BL	BP025423.D	15 Aug 2025 11:17		CG/JU	Ok
4	PB169230BS	PB169230BS	BP025424.D	15 Aug 2025 11:59		CG/JU	Ok,M
5	PB169230BSD	PB169230BSD	BP025425.D	15 Aug 2025 13:26		CG/JU	Ok
6	Q2814-05RE	TW-82H-ERE	BP025426.D	15 Aug 2025 14:08	Surrogate Fail	CG/JU	Confirms
7	Q2814-20	TW-518R-W	BP025427.D	15 Aug 2025 14:49		CG/JU	Ok
8	Q2814-11	TW-38M-S	BP025428.D	15 Aug 2025 15:31		CG/JU	Ok
9	Q2814-17	TW-518R-S	BP025429.D	15 Aug 2025 16:12		CG/JU	Ok
10	Q2814-18	TW-518R-N	BP025430.D	15 Aug 2025 16:54	Surrogate Fail	CG/JU	ReRun
11	Q2827-05DL	TP-9DL	BP025431.D	15 Aug 2025 17:35		CG/JU	Ok,M
12	Q2820-07RE	518R-SRE	BP025432.D	15 Aug 2025 18:17	Surrogate Fail	CG/JU	Confirms
13	Q2820-01RE	82H-SRE	BP025433.D	15 Aug 2025 18:58	Surrogate Fail	CG/JU	Confirms
14	Q2820-21RE	22M-NRE	BP025434.D	15 Aug 2025 19:40	Surrogate Fail	CG/JU	Confirms
15	Q2820-22RE	22M-WRE	BP025435.D	15 Aug 2025 20:21	Surrogate Fail	CG/JU	Confirms
16	SSTDCCC040	SSTDCCC040EC	BP025436.D	15 Aug 2025 21:03		CG/JU	Ok,M
17	DFTPP	DFTPP	BP025437.D	15 Aug 2025 23:08		CG/JU	Ok
18	SSTDCCC040	SSTDCCC040	BP025438.D	15 Aug 2025 23:49		CG/JU	Ok,M

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM		
SubDirectory	BP081525	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB169275BL	PB169275BL	BP025439.D	16 Aug 2025 00:31		CG/JU	Ok
20	PB169275BS	PB169275BS	BP025440.D	16 Aug 2025 01:13		CG/JU	Ok,M
21	Q2732-03	WC-A7-01-C	BP025441.D	16 Aug 2025 01:55		CG/JU	Ok
22	Q2836-03	WC-A2-15-C	BP025442.D	16 Aug 2025 02:37		CG/JU	Ok
23	Q2836-07	WC-A2-16-C	BP025443.D	16 Aug 2025 03:19		CG/JU	Ok
24	Q2836-11	WC-A2-17-C	BP025444.D	16 Aug 2025 04:00		CG/JU	Ok
25	Q2836-15	WC-A5-02-C	BP025445.D	16 Aug 2025 04:41		CG/JU	Ok
26	Q2838-04	TP-11	BP025446.D	16 Aug 2025 05:22		CG/JU	Ok
27	Q2838-08	TP-10	BP025447.D	16 Aug 2025 06:04		CG/JU	Ok
28	Q2832-02	TG-S01	BP025448.D	16 Aug 2025 06:45		CG/JU	Ok
29	Q2832-02MS	TG-S01MS	BP025449.D	16 Aug 2025 07:26		CG/JU	Ok,M
30	Q2832-02MSD	TG-S01MSD	BP025450.D	16 Aug 2025 08:07		CG/JU	Ok,M
31	Q2832-04	TG-S02	BP025451.D	16 Aug 2025 08:48		CG/JU	Ok
32	Q2832-06	TG-S03	BP025452.D	16 Aug 2025 09:29		CG/JU	Ok
33	Q2832-08	TG-S04	BP025453.D	16 Aug 2025 10:11		CG/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169212

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 08/12/2025 **Time :** 17:00

End Prep Date : 08/13/2025 **Time :** 10:35

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 10

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : RM

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112804
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. Particle size reduction is not required. Q2838-08 IS USED for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/13/25 11:50	JP ICP Room	8/13. RJ ICP
	Preparation Group	Analysis Group / ~~DMA~~ DSG

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169212

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB169212TB	LEB212	13	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2732-03	WC-A7-01-C	01	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q2832-02	TG-S01	02	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2832-04	TG-S02	03	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2832-06	TG-S03	04	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2832-08	TG-S04	05	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2832-10	TG-S05	06	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2836-03	WC-A2-15-C	07	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-07	WC-A2-16-C	08	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2836-11	WC-A2-17-C	09	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-15	WC-A5-02-C	10	100.02	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q2838-04	TP-11	11	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2838-08	TP-10	12	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169212TB	LEB212	N/A	N/A	N/A	N/A	N/A	N/A
Q2732-03	WC-A7-01-C	N/A	N/A	N/A	N/A	100	N/A
Q2832-02	TG-S01	N/A	N/A	N/A	N/A	100	N/A
Q2832-04	TG-S02	N/A	N/A	N/A	N/A	100	N/A
Q2832-06	TG-S03	N/A	N/A	N/A	N/A	100	N/A
Q2832-08	TG-S04	N/A	N/A	N/A	N/A	100	N/A
Q2832-10	TG-S05	N/A	N/A	N/A	N/A	100	N/A
Q2836-03	WC-A2-15-C	N/A	N/A	N/A	N/A	100	N/A
Q2836-07	WC-A2-16-C	N/A	N/A	N/A	N/A	100	N/A
Q2836-11	WC-A2-17-C	N/A	N/A	N/A	N/A	100	N/A
Q2836-15	WC-A5-02-C	N/A	N/A	N/A	N/A	100	N/A
Q2838-04	TP-11	N/A	N/A	N/A	N/A	100	N/A
Q2838-08	TP-10	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB169212

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB169212TB	LEB212	N/A	N/A	N/A	N/A	#1	4.93
Q2732-03	WC-A7-01-C	5.02	96.5	11.5	4.5	#1	4.93
Q2832-02	TG-S01	5.02	96.5	8.4	3.5	#1	4.93
Q2832-04	TG-S02	5.01	96.5	8.4	3.5	#1	4.93
Q2832-06	TG-S03	5.02	96.5	8.2	3.0	#1	4.93
Q2832-08	TG-S04	5.03	96.5	8.0	3.0	#1	4.93
Q2832-10	TG-S05	5.04	96.5	7.0	2.5	#1	4.93
Q2836-03	WC-A2-15-C	5.03	96.5	12.0	4.5	#1	4.93
Q2836-07	WC-A2-16-C	5.02	96.5	12.0	4.5	#1	4.93
Q2836-11	WC-A2-17-C	5.03	96.5	12.5	4.5	#1	4.93
Q2836-15	WC-A5-02-C	5.02	96.5	11.5	4.5	#1	4.93
Q2838-04	TP-11	5.03	96.5	7.6	3.0	#1	4.93
Q2838-08	TP-10	5.02	96.5	7.2	2.5	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2832 **WorkList ID :** 191220 **Department :** TCLP Extraction **Date :** 08-12-2025 11:53:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2732-03	WC-A7-01-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J21	08/12/2025	1311
Q2832-02	TG-S01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-04	TG-S02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-06	TG-S03	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-08	TG-S04	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-10	TG-S02	Solid	TCLP Extraction	Cool 4 deg C	PORT06		08/11/2025	1311
Q2836-03	WC-A2-15-C	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/12/2025	1311
Q2836-07	WC-A2-16-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2836-11	WC-A2-17-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2836-15	WC-A5-02-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2838-04	TP-11	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2838-08	TP-10	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	08/12/2025	1311
					PSEG03	D21	08/12/2025	1311

Date/Time 08/12/25 14:30
Raw Sample Received by: BD WC
Raw Sample Relinquished by: CP SM

Date/Time 08/12/25 18:00
Raw Sample Received by: CP SM
Raw Sample Relinquished by: BD WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169275

SOP ID:	M3510C,3580A-Extraction SVOC-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/14/2025
Matrix :	Water			**Extraction Start Time :**	10:30
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	08/14/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	15:45
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	E3880	**Hood ID:**	4,5,6,7	**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	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
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	E3954
Baked Na2SO4	N/A	EP2632
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
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.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/14/25	RS (Ext lab)	RC/SVOC
15:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169275

Analytical Method: M3510C,3580A-Extraction SVOC-21 **Concentration Date:** 08/14/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169212TB	PB169212TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB169275BL	PB169275BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB169275BS	PB169275BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q2732-03	WC-A7-01-C	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q2832-02	TG-S01	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q2832-02MS	TG-S01MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q2832-02MSD	TG-S01MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q2832-04	TG-S02	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q2832-06	TG-S03	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q2832-08	TG-S04	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q2832-10	TG-S05	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q2836-03	WC-A2-15-C	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q2836-07	WC-A2-16-C	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
Q2836-11	WC-A2-17-C	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
Q2836-15	WC-A5-02-C	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
Q2838-04	TP-11	TCLP BNA	100	6	RUPESH	ritesh	1	A		16
Q2838-08	TP-10	TCLP BNA	100	6	RUPESH	ritesh	1	A		17

RS 8/14

* **Extracts relinguished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169212

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB169212TB	LEB212	13	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2732-03	WC-A7-01-C	01	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q2832-02	TG-S01	02	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2832-04	TG-S02	03	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2832-06	TG-S03	04	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2832-08	TG-S04	05	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2832-10	TG-S05	06	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2836-03	WC-A2-15-C	07	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-07	WC-A2-16-C	08	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2836-11	WC-A2-17-C	09	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-15	WC-A5-02-C	10	100.02	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q2838-04	TP-11	11	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2838-08	TP-10	12	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2

08/13/25
12:00

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. Q 2832
COC Number 2045382

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 100 Abrams Ave
CITY Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Replacement of Sarkum Bridges
PROJECT NO.: LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: GJC@bemsys.com
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Yazmen Gurgel PHONE: 908-728-3978

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 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 BEM EDD

ANALYSIS

1: TCL-SVOCs+TICs
2: TCL-VOCs+TICs
3: PCBs
4: ERH
5: TAL Metals
6: TCLP Full Suite
7: RCRA (RIC)
8: CT NJ (CT ETPH)
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	TG-501	S		X	8/11/25	0815	9	X	X	X	X	X	X	X	X		
2.	TG-502					0915	9										
3.	TG-503					1110	9										
4.	TG-504					1345	9										
5.	TG-505				8/12/25	0725	9										
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8/12/25 0910	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 1.9 °C
Comments: Ice Chest

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2832 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 8/12/2025 9:37:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 8/12/2025 9:10:00 AM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2832-01	TG-S01	Solid	08/11/2025	08:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2832-03	TG-S02	Solid	08/11/2025	09:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2832-05	TG-S03	Solid	08/11/2025	11:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2832-07	TG-S04	Solid	08/11/2025	13:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2832-09	TG-S05	Solid	08/12/2025	07:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : [signature]
Date / Time : 8/12/25 1015

Received By : [signature]
Date / Time : 08/12/25 10:15

Storage Area : **VOA Refridgerator Room**