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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q3399	**OrderDate:**	10/20/2025 1:23:08 PM
Client:	ICE Service Group, Inc.	**Project:**	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3399-01	**COMP-ROLLOFF**	**SOIL**			**10/20/25**			**10/20/25**
			SVOC-TCL BNA -20	8270E		10/22/25	10/22/25	
Q3399-02	**COMP-ROLLOFF**	**TCLP**			**10/20/25**			**10/20/25**
			TCLP BNA	8270E		10/22/25	10/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3399

Client: ICE Service Group, Inc.

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

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Surrogate Summary

SW-846

SDG No.: Q3399

Client: ICE Service Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170172TB	PB170172TB	2-Fluorophenol	150	146	98		23	138
		Phenol-d6	150	136	91		10	134
		Nitrobenzene-d5	100	80.4	80		67	132
		2-Fluorobiphenyl	100	77.1	77		52	132
		2,4,6-Tribromophenol	150	129	86		44	137
		Terphenyl-d14	100	89.0	89		42	152
PB170216BL	PB170216BL	2-Fluorophenol	150	151	101		23	138
		Phenol-d6	150	142	95		10	134
		Nitrobenzene-d5	100	78.7	79		67	132
		2-Fluorobiphenyl	100	76.6	77		52	132
		2,4,6-Tribromophenol	150	131	87		44	137
		Terphenyl-d14	100	80.4	80		42	152
PB170216BS	PB170216BS	2-Fluorophenol	150	140	93		23	138
		Phenol-d6	150	138	92		10	134
		Nitrobenzene-d5	100	72.9	73		67	132
		2-Fluorobiphenyl	100	69.3	69		52	132
		2,4,6-Tribromophenol	150	119	79		44	137
		Terphenyl-d14	100	83.4	83		42	152
Q3368-06MS	OUTSIDE-DUMPSTERMS	2-Fluorophenol	150	148	99		23	138
		Phenol-d6	150	141	94		10	134
		Nitrobenzene-d5	100	85.5	85		67	132
		2-Fluorobiphenyl	100	74.5	75		52	132
		2,4,6-Tribromophenol	150	140	94		44	137
		Terphenyl-d14	100	72.8	73		42	152
Q3368-06MSD	OUTSIDE-DUMPSTERMSD	2-Fluorophenol	150	145	97		23	138
		Phenol-d6	150	137	91		10	134
		Nitrobenzene-d5	100	83.9	84		67	132
		2-Fluorobiphenyl	100	76.9	77		52	132
		2,4,6-Tribromophenol	150	125	83		44	137
		Terphenyl-d14	100	66.0	66		42	152
Q3399-02	COMP-ROLLOFF	2-Fluorophenol	150	120	80		23	138
		Phenol-d6	150	101	67		10	134
		Nitrobenzene-d5	100	78.0	78		67	132
		2-Fluorobiphenyl	100	70.9	71		52	132
		2,4,6-Tribromophenol	150	116	77		44	137
		Terphenyl-d14	100	87.5	88		42	152

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3399 **Analytical Method:** SW8270E

Client: ICE Service Group, Inc. **DataFile:** BP026006.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3368-06MS		**Client Sample ID: OUTSIDE-DUMPSTERMS**									
Pyridine	500	0	370	ug/L	74				10	109	
1,4-Dichlorobenzene	500	0	400	ug/L	80				55	125	
2-Methylphenol	500	0	530	ug/L	106				60	131	
3+4-Methylphenols	500	0	520	ug/L	104				54	136	
Hexachloroethane	500	0	390	ug/L	78				19	146	
Nitrobenzene	500	0	470	ug/L	94				62	112	
Hexachlorobutadiene	500	0	410	ug/L	82				52	125	
2,4,6-Trichlorophenol	500	0	510	ug/L	102				78	112	
2,4,5-Trichlorophenol	500	0	530	ug/L	106				71	111	
2,4-Dinitrotoluene	500	0	530	ug/L	106				74	137	
Hexachlorobenzene	500	0	460	ug/L	92				72	115	
Pentachlorophenol	1000	0	1100	ug/L	110				52	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3399 **Analytical Method:** SW8270E

Client: ICE Service Group, Inc. **DataFile:** BP026007.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3368-06MSD		**Client Sample ID: OUTSIDE-DUMPSTERMSD**									
Pyridine	500	0	340	ug/L	68		8		10	109	20
1,4-Dichlorobenzene	500	0	390	ug/L	78		3		55	125	20
2-Methylphenol	500	0	510	ug/L	102		4		60	131	20
3+4-Methylphenols	500	0	490	ug/L	98		6		54	136	20
Hexachloroethane	500	0	390	ug/L	78		0		19	146	20
Nitrobenzene	500	0	460	ug/L	92		2		62	112	20
Hexachlorobutadiene	500	0	400	ug/L	80		2		52	125	20
2,4,6-Trichlorophenol	500	0	500	ug/L	100		2		78	112	20
2,4,5-Trichlorophenol	500	0	500	ug/L	100		6		71	111	20
2,4-Dinitrotoluene	500	0	490	ug/L	98		8		74	137	20
Hexachlorobenzene	500	0	470	ug/L	94		2		72	115	20
Pentachlorophenol	1000	0	980	ug/L	98		12		52	162	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3399 **Analytical Method:** 8270E

Client: ICE Service Group, Inc. **DataFile:** BP026003.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170216BS	Pyridine	50	35.7	ug/L	71				29	97	
	1,4-Dichlorobenzene	50	42.6	ug/L	85				76	103	
	2-Methylphenol	50	50.9	ug/L	102				69	109	
	3+4-Methylphenols	50	49.5	ug/L	99				67	106	
	Hexachloroethane	50	42.5	ug/L	85				76	118	
	Nitrobenzene	50	45.3	ug/L	91				58	106	
	Hexachlorobutadiene	50	41.2	ug/L	82				69	101	
	2,4,6-Trichlorophenol	50	45.6	ug/L	91				61	110	
	2,4,5-Trichlorophenol	50	47.0	ug/L	94				70	106	
	2,4-Dinitrotoluene	50	47.2	ug/L	94				60	115	
	Hexachlorobenzene	50	42.2	ug/L	84				73	106	
	Pentachlorophenol	100	94.1	ug/L	94				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170216BL

Lab Name: Alliance | Contract: ICES02

Lab Code: ACE | SDG NO.: Q3399

Lab File ID: BP026002.D | Lab Sample ID: PB170216BL

Instrument ID: BNA_P | Date Extracted: 10/22/2025

Matrix: (soil/water) water | Date Analyzed: 10/22/2025

Level: (low/med) LOW | Time Analyzed: 17:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170216BS	PB170216BS	BP026003.D	10/22/2025
OUTSIDE-DUMPSTERMS	Q3368-06MS	BP026006.D	10/22/2025
OUTSIDE-DUMPSTERMSD	Q3368-06MSD	BP026007.D	10/22/2025
COMP-ROLLOFF	Q3399-02	BP026008.D	10/22/2025
PB170172TB	PB170172TB	BP026004.D	10/22/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: ICES02

Lab Code: ACE — SDG NO.: Q3399

Lab File ID: BP025971.D — DFTPP Injection Date: 10/15/2025

Instrument ID: BNA_P — DFTPP Injection Time: 11:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	31.4
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	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	92.9
443	15.0 - 24.0% of mass 442	18 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP025972.D	10/15/2025	11:45
SSTDICC005	SSTDICC005	BP025973.D	10/15/2025	12:26
SSTDICC010	SSTDICC010	BP025974.D	10/15/2025	13:07
SSTDICC020	SSTDICC020	BP025975.D	10/15/2025	13:48
SSTDICCC040	SSTDICCC040	BP025976.D	10/15/2025	14:29
SSTDICC050	SSTDICC050	BP025977.D	10/15/2025	15:51
SSTDICC060	SSTDICC060	BP025978.D	10/15/2025	17:13
SSTDICC080	SSTDICC080	BP025979.D	10/15/2025	18:35

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3399

Lab File ID: BP026000.D DFTPP Injection Date: 10/22/2025

Instrument ID: BNA_P DFTPP Injection Time: 15:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36.6
70	Less than 2.0% of mass 69	0.2 (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	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	71.5
443	15.0 - 24.0% of mass 442	14.1 (19.8) 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	BP026001.D	10/22/2025	16:33
PB170216BL	PB170216BL	BP026002.D	10/22/2025	17:14
PB170216BS	PB170216BS	BP026003.D	10/22/2025	17:55
PB170172TB	PB170172TB	BP026004.D	10/22/2025	18:36
OUTSIDE-DUMPSTERMS	Q3368-06MS	BP026006.D	10/22/2025	19:58
OUTSIDE-DUMPSTERMSD	Q3368-06MSD	BP026007.D	10/22/2025	20:39
COMP-ROLLOFF	Q3399-02	BP026008.D	10/22/2025	21:20

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3399

Client ID : SSTDCCC040 Date Analyzed: 10/22/2025

Lab File ID: BP026001.D Time Analyzed: 16:33

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	168370	7.696	761230	10.47	536314	14.32
	UPPER LIMIT	336740	8.196	1522460	10.966	1072630	14.819
	LOWER LIMIT	84185	7.196	380615	9.966	268157	13.819
	EPA SAMPLE NO.						
01	PB170216BL	155512	7.70	659805	10.48	488964	14.33
02	PB170216BS	157158	7.69	711577	10.46	515285	14.32
03	PB170172TB	158418	7.70	655423	10.47	478330	14.33
04	OUTSIDE-DUMPSTERMS	151873	7.70	669626	10.45	496531	14.32
05	OUTSIDE-DUMPSTERMSD	161283	7.70	704129	10.45	487784	14.32
06	COMP-ROLLOFF	161883	7.70	654901	10.46	467312	14.33

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3399

Client ID: SSTDCCC040 Date Analyzed: 10/22/2025

Lab File ID: BP026001.D Time Analyzed: 16:33

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	1039540	17.136	757701	21.589	741579	24.942
	UPPER LIMIT	2079080	17.636	1515400	22.089	1483160	25.442
	LOWER LIMIT	519770	16.636	378851	21.089	370790	24.442
	EPA SAMPLE NO.						
01	PB170216BL	1075570	17.14	1037000	21.60	885650	24.95
02	PB170216BS	1020670	17.13	759603	21.57	736047	24.92
03	PB170172TB	1022180	17.14	810364	21.59	659354	24.94
04	OUTSIDE-DUMPSTERMS	1001020	17.13	716871	21.58	678648	24.91
05	OUTSIDE-DUMPSTERMSD	880724	17.13	591108	21.58	690323	24.92
06	COMP-ROLLOFF	948799	17.14	663420	21.59	691050	24.94

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

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

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

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TECHNICAL GROUP

SAMPLE DATA

Raw Data: **BP026004.D**

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Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/22/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/22/25
Client Sample ID:	PB170172TB	SDG No.:	Q3399
Lab Sample ID:	PB170172TB	Matrix:	TCLP
Analytical Method:	8270E Level : LOW	% Solid:	0
Sample Wt/Vol:	100 mL Final Vol: 1000 uL	Test:	TCLP BNA
Prep Method :	SW3541 Prep Date: 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	50.0	U	1	12.8	50.0	ug/L	10/22/25 18:36	PB170216
106-46-7	1,4-Dichlorobenzene	50.0	U	1	5.30	50.0	ug/L	10/22/25 18:36	PB170216
95-48-7	2-Methylphenol	50.0	U	1	11.2	50.0	ug/L	10/22/25 18:36	PB170216
65794-96-9	3+4-Methylphenols	100	U	1	11.0	100	ug/L	10/22/25 18:36	PB170216
67-72-1	Hexachloroethane	50.0	U	1	6.50	50.0	ug/L	10/22/25 18:36	PB170216
98-95-3	Nitrobenzene	50.0	U	1	7.60	50.0	ug/L	10/22/25 18:36	PB170216
87-68-3	Hexachlorobutadiene	50.0	U	1	5.40	50.0	ug/L	10/22/25 18:36	PB170216
88-06-2	2,4,6-Trichlorophenol	50.0	U	1	5.10	50.0	ug/L	10/22/25 18:36	PB170216
95-95-4	2,4,5-Trichlorophenol	50.0	U	1	6.20	50.0	ug/L	10/22/25 18:36	PB170216
121-14-2	2,4-Dinitrotoluene	50.0	U	1	12.2	50.0	ug/L	10/22/25 18:36	PB170216
118-74-1	Hexachlorobenzene	50.0	U	1	5.20	50.0	ug/L	10/22/25 18:36	PB170216
87-86-5	Pentachlorophenol	100	U	1	15.8	100	ug/L	10/22/25 18:36	PB170216
SURROGATES									
367-12-4	2-Fluorophenol	146			23 - 138	98%	SPK: 150		
13127-88-3	Phenol-d6	136			10 - 134	91%	SPK: 150		
4165-60-0	Nitrobenzene-d5	80.4			67 - 132	80%	SPK: 100		
321-60-8	2-Fluorobiphenyl	77.1			52 - 132	77%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	129			44 - 137	86%	SPK: 150		
1718-51-0	Terphenyl-d14	89.0			42 - 152	89%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	158000							
1146-65-2	Naphthalene-d8	655000							
15067-26-2	Acenaphthene-d10	478000							
1517-22-2	Phenanthrene-d10	1020000							
1719-03-5	Chrysene-d12	810000							
1520-96-3	Perylene-d12	659000							

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\BP102225\
Data File : BP026004.D
Acq On : 22 Oct 2025 18:36
Operator : RC/JU
Sample : PB170172TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170172TB

Quant Time: Oct 22 18:56:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

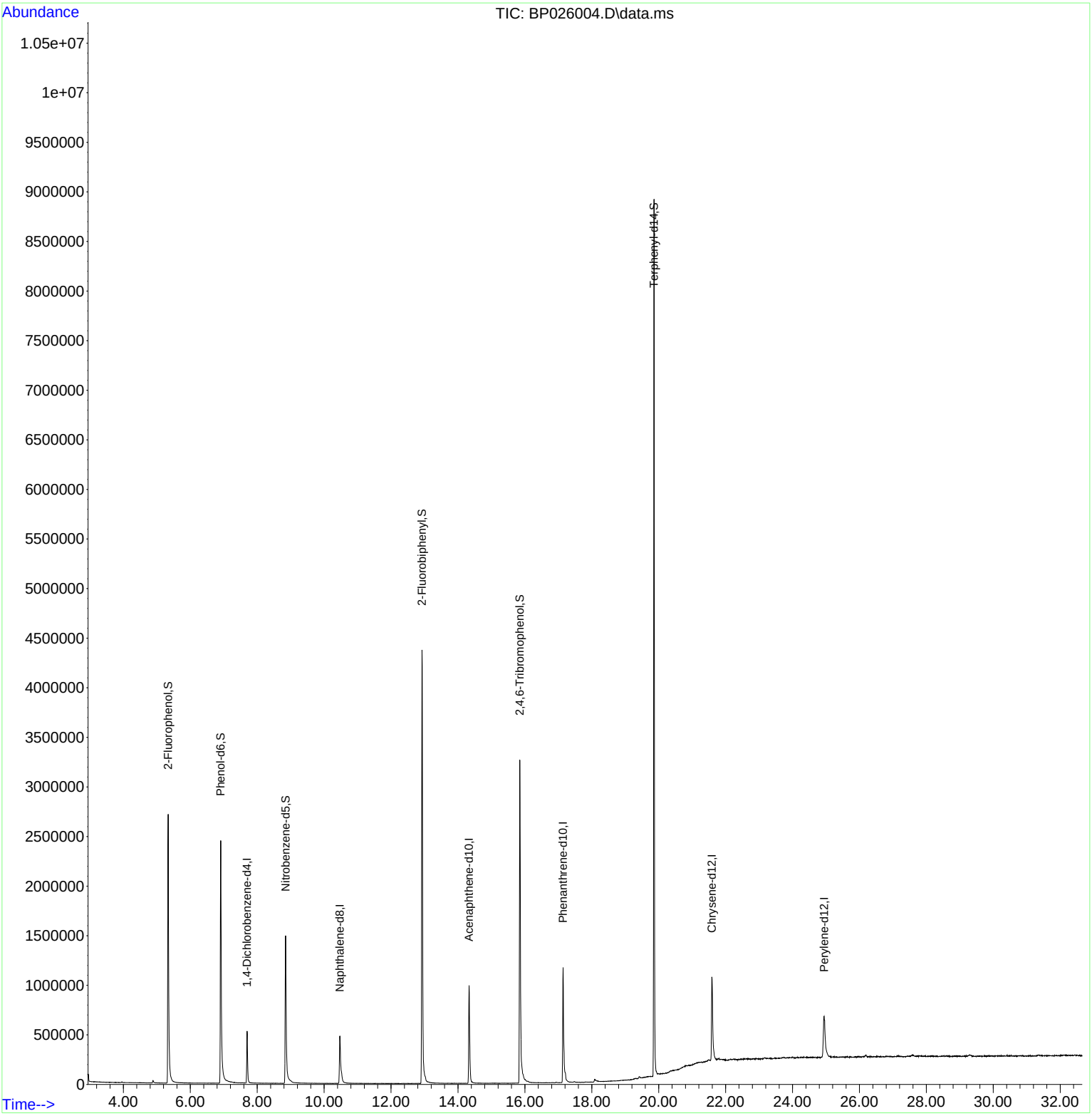
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.696	152	158418	20.000	ng	0.00
21) Naphthalene-d8	10.466	136	655423	20.000	ng	0.00
39) Acenaphthene-d10	14.331	164	478330	20.000	ng	0.01
64) Phenanthrene-d10	17.142	188	1022176	20.000	ng	0.02
76) Chrysene-d12	21.589	240	810364	20.000	ng	0.00
86) Perylene-d12	24.942	264	659354	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.337	112	1413423	146.281	ng	0.00
7) Phenol-d6	6.908	99	1837501	136.271	ng	0.00
23) Nitrobenzene-d5	8.849	82	1171809	80.361	ng	0.00
42) 2,4,6-Tribromophenol	15.848	330	831760	129.167	ng	0.00
45) 2-Fluorobiphenyl	12.925	172	2877049	77.093	ng	0.00
79) Terphenyl-d14	19.860	244	4514853	89.041	ng	0.00
Target Compounds						Qvalue

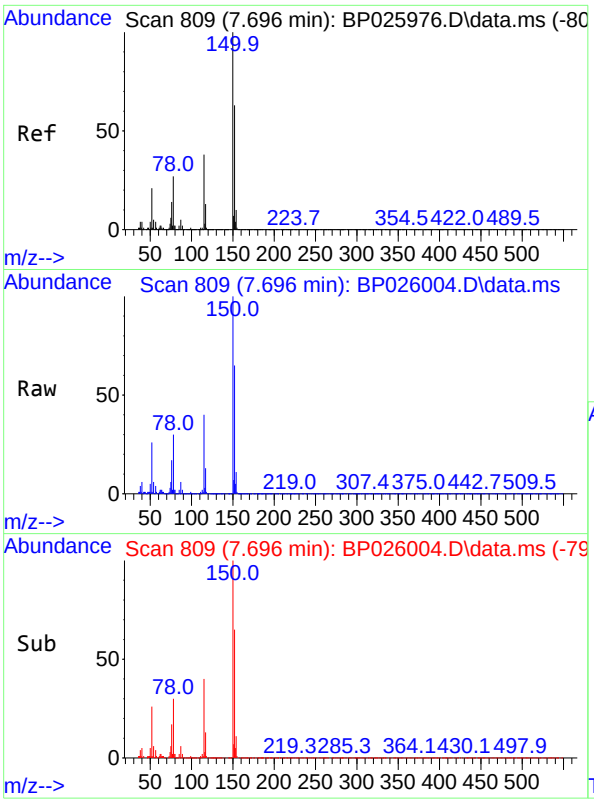
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026004.D
Acq On : 22 Oct 2025 18:36
Operator : RC/JU
Sample : PB170172TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170172TB

Quant Time: Oct 22 18:56:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration



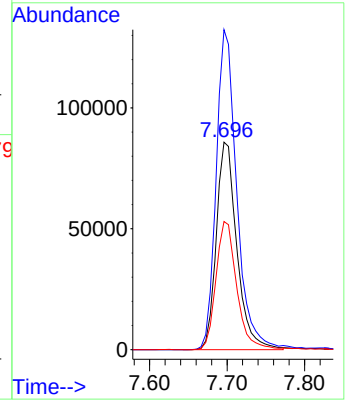


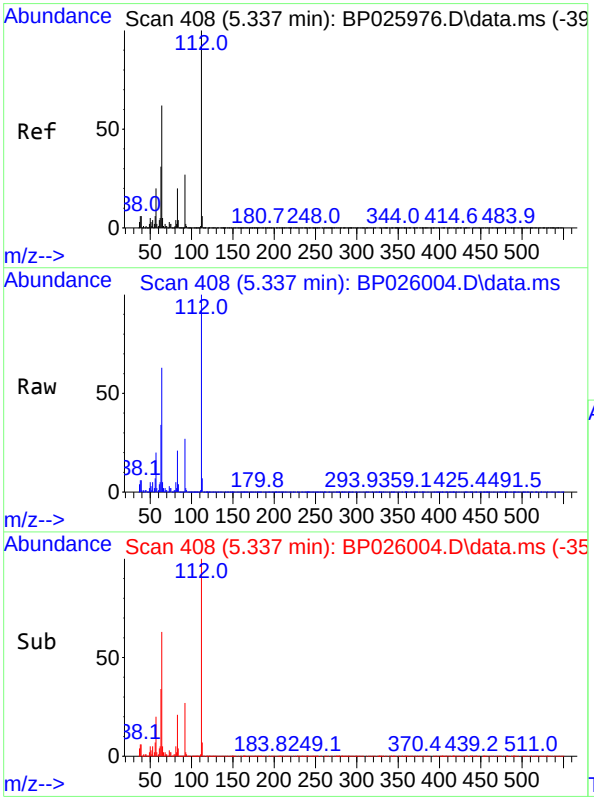
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.696 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Instrument :
BNA_P
ClientSampleId :
PB170172TB

Tgt Ion:152 Resp: 158418

Ion	Ratio	Lower	Upper
152	100		
150	154.2	127.3	190.9
115	61.7	48.7	73.1

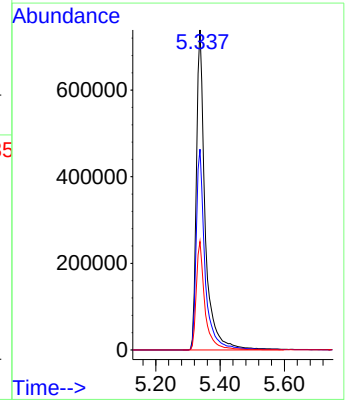


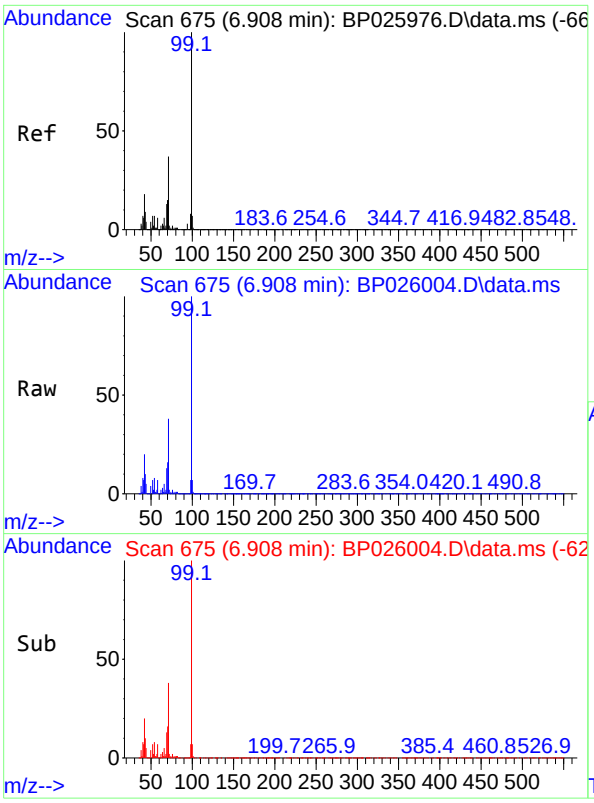


#5
2-Fluorophenol
Concen: 146.281 ng
RT: 5.337 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Tgt Ion:112 Resp: 1413423

Ion	Ratio	Lower	Upper
112	100		
64	62.8	49.9	74.9
63	33.9	24.9	37.3



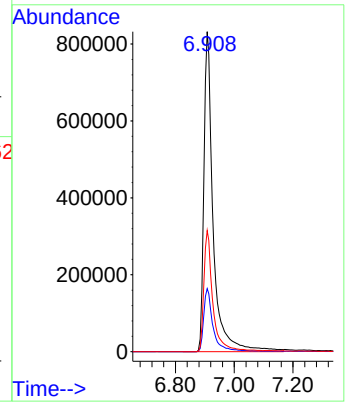


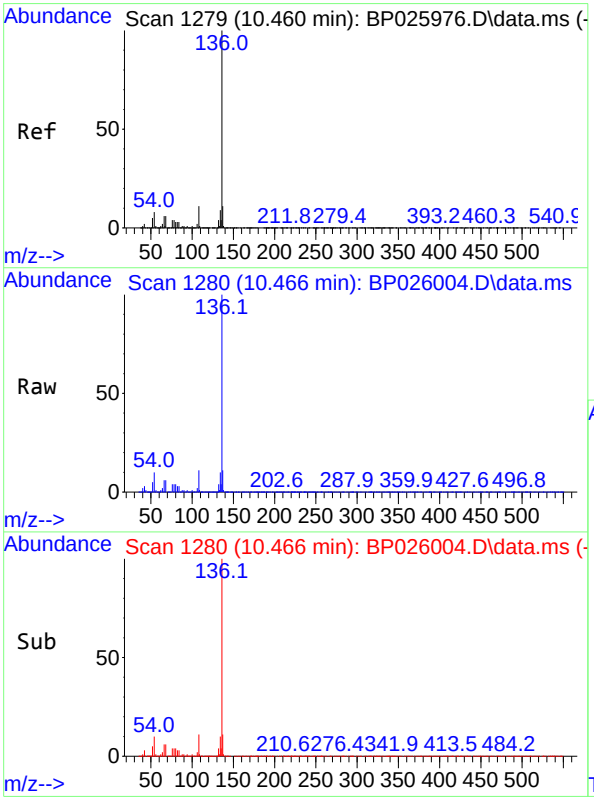
#7
Phenol-d6
Concen: 136.271 ng
RT: 6.908 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Instrument :
BNA_P
ClientSampleId :
PB170172TB

Tgt Ion: 99 Resp: 1837501

Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.2	21.4
71	37.8	29.4	44.0

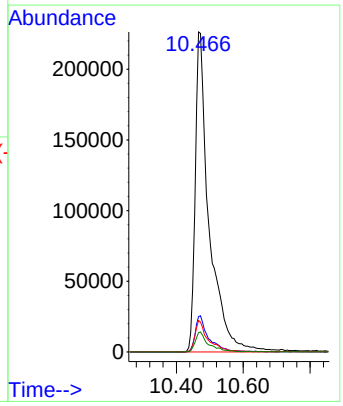


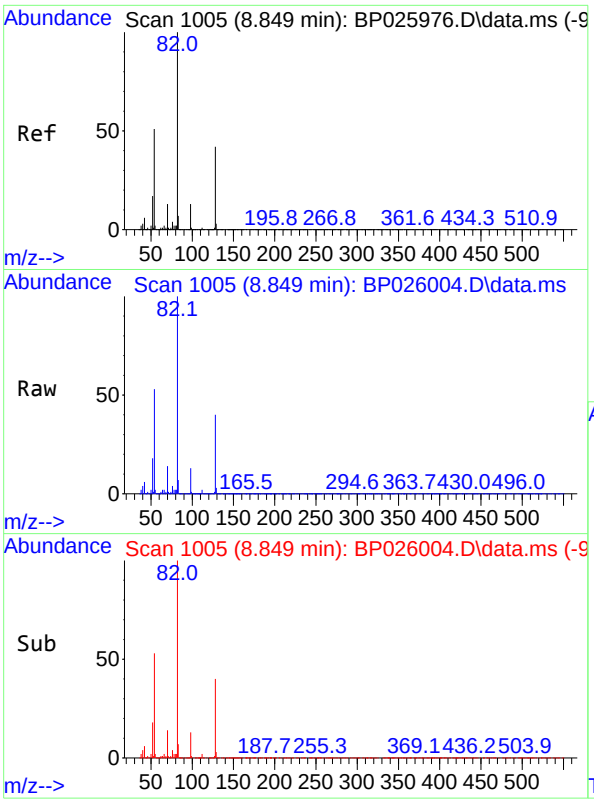


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.466 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Tgt Ion:136 Resp: 655423

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	9.8	6.8	10.2
68	6.1	4.5	6.7



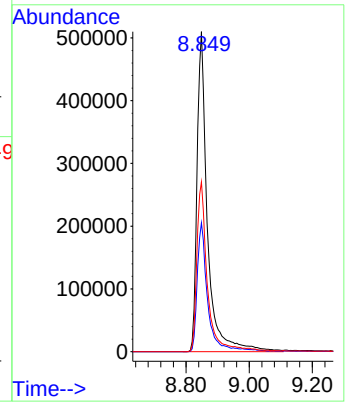


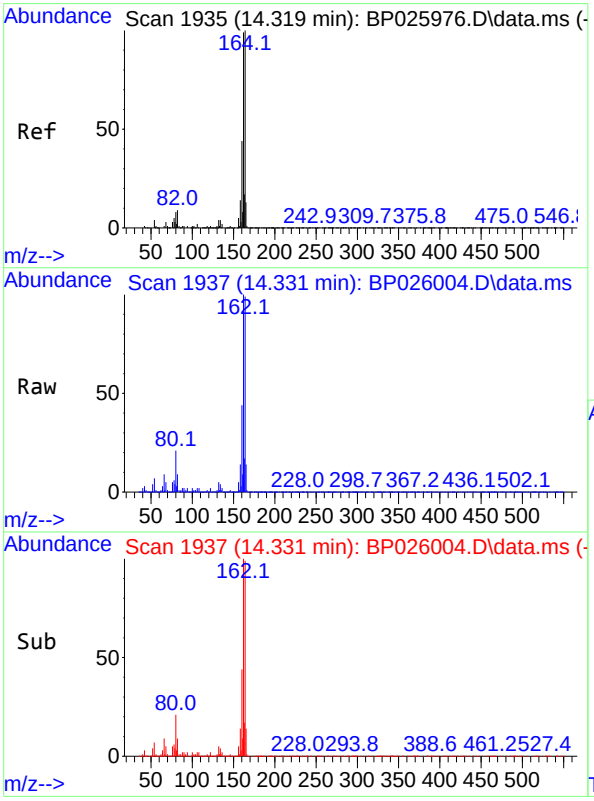
#23
Nitrobenzene-d5
Concen: 80.361 ng
RT: 8.849 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Instrument :
BNA_P
ClientSampleId :
PB170172TB

Tgt Ion: 82 Resp: 1171809

Ion	Ratio	Lower	Upper
82	100		
128	40.2	33.6	50.4
54	53.1	40.6	61.0

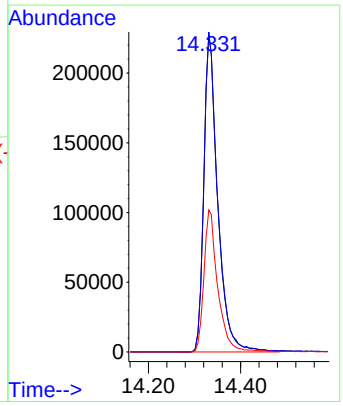


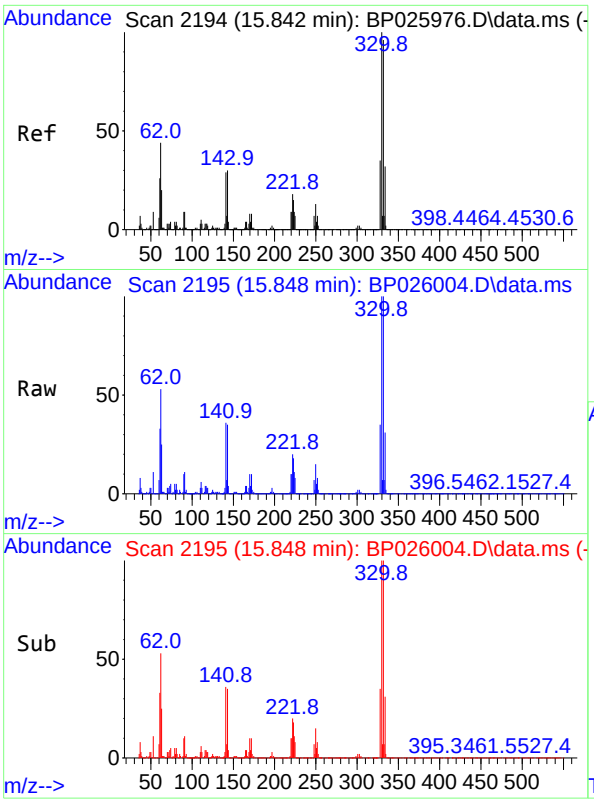


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.331 min Scan# 1937
Delta R.T. 0.012 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Tgt Ion:164 Resp: 478330

Ion	Ratio	Lower	Upper
164	100		
162	100.8	79.3	118.9
160	44.7	35.4	53.0



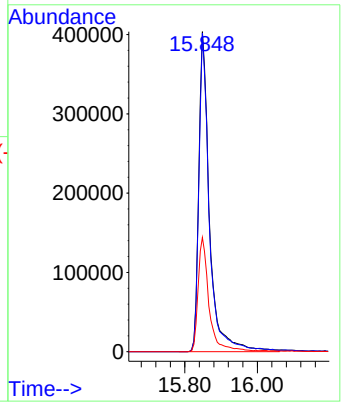


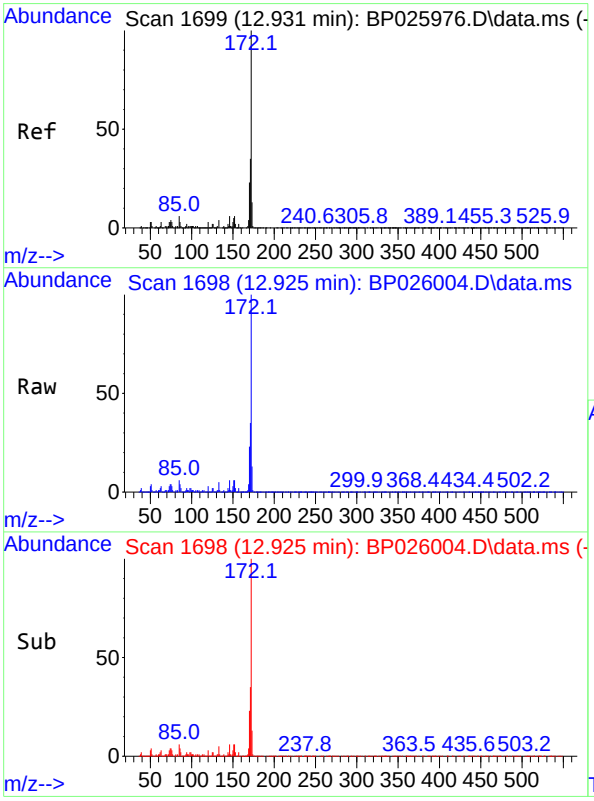
#42
2,4,6-Tribromophenol
Concen: 129.167 ng
RT: 15.848 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Instrument :
BNA_P
ClientSampleId :
PB170172TB

Tgt Ion:330 Resp: 831760

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.8	116.8
141	36.2	25.6	38.4

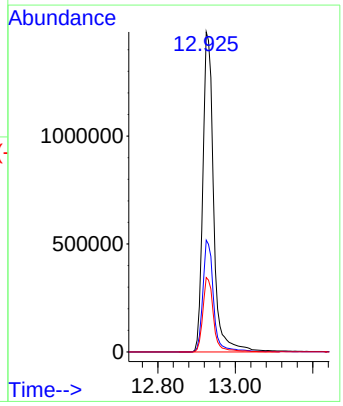


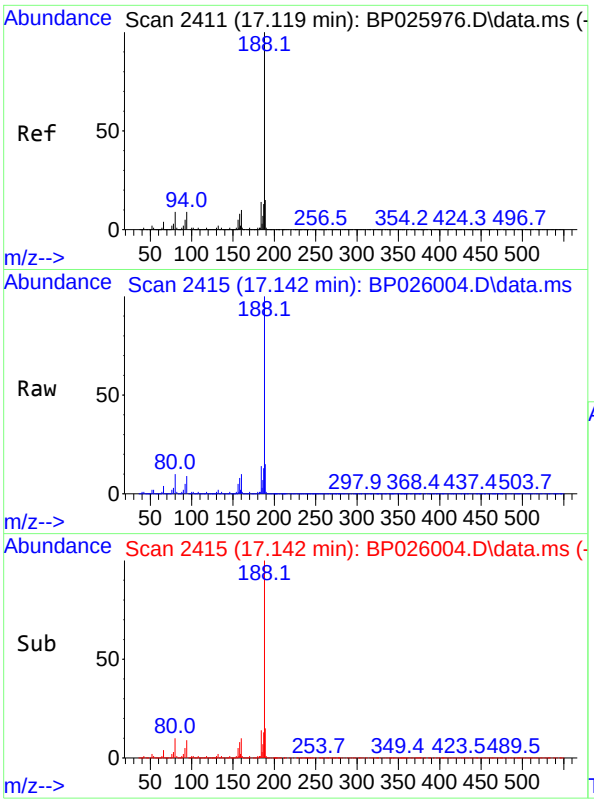


#45
2-Fluorobiphenyl
Concen: 77.093 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Tgt Ion:172 Resp: 2877049

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.8
170	23.3	18.5	27.7



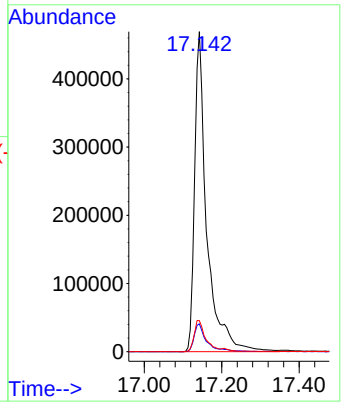


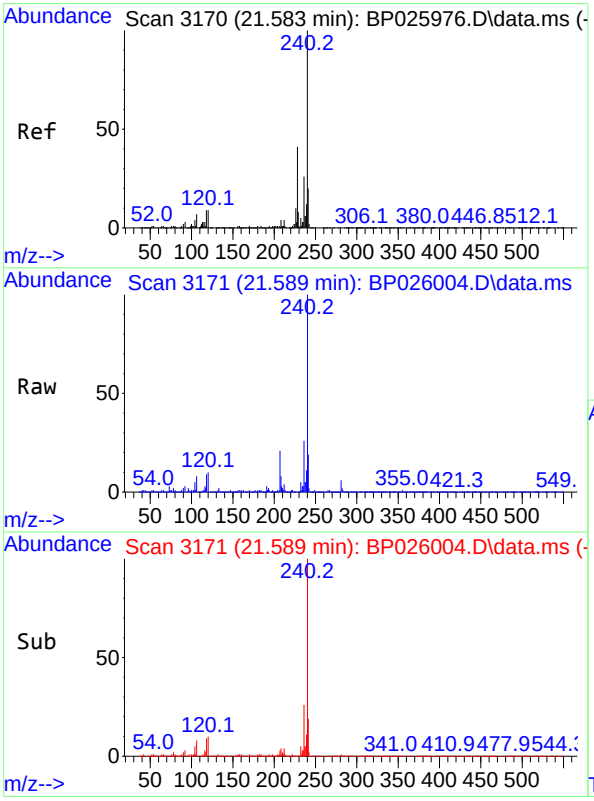
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.142 min Scan# 24
Delta R.T. 0.024 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Instrument :
BNA_P
ClientSampleId :
PB170172TB

Tgt Ion:188 Resp: 1022176

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.8	10.2
80	9.7	7.2	10.8

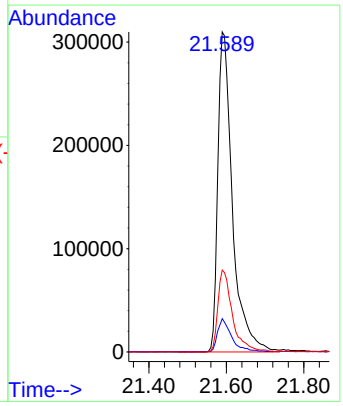


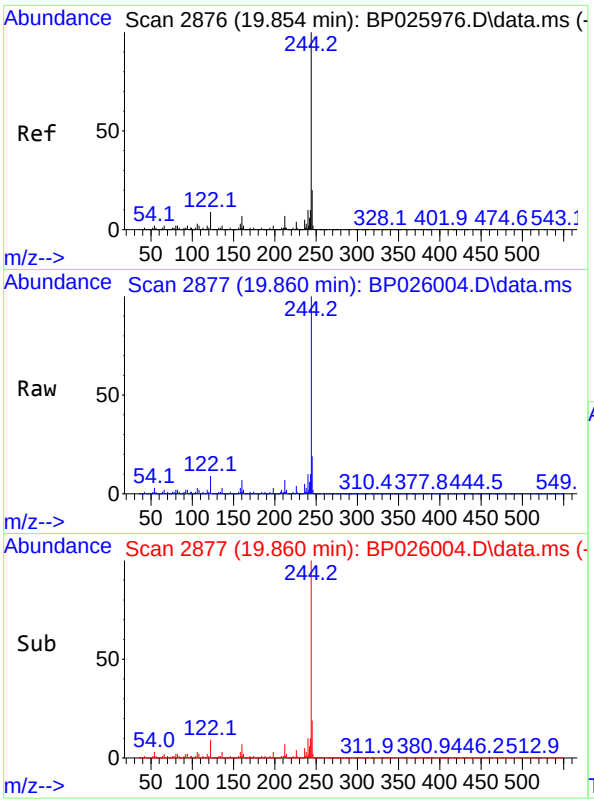


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. 0.006 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Tgt Ion:240 Resp: 810364

Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.4	11.0
236	25.6	20.4	30.6



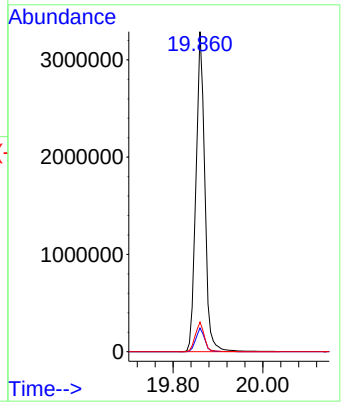


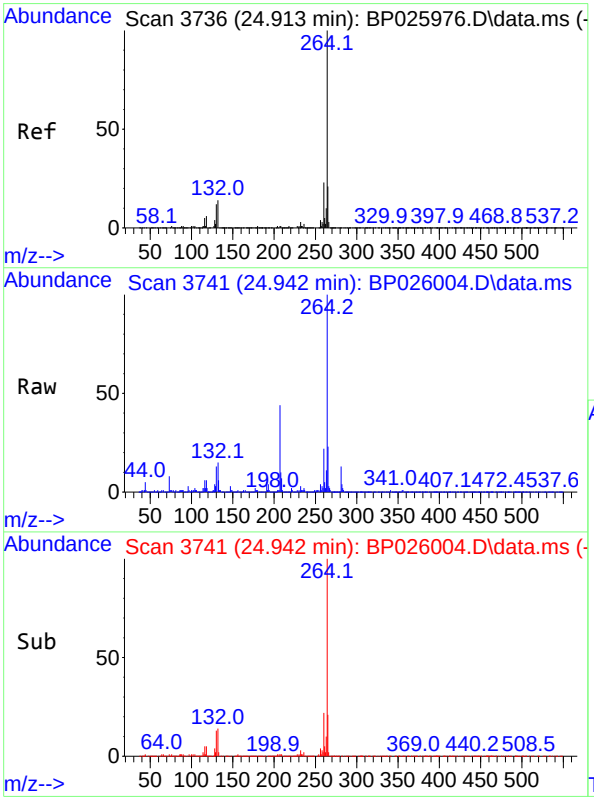
#79
Terphenyl-d14
Concen: 89.041 ng
RT: 19.860 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Instrument :
BNA_P
ClientSampleId :
PB170172TB

Tgt Ion:244 Resp: 4514853

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	9.3	7.1	10.7

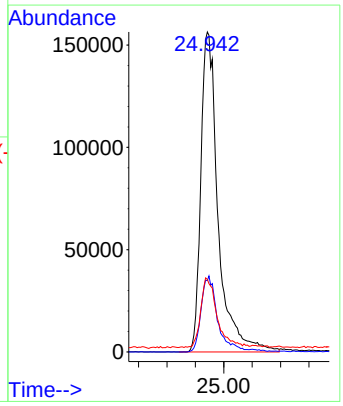




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.942 min Scan# 3741
Delta R.T. 0.029 min
Lab File: BP026004.D
Acq: 22 Oct 2025 18:36

Tgt Ion:264 Resp: 659354

Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.4	27.6
265	22.7	17.7	26.5



Raw Data: **BP026008.D**

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

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFF	SDG No.:	Q3399
Lab Sample ID:	Q3399-02	Matrix:	TCLP
Analytical Method:	8270E Level : LOW	% Solid:	0
Sample Wt/Vol:	100 mL Final Vol: 1000 uL	Test:	TCLP BNA
Prep Method :	SW3541 Prep Date: 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	50.0	U	1	12.8	50.0	ug/L	10/22/25 21:20	PB170216
106-46-7	1,4-Dichlorobenzene	50.0	U	1	5.30	50.0	ug/L	10/22/25 21:20	PB170216
95-48-7	2-Methylphenol	50.0	U	1	11.2	50.0	ug/L	10/22/25 21:20	PB170216
65794-96-9	3+4-Methylphenols	100	U	1	11.0	100	ug/L	10/22/25 21:20	PB170216
67-72-1	Hexachloroethane	50.0	U	1	6.50	50.0	ug/L	10/22/25 21:20	PB170216
98-95-3	Nitrobenzene	50.0	U	1	7.60	50.0	ug/L	10/22/25 21:20	PB170216
87-68-3	Hexachlorobutadiene	50.0	U	1	5.40	50.0	ug/L	10/22/25 21:20	PB170216
88-06-2	2,4,6-Trichlorophenol	50.0	U	1	5.10	50.0	ug/L	10/22/25 21:20	PB170216
95-95-4	2,4,5-Trichlorophenol	50.0	U	1	6.20	50.0	ug/L	10/22/25 21:20	PB170216
121-14-2	2,4-Dinitrotoluene	50.0	U	1	12.2	50.0	ug/L	10/22/25 21:20	PB170216
118-74-1	Hexachlorobenzene	50.0	U	1	5.20	50.0	ug/L	10/22/25 21:20	PB170216
87-86-5	Pentachlorophenol	100	U	1	15.8	100	ug/L	10/22/25 21:20	PB170216
SURROGATES									
367-12-4	2-Fluorophenol	120			23 - 138	80%	SPK: 150		
13127-88-3	Phenol-d6	101			10 - 134	67%	SPK: 150		
4165-60-0	Nitrobenzene-d5	78.0			67 - 132	78%	SPK: 100		
321-60-8	2-Fluorobiphenyl	70.9			52 - 132	71%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	116			44 - 137	77%	SPK: 150		
1718-51-0	Terphenyl-d14	87.5			42 - 152	88%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	162000							
1146-65-2	Naphthalene-d8	655000							
15067-26-2	Acenaphthene-d10	467000							
1517-22-2	Phenanthrene-d10	949000							
1719-03-5	Chrysene-d12	663000							
1520-96-3	Perylene-d12	691000							

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\BP102225\
Data File : BP026008.D
Acq On : 22 Oct 2025 21:20
Operator : RC/JU
Sample : Q3399-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
COMP-ROLLOFF

Quant Time: Oct 23 10:41:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.695	152	161883	20.000	ng	0.00
21) Naphthalene-d8	10.460	136	654901	20.000	ng	0.00
39) Acenaphthene-d10	14.325	164	467312	20.000	ng	0.00
64) Phenanthrene-d10	17.136	188	948799	20.000	ng	0.02
76) Chrysene-d12	21.589	240	663420	20.000	ng	0.00
86) Perylene-d12	24.936	264	691050	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.337	112	1184890	120.004	ng	0.00
7) Phenol-d6	6.907	99	1390233	100.894	ng	0.00
23) Nitrobenzene-d5	8.842	82	1135778	77.952	ng	0.00
42) 2,4,6-Tribromophenol	15.860	330	730049	116.045	ng	0.02
45) 2-Fluorobiphenyl	12.931	172	2585253	70.908	ng	0.00
79) Terphenyl-d14	19.854	244	3633726	87.537	ng	0.00
Target Compounds						Qvalue

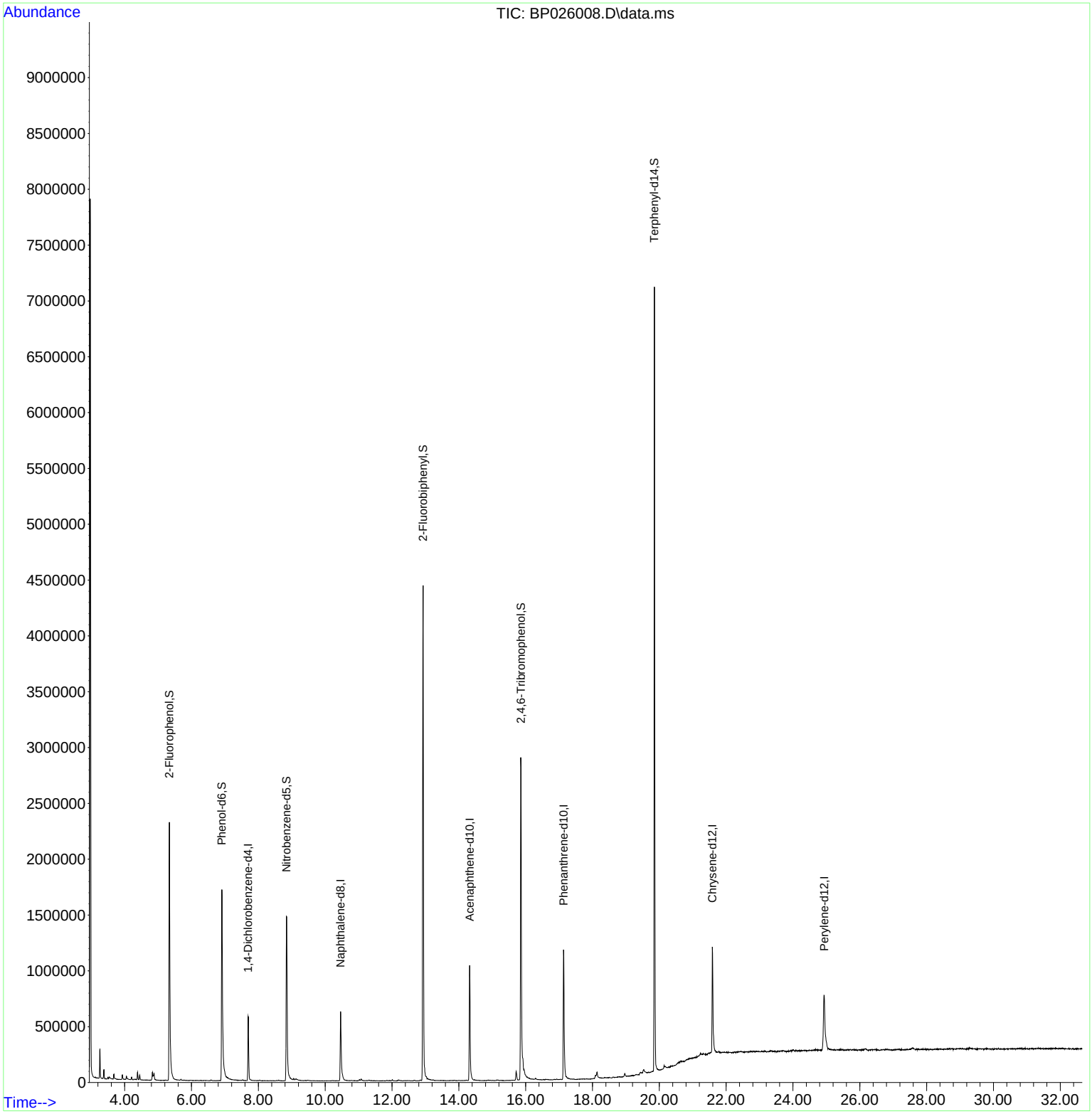
(#) = qualifier out of range (m) = manual integration (+) = signals summed

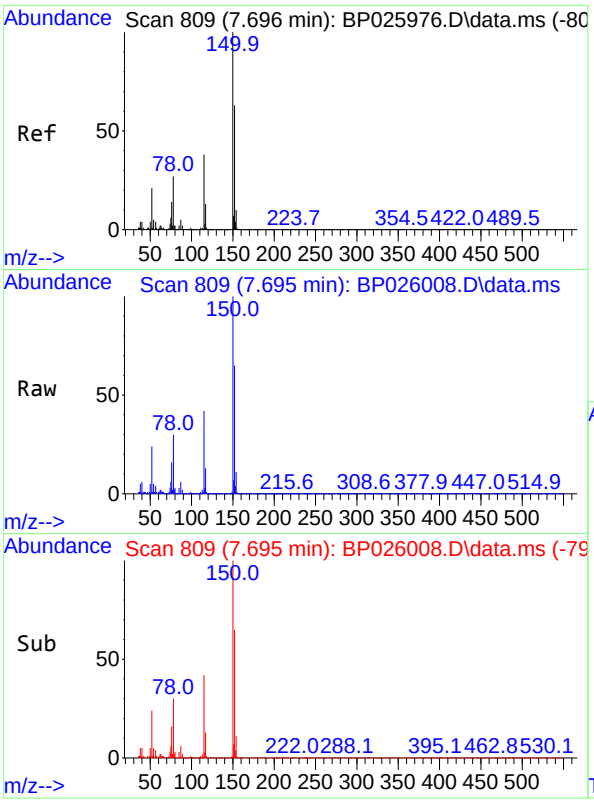
Sample Results: **BP026008.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026008.D
Acq On : 22 Oct 2025 21:20
Operator : RC/JU
Sample : Q3399-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
COMP-ROLLOFF

Quant Time: Oct 23 10:41:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration



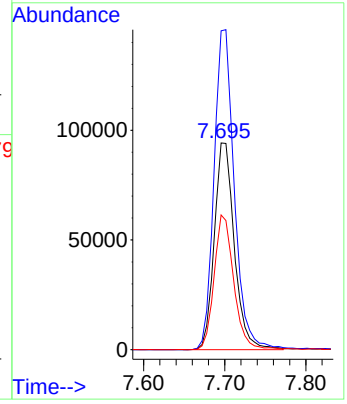


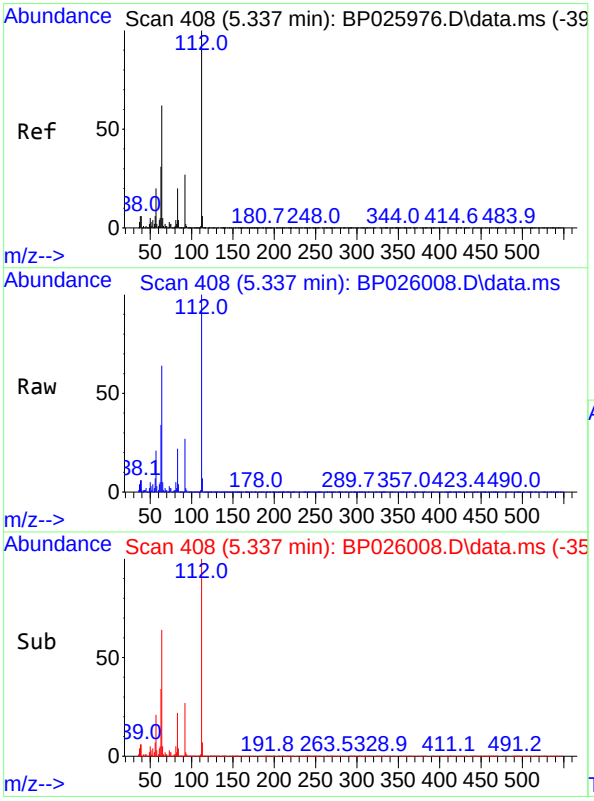
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.695 min Scan# 8
Delta R.T. -0.001 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Instrument :
BNA_P
ClientSampleId :
COMP-ROLLOFF

Tgt Ion:152 Resp: 161883

Ion	Ratio	Lower	Upper
152	100		
150	154.3	127.3	190.9
115	65.2	48.7	73.1

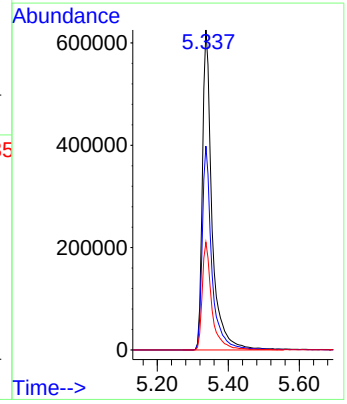


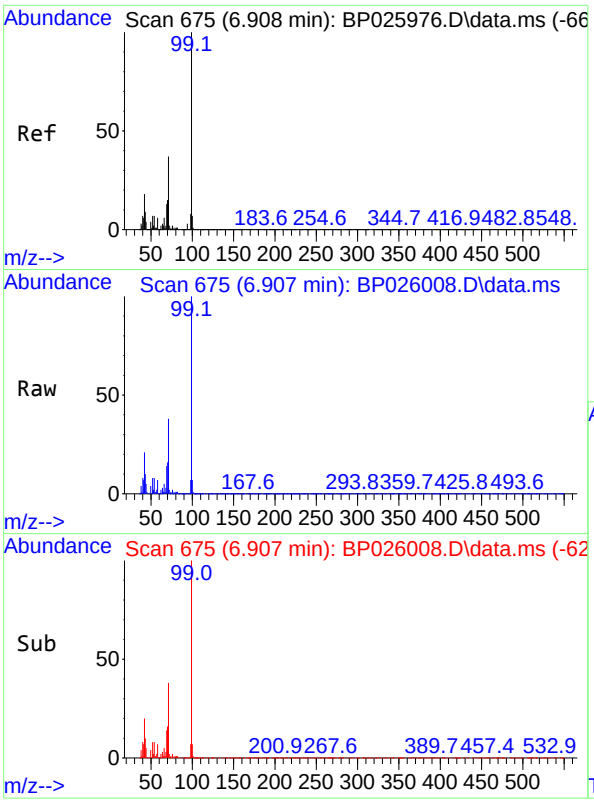


#5
2-Fluorophenol
Concen: 120.004 ng
RT: 5.337 min Scan# 408
Delta R.T. -0.000 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Tgt Ion:112 Resp: 1184890

Ion	Ratio	Lower	Upper
112	100		
64	63.7	49.9	74.9
63	33.7	24.9	37.3



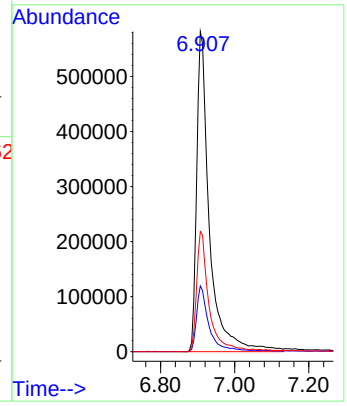


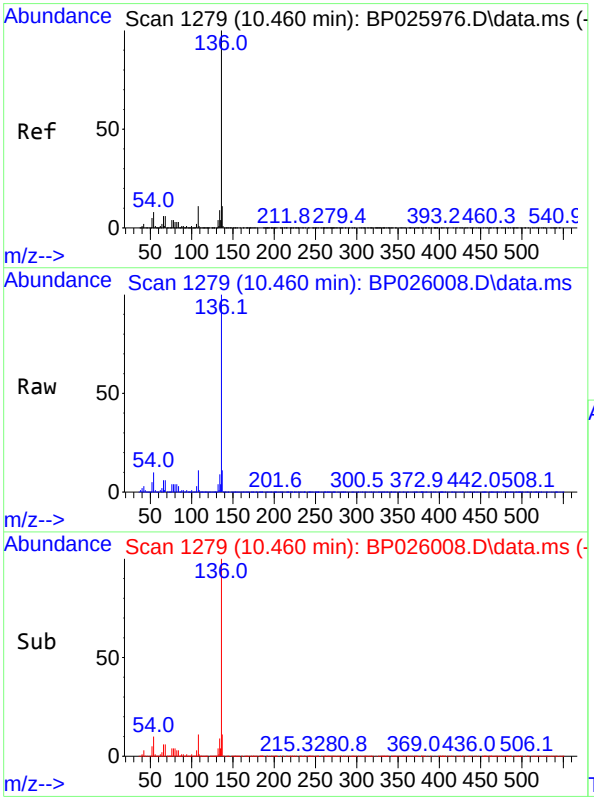
#7
Phenol-d6
Concen: 100.894 ng
RT: 6.907 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Instrument :
BNA_P
ClientSampleId :
COMP-ROLLOFF

Tgt Ion: 99 Resp: 1390233

Ion	Ratio	Lower	Upper
99	100		
42	20.6	14.2	21.4
71	37.6	29.4	44.0

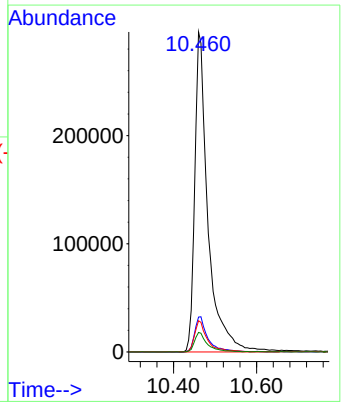


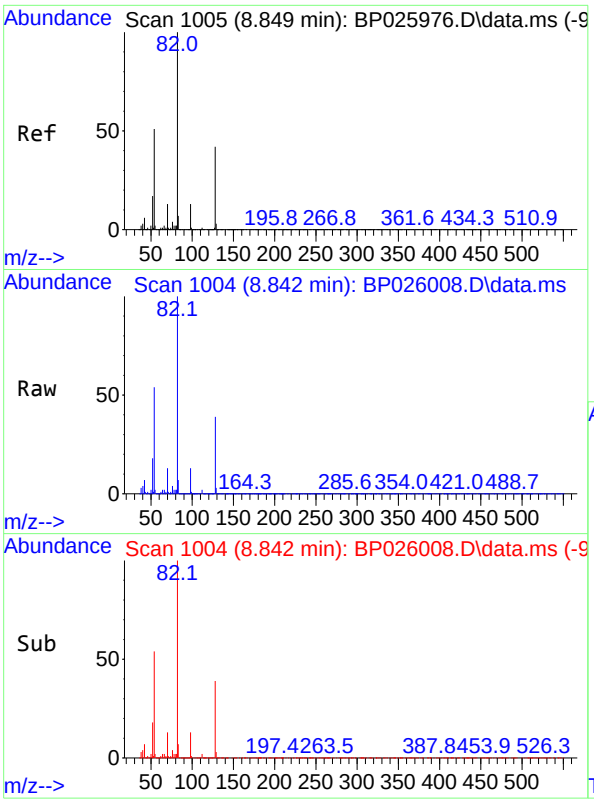


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.460 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Tgt Ion:136 Resp: 654901

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.7	6.8	10.2
68	6.1	4.5	6.7



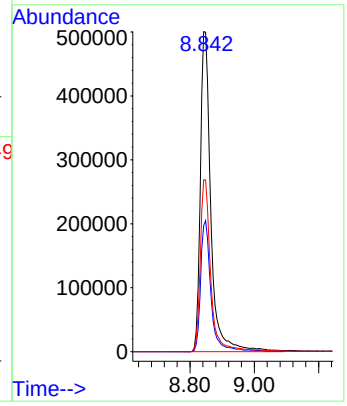


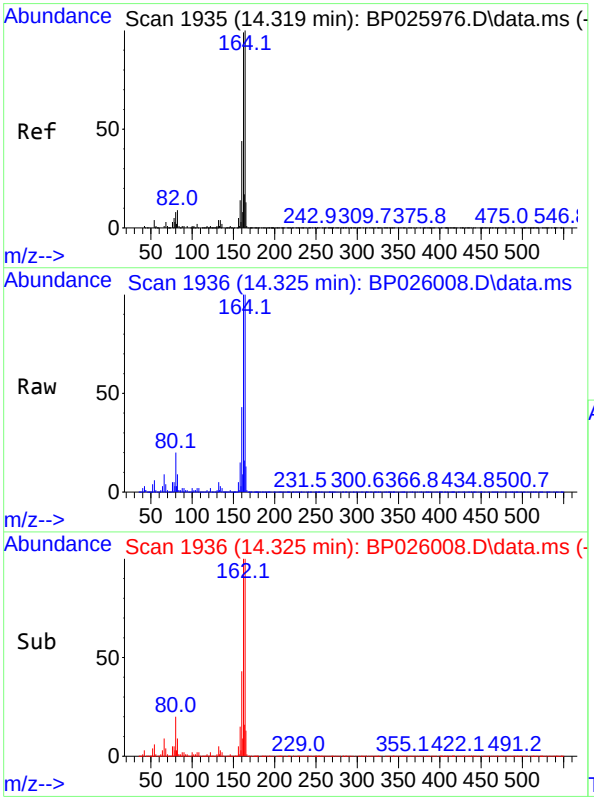
#23
Nitrobenzene-d5
Concen: 77.952 ng
RT: 8.842 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Instrument :
BNA_P
ClientSampleId :
COMP-ROLLOFF

Tgt Ion: 82 Resp: 1135778

Ion	Ratio	Lower	Upper
82	100		
128	39.3	33.6	50.4
54	53.7	40.6	61.0

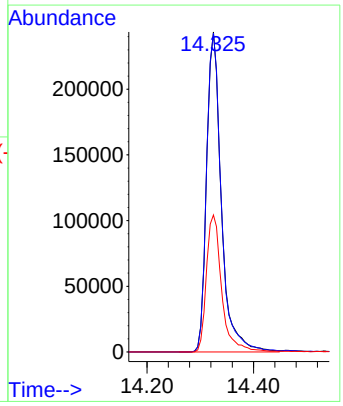


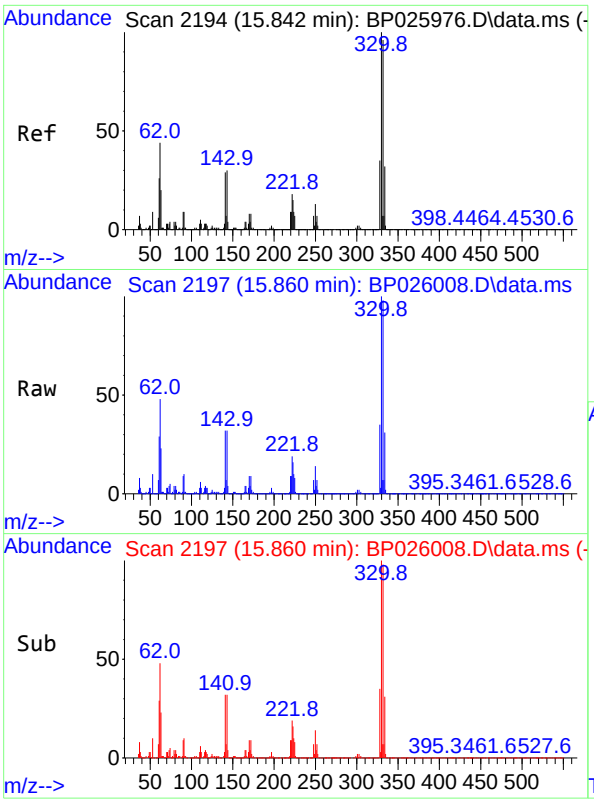


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.325 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Tgt Ion:164 Resp: 467312

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.3	118.9
160	42.8	35.4	53.0



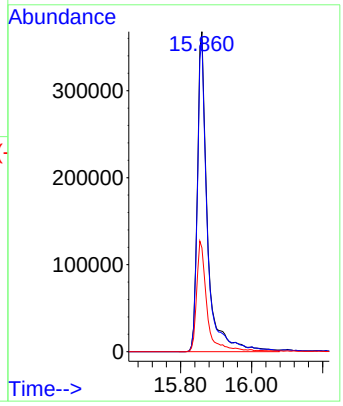


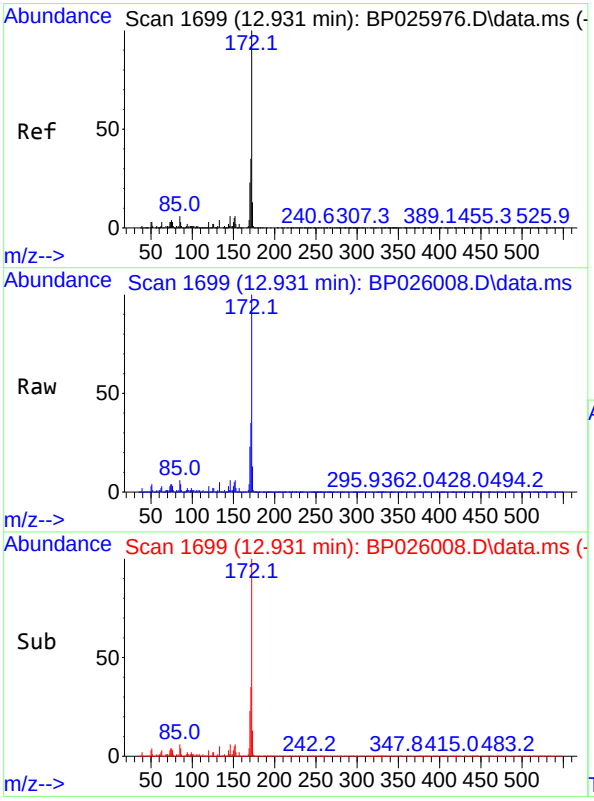
#42
2,4,6-Tribromophenol
Concen: 116.045 ng
RT: 15.860 min Scan# 21
Delta R.T. 0.017 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Instrument :
BNA_P
ClientSampleId :
COMP-ROLLOFF

Tgt Ion:330 Resp: 730049

Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.8	116.8
141	35.3	25.6	38.4

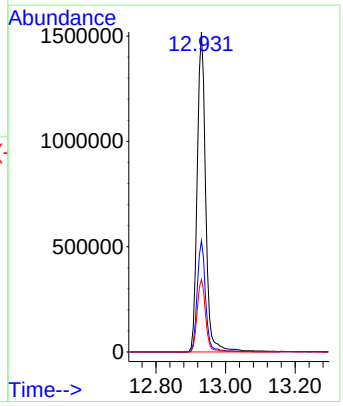


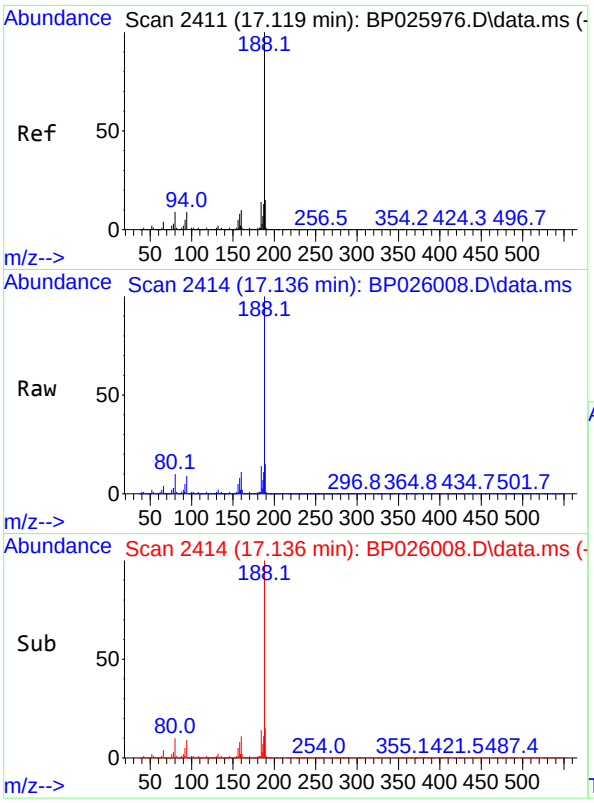


#45
2-Fluorobiphenyl
Concen: 70.908 ng
RT: 12.931 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Tgt Ion:172 Resp: 2585253

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.8
170	22.7	18.5	27.7



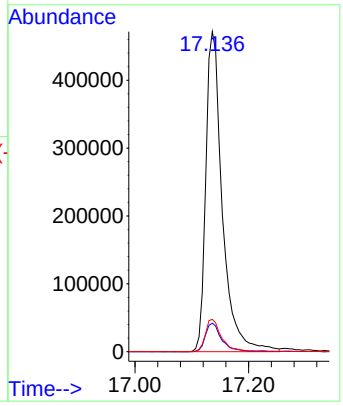


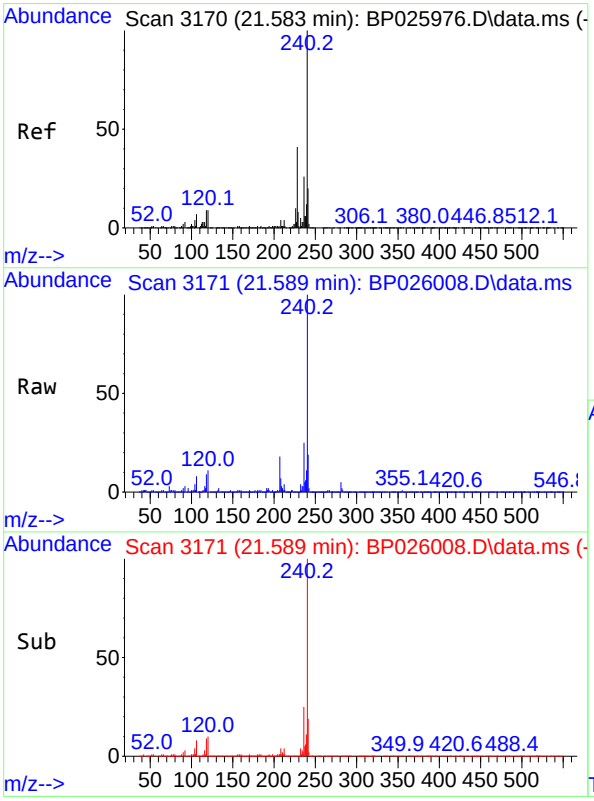
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.136 min Scan# 24
Delta R.T. 0.017 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Instrument :
BNA_P
ClientSampleId :
COMP-ROLLOFF

Tgt Ion:188 Resp: 948799

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.8	10.2
80	10.1	7.2	10.8

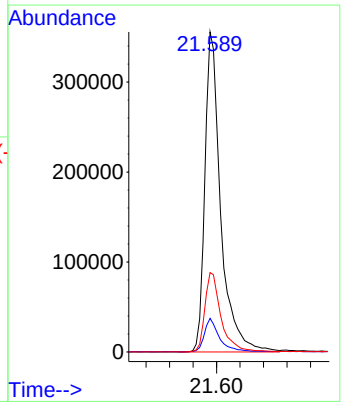


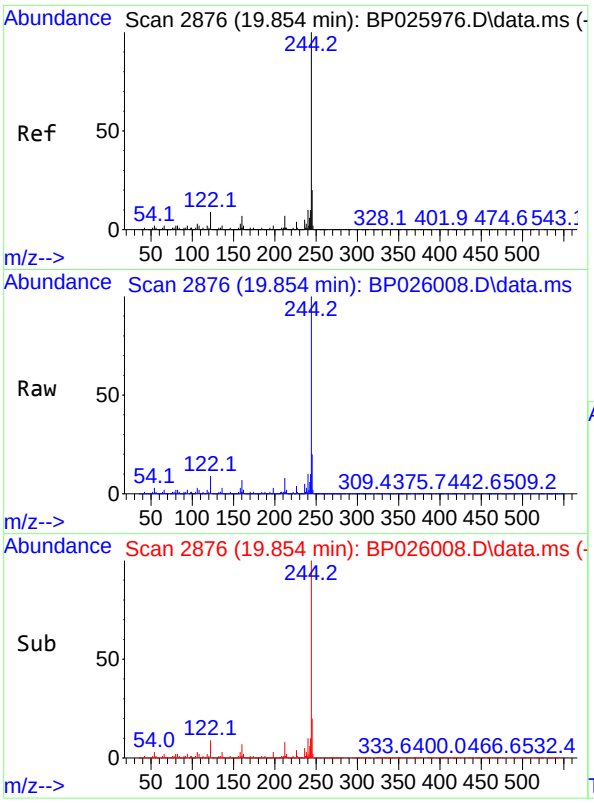


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. 0.006 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Tgt Ion:240 Resp: 663420

Ion	Ratio	Lower	Upper
240	100		
120	10.5	7.4	11.0
236	24.8	20.4	30.6



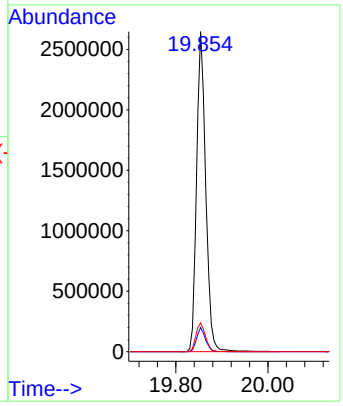


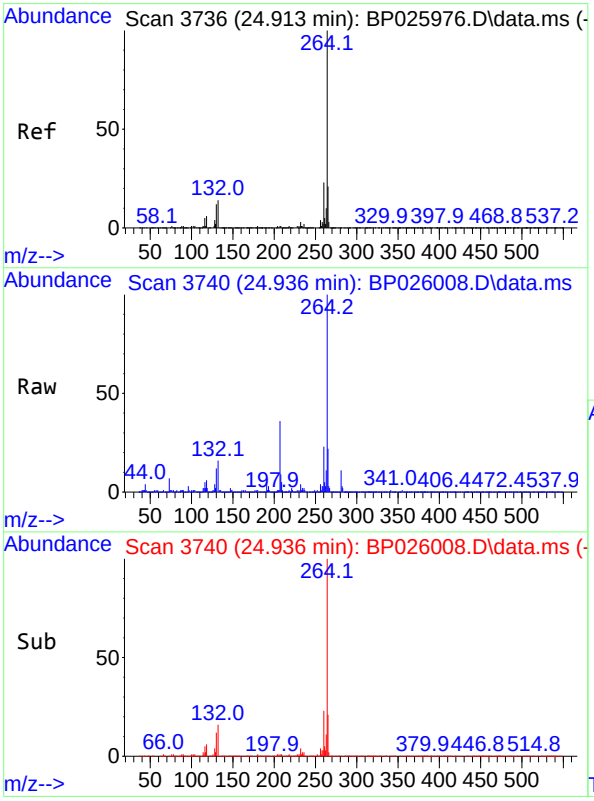
#79
Terphenyl-d14
Concen: 87.537 ng
RT: 19.854 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Instrument :
BNA_P
ClientSampleId :
COMP-ROLLOFF

Tgt Ion:244 Resp: 3633726

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	9.0	7.1	10.7

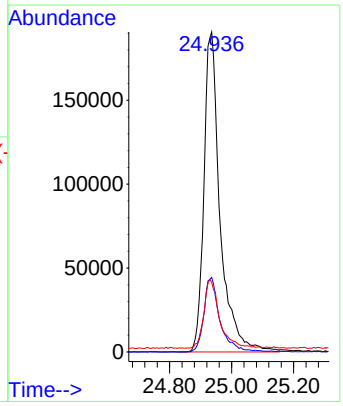




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.936 min Scan# 3740
Delta R.T. 0.023 min
Lab File: BP026008.D
Acq: 22 Oct 2025 21:20

Tgt Ion:264 Resp: 691050

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	21.8	17.7	26.5



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: ICES02

Lab Code: ACE SDG No.: Q3399

Instrument ID: BNA_P Calibration Date(s): 10/15/2025 10/15/2025

Calibration Time(s): 11:45 18:35

LAB FILE ID: RRF2.5 = BP025972.D RRF005 = BP025973.D RRF010 = BP025974.D
RRF020 = BP025975.D RRF040 = BP025976.D RRF050 = BP025977.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.214	1.221	1.434	1.530	1.383	1.348	8.4
2-Fluorophenol		1.057	1.111	1.309	1.380	1.262	1.220	9.1
Phenol-d6		1.410	1.497	1.858	1.913	1.794	1.702	10.9
1,4-Dichlorobenzene		1.549	1.475	1.726	1.775	1.601	1.597	7.0
2-Methylphenol		0.986	1.093	1.339	1.381	1.301	1.232	11.5
3+4-Methylphenols			1.413	1.848	1.856	1.778	1.717	9.5
Nitrobenzene-d5		0.401	0.410	0.480	0.505	0.455	0.445	8.4
Hexachloroethane		0.611	0.568	0.644	0.679	0.606	0.609	6.6
Nitrobenzene		0.352	0.356	0.426	0.449	0.408	0.396	8.9
Hexachlorobutadiene		0.243	0.227	0.252	0.268	0.242	0.242	5.9
2,4,6-Trichlorophenol		0.335	0.363	0.438	0.476	0.436	0.413	11.7
2-Fluorobiphenyl		1.596	1.522	1.682	1.767	1.522	1.560	8.4
2,4,5-Trichlorophenol		0.384	0.380	0.474	0.518	0.477	0.450	11.2
2,4-Dinitrotoluene		0.377	0.360	0.515	0.483	0.464	0.442	12.6
2,4,6-Tribromophenol		0.237	0.220	0.298	0.290	0.285	0.269	10.9
Hexachlorobenzene		0.267	0.258	0.290	0.311	0.273	0.277	6.5
Pentachlorophenol			0.111	0.151	0.164	0.158	0.150	13.0
Terphenyl-d14		1.168	1.135	1.339	1.308	1.323	1.251	6.3

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-BP101525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 15 23:48:51 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025972.D 5 =BP025973.D 10 =BP025974.D 20 =BP025975.D 40 =BP025976.D 50 =BP025977.D 60 =BP025978.D 80 =BP0259
79.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.537	0.474	0.517	0.543	0.457	0.432	0.423	0.483	10.26
3)		Pyridine		1.214	1.221	1.434	1.530	1.383	1.331	1.326	1.348	8.37
4)		n-Nitrosodimet...			0.509	0.620	0.662	0.598	0.581	0.574	0.591	8.65
5)	S	2-Fluorophenol		1.057	1.111	1.309	1.380	1.262	1.215	1.204	1.220	9.11
6)		Aniline		1.926	1.968	2.505	2.540	2.378	2.322	2.314	2.279	10.65
7)	S	Phenol-d6		1.410	1.497	1.858	1.913	1.794	1.725	1.720	1.702	10.86
8)		2-Chlorophenol		1.269	1.249	1.522	1.578	1.444	1.423	1.411	1.414	8.57
9)		Benzaldehyde			1.102	0.857	0.981	0.902	0.850	0.760	0.908	13.11
10)	C	Phenol		1.257	1.434	1.901	1.974	1.853	1.810	1.802	1.719	15.50
11)		bis(2-Chloroet...		1.121	1.297	1.554	1.576	1.457	1.416	1.390	1.401	11.15
12)		1,3-Dichlorobe...		1.574	1.442	1.681	1.736	1.546	1.512	1.479	1.567	6.81
13)	C	1,4-Dichlorobe...		1.549	1.475	1.726	1.775	1.601	1.546	1.507	1.597	7.05
14)		1,2-Dichlorobe...		1.566	1.419	1.678	1.719	1.556	1.508	1.489	1.562	6.76
15)		Benzyl Alcohol			1.171	1.537	1.550	1.505	1.468	1.463	1.449	9.70
16)		2,2'-oxybis(1-...		2.035	2.007	2.364	2.359	2.174	2.102	2.066	2.158	6.88
17)		2-Methylphenol		0.986	1.093	1.339	1.381	1.301	1.259	1.265	1.232	11.48
18)		Hexachloroethane		0.611	0.568	0.644	0.679	0.606	0.582	0.575	0.609	6.58
19)	P	n-Nitroso-di-n...	1.110	0.985	1.147	1.425	1.336	1.279	1.226	1.201	1.214	11.31
20)		3+4-Methylphenols			1.413	1.848	1.856	1.778	1.699	1.706	1.717	9.50
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.496	0.503	0.592	0.608	0.557	0.535	0.516	0.544	8.02
23)	S	Nitrobenzene-d5		0.401	0.410	0.480	0.505	0.455	0.439	0.425	0.445	8.44
24)		Nitrobenzene		0.352	0.356	0.426	0.449	0.408	0.394	0.384	0.396	8.94
25)		Isophorone		0.724	0.732	0.874	0.869	0.830	0.795	0.771	0.799	7.61
26)	C	2-Nitrophenol		0.146	0.164	0.205	0.220	0.208	0.202	0.196	0.192	13.86
27)		2,4-Dimethylph...		0.270	0.292	0.348	0.367	0.345	0.329	0.323	0.325	10.41
28)		bis(2-Chloroet...		0.403	0.435	0.514	0.520	0.482	0.468	0.451	0.467	9.02
29)	C	2,4-Dichloroph...		0.253	0.285	0.349	0.363	0.348	0.336	0.332	0.324	12.23
30)		1,2,4-Trichlor...		0.364	0.338	0.381	0.409	0.368	0.358	0.346	0.366	6.44
31)		Naphthalene		1.062	1.013	1.156	1.189	1.079	1.046	1.009	1.079	6.41
32)		Benzoic acid			0.180	0.218	0.244	0.258	0.260	0.252	0.235	13.12
33)		4-Chloroaniline		0.358	0.403	0.508	0.513	0.491	0.475	0.460	0.458	12.61
34)	C	Hexachlorobuta...		0.243	0.227	0.252	0.268	0.242	0.236	0.228	0.242	5.87
35)		Caprolactam			0.088	0.129	0.117	0.122	0.121	0.114	0.115	12.45
36)	C	4-Chloro-3-met...		0.321	0.330	0.426	0.407	0.405	0.390	0.380	0.380	10.49
37)		2-Methylnaphth...		0.676	0.655	0.775	0.757	0.724	0.689	0.668	0.706	6.57
38)		1-Methylnaphth...		0.715	0.699	0.819	0.795	0.761	0.724	0.702	0.745	6.36

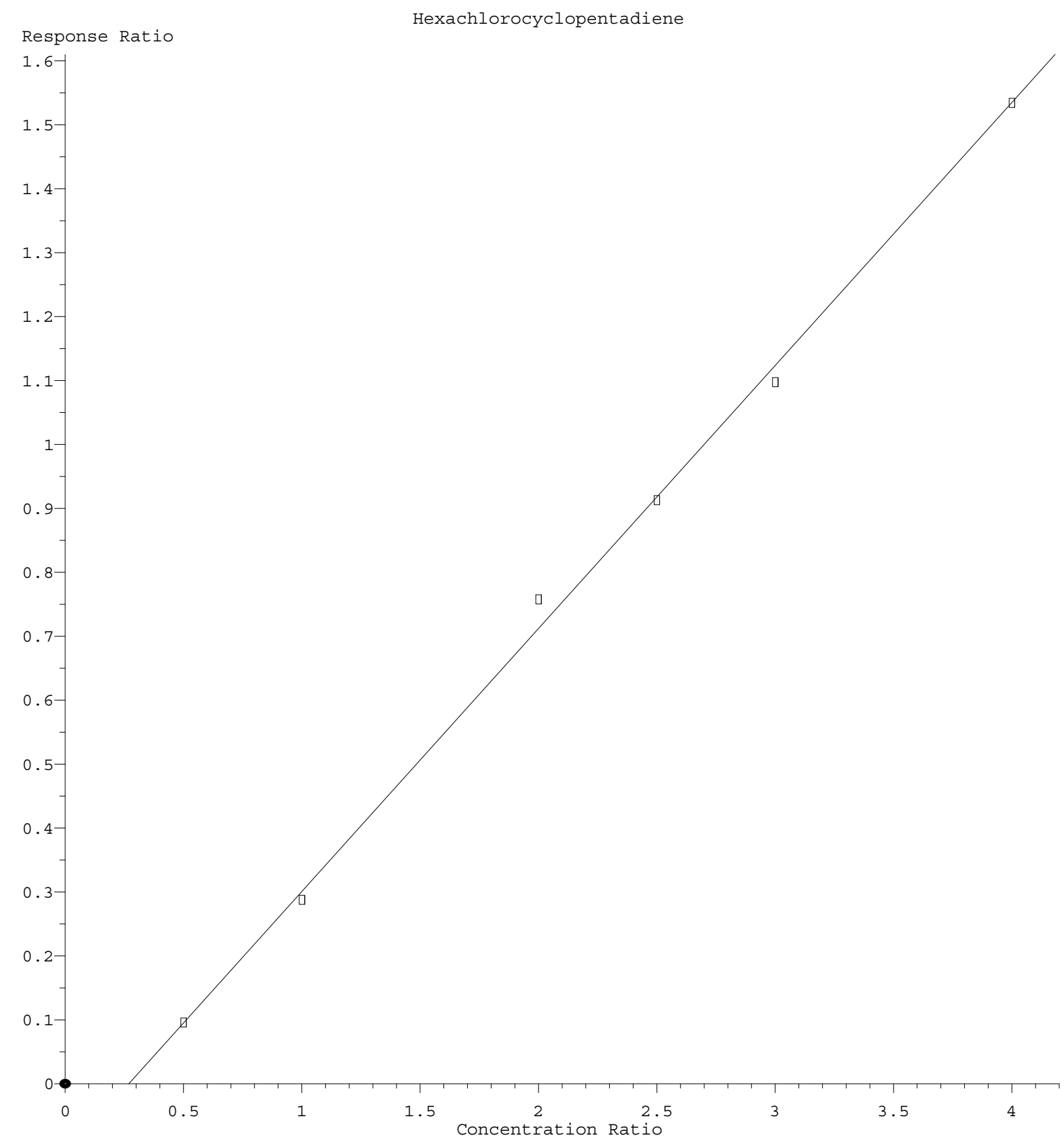
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP101525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.617	0.607	0.679	0.750	0.648	0.634	0.624	0.651	7.60
41)	P	Hexachlorocycl...		0.192	0.288	0.379	0.365	0.366	0.384	0.329	23.02
42)	S	2,4,6-Tribromo...	0.237	0.220	0.298	0.290	0.285	0.283	0.272	0.269	10.86
43)	C	2,4,6-Trichlor...	0.335	0.363	0.438	0.476	0.436	0.425	0.420	0.413	11.66
44)		2,4,5-Trichlor...	0.384	0.380	0.474	0.518	0.477	0.459	0.459	0.450	11.17
45)	S	2-Fluorobiphenyl	1.596	1.522	1.682	1.767	1.522	1.430	1.404	1.560	8.40
46)		1,1'-Biphenyl	1.469	1.431	1.596	1.705	1.498	1.463	1.413	1.511	6.89
47)		2-Chloronaphth...	1.148	1.119	1.250	1.328	1.169	1.139	1.116	1.181	6.71
48)		2-Nitroaniline	0.296	0.303	0.407	0.415	0.394	0.383	0.379	0.368	13.18
49)		Acenaphthylene	1.859	1.766	2.064	2.131	1.918	1.828	1.804	1.910	7.21
50)		Dimethylphthalate	1.494	1.328	1.681	1.615	1.534	1.495	1.436	1.512	7.63
51)		2,6-Dinitrotol...	0.290	0.278	0.364	0.361	0.340	0.332	0.320	0.326	10.15
52)	C	Acenaphthene	1.101	1.025	1.191	1.216	1.099	1.057	1.030	1.103	6.83
53)		3-Nitroaniline	0.250	0.267	0.366	0.360	0.353	0.346	0.334	0.325	14.41
54)	P	2,4-Dinitrophenol		0.092	0.192	0.200	0.216	0.220	0.216	0.190	25.76
55)		Dibenzofuran	1.773	1.645	1.935	1.953	1.750	1.669	1.638	1.766	7.47
56)	P	4-Nitrophenol			0.149	0.166	0.216	0.229	0.225	0.197	18.72
57)		2,4-Dinitrotol...	0.377	0.360	0.515	0.483	0.464	0.461	0.437	0.442	12.63
58)		Fluorene	1.428	1.299	1.575	1.538	1.427	1.344	1.324	1.419	7.48
59)		2,3,4,6-Tetrac...	0.372	0.336	0.440	0.434	0.421	0.419	0.405	0.404	9.24
60)		Diethylphthalate	1.503	1.268	1.695	1.575	1.508	1.472	1.412	1.491	8.89
61)		4-Chlorophenyl...	0.757	0.683	0.816	0.804	0.740	0.721	0.704	0.746	6.64
62)		4-Nitroaniline	0.264	0.225	0.343	0.330	0.320	0.322	0.305	0.301	13.97
63)		Azobenzene	1.319	1.230	1.563	1.507	1.410	1.370	1.326	1.389	8.25
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.150	0.161	0.154	0.153	0.150	0.145	15.78
66)	c	n-Nitrosodiphe...	0.598	0.623	0.693	0.733	0.640	0.611	0.606	0.643	7.90
67)		4-Bromophenyl-...	0.228	0.232	0.256	0.281	0.250	0.239	0.242	0.247	7.23
68)		Hexachlorobenzene	0.267	0.258	0.290	0.311	0.273	0.270	0.270	0.277	6.48
69)		Atrazine	0.214	0.197	0.261	0.259	0.237	0.234	0.223	0.232	10.08
70)	C	Pentachlorophenol		0.111	0.151	0.164	0.158	0.159	0.155	0.150	12.99
71)		Phenanthrene	1.132	1.082	1.229	1.265	1.111	1.080	1.035	1.134	7.38
72)		Anthracene	1.114	1.097	1.260	1.316	1.149	1.105	1.065	1.158	8.09
73)		Carbazole	0.982	0.920	1.156	1.137	1.018	0.996	0.936	1.021	9.05
74)		Di-n-butylphth...	1.239	1.112	1.425	1.386	1.252	1.234	1.146	1.256	9.14
75)	C	Fluoranthene	1.338	1.178	1.458	1.422	1.230	1.223	1.101	1.279	10.27
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.568	0.564	0.708	0.699	0.693	0.612	0.641	10.49
78)		Pyrene	1.320	1.289	1.525	1.542	1.622	1.546	1.482	1.475	8.41
79)	S	Terphenyl-d14	1.168	1.135	1.339	1.308	1.323	1.264	1.223	1.251	6.33
80)		Butylbenzylpht...	0.528	0.519	0.622	0.652	0.599	0.615	0.575	0.587	8.36
81)		Benzo(a)anthra...	1.311	1.259	1.452	1.531	1.355	1.368	1.300	1.368	6.90
82)		3,3'-Dichlorob...		0.463	0.501	0.554	0.479	0.463	0.462	0.487	7.44
83)		Chrysene	1.311	1.233	1.407	1.448	1.282	1.252	1.224	1.308	6.70
84)		Bis(2-ethylhex...	0.825	0.787	0.820	0.931	0.765	0.773	0.772	0.810	7.22
85)	c	Di-n-octyl pht...		1.410	1.265	1.661	1.309	1.277	1.381	1.384	10.63

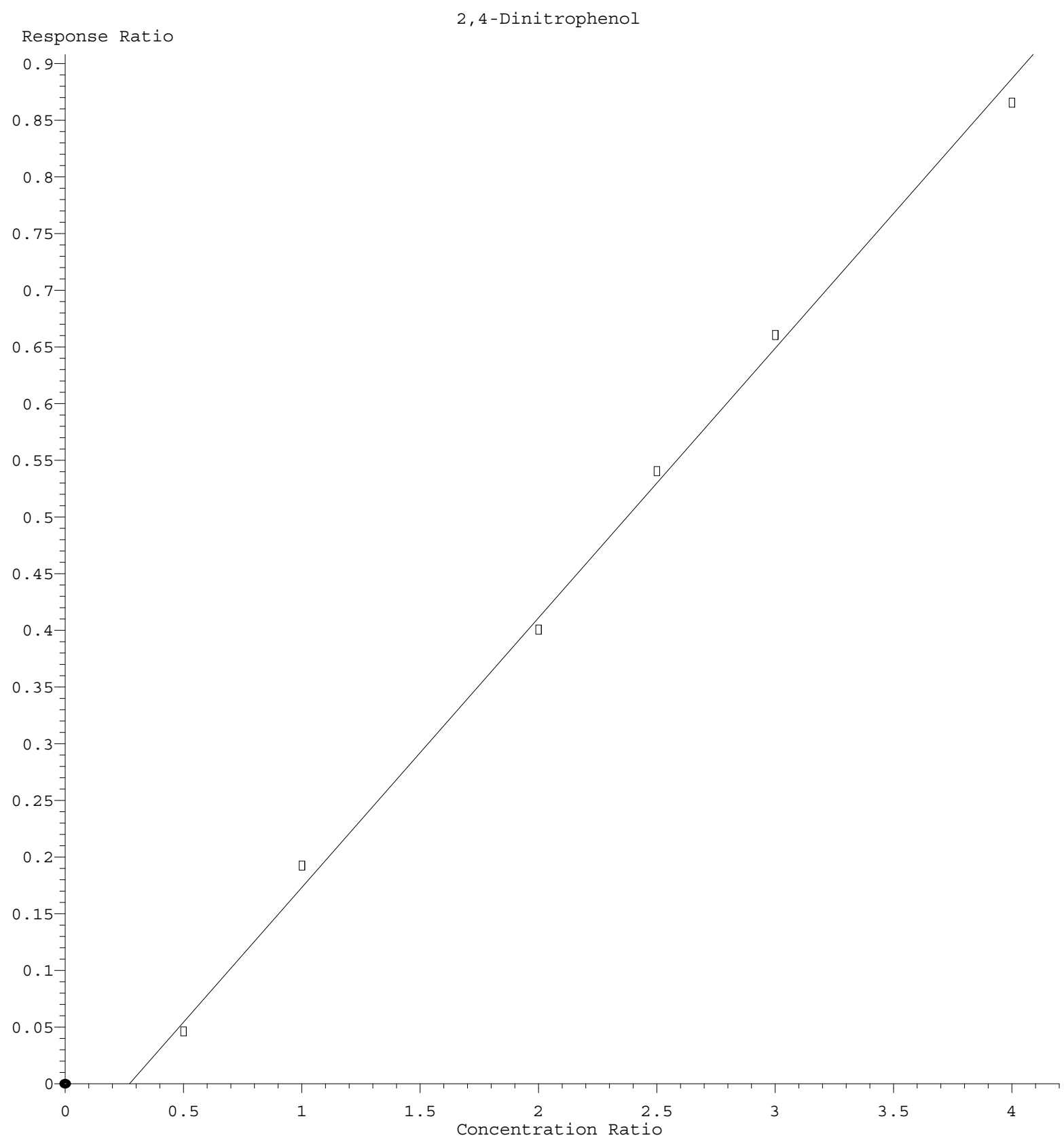
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP101525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.465	1.407	1.375	1.718	1.569	1.527	1.485	1.507	7.59
88)		Benzo(b)fluora...	1.180	1.085	1.403	1.377	1.237	1.268	1.170	1.246	9.17
89)		Benzo(k)fluora...	1.207	1.200	1.416	1.394	1.251	1.222	1.159	1.264	7.92
90)	C	Benzo(a)pyrene	1.162	1.114	1.282	1.345	1.214	1.206	1.148	1.210	6.65
91)		Dibenzo(a,h)an...	1.188	1.132	1.115	1.409	1.281	1.254	1.219	1.228	8.14
92)		Benzo(g,h,i)pe...	1.157	1.121	1.075	1.379	1.267	1.224	1.201	1.203	8.36

(#) = Out of Range



Response = 4.115e-001 * Amt - 1.107e-001
Coef of Det (r^2) = 0.998281 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP101525.M
Calibration Table Last Updated: Wed Oct 15 23:48:51 2025



Response = 2.380e-001 * Amt - 6.472e-002
Coef of Det (r^2) = 0.997322 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP101525.M
Calibration Table Last Updated: Wed Oct 15 23:48:51 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025972.D
Acq On : 15 Oct 2025 11:45
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 15 23:05:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.707	152	143714	20.000	ng	0.01
21) Naphthalene-d8	10.466	136	639828	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	458338	20.000	ng	0.00
64) Phenanthrene-d10	17.119	188	924054	20.000	ng	0.00
76) Chrysene-d12	21.571	240	868739	20.000	ng	-0.01
86) Perylene-d12	24.912	264	821503	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...	8.513	70	19941	2.287	ng	94

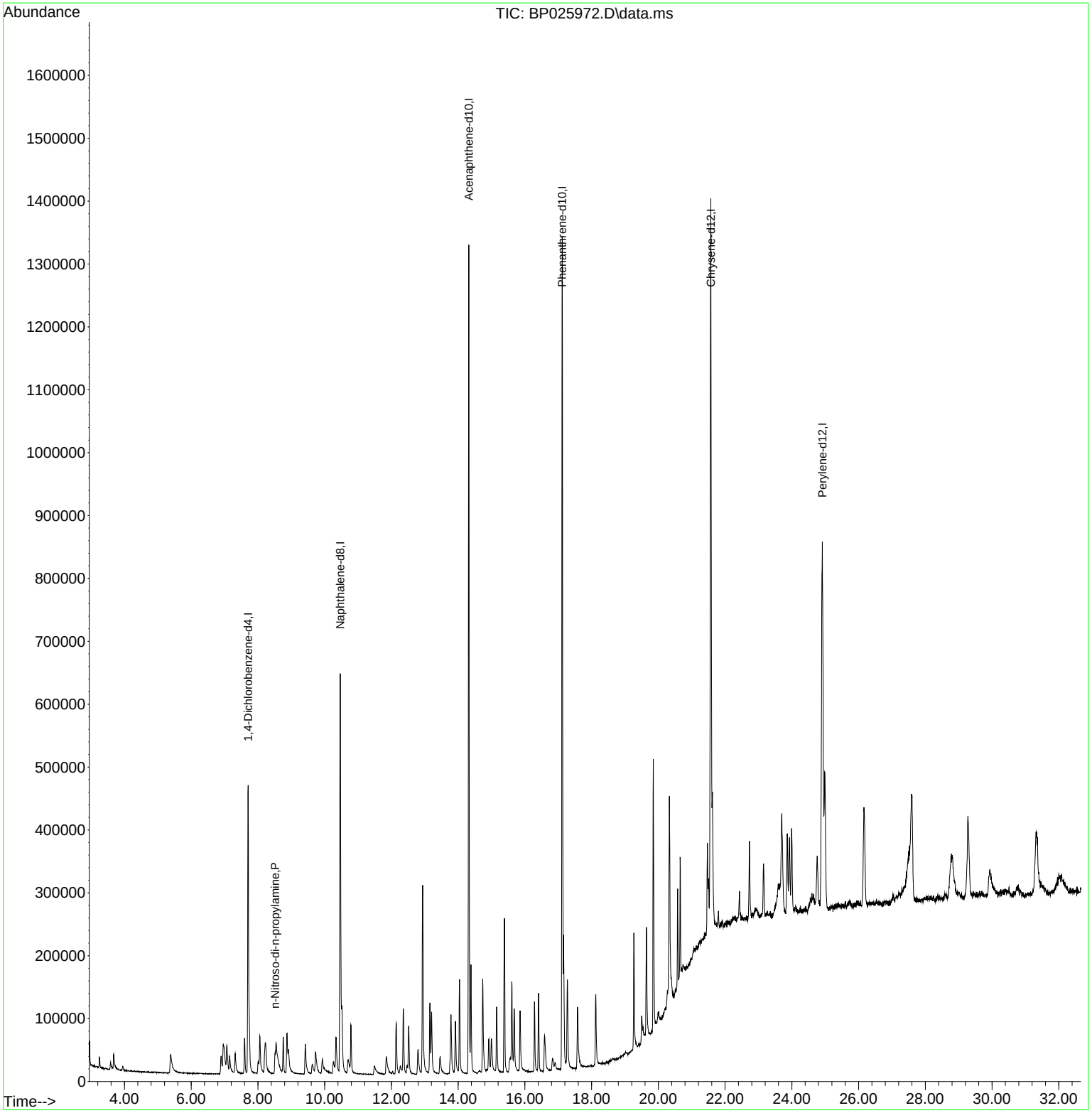
(#) = qualifier out of range (m) = manual integration (+) = signals summed

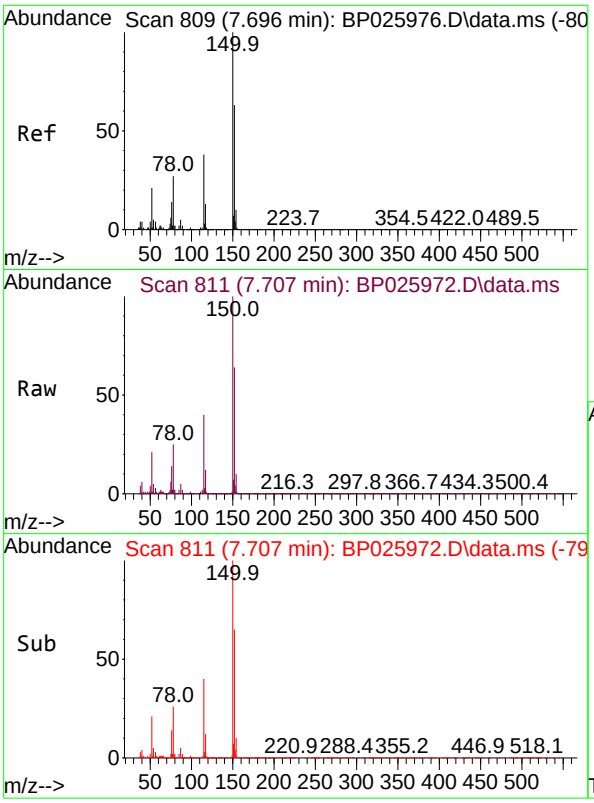
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025972.D
Acq On : 15 Oct 2025 11:45
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 15 23:05:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration



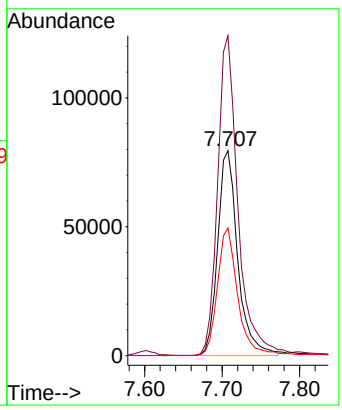


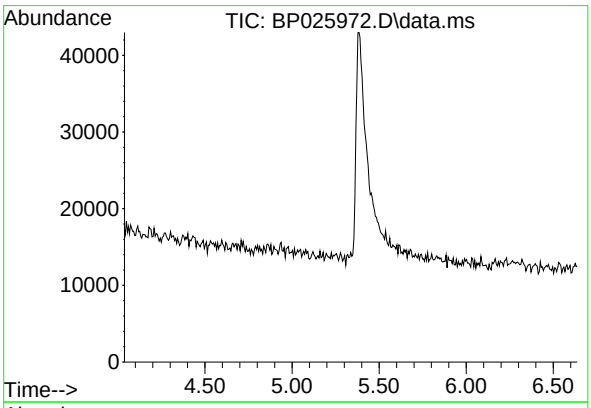
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.707 min Scan# 81
Delta R.T. 0.011 min
Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 143714

Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.3	190.9
115	62.3	48.7	73.1



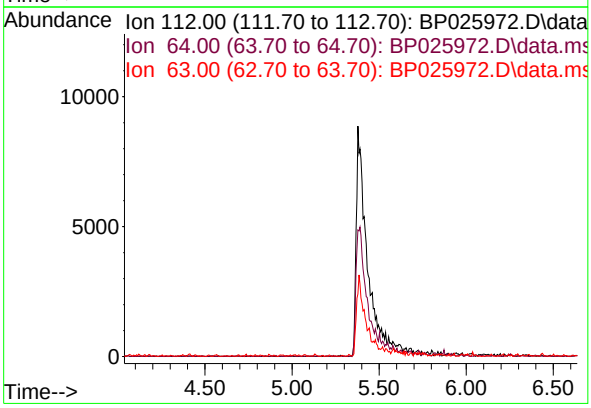


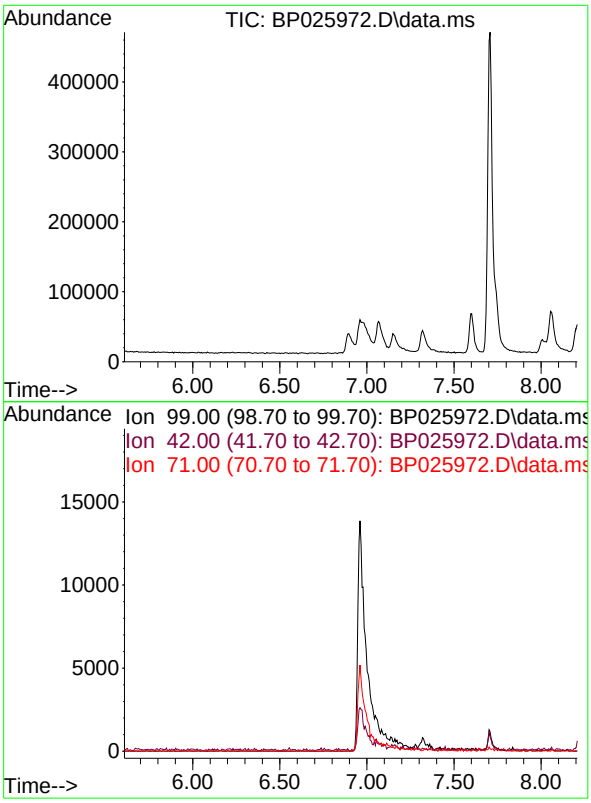
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.34 min

Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	62.4
63	31.1





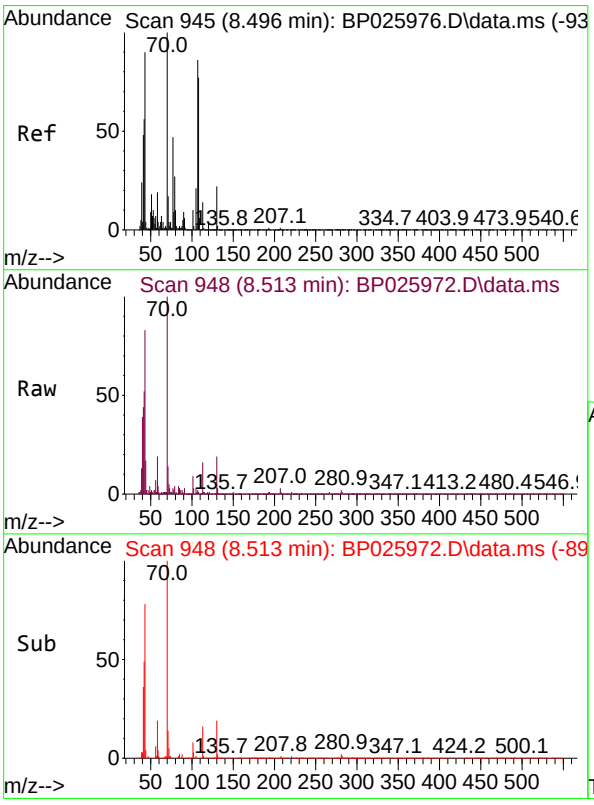
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.91 min

Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

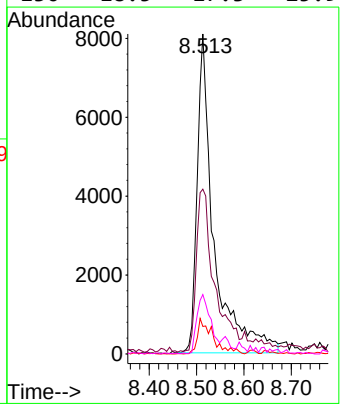
Sig	Exp Ratio
99	100
42	17.8
71	36.7

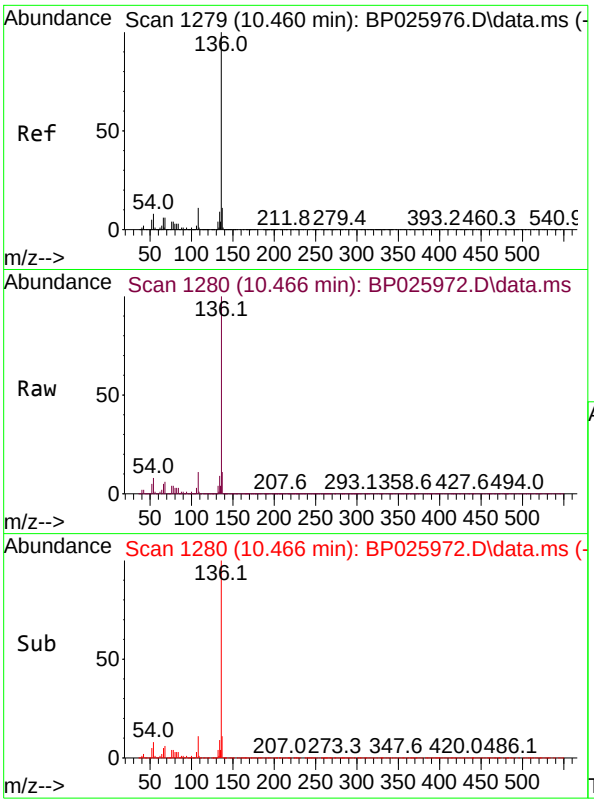


#19
n-Nitroso-di-n-propylamine
Concen: 2.287 ng
RT: 8.513 min Scan# 948
Delta R.T. 0.018 min
Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Tgt Ion: 70 Resp: 19941

Ion	Ratio	Lower	Upper
70	100		
42	51.5	45.2	67.8
101	8.6	7.9	11.9
130	18.5	17.3	25.9



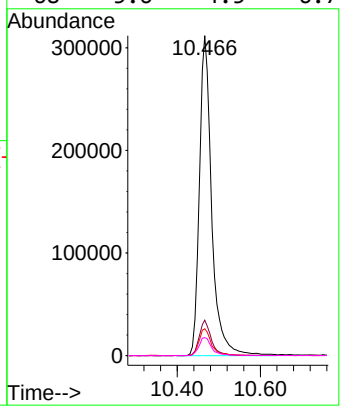


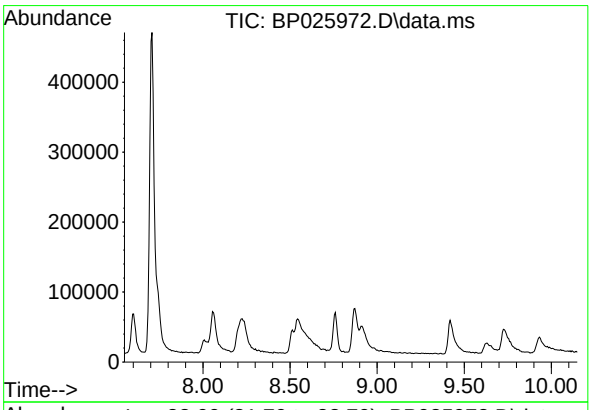
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.466 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 639828

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	8.4	6.8	10.2
68	5.6	4.5	6.7



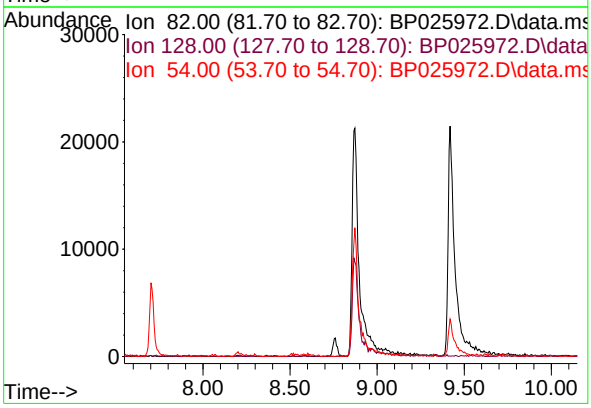


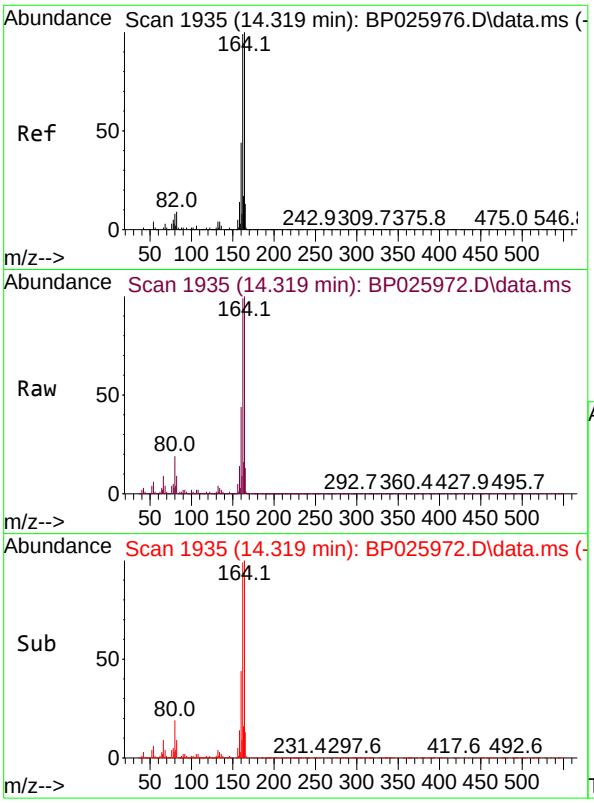
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.85 min

Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	42.0
54	50.8



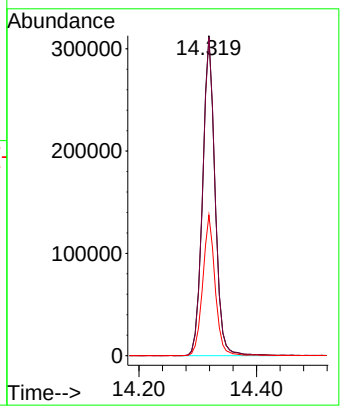


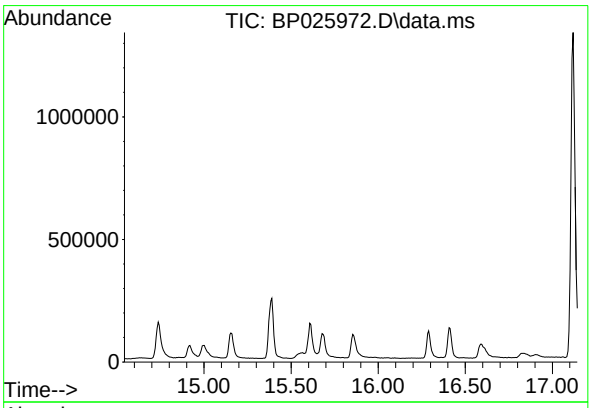
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 458338

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.3	118.9
160	43.9	35.4	53.0



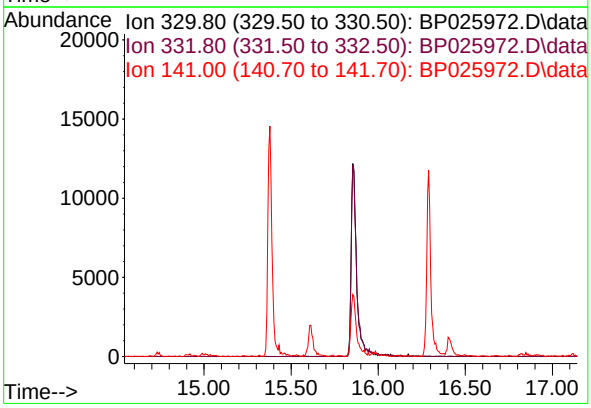


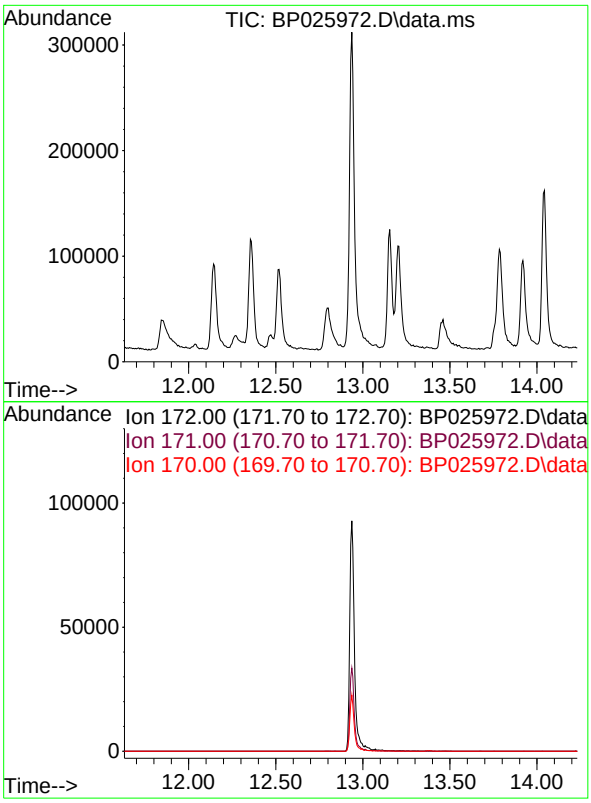
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.84 min

Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.3
141	32.0





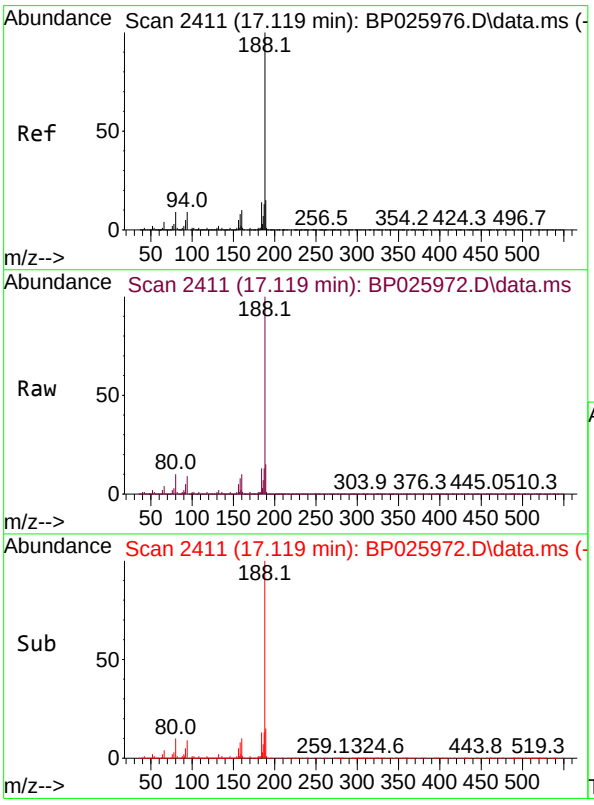
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.93 min

Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

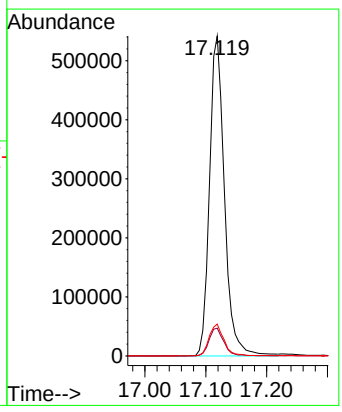
Sig	Exp Ratio
172	100
171	34.8
170	23.1

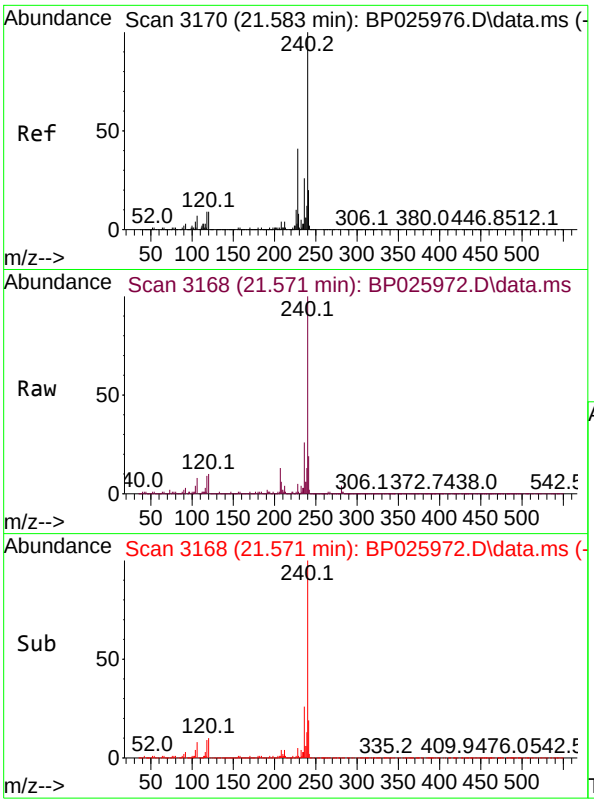


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Tgt Ion:188 Resp: 924054

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.8	10.2
80	9.9	7.2	10.8



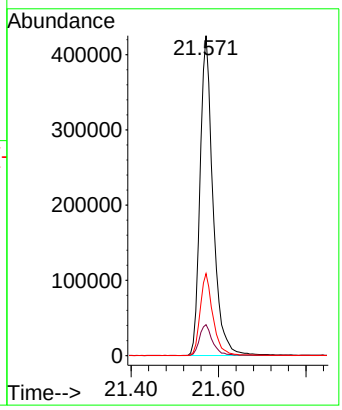


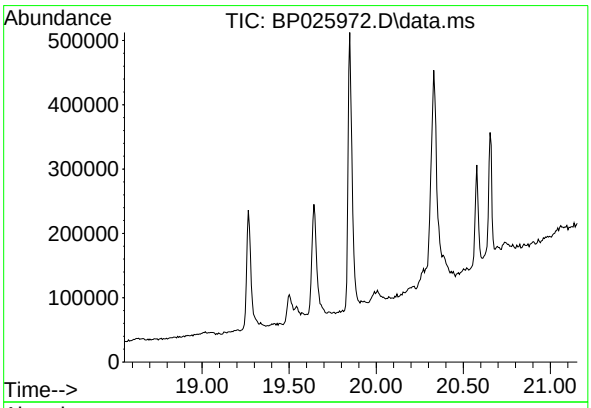
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 868739

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.4	11.0
236	25.6	20.4	30.6



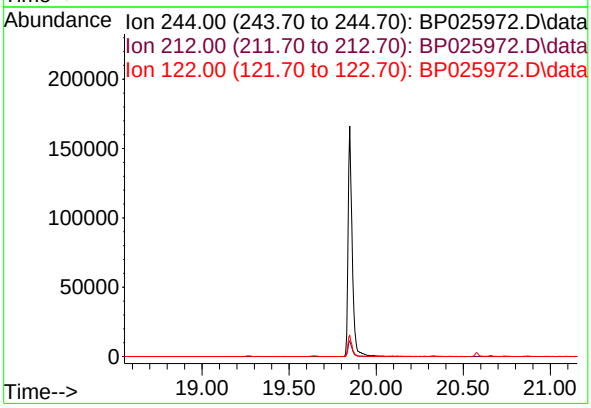


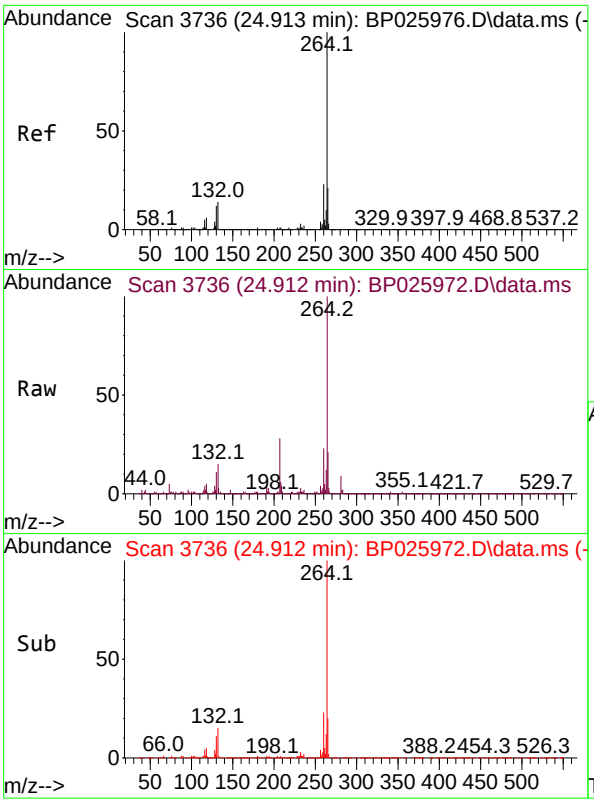
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.85 min

Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.1
122	8.9



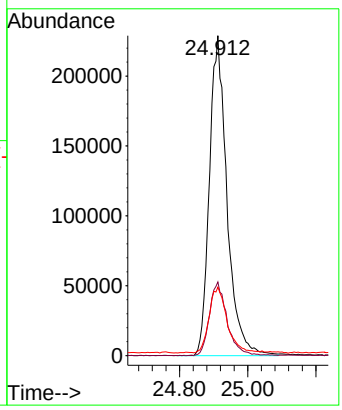


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.912 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025972.D
Acq: 15 Oct 2025 11:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 821503

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	21.4	17.7	26.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025973.D
Acq On : 15 Oct 2025 12:26
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 23:06:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.707	152	122988	20.000	ng		0.01
21) Naphthalene-d8	10.472	136	489416	20.000	ng		0.01
39) Acenaphthene-d10	14.319	164	330343	20.000	ng		0.00
64) Phenanthrene-d10	17.130	188	657381	20.000	ng		0.01
76) Chrysene-d12	21.566	240	718063	20.000	ng		-0.02
86) Perylene-d12	24.895	264	793729	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.366	112	64981	8.662	ng		0.03
7) Phenol-d6	6.949	99	86726	8.284	ng		0.04
23) Nitrobenzene-d5	8.866	82	98135	9.013	ng		0.02
42) 2,4,6-Tribromophenol	15.860	330	39092	8.790	ng		0.02
45) 2-Fluorobiphenyl	12.937	172	263613	10.228	ng		0.00
79) Terphenyl-d14	19.842	244	419339	9.333	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.249	88	16516	5.558	ng		99
3) Pyridine	3.672	79	37337	4.503	ng		99
6) Aniline	7.060	93	59231	4.226	ng		97
8) 2-Chlorophenol	7.307	128	39003	4.486	ng		95
10) Phenol	6.972	94	38654	3.657	ng		95
11) bis(2-Chloroethyl)ether	7.149	93	34473	4.000	ng		97
12) 1,3-Dichlorobenzene	7.596	146	48405	5.022	ng		95
13) 1,4-Dichlorobenzene	7.737	146	47627	4.850	ng		95
14) 1,2-Dichlorobenzene	8.054	146	48147	5.012	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.219	45	62583	4.716	ng		73
17) 2-Methylphenol	8.190	107	30317	4.002	ng		97
18) Hexachloroethane	8.760	117	18782	5.012	ng		97
19) n-Nitroso-di-n-propyla...	8.507	70	30279	4.057	ng		94
22) Acetophenone	8.537	105	60627	4.557	ng	#	99
24) Nitrobenzene	8.913	77	43117	4.453	ng		93
25) Isophorone	9.419	82	88608	4.531	ng		99
26) 2-Nitrophenol	9.631	139	17843	3.805	ng	#	85
27) 2,4-Dimethylphenol	9.713	122	32986	4.151	ng		94
28) bis(2-Chloroethoxy)met...	9.919	93	49254	4.305	ng	#	95
29) 2,4-Dichlorophenol	10.237	162	30967	3.911	ng		92
30) 1,2,4-Trichlorobenzene	10.343	180	44594	4.975	ng		97
31) Naphthalene	10.525	128	129887	4.920	ng		99
33) 4-Chloroaniline	10.690	127	43758	3.903	ng		95
34) Hexachlorobutadiene	10.795	225	29781	5.020	ng		95
36) 4-Chloro-3-methylphenol	11.837	107	39293	4.227	ng		97
37) 2-Methylnaphthalene	12.142	142	82737	4.786	ng		97
38) 1-Methylnaphthalene	12.354	142	87537	4.801	ng		97
40) 1,2,4,5-Tetrachloroben...	12.513	216	50939	4.735	ng		99
43) 2,4,6-Trichlorophenol	12.789	196	27681	4.054	ng		96
44) 2,4,5-Trichlorophenol	12.913	196	31748	4.270	ng		97
46) 1,1'-Biphenyl	13.154	154	121311	4.861	ng		96
47) 2-Chloronaphthalene	13.201	162	94814	4.859	ng		98
48) 2-Nitroaniline	13.442	65	24432	4.018	ng		98
49) Acenaphthylene	14.042	152	153547	4.867	ng		98
50) Dimethylphthalate	13.784	163	123385	4.942	ng		99
51) 2,6-Dinitrotoluene	13.913	165	23919	4.437	ng		93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025973.D
Acq On : 15 Oct 2025 12:26
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Oct 15 23:06:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.384	154	90900	4.990	ng		97
53) 3-Nitroaniline	14.301	138	20630	3.888	ng	#	91
55) Dibenzofuran	14.731	168	146444	5.020	ng		97
57) 2,4-Dinitrotoluene	14.742	165	31130	4.262	ng	#	91
58) Fluorene	15.389	166	117905	5.030	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.995	232	30745m	4.608	ng		
60) Diethylphthalate	15.160	149	124090	5.040	ng		97
61) 4-Chlorophenyl-phenyle...	15.383	204	62487	5.070	ng		98
62) 4-Nitroaniline	15.519	138	21781m	4.455	ng		
63) Azobenzene	15.683	77	108966	4.749	ng		99
66) n-Nitrosodiphenylamine	15.607	169	98306	4.648	ng		99
67) 4-Bromophenyl-phenylether	16.301	248	37507	4.623	ng		99
68) Hexachlorobenzene	16.425	284	43825	4.815	ng		99
69) Atrazine	16.589	200	35151	4.607	ng		96
71) Phenanthrene	17.177	178	186119	4.995	ng		97
72) Anthracene	17.277	178	183107	4.811	ng		98
73) Carbazole	17.577	167	161433	4.812	ng		97
74) Di-n-butylphthalate	18.136	149	203642	4.932	ng		99
75) Fluoranthene	19.266	202	219924	5.233	ng		100
78) Pyrene	19.642	202	236951	4.474	ng		99
80) Butylbenzylphthalate	20.571	149	94854	4.501	ng		98
81) Benzo(a)anthracene	21.542	228	235352	4.792	ng		99
83) Chrysene	21.613	228	235359	5.012	ng		97
84) Bis(2-ethylhexyl)phtha...	21.465	149	148144	5.092	ng		97
87) Indeno(1,2,3-cd)pyrene	28.724	276	290681	4.862	ng	#	84
88) Benzo(b)fluoranthene	23.848	252	234116	4.736	ng		99
89) Benzo(k)fluoranthene	23.912	252	239542	4.775	ng		98
90) Benzo(a)pyrene	24.736	252	230489	4.799	ng		98
91) Dibenzo(a,h)anthracene	28.771	278	235745	4.837	ng		98
92) Benzo(g,h,i)perylene	29.918	276	229620	4.808	ng		98

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

ICAL Form

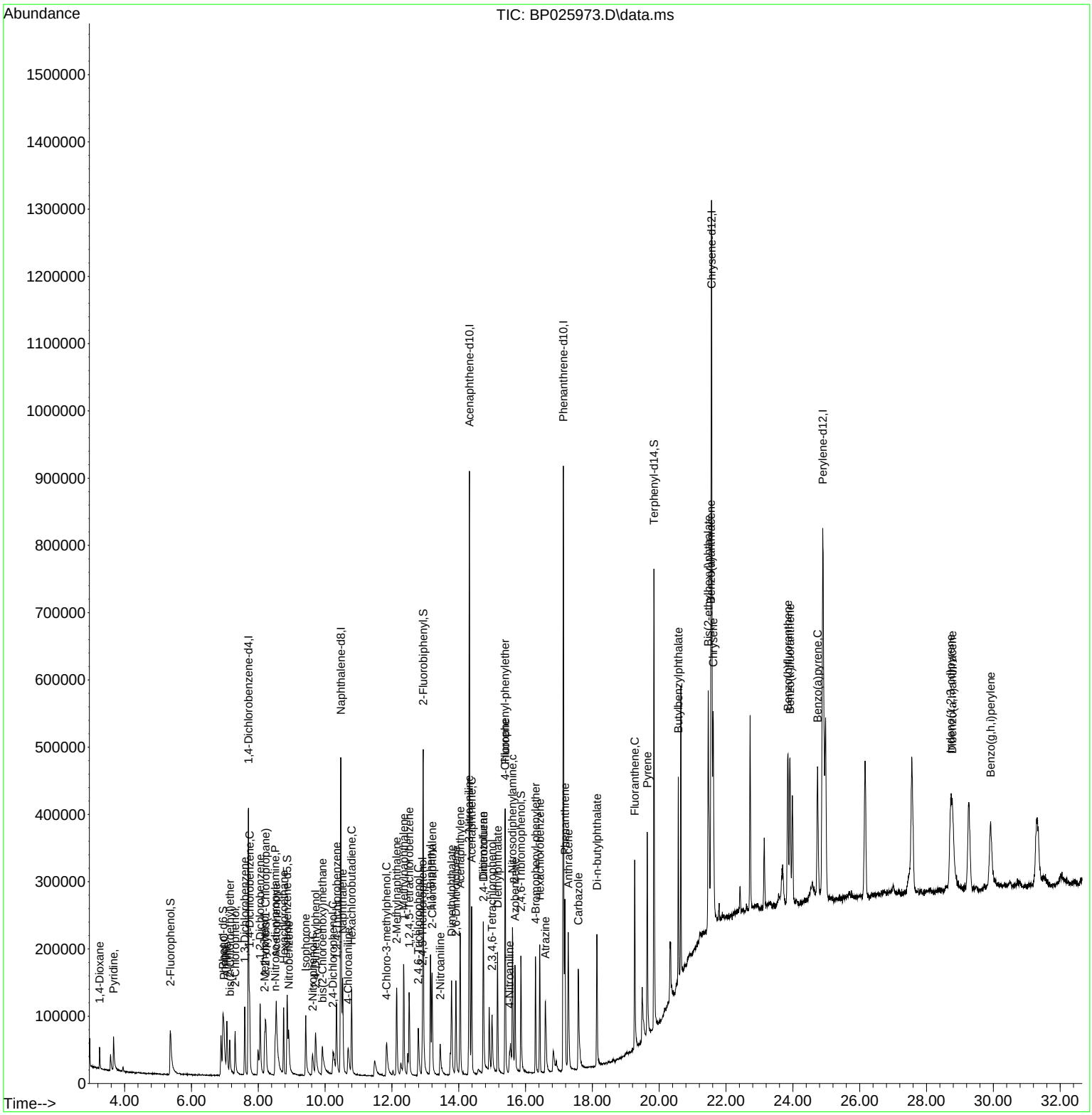
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025973.D
Acq On : 15 Oct 2025 12:26
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

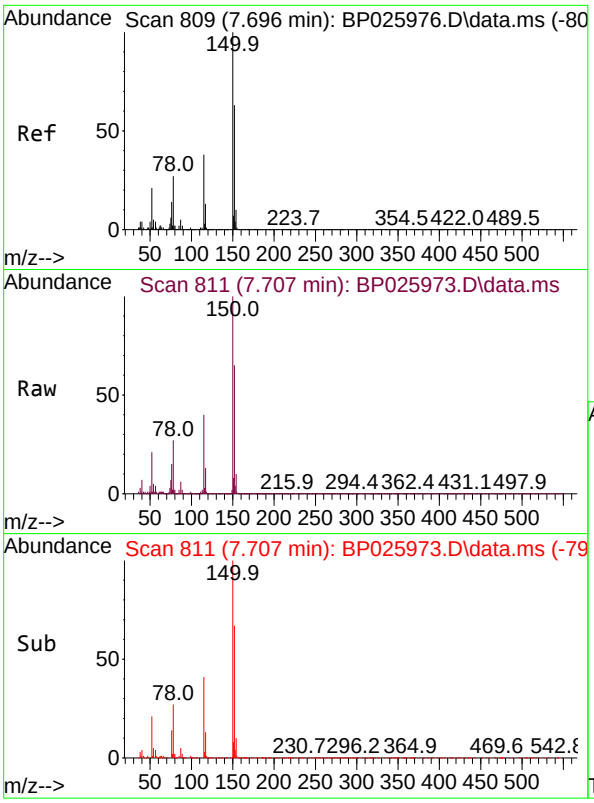
Quant Time: Oct 15 23:06:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

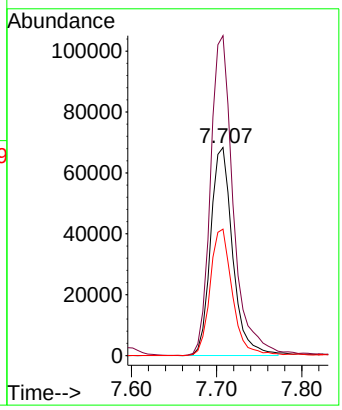




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.707 min Scan# 81
Delta R.T. 0.011 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:152 Resp: 122988

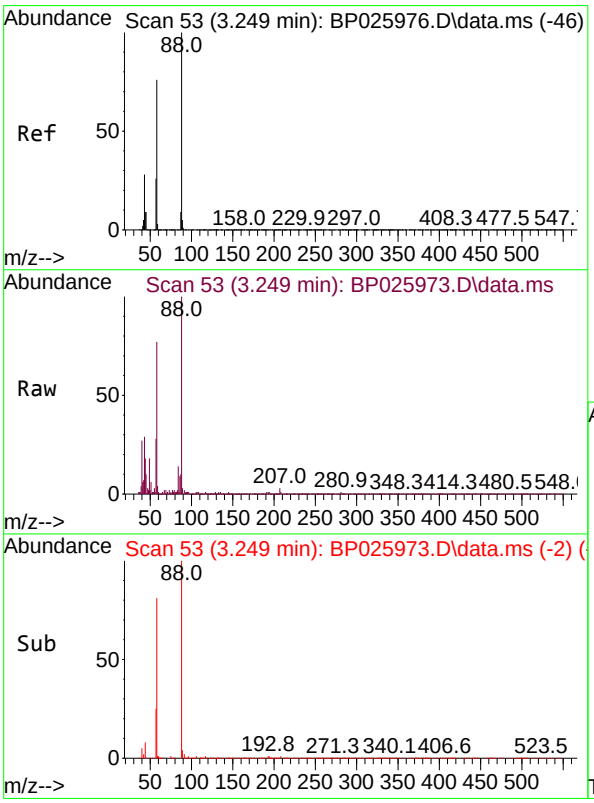
Ion	Ratio	Lower	Upper
152	100		
150	153.8	127.3	190.9
115	60.7	48.7	73.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

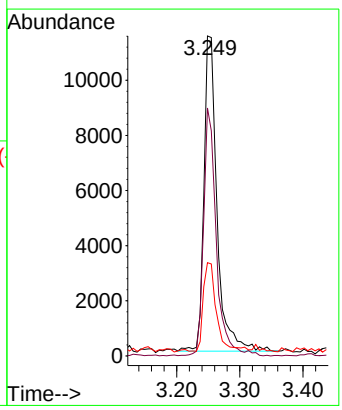
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

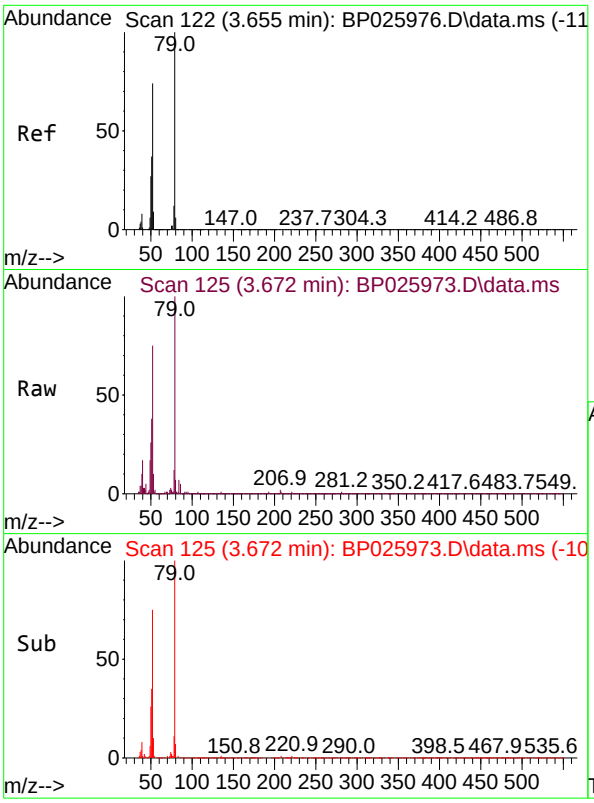


#2
1,4-Dioxane
Concen: 5.558 ng
RT: 3.249 min Scan# 53
Delta R.T. -0.000 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 88 Resp: 16516

Ion	Ratio	Lower	Upper
88	100		
58	76.0	61.9	92.9
43	28.3	22.6	33.8

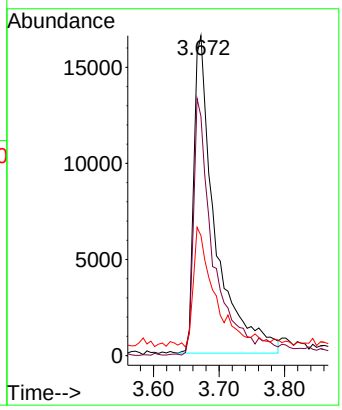




#3
Pyridine
Concen: 4.503 ng
RT: 3.672 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 79 Resp: 3733

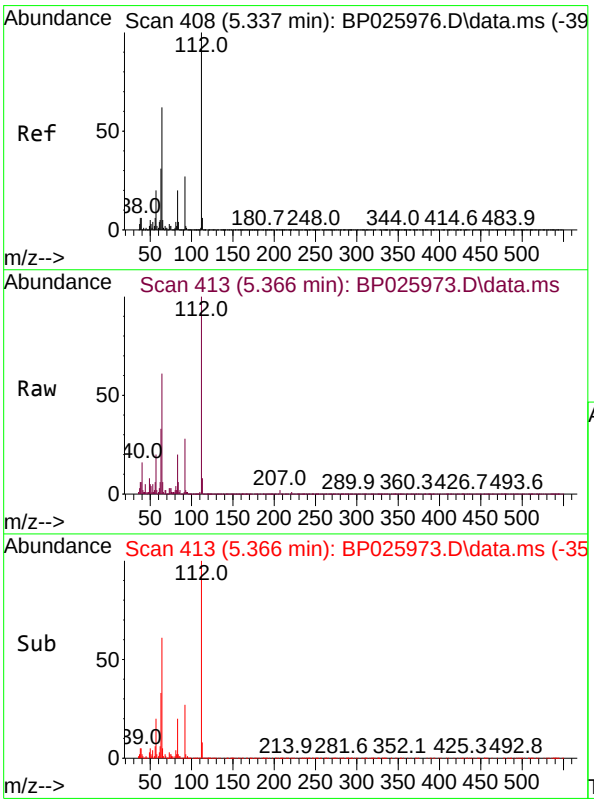
Ion	Ratio	Lower	Upper
79	100		
52	74.8	59.0	88.4
51	37.5	29.5	44.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

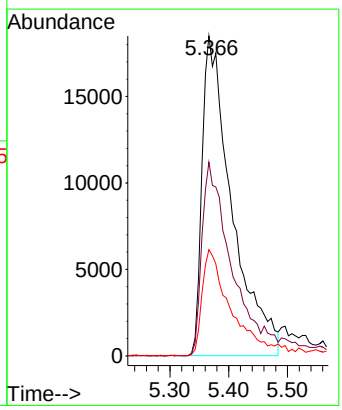
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

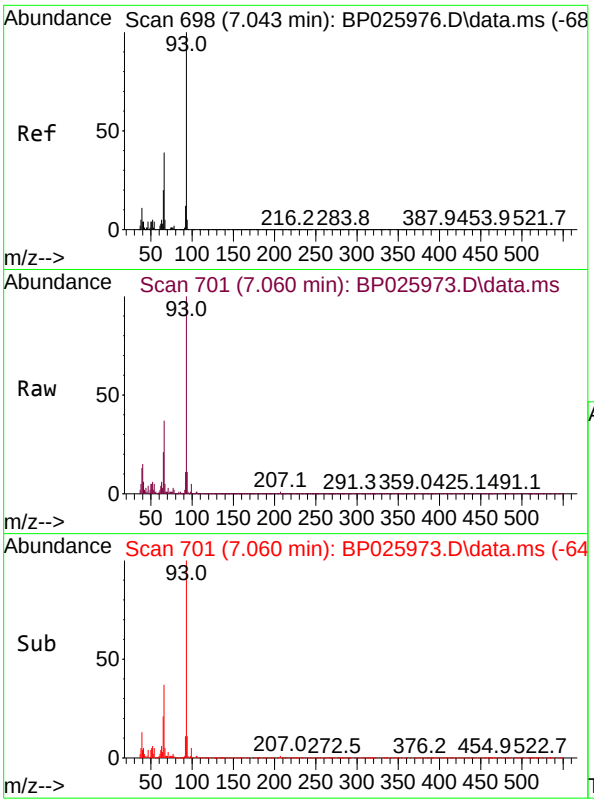


#5
2-Fluorophenol
Concen: 8.662 ng
RT: 5.366 min Scan# 413
Delta R.T. 0.029 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:112 Resp: 64981

Ion	Ratio	Lower	Upper
112	100		
64	60.5	49.9	74.9
63	33.2	24.9	37.3

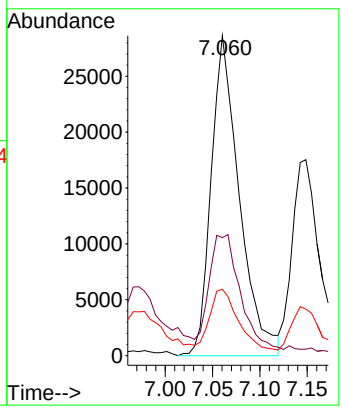




#6
Aniline
Concen: 4.226 ng
RT: 7.060 min Scan# 7
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 93 Resp: 5923

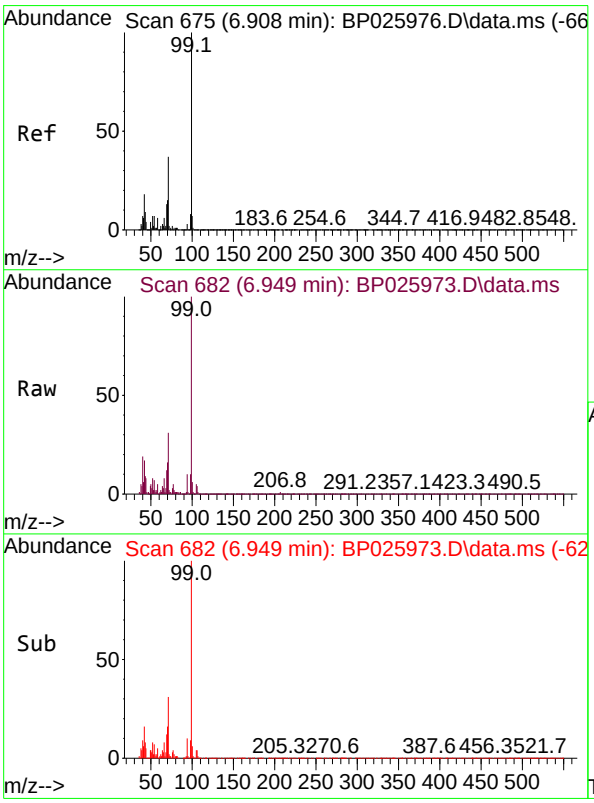
Ion	Ratio	Lower	Upper
93	100		
66	36.9	31.8	47.8
65	20.7	16.3	24.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

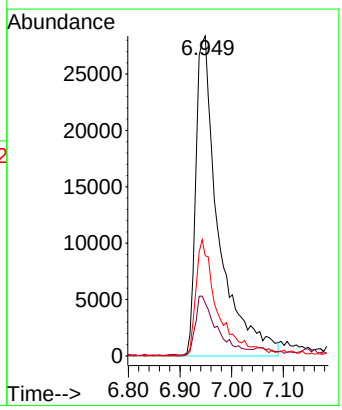
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

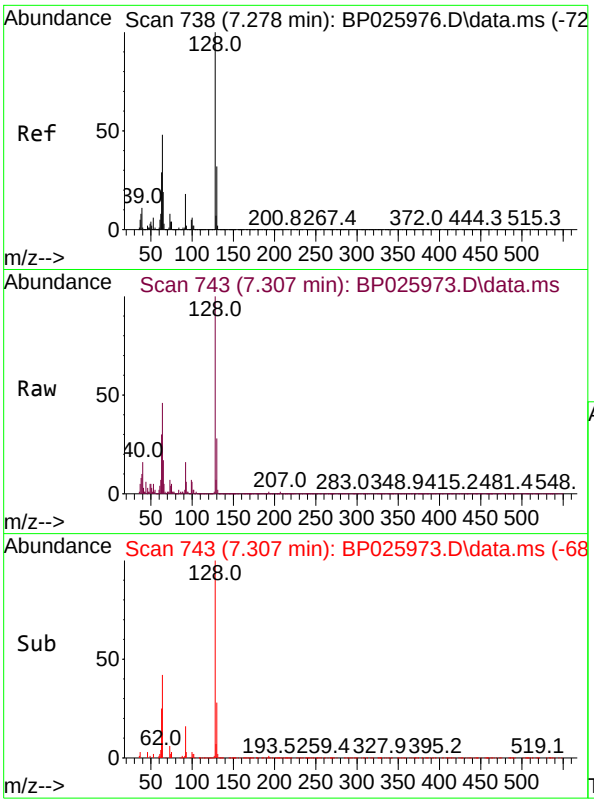


#7
Phenol-d6
Concen: 8.284 ng
RT: 6.949 min Scan# 682
Delta R.T. 0.041 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 99 Resp: 86726

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.2	21.4
71	31.3	29.4	44.0

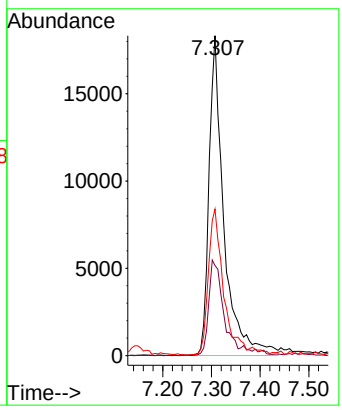




#8
2-Chlorophenol
Concen: 4.486 ng
RT: 7.307 min Scan# 74
Delta R.T. 0.029 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:128 Resp: 3900

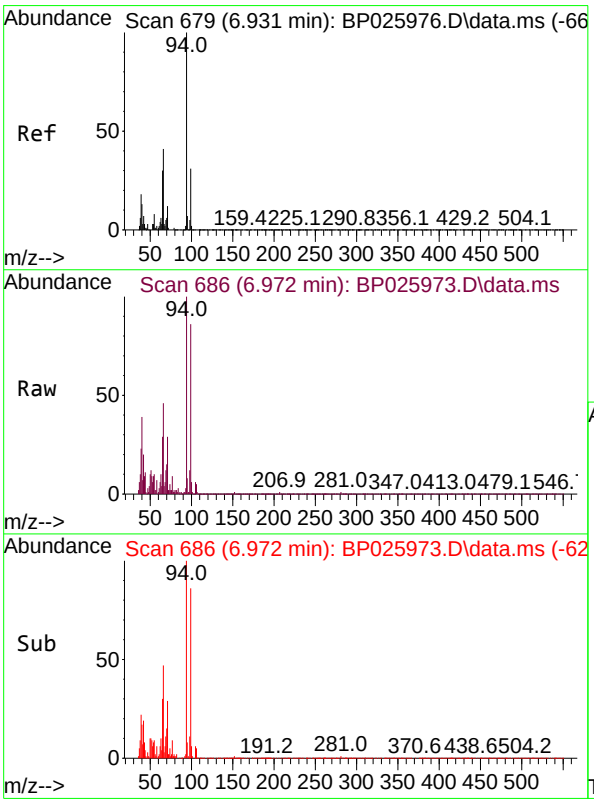
Ion	Ratio	Lower	Upper
128	100		
130	28.1	11.8	51.8
64	45.8	28.0	68.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

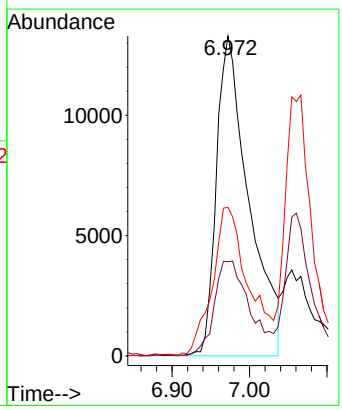
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

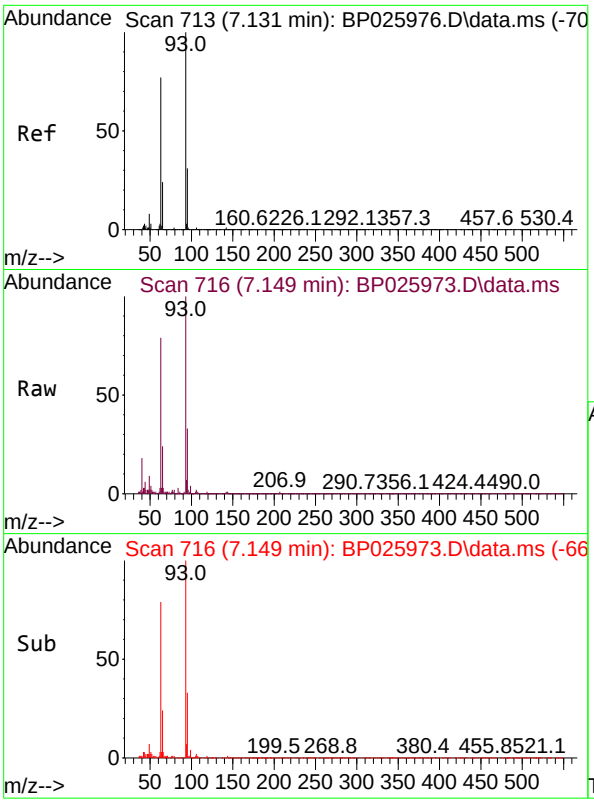


#10
Phenol
Concen: 3.657 ng
RT: 6.972 min Scan# 686
Delta R.T. 0.041 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 94 Resp: 38654

Ion	Ratio	Lower	Upper
94	100		
65	29.4	9.8	49.8
66	46.4	21.4	61.4

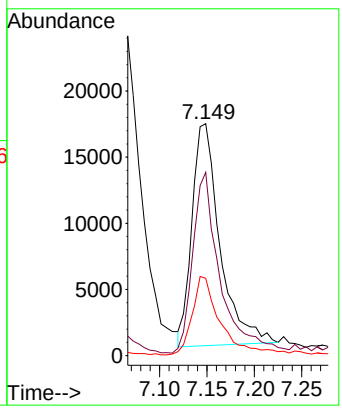




#11
bis(2-Chloroethyl)ether
Concen: 4.000 ng
RT: 7.149 min Scan# 7
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 93 Resp: 3447

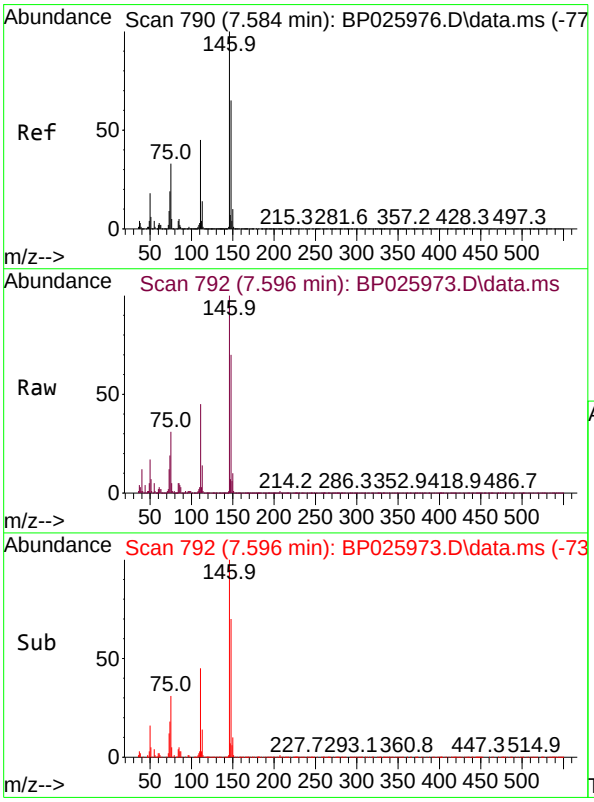
Ion	Ratio	Lower	Upper
93	100		
63	79.0	56.6	96.6
95	33.3	11.3	51.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

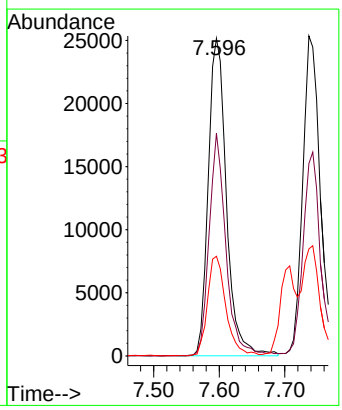
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

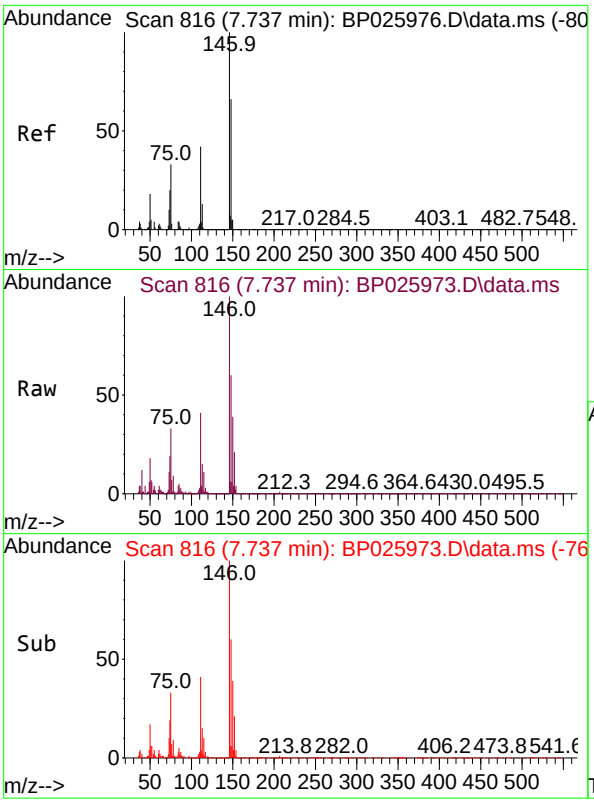


#12
1,3-Dichlorobenzene
Concen: 5.022 ng
RT: 7.596 min Scan# 792
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:146 Resp: 48405

Ion	Ratio	Lower	Upper
146	100		
148	70.1	51.7	77.5
75	31.3	26.1	39.1





#13
1,4-Dichlorobenzene
Concen: 4.850 ng
RT: 7.737 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:146 Resp: 4762

Ion	Ratio	Lower	Upper
146	100		
148	60.1	52.7	79.1
111	41.0	34.0	51.0

Instrument :
BNA_P
ClientSampleId :
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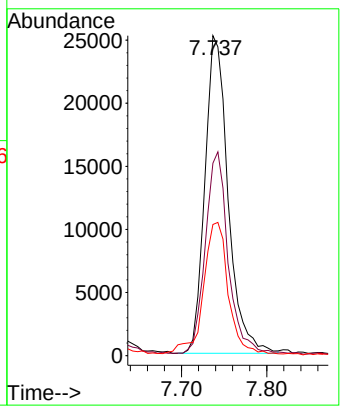
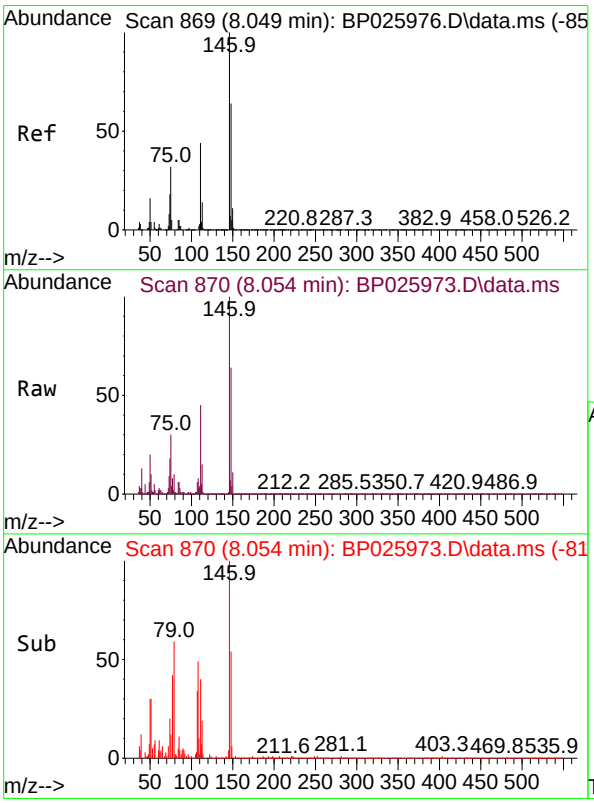
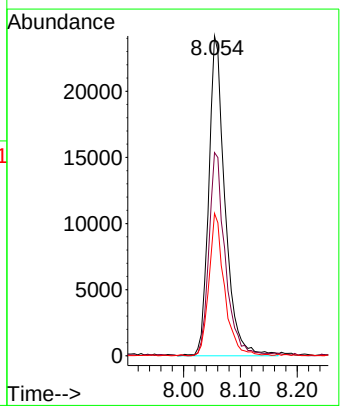


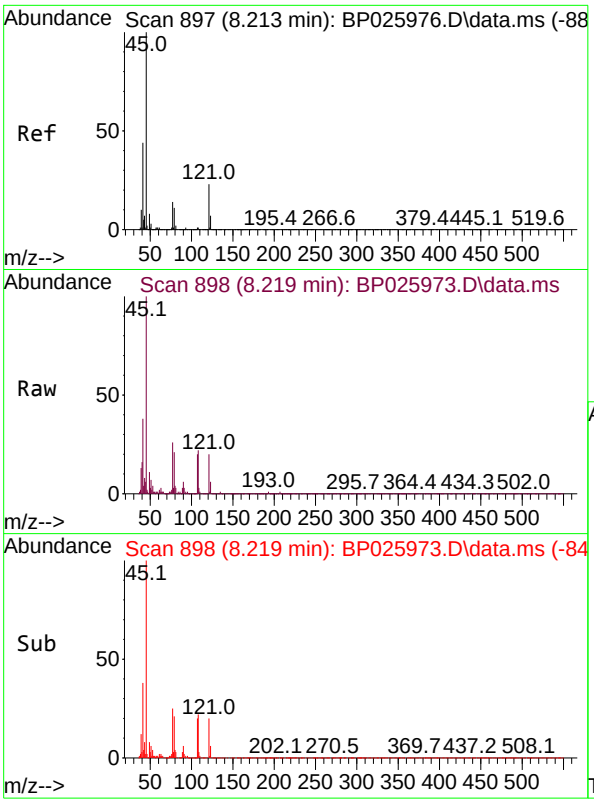


#14
1,2-Dichlorobenzene
Concen: 5.012 ng
RT: 8.054 min Scan# 870
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:146 Resp: 48147

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.6
111	44.5	35.3	52.9





#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.716 ng
RT: 8.219 min Scan# 89
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 6258

Ion	Ratio	Lower	Upper
45	100		
77	25.7	0.0	34.3
79	21.4	0.0	31.5

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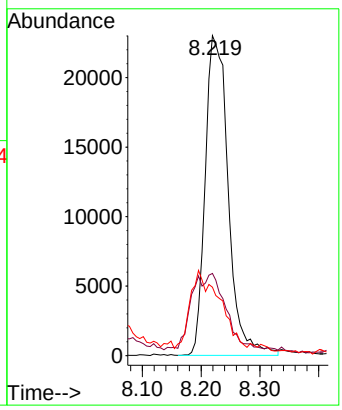
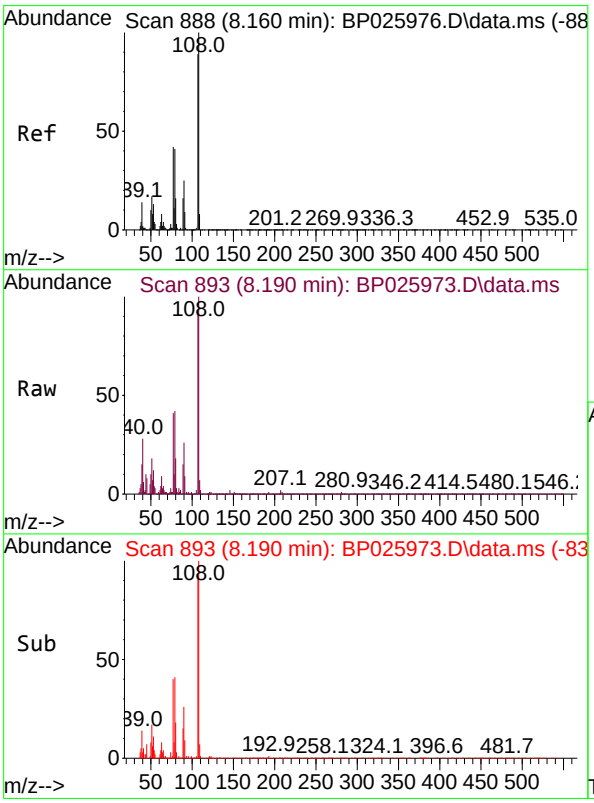
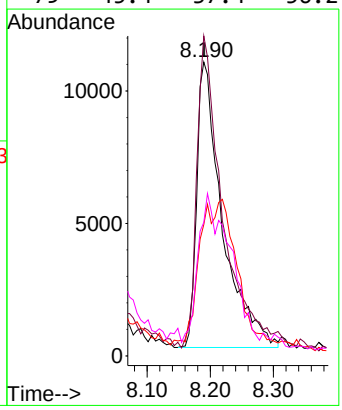


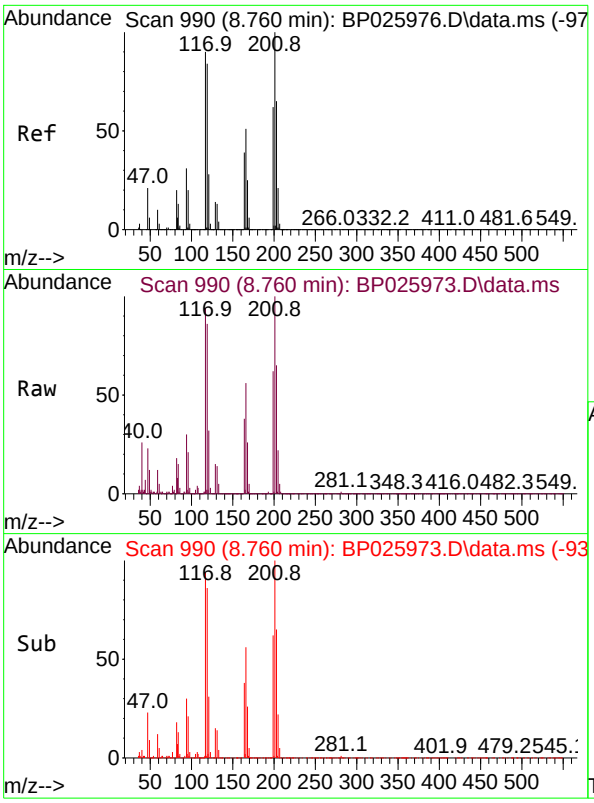


#17
2-Methylphenol
Concen: 4.002 ng
RT: 8.190 min Scan# 893
Delta R.T. 0.029 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:107 Resp: 30317

Ion	Ratio	Lower	Upper
107	100		
108	108.9	89.5	134.3
77	44.7	38.1	57.1
79	45.4	37.4	56.2

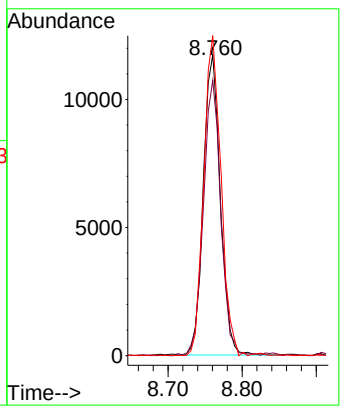




#18
Hexachloroethane
Concen: 5.012 ng
RT: 8.760 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:117 Resp: 1878

Ion	Ratio	Lower	Upper
117	100		
119	91.5	74.6	112.0
201	106.4	88.6	133.0



Instrument :
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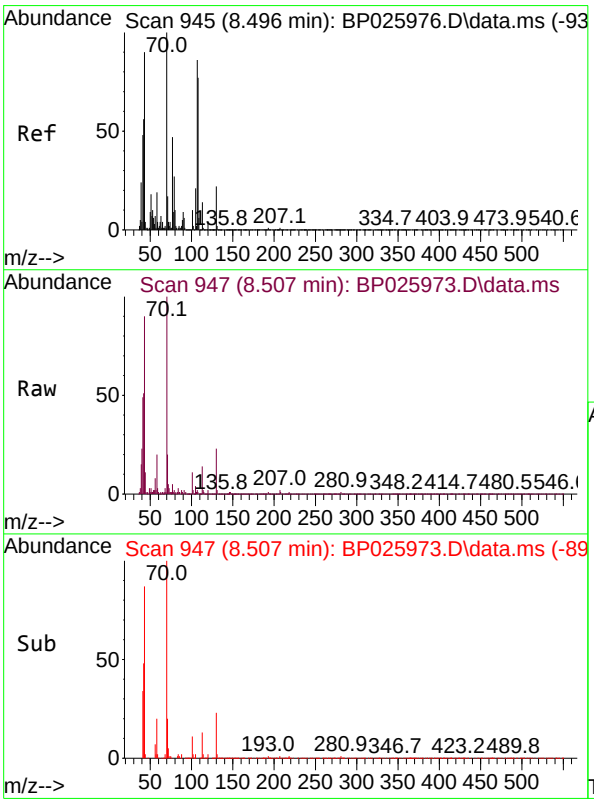
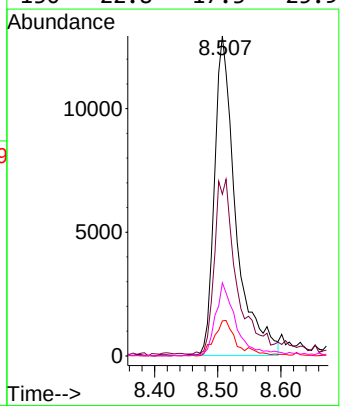
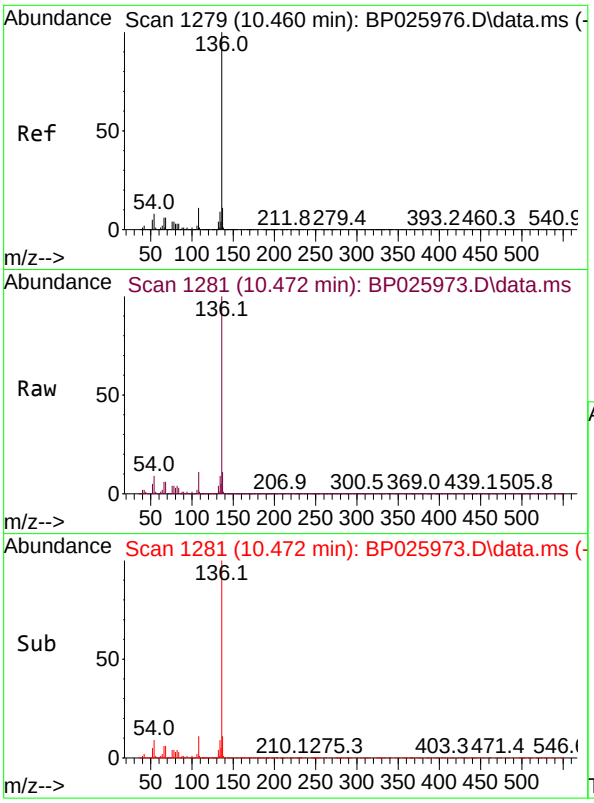


#19
n-Nitroso-di-n-propylamine
Concen: 4.057 ng
RT: 8.507 min Scan# 947
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 70 Resp: 30279

Ion	Ratio	Lower	Upper
70	100		
42	50.5	45.2	67.8
101	10.9	7.9	11.9
130	22.8	17.3	25.9

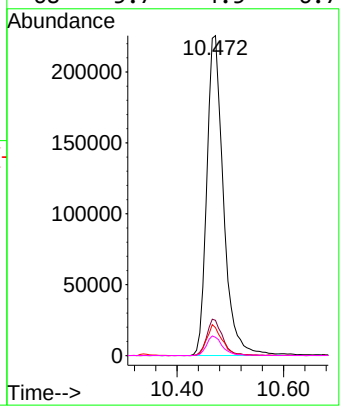




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.472 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:136 Resp: 48941

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	8.7	6.8	10.2
68	5.7	4.5	6.7



Instrument :
BNA_P
ClientSampleId :
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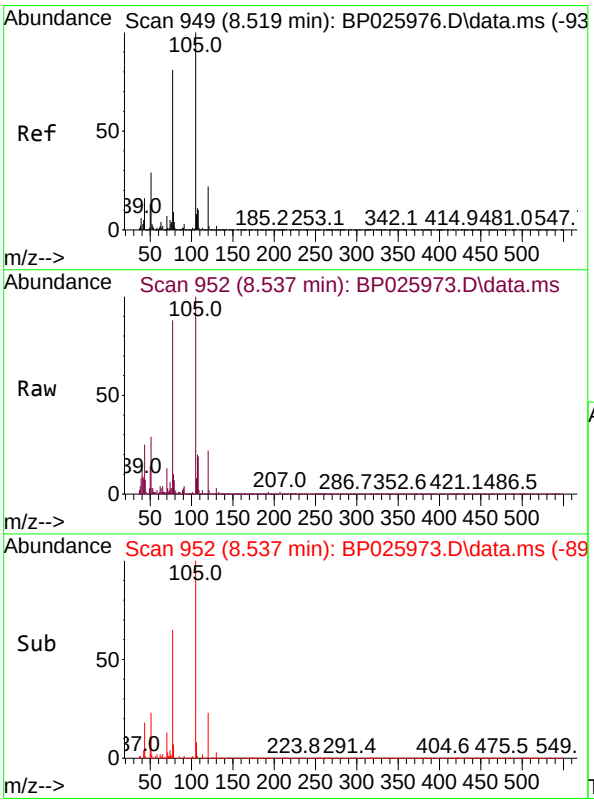
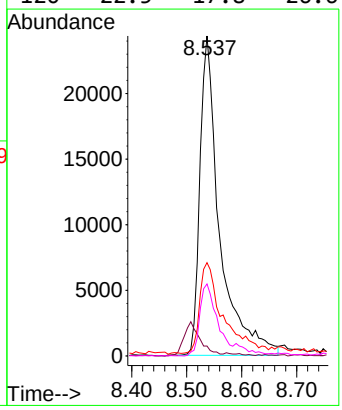
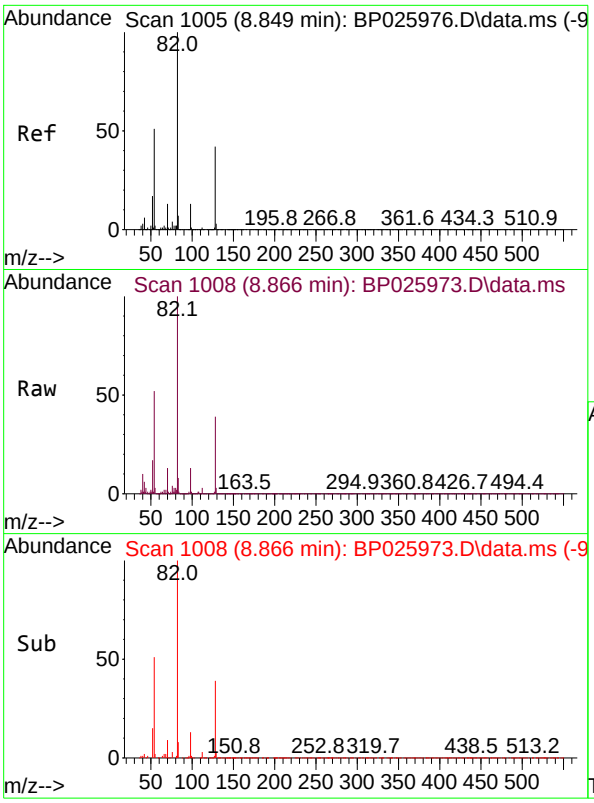


#22
Acetophenone
Concen: 4.557 ng
RT: 8.537 min Scan# 952
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:105 Resp: 60627

Ion	Ratio	Lower	Upper
105	100		
71	3.1	0.9	1.3#
51	29.1	23.0	34.4
120	22.5	17.8	26.6

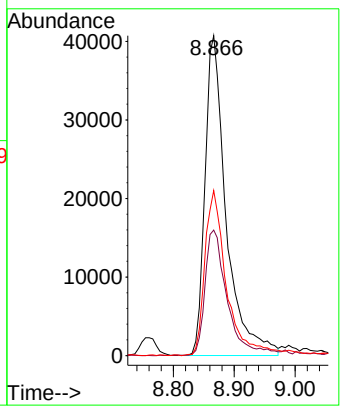




#23
Nitrobenzene-d5
Concen: 9.013 ng
RT: 8.866 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 82 Resp: 9813

Ion	Ratio	Lower	Upper
82	100		
128	39.2	33.6	50.4
54	51.6	40.6	61.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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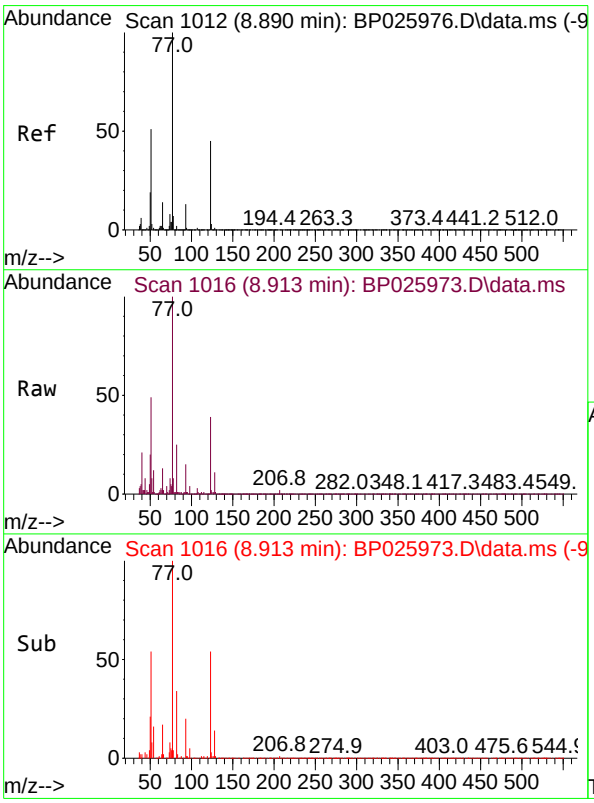
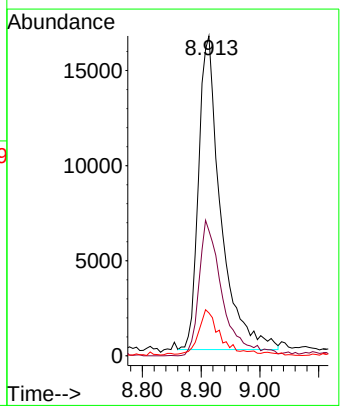
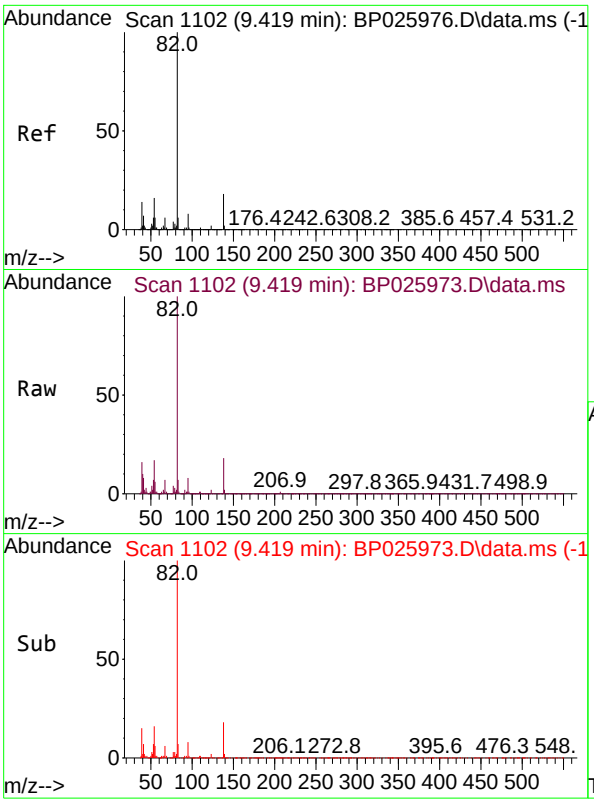


#24
Nitrobenzene
Concen: 4.453 ng
RT: 8.913 min Scan# 1016
Delta R.T. 0.023 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 77 Resp: 43117

Ion	Ratio	Lower	Upper
77	100		
123	39.1	35.6	53.4
65	13.4	11.1	16.7

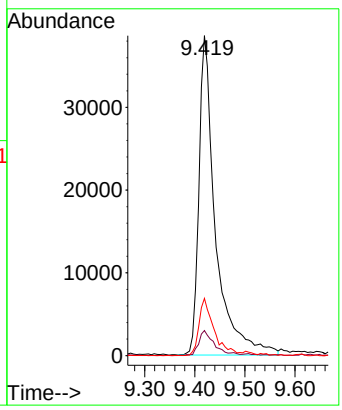




#25
Isophorone
Concen: 4.531 ng
RT: 9.419 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 82 Resp: 8860

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.1	9.1
138	17.9	14.2	21.2



Instrument :
BNA_P
ClientSampleId :
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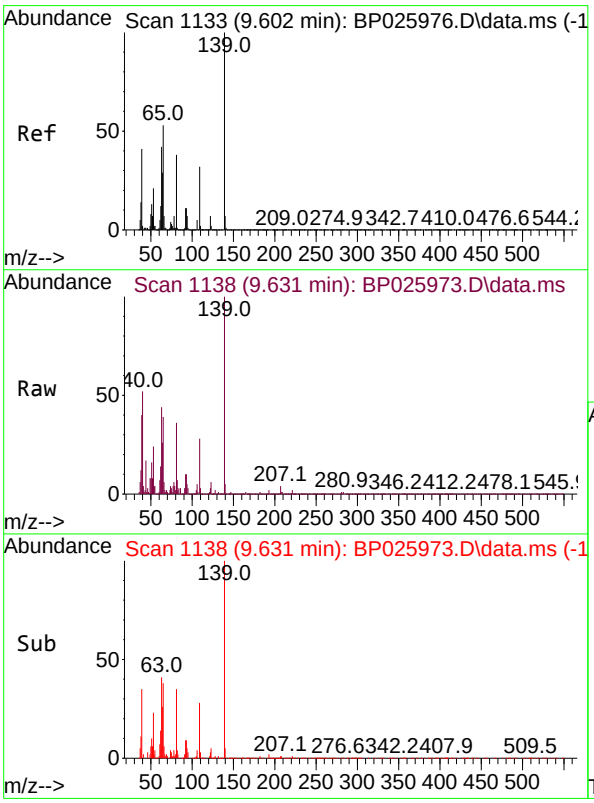
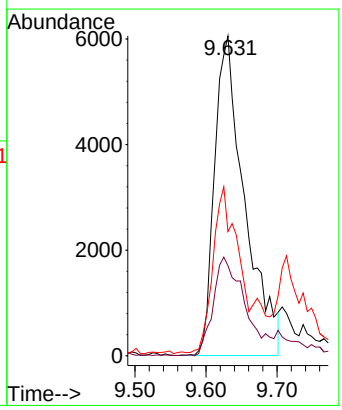
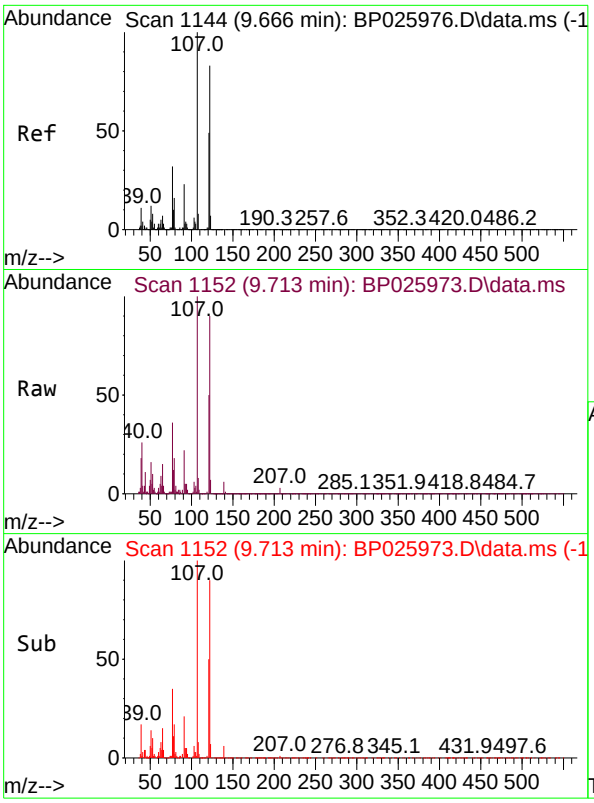


#26
2-Nitrophenol
Concen: 3.805 ng
RT: 9.631 min Scan# 1138
Delta R.T. 0.029 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:139 Resp: 17843

Ion	Ratio	Lower	Upper
139	100		
109	28.2	25.9	38.9
65	38.9	42.4	63.6#





#27
2,4-Dimethylphenol
Concen: 4.151 ng
RT: 9.713 min Scan# 11
Delta R.T. 0.047 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:122 Resp: 3298

Ion	Ratio	Lower	Upper
122	100		
107	111.4	95.9	143.9
121	56.3	46.6	70.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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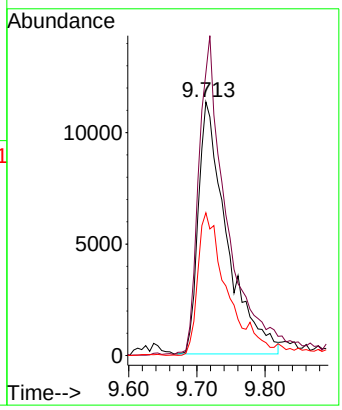
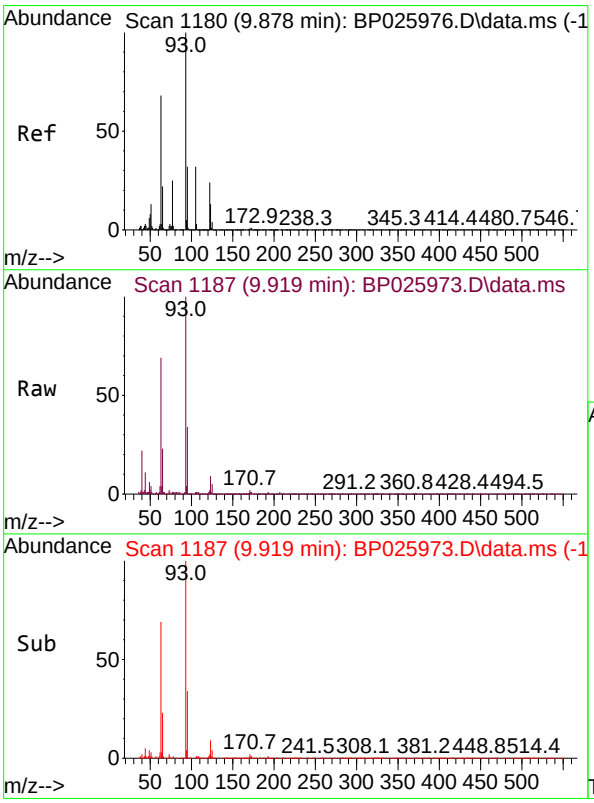
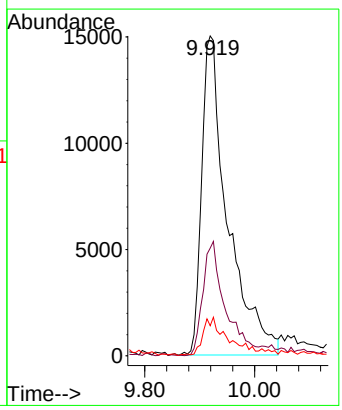


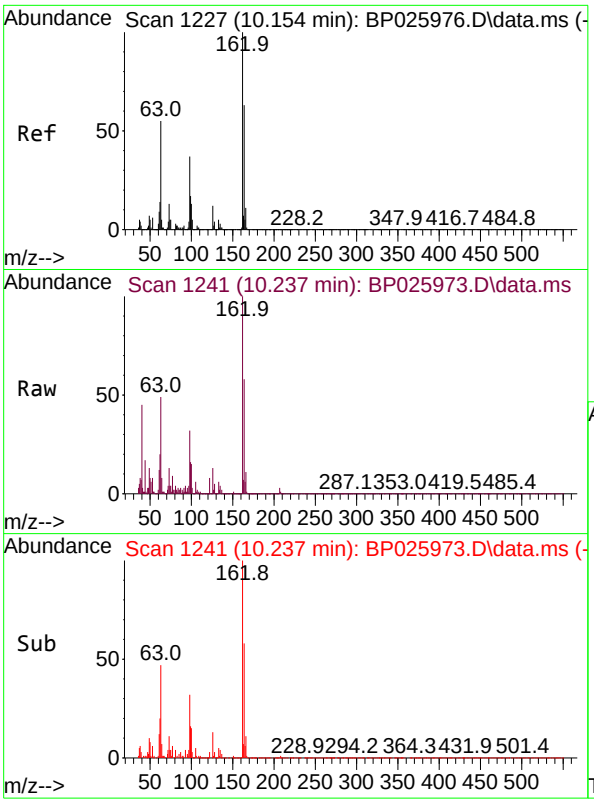


#28
bis(2-Chloroethoxy)methane
Concen: 4.305 ng
RT: 9.919 min Scan# 1187
Delta R.T. 0.041 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 93 Resp: 49254

Ion	Ratio	Lower	Upper
93	100		
95	33.7	25.3	37.9
123	9.4	10.4	15.6#





#29
2,4-Dichlorophenol
Concen: 3.911 ng
RT: 10.237 min Scan# 1
Delta R.T. 0.082 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:162 Resp: 3096

Ion	Ratio	Lower	Upper
162	100		
164	58.0	43.4	83.4
98	31.8	17.3	57.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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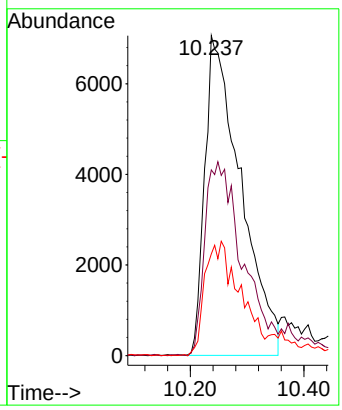
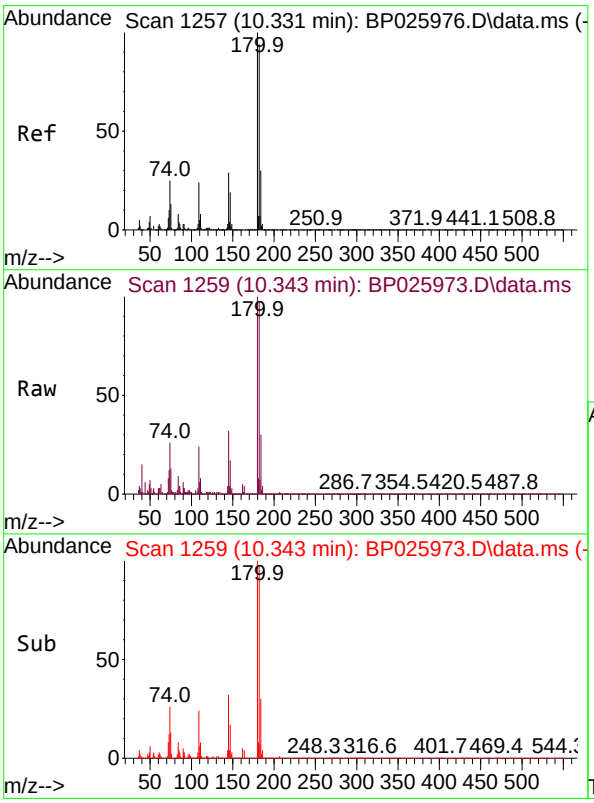
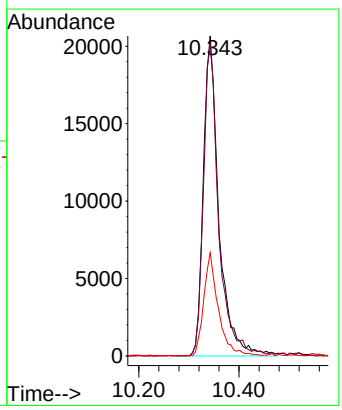


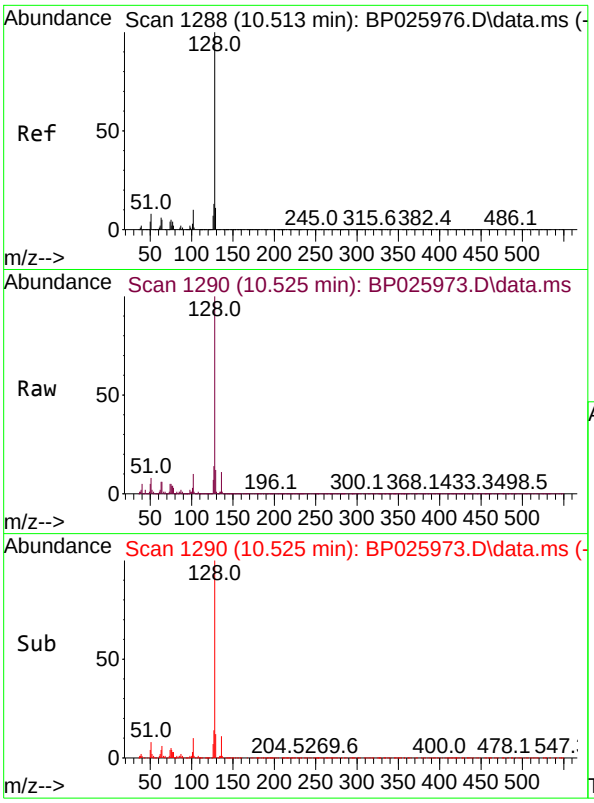


#30
1,2,4-Trichlorobenzene
Concen: 4.975 ng
RT: 10.343 min Scan# 1259
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:180 Resp: 44594

Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.3	112.9
145	32.2	23.4	35.2

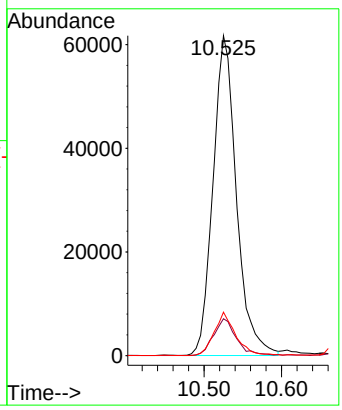




#31
Naphthalene
Concen: 4.920 ng
RT: 10.525 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:128 Resp: 12988

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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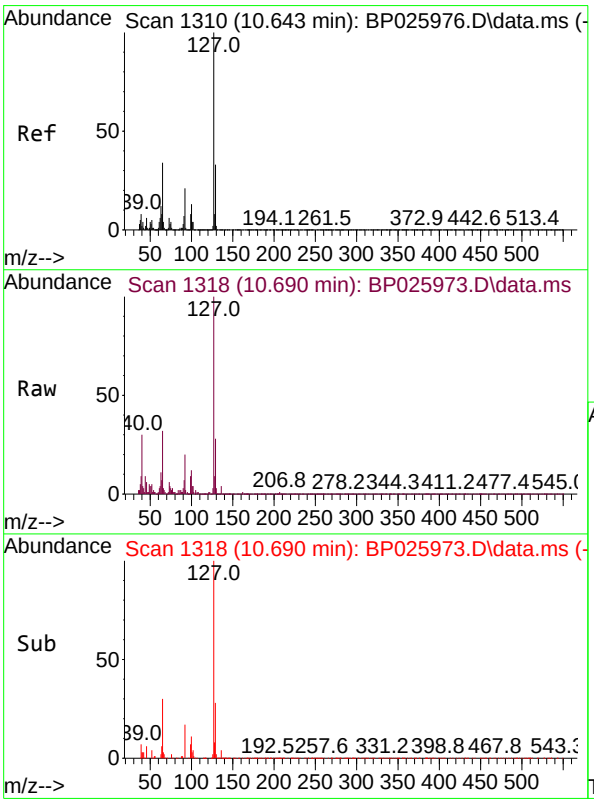
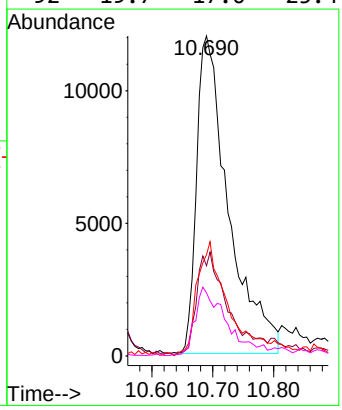
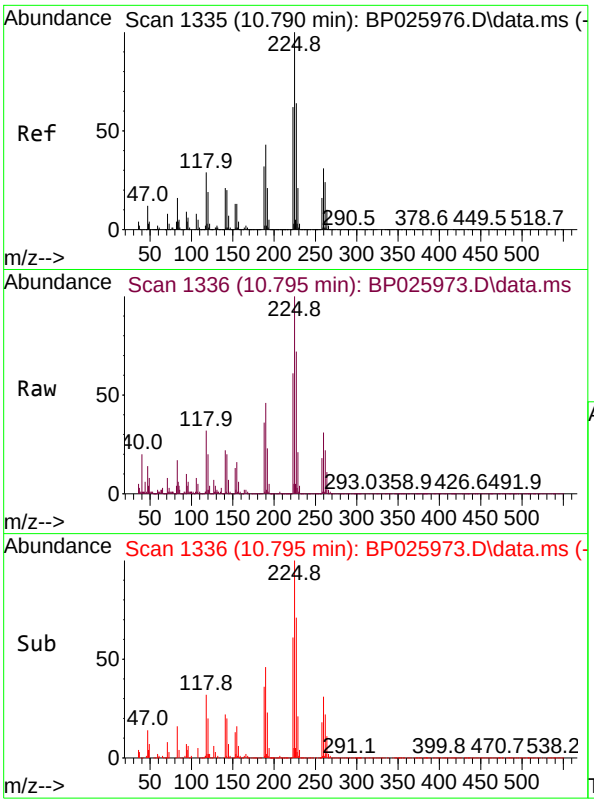


#33
4-Chloroaniline
Concen: 3.903 ng
RT: 10.690 min Scan# 1318
Delta R.T. 0.047 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:127 Resp: 43758

Ion	Ratio	Lower	Upper
127	100		
129	28.2	26.2	39.4
65	31.6	27.2	40.8
92	19.7	17.0	25.4

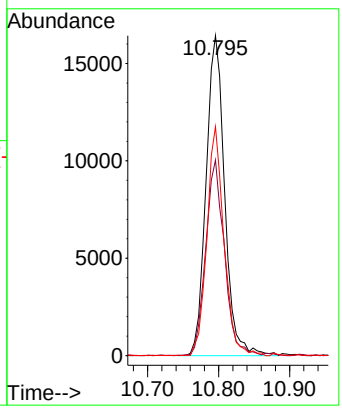




#34
Hexachlorobutadiene
Concen: 5.020 ng
RT: 10.795 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:225 Resp: 2978

Ion	Ratio	Lower	Upper
225	100		
223	61.1	49.8	74.8
227	71.5	51.4	77.2



Instrument :
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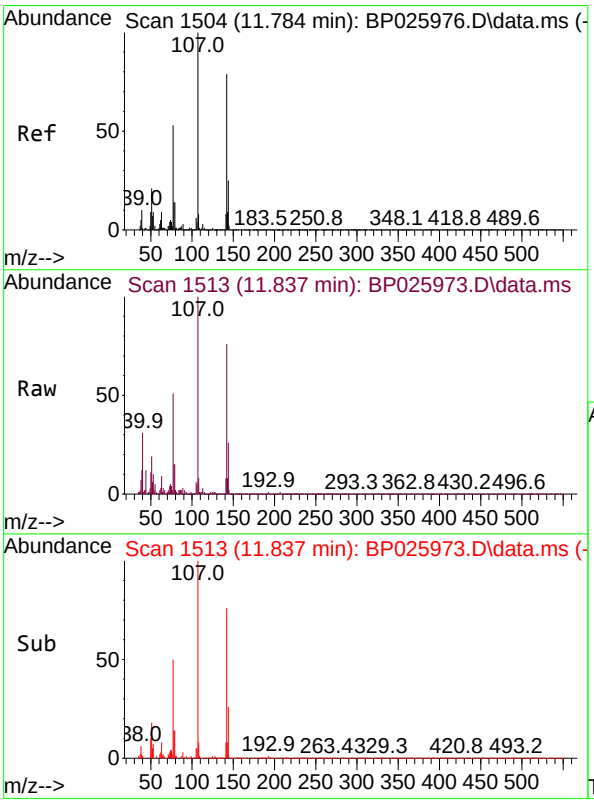
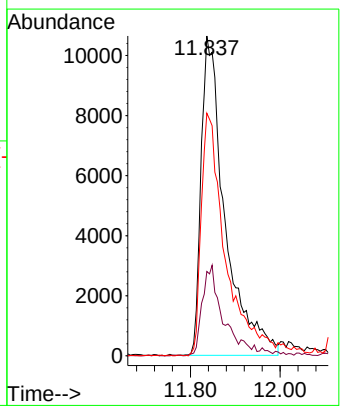
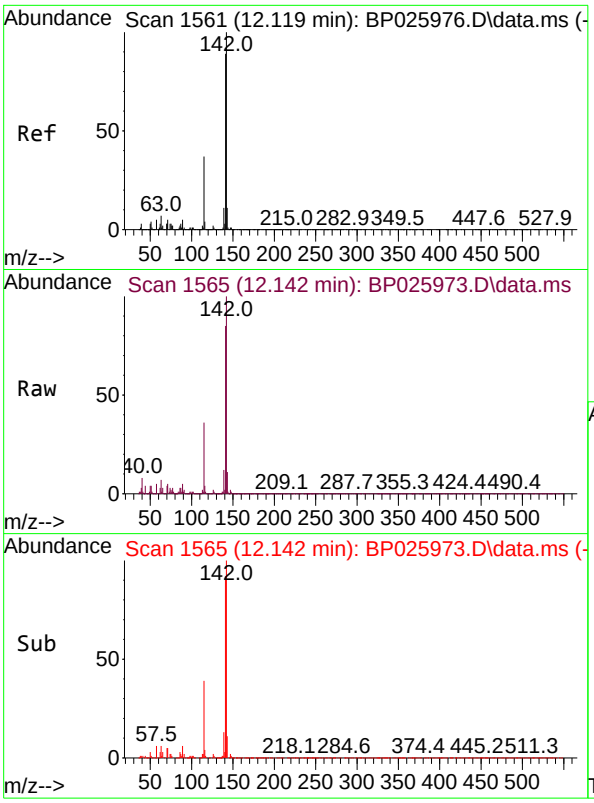


#36
4-Chloro-3-methylphenol
Concen: 4.227 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.053 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:107 Resp: 39293

Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.3	30.5
142	75.8	63.0	94.4





#37
2-Methylnaphthalene
Concen: 4.786 ng
RT: 12.142 min Scan# 1
Delta R.T. 0.023 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:142 Resp: 8273

Ion	Ratio	Lower	Upper
142	100		
141	85.4	70.9	106.3
115	36.0	29.9	44.9

Instrument :
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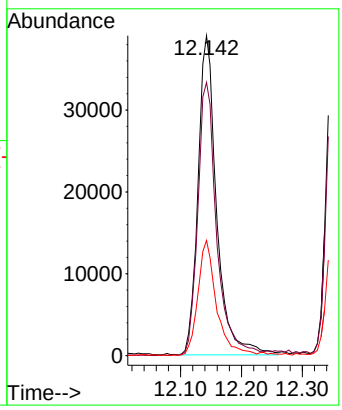
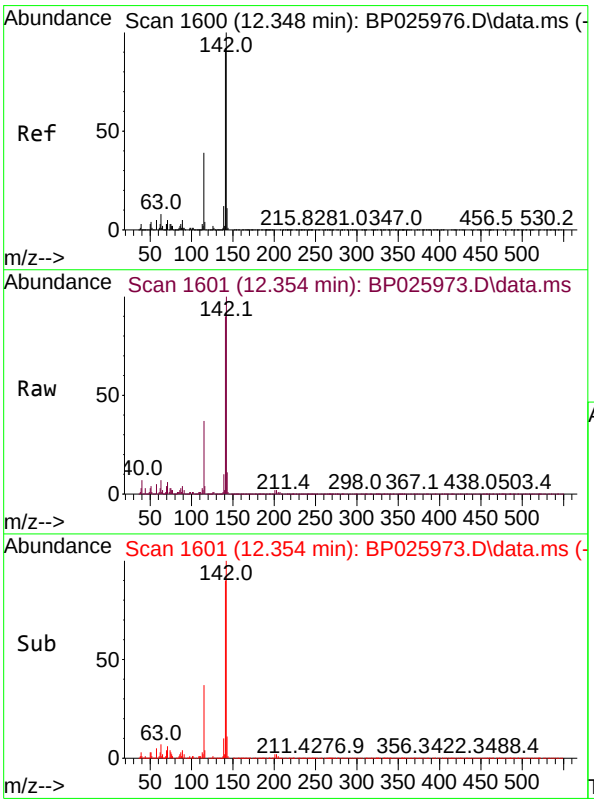
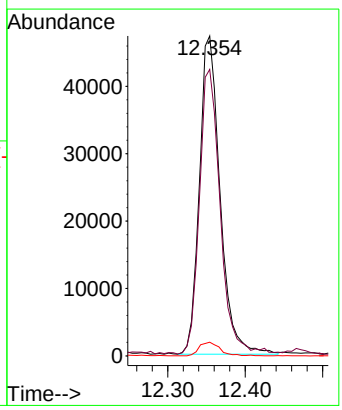


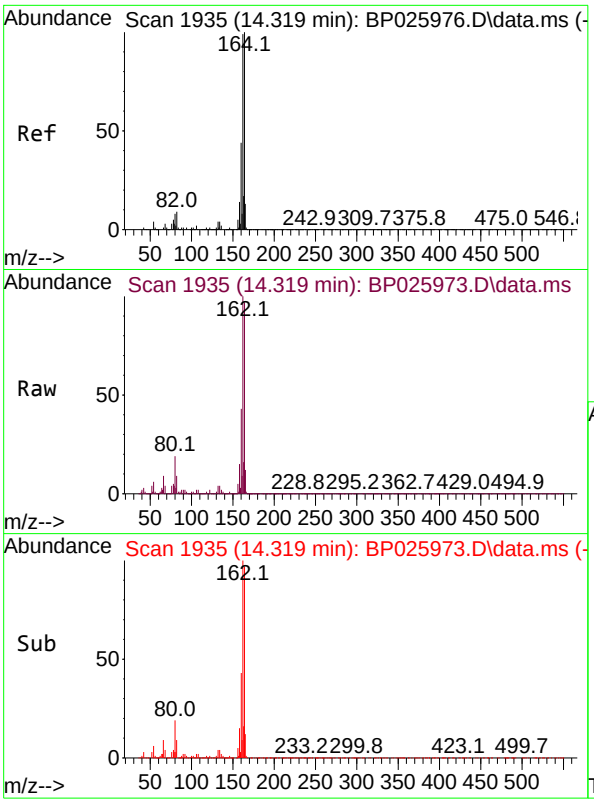


#38
1-Methylnaphthalene
Concen: 4.801 ng
RT: 12.354 min Scan# 1601
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:142 Resp: 87537

Ion	Ratio	Lower	Upper
142	100		
141	89.5	73.7	110.5
116	4.3	3.2	4.8

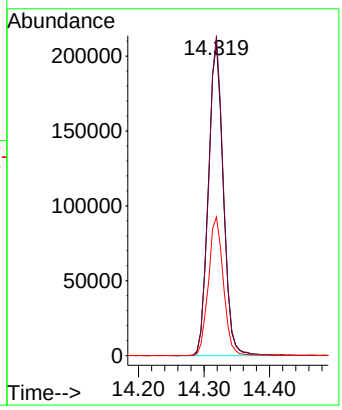




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:164 Resp: 330343

Ion	Ratio	Lower	Upper
164	100		
162	102.6	79.3	118.9
160	44.5	35.4	53.0



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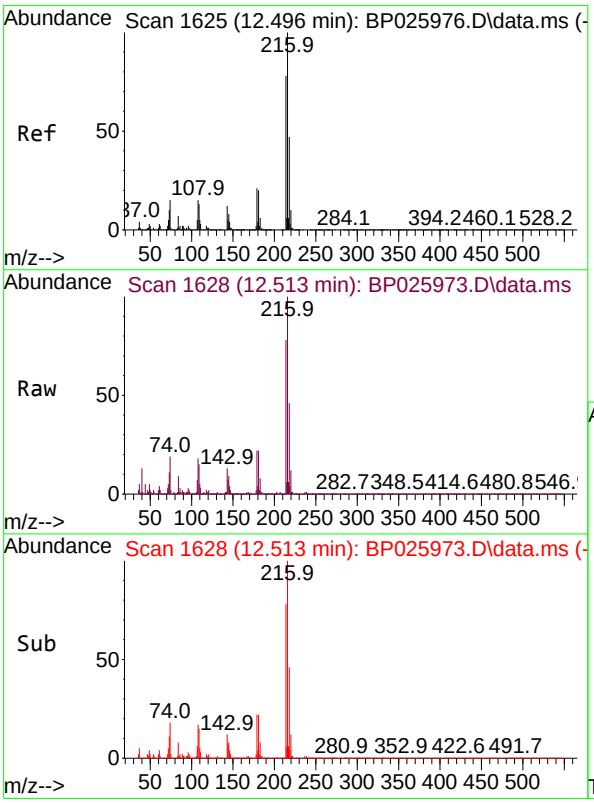
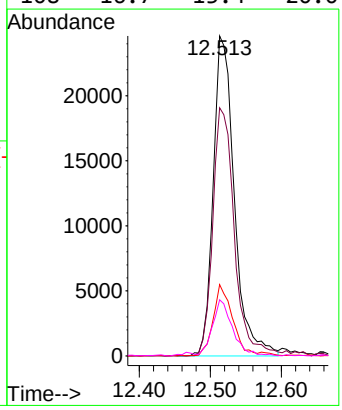
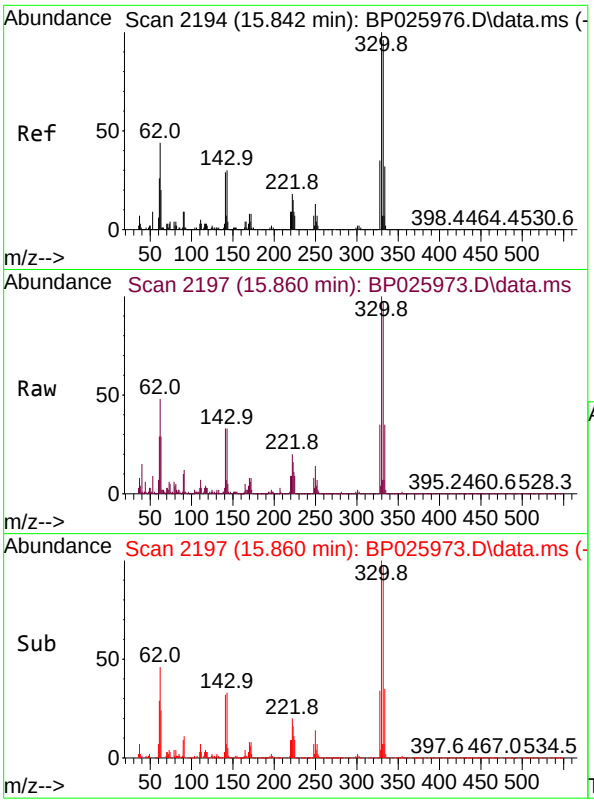


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.735 ng
RT: 12.513 min Scan# 1628
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:216 Resp: 50939

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.6	94.0
179	20.3	16.5	24.7
108	16.7	13.4	20.0

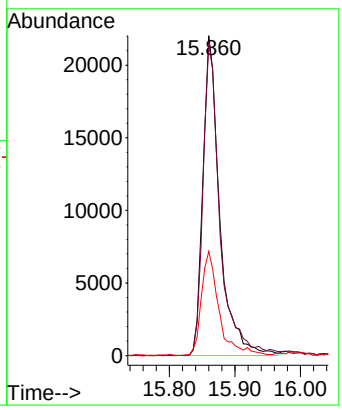




#42
2,4,6-Tribromophenol
Concen: 8.790 ng
RT: 15.860 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:330 Resp: 3909

Ion	Ratio	Lower	Upper
330	100		
332	100.3	77.8	116.8
141	34.0	25.6	38.4



Instrument :
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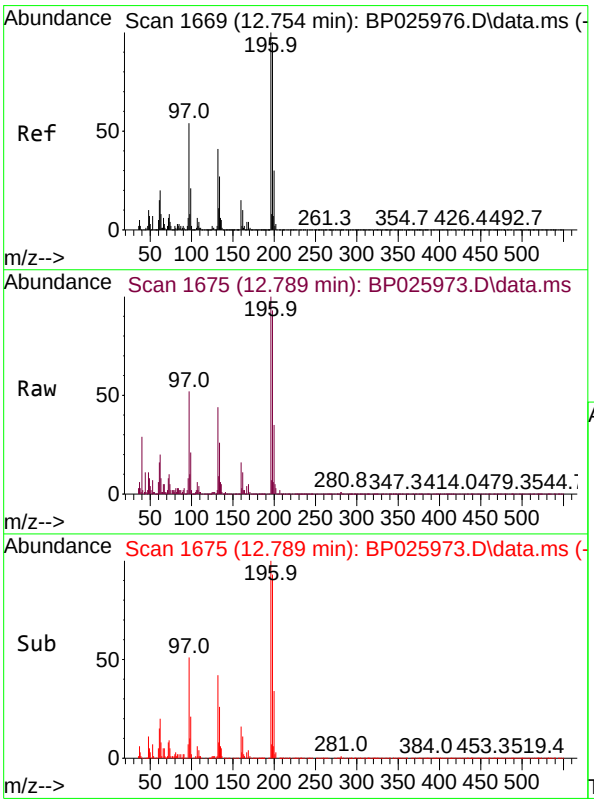
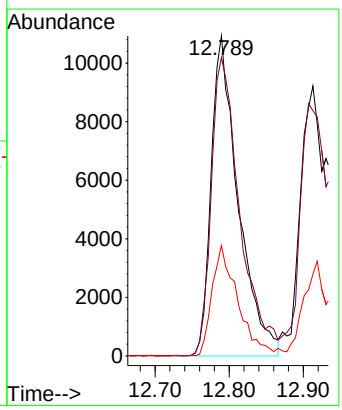
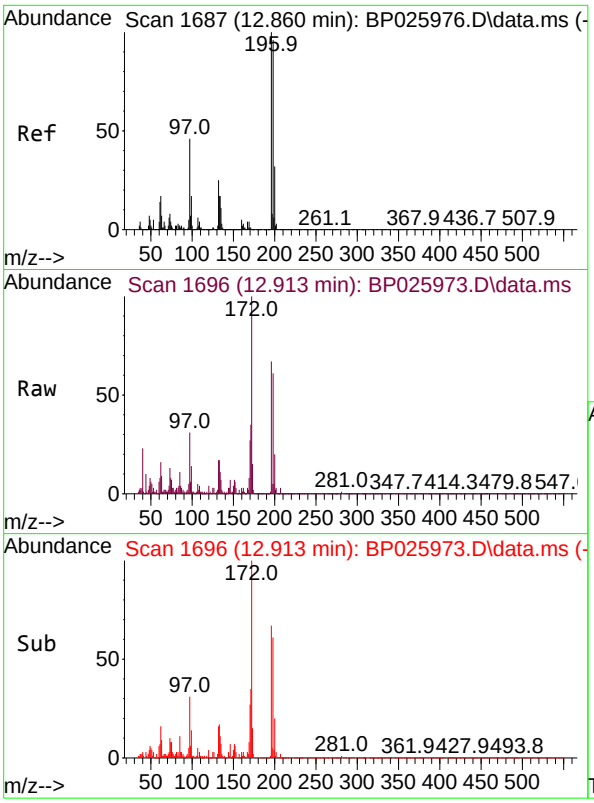


#43
2,4,6-Trichlorophenol
Concen: 4.054 ng
RT: 12.789 min Scan# 1675
Delta R.T. 0.035 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:196 Resp: 27681

Ion	Ratio	Lower	Upper
196	100		
198	93.3	76.3	114.5
200	34.6	23.9	35.9

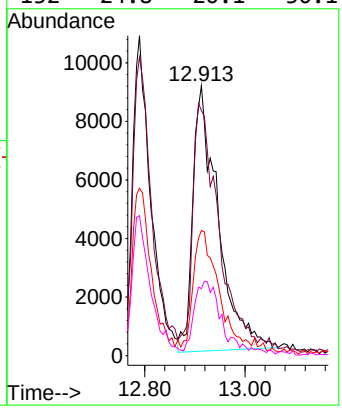




#44
2,4,5-Trichlorophenol
Concen: 4.270 ng
RT: 12.913 min Scan# 1
Delta R.T. 0.053 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:196 Resp: 3174

Ion	Ratio	Lower	Upper
196	100		
198	90.9	77.0	115.4
97	46.3	36.6	54.8
132	24.8	20.1	30.1



Instrument :
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ClientSampleId :
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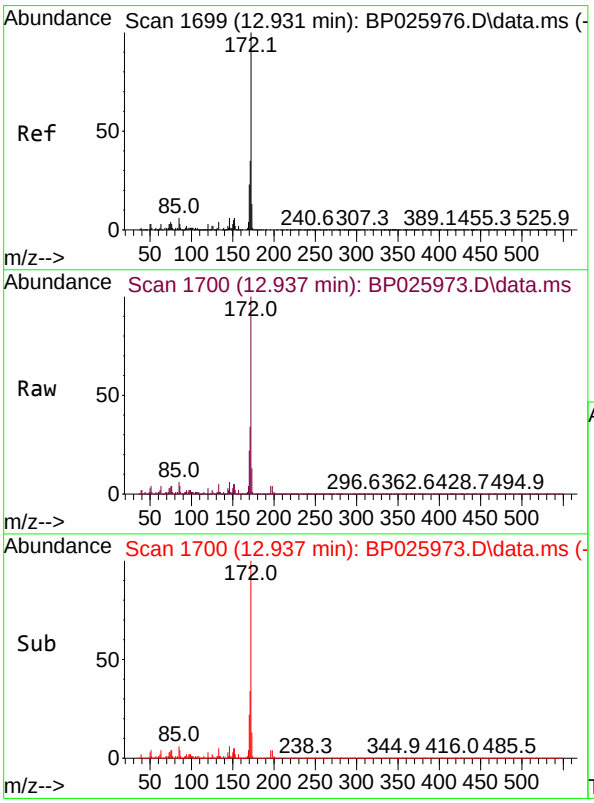
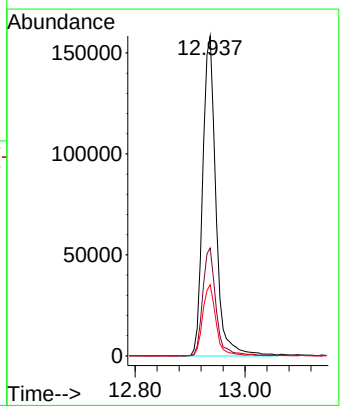
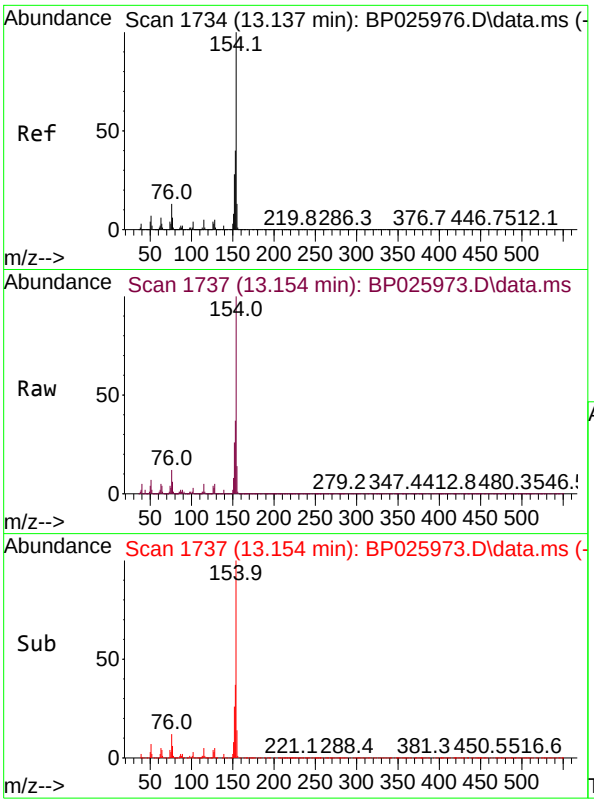


#45
2-Fluorobiphenyl
Concen: 10.228 ng
RT: 12.937 min Scan# 1700
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:172 Resp: 263613

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.8	41.8
170	22.2	18.5	27.7

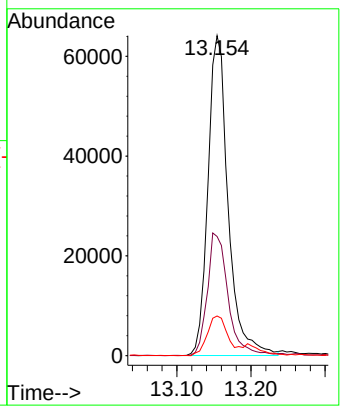




#46
1,1'-Biphenyl
Concen: 4.861 ng
RT: 13.154 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:154 Resp: 12131

Ion	Ratio	Lower	Upper
154	100		
153	37.2	20.1	60.1
76	12.4	0.0	33.1



Instrument :
BNA_P
ClientSampleId :
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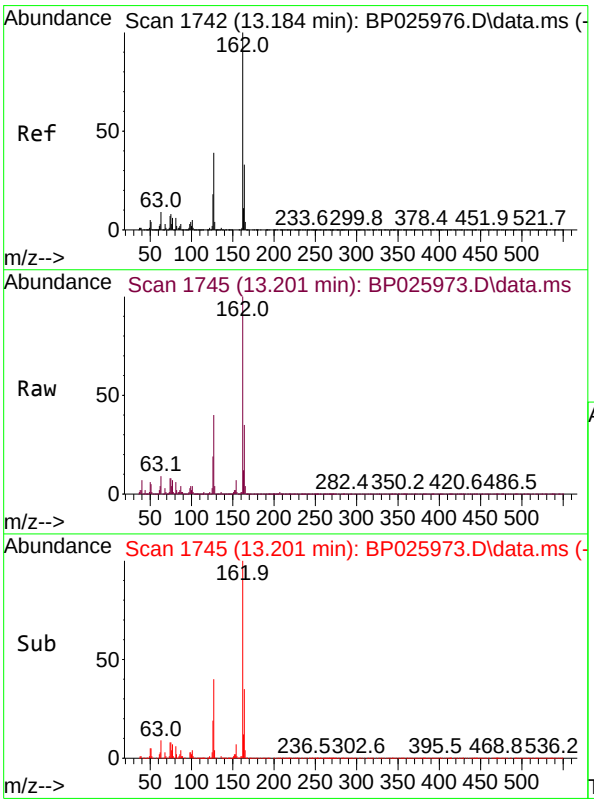
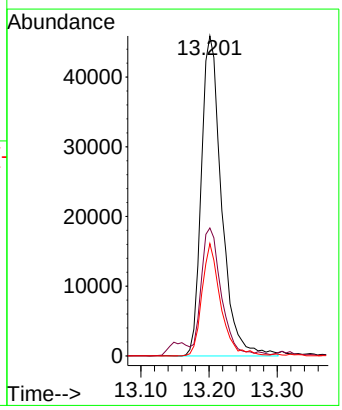
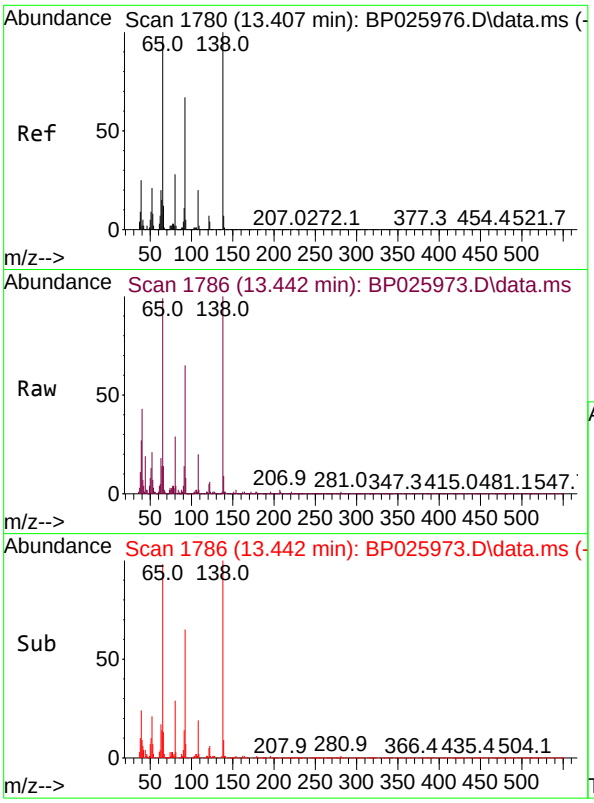


#47
2-Chloronaphthalene
Concen: 4.859 ng
RT: 13.201 min Scan# 1745
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:162 Resp: 94814

Ion	Ratio	Lower	Upper
162	100		
127	40.0	31.4	47.0
164	35.1	26.4	39.6

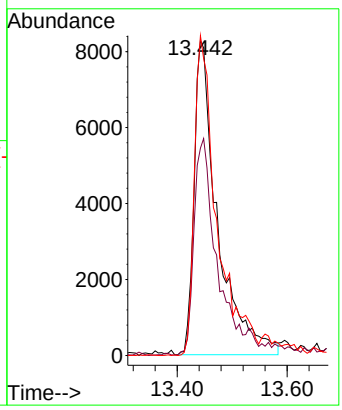




#48
2-Nitroaniline
Concen: 4.018 ng
RT: 13.442 min Scan# 1
Delta R.T. 0.035 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 65 Resp: 2443

Ion	Ratio	Lower	Upper
65	100		
92	65.8	55.0	82.4
138	101.5	82.0	123.0



Instrument :
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ClientSampleId :
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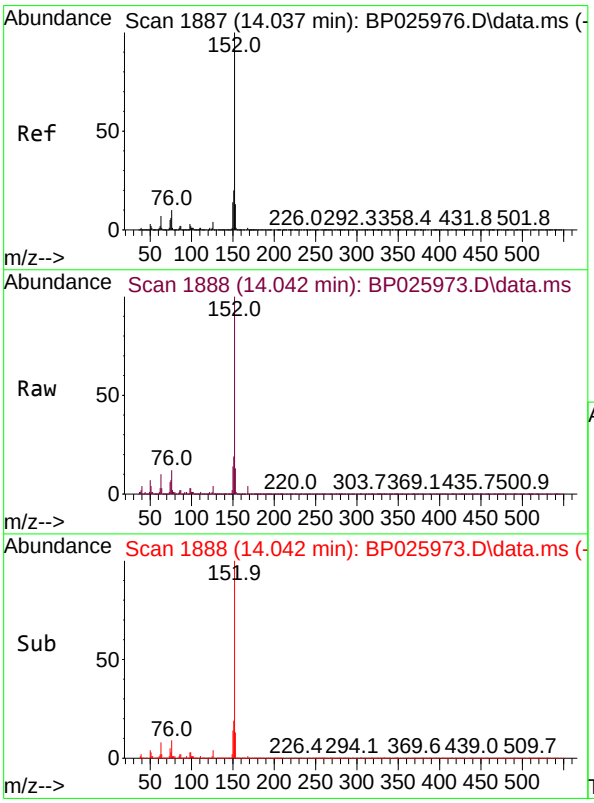
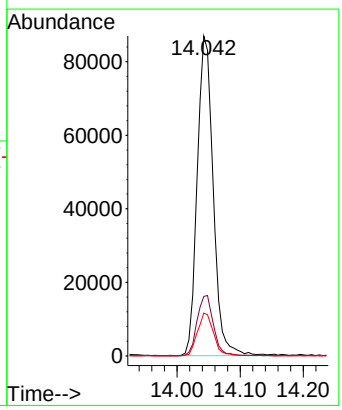
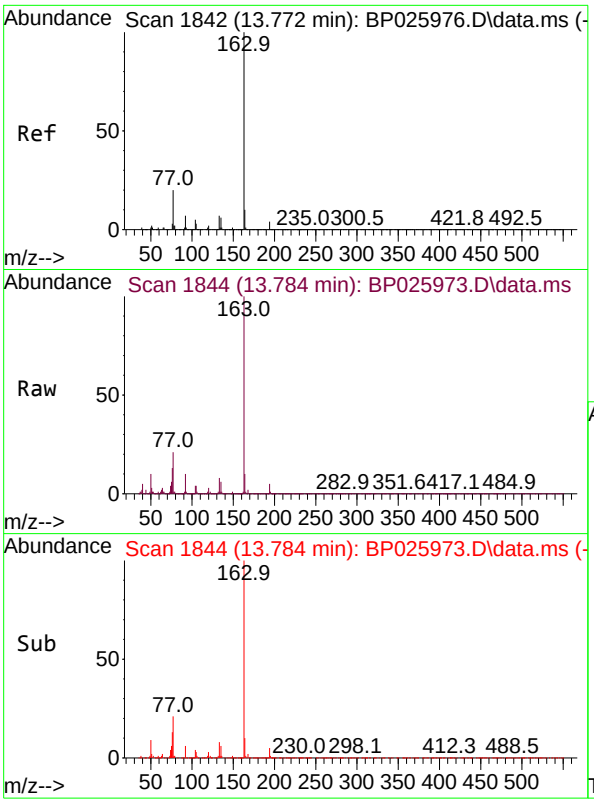


#49
Acenaphthylene
Concen: 4.867 ng
RT: 14.042 min Scan# 1888
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:152 Resp: 153547

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.9	23.9
153	13.4	10.6	15.8

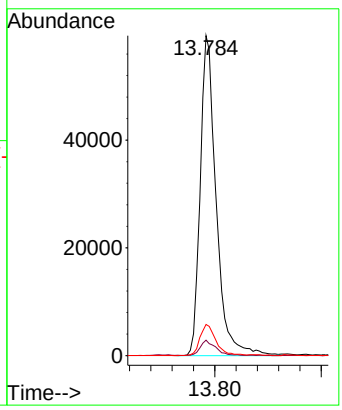




#50
Dimethylphthalate
Concen: 4.942 ng
RT: 13.784 min Scan# 18
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:163 Resp: 12338

Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.6	5.4
164	9.7	8.2	12.2



Instrument :
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ClientSampleId :
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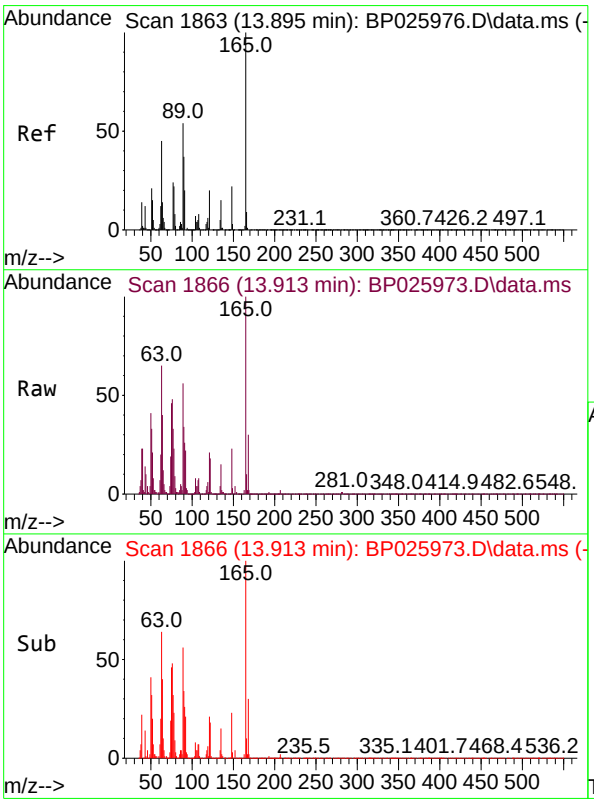
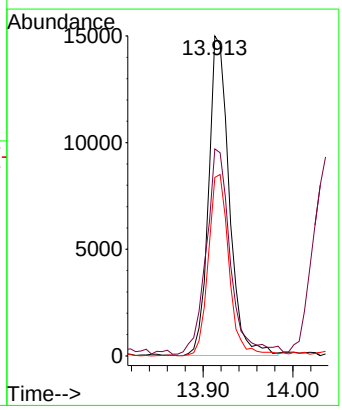
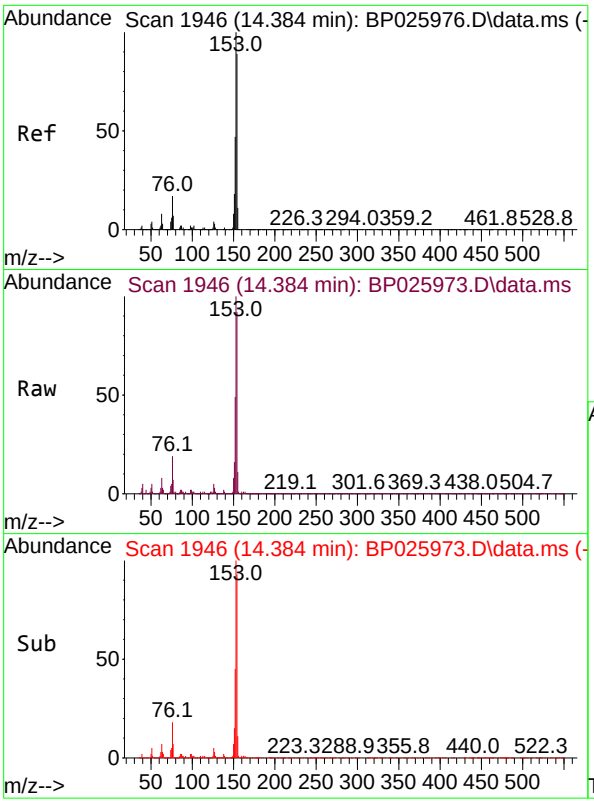


#51
2,6-Dinitrotoluene
Concen: 4.437 ng
RT: 13.913 min Scan# 1866
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:165 Resp: 23919

Ion	Ratio	Lower	Upper
165	100		
63	64.7	45.4	68.0
89	55.8	43.4	65.0

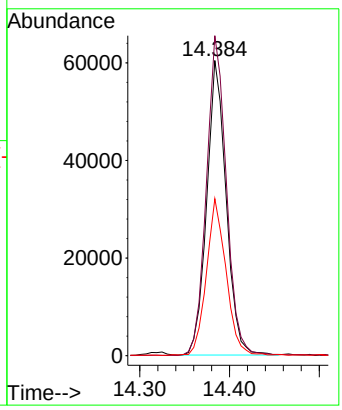




#52
Acenaphthene
Concen: 4.990 ng
RT: 14.384 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:154 Resp: 9090

Ion	Ratio	Lower	Upper
154	100		
153	108.4	90.2	135.2
152	53.2	42.2	63.2



Instrument :
BNA_P
ClientSampleId :
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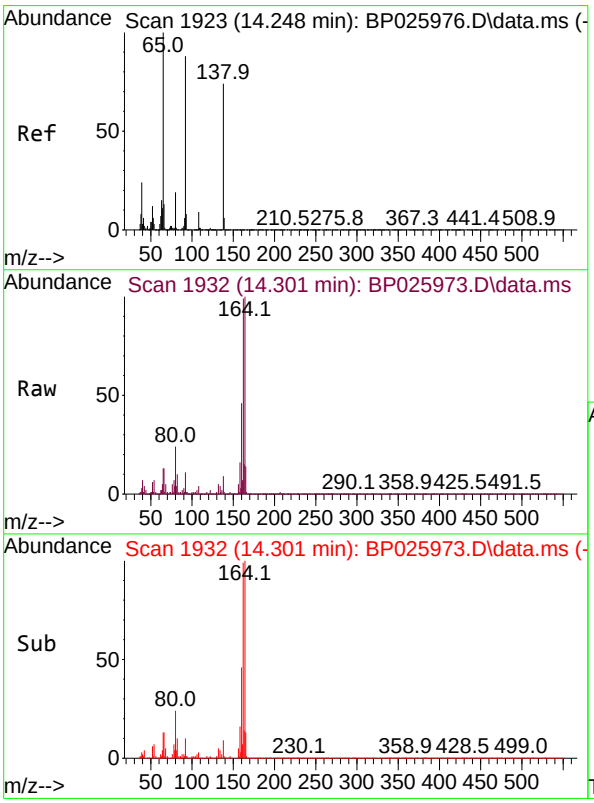
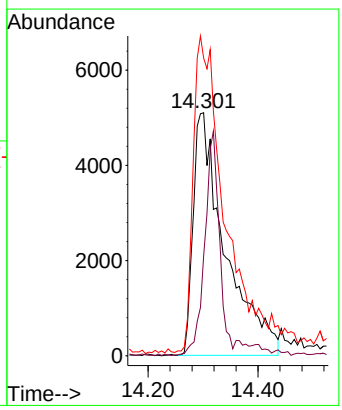
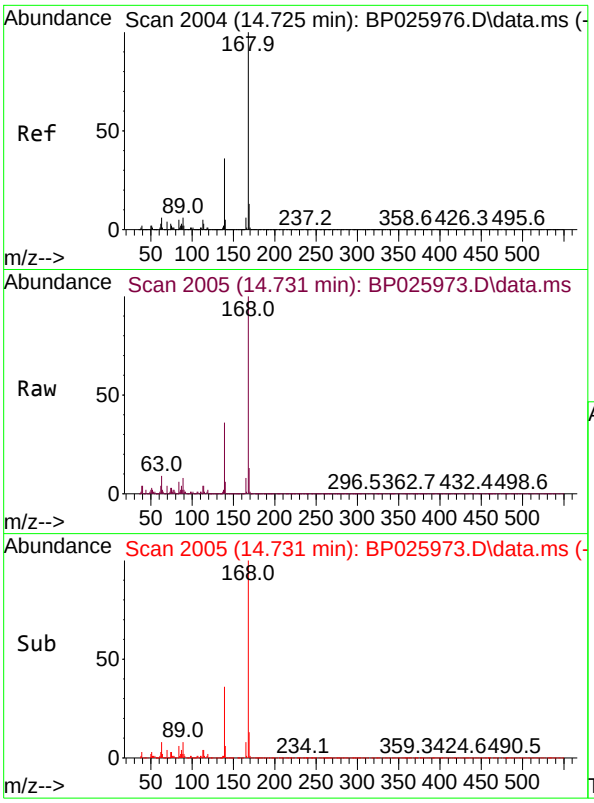


#53
3-Nitroaniline
Concen: 3.888 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.053 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:138 Resp: 20630

Ion	Ratio	Lower	Upper
138	100		
108	41.1	10.0	15.0#
92	122.6	96.1	144.1

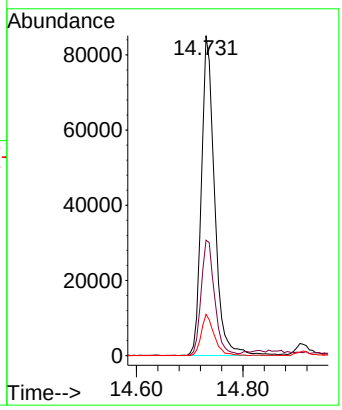




#55
Dibenzofuran
Concen: 5.020 ng
RT: 14.731 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:168 Resp: 14644

Ion	Ratio	Lower	Upper
168	100		
139	36.1	30.5	45.7
169	12.9	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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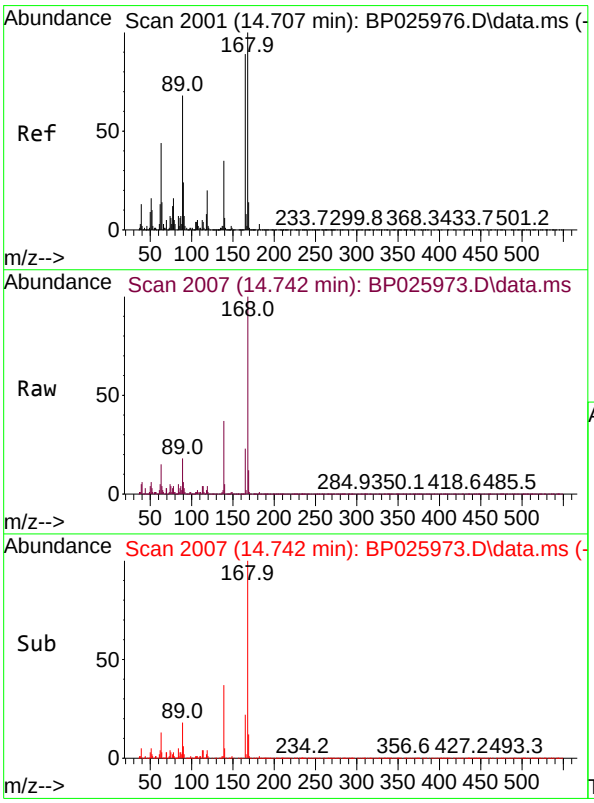
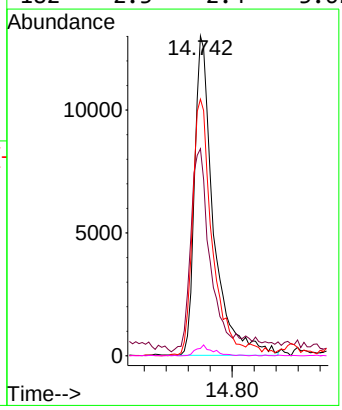
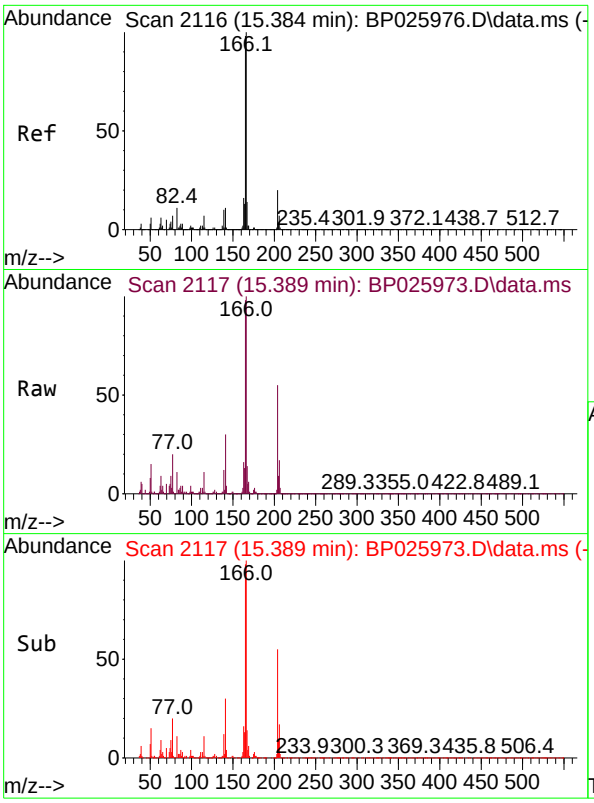


#57
2,4-Dinitrotoluene
Concen: 4.262 ng
RT: 14.742 min Scan# 2007
Delta R.T. 0.035 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:165 Resp: 31130

Ion	Ratio	Lower	Upper
165	100		
63	64.7	41.8	62.6#
89	80.2	61.6	92.4
182	2.3	2.4	3.6#

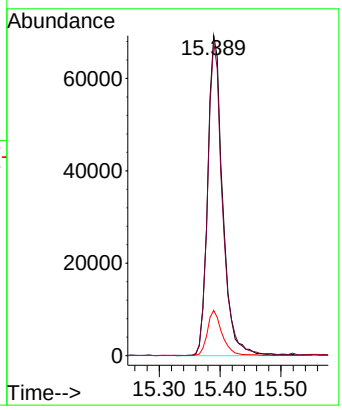




#58
Fluorene
Concen: 5.030 ng
RT: 15.389 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:166 Resp: 11790

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.2	117.2
167	14.1	10.8	16.2



Instrument :
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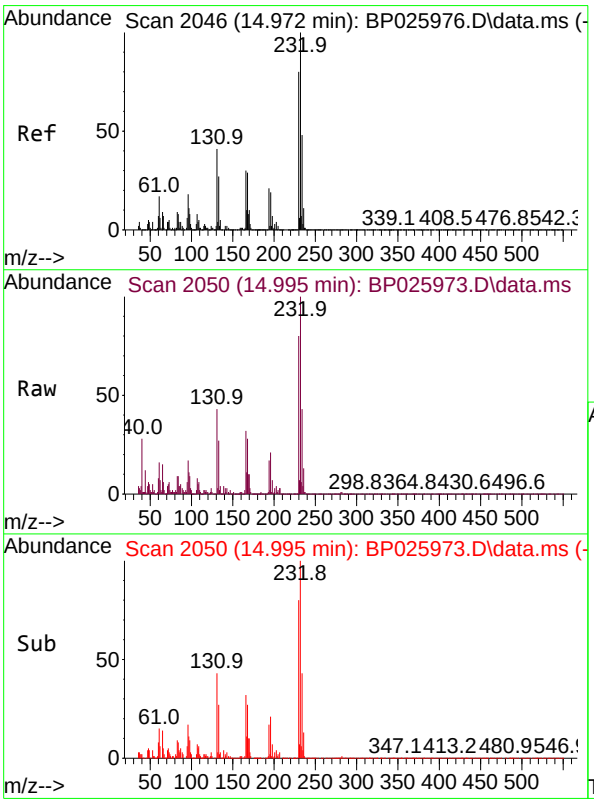
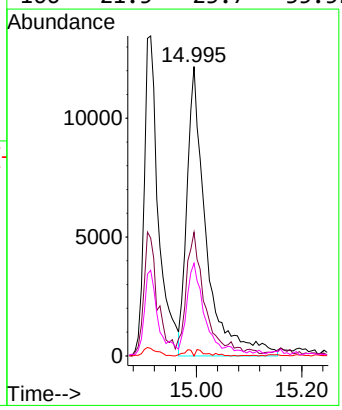
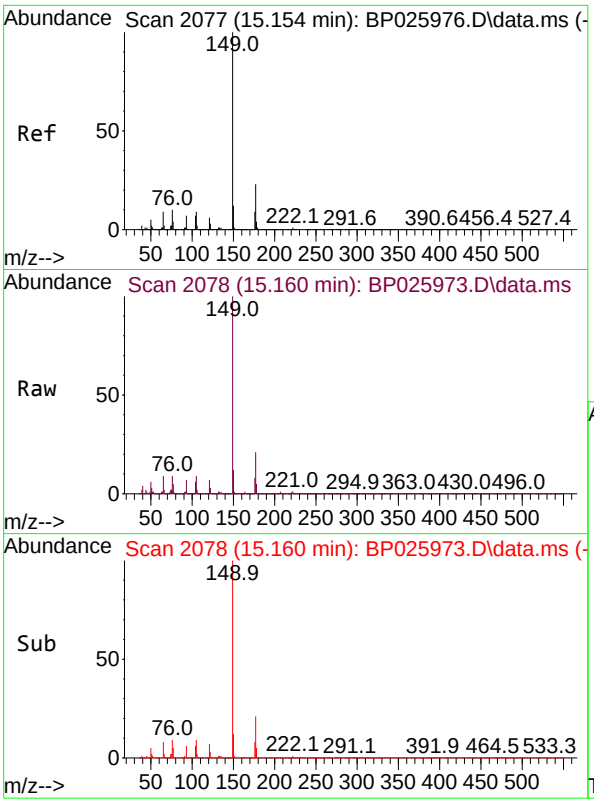


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.608 ng m
RT: 14.995 min Scan# 2050
Delta R.T. 0.023 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:232 Resp: 30745

Ion	Ratio	Lower	Upper
232	100		
131	30.3	33.8	50.8#
130	2.1	1.8	2.8
166	21.5	23.7	35.5#

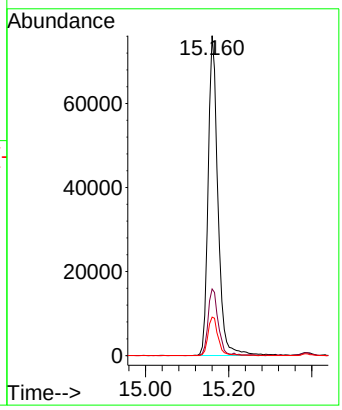




#60
Diethylphthalate
Concen: 5.040 ng
RT: 15.160 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:149 Resp: 124090

Ion	Ratio	Lower	Upper
149	100		
177	20.8	18.2	27.2
150	12.0	9.8	14.6



Instrument :
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ClientSampleId :
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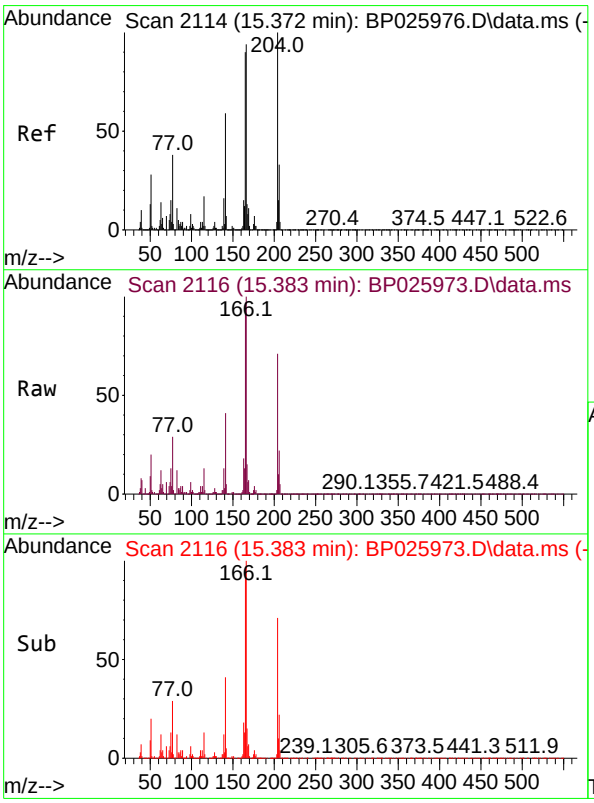
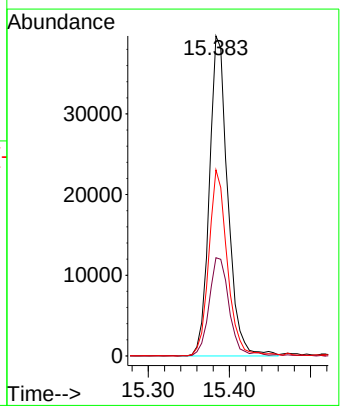
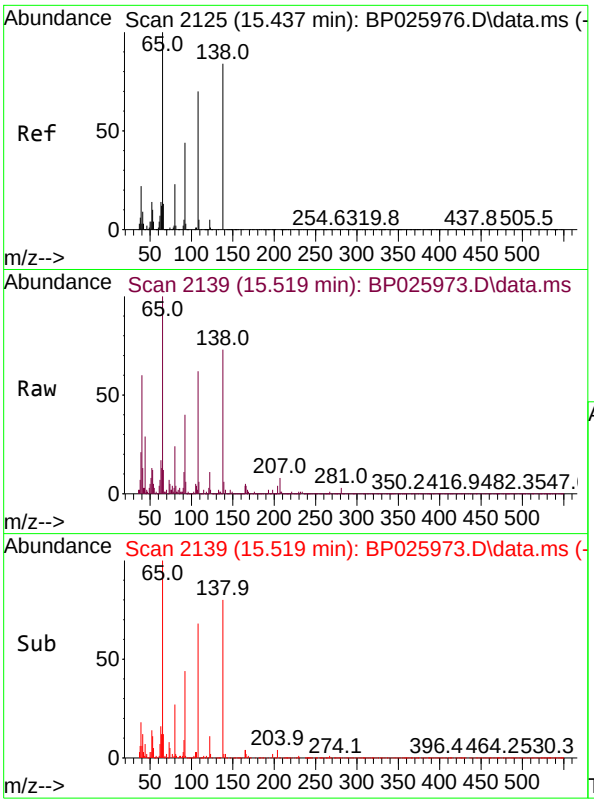


#61
4-Chlorophenyl-phenylether
Concen: 5.070 ng
RT: 15.383 min Scan# 2116
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:204 Resp: 62487

Ion	Ratio	Lower	Upper
204	100		
206	30.7	26.5	39.7
141	58.1	47.2	70.8

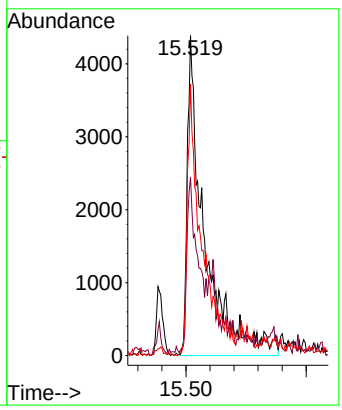




#62
4-Nitroaniline
Concen: 4.455 ng m
RT: 15.519 min Scan# 21
Delta R.T. 0.082 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:138 Resp: 2178

Ion	Ratio	Lower	Upper
138	100		
92	55.7	32.5	72.5
108	84.9	62.7	102.7



Instrument :
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ClientSampleId :
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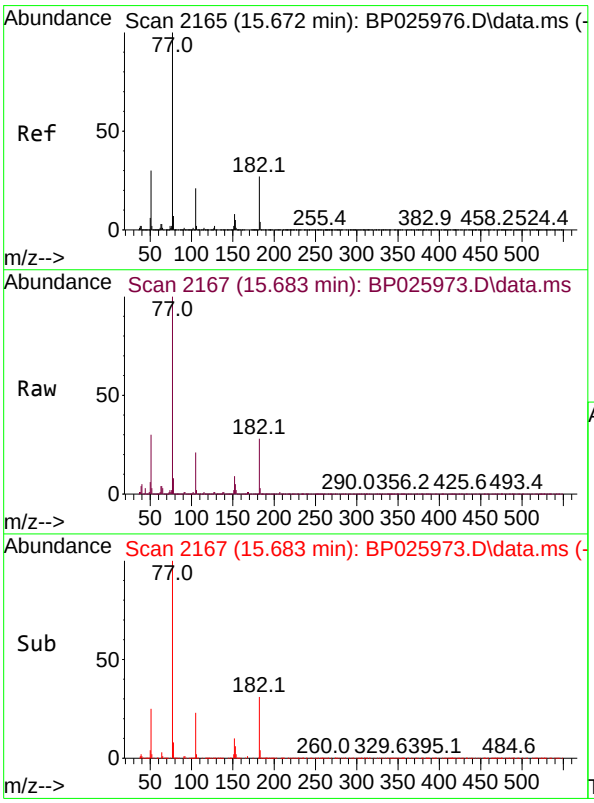
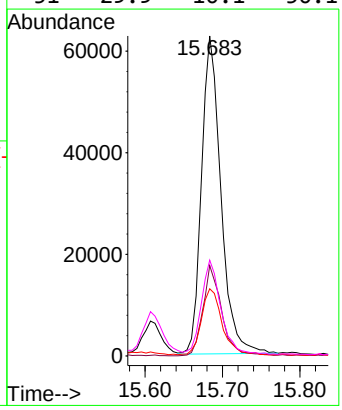
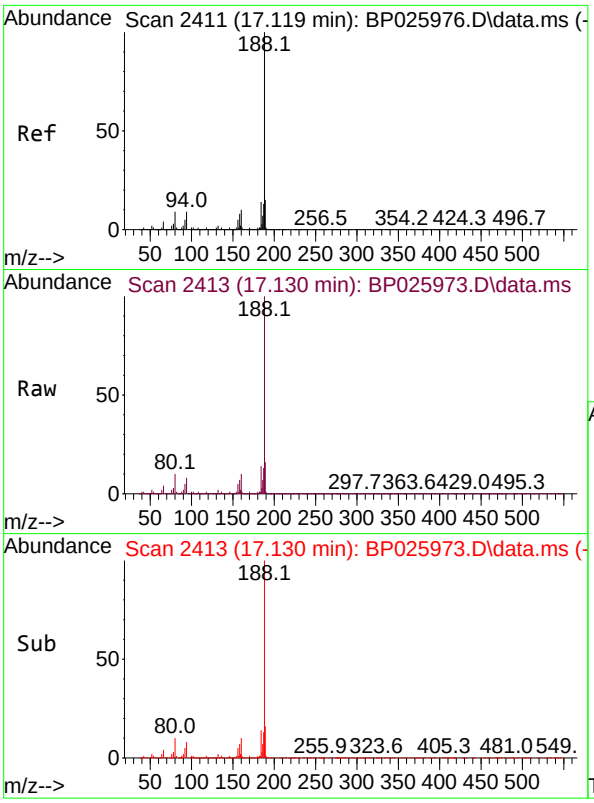


#63
Azobenzene
Concen: 4.749 ng
RT: 15.683 min Scan# 2167
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion: 77 Resp: 108966

Ion	Ratio	Lower	Upper
77	100		
182	28.2	6.6	46.6
105	21.0	1.3	41.3
51	29.9	10.1	50.1

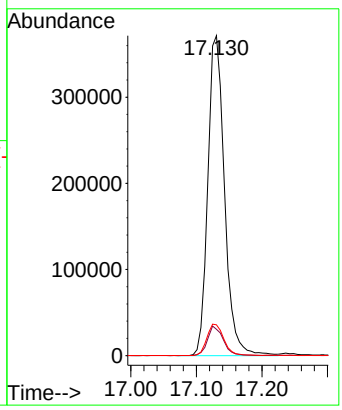




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.130 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:188 Resp: 65738

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.8	10.2
80	9.6	7.2	10.8



Instrument :
BNA_P
ClientSampleId :
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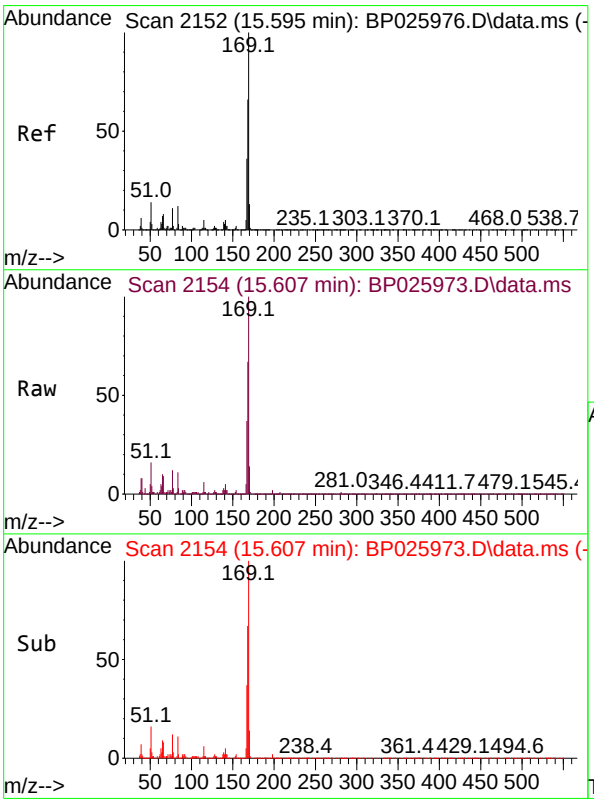
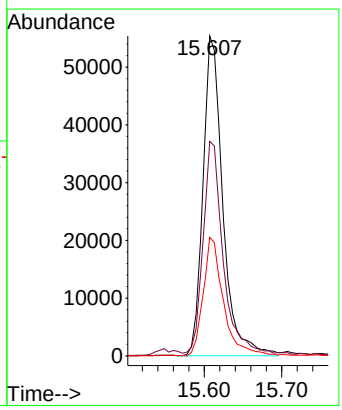
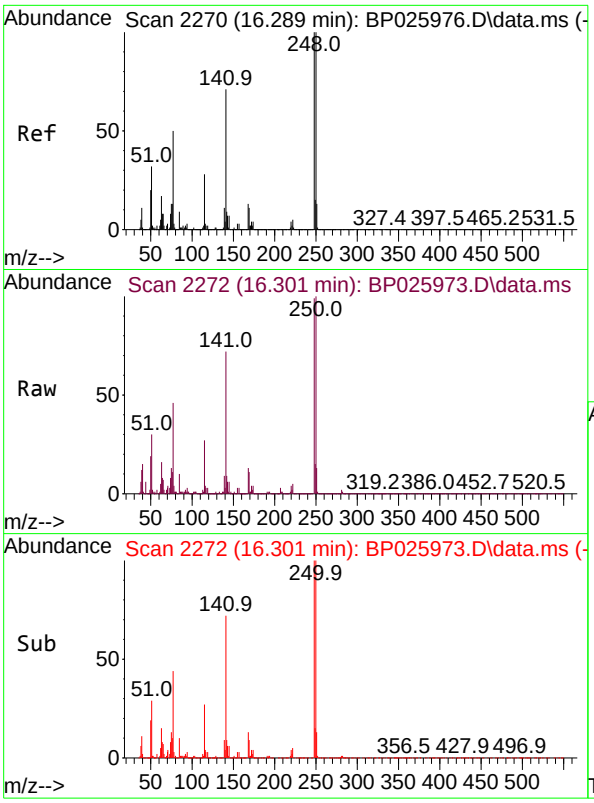


#66
n-Nitrosodiphenylamine
Concen: 4.648 ng
RT: 15.607 min Scan# 2154
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:169 Resp: 98306

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.2	79.8
167	37.0	28.6	42.8

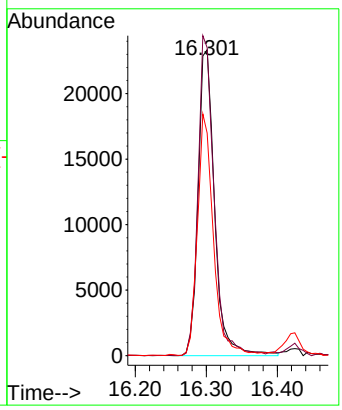




#67
4-Bromophenyl-phenylether
Concen: 4.623 ng
RT: 16.301 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:248 Resp: 3750

Ion	Ratio	Lower	Upper
248	100		
250	100.7	79.8	119.6
141	72.7	57.0	85.4



Instrument :
BNA_P
ClientSampleId :
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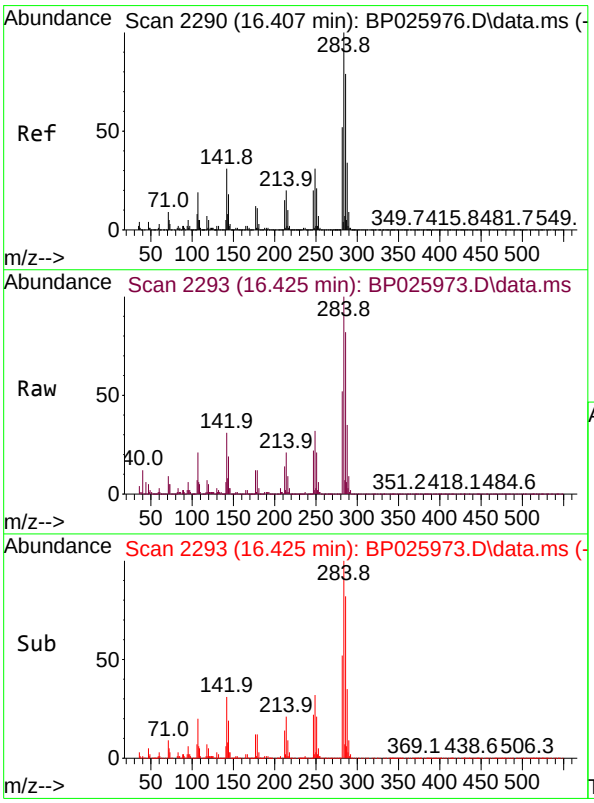
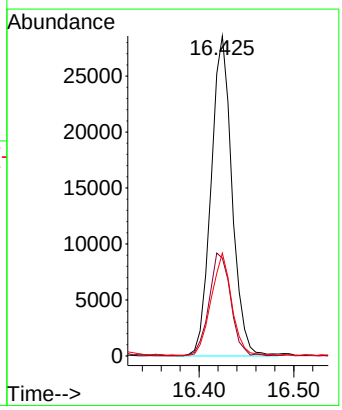
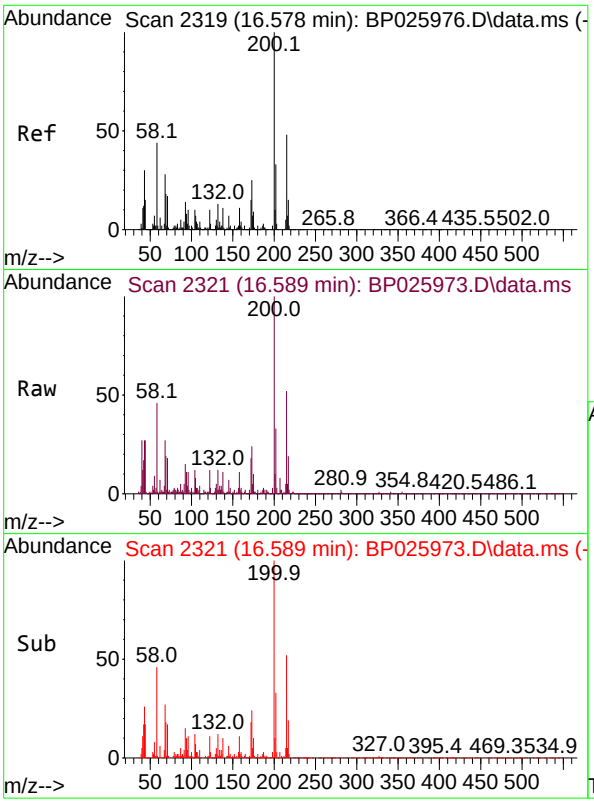


#68
Hexachlorobenzene
Concen: 4.815 ng
RT: 16.425 min Scan# 2293
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:284 Resp: 43825

Ion	Ratio	Lower	Upper
284	100		
142	30.6	24.9	37.3
249	32.1	25.1	37.7

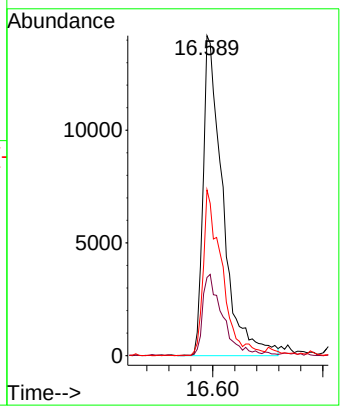




#69
Atrazine
Concen: 4.607 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:200 Resp: 3515

Ion	Ratio	Lower	Upper
200	100		
173	24.4	5.3	45.3
215	51.8	28.2	68.2



Instrument :
BNA_P
ClientSampleId :
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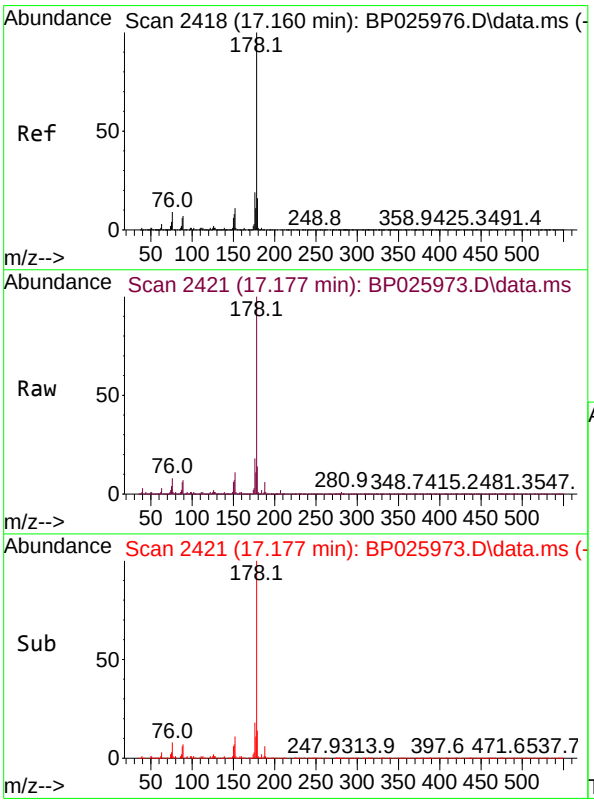
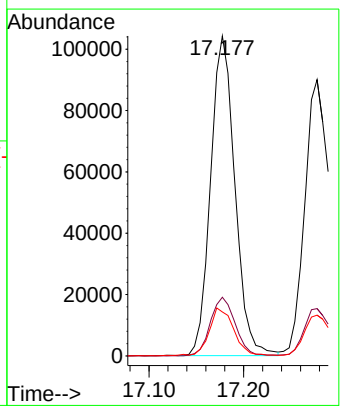
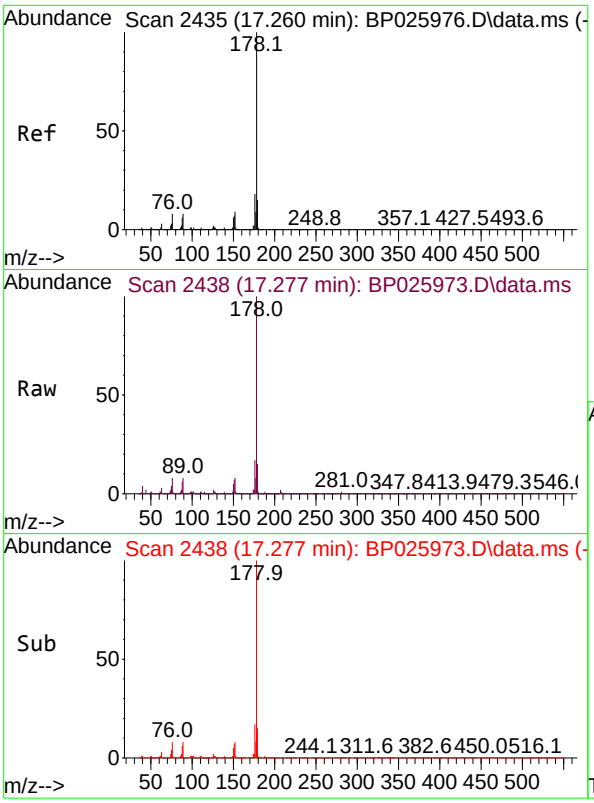


#71
Phenanthrene
Concen: 4.995 ng
RT: 17.177 min Scan# 2421
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:178 Resp: 186119

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.2	22.8
179	13.7	12.7	19.1

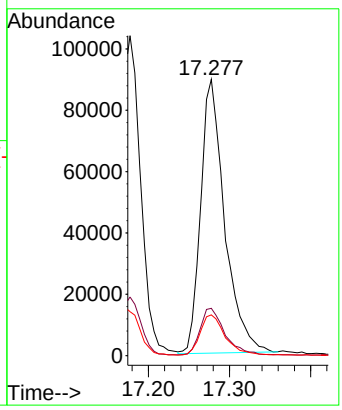




#72
Anthracene
Concen: 4.811 ng
RT: 17.277 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:178 Resp: 18310

Ion	Ratio	Lower	Upper
178	100		
176	17.1	14.8	22.2
179	14.8	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
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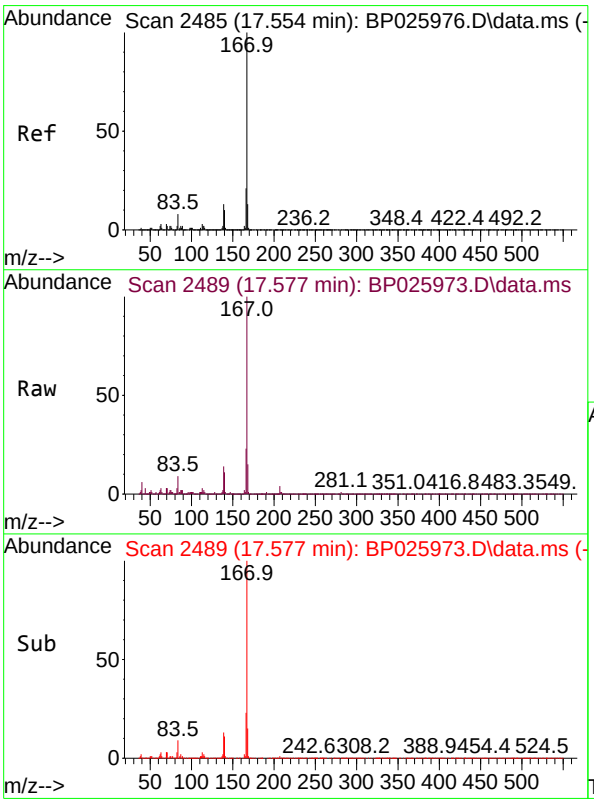
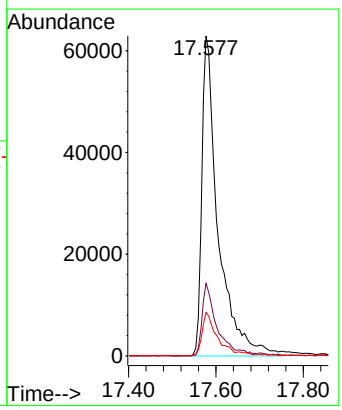
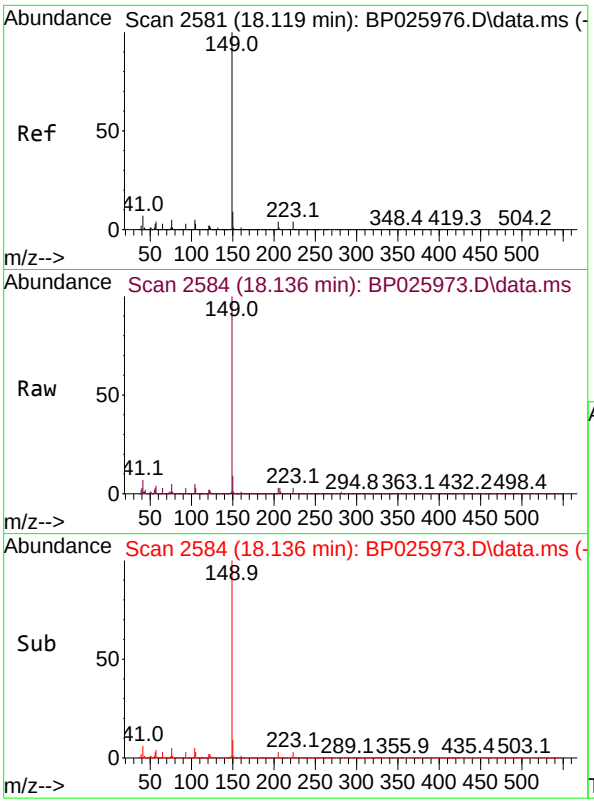


#73
Carbazole
Concen: 4.812 ng
RT: 17.577 min Scan# 2489
Delta R.T. 0.023 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:167 Resp: 161433

Ion	Ratio	Lower	Upper
167	100		
166	22.6	16.7	25.1
139	13.6	10.2	15.2

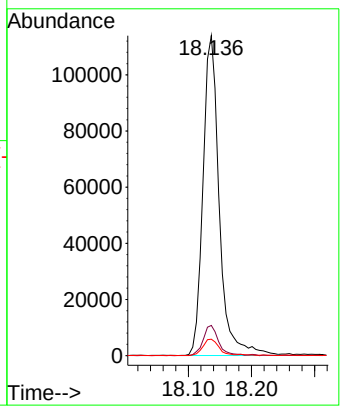




#74
Di-n-butylphthalate
Concen: 4.932 ng
RT: 18.136 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:149 Resp: 20364

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	5.1	4.1	6.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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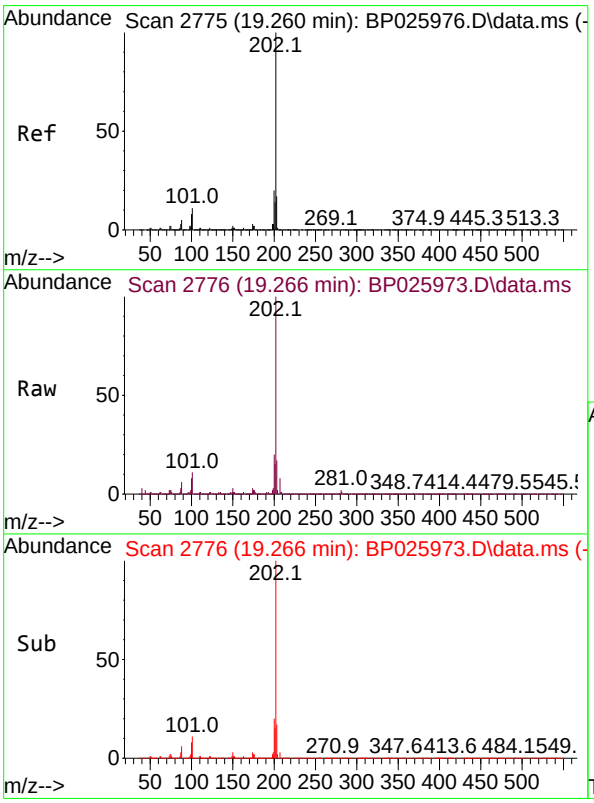
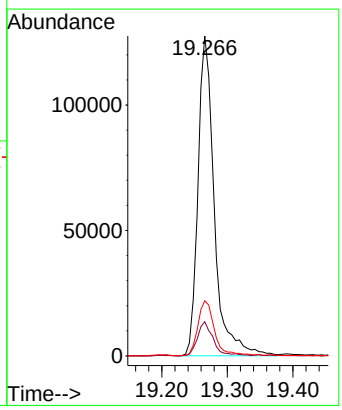
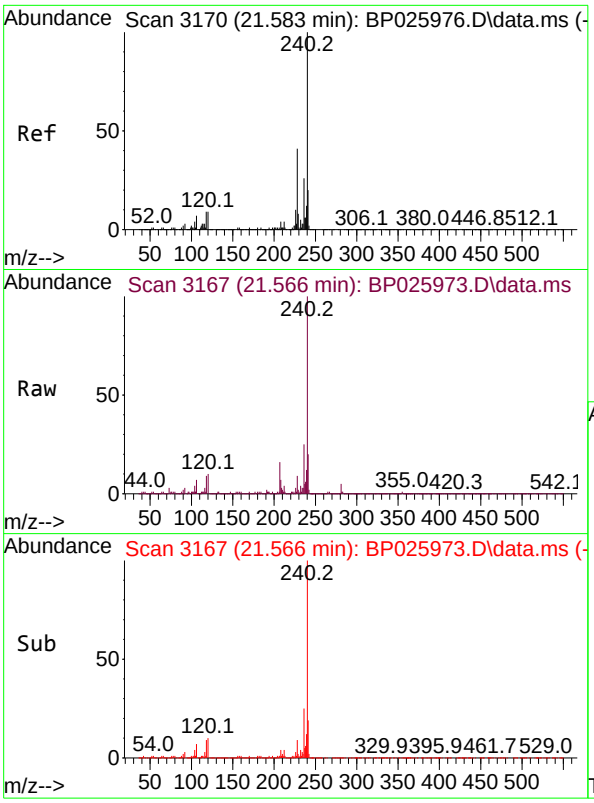


#75
Fluoranthene
Concen: 5.233 ng
RT: 19.266 min Scan# 2776
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:202 Resp: 219924

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.5
203	17.3	0.0	37.1

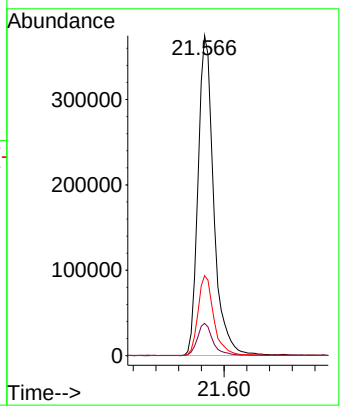




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:240 Resp: 71806

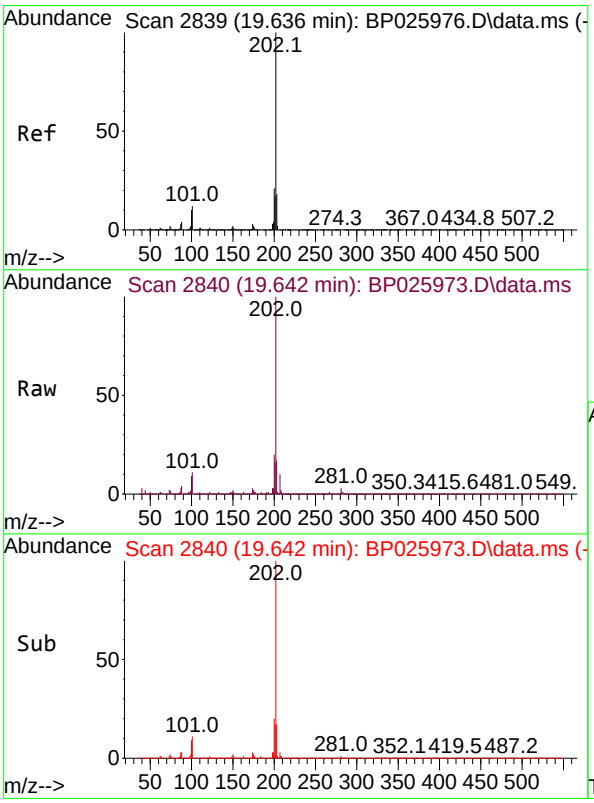
Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.4	11.0
236	25.0	20.4	30.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

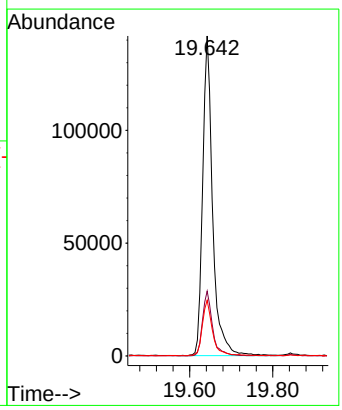
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

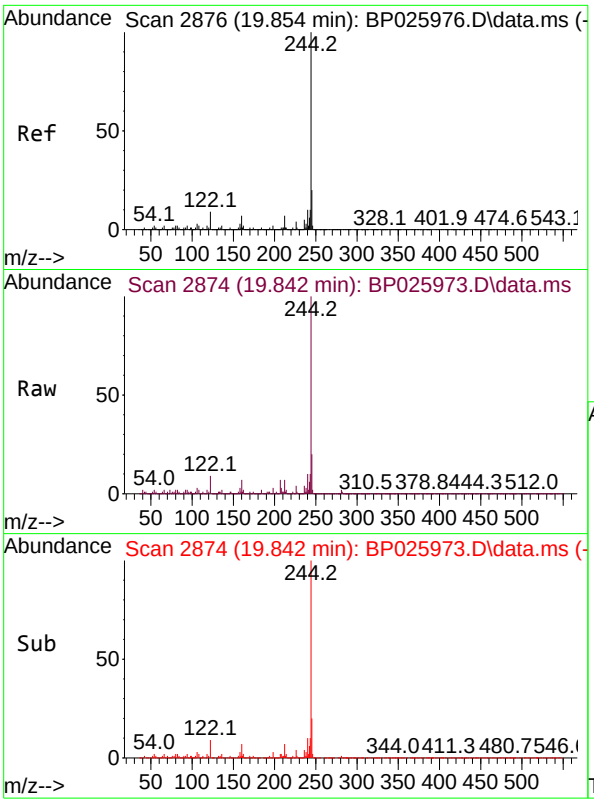


#78
Pyrene
Concen: 4.474 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:202 Resp: 236951

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.6	25.0
203	17.4	14.1	21.1

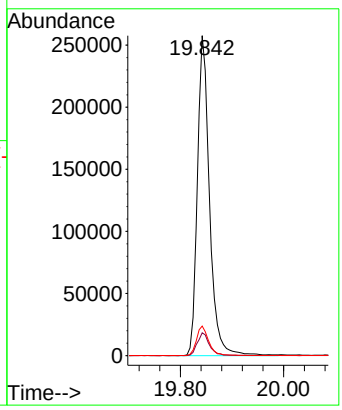




#79
Terphenyl-d14
Concen: 9.333 ng
RT: 19.842 min Scan# 28
Delta R.T. -0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:244 Resp: 41933

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	9.2	7.1	10.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
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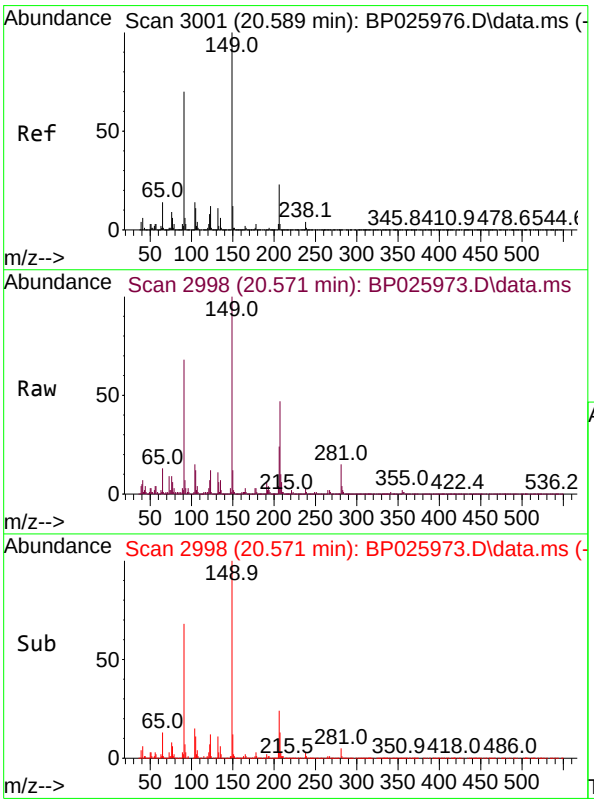
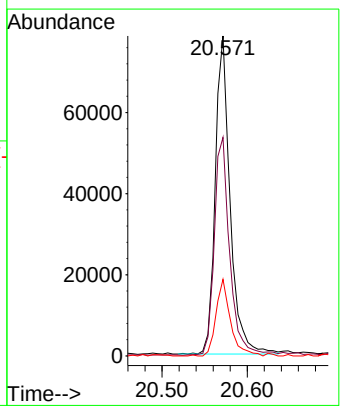
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

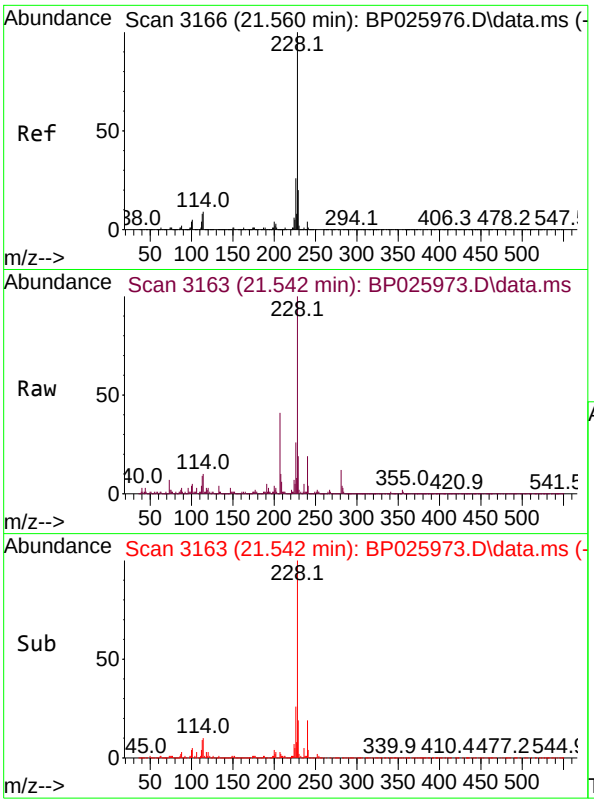


#80
Butylbenzylphthalate
Concen: 4.501 ng
RT: 20.571 min Scan# 2998
Delta R.T. -0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:149 Resp: 94854

Ion	Ratio	Lower	Upper
149	100		
91	68.3	56.0	84.0
206	23.9	18.6	27.8

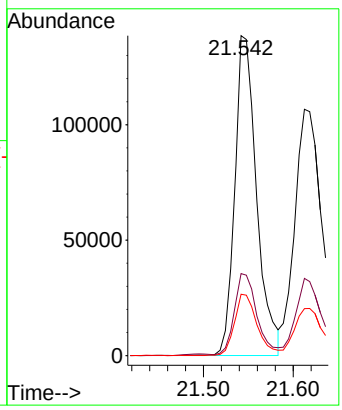




#81
Benzo(a)anthracene
Concen: 4.792 ng
RT: 21.542 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:228 Resp: 23535

Ion	Ratio	Lower	Upper
228	100		
226	25.6	21.0	31.6
229	19.2	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
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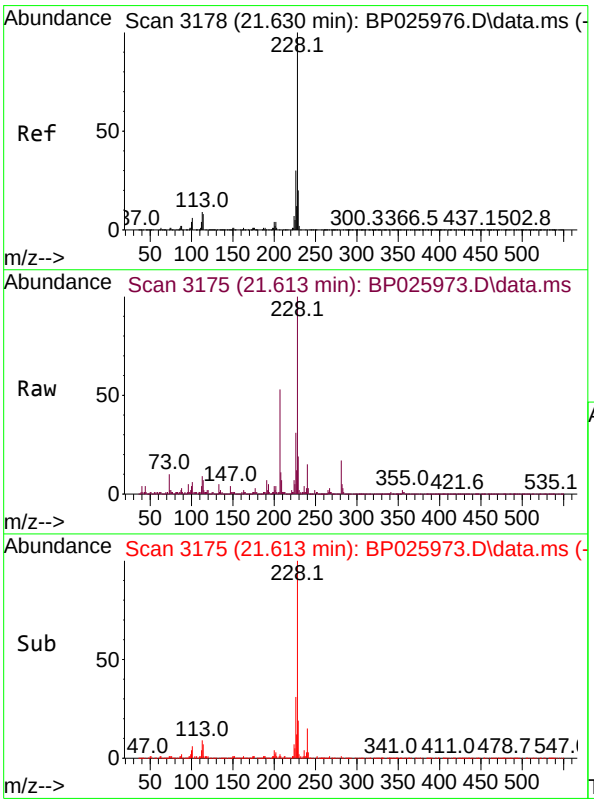
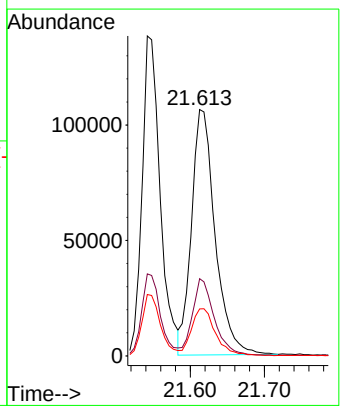
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

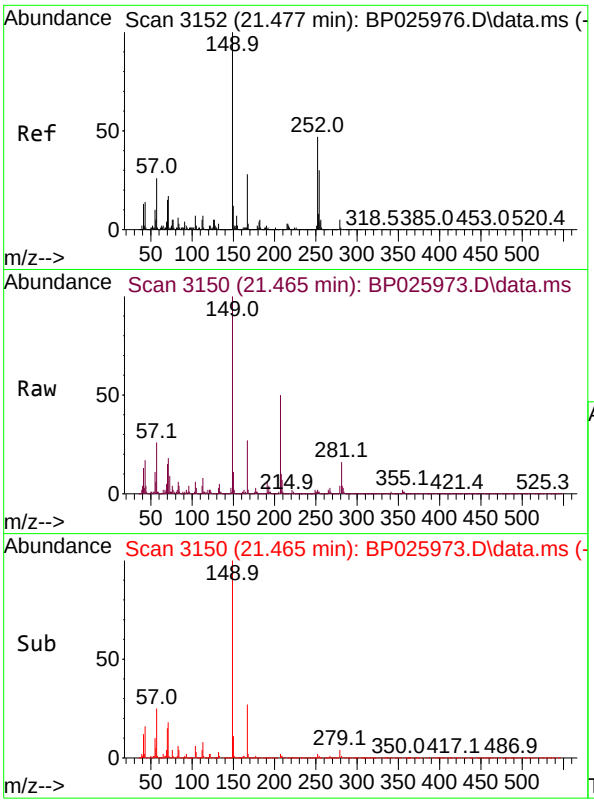


#83
Chrysene
Concen: 5.012 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:228 Resp: 235359

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.5	35.3
229	19.1	15.6	23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.092 ng
RT: 21.465 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:149 Resp: 14814

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.8	34.2
279	4.5	3.8	5.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
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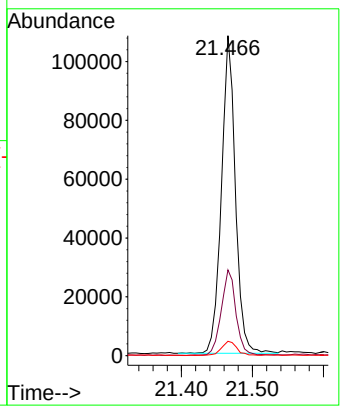
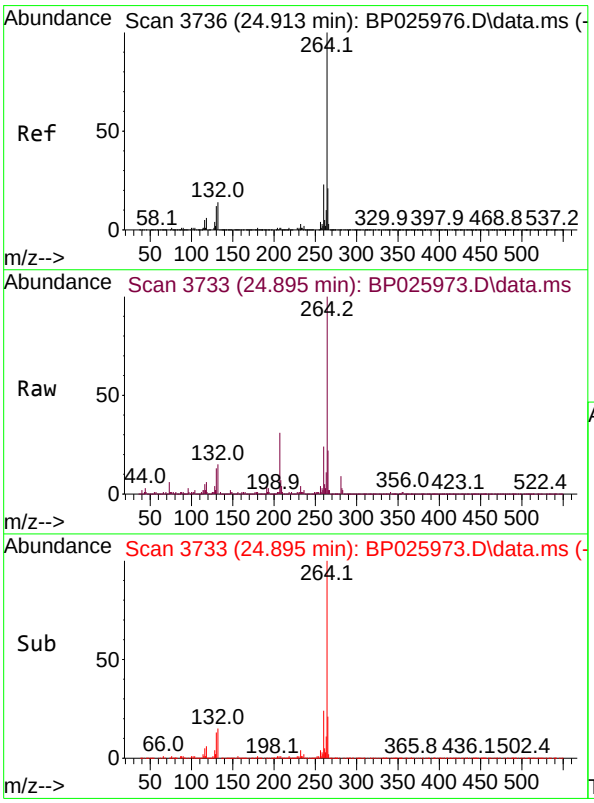
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

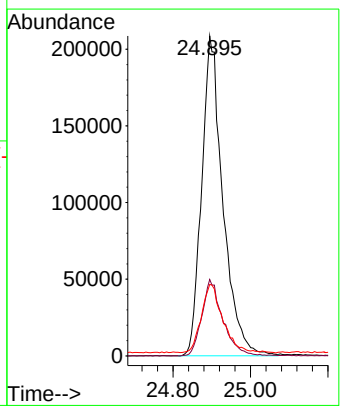


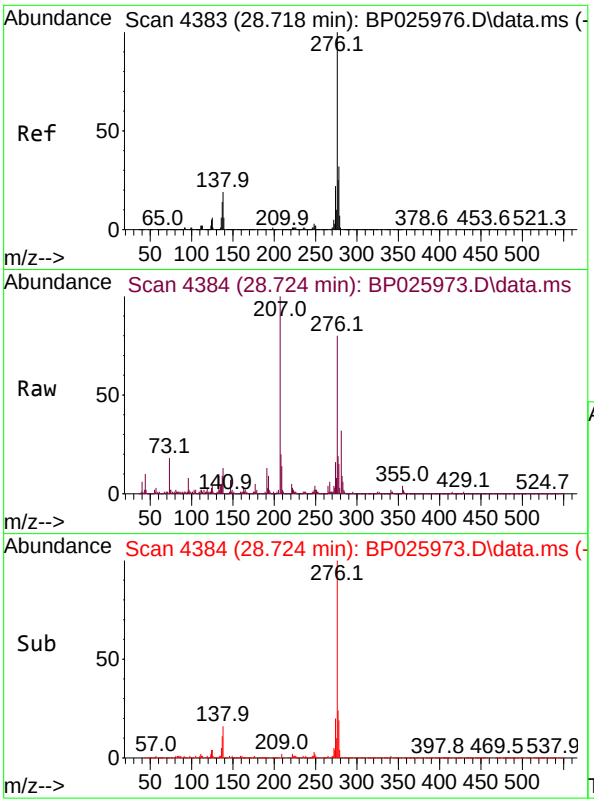


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.895 min Scan# 3733
Delta R.T. -0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:264 Resp: 793729

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.4	27.6
265	22.3	17.7	26.5

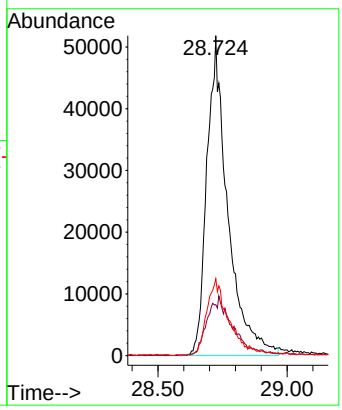




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.862 ng
RT: 28.724 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:276 Resp: 29068

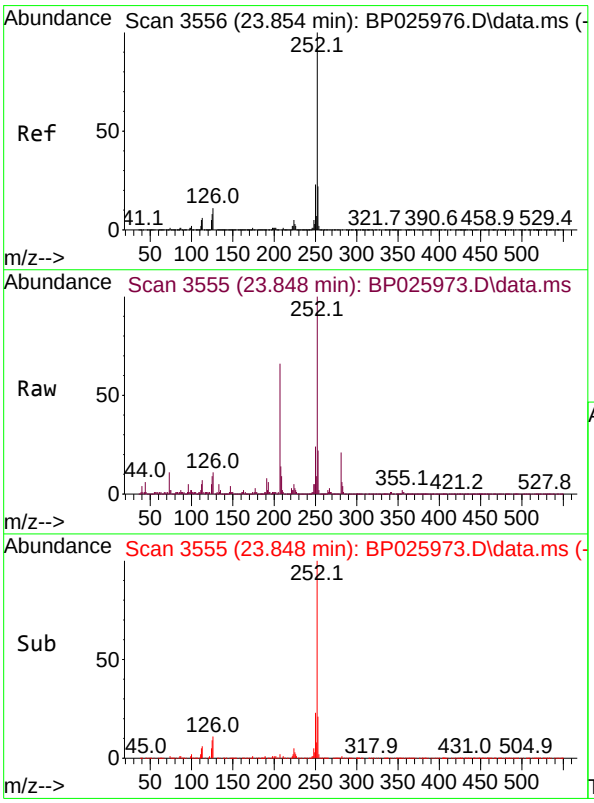
Ion	Ratio	Lower	Upper
276	100		
138	7.4	17.4	26.0
277	23.9	20.3	30.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

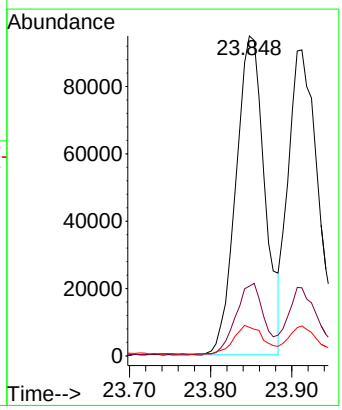
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

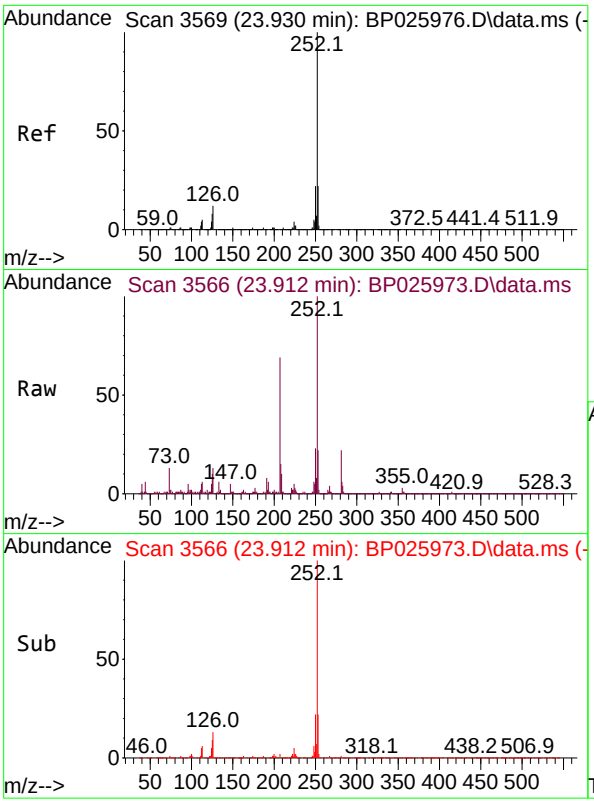


#88
Benzo(b)fluoranthene
Concen: 4.736 ng
RT: 23.848 min Scan# 3555
Delta R.T. -0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:252 Resp: 234116

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	8.9	6.8	10.2

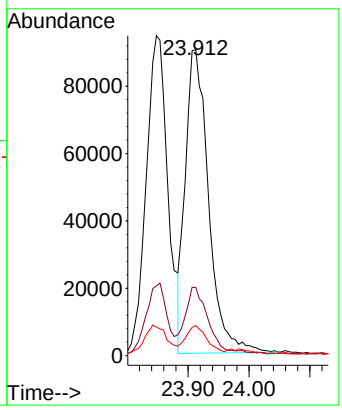




#89
Benzo(k)fluoranthene
Concen: 4.775 ng
RT: 23.912 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:252 Resp: 23954

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	9.8	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
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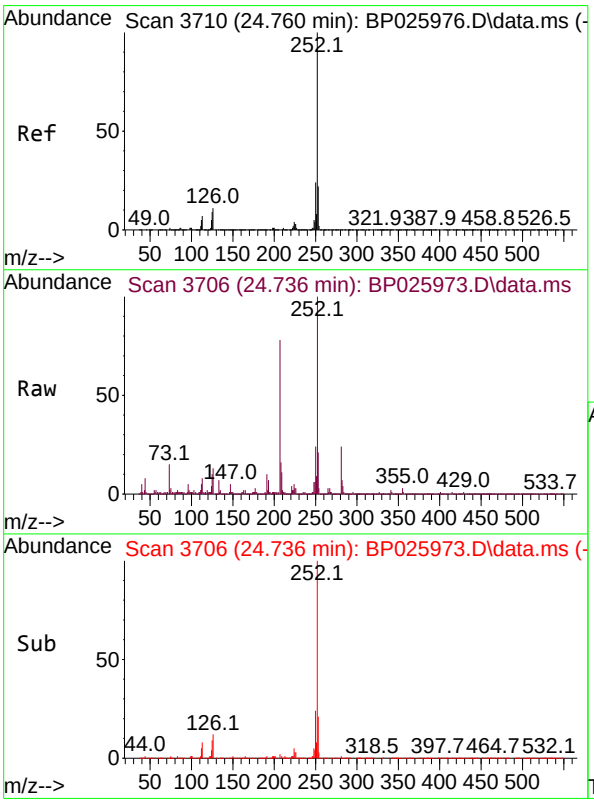
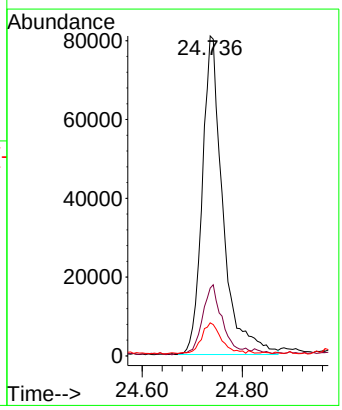
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

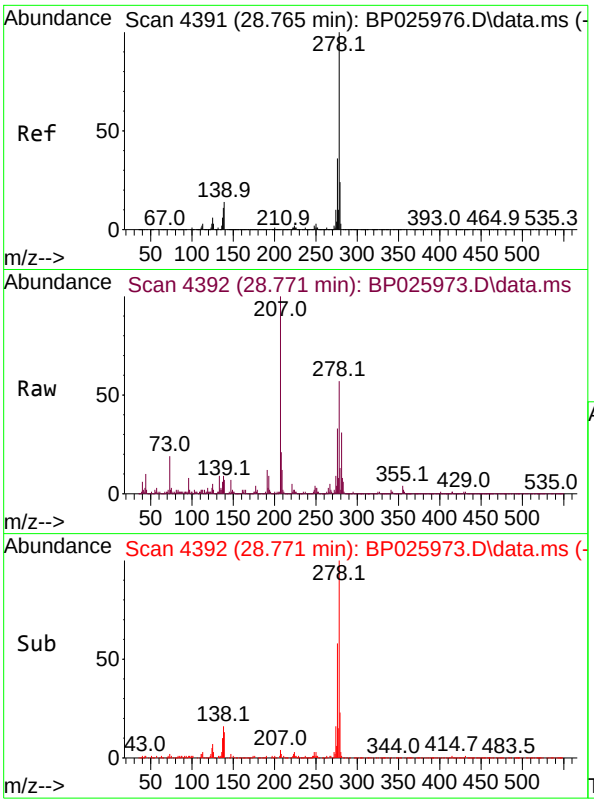


#90
Benzo(a)pyrene
Concen: 4.799 ng
RT: 24.736 min Scan# 3706
Delta R.T. -0.024 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:252 Resp: 230489

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.5	26.3
125	10.3	7.4	11.2

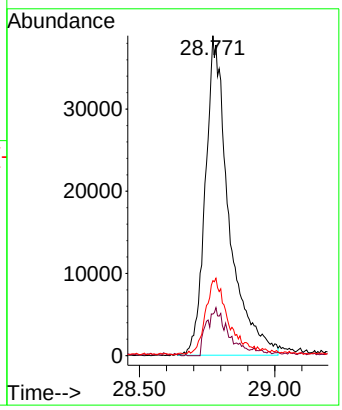




#91
Dibenzo(a,h)anthracene
Concen: 4.837 ng
RT: 28.771 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:278 Resp: 23574

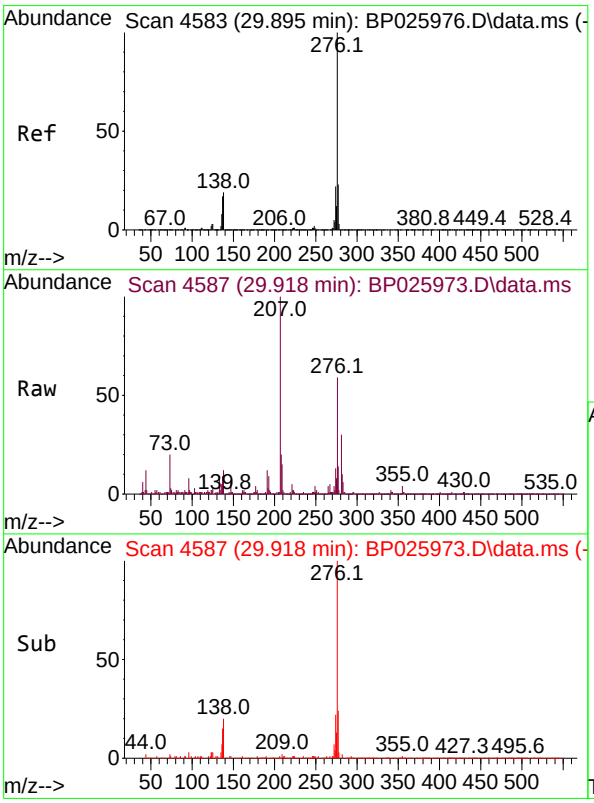
Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.9	16.3
279	23.4	19.5	29.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

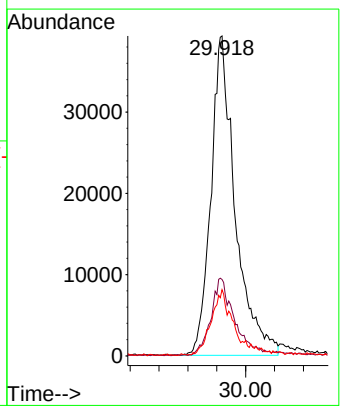
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#92
Benzo(g,h,i)perylene
Concen: 4.808 ng
RT: 29.918 min Scan# 4587
Delta R.T. 0.023 min
Lab File: BP025973.D
Acq: 15 Oct 2025 12:26

Tgt Ion:276 Resp: 229620

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	20.7	15.5	23.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025974.D
Acq On : 15 Oct 2025 13:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 15 23:07:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.695	152	151081	20.000	ng		0.00
21) Naphthalene-d8	10.466	136	646738	20.000	ng		0.00
39) Acenaphthene-d10	14.313	164	439327	20.000	ng		0.00
64) Phenanthrene-d10	17.130	188	769385	20.000	ng		0.01
76) Chrysene-d12	21.583	240	733944	20.000	ng		0.00
86) Perylene-d12	24.912	264	838528	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.349	112	167921	18.223	ng		0.01
7) Phenol-d6	6.919	99	226122	17.584	ng		0.01
23) Nitrobenzene-d5	8.848	82	264951	18.414	ng		0.00
42) 2,4,6-Tribromophenol	15.854	330	96851	16.376	ng		0.01
45) 2-Fluorobiphenyl	12.925	172	668865	19.514	ng		0.00
79) Terphenyl-d14	19.854	244	832744	18.133	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.249	88	35770	9.800	ng		99
3) Pyridine	3.660	79	92266	9.058	ng		99
4) n-Nitrosodimethylamine	3.572	42	38473	8.619	ng	#	99
6) Aniline	7.048	93	148643	8.634	ng		95
8) 2-Chlorophenol	7.290	128	94359	8.836	ng		97
9) Benzaldehyde	6.872	77	83209	12.126	ng		98
10) Phenol	6.948	94	108347	8.345	ng		98
11) bis(2-Chloroethyl)ether	7.137	93	97964	9.253	ng		99
12) 1,3-Dichlorobenzene	7.595	146	108937	9.201	ng		98
13) 1,4-Dichlorobenzene	7.737	146	111425	9.237	ng		98
14) 1,2-Dichlorobenzene	8.048	146	107159	9.081	ng		98
15) Benzyl Alcohol	7.966	79	88451	8.081	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.219	45	151627	9.301	ng		96
17) 2-Methylphenol	8.172	107	82553	8.871	ng		94
18) Hexachloroethane	8.754	117	42933	9.327	ng		99
19) n-Nitroso-di-n-propyla...	8.495	70	86617	9.448	ng		98
20) 3+4-Methylphenols	8.513	107	106746	8.232	ng	#	39
22) Acetophenone	8.525	105	162708	9.254	ng	#	95
24) Nitrobenzene	8.895	77	115213	9.004	ng		96
25) Isophorone	9.413	82	236729	9.161	ng		99
26) 2-Nitrophenol	9.607	139	53151	8.577	ng		98
27) 2,4-Dimethylphenol	9.684	122	94510	9.000	ng		98
28) bis(2-Chloroethoxy)met...	9.889	93	140668	9.305	ng		98
29) 2,4-Dichlorophenol	10.195	162	92220	8.814	ng		97
30) 1,2,4-Trichlorobenzene	10.331	180	109239	9.222	ng		100
31) Naphthalene	10.519	128	327558	9.389	ng		99
32) Benzoic acid	9.889	122	58337m	7.652	ng		
33) 4-Chloroaniline	10.660	127	130240	8.791	ng		98
34) Hexachlorobutadiene	10.789	225	73494	9.375	ng		99
35) Caprolactam	11.454	113	28357m	7.616	ng		
36) 4-Chloro-3-methylphenol	11.807	107	106663	8.683	ng		99
37) 2-Methylnaphthalene	12.125	142	211799	9.272	ng		98
38) 1-Methylnaphthalene	12.348	142	226183	9.388	ng		99
40) 1,2,4,5-Tetrachloroben...	12.501	216	133379	9.323	ng		99
41) Hexachlorocyclopentadiene	12.466	237	42131	10.042	ng		95
43) 2,4,6-Trichlorophenol	12.766	196	79688	8.776	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025974.D
Acq On : 15 Oct 2025 13:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Oct 15 23:07:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.872	196	83575	8.452	ng		96
46) 1,1'-Biphenyl	13.142	154	314437	9.475	ng		99
47) 2-Chloronaphthalene	13.183	162	245716	9.470	ng		98
48) 2-Nitroaniline	13.419	65	66640	8.240	ng		94
49) Acenaphthylene	14.042	152	387906	9.246	ng		99
50) Dimethylphthalate	13.778	163	291621	8.782	ng		99
51) 2,6-Dinitrotoluene	13.901	165	61043	8.514	ng		96
52) Acenaphthene	14.377	154	225263	9.298	ng		98
53) 3-Nitroaniline	14.266	138	58706m	8.320	ng		
54) 2,4-Dinitrophenol	14.530	184	20294	9.321	ng		93
55) Dibenzofuran	14.730	168	361367	9.315	ng		99
57) 2,4-Dinitrotoluene	14.725	165	79164	8.149	ng	#	86
58) Fluorene	15.383	166	285360	9.154	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.977	232	73771	8.315	ng		97
60) Diethylphthalate	15.160	149	278556	8.508	ng		99
61) 4-Chlorophenyl-phenyle...	15.377	204	150040	9.153	ng		98
62) 4-Nitroaniline	15.472	138	49384m	7.594	ng		
63) Azobenzene	15.672	77	270264	8.856	ng		98
65) 4,6-Dinitro-2-methylph...	15.524	198	37988	6.832	ng		94
66) n-Nitrosodiphenylamine	15.601	169	239783	9.687	ng		99
67) 4-Bromophenyl-phenylether	16.295	248	89293	9.403	ng		97
68) Hexachlorobenzene	16.413	284	99249	9.316	ng		96
69) Atrazine	16.589	200	75595	8.465	ng		97
70) Pentachlorophenol	16.807	266	42631m	7.553	ng		
71) Phenanthrene	17.171	178	416258	9.546	ng		99
72) Anthracene	17.271	178	421887	9.471	ng		99
73) Carbazole	17.571	167	353904	9.013	ng		99
74) Di-n-butylphthalate	18.130	149	427621	8.849	ng		99
75) Fluoranthene	19.271	202	453082	9.211	ng		99
77) Benzidine	19.489	184	208399	8.862	ng		98
78) Pyrene	19.648	202	473043	8.739	ng		99
80) Butylbenzylphthalate	20.583	149	190590	8.847	ng		97
81) Benzo(a)anthracene	21.559	228	461908	9.202	ng		100
82) 3,3'-Dichlorobenzidine	21.495	252	169816	9.506	ng		98
83) Chrysene	21.630	228	452375	9.425	ng		99
84) Bis(2-ethylhexyl)phtha...	21.477	149	288705	9.708	ng		99
85) Di-n-octyl phthalate	22.736	149	517359	10.188	ng		100
87) Indeno(1,2,3-cd)pyrene	28.712	276	590110	9.342	ng		99
88) Benzo(b)fluoranthene	23.859	252	455058	8.714	ng		99
89) Benzo(k)fluoranthene	23.924	252	503251	9.495	ng		98
90) Benzo(a)pyrene	24.753	252	467154	9.207	ng		99
91) Dibenzo(a,h)anthracene	28.765	278	474460	9.214	ng		98
92) Benzo(g,h,i)perylene	29.912	276	469932	9.315	ng		99

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025974.D
Acq On : 15 Oct 2025 13:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 15 23:07:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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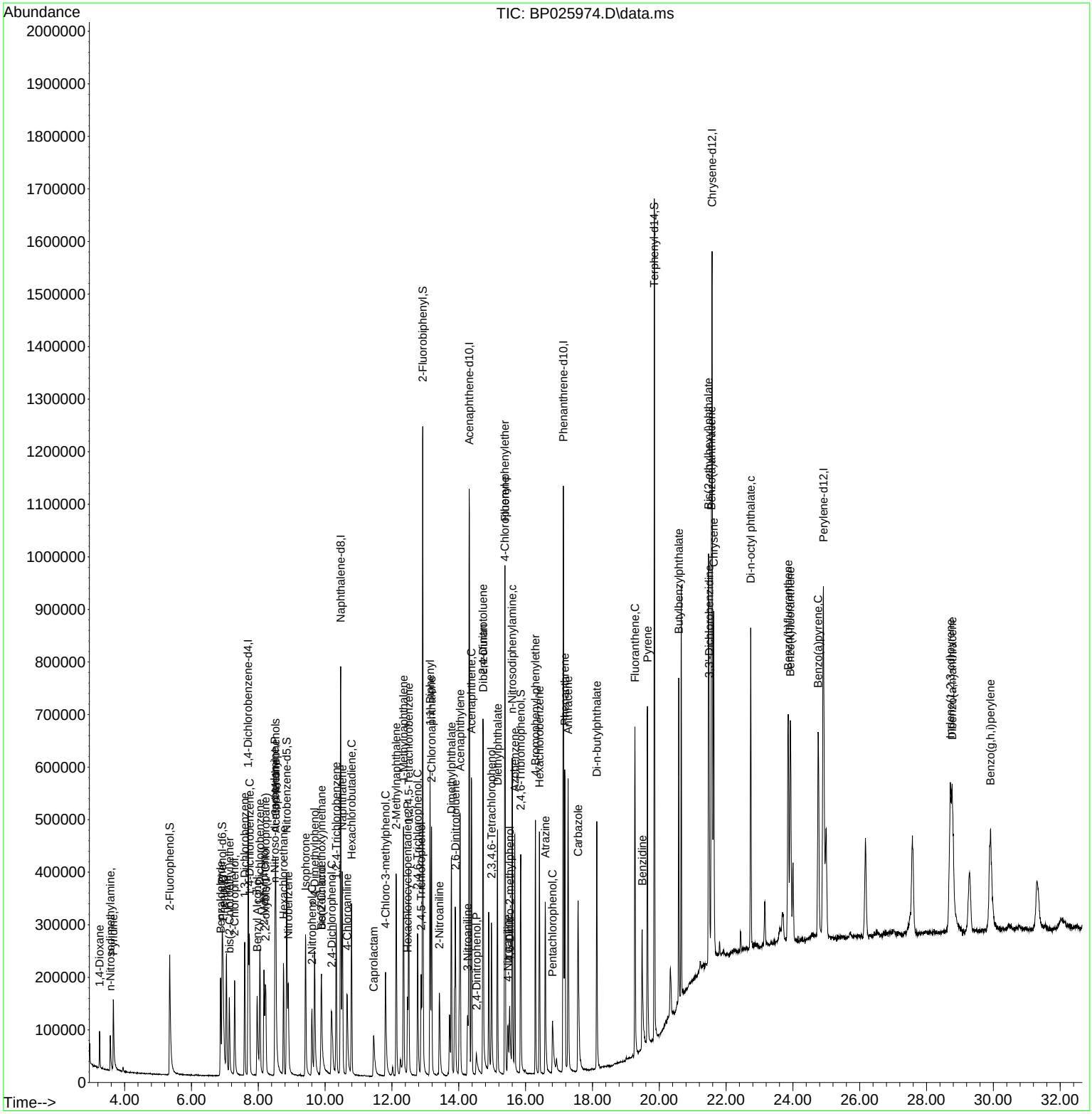
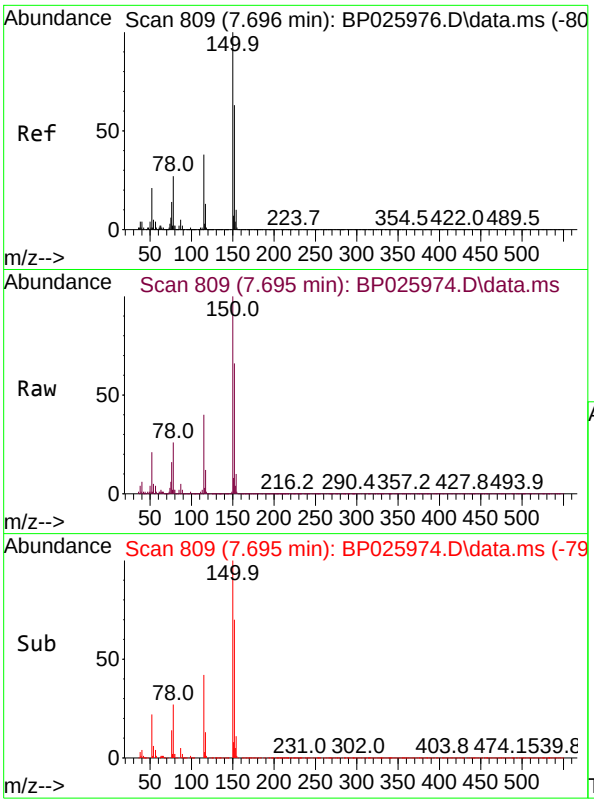
Supervised By :Jagrut Upadhyay 10/16/2025

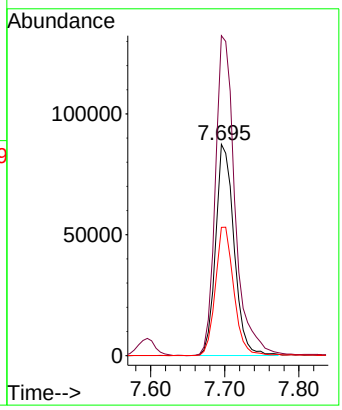




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.695 min Scan# 80
Delta R.T. -0.001 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:152 Resp: 15108

Ion	Ratio	Lower	Upper
152	100		
150	151.5	127.3	190.9
115	60.7	48.7	73.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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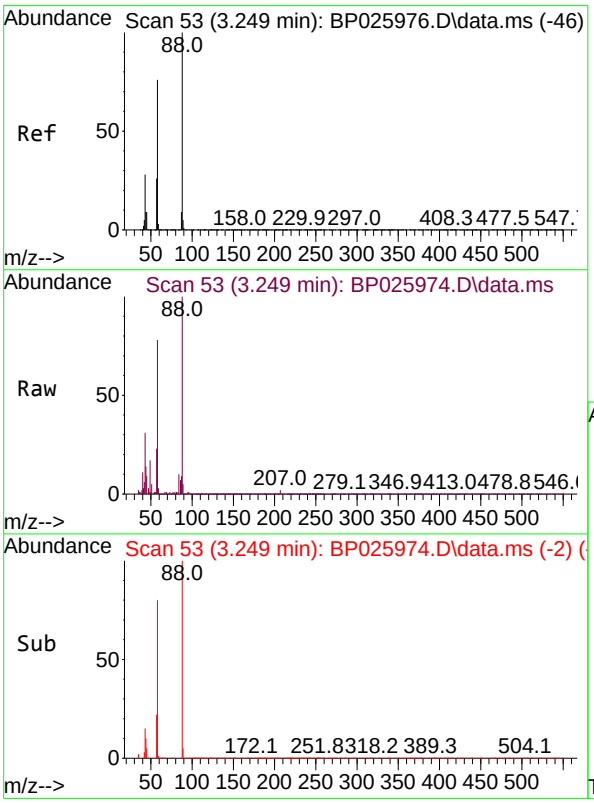
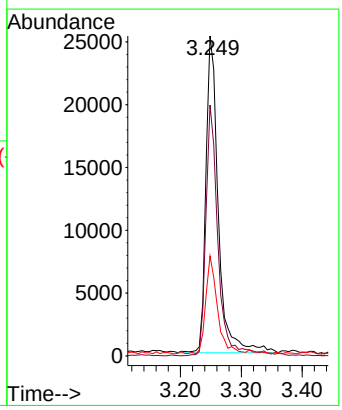
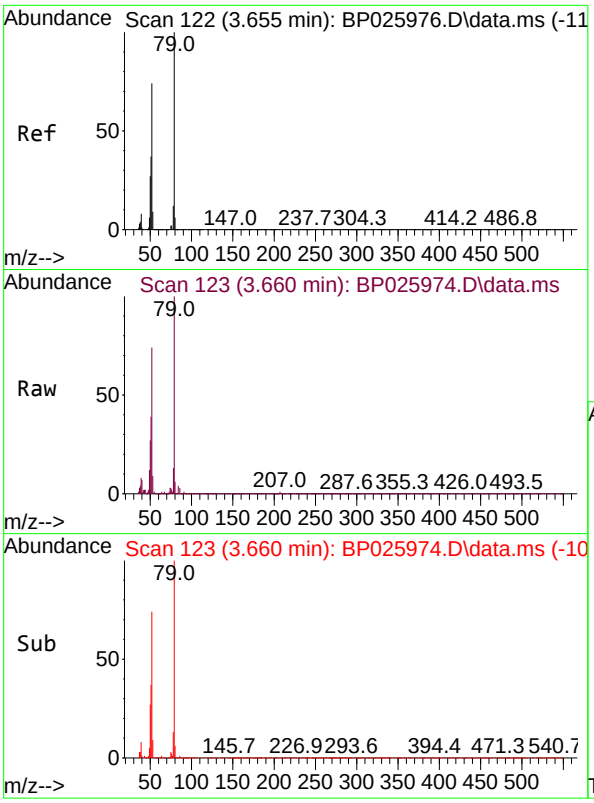


#2
1,4-Dioxane
Concen: 9.800 ng
RT: 3.249 min Scan# 53
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 88 Resp: 35770

Ion	Ratio	Lower	Upper
88	100		
58	76.2	61.9	92.9
43	28.8	22.6	33.8

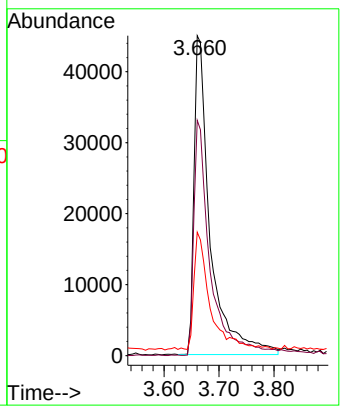




#3
Pyridine
Concen: 9.058 ng
RT: 3.660 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 79 Resp: 9226

Ion	Ratio	Lower	Upper
79	100		
52	73.5	59.0	88.4
51	38.6	29.5	44.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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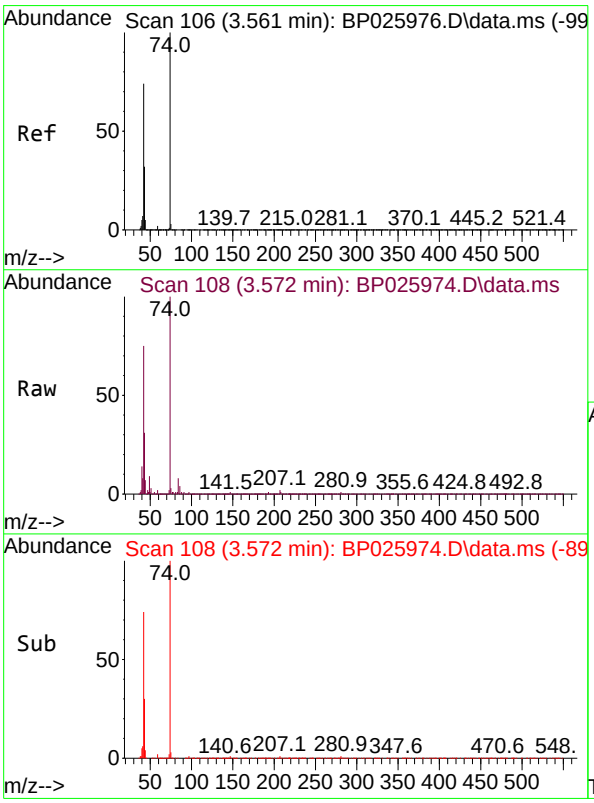
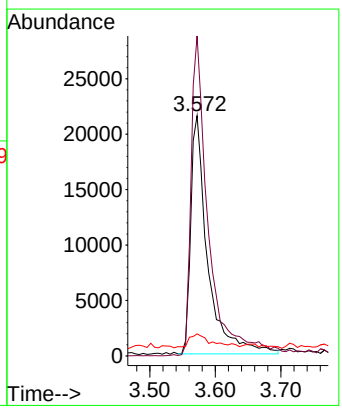
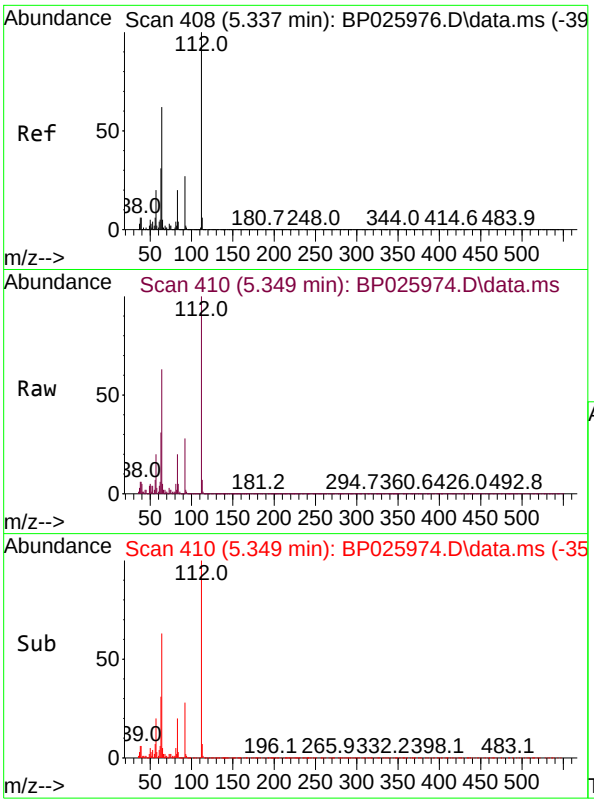


#4
n-Nitrosodimethylamine
Concen: 8.619 ng
RT: 3.572 min Scan# 108
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 42 Resp: 38473

Ion	Ratio	Lower	Upper
42	100		
74	133.2	107.4	161.0
44	9.2	6.0	9.0#





#5
2-Fluorophenol
Concen: 18.223 ng
RT: 5.349 min Scan# 41
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:112 Resp: 16792

Ion	Ratio	Lower	Upper
112	100		
64	62.8	49.9	74.9
63	30.8	24.9	37.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Rahul Chavli 10/16/2025
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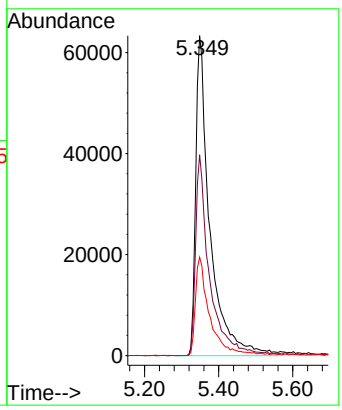
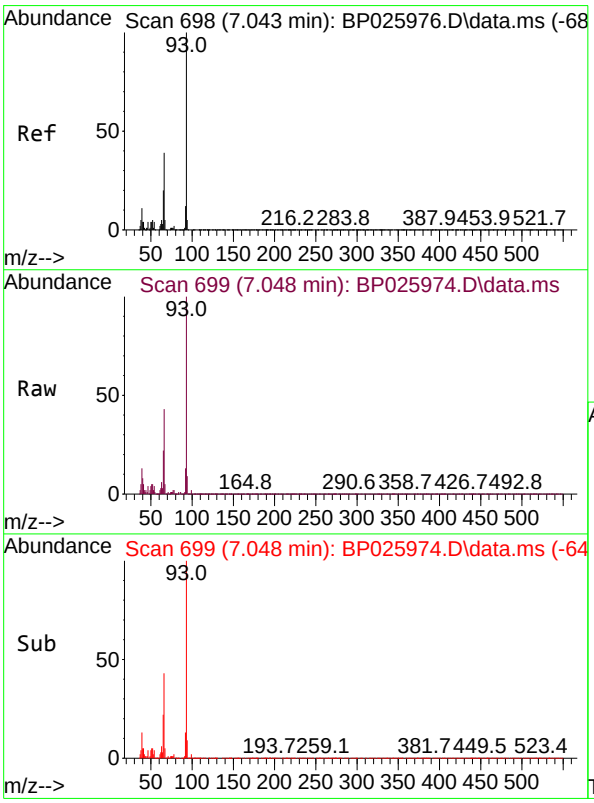
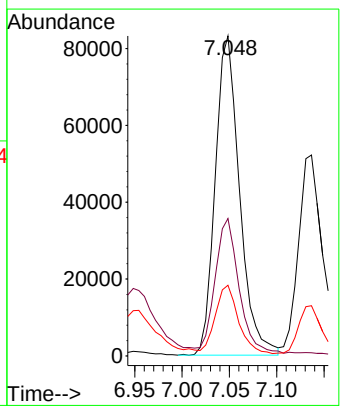


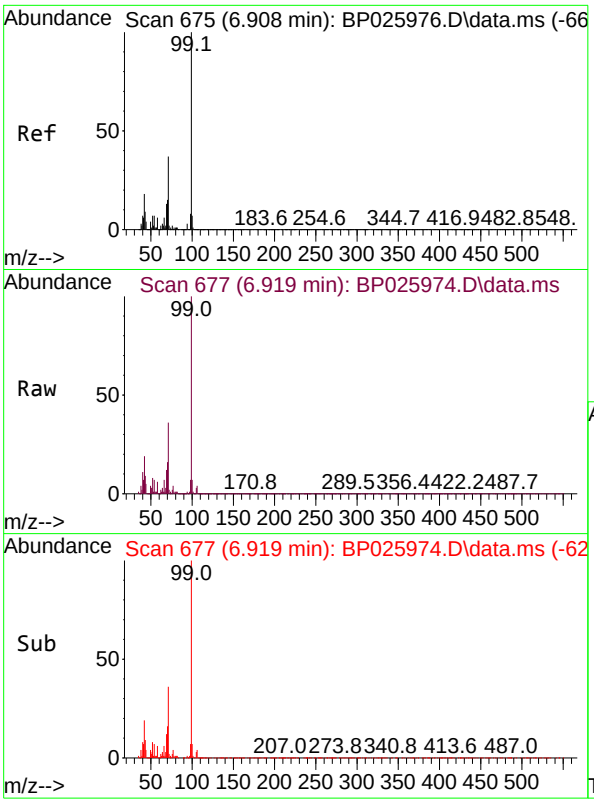


#6
Aniline
Concen: 8.634 ng
RT: 7.048 min Scan# 699
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 93 Resp: 148643

Ion	Ratio	Lower	Upper
93	100		
66	42.9	31.8	47.8
65	22.1	16.3	24.5

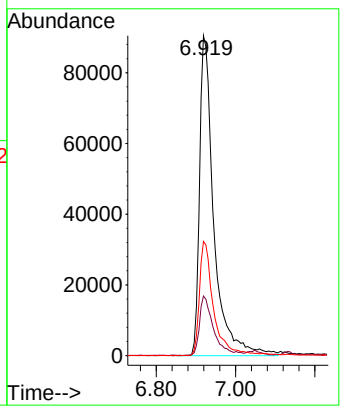




#7
Phenol-d6
Concen: 17.584 ng
RT: 6.919 min Scan# 6
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 99 Resp: 22612

Ion	Ratio	Lower	Upper
99	100		
42	18.6	14.2	21.4
71	35.7	29.4	44.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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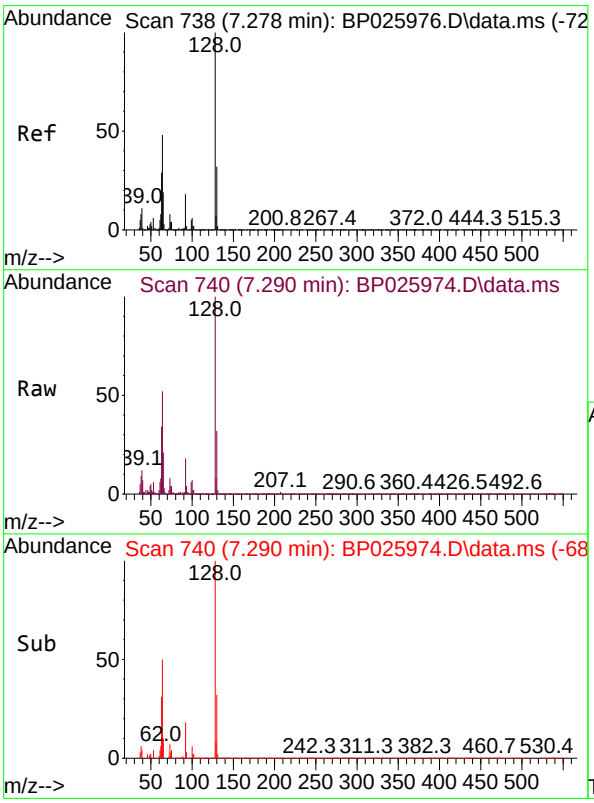
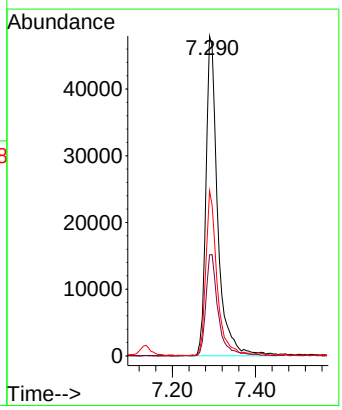
Supervised By :Jagrut Upadhyay 10/16/2025

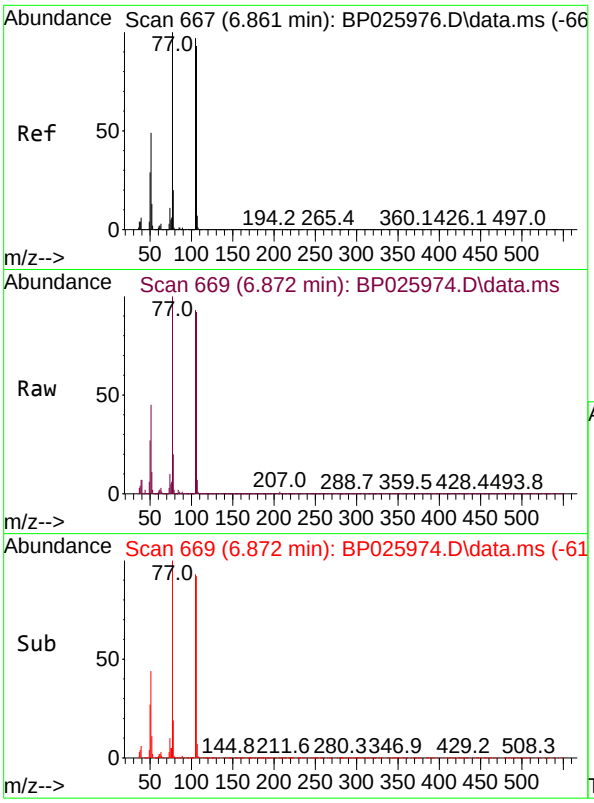


#8
2-Chlorophenol
Concen: 8.836 ng
RT: 7.290 min Scan# 740
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:128 Resp: 94359

Ion	Ratio	Lower	Upper
128	100		
130	31.6	11.8	51.8
64	51.6	28.0	68.0

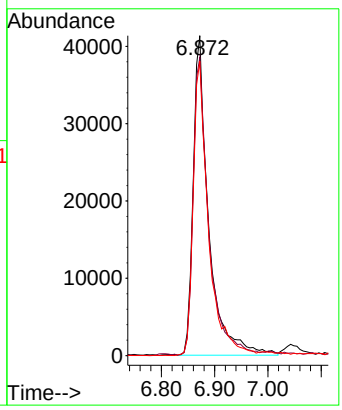




#9
Benzaldehyde
Concen: 12.126 ng
RT: 6.872 min Scan# 6
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 77 Resp: 8320

Ion	Ratio	Lower	Upper
77	100		
105	93.2	76.6	116.6
106	92.0	73.2	113.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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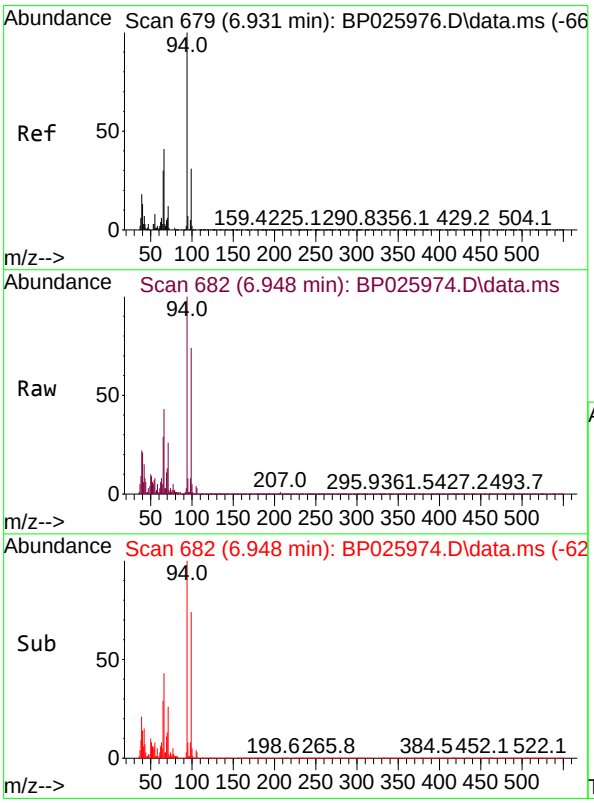
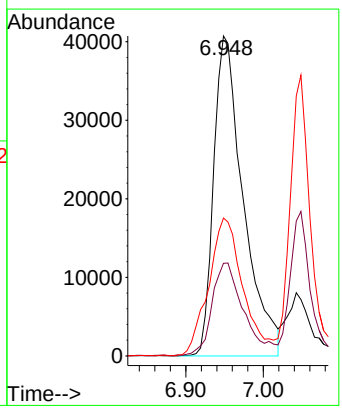
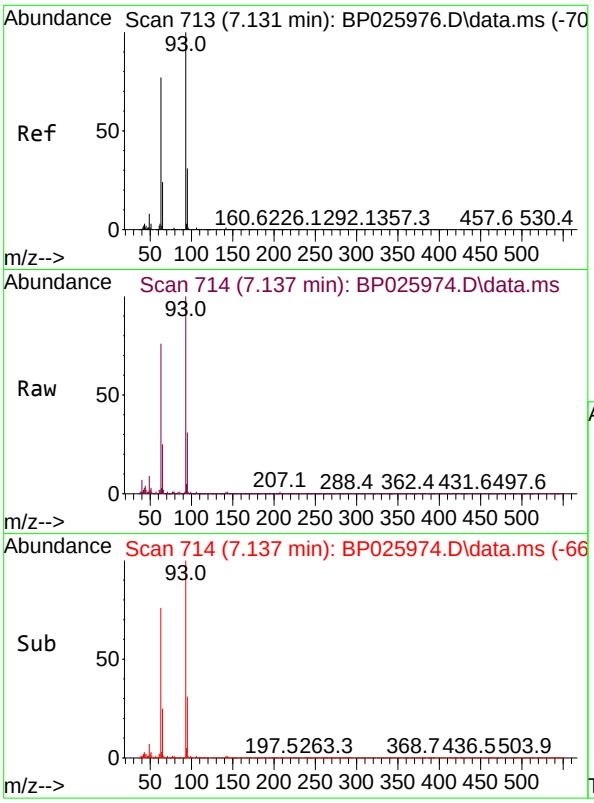


#10
Phenol
Concen: 8.345 ng
RT: 6.948 min Scan# 682
Delta R.T. 0.017 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 94 Resp: 108347

Ion	Ratio	Lower	Upper
94	100		
65	28.9	9.8	49.8
66	43.1	21.4	61.4

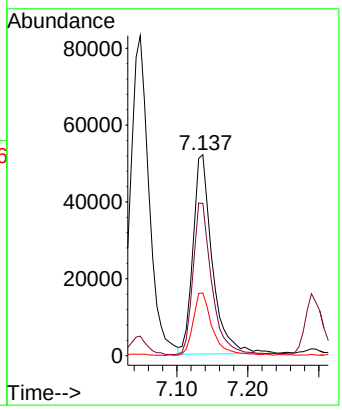




#11
bis(2-Chloroethyl)ether
Concen: 9.253 ng
RT: 7.137 min Scan# 71
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 93 Resp: 97964

Ion	Ratio	Lower	Upper
93	100		
63	75.7	56.6	96.6
95	31.2	11.3	51.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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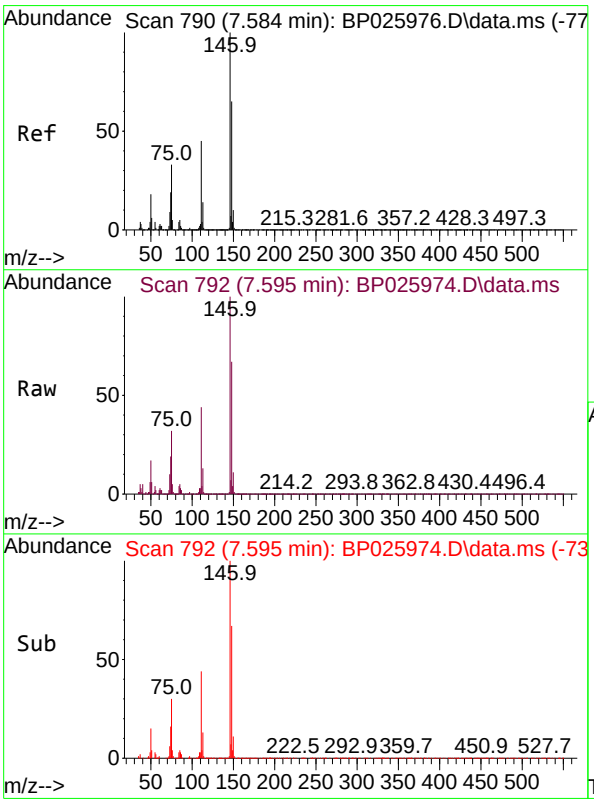
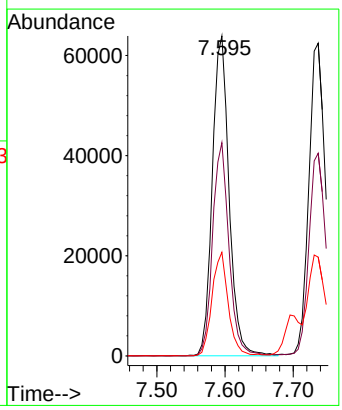
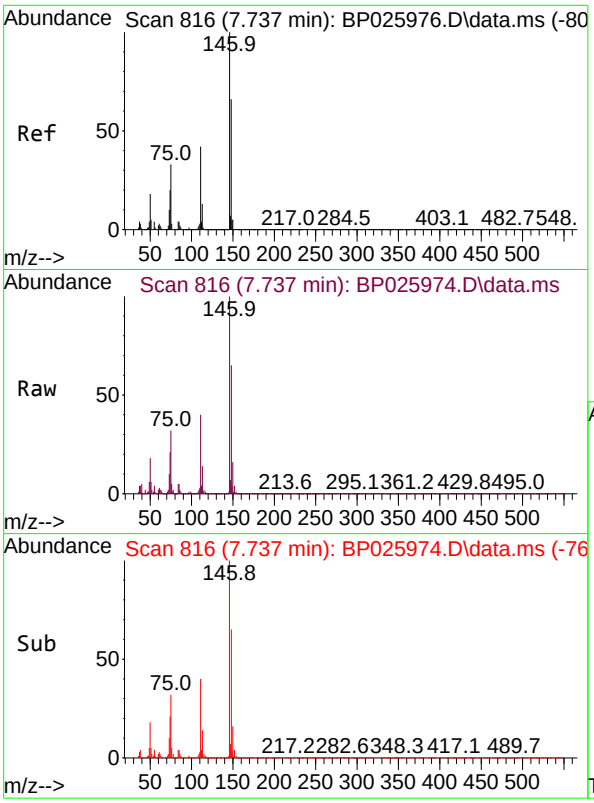


#12
1,3-Dichlorobenzene
Concen: 9.201 ng
RT: 7.595 min Scan# 792
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:146 Resp: 108937

Ion	Ratio	Lower	Upper
146	100		
148	66.6	51.7	77.5
75	32.4	26.1	39.1

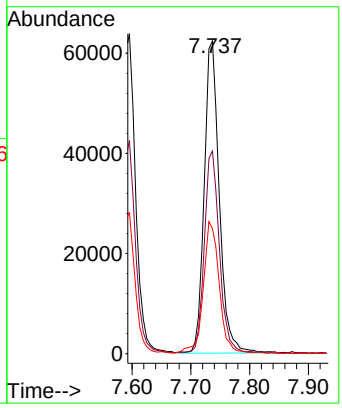




#13
1,4-Dichlorobenzene
Concen: 9.237 ng
RT: 7.737 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:146 Resp: 11142

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.7	79.1
111	40.0	34.0	51.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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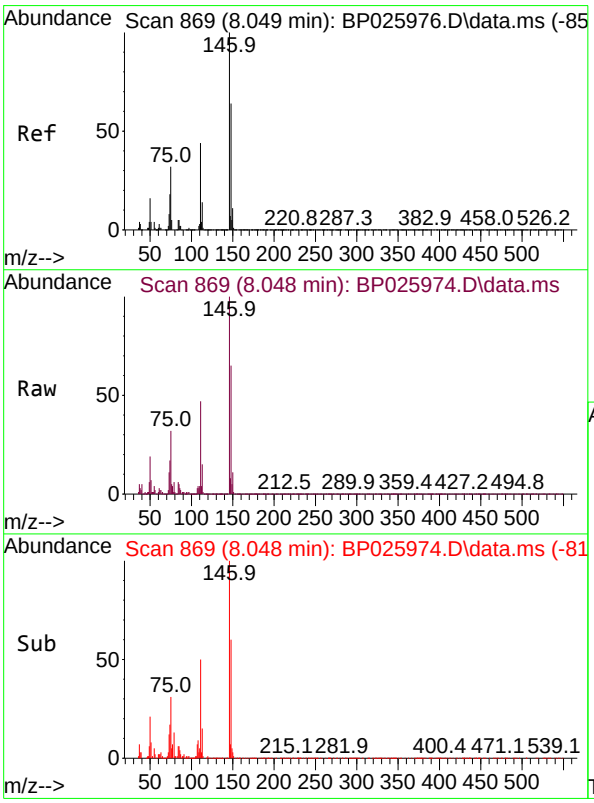
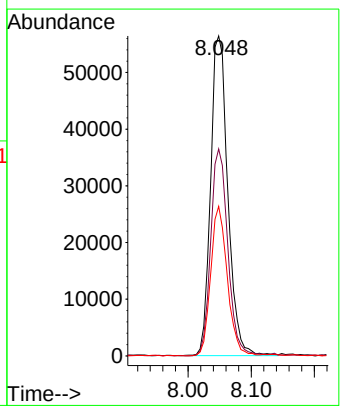
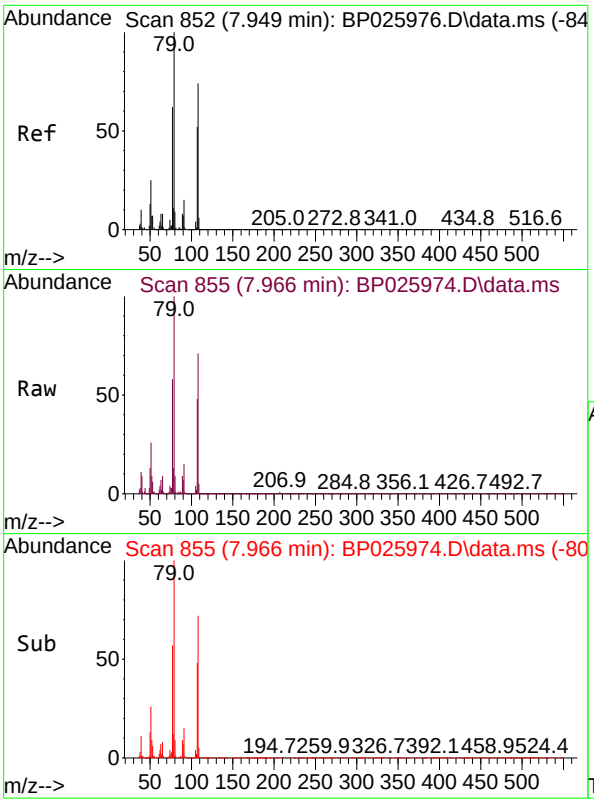


#14
1,2-Dichlorobenzene
Concen: 9.081 ng
RT: 8.048 min Scan# 869
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:146 Resp: 107159

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.6
111	46.7	35.3	52.9

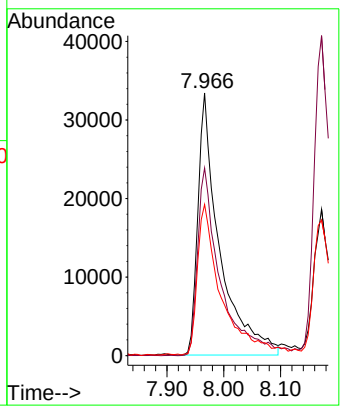




#15
Benzyl Alcohol
Concen: 8.081 ng
RT: 7.966 min Scan# 8
Delta R.T. 0.017 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 79 Resp: 8845

Ion	Ratio	Lower	Upper
79	100		
108	71.4	59.2	88.8
77	57.5	49.3	73.9



Instrument :
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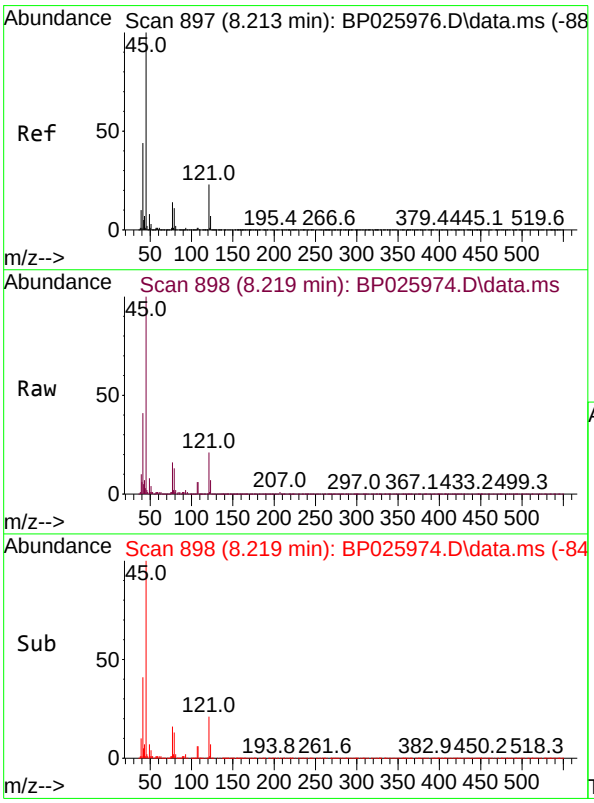
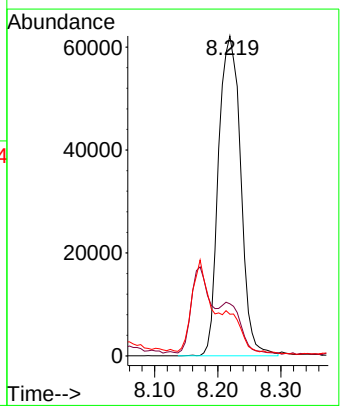
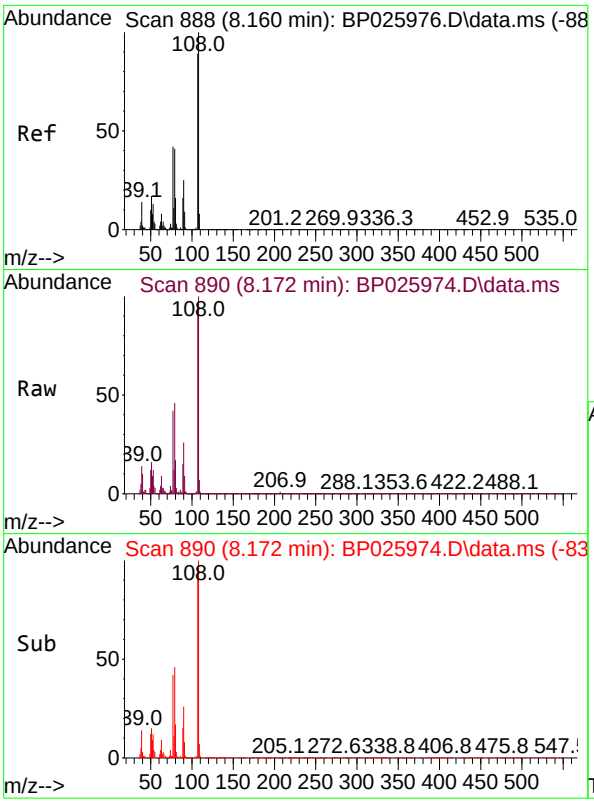


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.301 ng
RT: 8.219 min Scan# 898
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 45 Resp: 151627

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	34.3
79	13.0	0.0	31.5

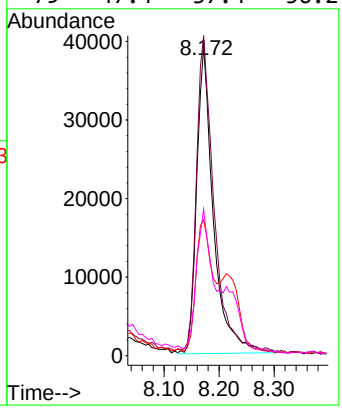




#17
2-Methylphenol
Concen: 8.871 ng
RT: 8.172 min Scan# 8
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:107 Resp: 8255

Ion	Ratio	Lower	Upper
107	100		
108	103.6	89.5	134.3
77	44.0	38.1	57.1
79	47.4	37.4	56.2



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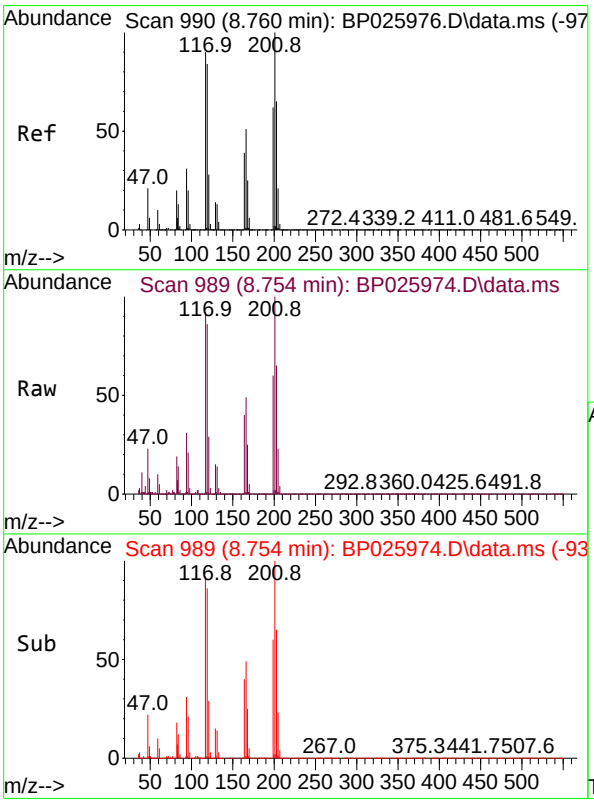
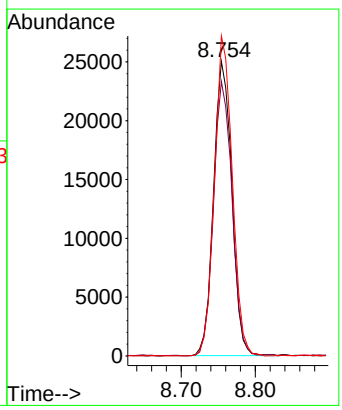
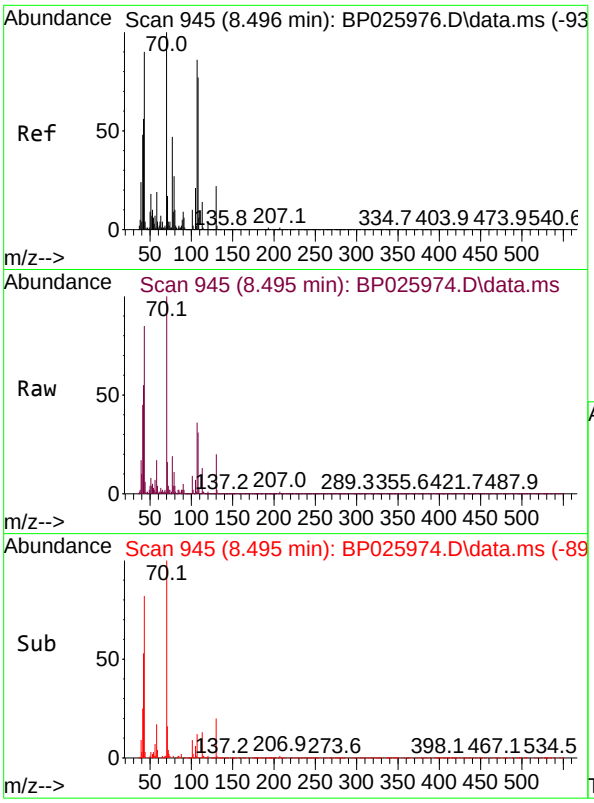


#18
Hexachloroethane
Concen: 9.327 ng
RT: 8.754 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:117 Resp: 42933

Ion	Ratio	Lower	Upper
117	100		
119	93.1	74.6	112.0
201	108.7	88.6	133.0

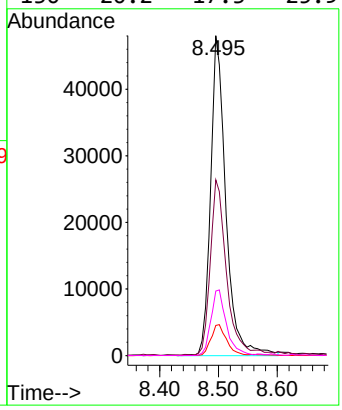




#19
n-Nitroso-di-n-propylamine
Concen: 9.448 ng
RT: 8.495 min Scan# 94
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 70 Resp: 8661

Ion	Ratio	Lower	Upper
70	100		
42	54.9	45.2	67.8
101	9.4	7.9	11.9
130	20.2	17.3	25.9



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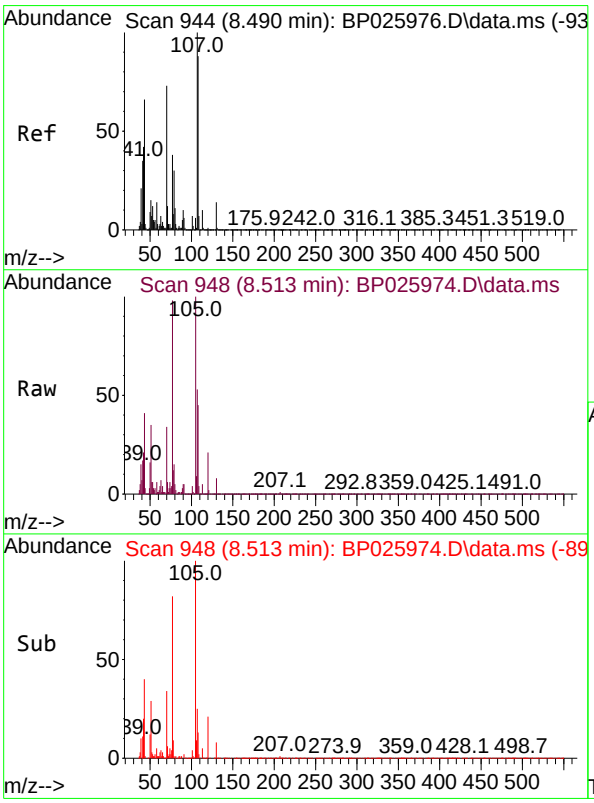
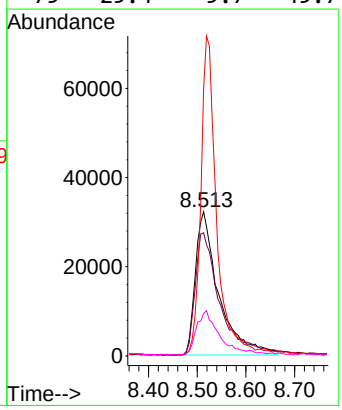
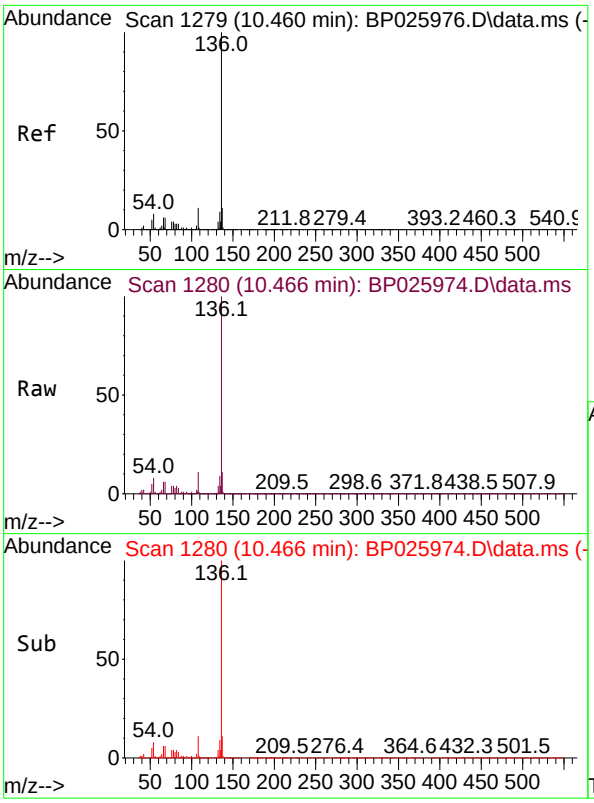


#20
3+4-Methylphenols
Concen: 8.232 ng
RT: 8.513 min Scan# 948
Delta R.T. 0.023 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:107 Resp: 106746

Ion	Ratio	Lower	Upper
107	100		
108	85.4	67.8	107.8
77	185.7	18.5	58.5#
79	29.4	9.7	49.7

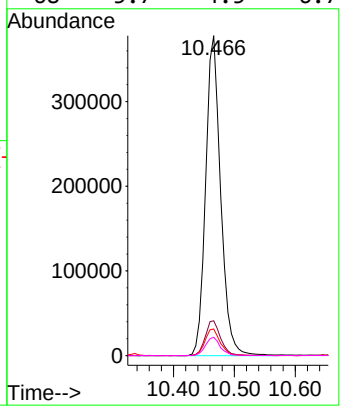




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.466 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:136 Resp: 64673

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.4	6.8	10.2
68	5.7	4.5	6.7



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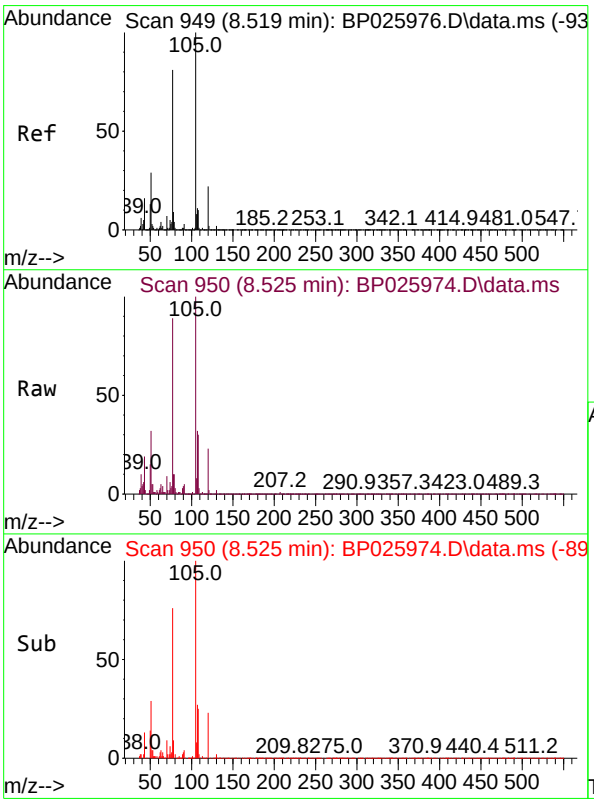
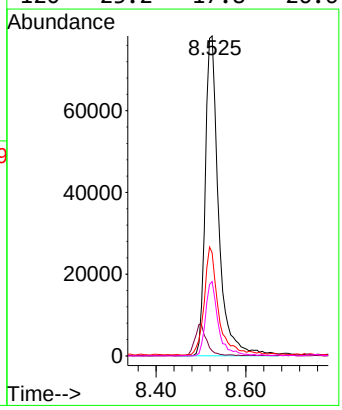
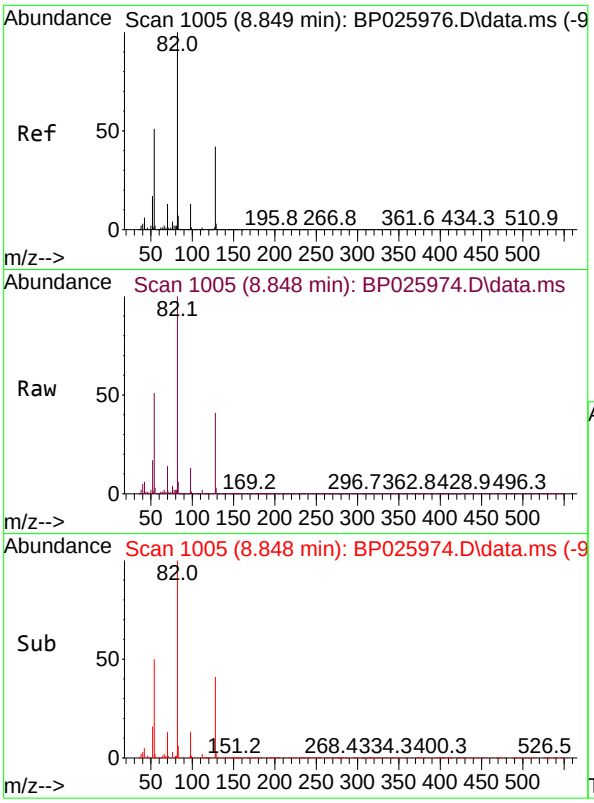


#22
Acetophenone
Concen: 9.254 ng
RT: 8.525 min Scan# 950
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:105 Resp: 162708

Ion	Ratio	Lower	Upper
105	100		
71	1.6	0.9	1.3#
51	32.2	23.0	34.4
120	23.2	17.8	26.6

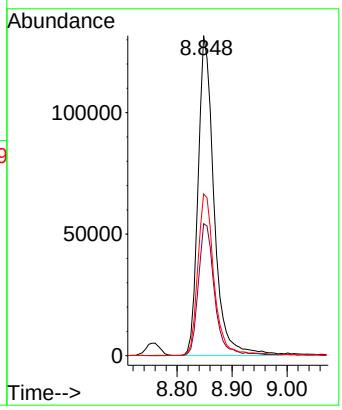




#23
Nitrobenzene-d5
Concen: 18.414 ng
RT: 8.848 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 82 Resp: 26495

Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.6	50.4
54	50.5	40.6	61.0



Instrument :
BNA_P
ClientSampleId :
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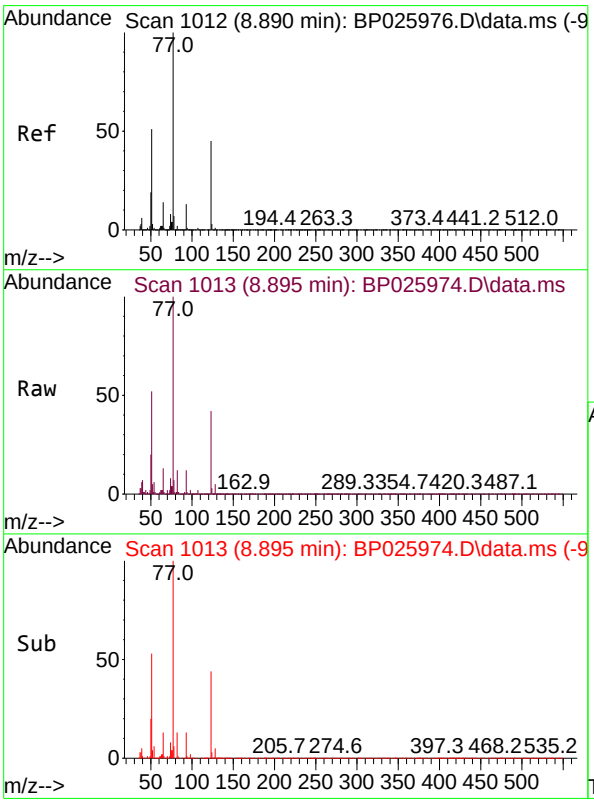
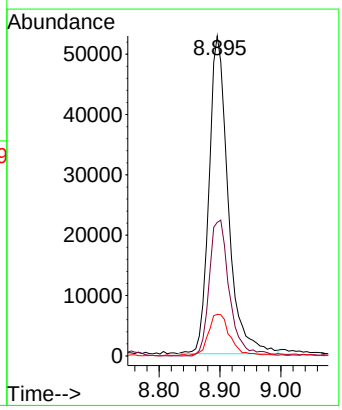
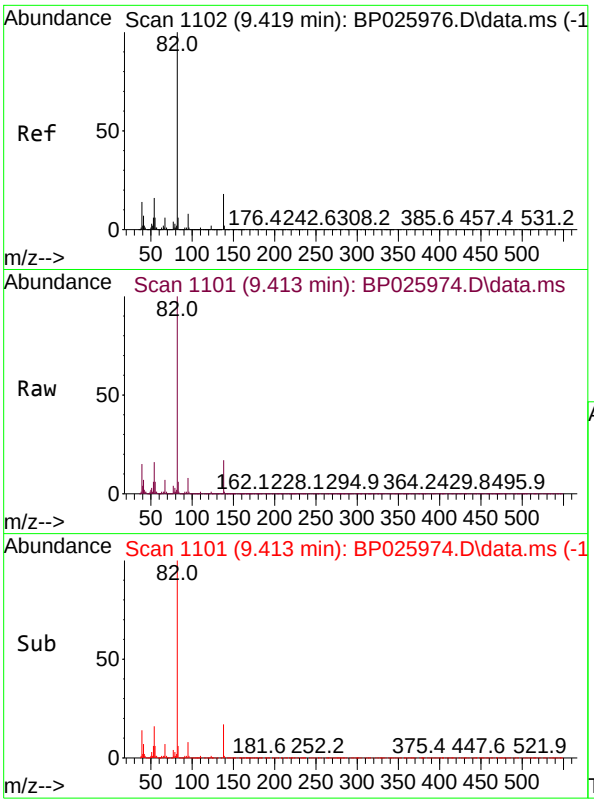


#24
Nitrobenzene
Concen: 9.004 ng
RT: 8.895 min Scan# 1013
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 77 Resp: 115213

Ion	Ratio	Lower	Upper
77	100		
123	41.7	35.6	53.4
65	13.0	11.1	16.7

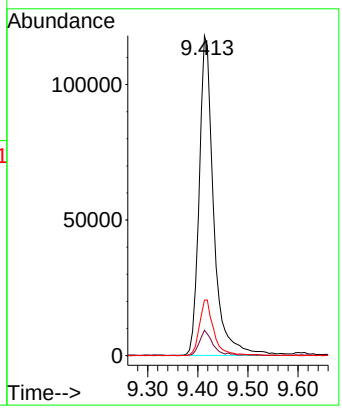




#25
Isophorone
Concen: 9.161 ng
RT: 9.413 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 82 Resp: 23672

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.1	9.1
138	17.3	14.2	21.2



Instrument :
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ClientSampleId :
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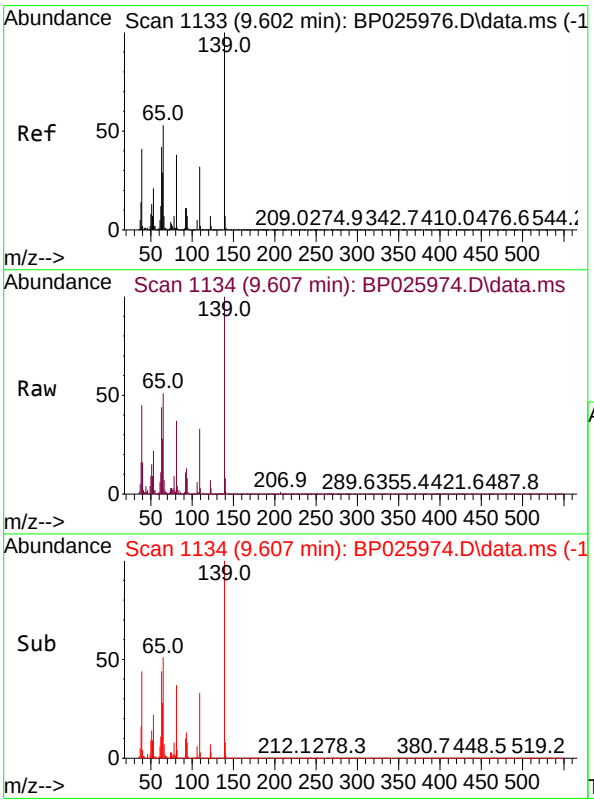
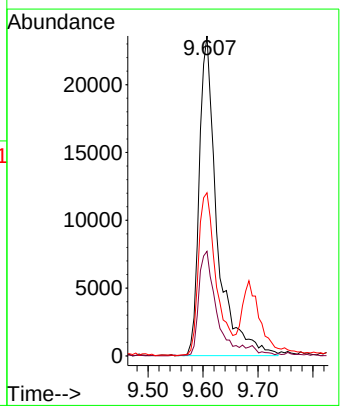
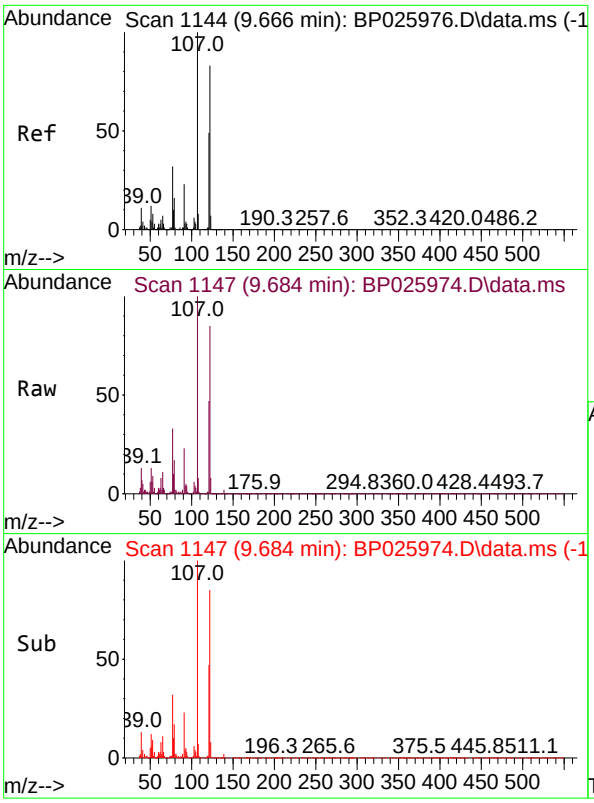


#26
2-Nitrophenol
Concen: 8.577 ng
RT: 9.607 min Scan# 1134
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:139 Resp: 53151

Ion	Ratio	Lower	Upper
139	100		
109	32.7	25.9	38.9
65	51.0	42.4	63.6

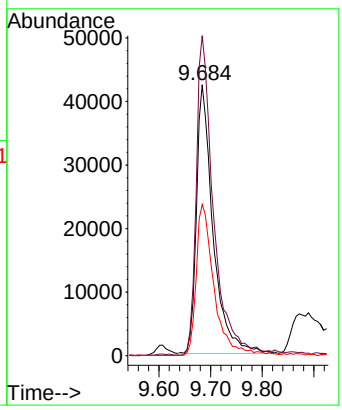




#27
2,4-Dimethylphenol
Concen: 9.000 ng
RT: 9.684 min Scan# 11
Delta R.T. 0.017 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:122 Resp: 9451

Ion	Ratio	Lower	Upper
122	100		
107	118.2	95.9	143.9
121	55.8	46.6	70.0



Instrument :
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ClientSampleId :
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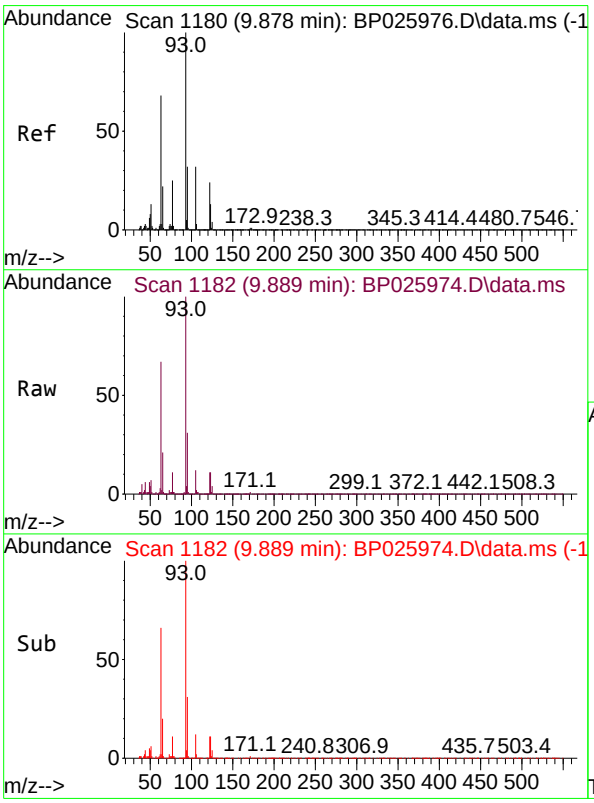
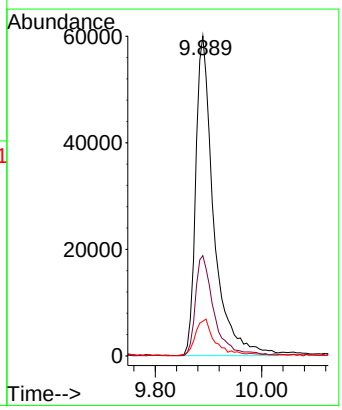
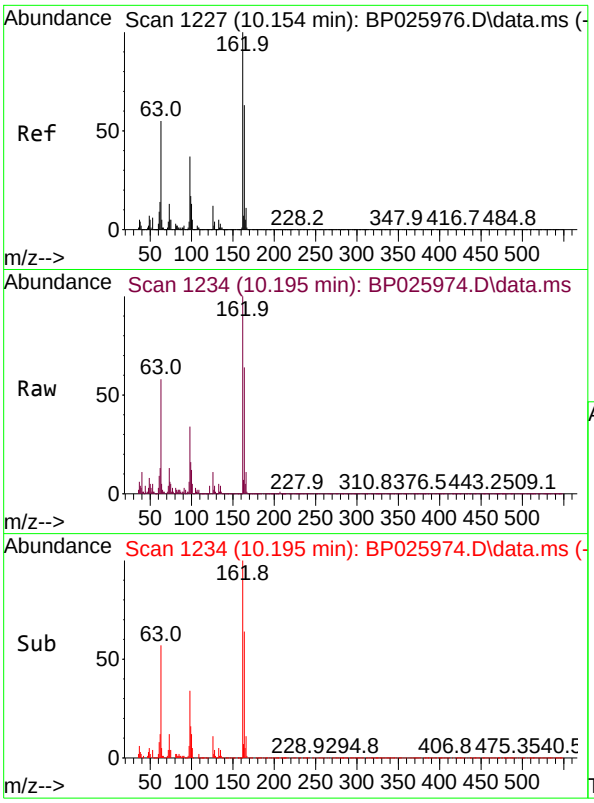


#28
bis(2-Chloroethoxy)methane
Concen: 9.305 ng
RT: 9.889 min Scan# 1182
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 93 Resp: 140668

Ion	Ratio	Lower	Upper
93	100		
95	31.3	25.3	37.9
123	10.8	10.4	15.6

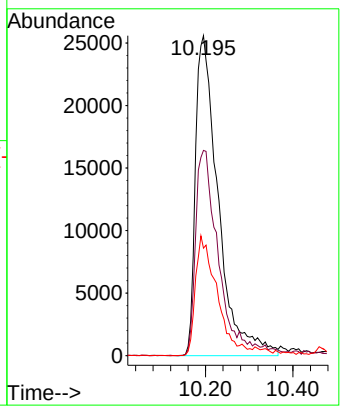




#29
2,4-Dichlorophenol
Concen: 8.814 ng
RT: 10.195 min Scan# 1
Delta R.T. 0.041 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:162 Resp: 9222

Ion	Ratio	Lower	Upper
162	100		
164	64.1	43.4	83.4
98	33.6	17.3	57.3



Instrument :
BNA_P
ClientSampleId :
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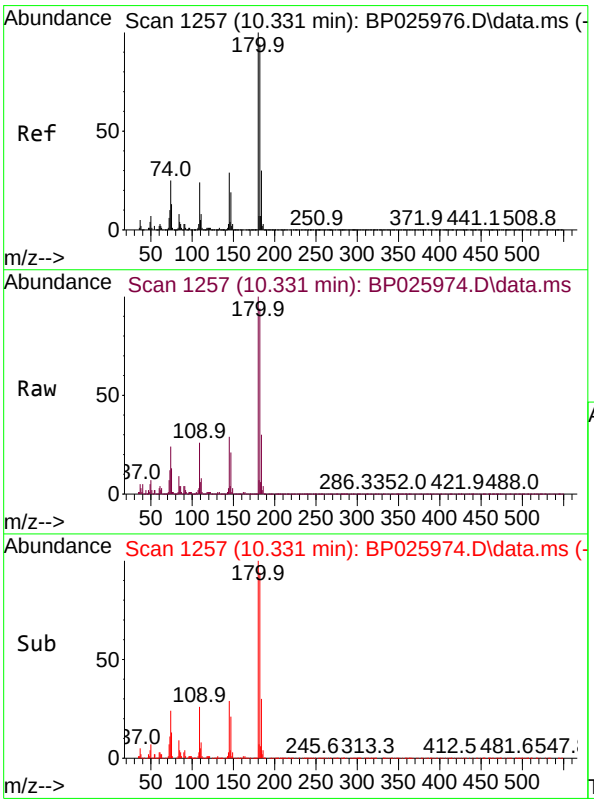
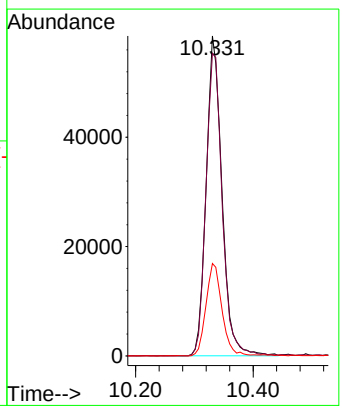
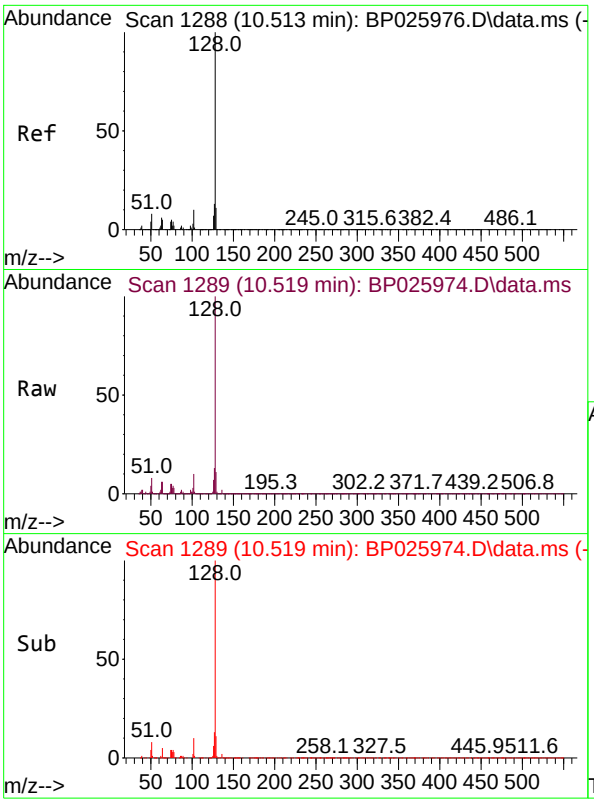


#30
1,2,4-Trichlorobenzene
Concen: 9.222 ng
RT: 10.331 min Scan# 1257
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:180 Resp: 109239

Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.3	112.9
145	28.9	23.4	35.2

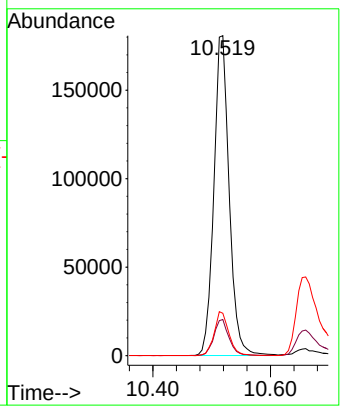




#31
Naphthalene
Concen: 9.389 ng
RT: 10.519 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:128 Resp: 32755

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	13.2	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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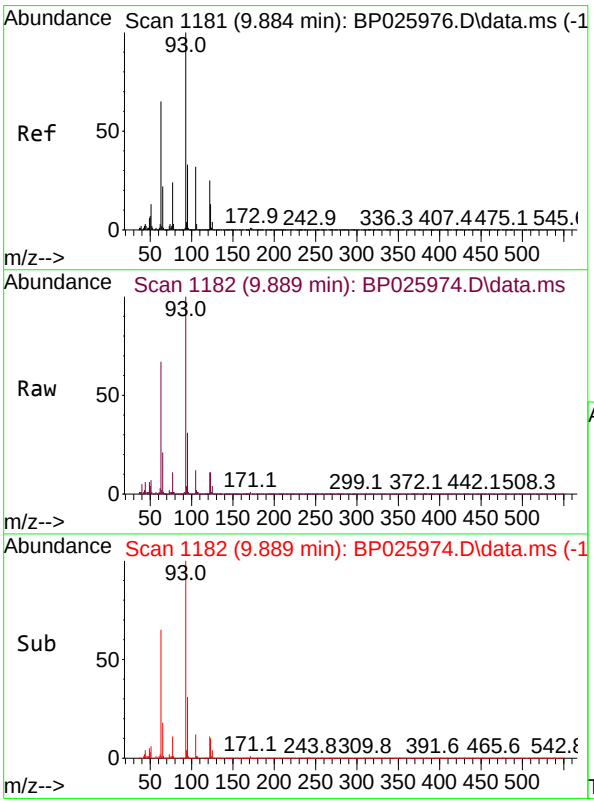
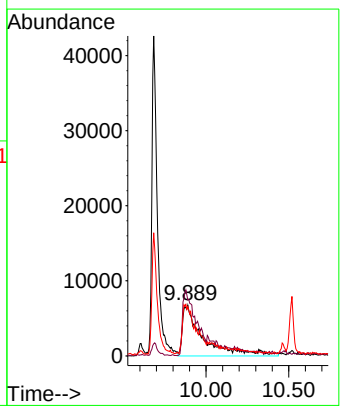
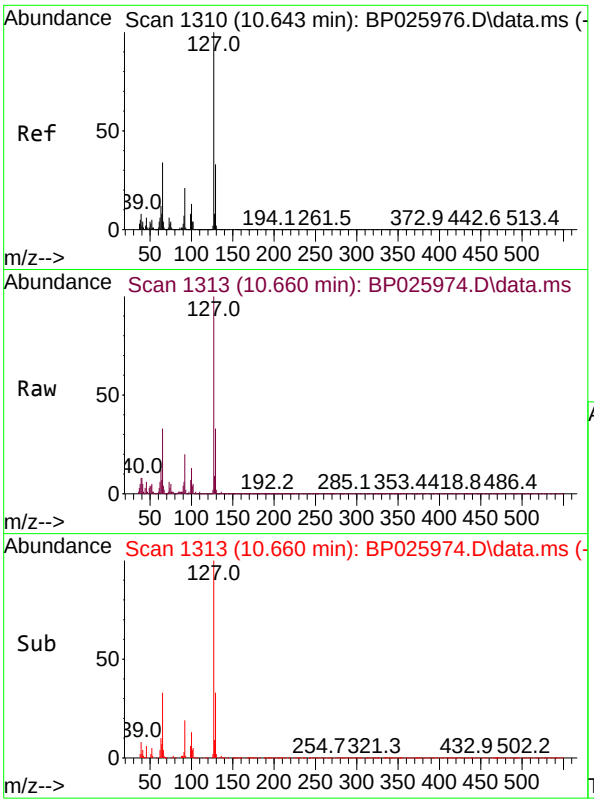


#32
Benzoic acid
Concen: 7.652 ng m
RT: 9.889 min Scan# 1182
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:122 Resp: 58337

Ion	Ratio	Lower	Upper
122	100		
105	110.5	107.4	147.4
77	97.3	77.0	117.0





#33
4-Chloroaniline
Concen: 8.791 ng
RT: 10.660 min Scan# 1
Delta R.T. 0.017 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Instrument :
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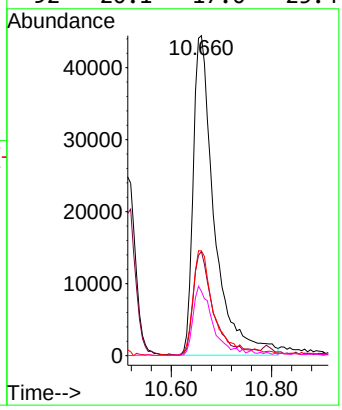
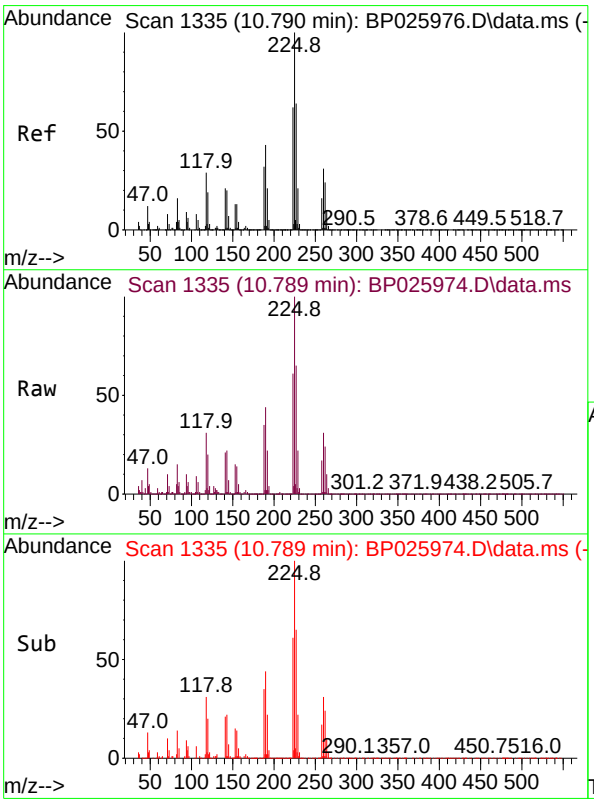
Tgt Ion:127 Resp: 13024

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	32.7	27.2	40.8
92	20.1	17.0	25.4

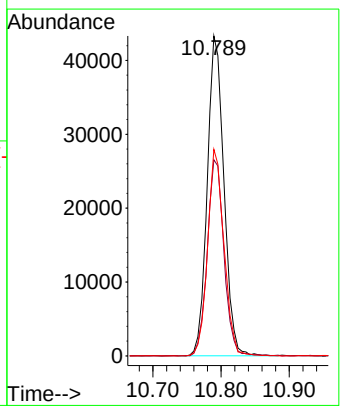


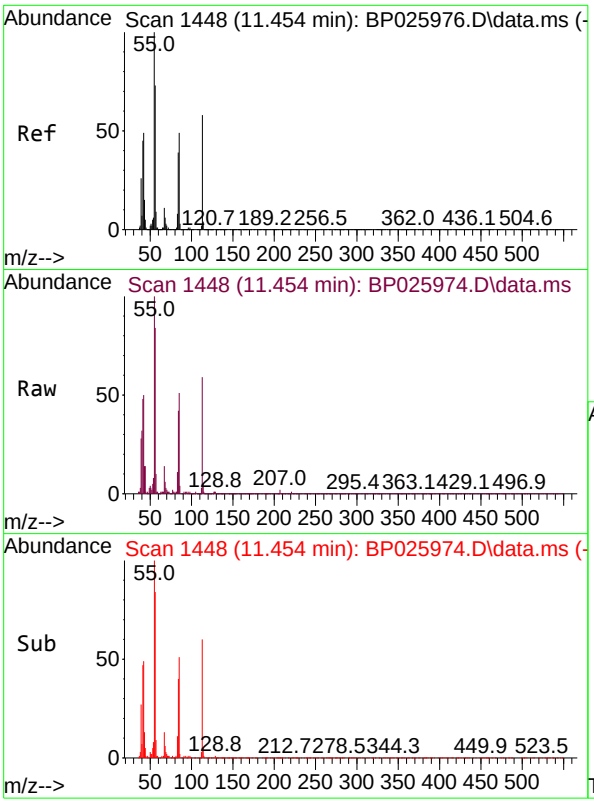


#34
Hexachlorobutadiene
Concen: 9.375 ng
RT: 10.789 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:225 Resp: 73494

Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.8	74.8
227	64.5	51.4	77.2

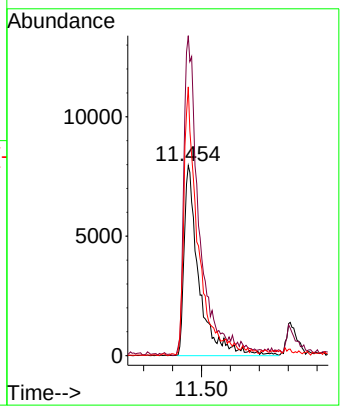




#35
Caprolactam
Concen: 7.616 ng m
RT: 11.454 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:113 Resp: 2835

Ion	Ratio	Lower	Upper
113	100		
55	168.4	151.8	191.8
56	141.4	104.6	144.6



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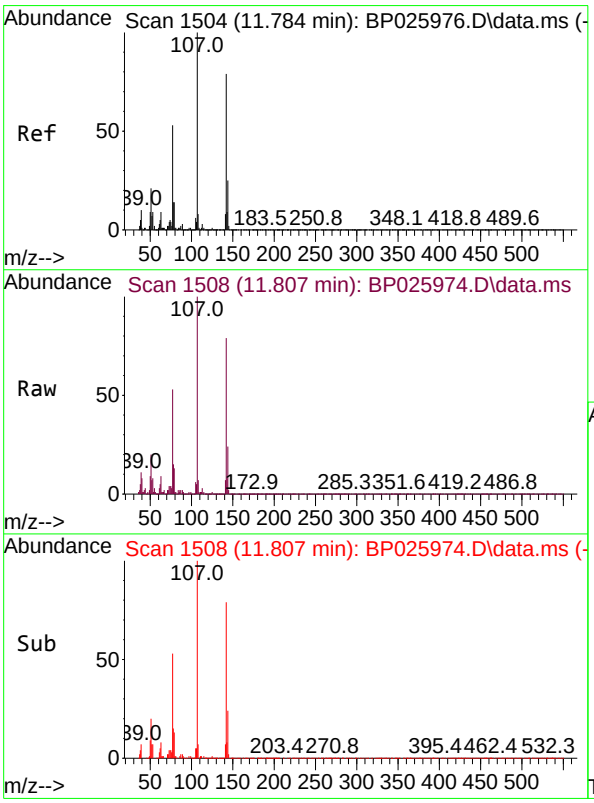
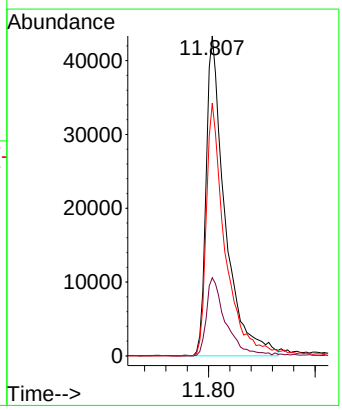
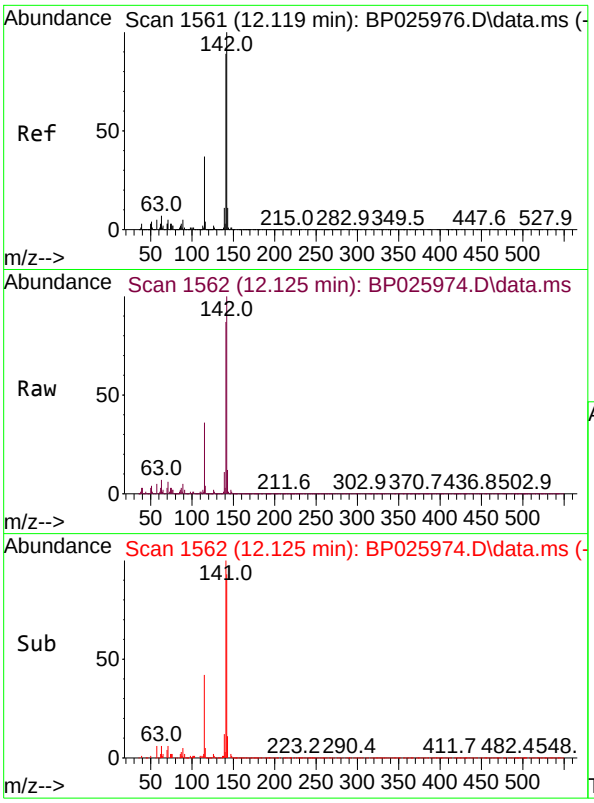


#36
4-Chloro-3-methylphenol
Concen: 8.683 ng
RT: 11.807 min Scan# 1508
Delta R.T. 0.023 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:107 Resp: 106663

Ion	Ratio	Lower	Upper
107	100		
144	24.4	20.3	30.5
142	79.0	63.0	94.4

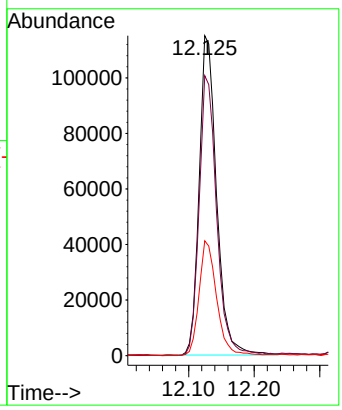




#37
2-Methylnaphthalene
Concen: 9.272 ng
RT: 12.125 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:142 Resp: 211799

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.9	106.3
115	35.9	29.9	44.9



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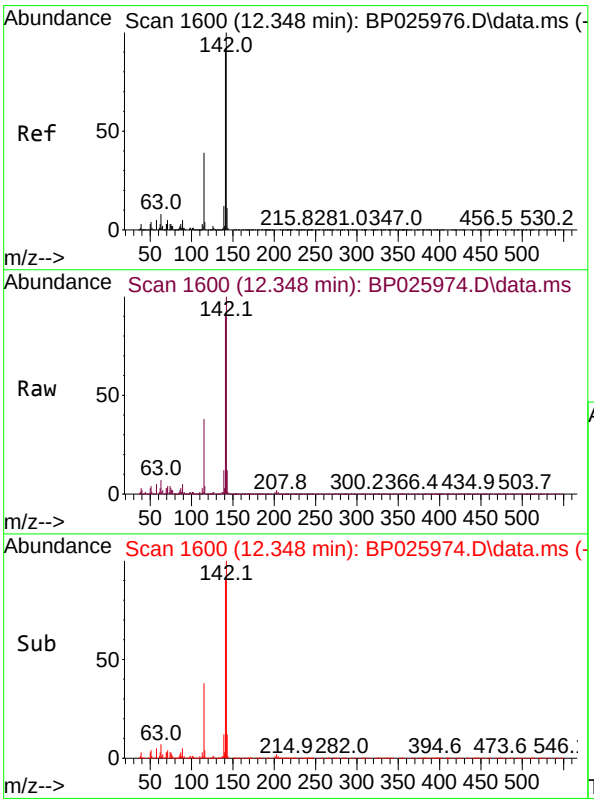
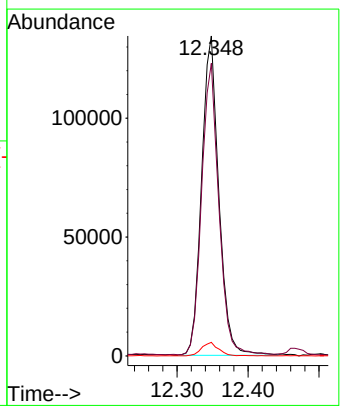
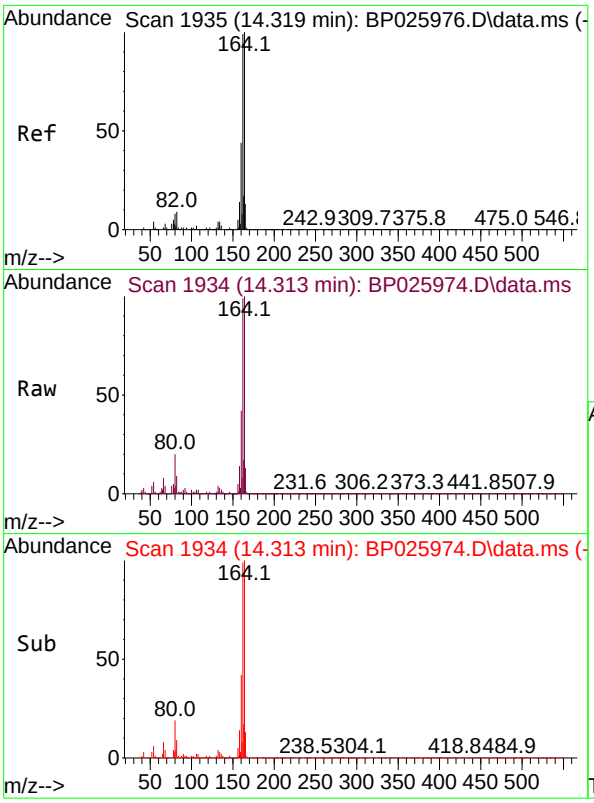


#38
1-Methylnaphthalene
Concen: 9.388 ng
RT: 12.348 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:142 Resp: 226183

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.7	110.5
116	4.2	3.2	4.8

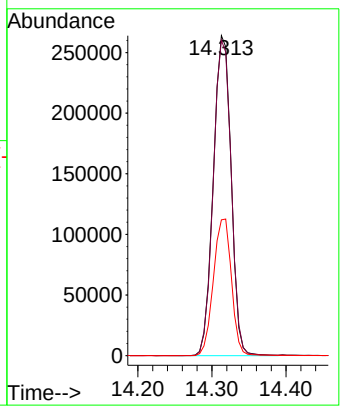




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:164 Resp: 43932

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.3	118.9
160	42.4	35.4	53.0



Instrument :
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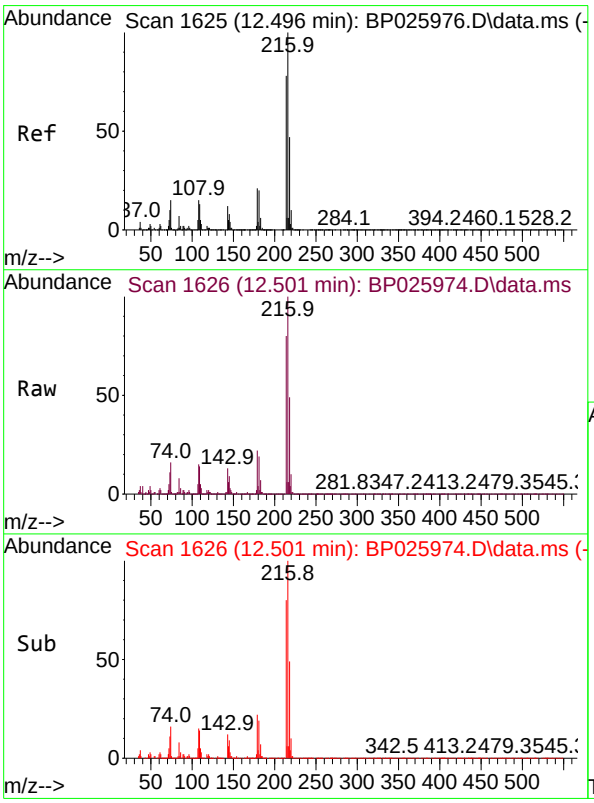
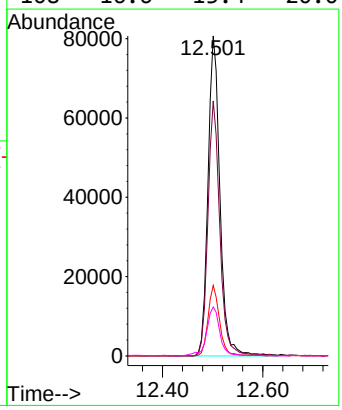
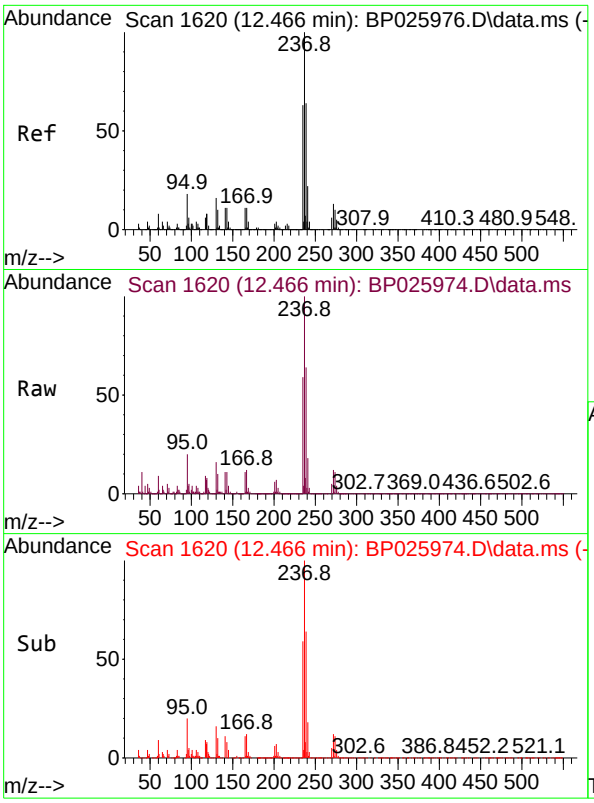


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.323 ng
RT: 12.501 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:216 Resp: 133379

Ion	Ratio	Lower	Upper
216	100		
214	79.0	62.6	94.0
179	21.0	16.5	24.7
108	16.6	13.4	20.0





#41
Hexachlorocyclopentadiene
Concen: 10.042 ng
RT: 12.466 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:237 Resp: 4213

Ion	Ratio	Lower	Upper
237	100		
235	58.9	43.1	83.1
272	12.0	0.0	33.4

Instrument :
BNA_P
ClientSampleId :
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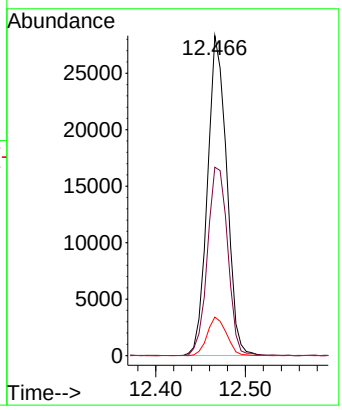
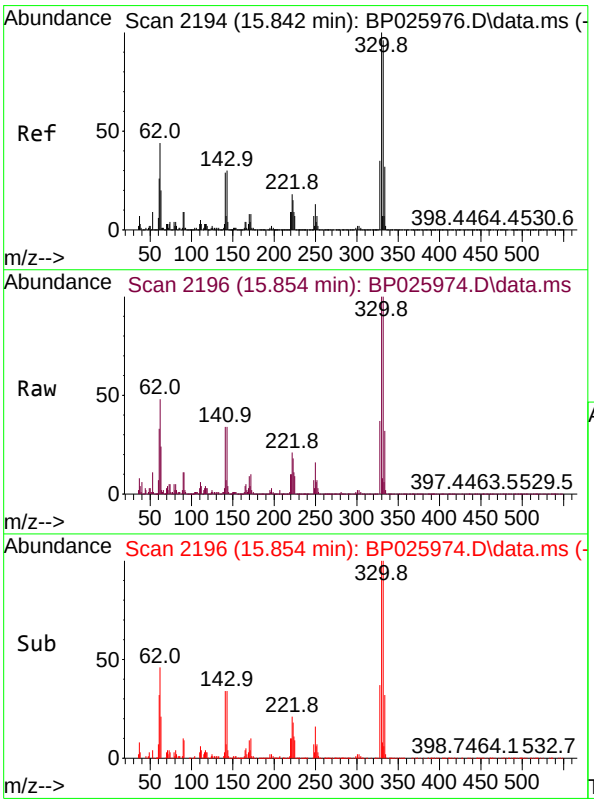
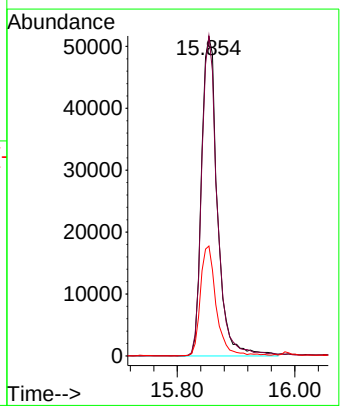


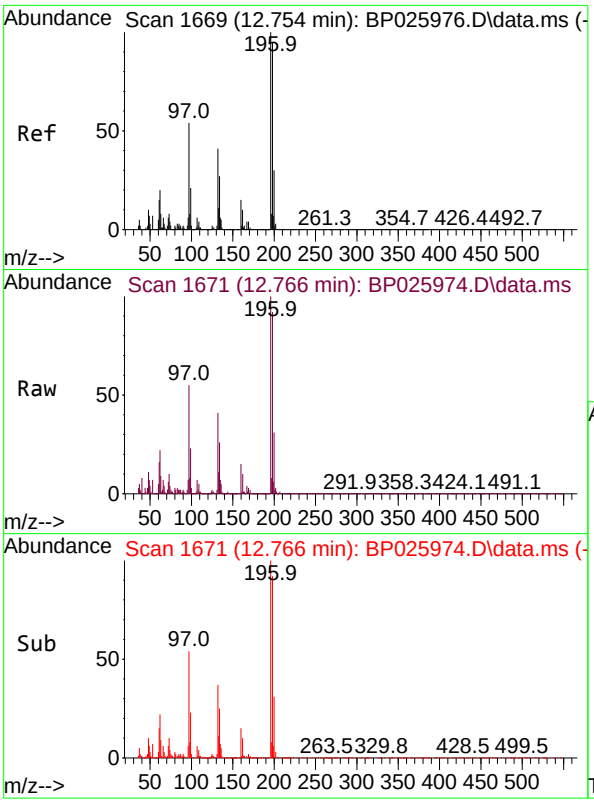


#42
2,4,6-Tribromophenol
Concen: 16.376 ng
RT: 15.854 min Scan# 2196
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:330 Resp: 96851

Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.8	116.8
141	34.4	25.6	38.4

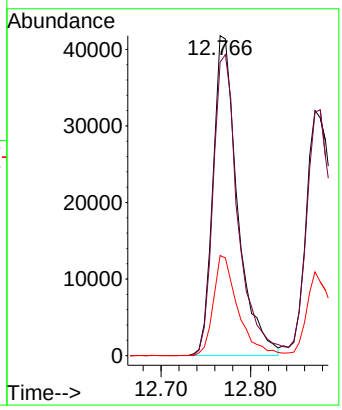




#43
2,4,6-Trichlorophenol
Concen: 8.776 ng
RT: 12.766 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:196 Resp: 7968

Ion	Ratio	Lower	Upper
196	100		
198	91.7	76.3	114.5
200	31.3	23.9	35.9



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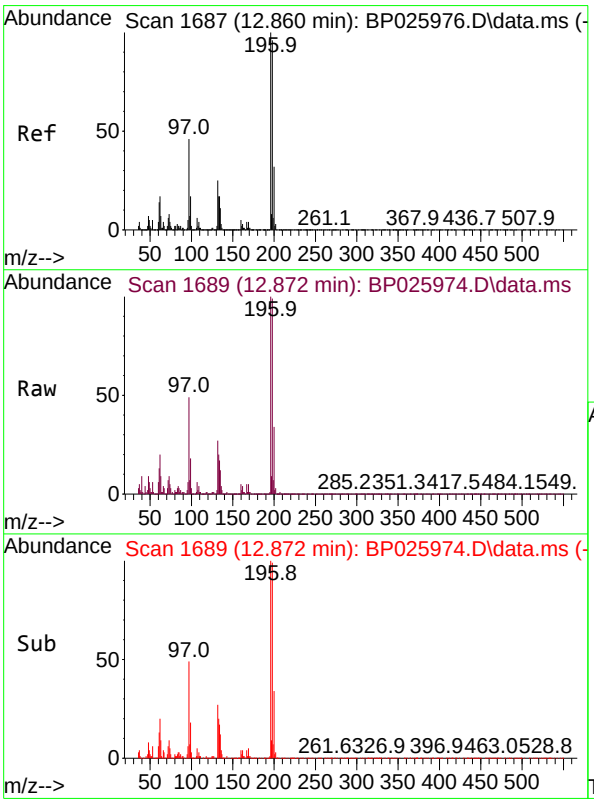
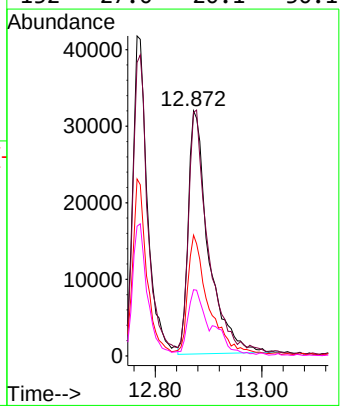
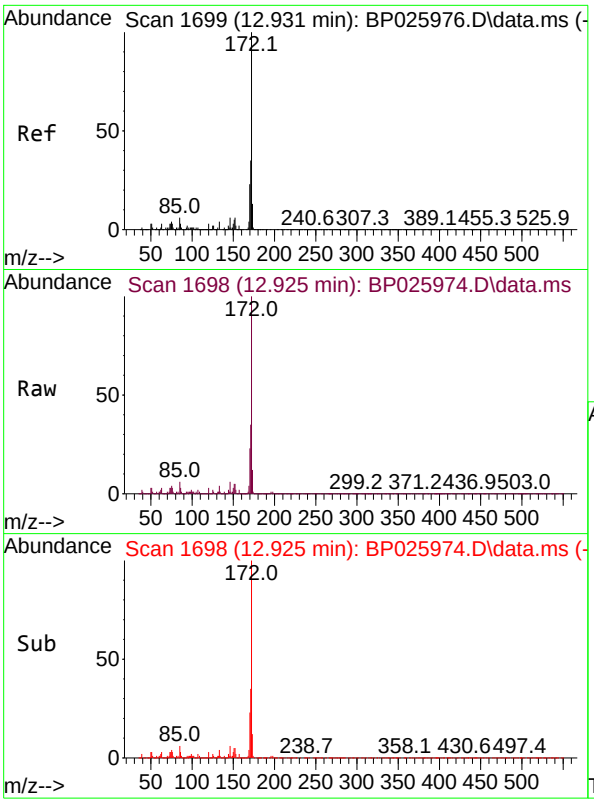


#44
2,4,5-Trichlorophenol
Concen: 8.452 ng
RT: 12.872 min Scan# 1689
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:196 Resp: 83575

Ion	Ratio	Lower	Upper
196	100		
198	99.3	77.0	115.4
97	49.2	36.6	54.8
132	27.0	20.1	30.1

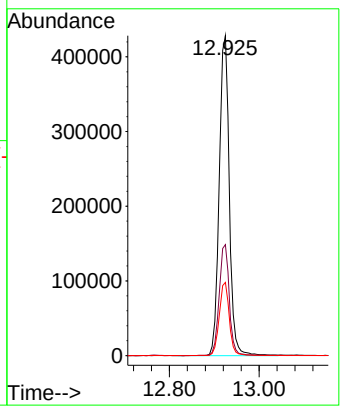




#45
2-Fluorobiphenyl
Concen: 19.514 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:172 Resp: 66886

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.8
170	22.9	18.5	27.7



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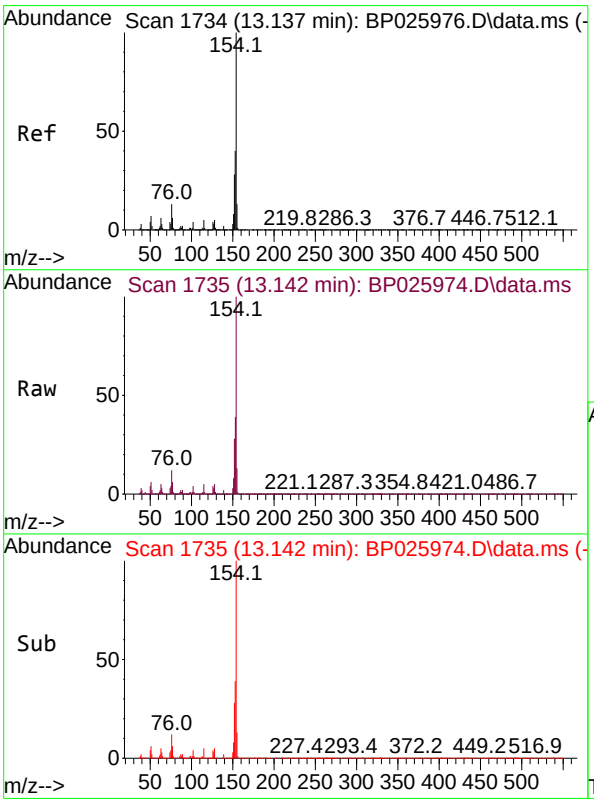
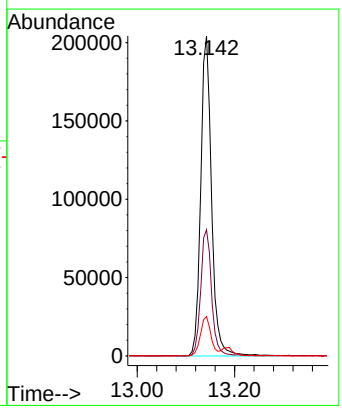
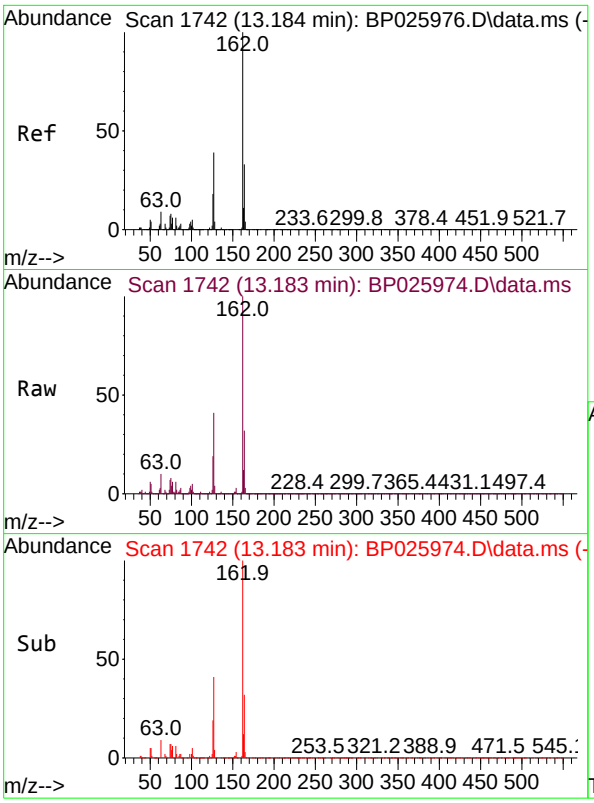


#46
1,1'-Biphenyl
Concen: 9.475 ng
RT: 13.142 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:154 Resp: 314437

Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.1	60.1
76	12.3	0.0	33.1

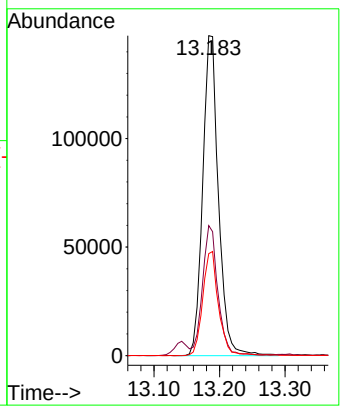




#47
2-Chloronaphthalene
Concen: 9.470 ng
RT: 13.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:162 Resp: 24571

Ion	Ratio	Lower	Upper
162	100		
127	40.6	31.4	47.0
164	31.9	26.4	39.6



Instrument :
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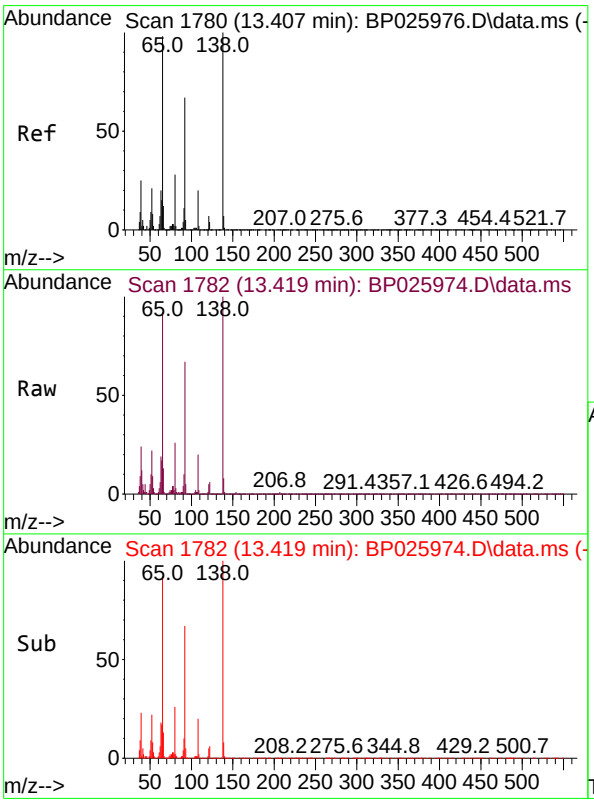
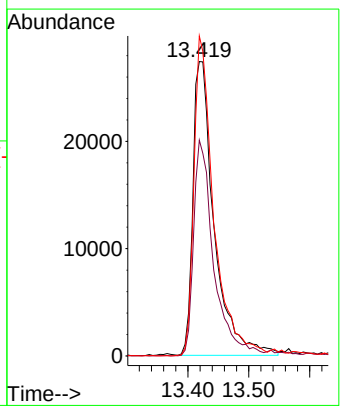
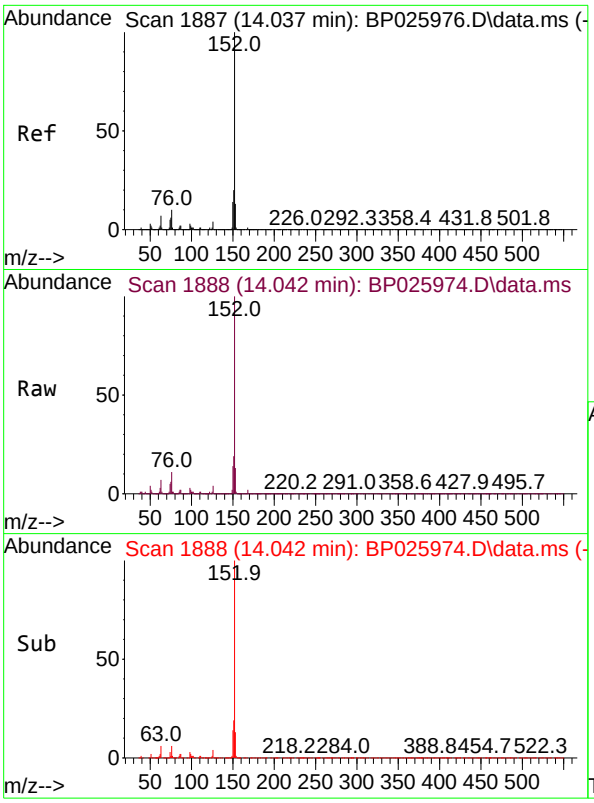


#48
2-Nitroaniline
Concen: 8.240 ng
RT: 13.419 min Scan# 1782
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 65 Resp: 66640

Ion	Ratio	Lower	Upper
65	100		
92	73.3	55.0	82.4
138	108.7	82.0	123.0

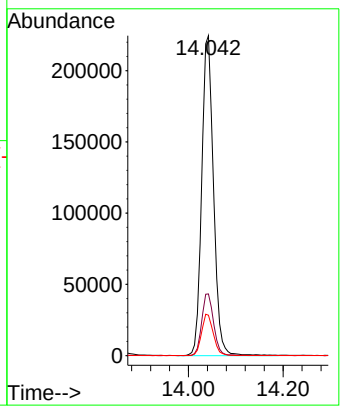




#49
Acenaphthylene
Concen: 9.246 ng
RT: 14.042 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:152 Resp: 38790

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9
153	12.6	10.6	15.8



Instrument :
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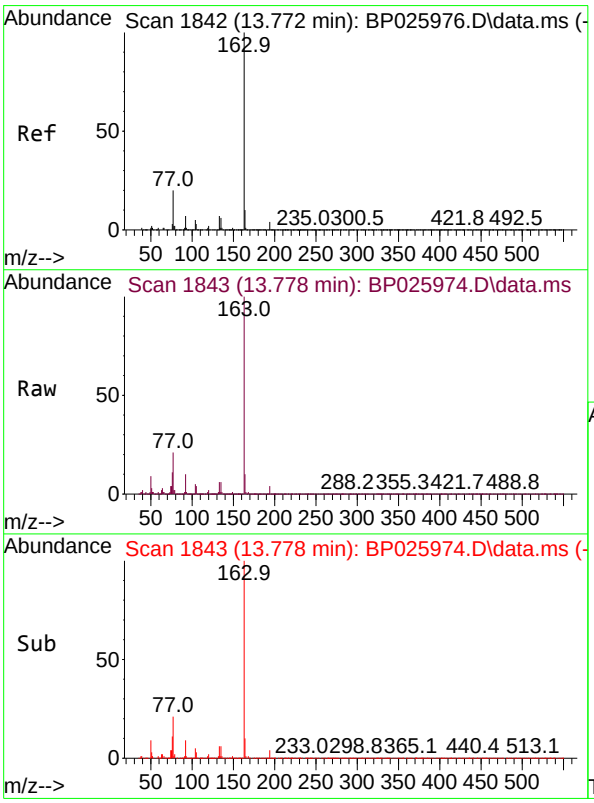
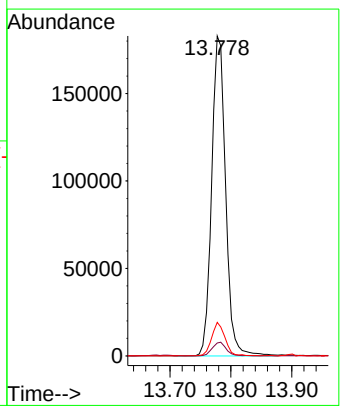
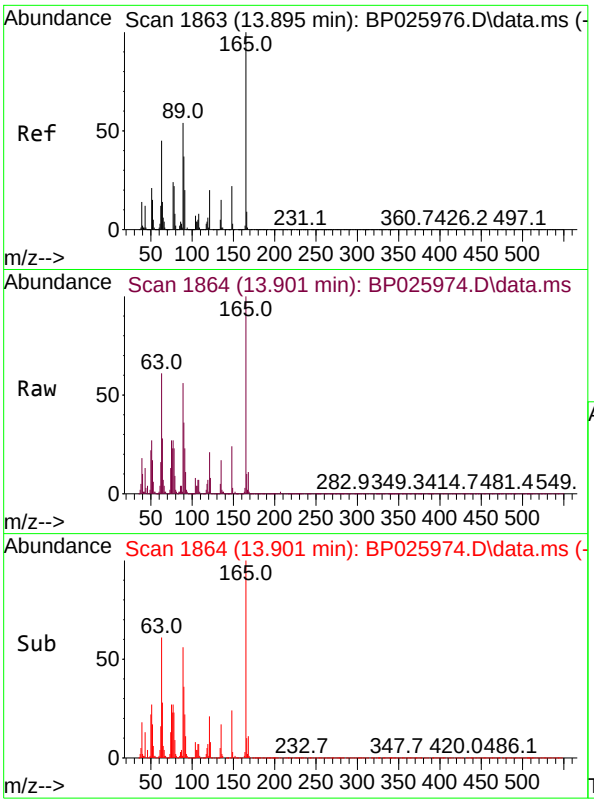


#50
Dimethylphthalate
Concen: 8.782 ng
RT: 13.778 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:163 Resp: 291621

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.6	5.4
164	10.5	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 8.514 ng
RT: 13.901 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:165 Resp: 6104

Ion	Ratio	Lower	Upper
165	100		
63	61.3	45.4	68.0
89	55.6	43.4	65.0

Instrument :
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ClientSampleId :
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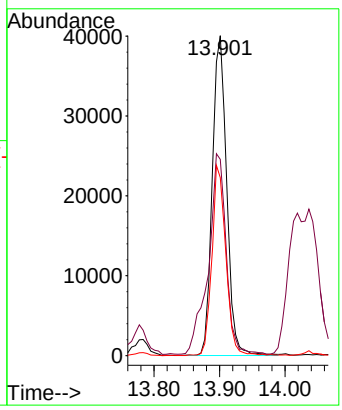
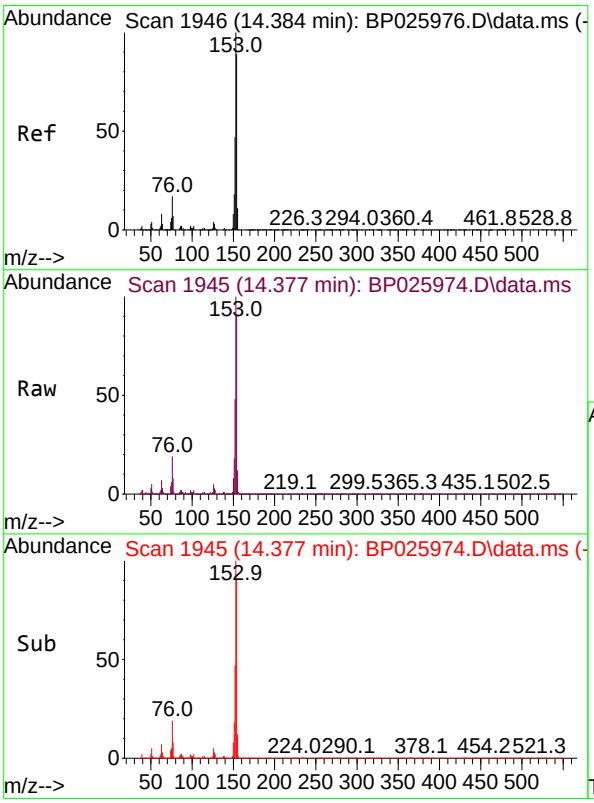
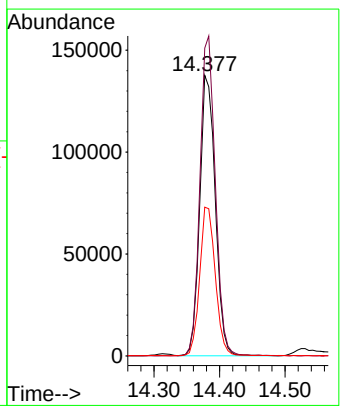


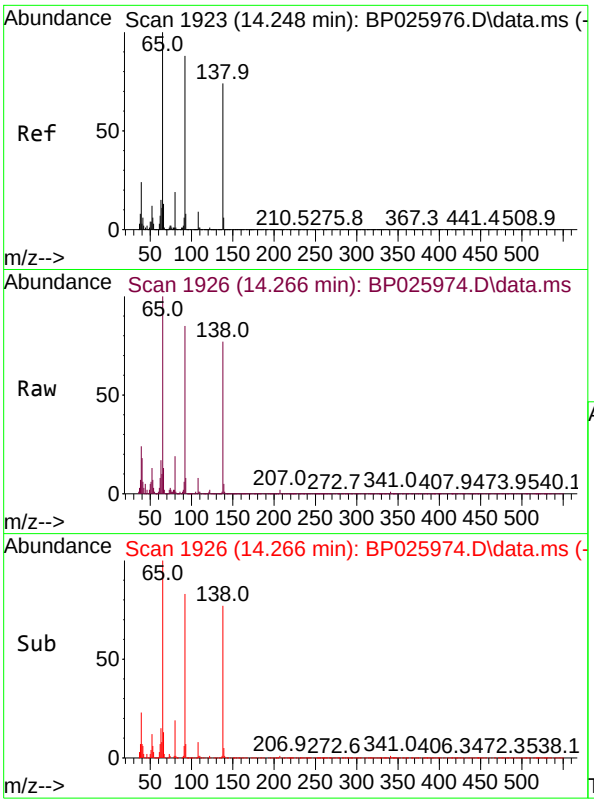


#52
Acenaphthene
Concen: 9.298 ng
RT: 14.377 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:154 Resp: 225263

Ion	Ratio	Lower	Upper
154	100		
153	109.7	90.2	135.2
152	53.0	42.2	63.2

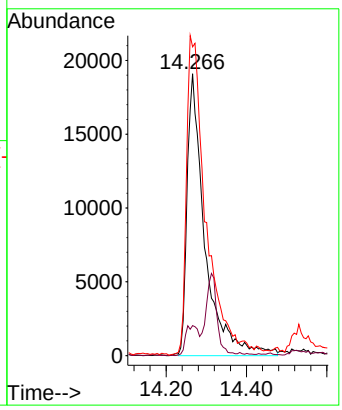




#53
3-Nitroaniline
Concen: 8.320 ng m
RT: 14.266 min Scan# 19
Delta R.T. 0.017 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:138 Resp: 5870

Ion	Ratio	Lower	Upper
138	100		
108	10.7	10.0	15.0
92	109.6	96.1	144.1



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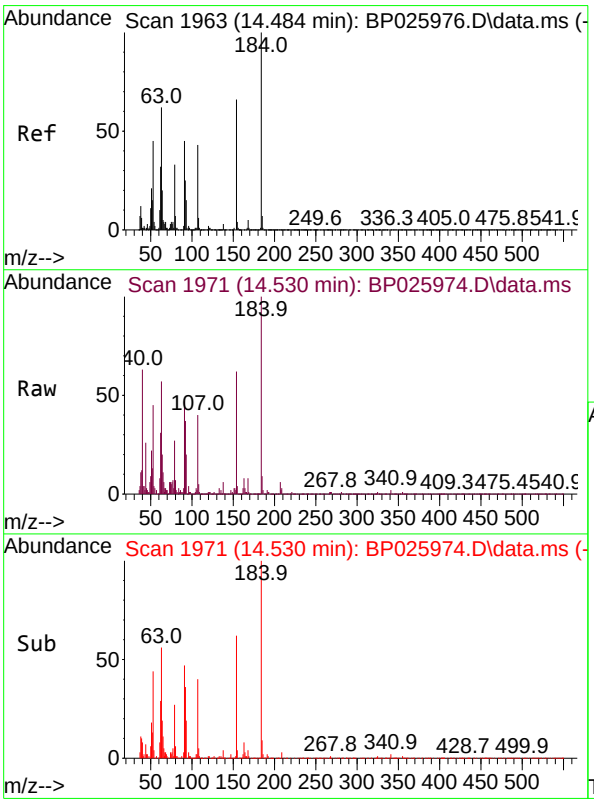
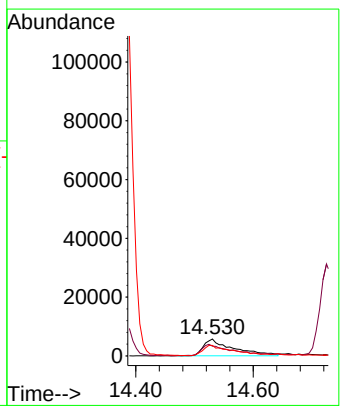
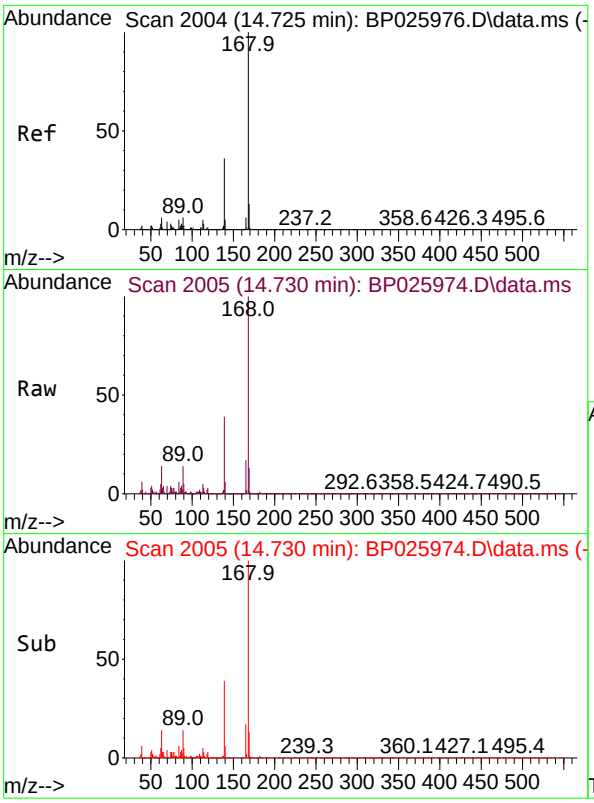


#54
2,4-Dinitrophenol
Concen: 9.321 ng
RT: 14.530 min Scan# 1971
Delta R.T. 0.047 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:184 Resp: 20294

Ion	Ratio	Lower	Upper
184	100		
63	57.1	50.2	75.2
154	62.0	54.2	81.4

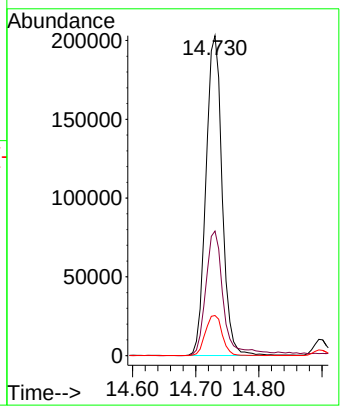




#55
Dibenzofuran
Concen: 9.315 ng
RT: 14.730 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:168 Resp: 36136

Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.5	45.7
169	12.5	10.6	15.8



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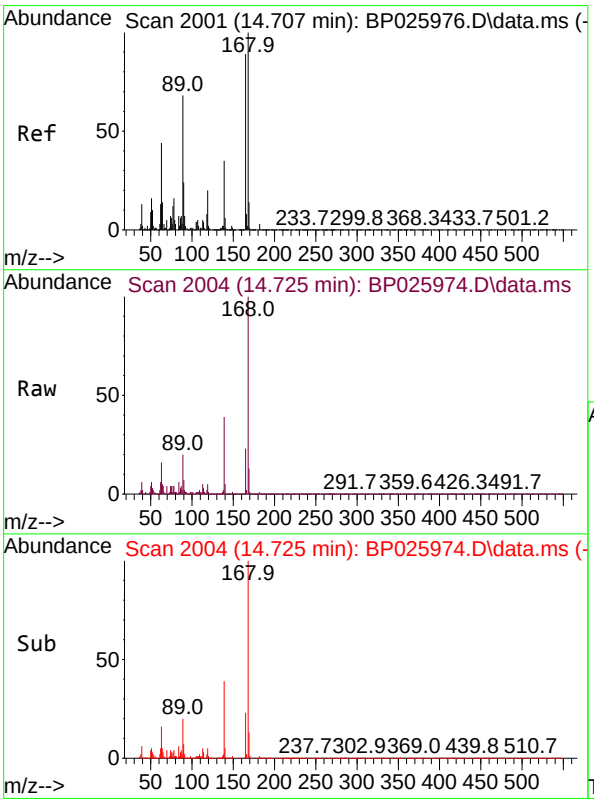
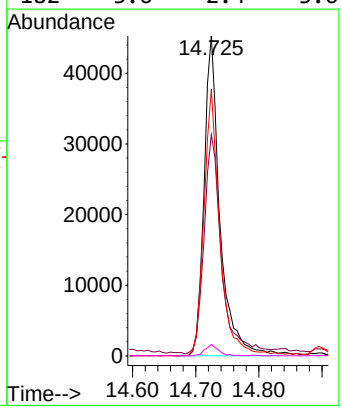
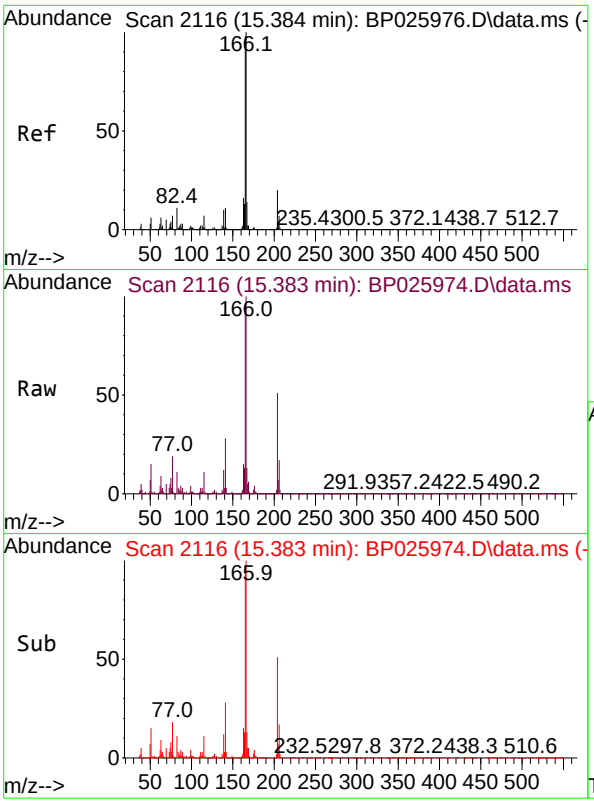


#57
2,4-Dinitrotoluene
Concen: 8.149 ng
RT: 14.725 min Scan# 2004
Delta R.T. 0.017 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:165 Resp: 79164

Ion	Ratio	Lower	Upper
165	100		
63	69.1	41.8	62.6#
89	83.3	61.6	92.4
182	3.6	2.4	3.6

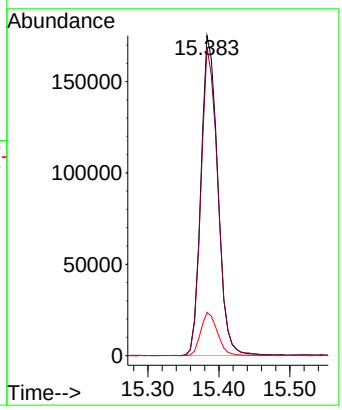




#58
Fluorene
Concen: 9.154 ng
RT: 15.383 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:166 Resp: 28536

Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.2	117.2
167	13.5	10.8	16.2



Instrument :
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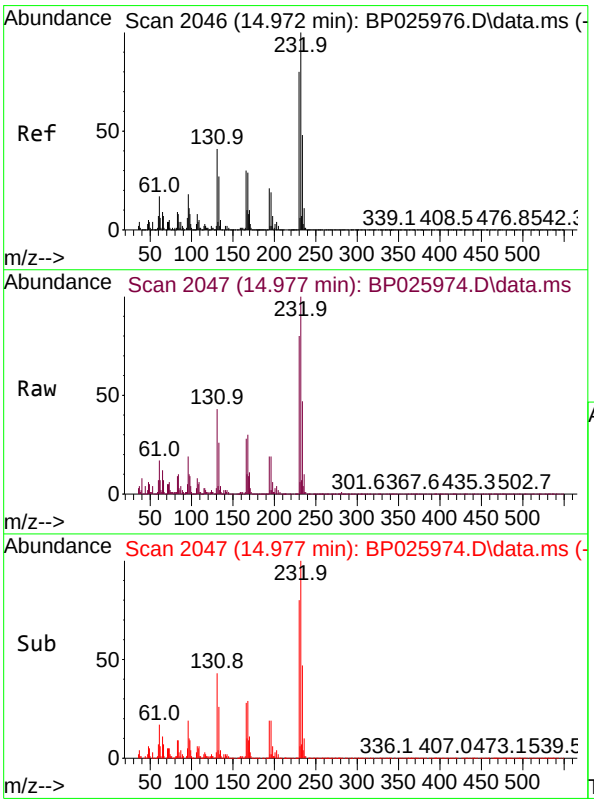
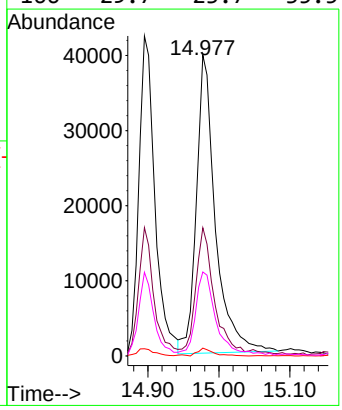
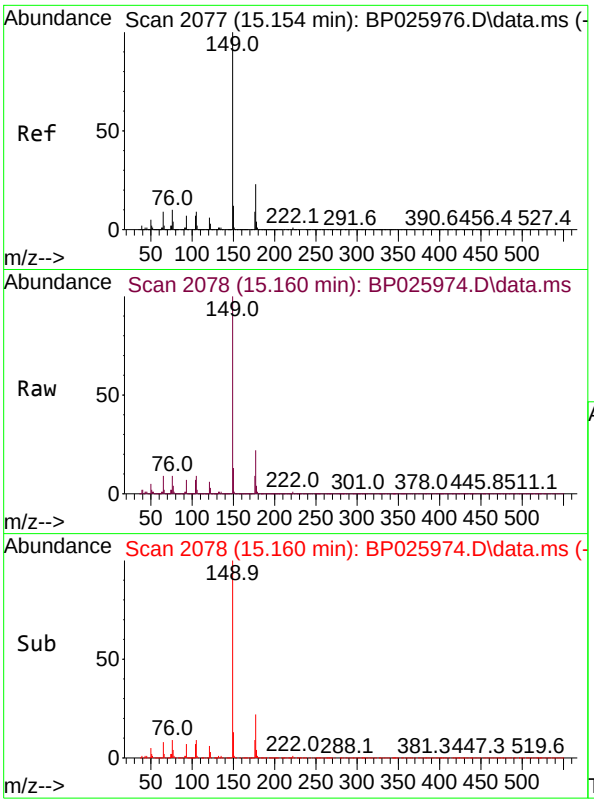


#59
2,3,4,6-Tetrachlorophenol
Concen: 8.315 ng
RT: 14.977 min Scan# 2047
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:232 Resp: 73771

Ion	Ratio	Lower	Upper
232	100		
131	38.8	33.8	50.8
130	2.2	1.8	2.8
166	29.7	23.7	35.5

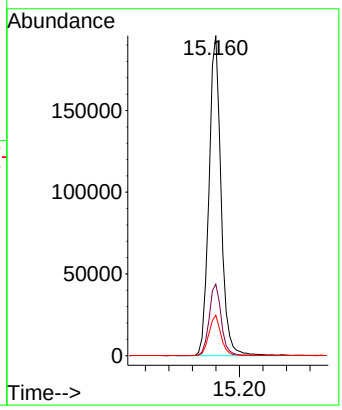




#60
Diethylphthalate
Concen: 8.508 ng
RT: 15.160 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:149 Resp: 27855

Ion	Ratio	Lower	Upper
149	100		
177	22.3	18.2	27.2
150	12.6	9.8	14.6



Instrument :
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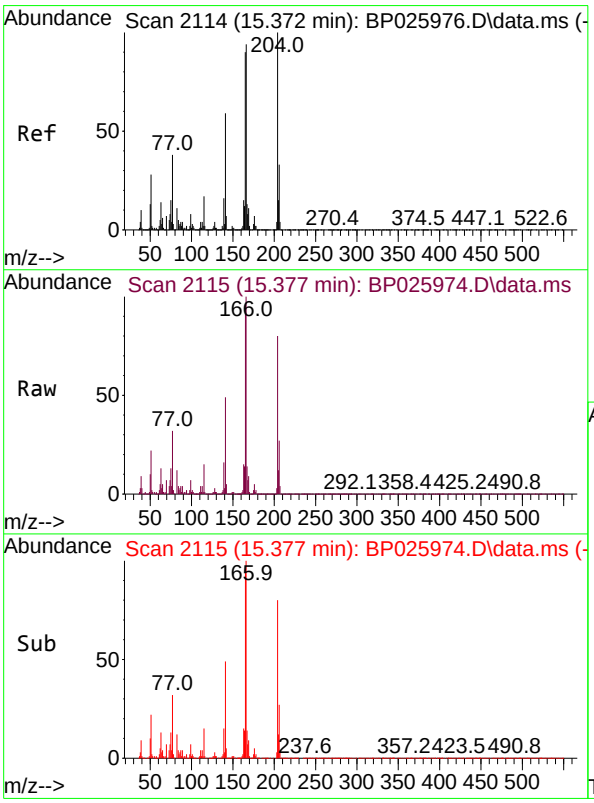
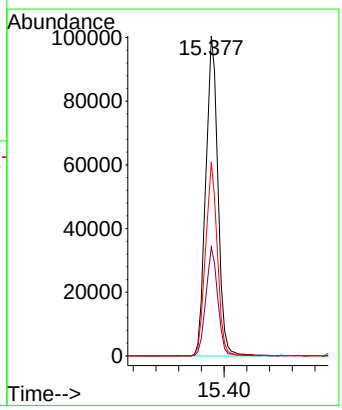
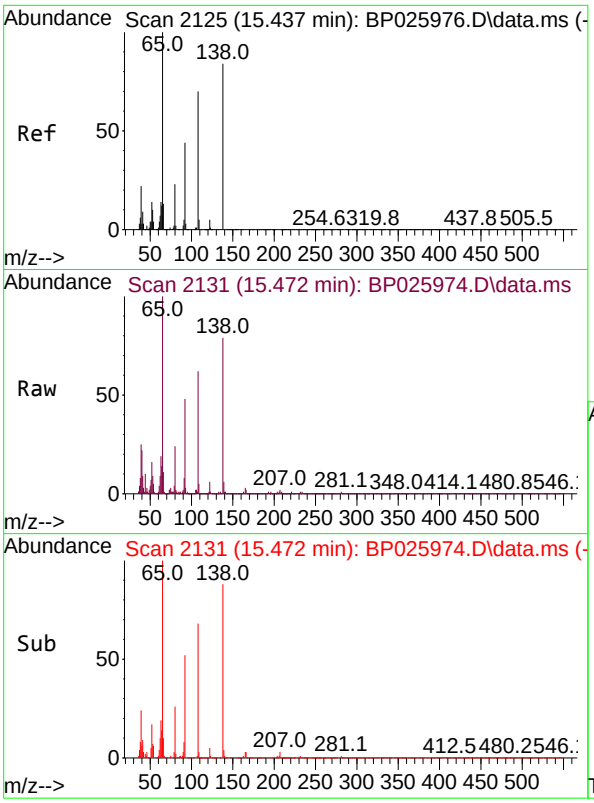


#61
4-Chlorophenyl-phenylether
Concen: 9.153 ng
RT: 15.377 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:204 Resp: 150040

Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.5	39.7
141	60.6	47.2	70.8

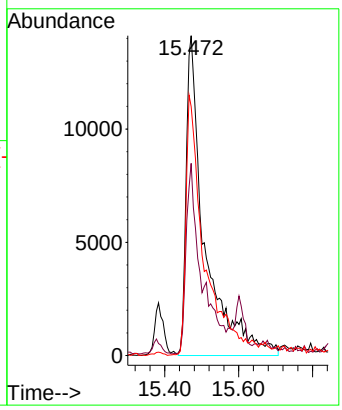




#62
4-Nitroaniline
Concen: 7.594 ng m
RT: 15.472 min Scan# 21
Delta R.T. 0.035 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:138 Resp: 4938

Ion	Ratio	Lower	Upper
138	100		
92	60.1	32.5	72.5
108	77.8	62.7	102.7



Instrument :
BNA_P
ClientSampleId :
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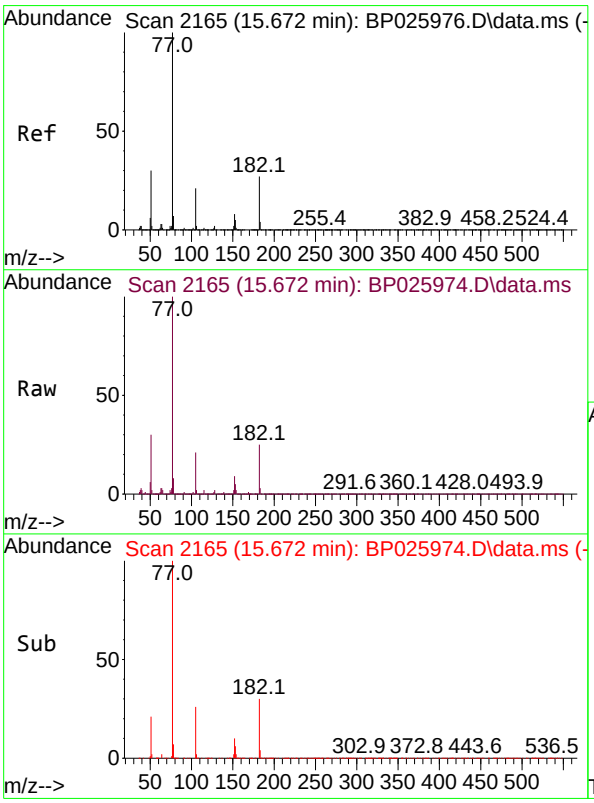
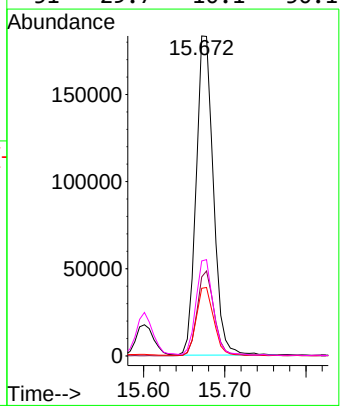
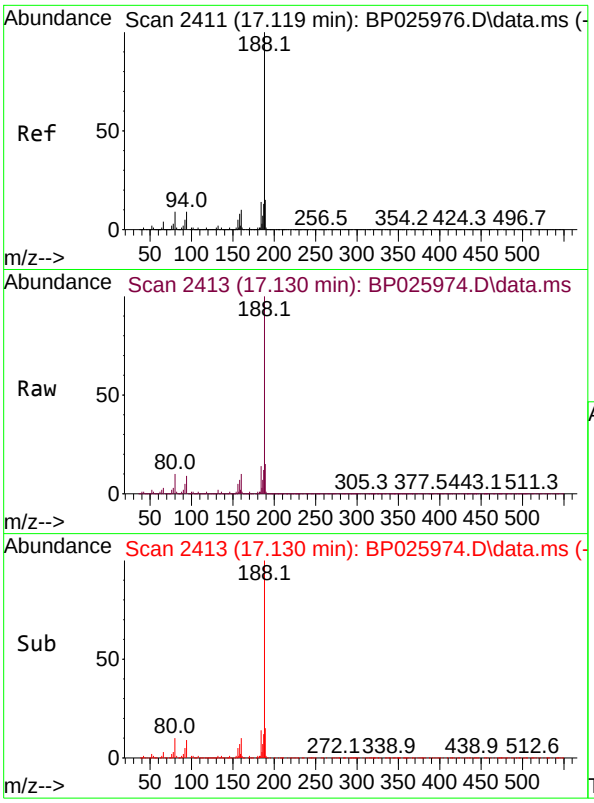


#63
Azobenzene
Concen: 8.856 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion: 77 Resp: 270264

Ion	Ratio	Lower	Upper
77	100		
182	24.7	6.6	46.6
105	21.1	1.3	41.3
51	29.7	10.1	50.1

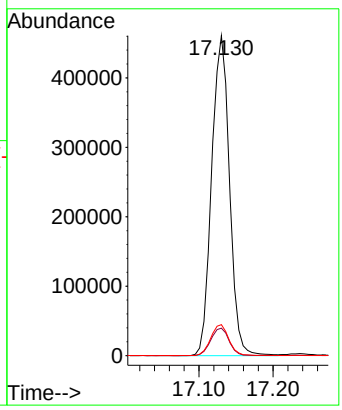




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.130 min Scan# 24
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:188 Resp: 76938

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.8	10.2
80	9.7	7.2	10.8



Instrument :
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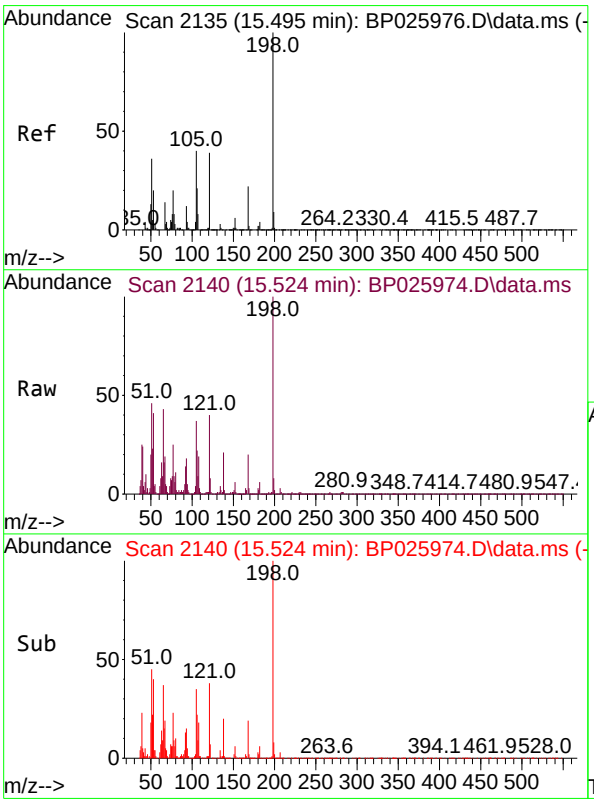
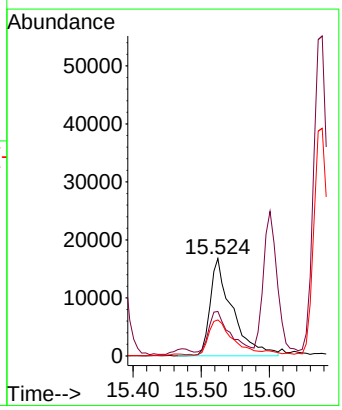
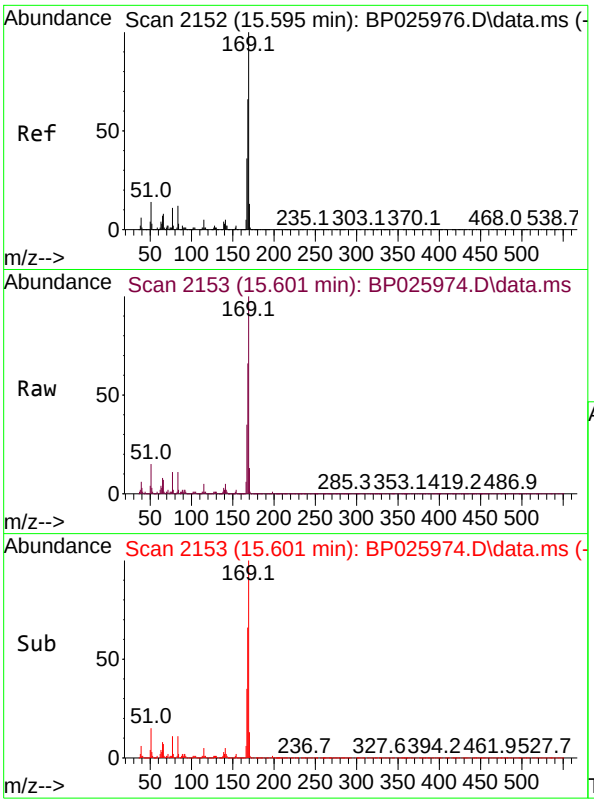


#65
4,6-Dinitro-2-methylphenol
Concen: 6.832 ng
RT: 15.524 min Scan# 2140
Delta R.T. 0.029 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:198 Resp: 37988

Ion	Ratio	Lower	Upper
198	100		
51	45.7	22.1	62.1
105	37.0	20.8	60.8

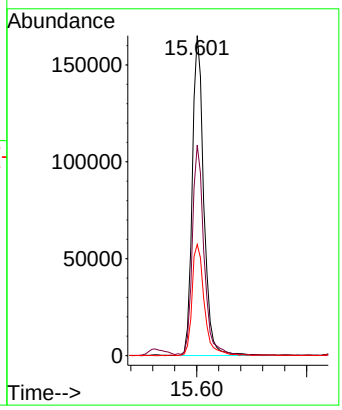




#66
n-Nitrosodiphenylamine
Concen: 9.687 ng
RT: 15.601 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:169 Resp: 23978

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.2	79.8
167	34.7	28.6	42.8



Instrument :
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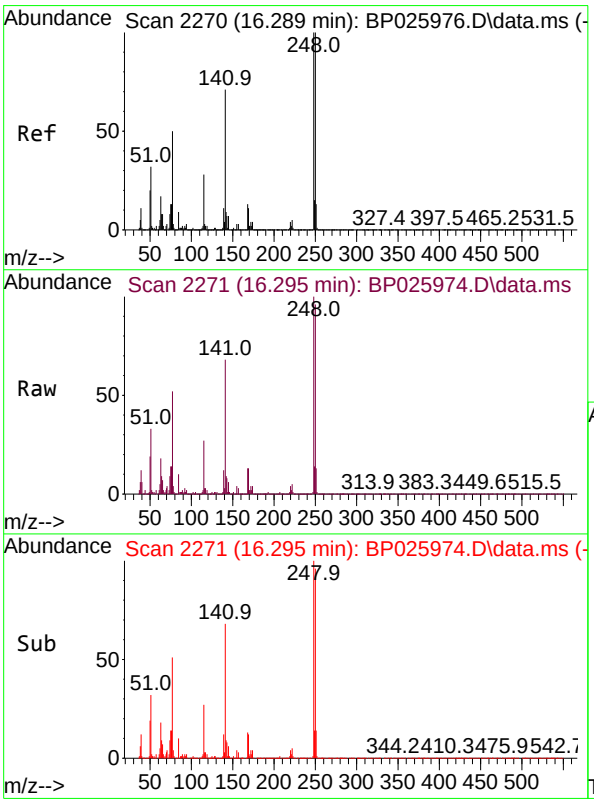
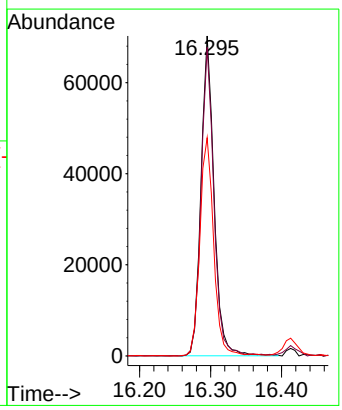
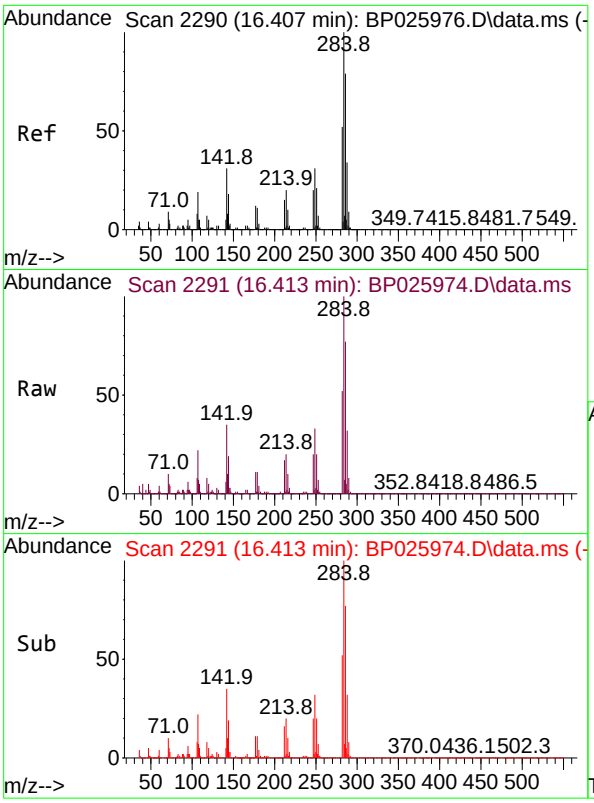


#67
4-Bromophenyl-phenylether
Concen: 9.403 ng
RT: 16.295 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:248 Resp: 89293

Ion	Ratio	Lower	Upper
248	100		
250	96.4	79.8	119.6
141	68.2	57.0	85.4

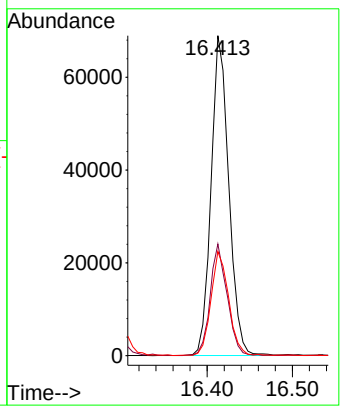




#68
Hexachlorobenzene
Concen: 9.316 ng
RT: 16.413 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:284 Resp: 9924

Ion	Ratio	Lower	Upper
284	100		
142	34.9	24.9	37.3
249	32.5	25.1	37.7



Instrument :
BNA_P
ClientSampleId :
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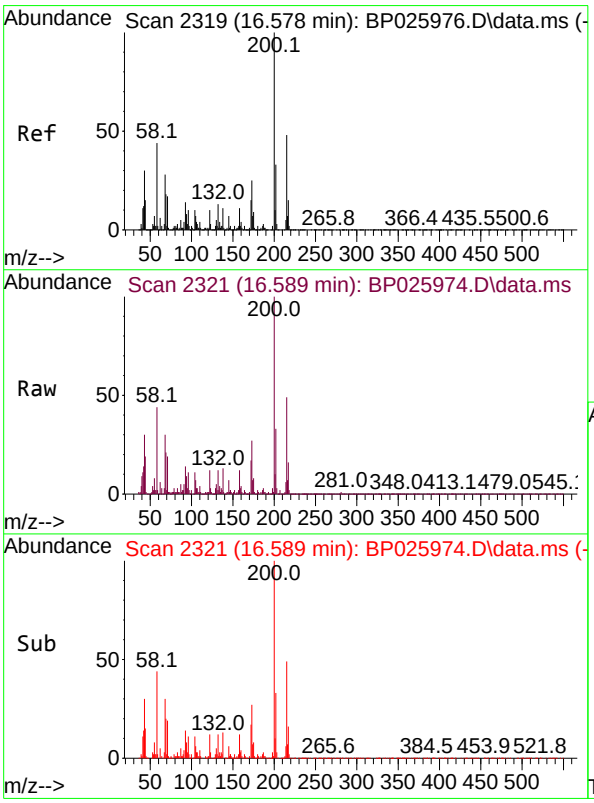
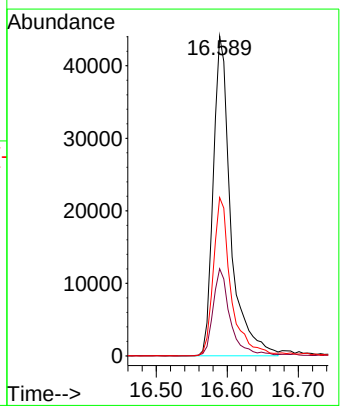
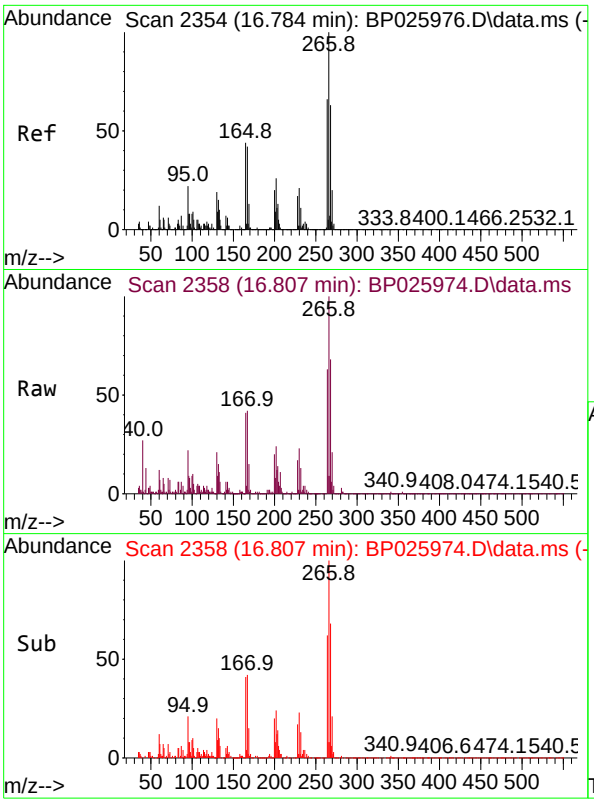


#69
Atrazine
Concen: 8.465 ng
RT: 16.589 min Scan# 2321
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:200 Resp: 75595

Ion	Ratio	Lower	Upper
200	100		
173	27.2	5.3	45.3
215	49.5	28.2	68.2

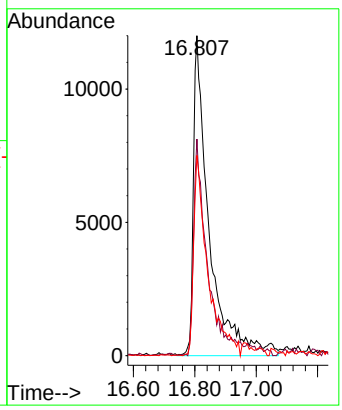




#70
Pentachlorophenol
Concen: 7.553 ng m
RT: 16.807 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:266 Resp: 4263

Ion	Ratio	Lower	Upper
266	100		
268	67.7	50.5	75.7
264	62.6	52.9	79.3



Instrument :
BNA_P
ClientSampleId :
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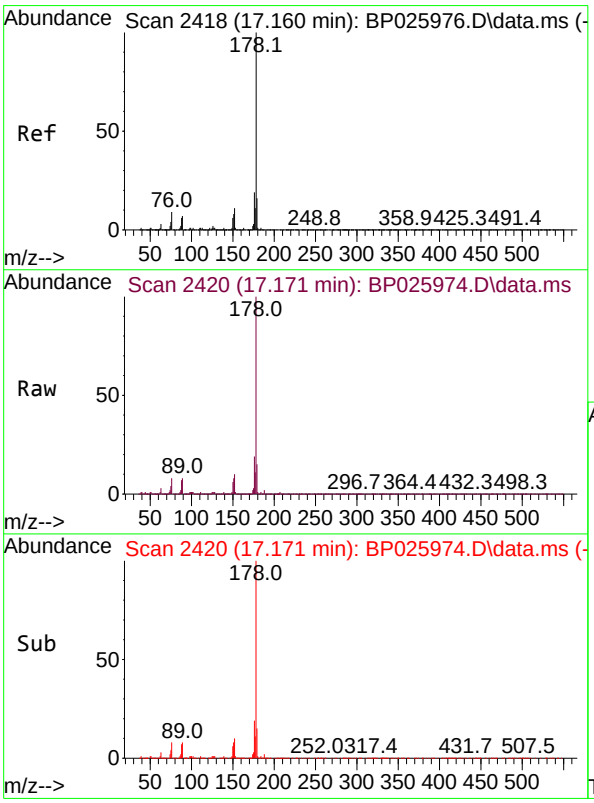
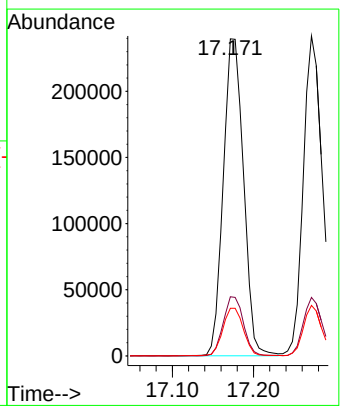
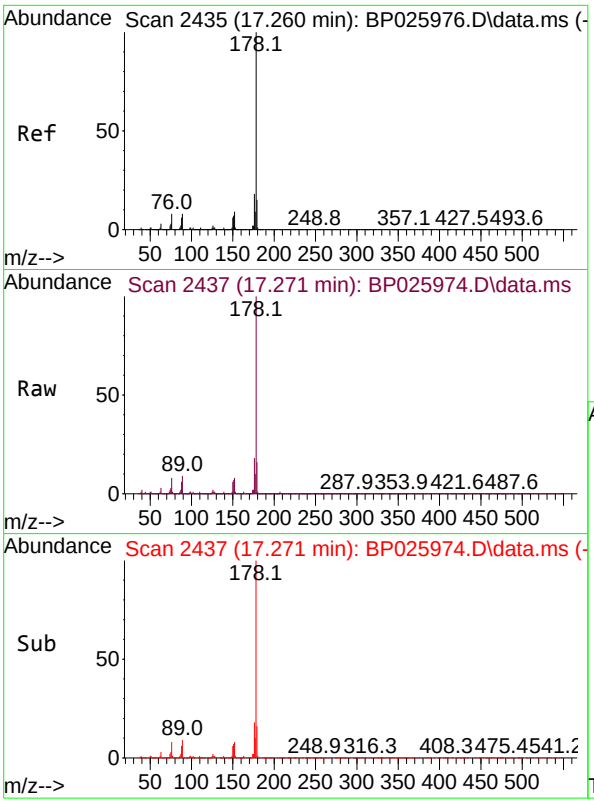


#71
Phenanthrene
Concen: 9.546 ng
RT: 17.171 min Scan# 2420
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:178 Resp: 416258

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	15.0	12.7	19.1

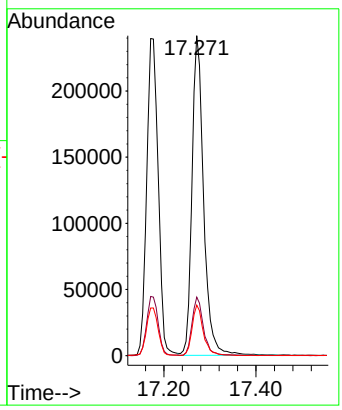




#72
Anthracene
Concen: 9.471 ng
RT: 17.271 min Scan# 24
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:178 Resp: 42188

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.8	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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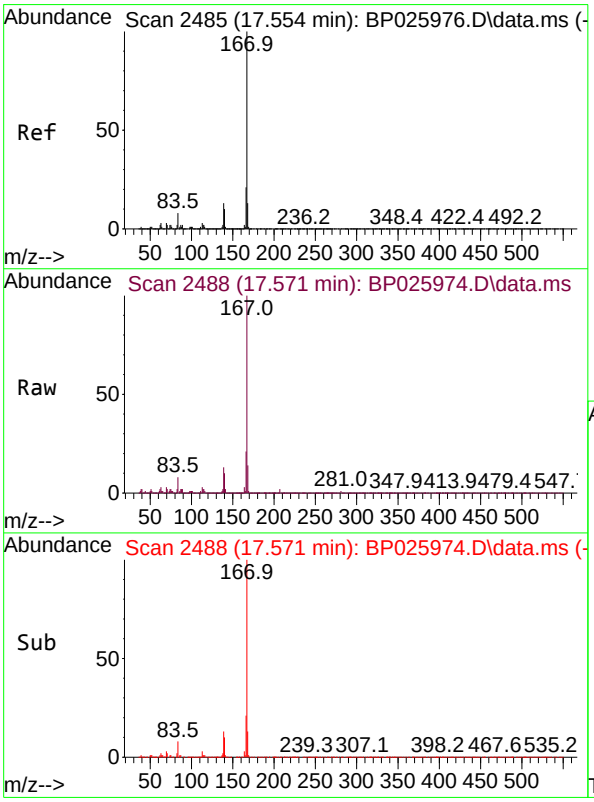
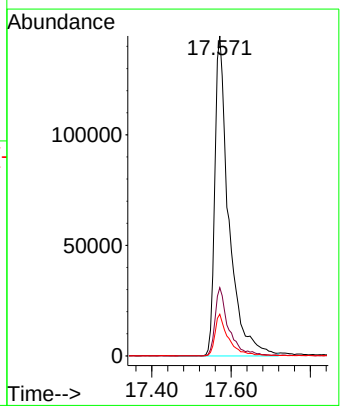
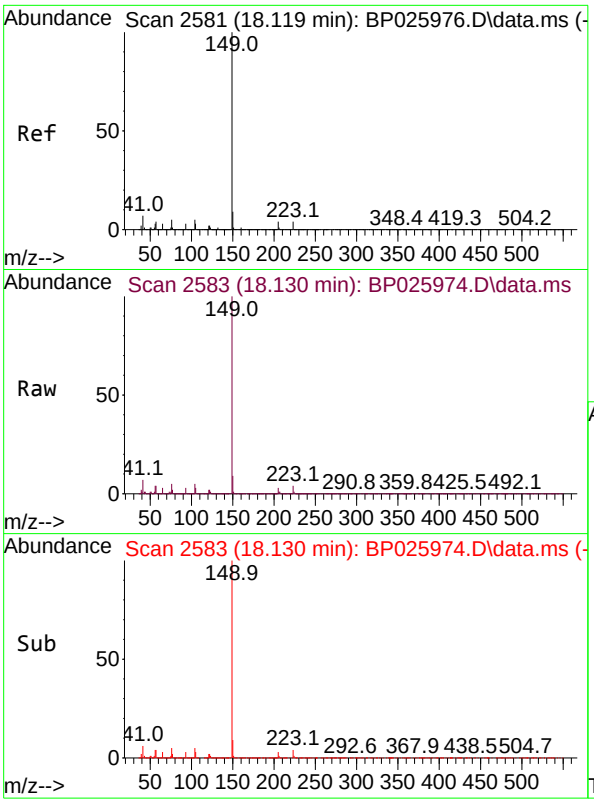


#73
Carbazole
Concen: 9.013 ng
RT: 17.571 min Scan# 2488
Delta R.T. 0.017 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:167 Resp: 353904

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.7	25.1
139	13.0	10.2	15.2

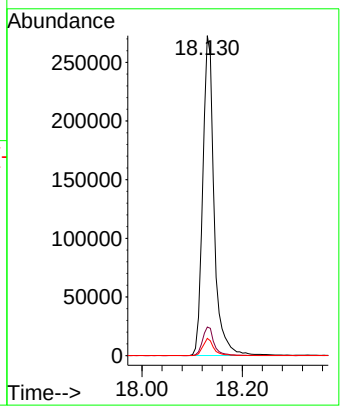




#74
Di-n-butylphthalate
Concen: 8.849 ng
RT: 18.130 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:149 Resp: 42762

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	5.4	4.1	6.1



Instrument :
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ClientSampleId :
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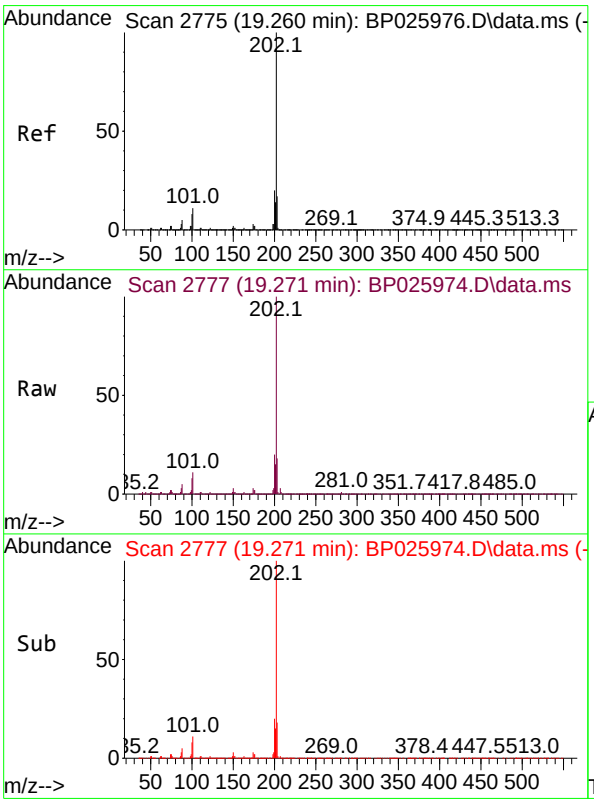
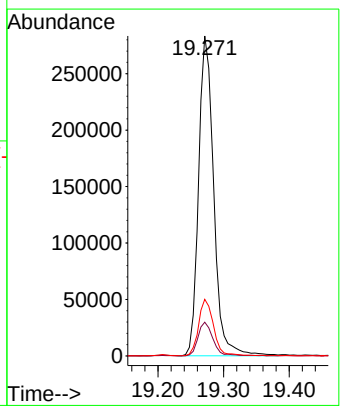
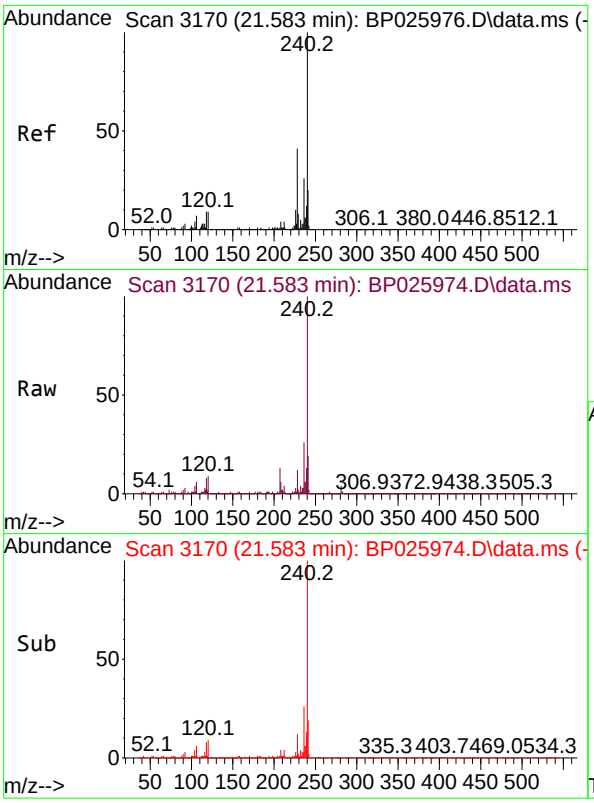


#75
Fluoranthene
Concen: 9.211 ng
RT: 19.271 min Scan# 2777
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:202 Resp: 453082

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.5
203	17.7	0.0	37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:240 Resp: 733944

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.4	11.0
236	25.6	20.4	30.6

Instrument :
BNA_P
ClientSampleId :
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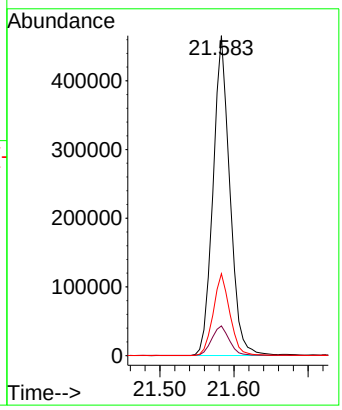
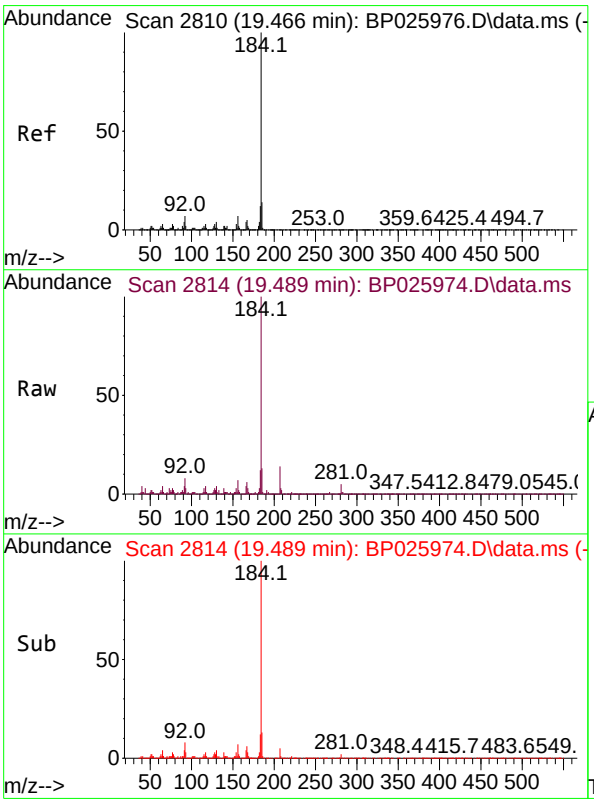
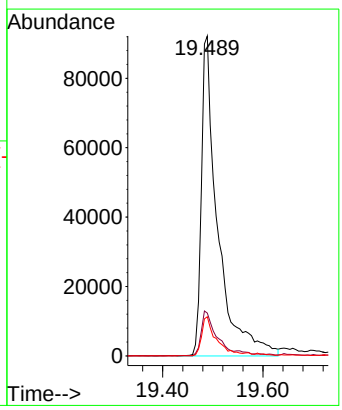


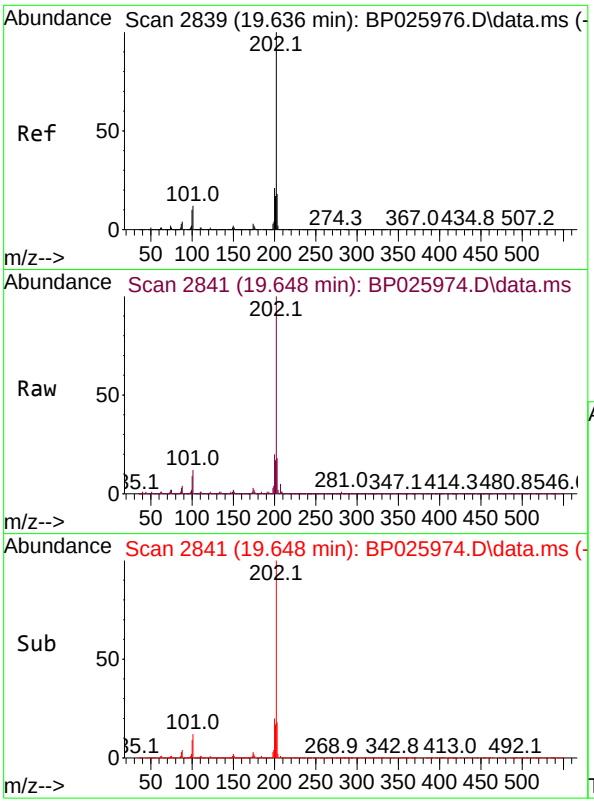


#77
Benzidine
Concen: 8.862 ng
RT: 19.489 min Scan# 2814
Delta R.T. 0.023 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:184 Resp: 208399

Ion	Ratio	Lower	Upper
184	100		
185	13.4	11.4	17.0
183	12.2	9.4	14.2





#78
Pyrene
Concen: 8.739 ng
RT: 19.648 min Scan# 28
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:202 Resp: 473043

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.6	25.0
203	17.6	14.1	21.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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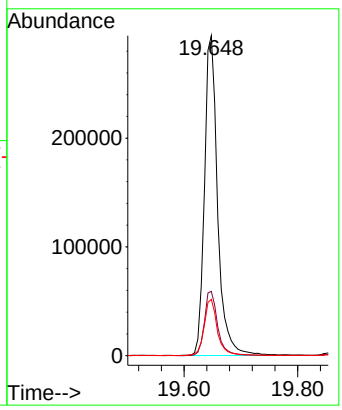
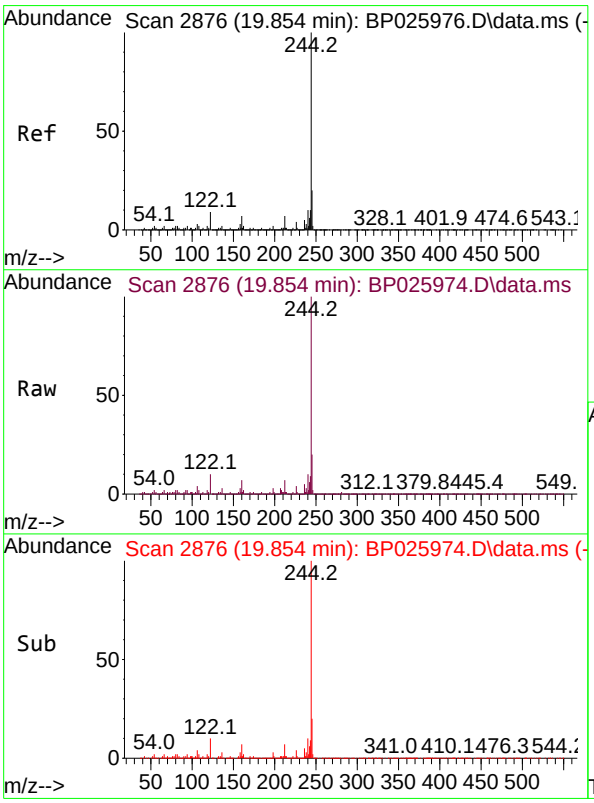
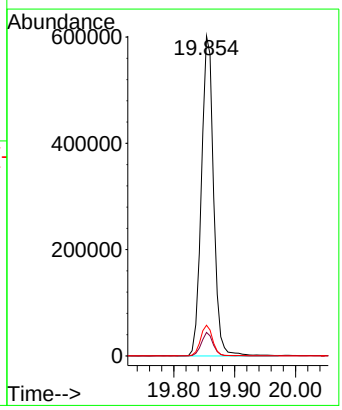


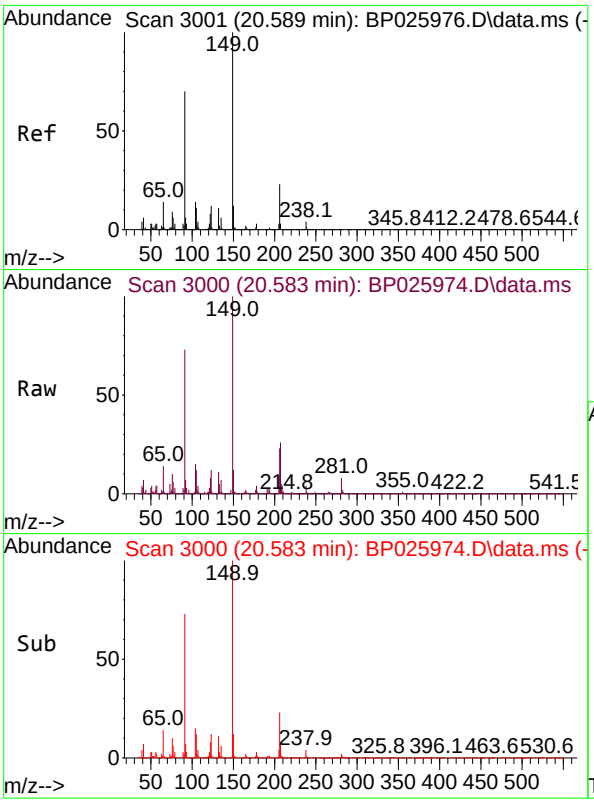


#79
Terphenyl-d14
Concen: 18.133 ng
RT: 19.854 min Scan# 2876
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:244 Resp: 832744

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	9.6	7.1	10.7

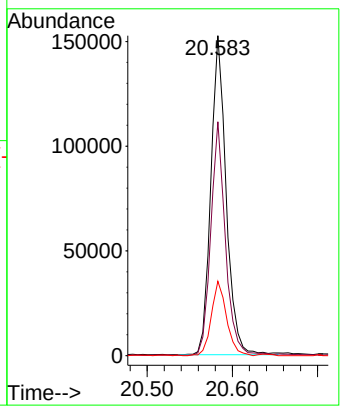




#80
Butylbenzylphthalate
Concen: 8.847 ng
RT: 20.583 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:149 Resp: 19059

Ion	Ratio	Lower	Upper
149	100		
91	73.1	56.0	84.0
206	23.2	18.6	27.8



Instrument :
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ClientSampleId :
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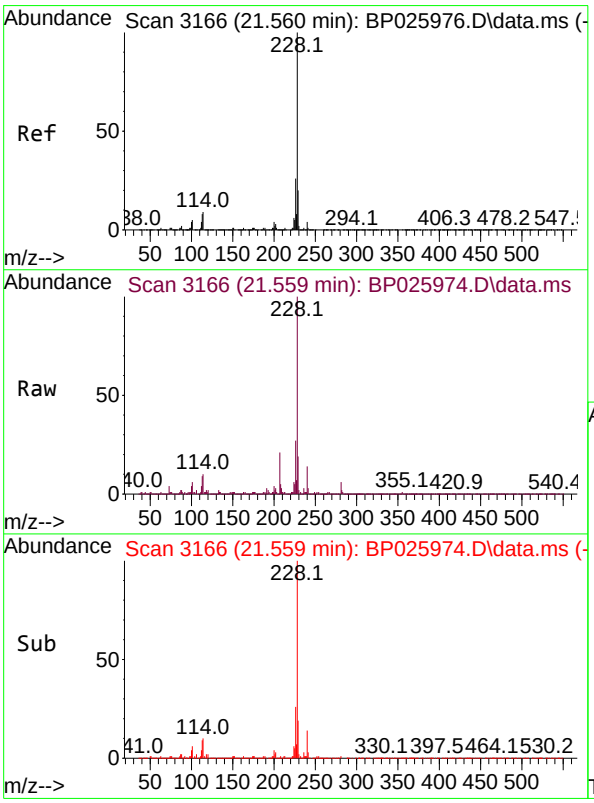
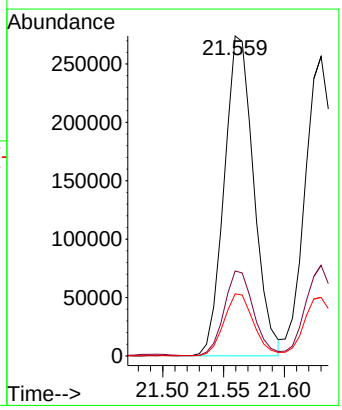
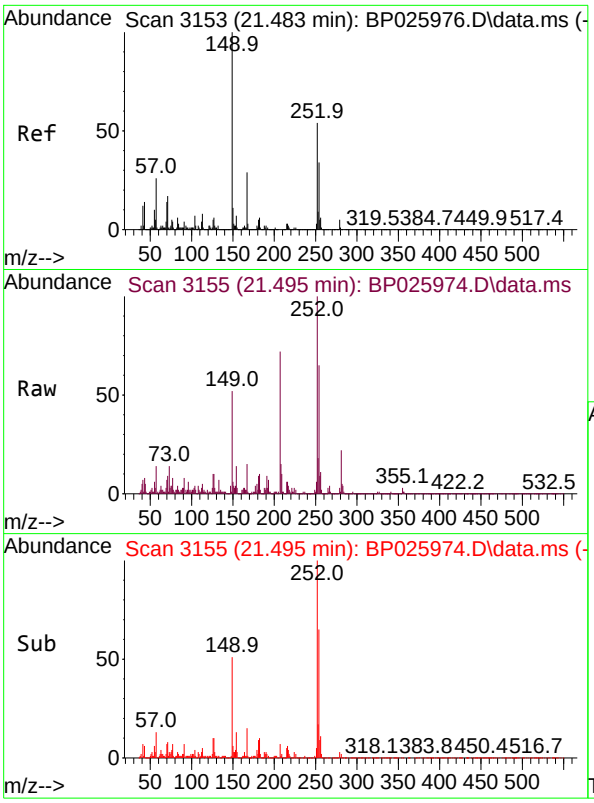


#81
Benzo(a)anthracene
Concen: 9.202 ng
RT: 21.559 min Scan# 3166
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:228 Resp: 461908

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.0	31.6
229	19.4	15.7	23.5





#82
3,3'-Dichlorobenzidine
Concen: 9.506 ng
RT: 21.495 min Scan# 3
Delta R.T. 0.011 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:252 Resp: 16981

Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.6	75.8
126	9.9	8.0	12.0

Instrument :
BNA_P
ClientSampleId :
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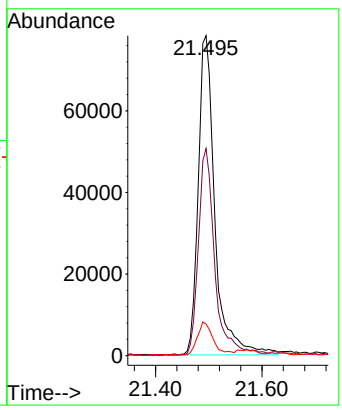
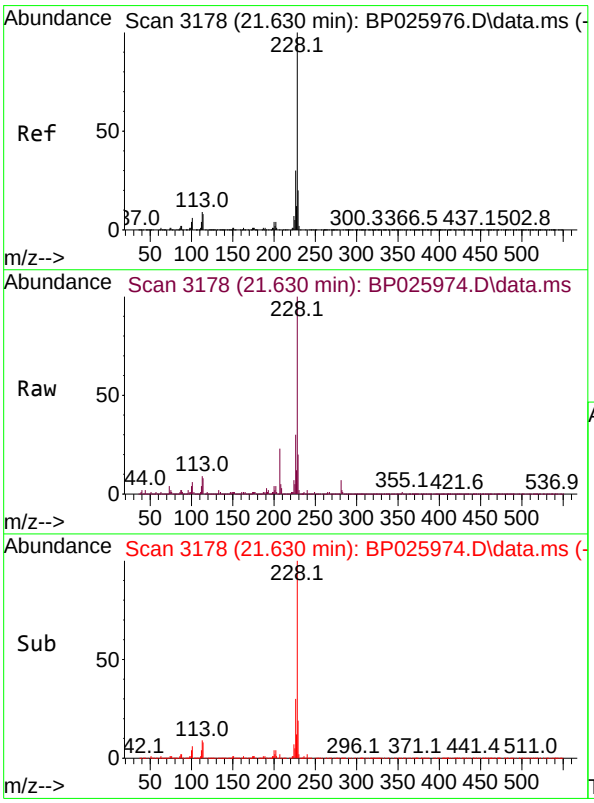
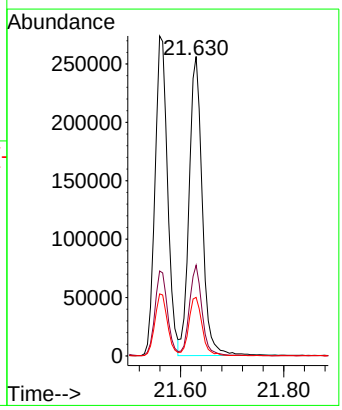


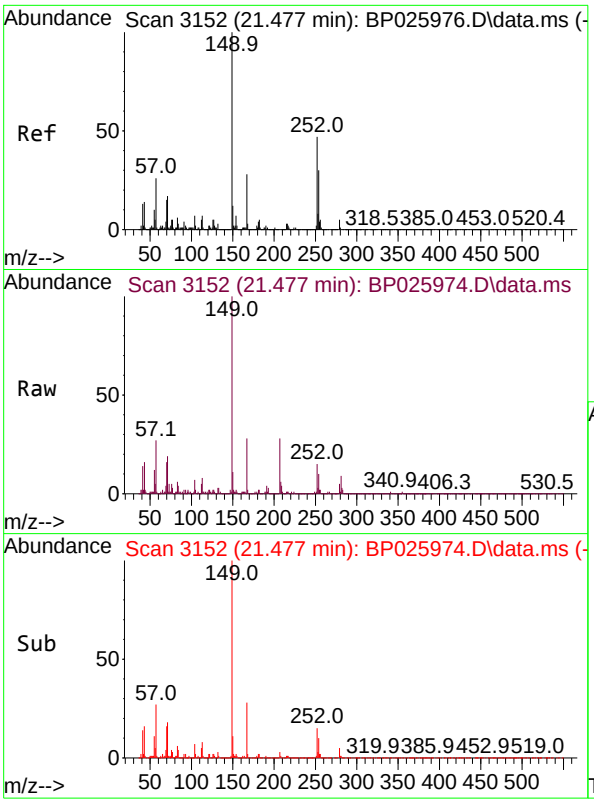


#83
Chrysene
Concen: 9.425 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:228 Resp: 452375

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.5	35.3
229	19.5	15.6	23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 9.708 ng
RT: 21.477 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:149 Resp: 28870

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.8	34.2
279	4.9	3.8	5.8

Instrument :
BNA_P
ClientSampleId :
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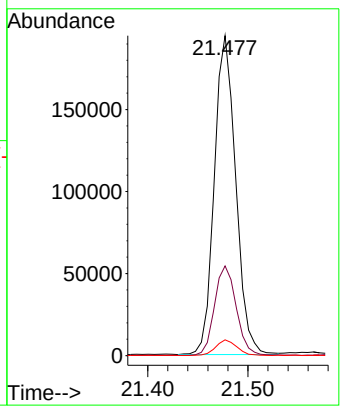
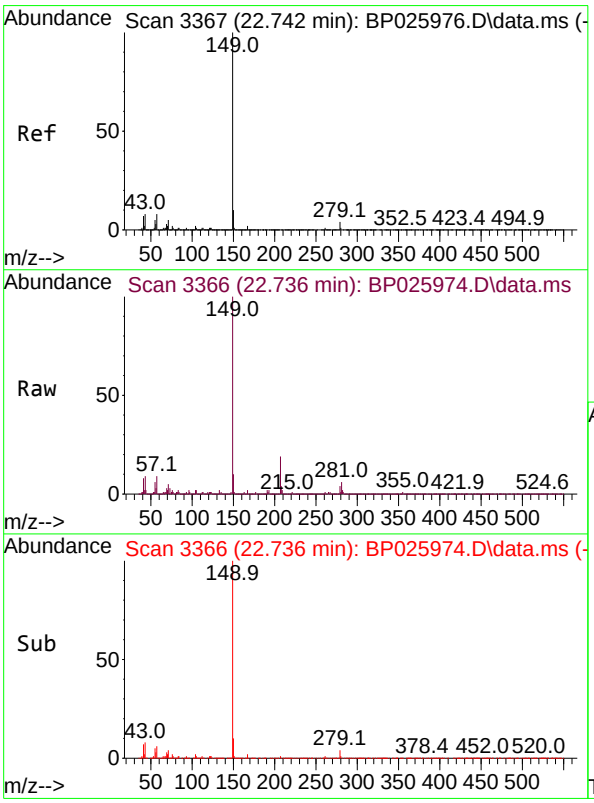
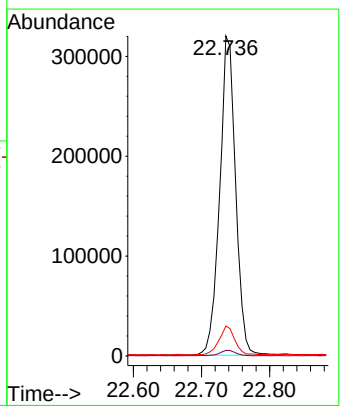


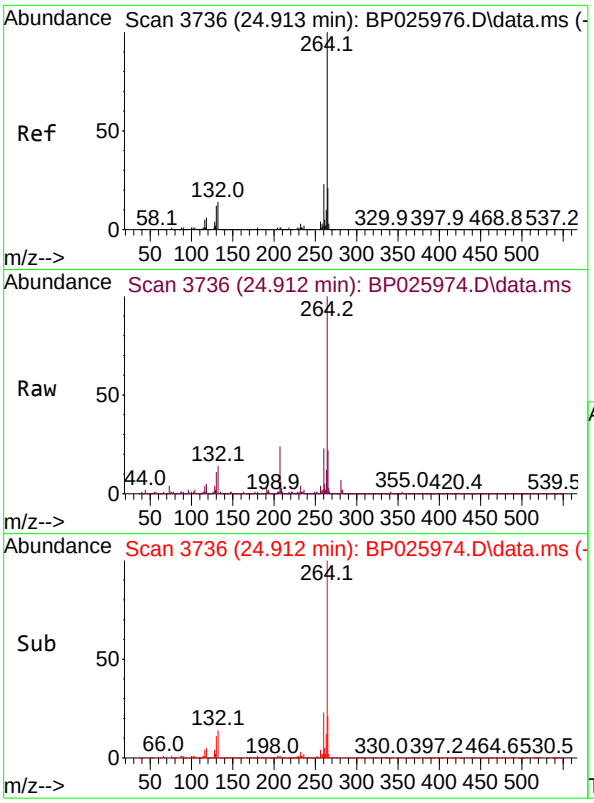


#85
Di-n-octyl phthalate
Concen: 10.188 ng
RT: 22.736 min Scan# 3366
Delta R.T. -0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:149 Resp: 517359

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	9.1	7.2	10.8

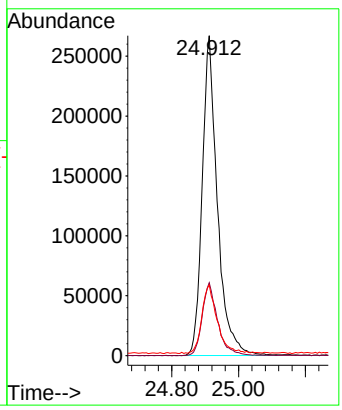




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.912 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:264 Resp: 83852

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.4	27.6
265	22.1	17.7	26.5



Instrument :
BNA_P
ClientSampleId :
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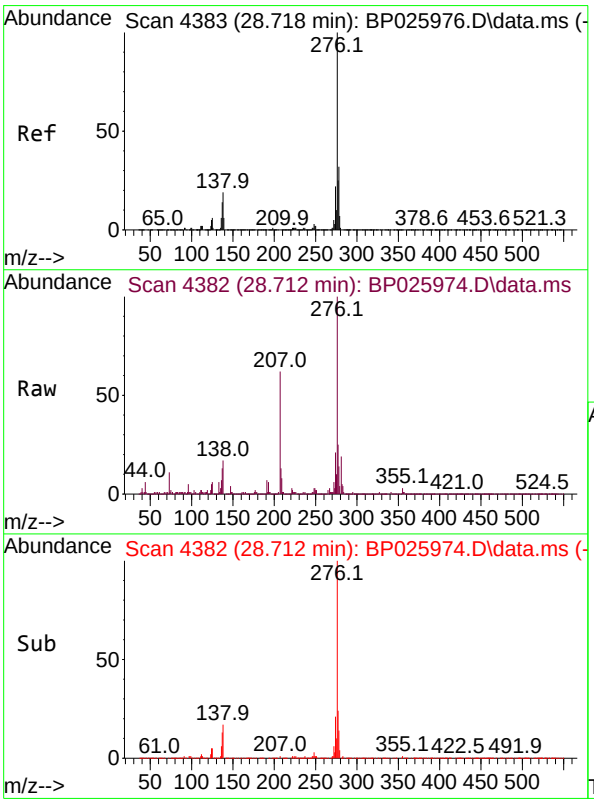
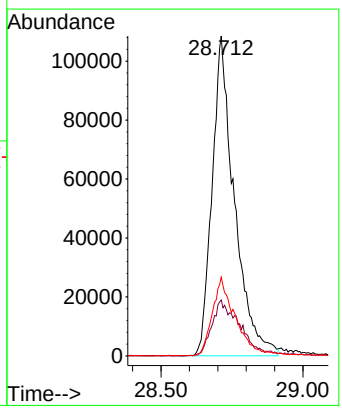
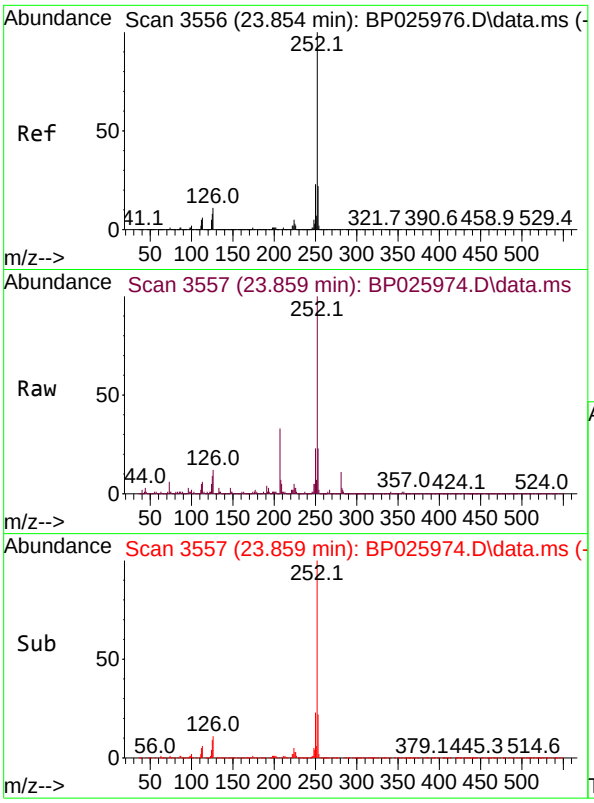


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.342 ng
RT: 28.712 min Scan# 4382
Delta R.T. -0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:276 Resp: 590110

Ion	Ratio	Lower	Upper
276	100		
138	21.3	17.4	26.0
277	24.8	20.3	30.5

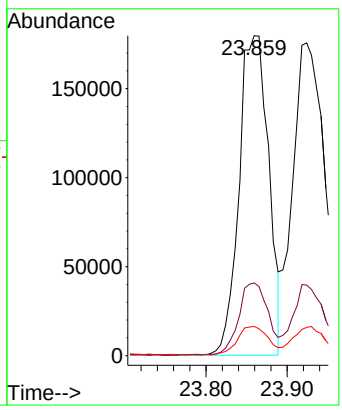




#88
Benzo(b)fluoranthene
Concen: 8.714 ng
RT: 23.859 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:252 Resp: 45505

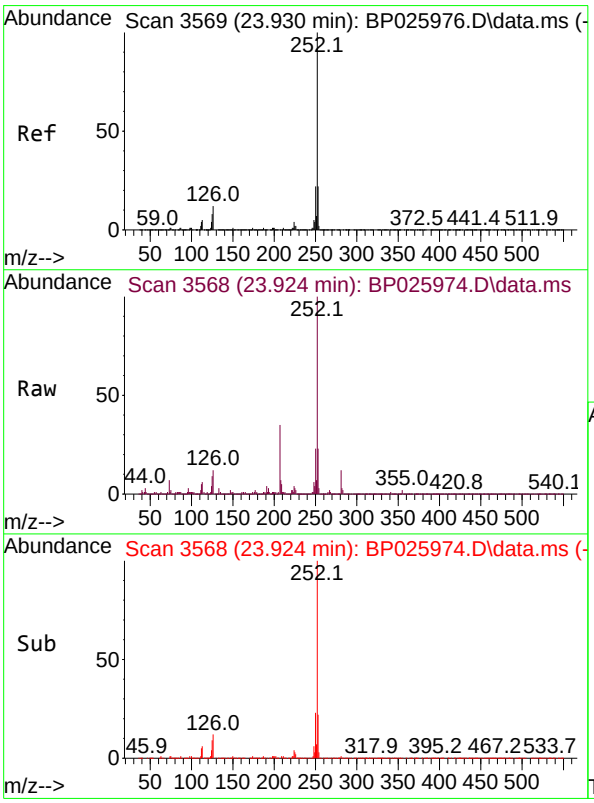
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	9.2	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

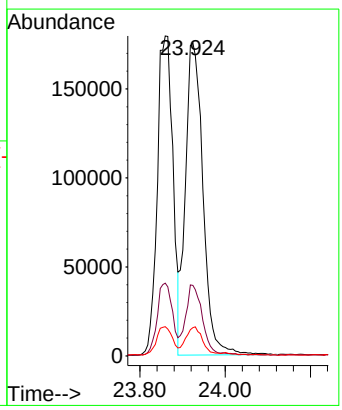
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

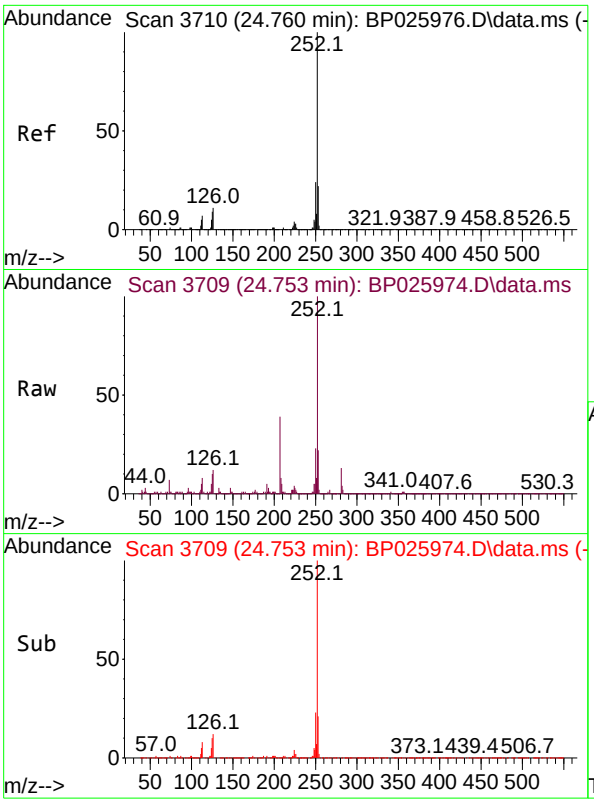


#89
Benzo(k)fluoranthene
Concen: 9.495 ng
RT: 23.924 min Scan# 3568
Delta R.T. -0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:252 Resp: 503251

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	9.0	6.6	10.0

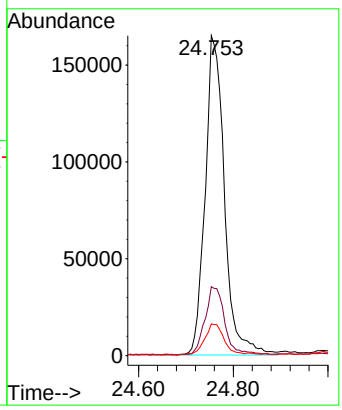




#90
Benzo(a)pyrene
Concen: 9.207 ng
RT: 24.753 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:252 Resp: 46715

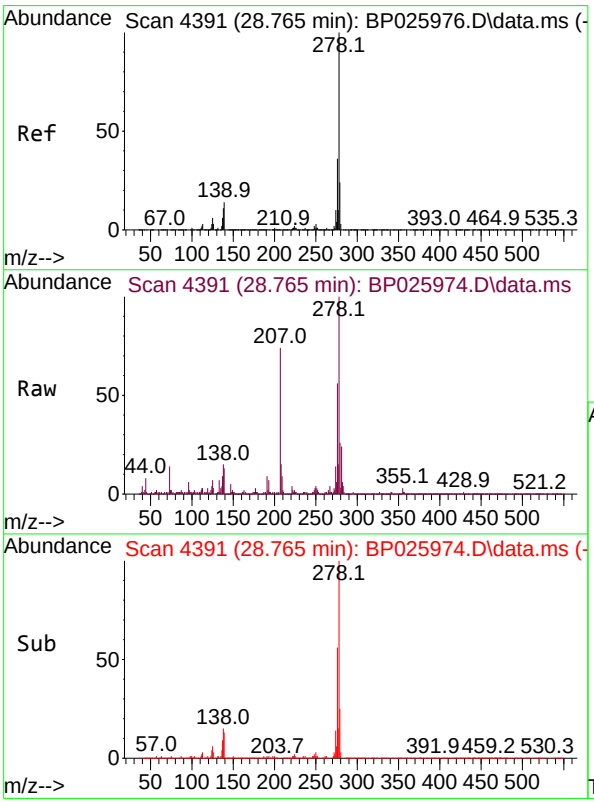
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	9.9	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

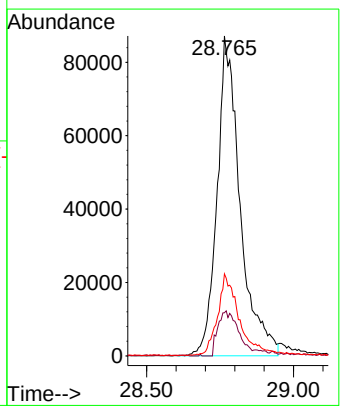
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

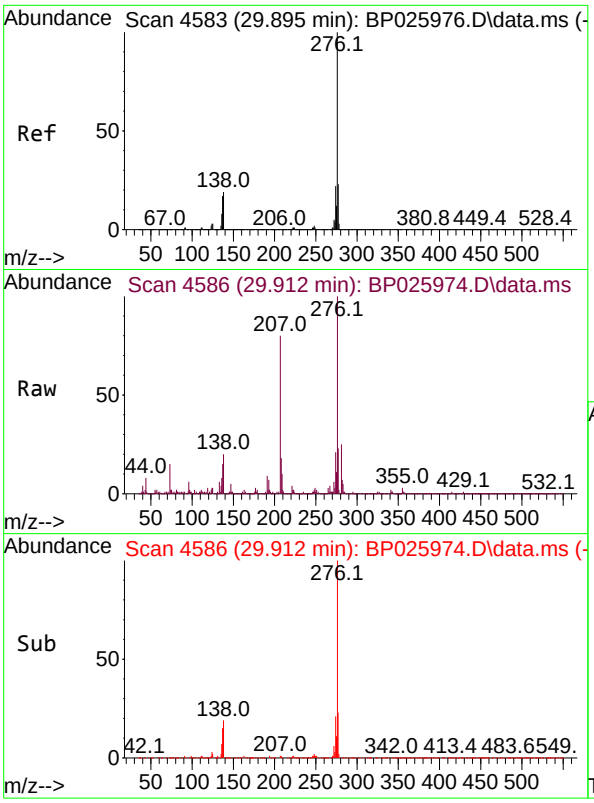


#91
Dibenzo(a,h)anthracene
Concen: 9.214 ng
RT: 28.765 min Scan# 4391
Delta R.T. -0.000 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:278 Resp: 474460

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.9	16.3
279	25.6	19.5	29.3

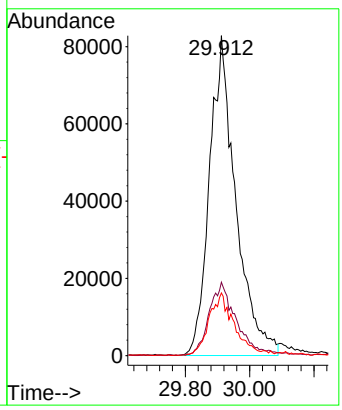




#92
Benzo(g,h,i)perylene
Concen: 9.315 ng
RT: 29.912 min Scan# 4
Delta R.T. 0.017 min
Lab File: BP025974.D
Acq: 15 Oct 2025 13:07

Tgt Ion:276 Resp: 46993

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	19.6	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025975.D
Acq On : 15 Oct 2025 13:48
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Oct 15 23:08:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.696	152	161355	20.000	ng		0.00
21) Naphthalene-d8	10.460	136	727477	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	517182	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1051972	20.000	ng		0.00
76) Chrysene-d12	21.566	240	1045159	20.000	ng		-0.02
86) Perylene-d12	24.913	264	933557	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.343	112	422487	42.929	ng		0.00
7) Phenol-d6	6.914	99	599490	43.649	ng		0.00
23) Nitrobenzene-d5	8.849	82	698296	43.145	ng		0.00
42) 2,4,6-Tribromophenol	15.837	330	308153	44.259	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	1739369	43.107	ng		0.00
79) Terphenyl-d14	19.854	244	2798303	42.790	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.249	88	83387	21.390	ng		99
3) Pyridine	3.655	79	231346	21.266	ng		99
4) n-Nitrosodimethylamine	3.567	42	100117	21.000	ng		98
6) Aniline	7.043	93	404184	21.982	ng		98
8) 2-Chlorophenol	7.284	128	245548	21.529	ng		97
9) Benzaldehyde	6.866	77	138236	18.862	ng		99
10) Phenol	6.937	94	306803	22.125	ng		99
11) bis(2-Chloroethyl)ether	7.131	93	250708	22.173	ng		99
12) 1,3-Dichlorobenzene	7.590	146	271225	21.449	ng		98
13) 1,4-Dichlorobenzene	7.731	146	278453	21.613	ng		98
14) 1,2-Dichlorobenzene	8.049	146	270834	21.489	ng		100
15) Benzyl Alcohol	7.955	79	247943	21.210	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.213	45	381401	21.905	ng		99
17) 2-Methylphenol	8.161	107	215980	21.730	ng		98
18) Hexachloroethane	8.760	117	103942	21.142	ng		97
19) n-Nitroso-di-n-propyla...	8.496	70	229997	23.491	ng		98
20) 3+4-Methylphenols	8.496	107	298105	21.526	ng		94
22) Acetophenone	8.519	105	430385	21.762	ng	#	98
24) Nitrobenzene	8.890	77	309739	21.520	ng		98
25) Isophorone	9.413	82	635521	21.863	ng		99
26) 2-Nitrophenol	9.596	139	149293	21.419	ng		99
27) 2,4-Dimethylphenol	9.666	122	252982	21.418	ng		96
28) bis(2-Chloroethoxy)met...	9.878	93	373713	21.977	ng		97
29) 2,4-Dichlorophenol	10.160	162	253688	21.555	ng		99
30) 1,2,4-Trichlorobenzene	10.331	180	277391	20.819	ng		97
31) Naphthalene	10.513	128	840869	21.427	ng		100
32) Benzoic acid	9.855	122	158678	18.503	ng		99
33) 4-Chloroaniline	10.649	127	369506	22.172	ng		97
34) Hexachlorobutadiene	10.790	225	183545	20.815	ng		99
35) Caprolactam	11.449	113	93714	22.376	ng		91
36) 4-Chloro-3-methylphenol	11.790	107	309700	22.414	ng		95
37) 2-Methylnaphthalene	12.125	142	564023	21.952	ng		98
38) 1-Methylnaphthalene	12.343	142	595916	21.988	ng		99
40) 1,2,4,5-Tetrachloroben...	12.496	216	350930	20.838	ng		100
41) Hexachlorocyclopentadiene	12.466	237	148790	19.363	ng		99
43) 2,4,6-Trichlorophenol	12.760	196	226681	21.206	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025975.D
Acq On : 15 Oct 2025 13:48
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Oct 15 23:08:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.860	196	245055	21.053	ng		99
46) 1,1'-Biphenyl	13.137	154	825588	21.132	ng		99
47) 2-Chloronaphthalene	13.184	162	646721	21.172	ng		100
48) 2-Nitroaniline	13.407	65	210263	22.086	ng		99
49) Acenaphthylene	14.037	152	1067380	21.611	ng		99
50) Dimethylphthalate	13.772	163	869280	22.237	ng		99
51) 2,6-Dinitrotoluene	13.901	165	188359	22.316	ng		98
52) Acenaphthene	14.384	154	616090	21.601	ng		99
53) 3-Nitroaniline	14.248	138	189200	22.776	ng		98
54) 2,4-Dinitrophenol	14.484	184	99515	21.609	ng		96
55) Dibenzofuran	14.725	168	1000566	21.909	ng		100
56) 4-Nitrophenol	14.648	139	77058	15.115	ng		95
57) 2,4-Dinitrotoluene	14.713	165	266298	23.285	ng		98
58) Fluorene	15.384	166	814484	22.195	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.978	232	227413	21.773	ng		99
60) Diethylphthalate	15.148	149	876581	22.743	ng		98
61) 4-Chlorophenyl-phenyle...	15.372	204	422031	21.870	ng		98
62) 4-Nitroaniline	15.437	138	177470	23.183	ng		98
63) Azobenzene	15.678	77	808398	22.502	ng		99
65) 4,6-Dinitro-2-methylph...	15.495	198	157990	20.780	ng		98
66) n-Nitrosodiphenylamine	15.595	169	729283	21.547	ng		99
67) 4-Bromophenyl-phenylether	16.290	248	269668	20.769	ng		99
68) Hexachlorobenzene	16.413	284	305226	20.954	ng		98
69) Atrazine	16.578	200	274993	22.522	ng		99
70) Pentachlorophenol	16.795	266	158644	20.557	ng		97
71) Phenanthrene	17.166	178	1292359	21.676	ng		99
72) Anthracene	17.266	178	1325791	21.769	ng		99
73) Carbazole	17.560	167	1216069	22.651	ng		99
74) Di-n-butylphthalate	18.131	149	1498847	22.685	ng		100
75) Fluoranthene	19.266	202	1534276	22.813	ng		98
77) Benzidine	19.472	184	589867	17.614	ng		97
78) Pyrene	19.642	202	1594148	20.680	ng		100
80) Butylbenzylphthalate	20.578	149	649727	21.180	ng		98
81) Benzo(a)anthracene	21.542	228	1517268	21.226	ng		100
82) 3,3'-Dichlorobenzidine	21.483	252	523671	20.586	ng		99
83) Chrysene	21.619	228	1470594	21.516	ng		100
84) Bis(2-ethylhexyl)phtha...	21.477	149	857470	20.248	ng		99
85) Di-n-octyl phthalate	22.736	149	1322295	18.286	ng		99
87) Indeno(1,2,3-cd)pyrene	28.701	276	1283190	18.247	ng	#	94
88) Benzo(b)fluoranthene	23.842	252	1309602	22.524	ng		99
89) Benzo(k)fluoranthene	23.919	252	1321543	22.397	ng		99
90) Benzo(a)pyrene	24.736	252	1197223	21.193	ng		100
91) Dibenzo(a,h)anthracene	28.765	278	1040493	18.150	ng		99
92) Benzo(g,h,i)perylene	29.889	276	1003512	17.866	ng		98

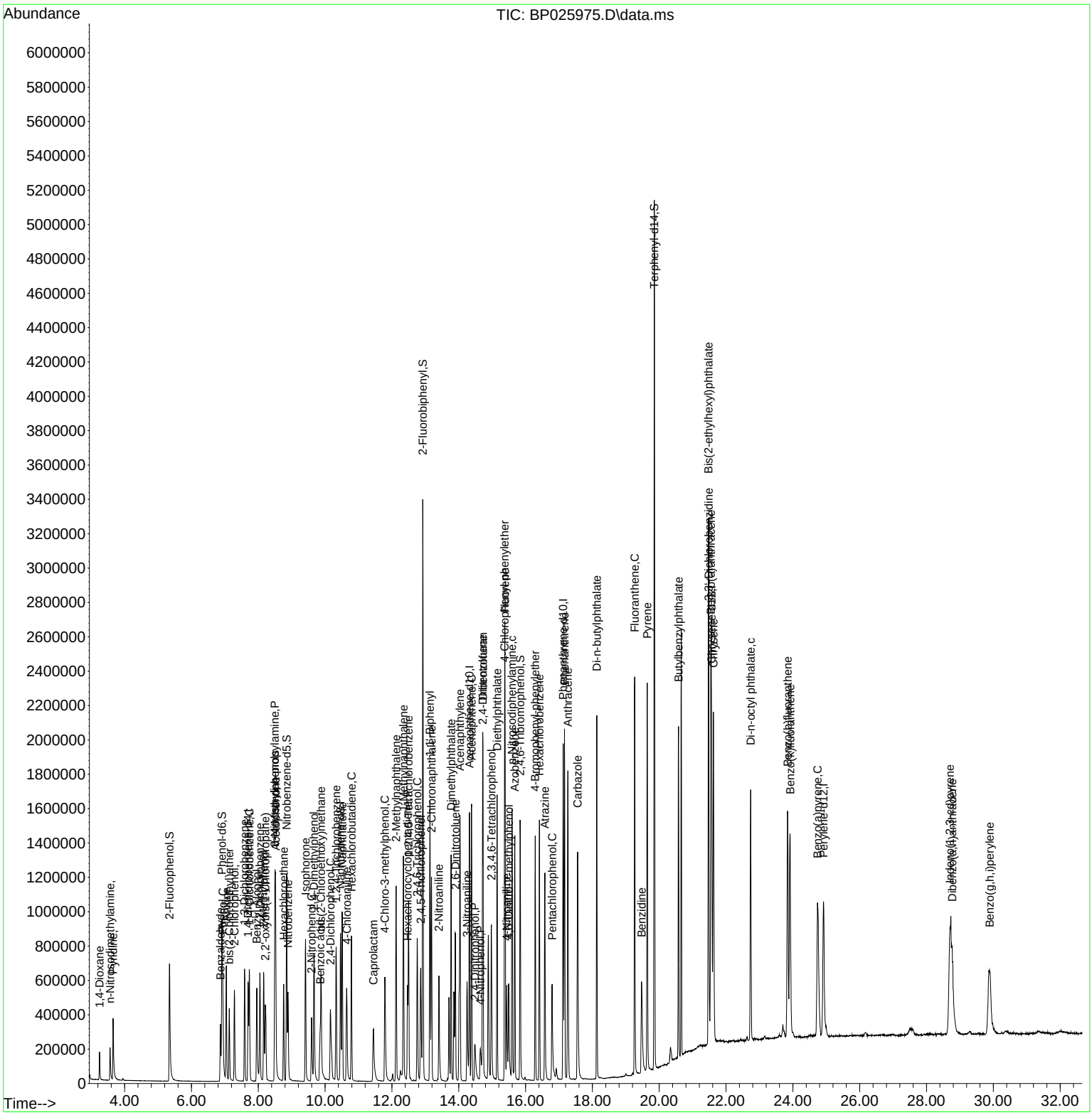
(#) = qualifier out of range (m) = manual integration (+) = signals summed

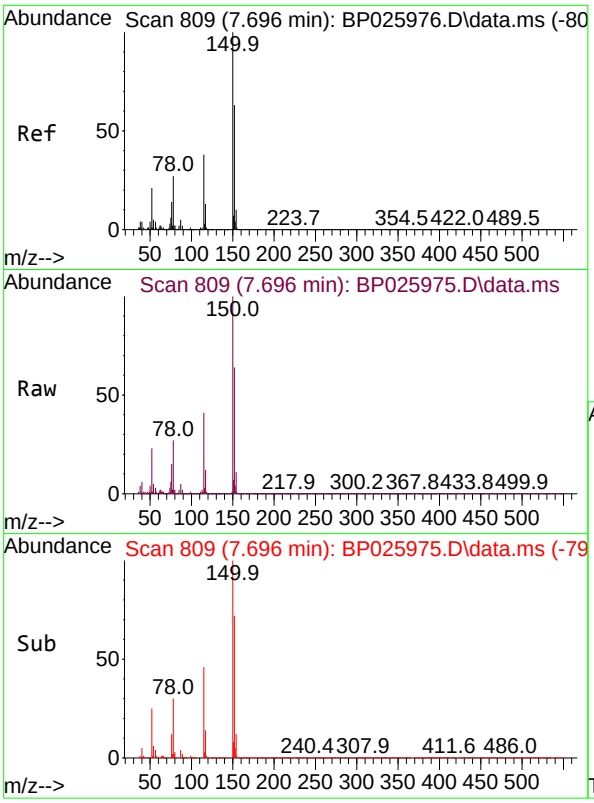
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025975.D
Acq On : 15 Oct 2025 13:48
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Oct 15 23:08:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration



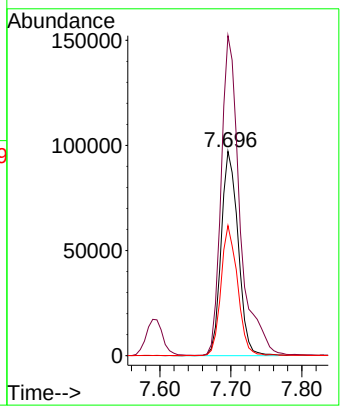


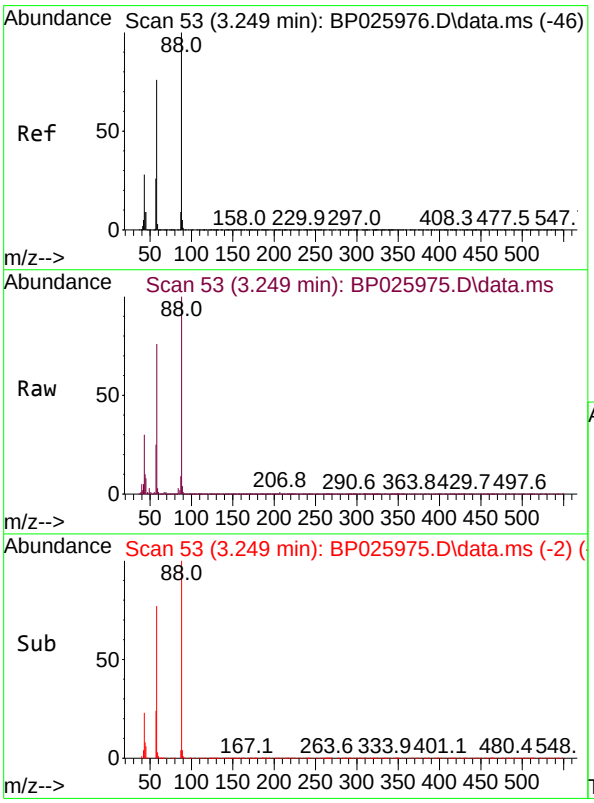
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.696 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 161355

Ion	Ratio	Lower	Upper
152	100		
150	156.6	127.3	190.9
115	63.7	48.7	73.1

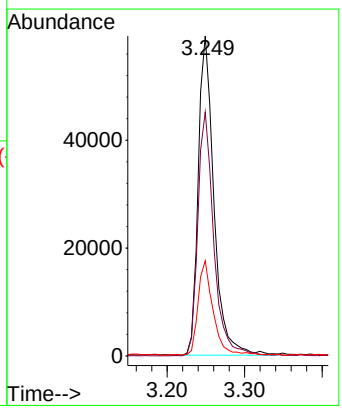


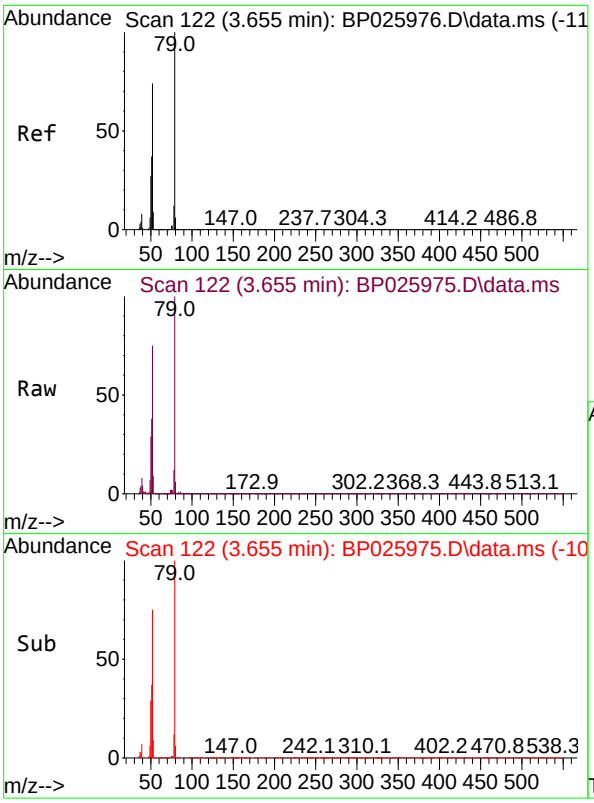


#2
1,4-Dioxane
Concen: 21.390 ng
RT: 3.249 min Scan# 53
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion: 88 Resp: 83387

Ion	Ratio	Lower	Upper
88	100		
58	77.7	61.9	92.9
43	28.7	22.6	33.8



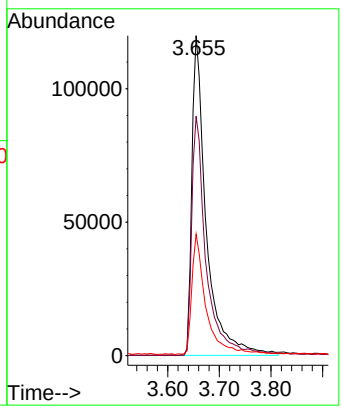


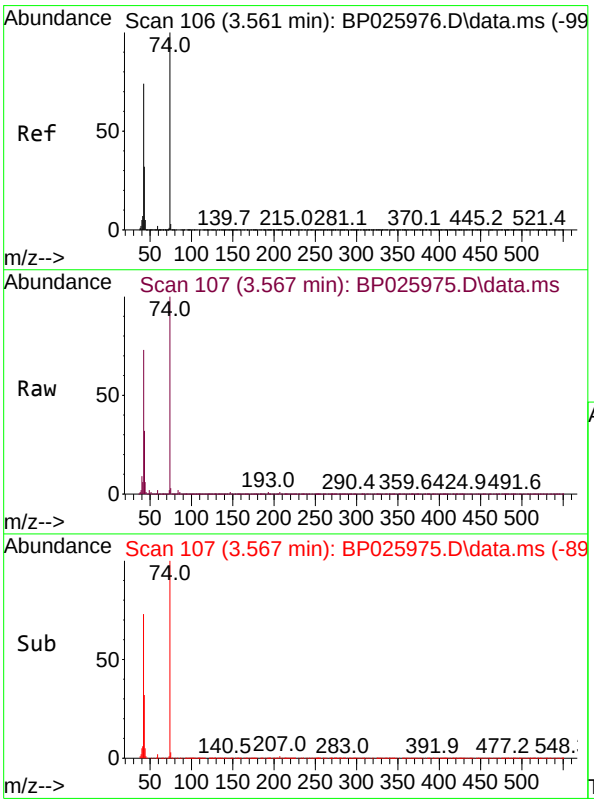
#3
Pyridine
Concen: 21.266 ng
RT: 3.655 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 231346

Ion	Ratio	Lower	Upper
79	100		
52	74.8	59.0	88.4
51	38.0	29.5	44.3

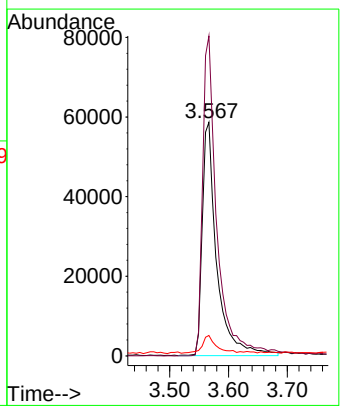


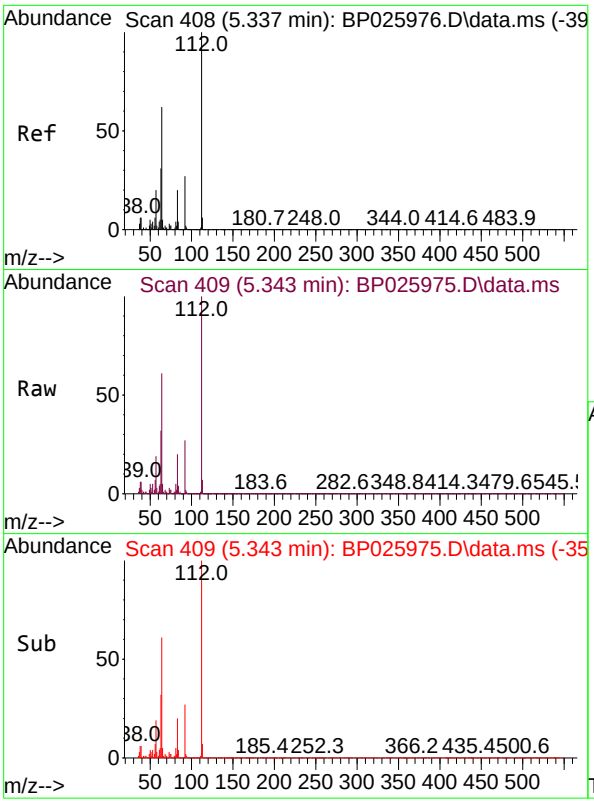


#4
n-Nitrosodimethylamine
Concen: 21.000 ng
RT: 3.567 min Scan# 107
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion: 42 Resp: 100117

Ion	Ratio	Lower	Upper
42	100		
74	137.1	107.4	161.0
44	8.8	6.0	9.0



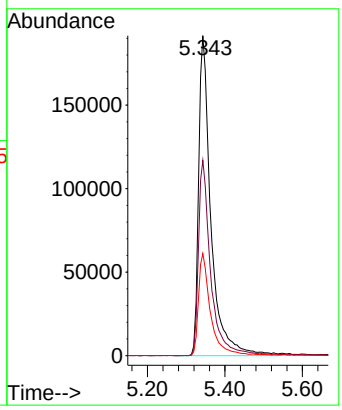


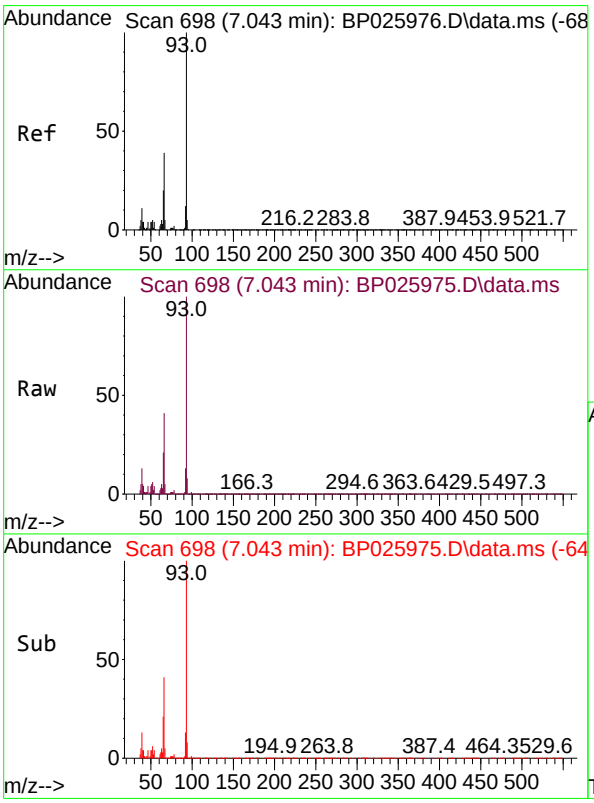
#5
2-Fluorophenol
Concen: 42.929 ng
RT: 5.343 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 422487

Ion	Ratio	Lower	Upper
112	100		
64	61.0	49.9	74.9
63	32.0	24.9	37.3

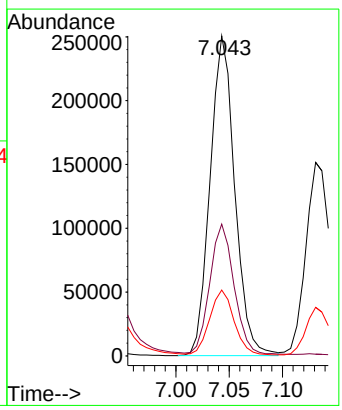


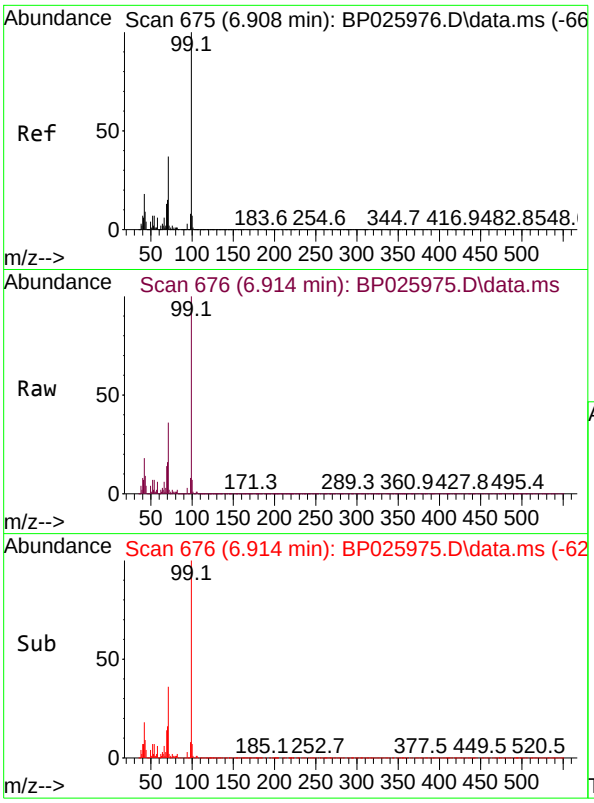


#6
Aniline
Concen: 21.982 ng
RT: 7.043 min Scan# 698
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion: 93 Resp: 404184

Ion	Ratio	Lower	Upper
93	100		
66	41.2	31.8	47.8
65	20.6	16.3	24.5



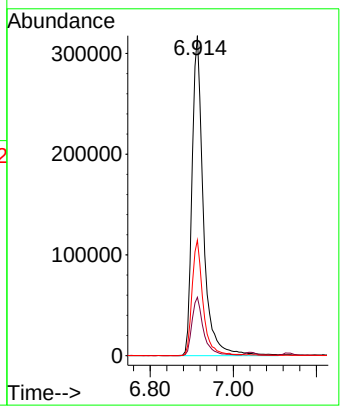


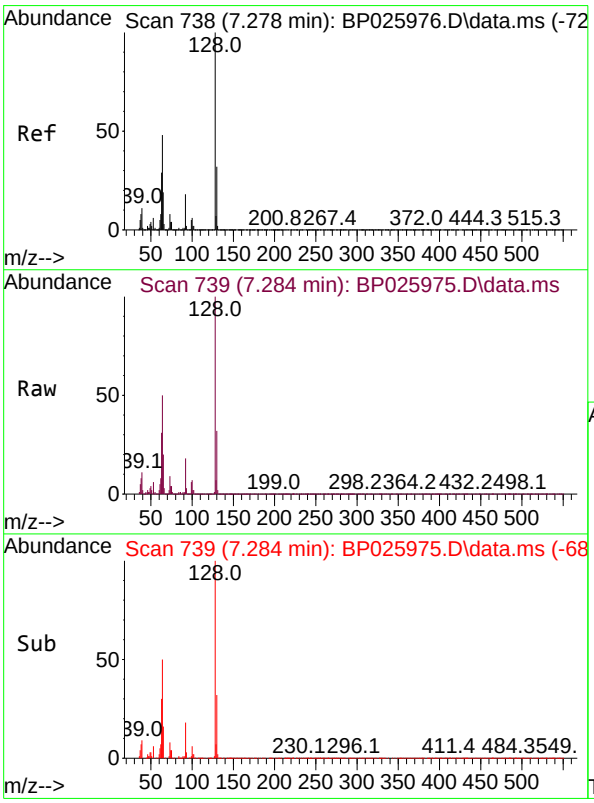
#7
Phenol-d6
Concen: 43.649 ng
RT: 6.914 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 599490

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.2	21.4
71	36.1	29.4	44.0

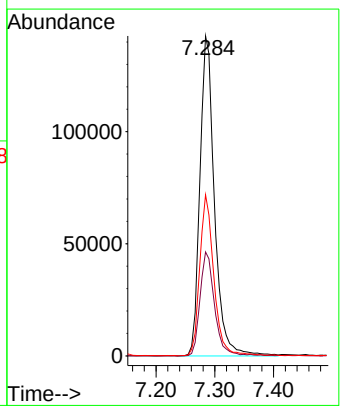


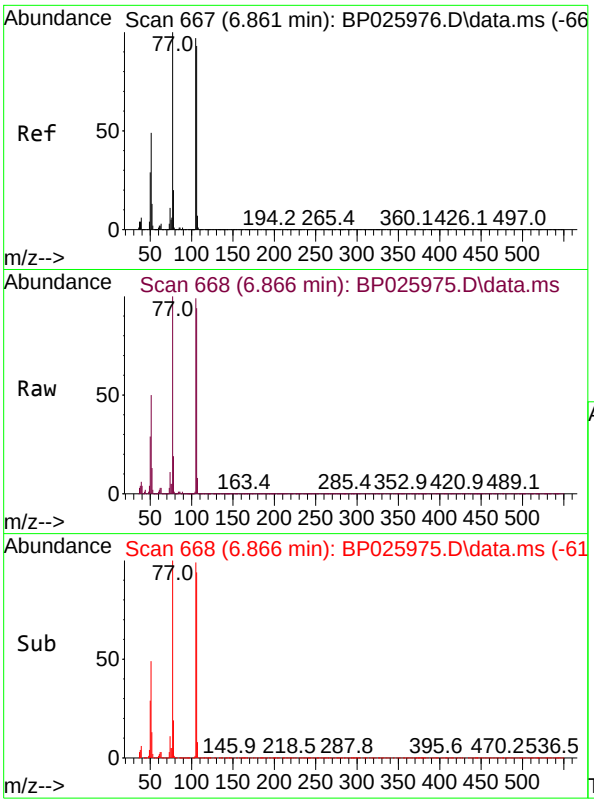


#8
2-Chlorophenol
Concen: 21.529 ng
RT: 7.284 min Scan# 739
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:128 Resp: 245548

Ion	Ratio	Lower	Upper
128	100		
130	32.5	11.8	51.8
64	50.3	28.0	68.0



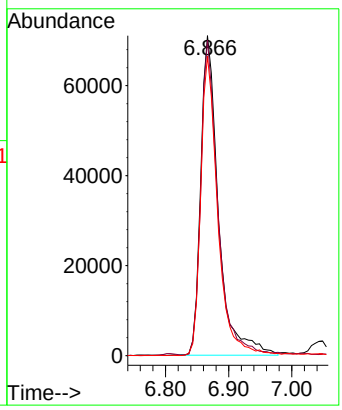


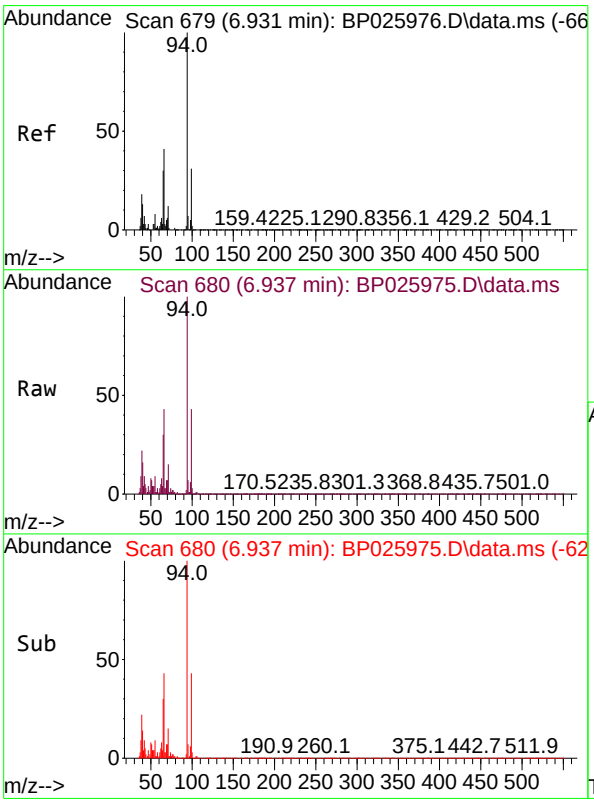
#9
Benzaldehyde
Concen: 18.862 ng
RT: 6.866 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 138236

Ion	Ratio	Lower	Upper
77	100		
105	98.6	76.6	116.6
106	93.6	73.2	113.2

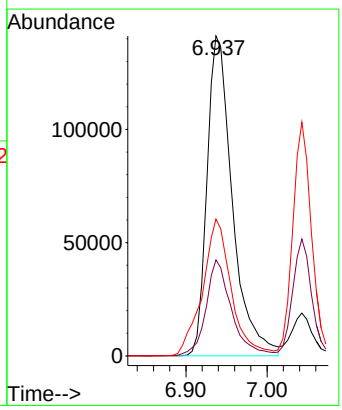


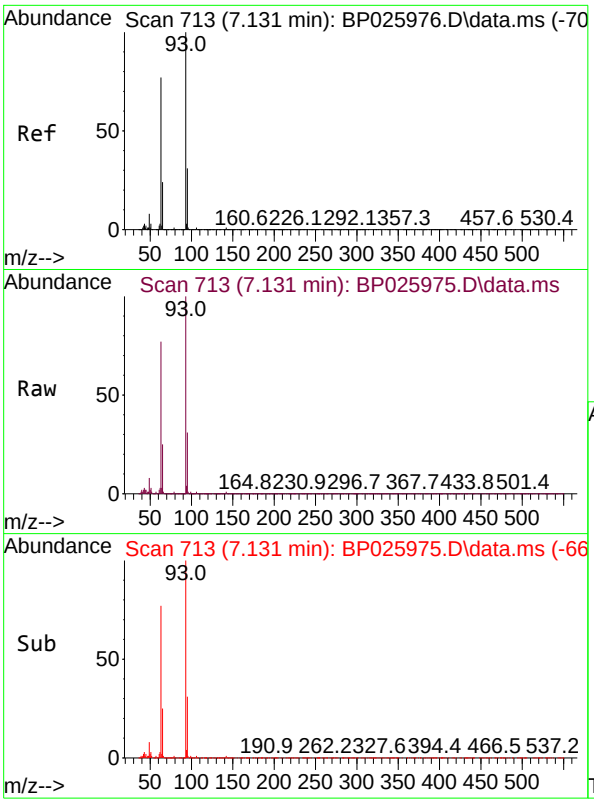


#10
Phenol
Concen: 22.125 ng
RT: 6.937 min Scan# 680
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion: 94 Resp: 306803

Ion	Ratio	Lower	Upper
94	100		
65	30.0	9.8	49.8
66	42.7	21.4	61.4



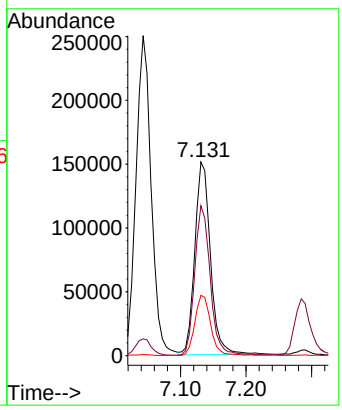


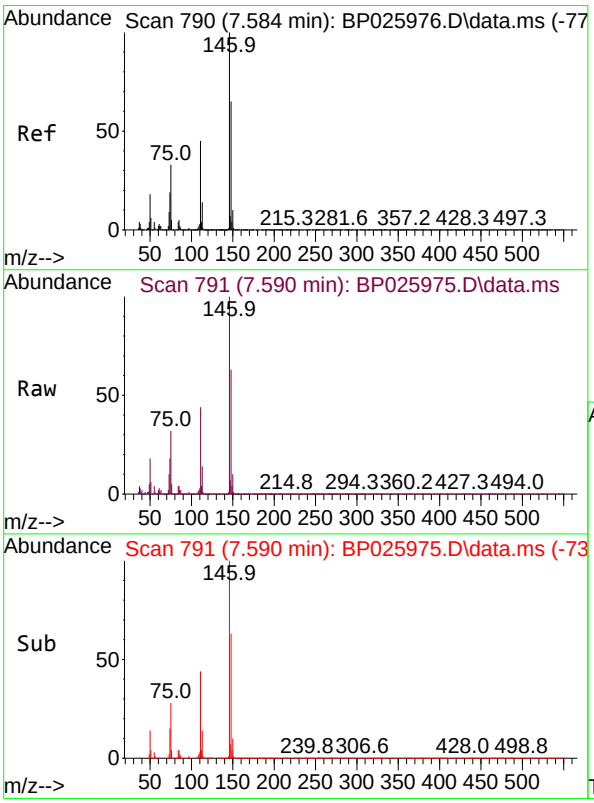
#11
bis(2-Chloroethyl)ether
Concen: 22.173 ng
RT: 7.131 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 250708

Ion	Ratio	Lower	Upper
93	100		
63	77.4	56.6	96.6
95	31.2	11.3	51.3

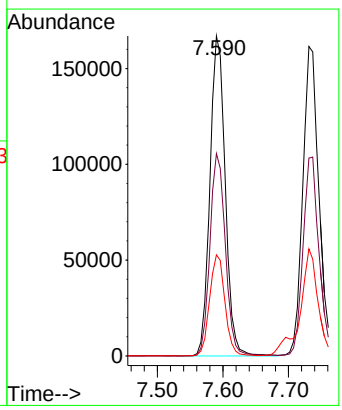


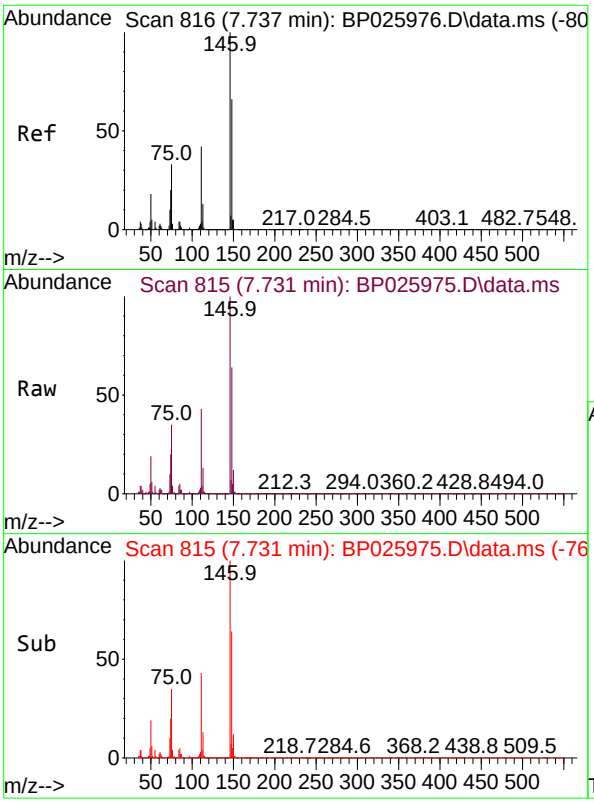


#12
1,3-Dichlorobenzene
Concen: 21.449 ng
RT: 7.590 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:146 Resp: 271225

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.7	77.5
75	31.6	26.1	39.1



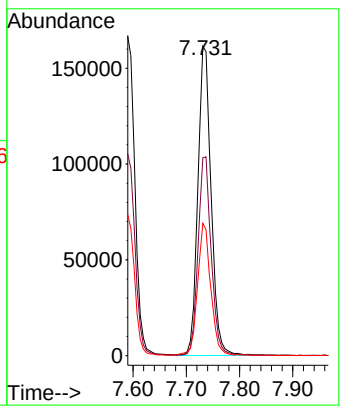


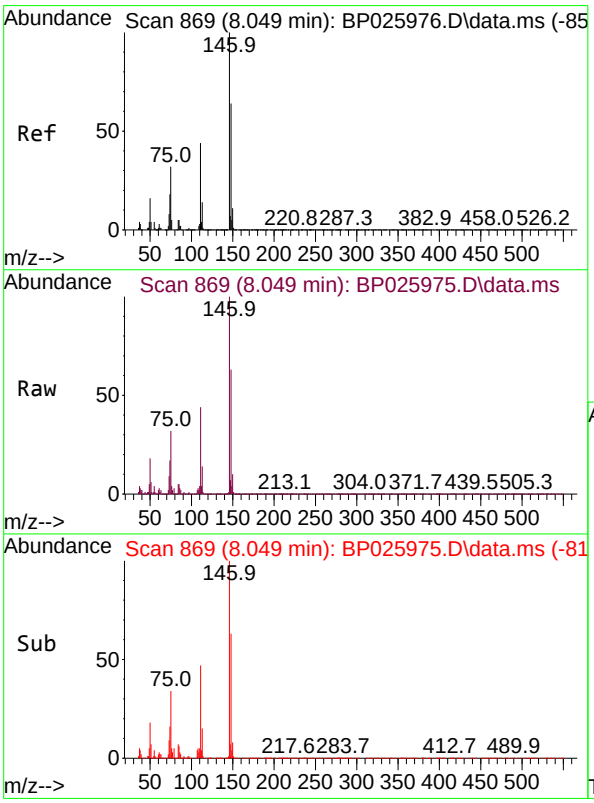
#13
1,4-Dichlorobenzene
Concen: 21.613 ng
RT: 7.731 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 278453

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.7	79.1
111	42.7	34.0	51.0

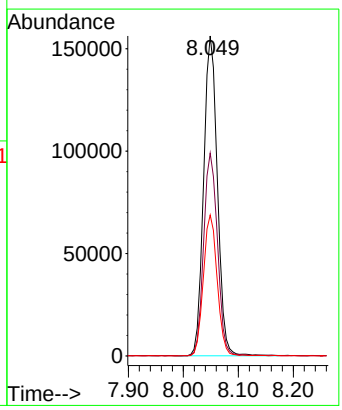


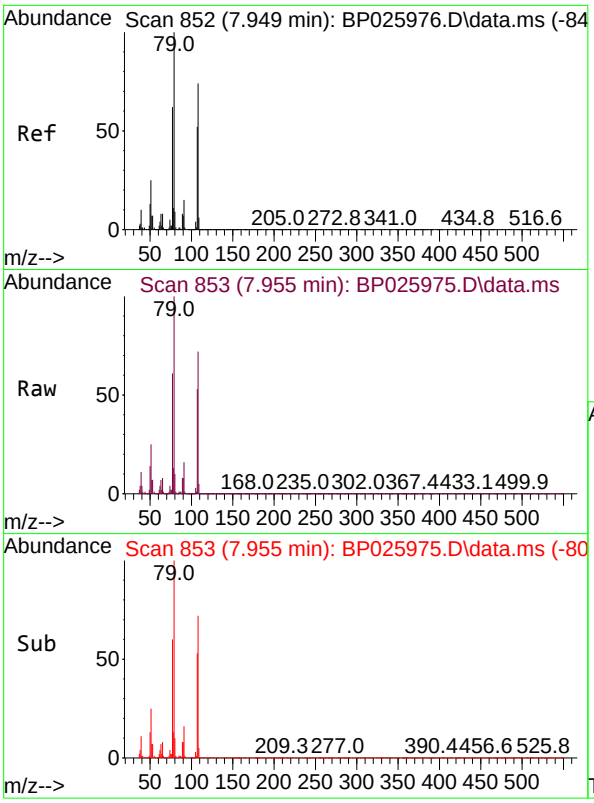


#14
1,2-Dichlorobenzene
Concen: 21.489 ng
RT: 8.049 min Scan# 869
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:146 Resp: 270834

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.6
111	44.0	35.3	52.9



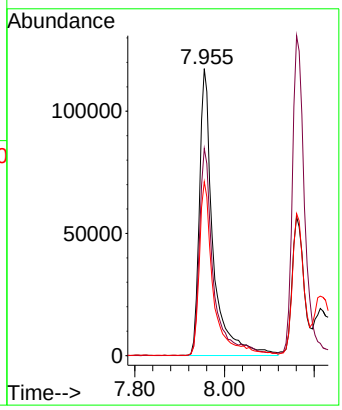


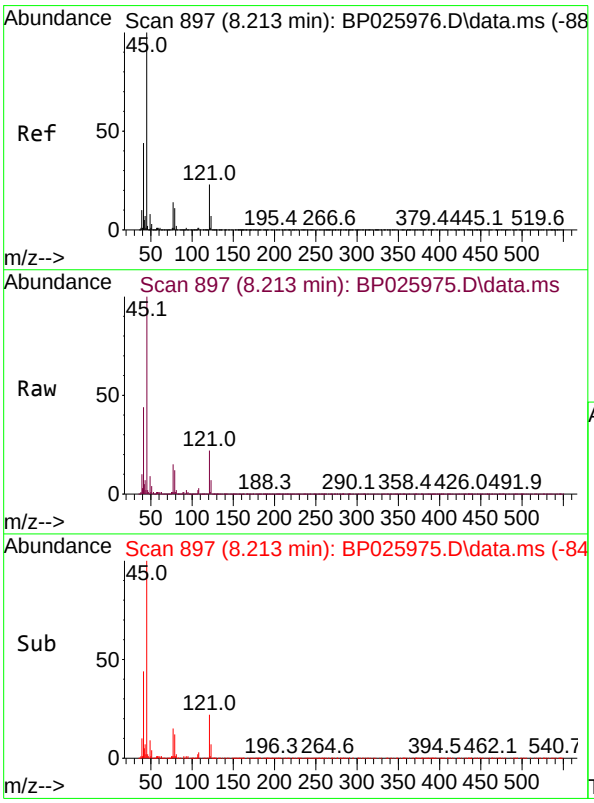
#15
Benzyl Alcohol
Concen: 21.210 ng
RT: 7.955 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 247943

Ion	Ratio	Lower	Upper
79	100		
108	72.2	59.2	88.8
77	60.6	49.3	73.9

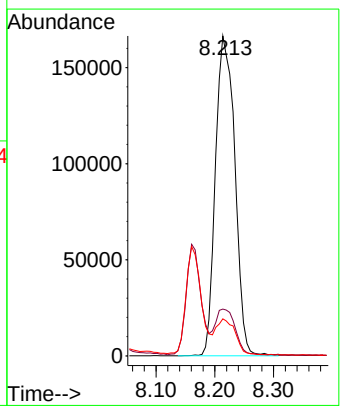


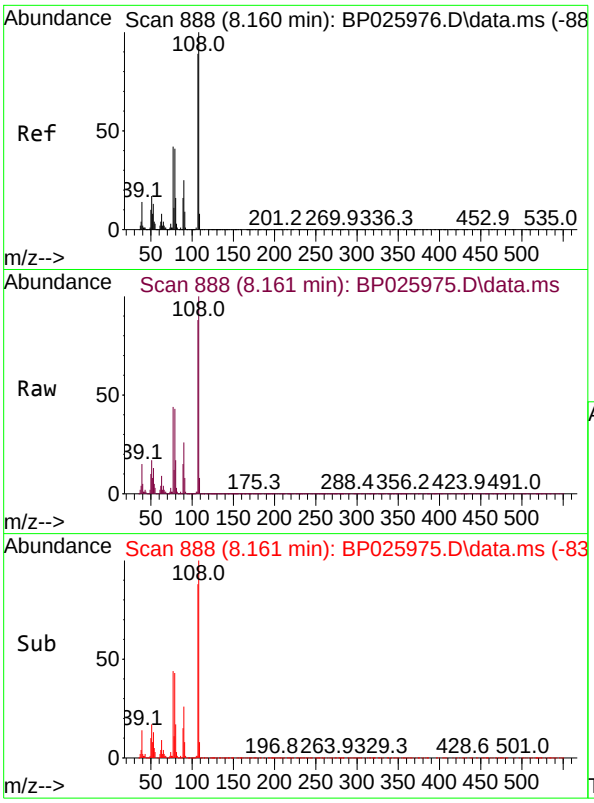


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.905 ng
RT: 8.213 min Scan# 897
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion: 45 Resp: 381401

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	34.3
79	11.6	0.0	31.5



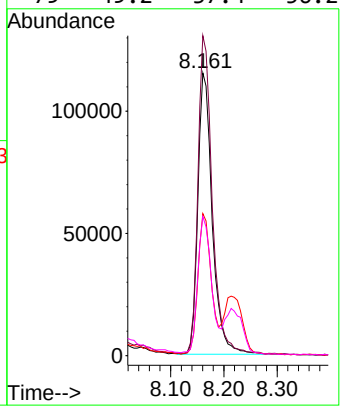


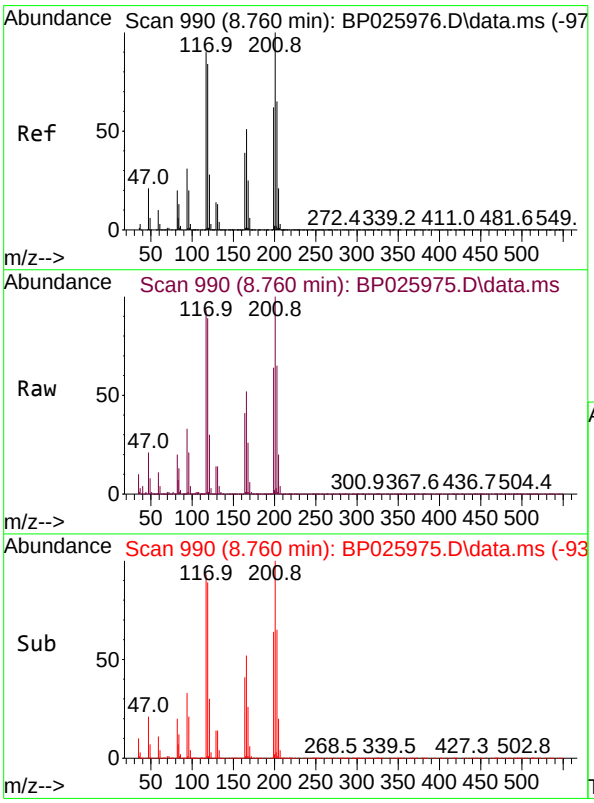
#17
2-Methylphenol
Concen: 21.730 ng
RT: 8.161 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 215980

Ion	Ratio	Lower	Upper
107	100		
108	113.2	89.5	134.3
77	50.2	38.1	57.1
79	49.2	37.4	56.2

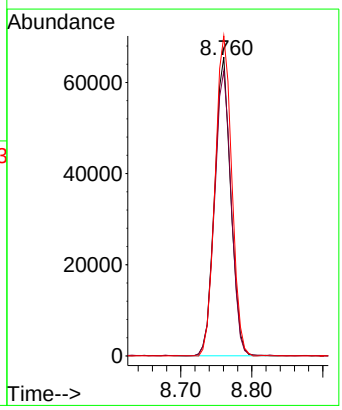


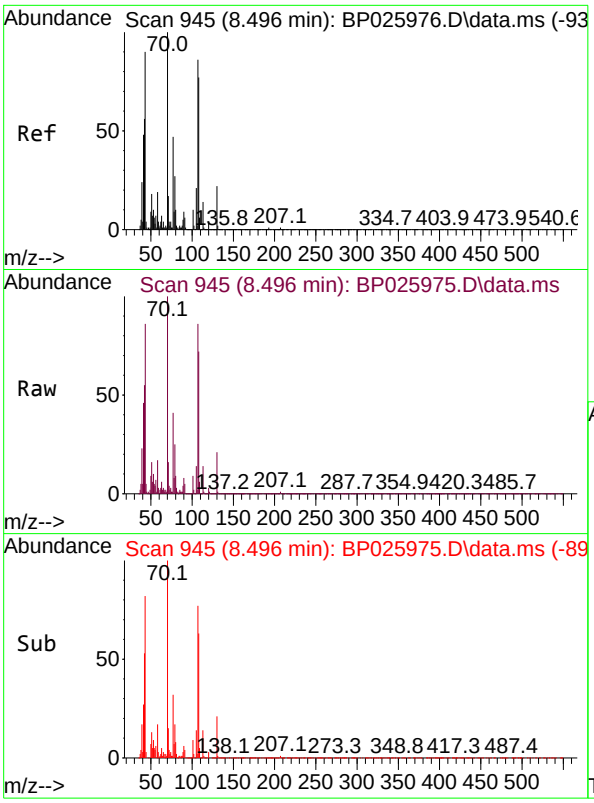


#18
Hexachloroethane
Concen: 21.142 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:117 Resp: 103942

Ion	Ratio	Lower	Upper
117	100		
119	95.3	74.6	112.0
201	107.1	88.6	133.0



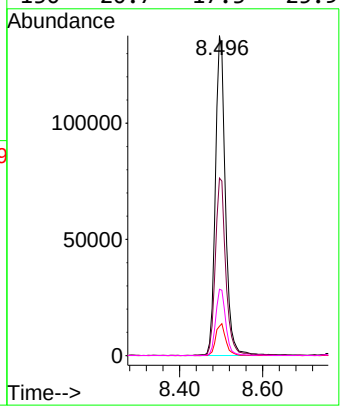


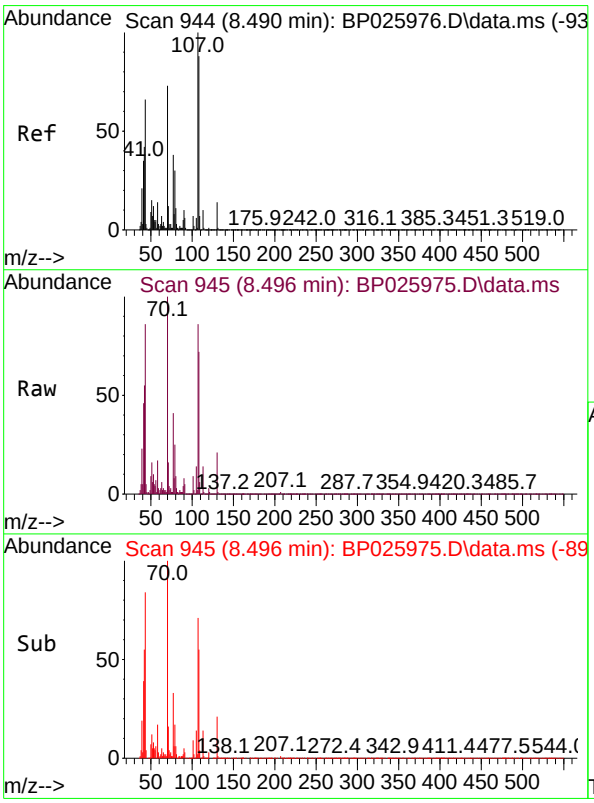
#19
n-Nitroso-di-n-propylamine
Concen: 23.491 ng
RT: 8.496 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 229997

Ion	Ratio	Lower	Upper
70	100		
42	55.5	45.2	67.8
101	9.2	7.9	11.9
130	20.7	17.3	25.9

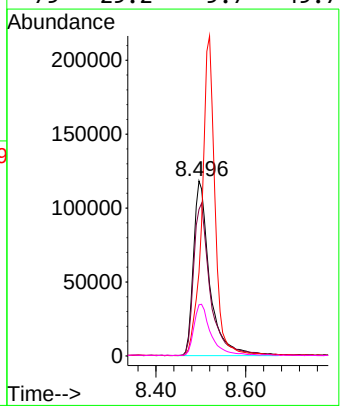


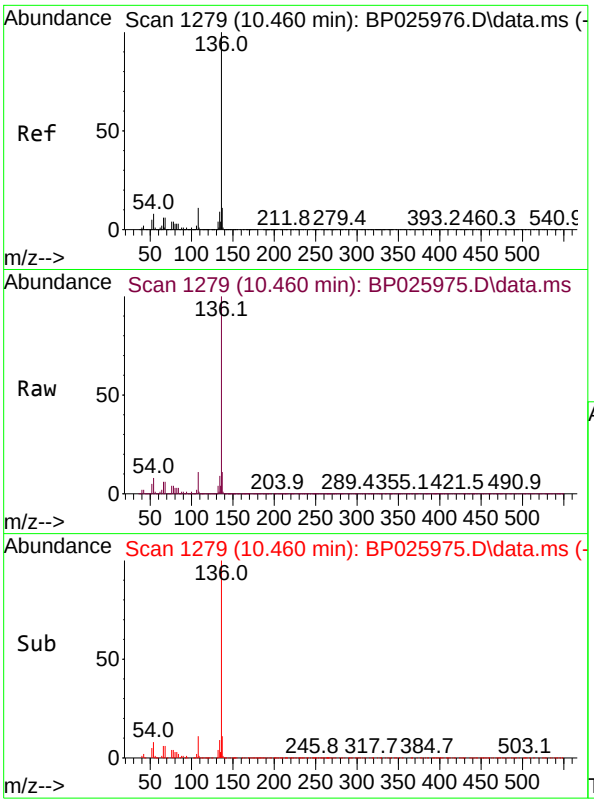


#20
3+4-Methylphenols
Concen: 21.526 ng
RT: 8.496 min Scan# 945
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:107 Resp: 298105

Ion	Ratio	Lower	Upper
107	100		
108	83.8	67.8	107.8
77	47.7	18.5	58.5
79	29.2	9.7	49.7



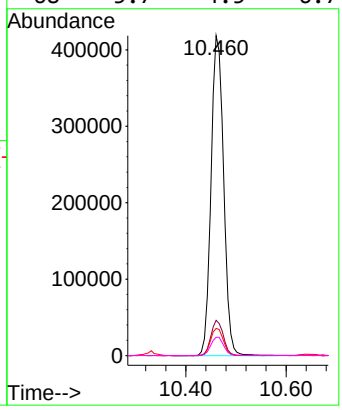


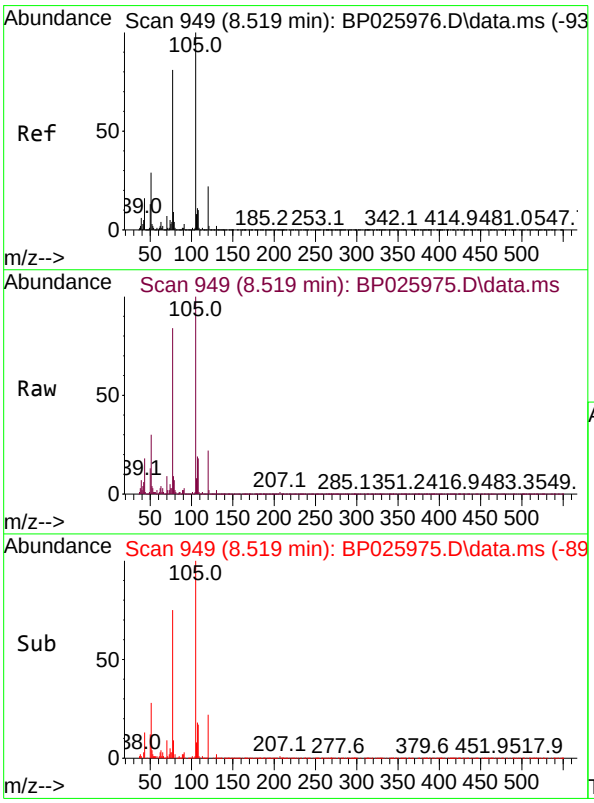
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 727477

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	8.5	6.8	10.2
68	5.7	4.5	6.7

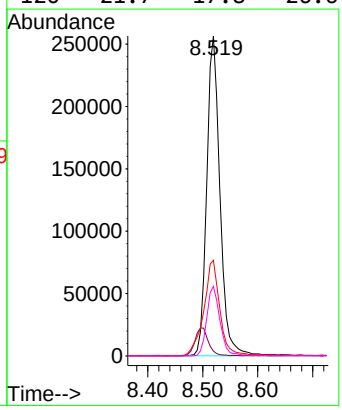


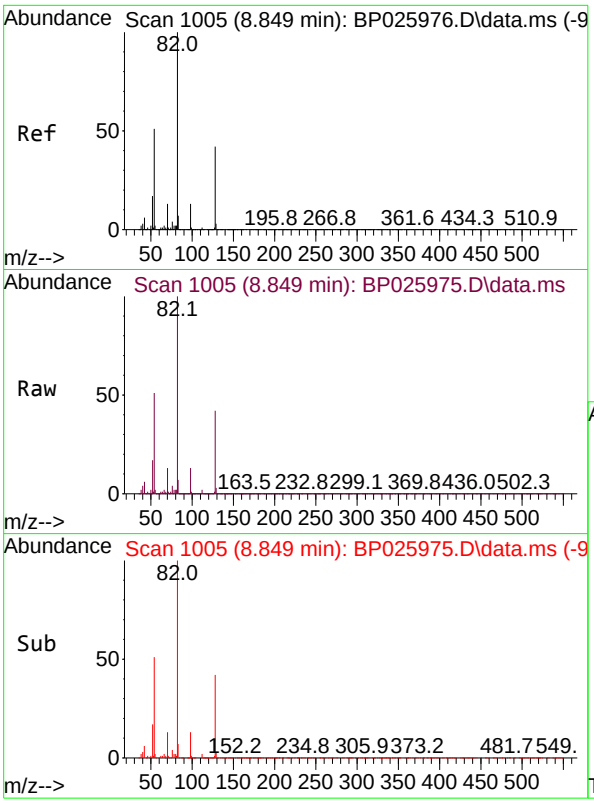


#22
Acetophenone
Concen: 21.762 ng
RT: 8.519 min Scan# 949
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:105 Resp: 430385

Ion	Ratio	Lower	Upper
105	100		
71	1.5	0.9	1.3#
51	29.9	23.0	34.4
120	21.7	17.8	26.6



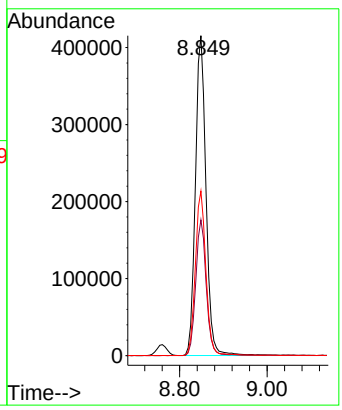


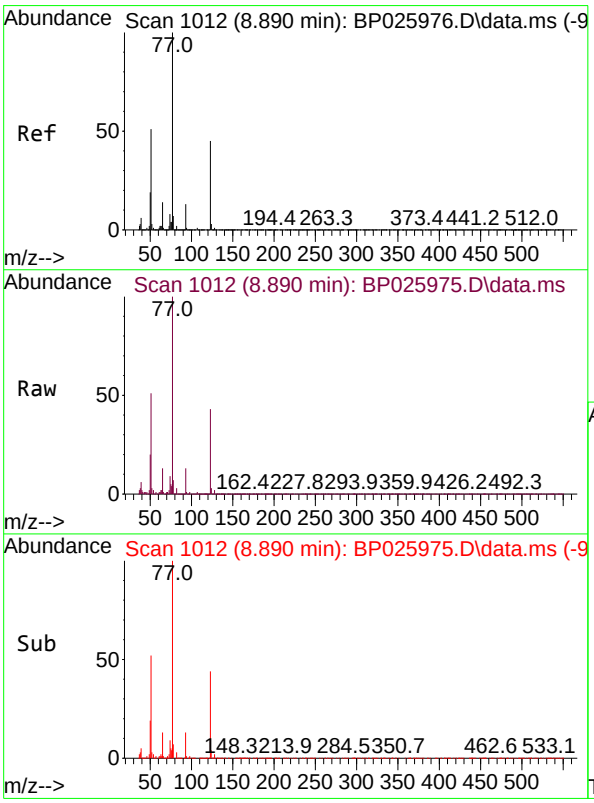
#23
Nitrobenzene-d5
Concen: 43.145 ng
RT: 8.849 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 698296

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.6	50.4
54	51.4	40.6	61.0

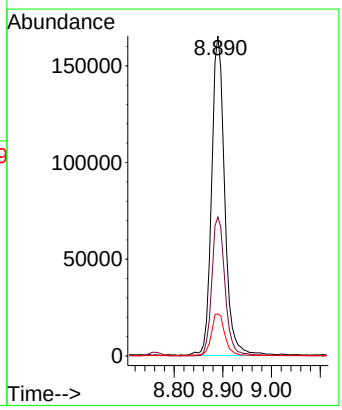


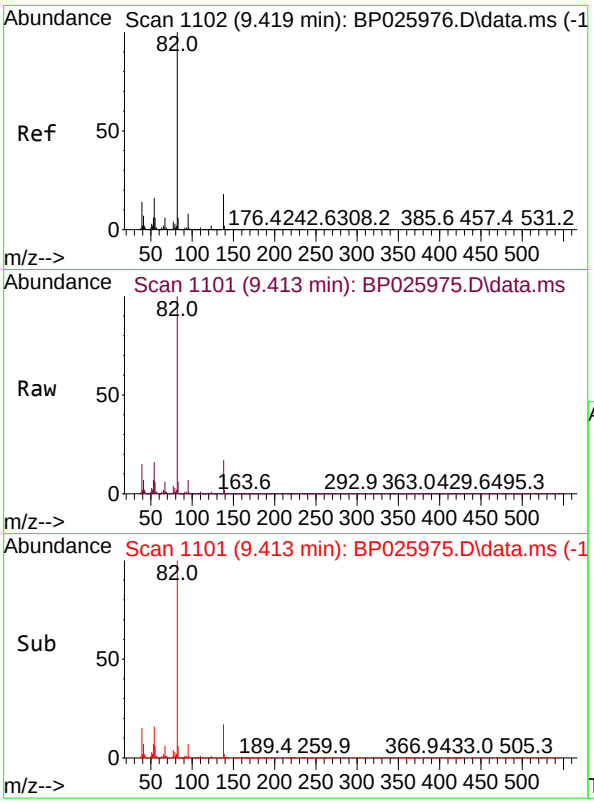


#24
Nitrobenzene
Concen: 21.520 ng
RT: 8.890 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion: 77 Resp: 309739

Ion	Ratio	Lower	Upper
77	100		
123	43.4	35.6	53.4
65	13.1	11.1	16.7



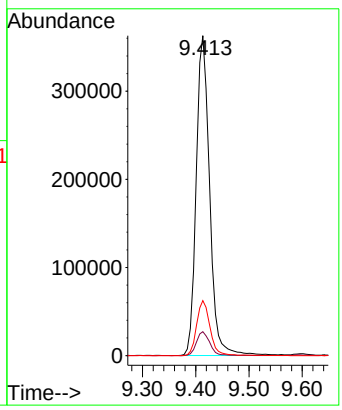


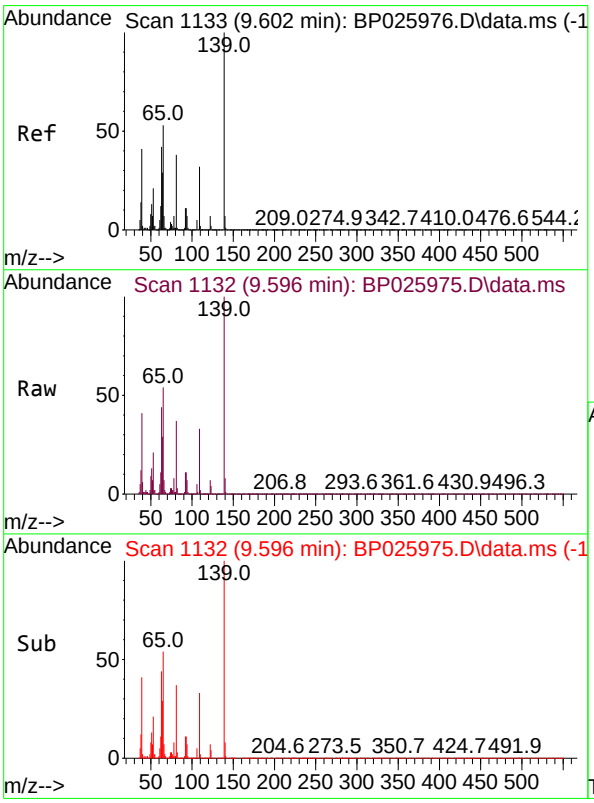
#25
Isophorone
Concen: 21.863 ng
RT: 9.413 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 635521

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	17.2	14.2	21.2

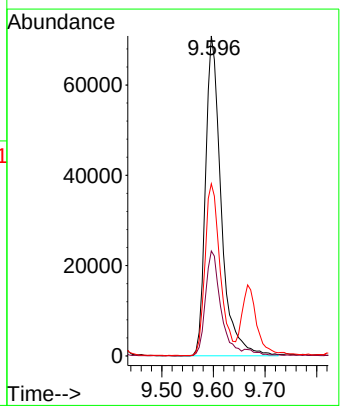


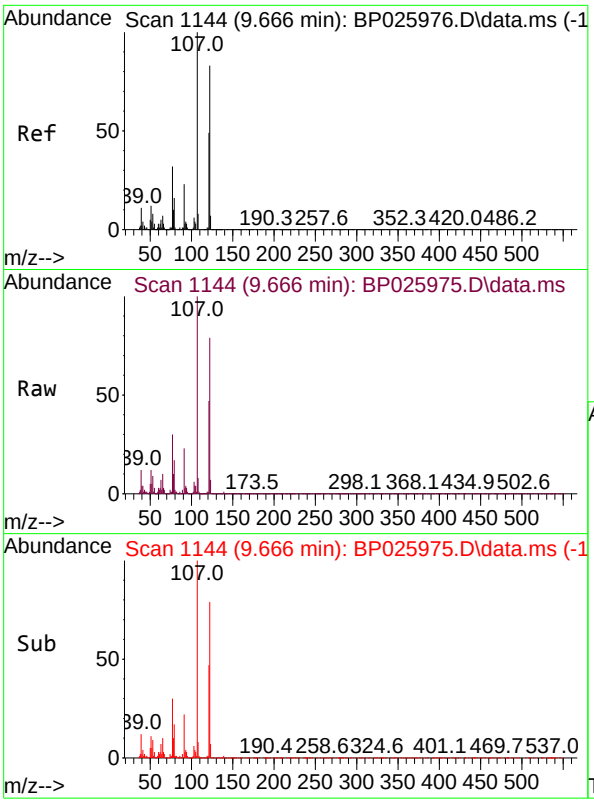


#26
2-Nitrophenol
Concen: 21.419 ng
RT: 9.596 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:139 Resp: 149293

Ion	Ratio	Lower	Upper
139	100		
109	32.8	25.9	38.9
65	53.8	42.4	63.6



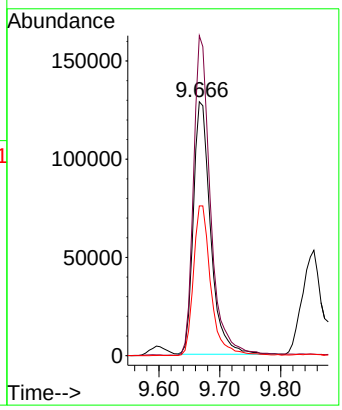


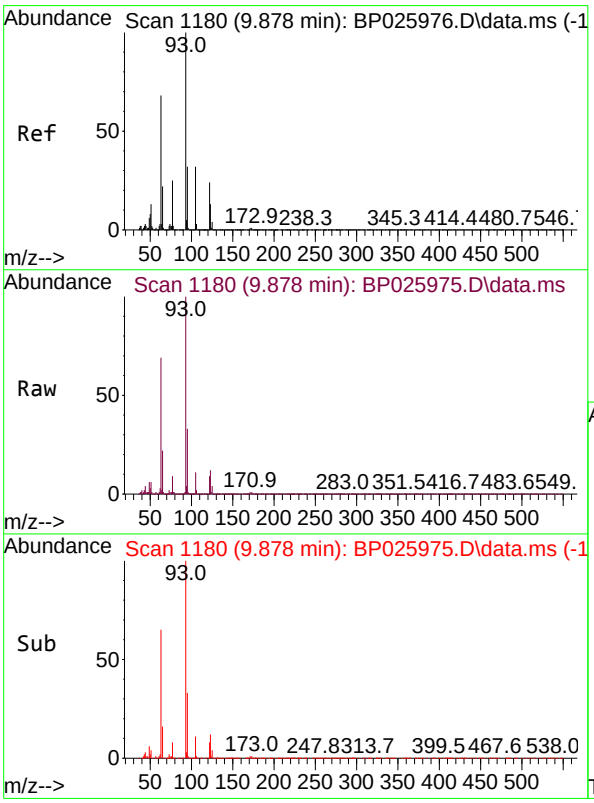
#27
2,4-Dimethylphenol
Concen: 21.418 ng
RT: 9.666 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 252982

Ion	Ratio	Lower	Upper
122	100		
107	126.1	95.9	143.9
121	59.0	46.6	70.0

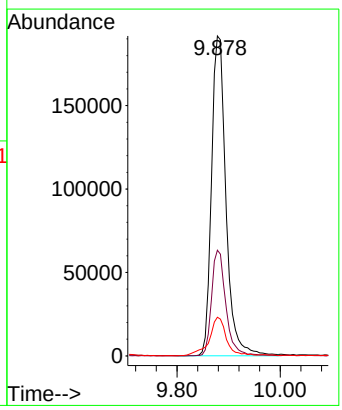


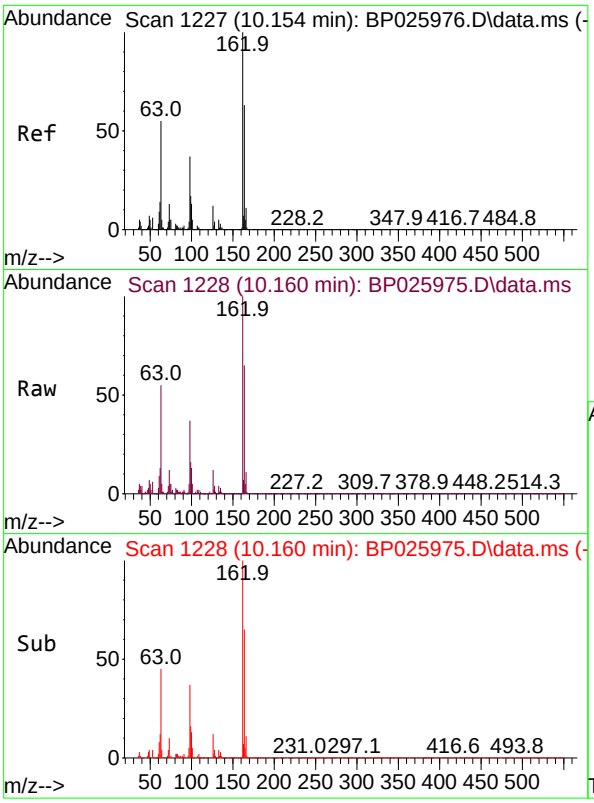


#28
bis(2-Chloroethoxy)methane
Concen: 21.977 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion: 93 Resp: 373713

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.3	37.9
123	12.1	10.4	15.6



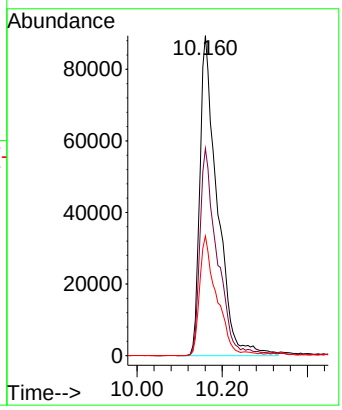


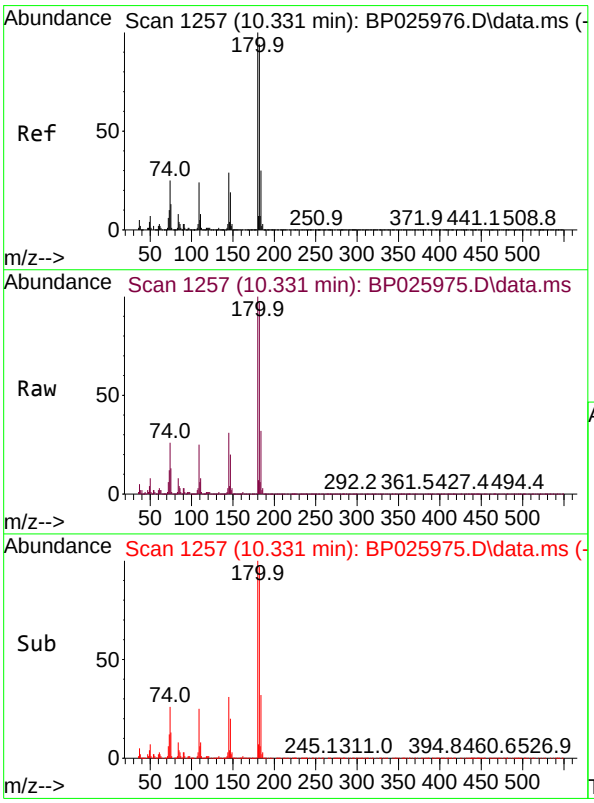
#29
2,4-Dichlorophenol
Concen: 21.555 ng
RT: 10.160 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 253688

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.4	83.4
98	37.4	17.3	57.3

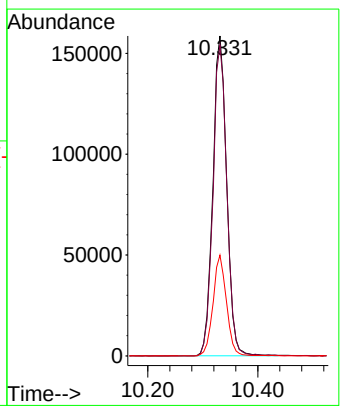


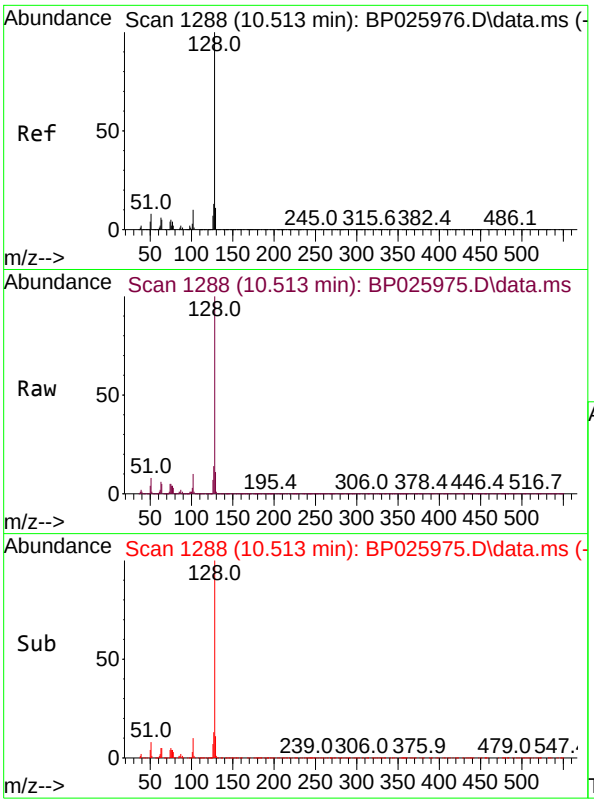


#30
1,2,4-Trichlorobenzene
Concen: 20.819 ng
RT: 10.331 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:180 Resp: 277391

Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.3	112.9
145	31.5	23.4	35.2



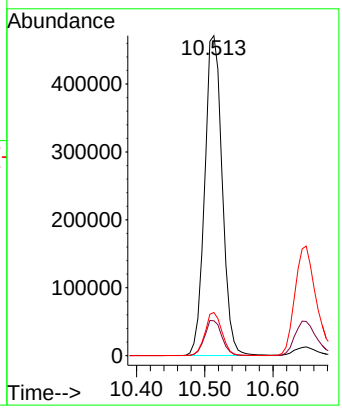


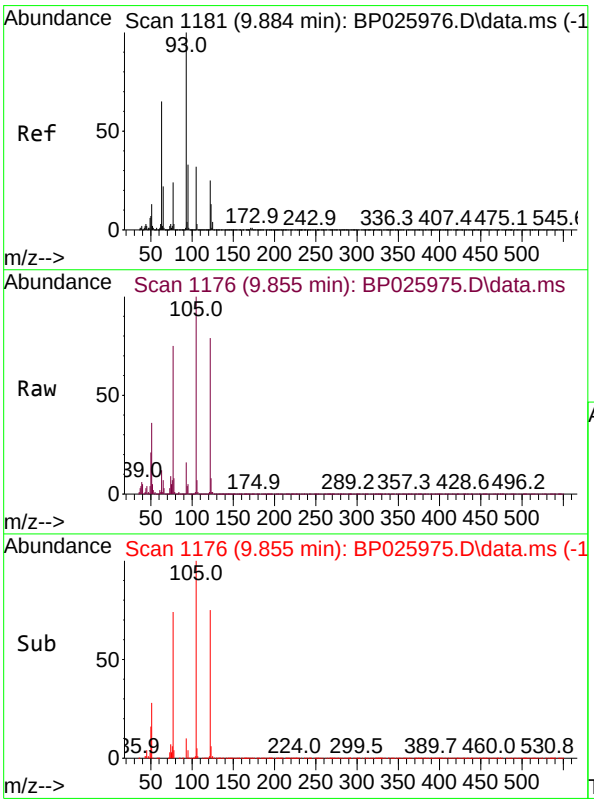
#31
Naphthalene
Concen: 21.427 ng
RT: 10.513 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 840869

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.5	10.6	16.0

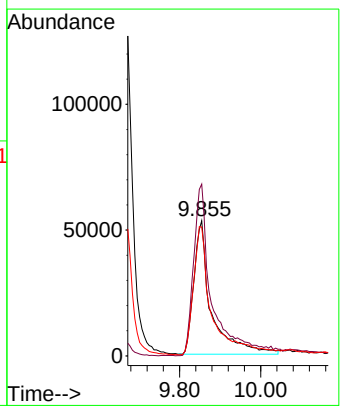


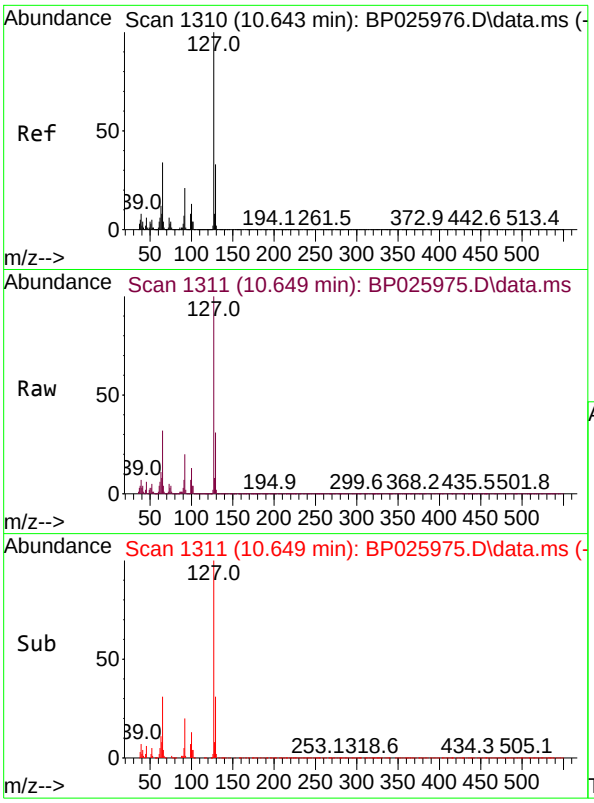


#32
Benzoic acid
Concen: 18.503 ng
RT: 9.855 min Scan# 1176
Delta R.T. -0.029 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:122 Resp: 158678

Ion	Ratio	Lower	Upper
122	100		
105	127.1	107.4	147.4
77	95.5	77.0	117.0



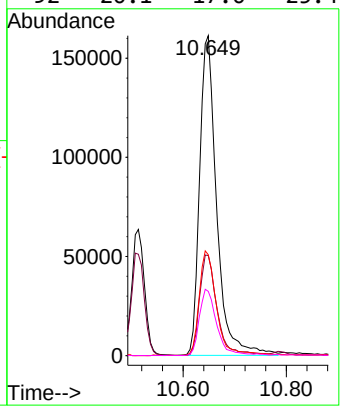


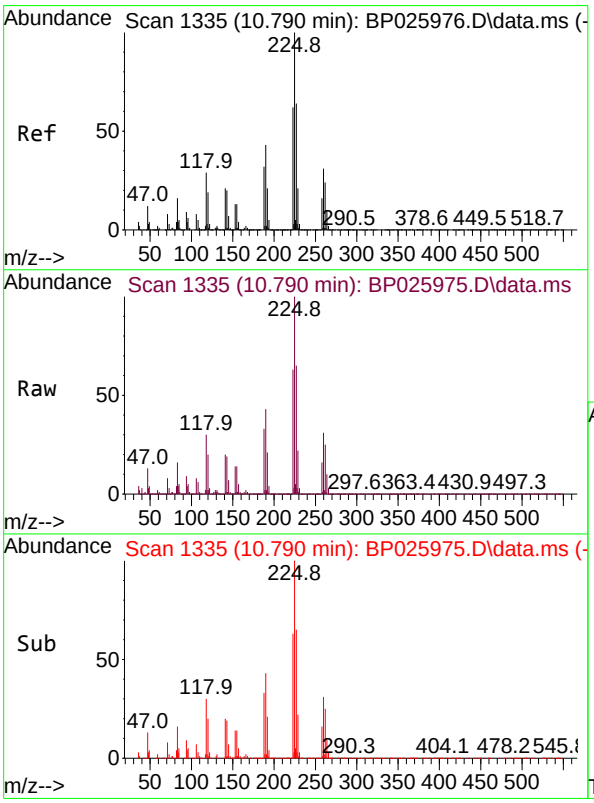
#33
4-Chloroaniline
Concen: 22.172 ng
RT: 10.649 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 369506

Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.2	39.4
65	31.5	27.2	40.8
92	20.1	17.0	25.4

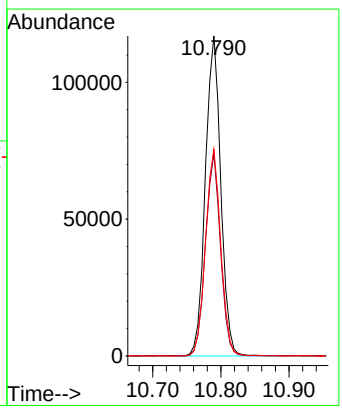


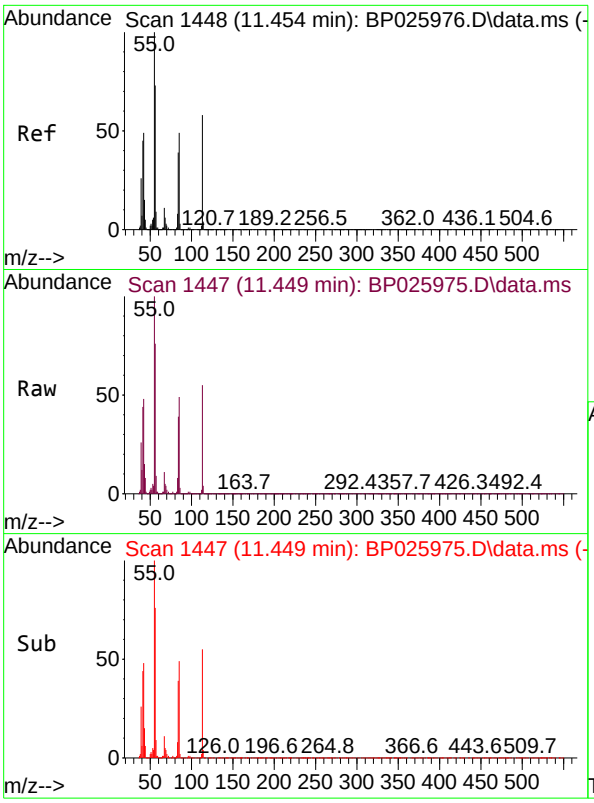


#34
Hexachlorobutadiene
Concen: 20.815 ng
RT: 10.790 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:225 Resp: 183545

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.8	74.8
227	64.6	51.4	77.2



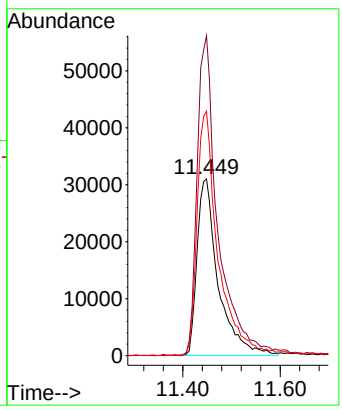


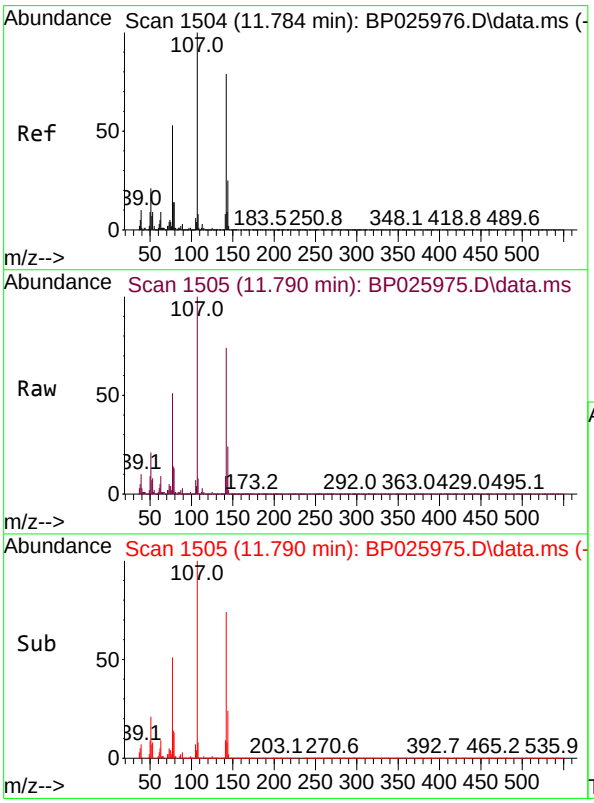
#35
Caprolactam
Concen: 22.376 ng
RT: 11.449 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 93714

Ion	Ratio	Lower	Upper
113	100		
55	181.0	151.8	191.8
56	138.3	104.6	144.6

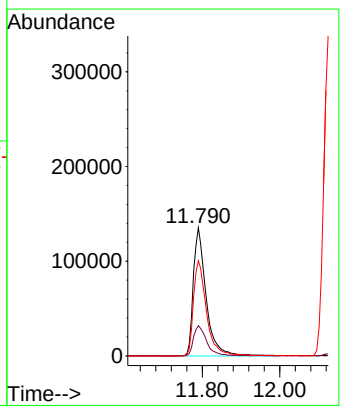


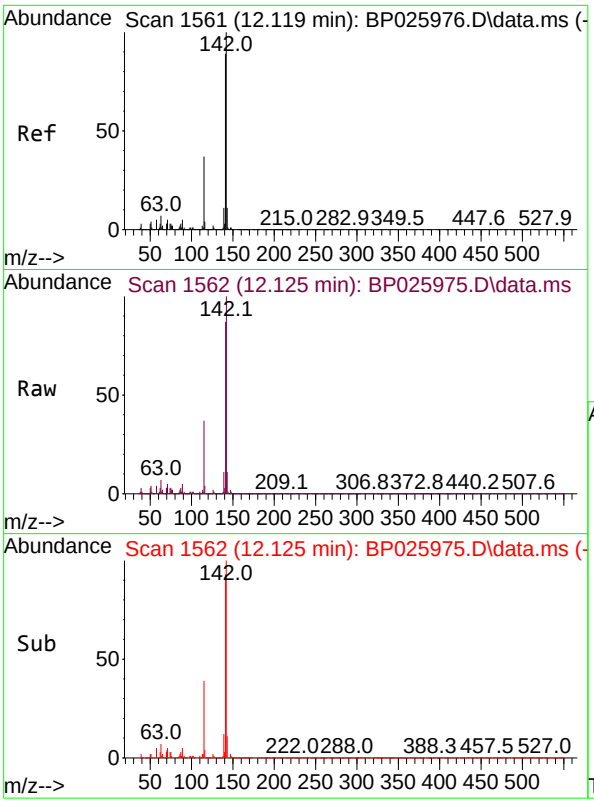


#36
4-Chloro-3-methylphenol
Concen: 22.414 ng
RT: 11.790 min Scan# 1505
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:107 Resp: 309700

Ion	Ratio	Lower	Upper
107	100		
144	23.6	20.3	30.5
142	74.3	63.0	94.4



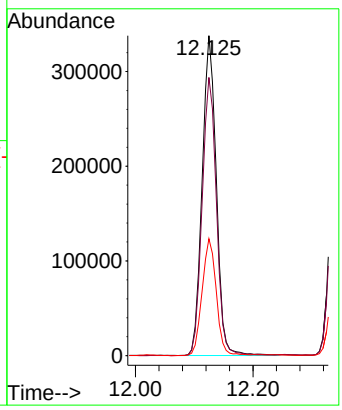


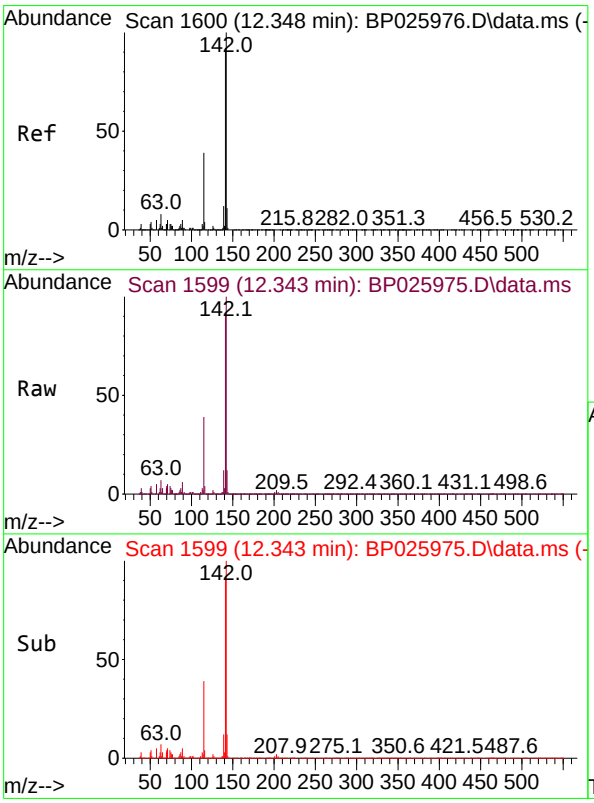
#37
2-Methylnaphthalene
Concen: 21.952 ng
RT: 12.125 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 564023

Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.9	106.3
115	36.5	29.9	44.9

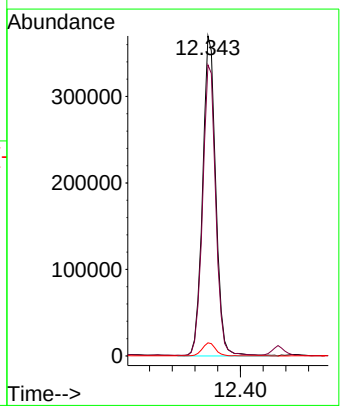


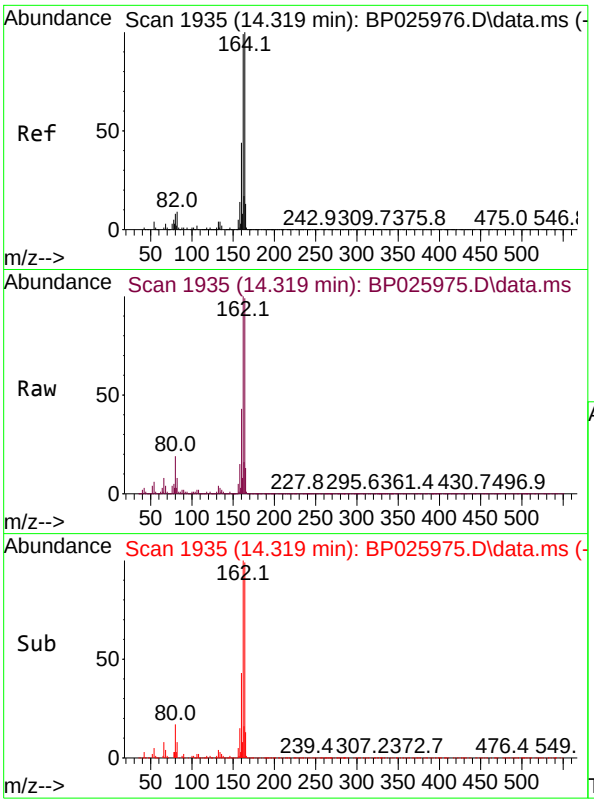


#38
1-Methylnaphthalene
Concen: 21.988 ng
RT: 12.343 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:142 Resp: 595916

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.7	110.5
116	4.1	3.2	4.8



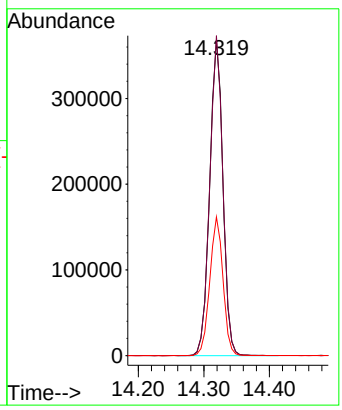


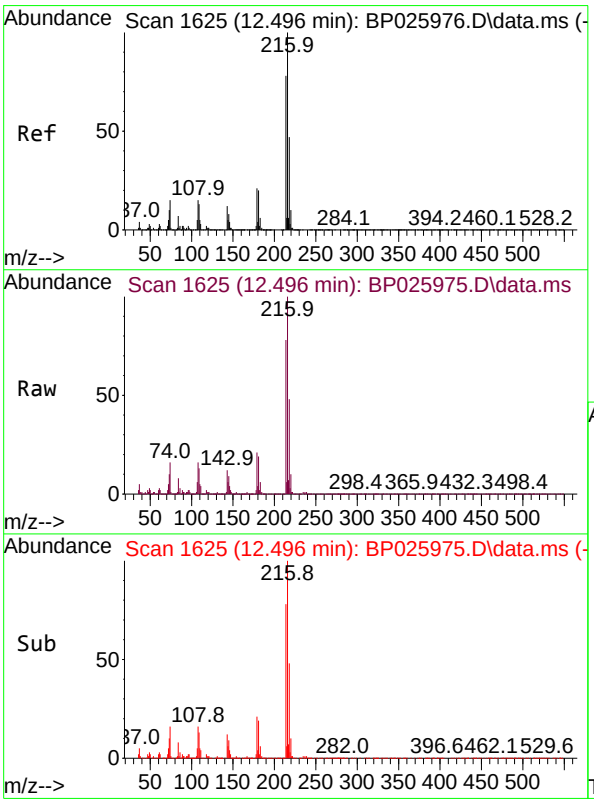
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 517182

Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.3	118.9
160	43.9	35.4	53.0

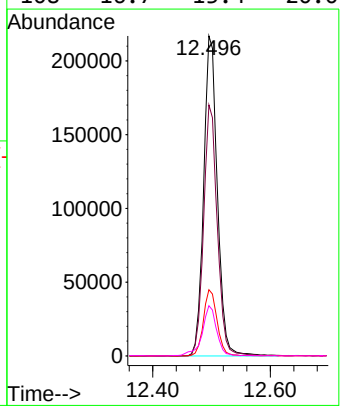


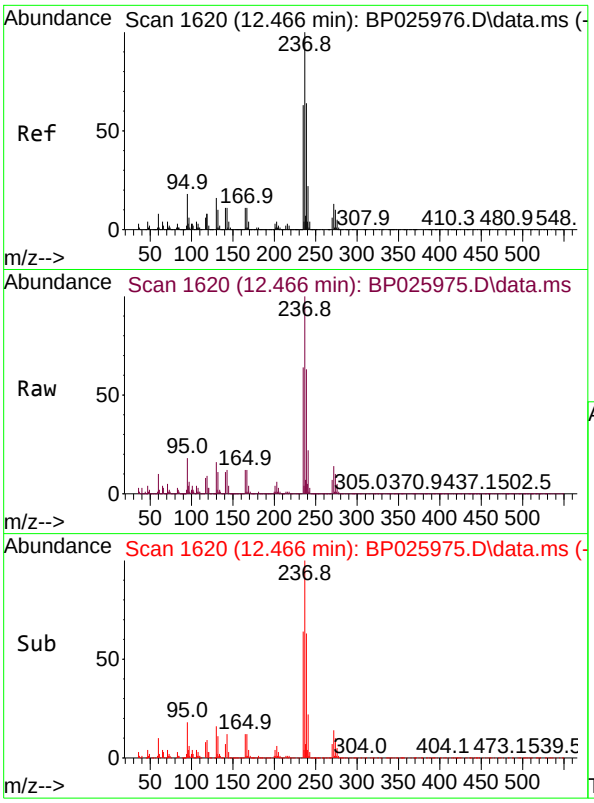


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.838 ng
RT: 12.496 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:216 Resp: 350930

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	20.7	16.5	24.7
108	16.7	13.4	20.0



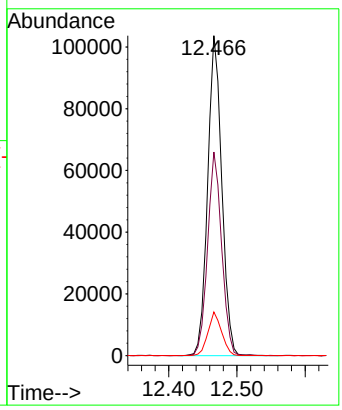


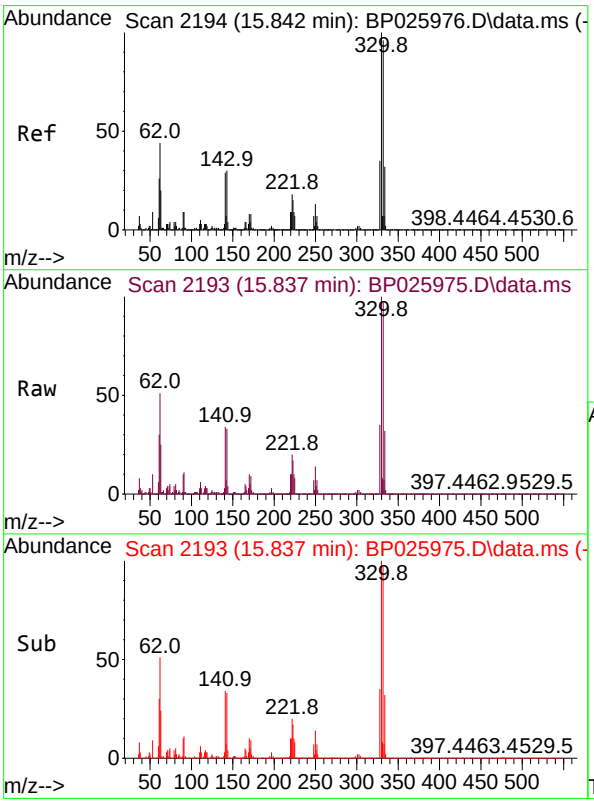
#41
Hexachlorocyclopentadiene
Concen: 19.363 ng
RT: 12.466 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 148790

Ion	Ratio	Lower	Upper
237	100		
235	63.6	43.1	83.1
272	13.6	0.0	33.4

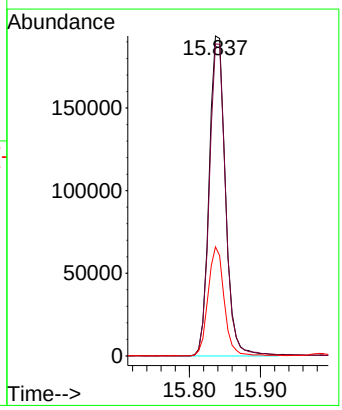


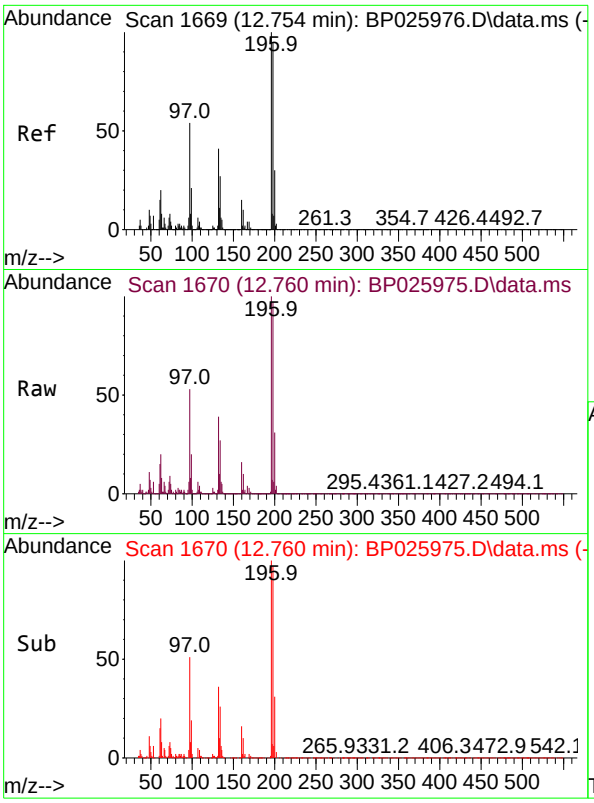


#42
2,4,6-Tribromophenol
Concen: 44.259 ng
RT: 15.837 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:330 Resp: 308153

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.8	116.8
141	33.7	25.6	38.4



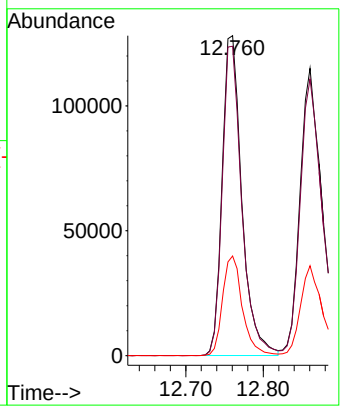


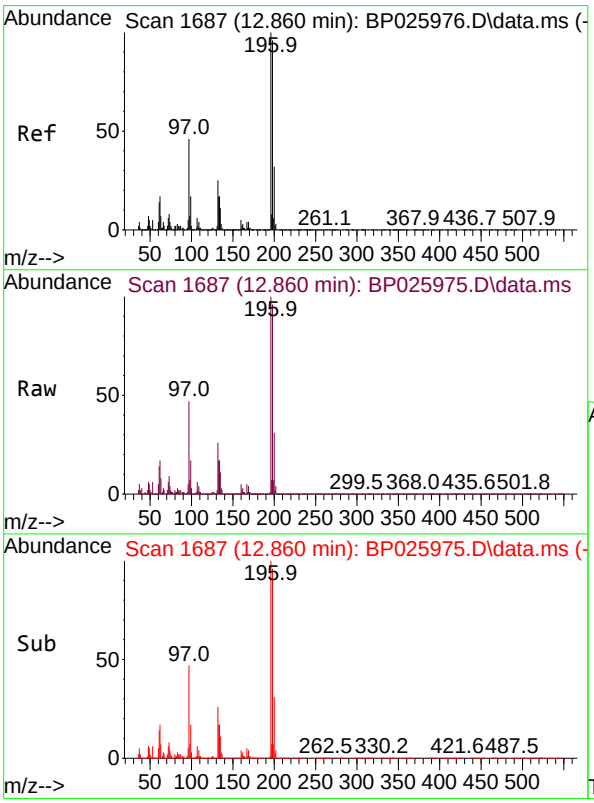
#43
2,4,6-Trichlorophenol
Concen: 21.206 ng
RT: 12.760 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 226681

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.3	114.5
200	31.1	23.9	35.9

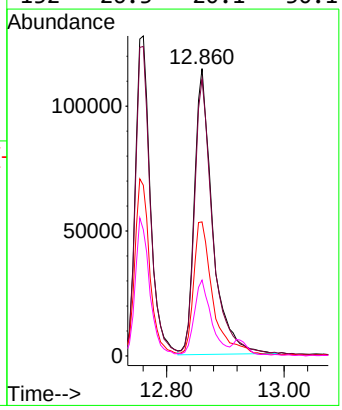


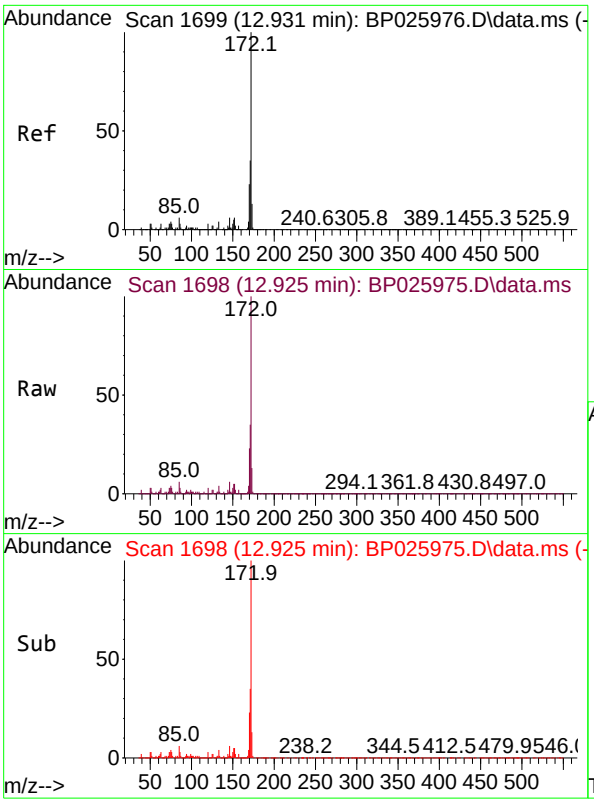


#44
2,4,5-Trichlorophenol
Concen: 21.053 ng
RT: 12.860 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:196 Resp: 245055

Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.0	115.4
97	46.6	36.6	54.8
132	26.3	20.1	30.1



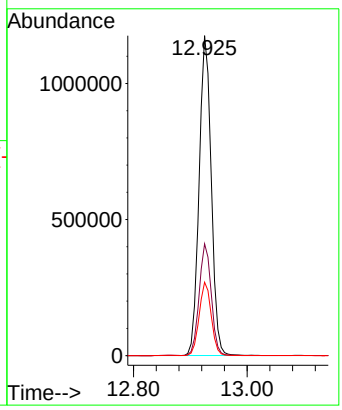


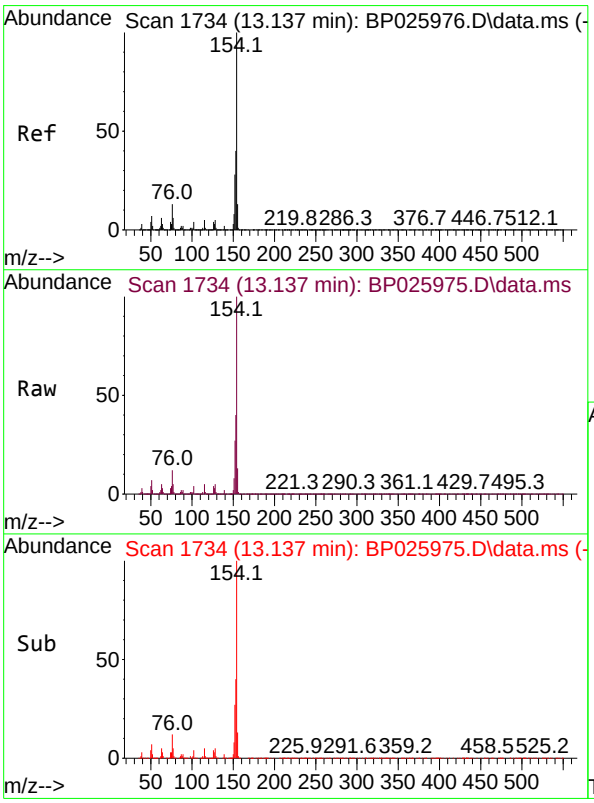
#45
2-Fluorobiphenyl
Concen: 43.107 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1739369

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.8
170	22.9	18.5	27.7

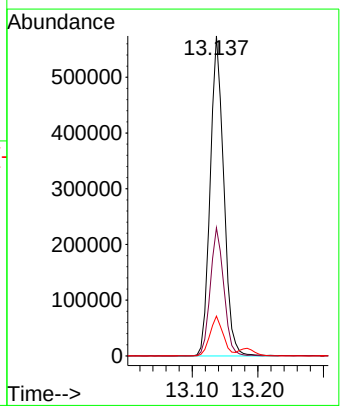


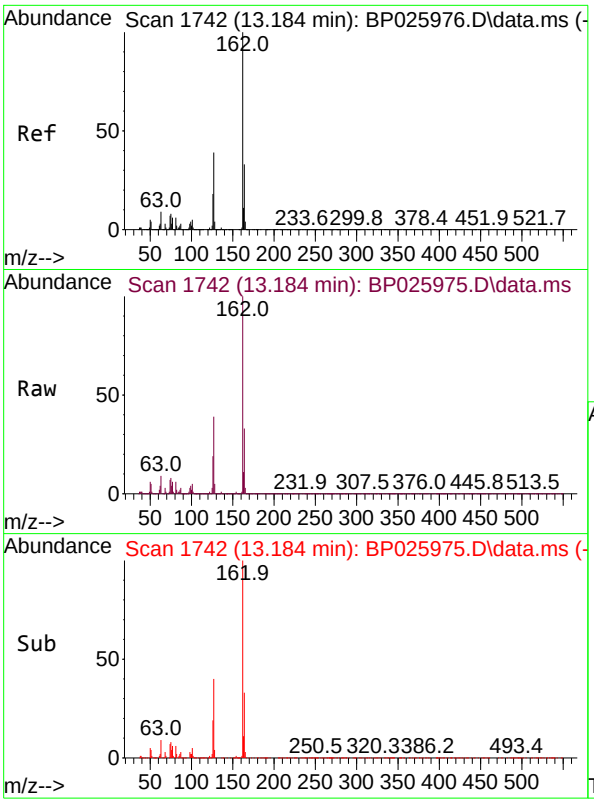


#46
1,1'-Biphenyl
Concen: 21.132 ng
RT: 13.137 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:154 Resp: 825588

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.1	60.1
76	12.4	0.0	33.1



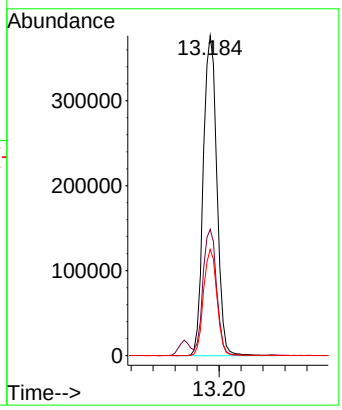


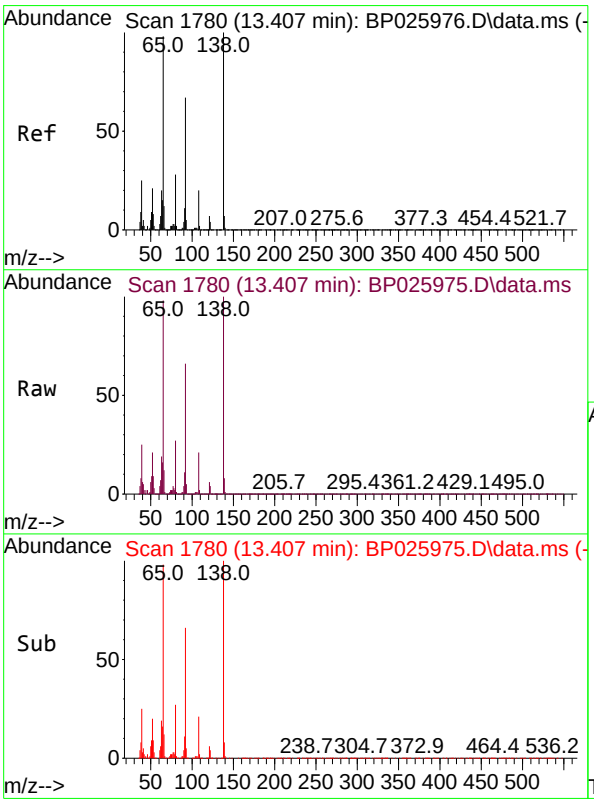
#47
2-Chloronaphthalene
Concen: 21.172 ng
RT: 13.184 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 646721

Ion	Ratio	Lower	Upper
162	100		
127	39.4	31.4	47.0
164	33.2	26.4	39.6

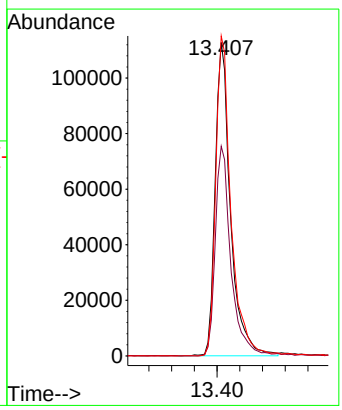


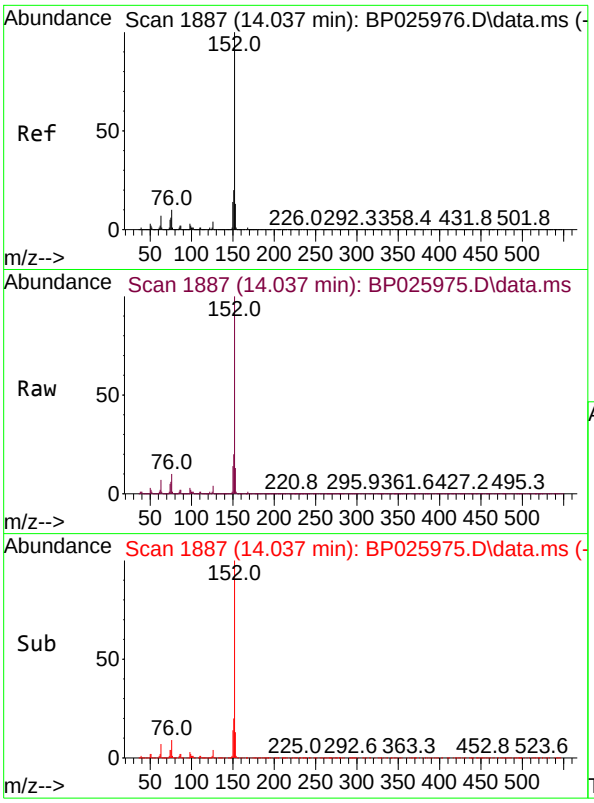


#48
2-Nitroaniline
Concen: 22.086 ng
RT: 13.407 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion: 65 Resp: 210263

Ion	Ratio	Lower	Upper
65	100		
92	66.9	55.0	82.4
138	102.1	82.0	123.0



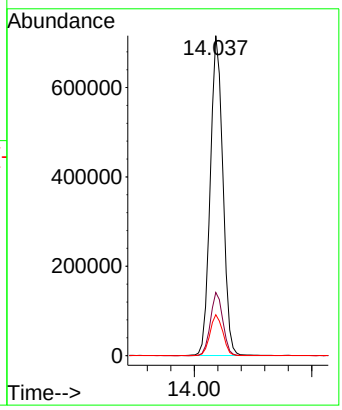


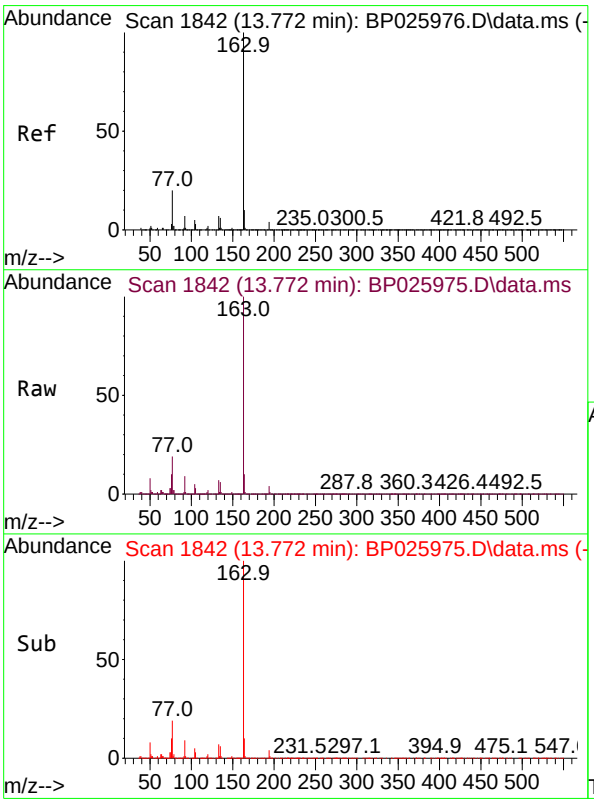
#49
Acenaphthylene
Concen: 21.611 ng
RT: 14.037 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1067380

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	12.8	10.6	15.8

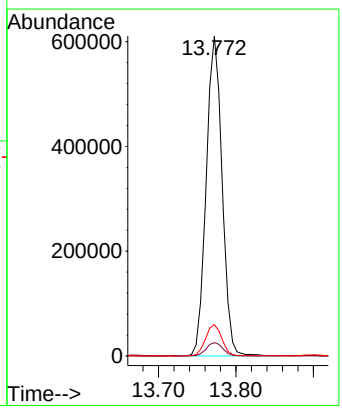


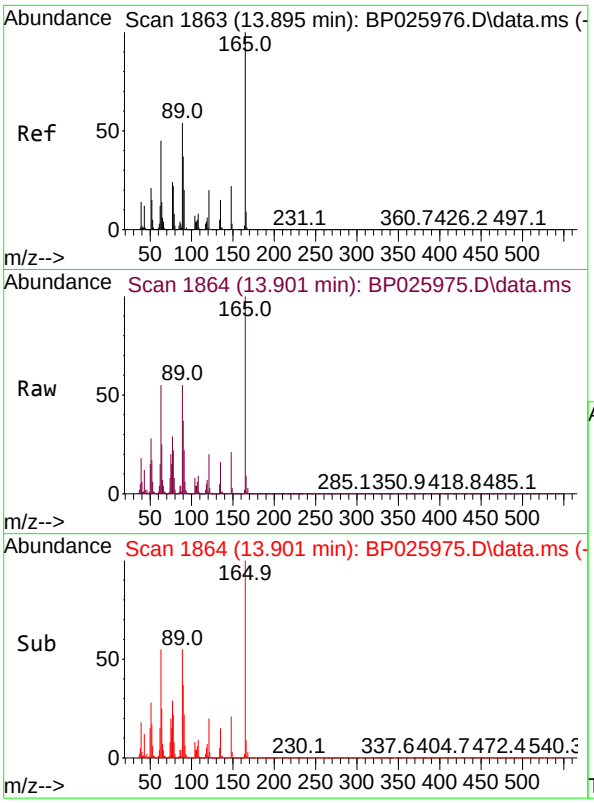


#50
Dimethylphthalate
Concen: 22.237 ng
RT: 13.772 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:163 Resp: 869280

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.6	5.4
164	9.8	8.2	12.2



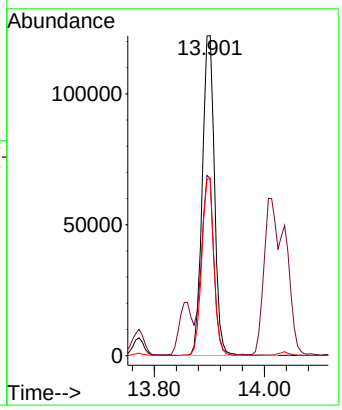


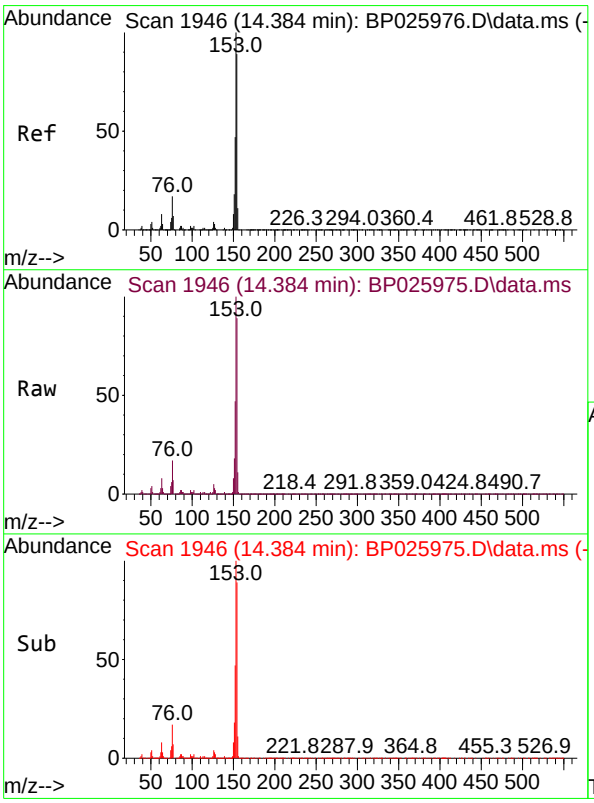
#51
2,6-Dinitrotoluene
Concen: 22.316 ng
RT: 13.901 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 188359

Ion	Ratio	Lower	Upper
165	100		
63	55.4	45.4	68.0
89	55.3	43.4	65.0

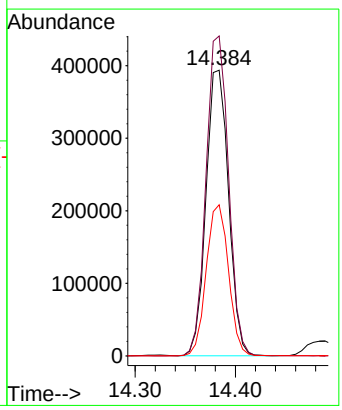


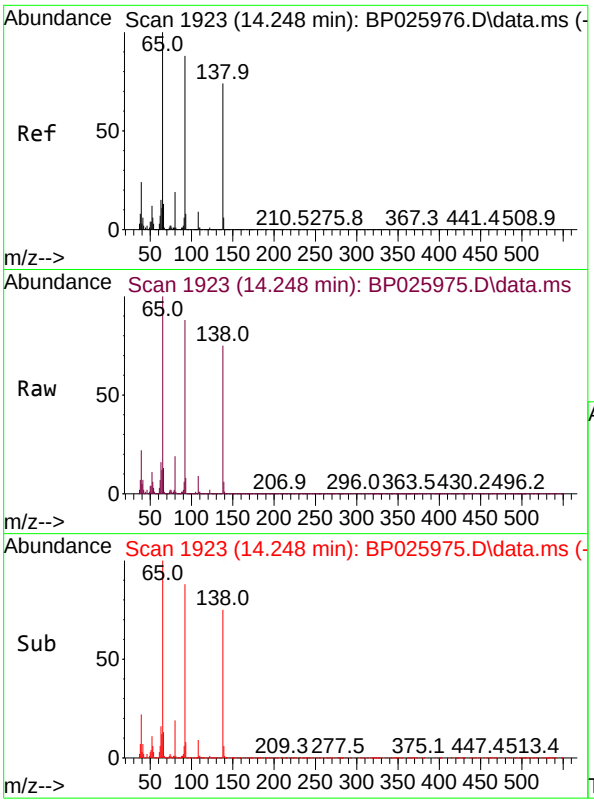


#52
Acenaphthene
Concen: 21.601 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:154 Resp: 616090

Ion	Ratio	Lower	Upper
154	100		
153	112.0	90.2	135.2
152	52.9	42.2	63.2



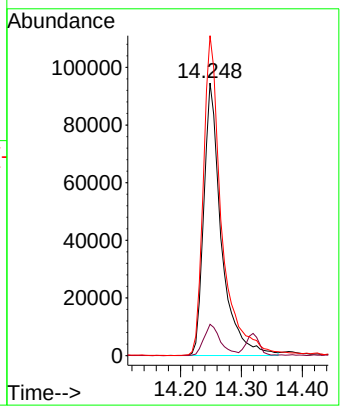


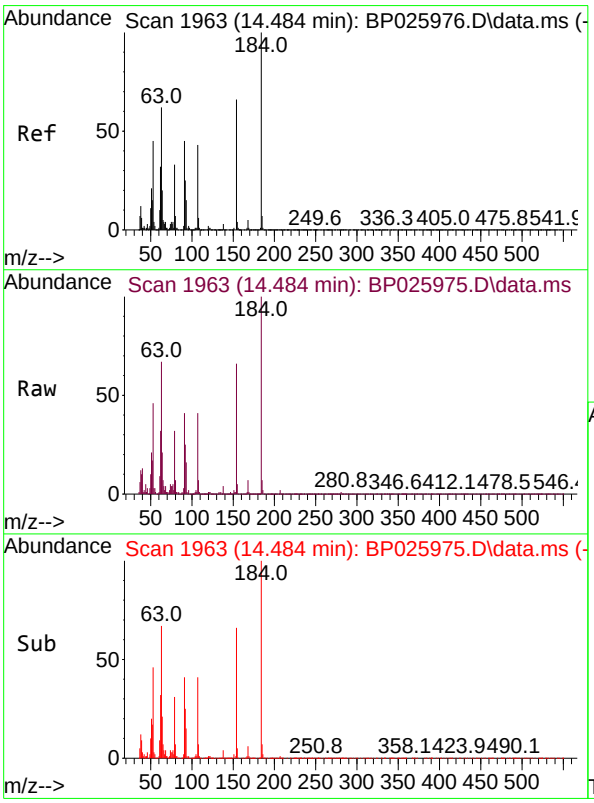
#53
3-Nitroaniline
Concen: 22.776 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 189200

Ion	Ratio	Lower	Upper
138	100		
108	11.5	10.0	15.0
92	117.4	96.1	144.1

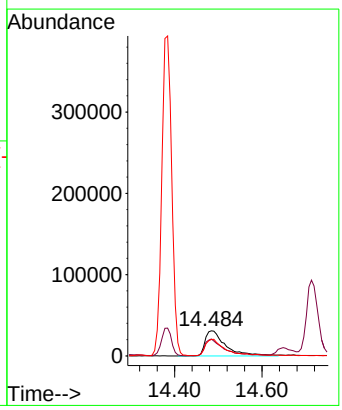


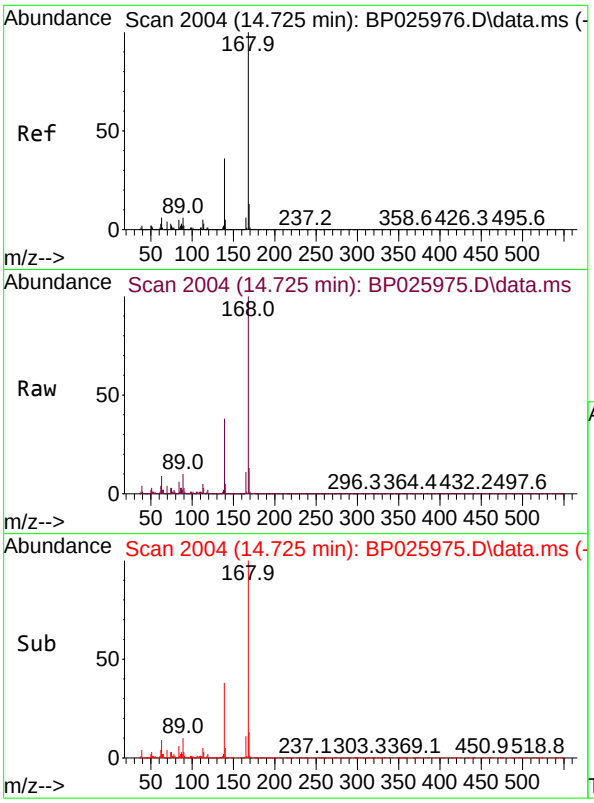


#54
2,4-Dinitrophenol
Concen: 21.609 ng
RT: 14.484 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:184 Resp: 99515

Ion	Ratio	Lower	Upper
184	100		
63	67.2	50.2	75.2
154	65.7	54.2	81.4



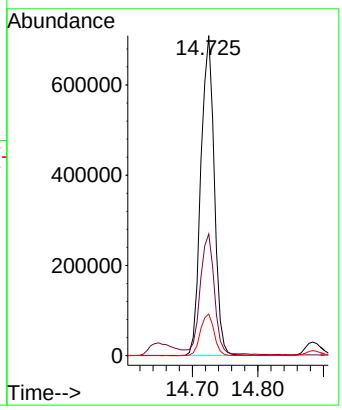


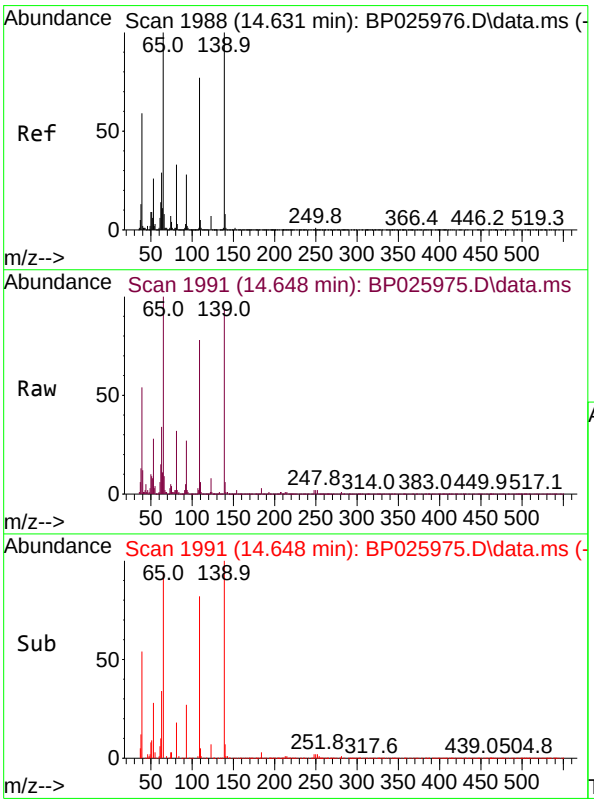
#55
Dibenzofuran
Concen: 21.909 ng
RT: 14.725 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1000566

Ion	Ratio	Lower	Upper
168	100		
139	38.0	30.5	45.7
169	13.0	10.6	15.8

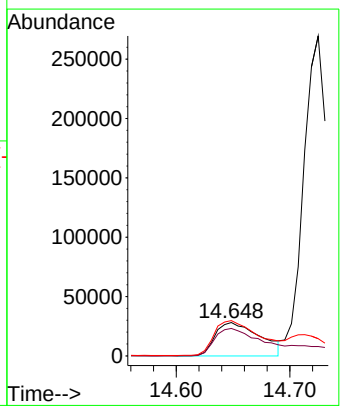


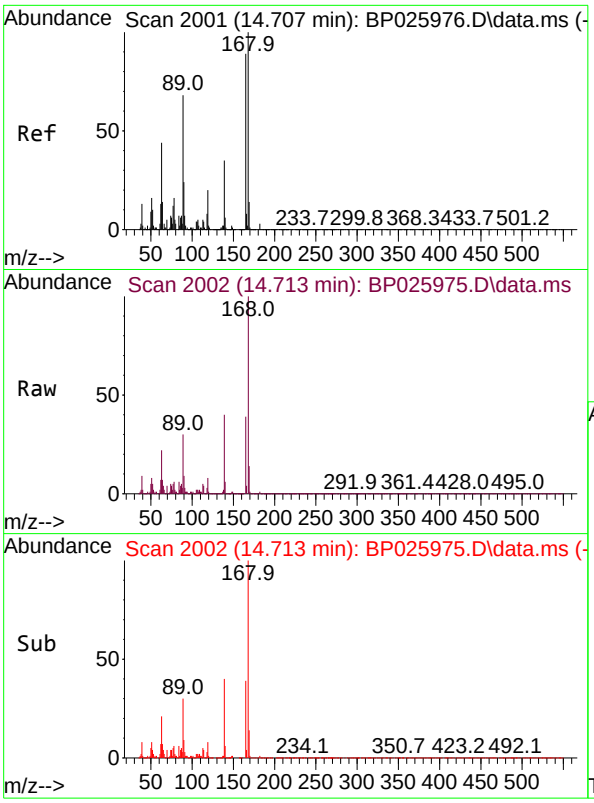


#56
4-Nitrophenol
Concen: 15.115 ng
RT: 14.648 min Scan# 1991
Delta R.T. 0.018 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:139 Resp: 77058

Ion	Ratio	Lower	Upper
139	100		
109	82.6	57.6	97.6
65	106.1	81.4	121.4



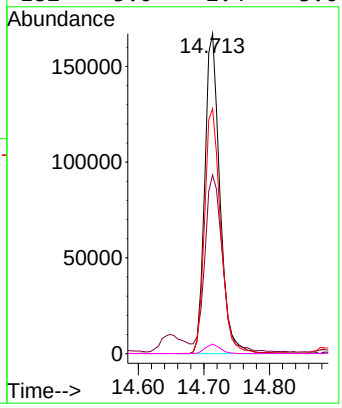


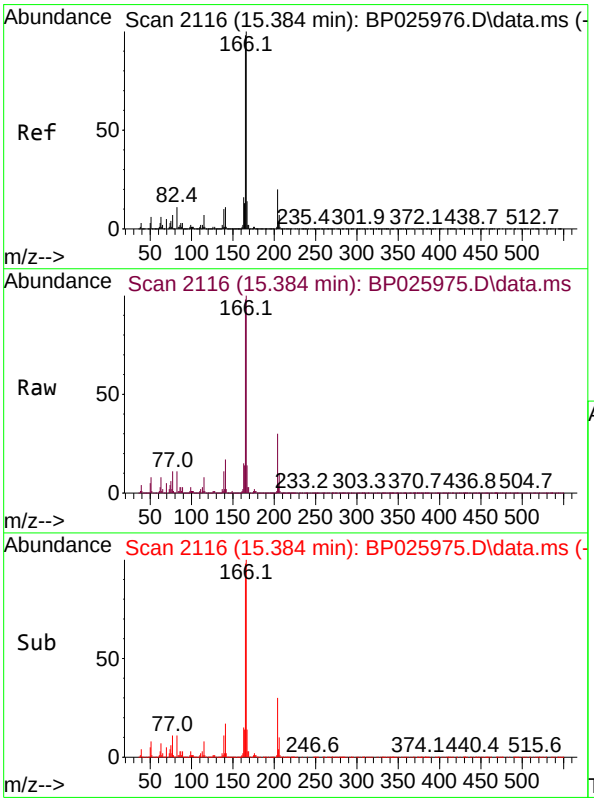
#57
2,4-Dinitrotoluene
Concen: 23.285 ng
RT: 14.713 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 266298

Ion	Ratio	Lower	Upper
165	100		
63	55.8	41.8	62.6
89	76.5	61.6	92.4
182	3.0	2.4	3.6

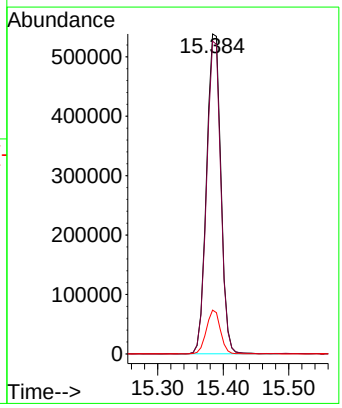


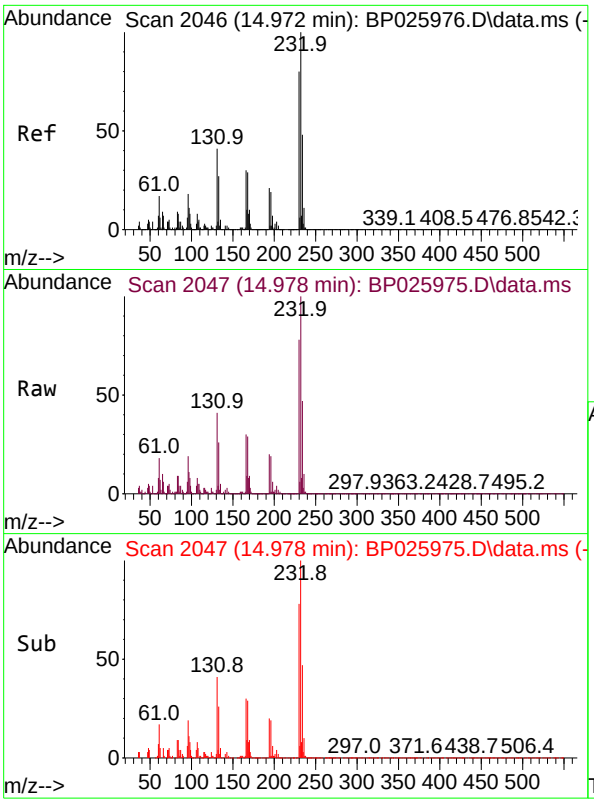


#58
Fluorene
Concen: 22.195 ng
RT: 15.384 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:166 Resp: 814484

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.2
167	13.7	10.8	16.2



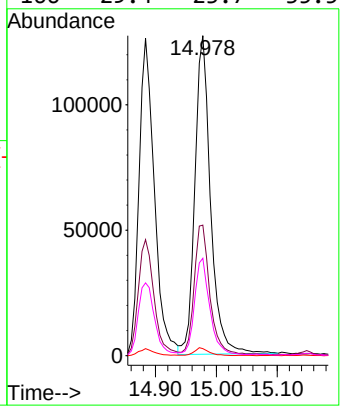


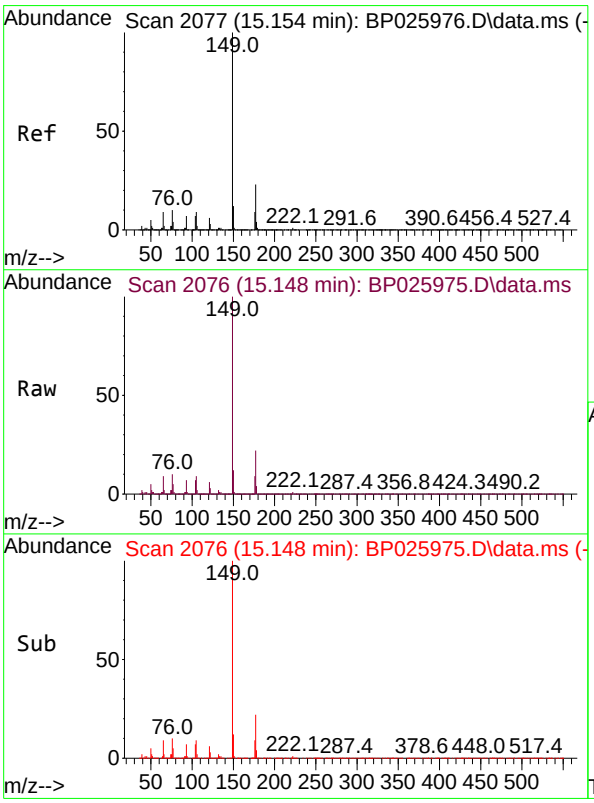
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.773 ng
RT: 14.978 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 227413

Ion	Ratio	Lower	Upper
232	100		
131	41.1	33.8	50.8
130	2.3	1.8	2.8
166	29.4	23.7	35.5

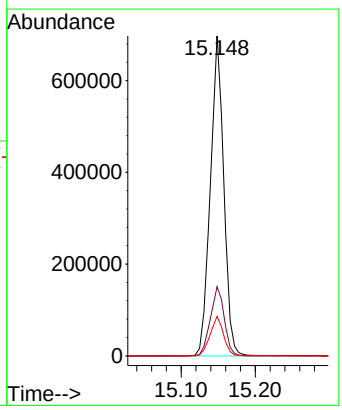


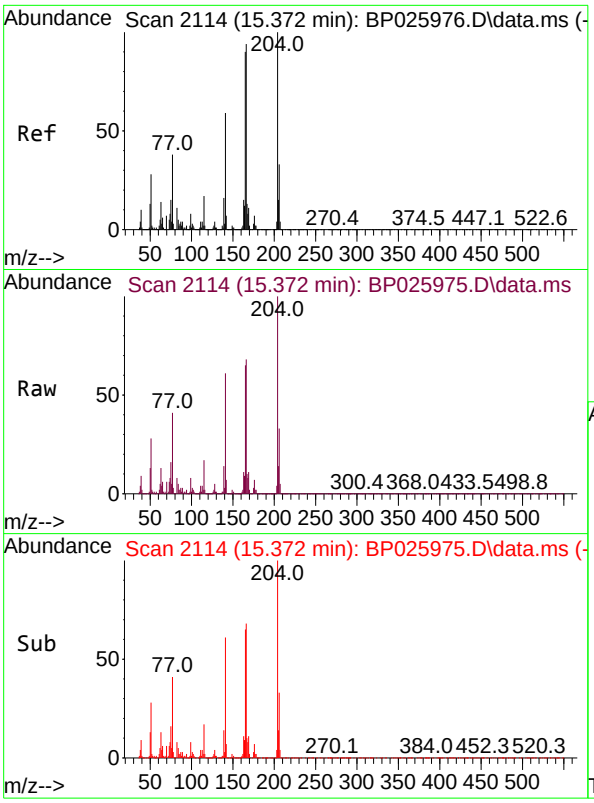


#60
Diethylphthalate
Concen: 22.743 ng
RT: 15.148 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:149 Resp: 876581

Ion	Ratio	Lower	Upper
149	100		
177	21.6	18.2	27.2
150	12.4	9.8	14.6



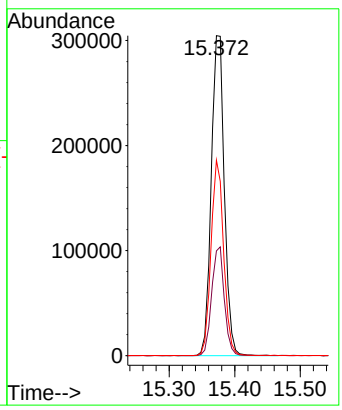


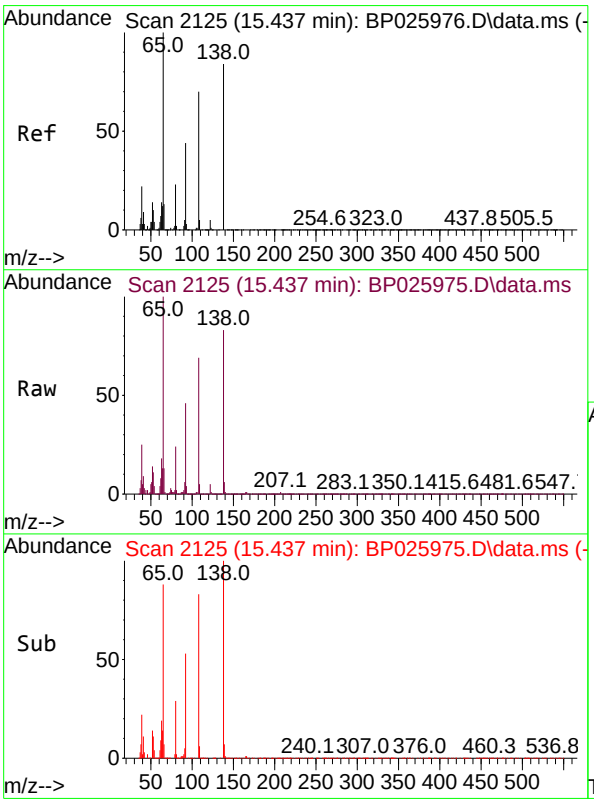
#61
4-Chlorophenyl-phenylether
Concen: 21.870 ng
RT: 15.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 422031

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	61.1	47.2	70.8

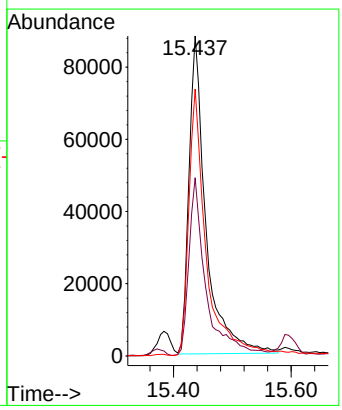


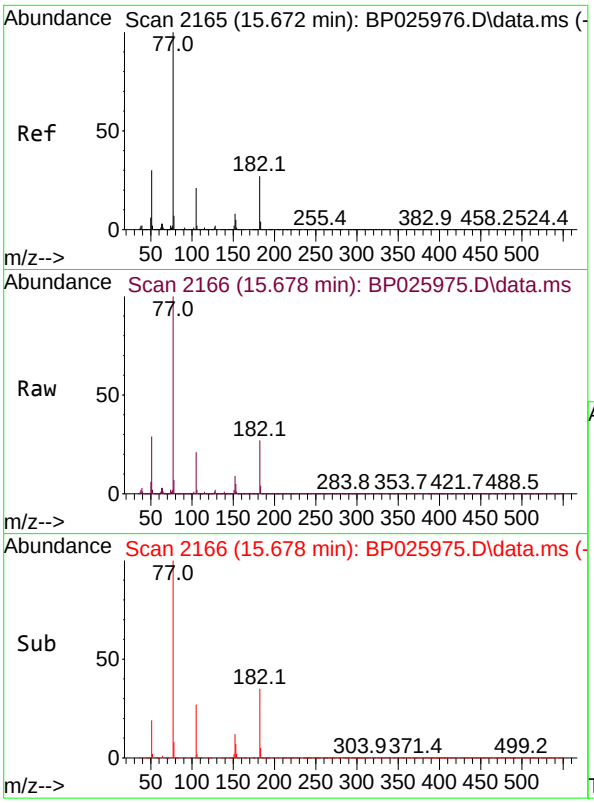


#62
4-Nitroaniline
Concen: 23.183 ng
RT: 15.437 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:138 Resp: 177470

Ion	Ratio	Lower	Upper
138	100		
92	55.7	32.5	72.5
108	83.4	62.7	102.7



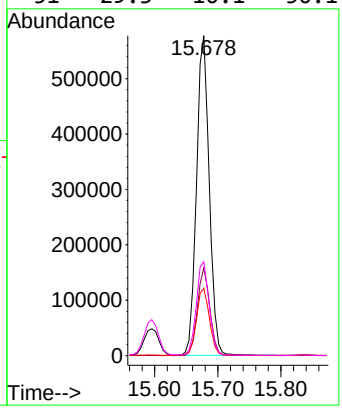


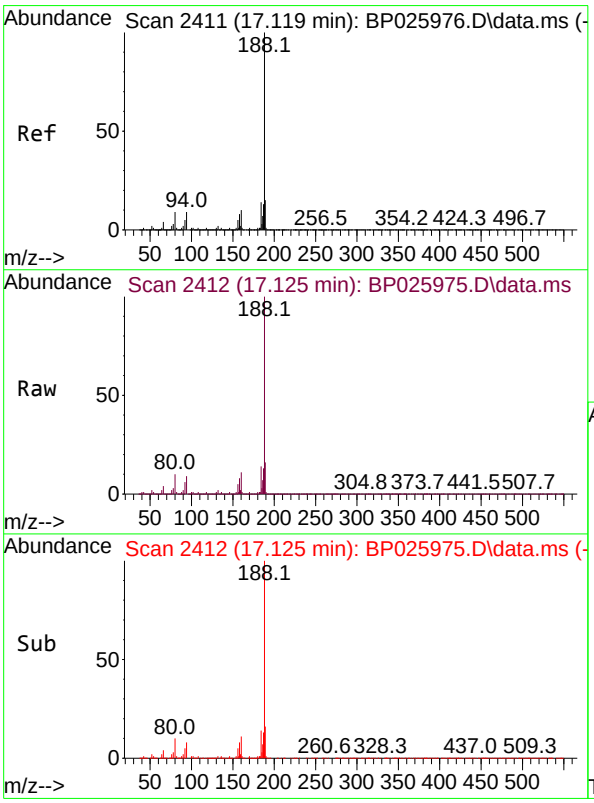
#63
Azobenzene
Concen: 22.502 ng
RT: 15.678 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 808398

Ion	Ratio	Lower	Upper
77	100		
182	27.4	6.6	46.6
105	21.0	1.3	41.3
51	29.3	10.1	50.1

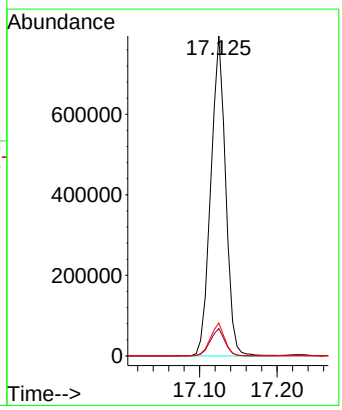


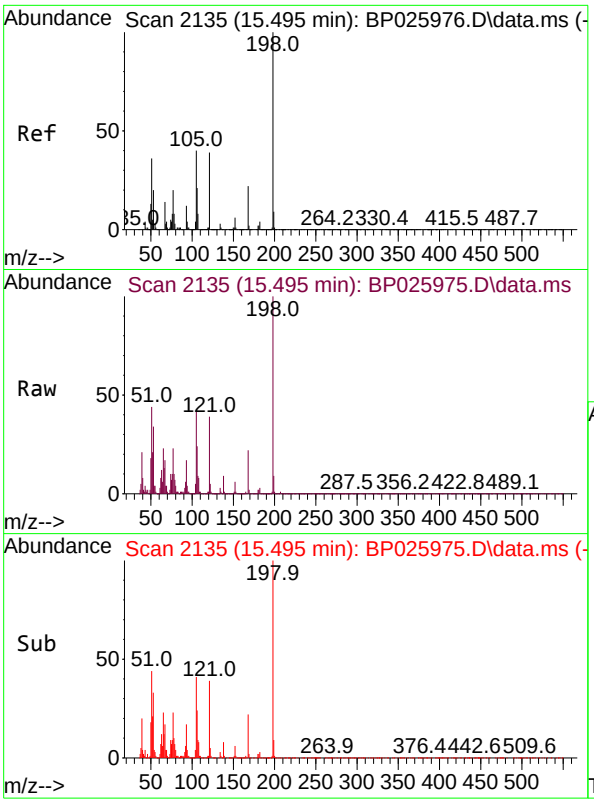


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:188 Resp: 1051972

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	10.3	7.2	10.8



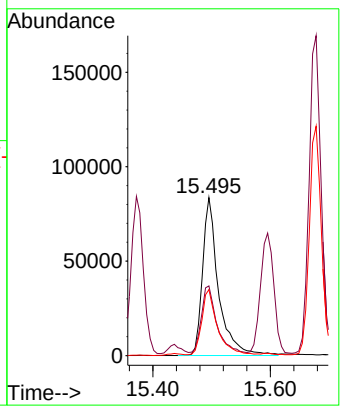


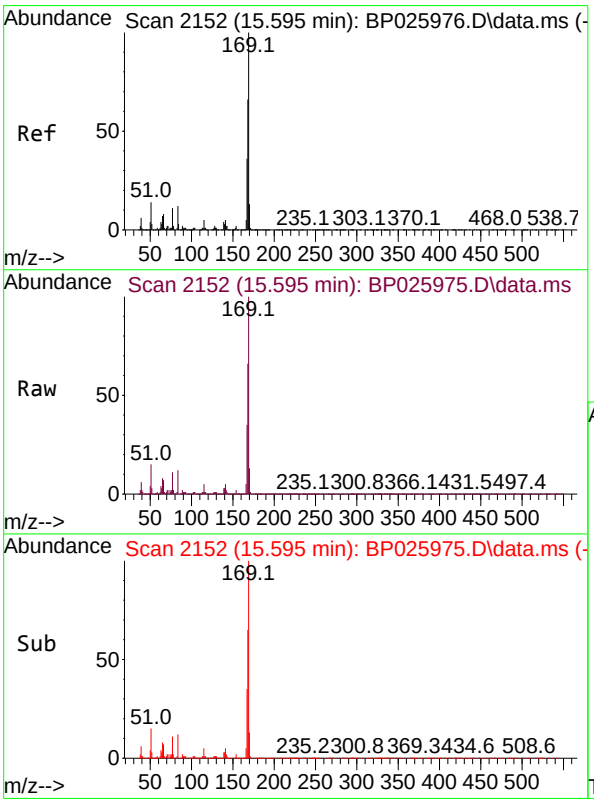
#65
4,6-Dinitro-2-methylphenol
Concen: 20.780 ng
RT: 15.495 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 157990

Ion	Ratio	Lower	Upper
198	100		
51	44.1	22.1	62.1
105	41.7	20.8	60.8

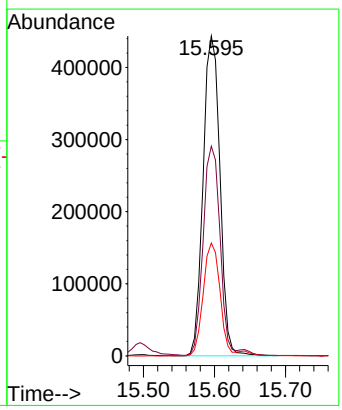


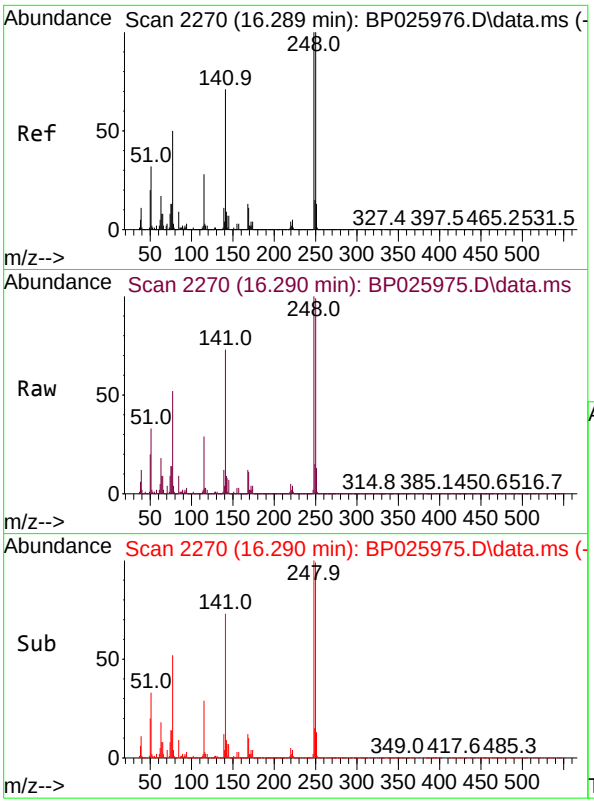


#66
n-Nitrosodiphenylamine
Concen: 21.547 ng
RT: 15.595 min Scan# 2152
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:169 Resp: 729283

Ion	Ratio	Lower	Upper
169	100		
168	65.5	53.2	79.8
167	35.3	28.6	42.8



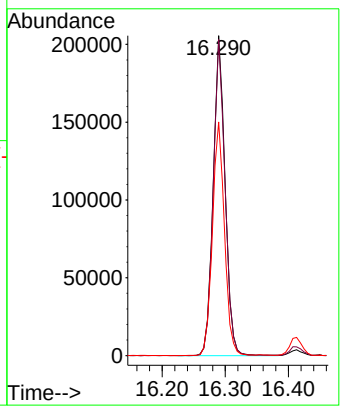


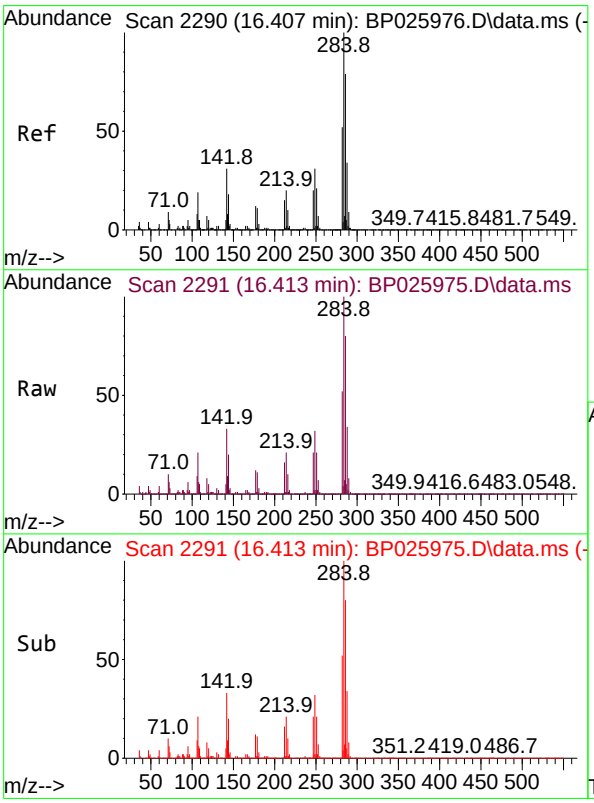
#67
4-Bromophenyl-phenylether
Concen: 20.769 ng
RT: 16.290 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 269668

Ion	Ratio	Lower	Upper
248	100		
250	98.8	79.8	119.6
141	73.0	57.0	85.4

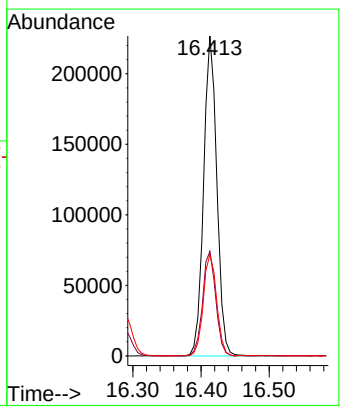


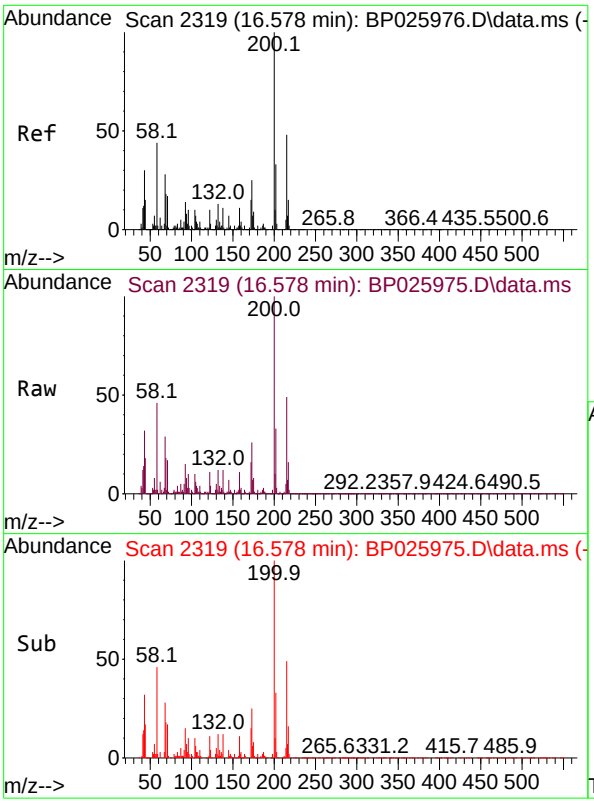


#68
Hexachlorobenzene
Concen: 20.954 ng
RT: 16.413 min Scan# 2291
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:284 Resp: 305226

Ion	Ratio	Lower	Upper
284	100		
142	32.7	24.9	37.3
249	31.7	25.1	37.7



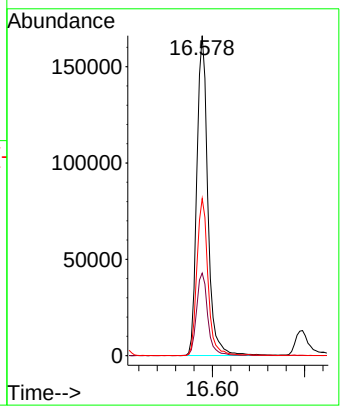


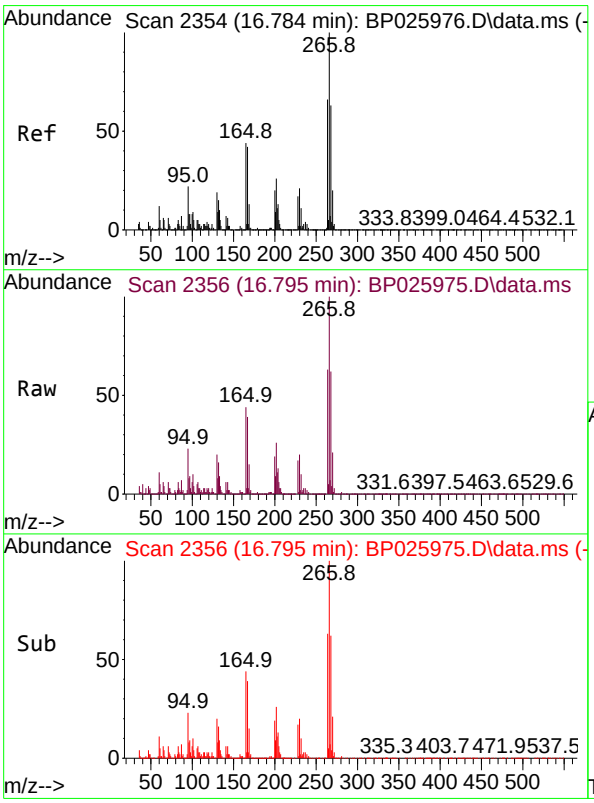
#69
Atrazine
Concen: 22.522 ng
RT: 16.578 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 274993

Ion	Ratio	Lower	Upper
200	100		
173	25.8	5.3	45.3
215	49.1	28.2	68.2

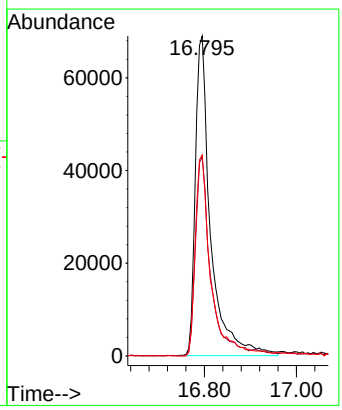


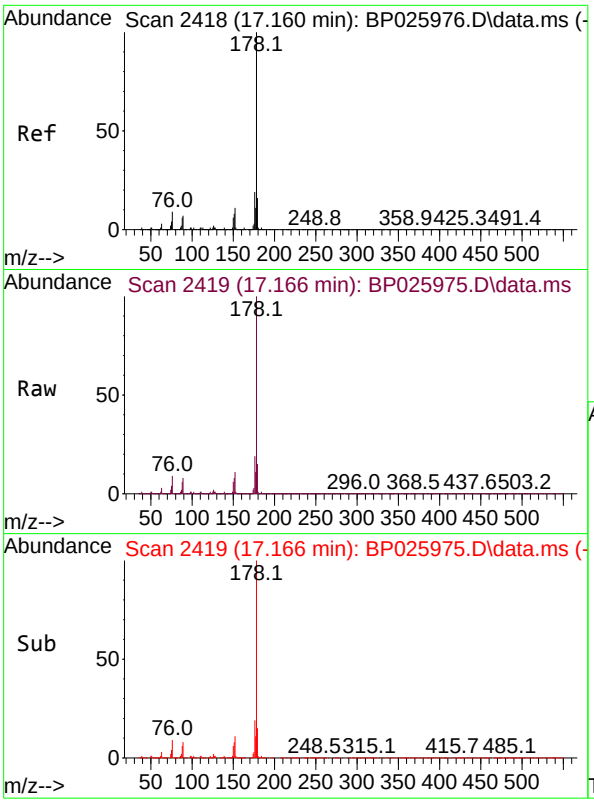


#70
Pentachlorophenol
Concen: 20.557 ng
RT: 16.795 min Scan# 2356
Delta R.T. 0.012 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:266 Resp: 158644

Ion	Ratio	Lower	Upper
266	100		
268	62.2	50.5	75.7
264	62.7	52.9	79.3



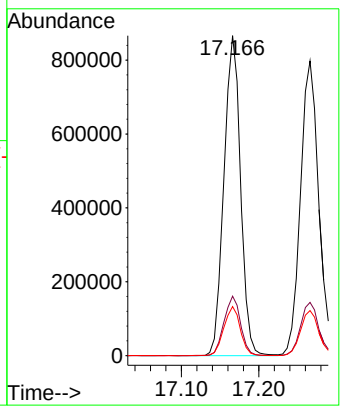


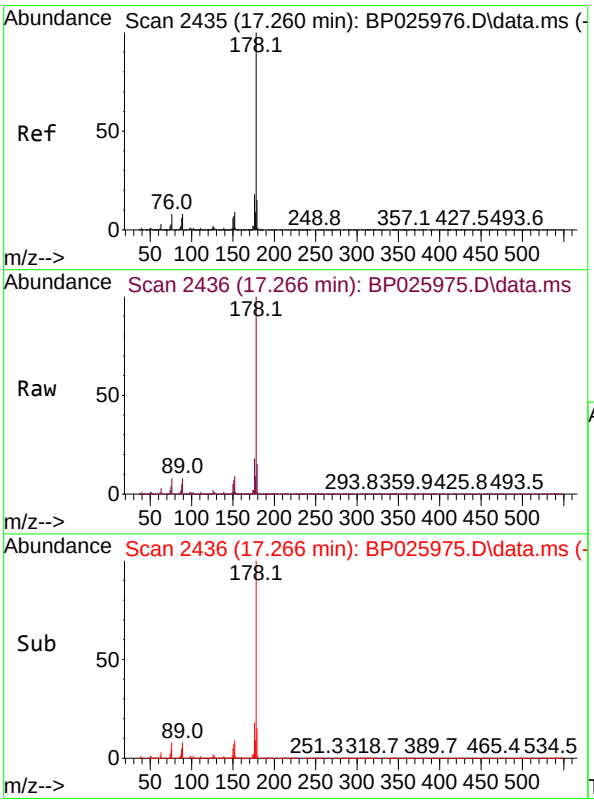
#71
Phenanthrene
Concen: 21.676 ng
RT: 17.166 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1292359

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	15.3	12.7	19.1

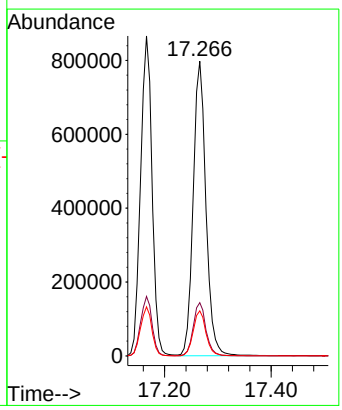


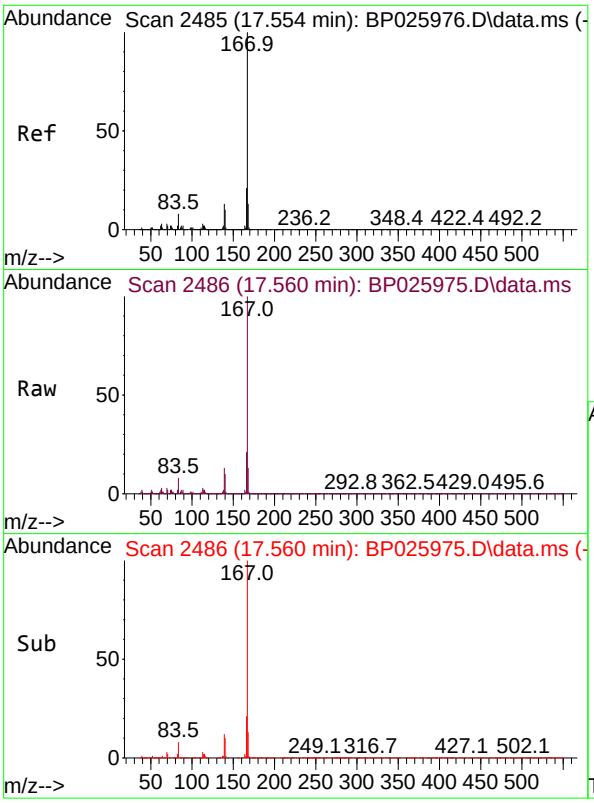


#72
Anthracene
Concen: 21.769 ng
RT: 17.266 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:178 Resp: 1325791

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	15.3	12.3	18.5



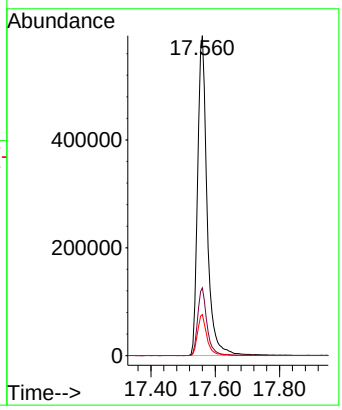


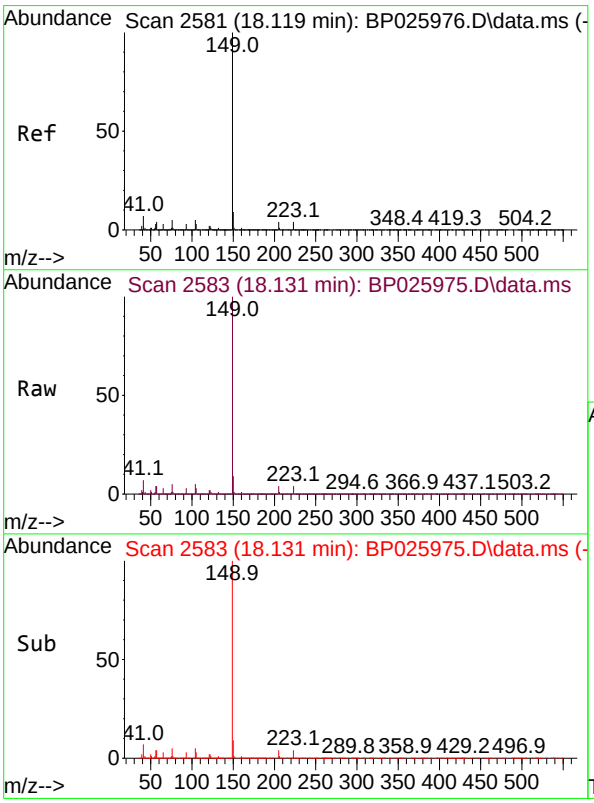
#73
Carbazole
Concen: 22.651 ng
RT: 17.560 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1216069

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.7	25.1
139	12.8	10.2	15.2

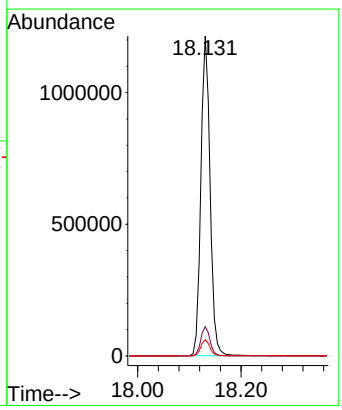


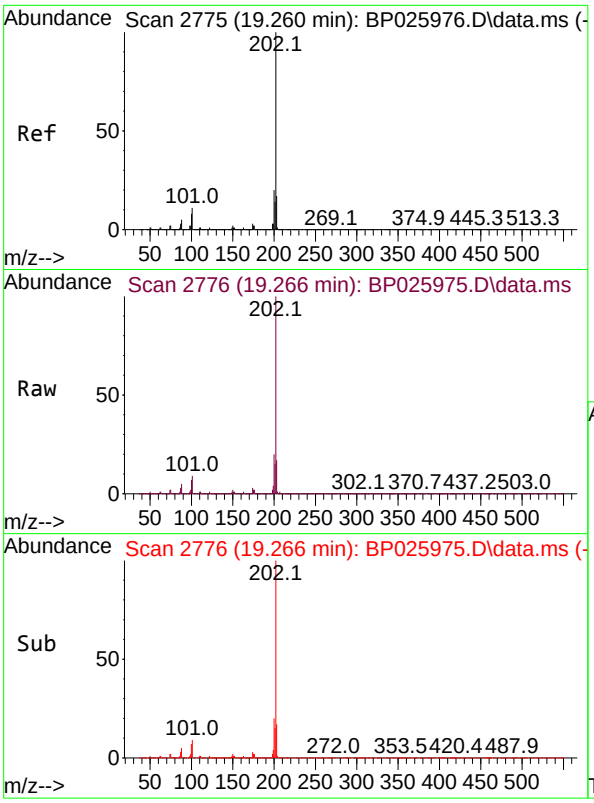


#74
Di-n-butylphthalate
Concen: 22.685 ng
RT: 18.131 min Scan# 2583
Delta R.T. 0.012 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:149 Resp: 1498847

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	5.1	4.1	6.1



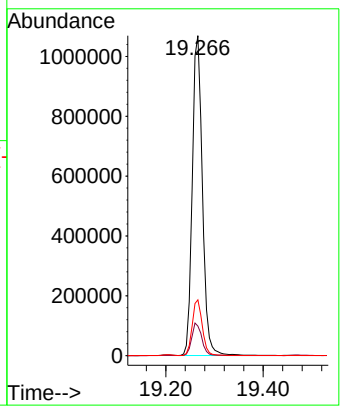


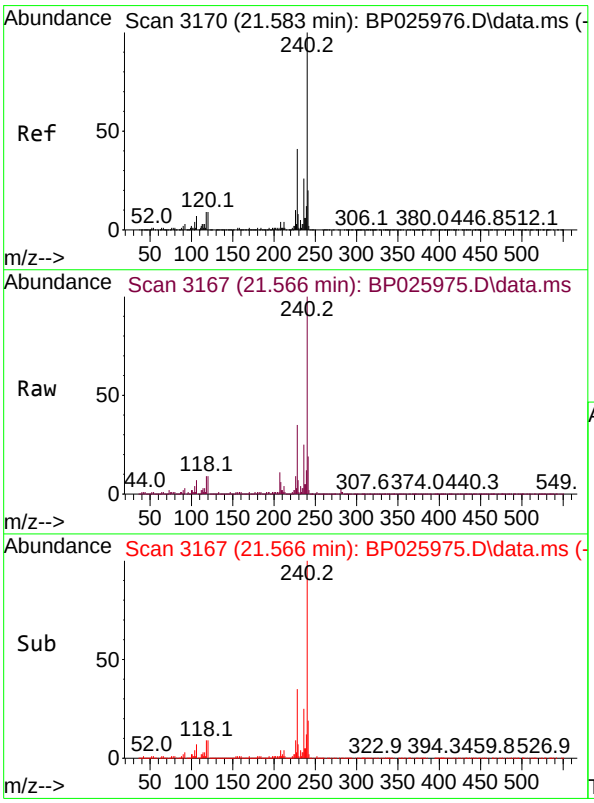
#75
Fluoranthene
Concen: 22.813 ng
RT: 19.266 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1534276

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.5
203	17.4	0.0	37.1

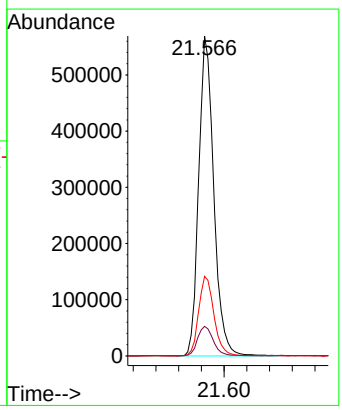


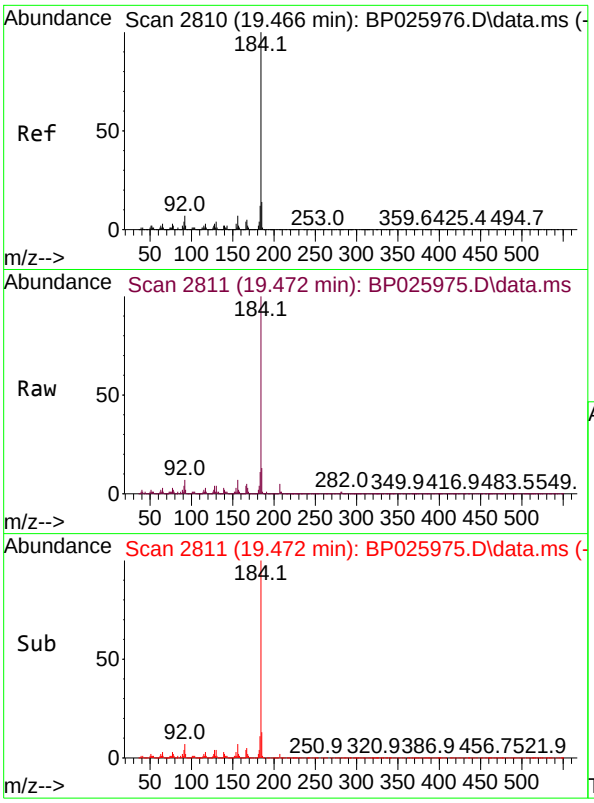


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:240 Resp: 1045159

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.4	11.0
236	24.9	20.4	30.6



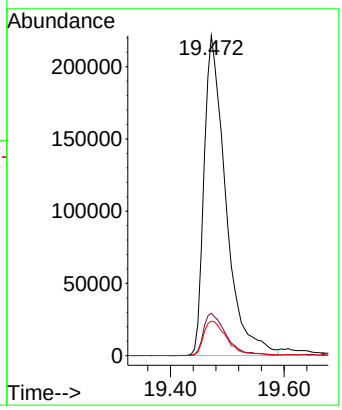


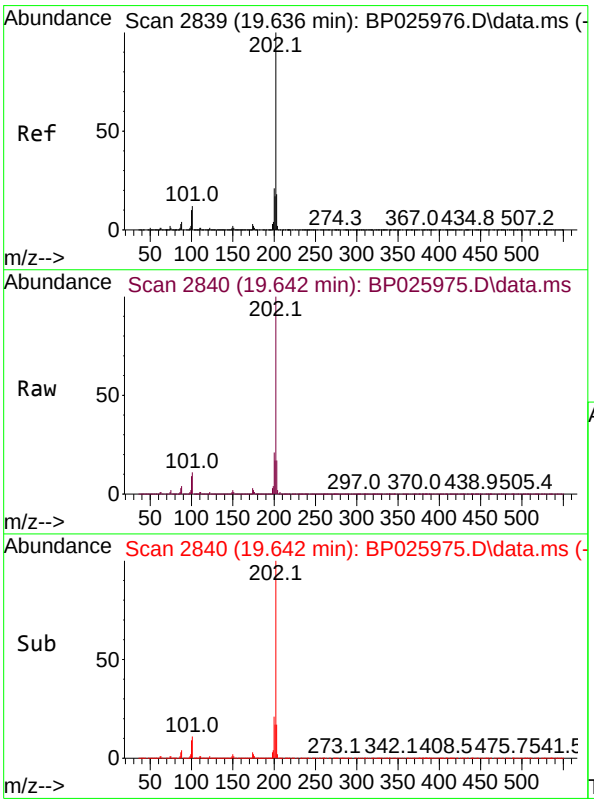
#77
Benzidine
Concen: 17.614 ng
RT: 19.472 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 589867

Ion	Ratio	Lower	Upper
184	100		
185	13.2	11.4	17.0
183	10.8	9.4	14.2

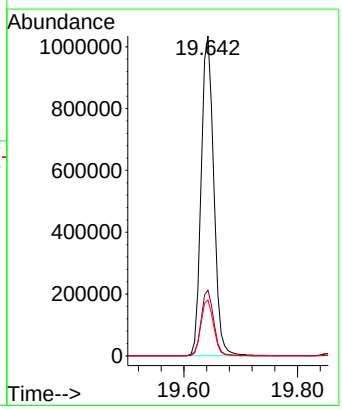


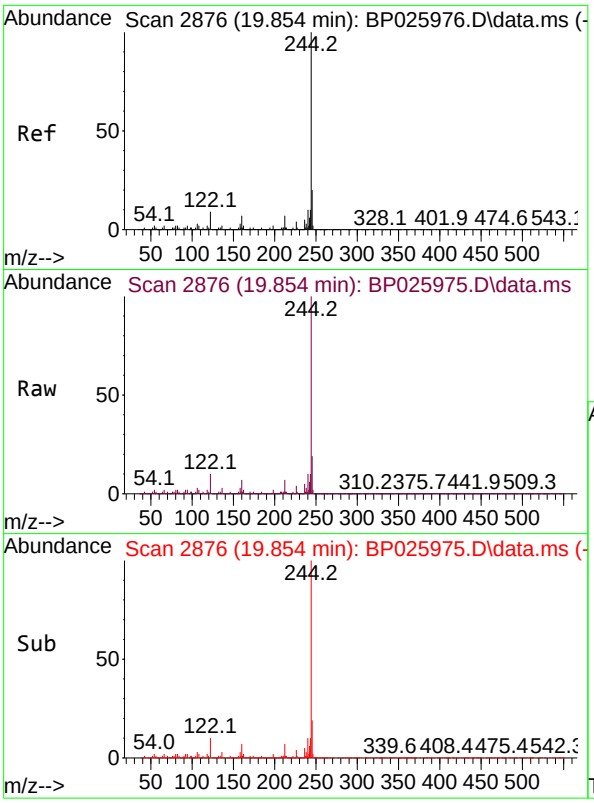


#78
Pyrene
Concen: 20.680 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:202 Resp: 1594148

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	17.5	14.1	21.1



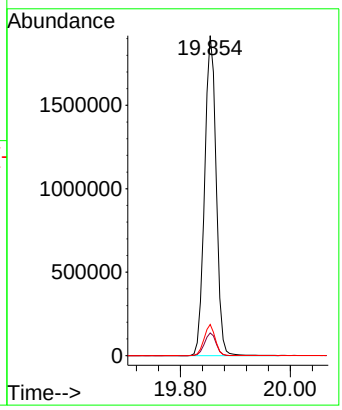


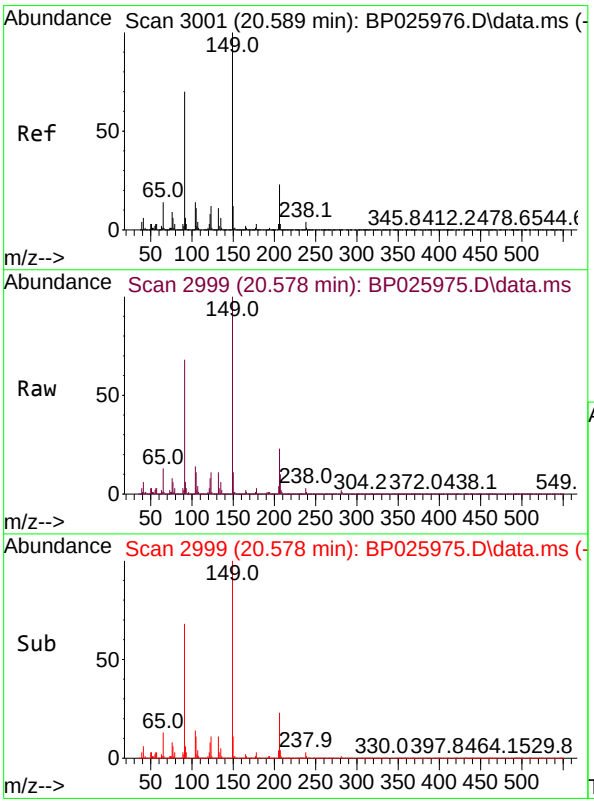
#79
Terphenyl-d14
Concen: 42.790 ng
RT: 19.854 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2798303

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	9.7	7.1	10.7

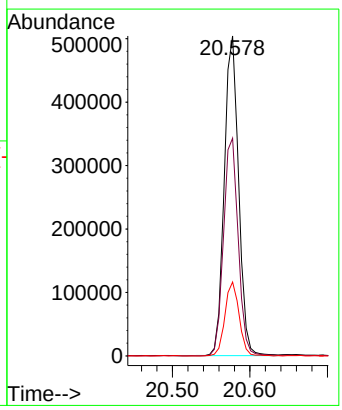


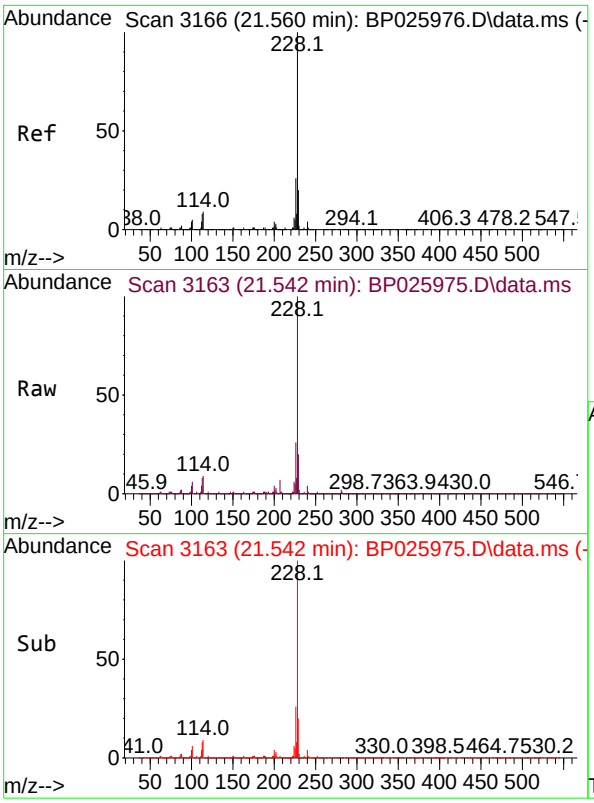


#80
Butylbenzylphthalate
Concen: 21.180 ng
RT: 20.578 min Scan# 2999
Delta R.T. -0.012 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:149 Resp: 649727

Ion	Ratio	Lower	Upper
149	100		
91	68.0	56.0	84.0
206	23.1	18.6	27.8



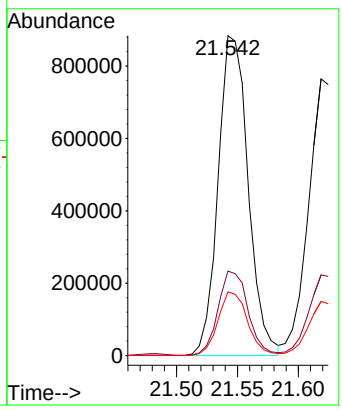


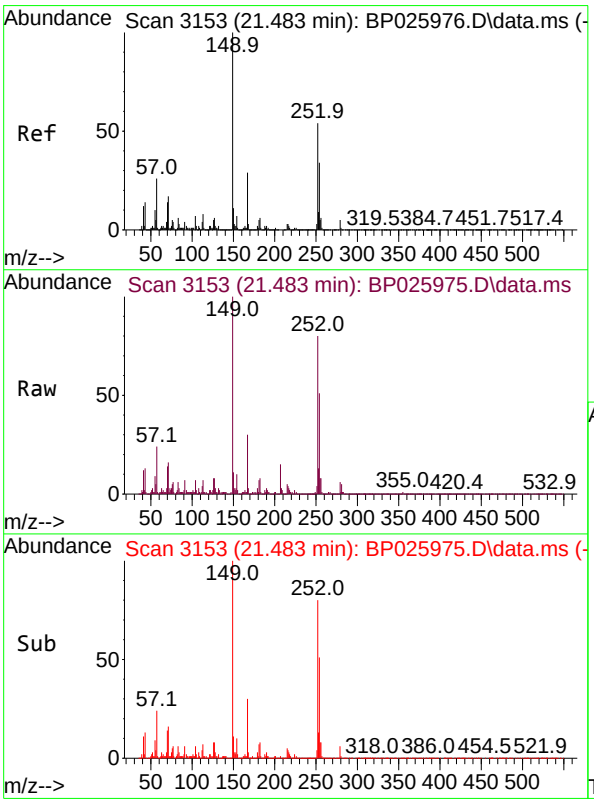
#81
Benzo(a)anthracene
Concen: 21.226 ng
RT: 21.542 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1517268

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.0	31.6
229	19.9	15.7	23.5

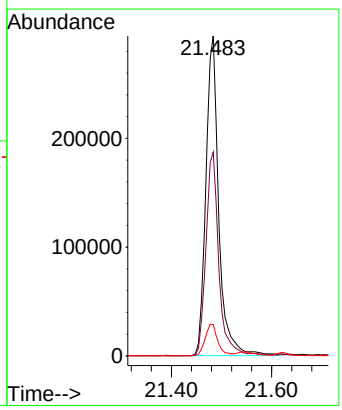


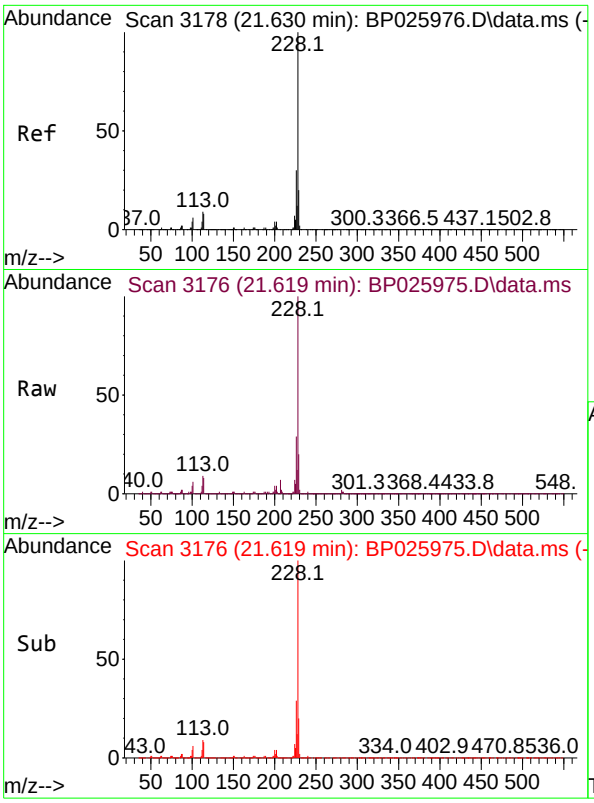


#82
3,3'-Dichlorobenzidine
Concen: 20.586 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:252 Resp: 523671

Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.6	75.8
126	9.8	8.0	12.0



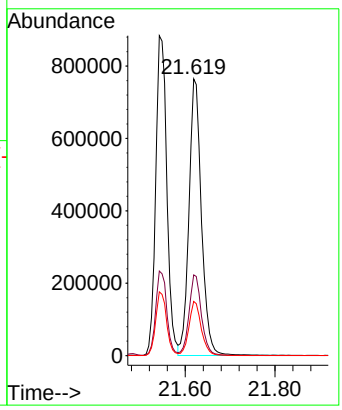


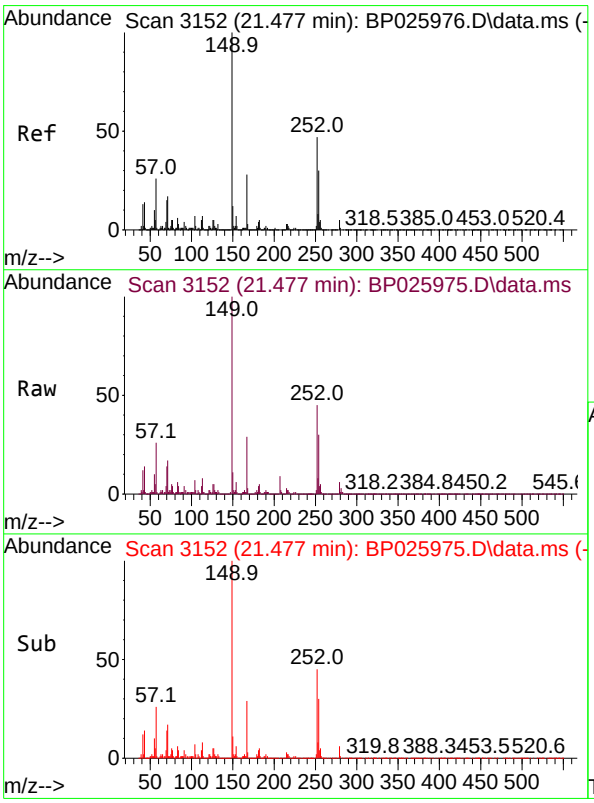
#83
Chrysene
Concen: 21.516 ng
RT: 21.619 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1470594

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.5	35.3
229	19.6	15.6	23.4

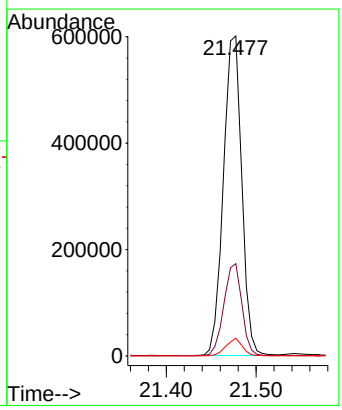


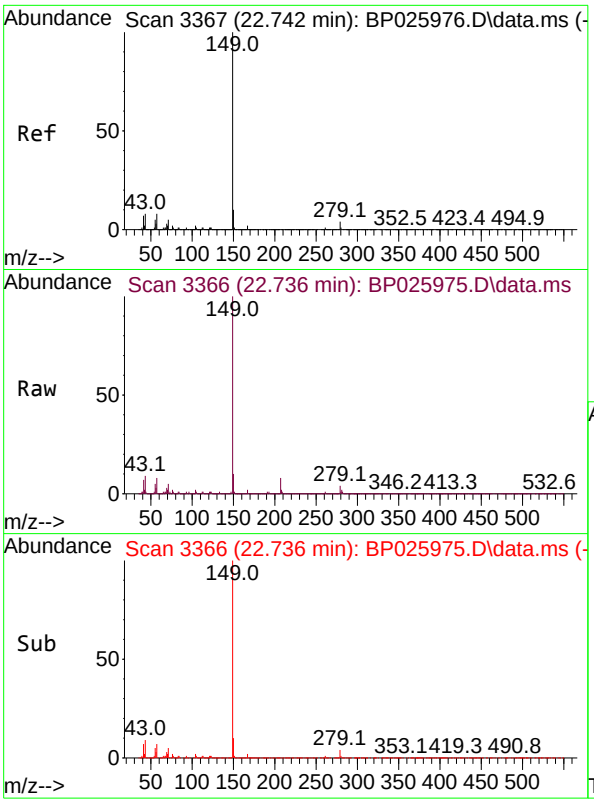


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.248 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:149 Resp: 857470

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.8	34.2
279	5.5	3.8	5.8



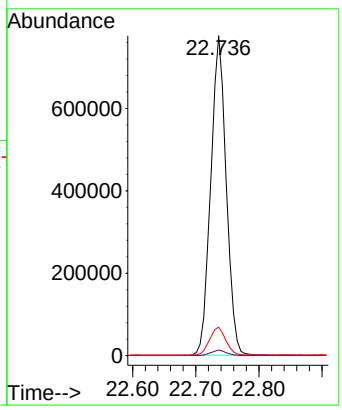


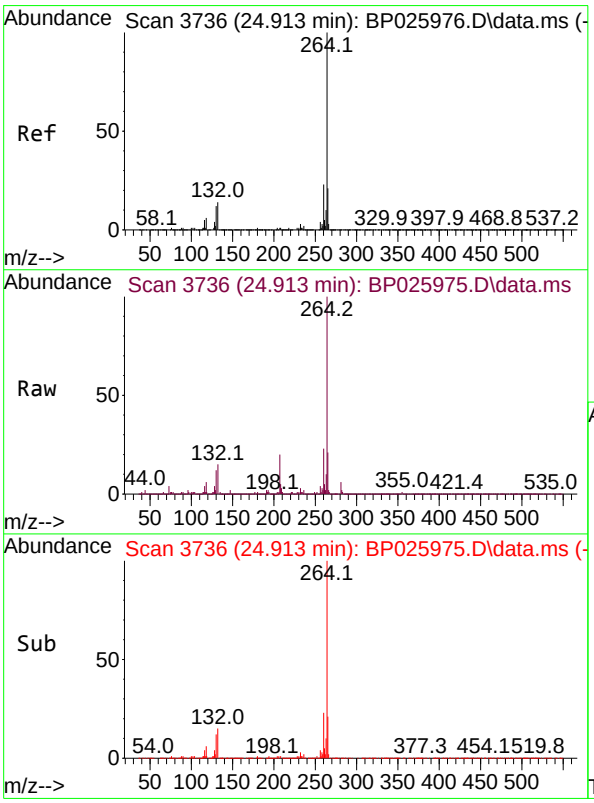
#85
Di-n-octyl phthalate
Concen: 18.286 ng
RT: 22.736 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1322295

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	9.3	7.2	10.8

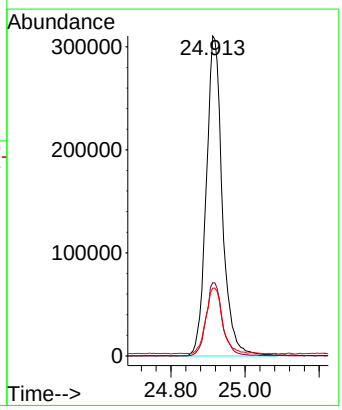


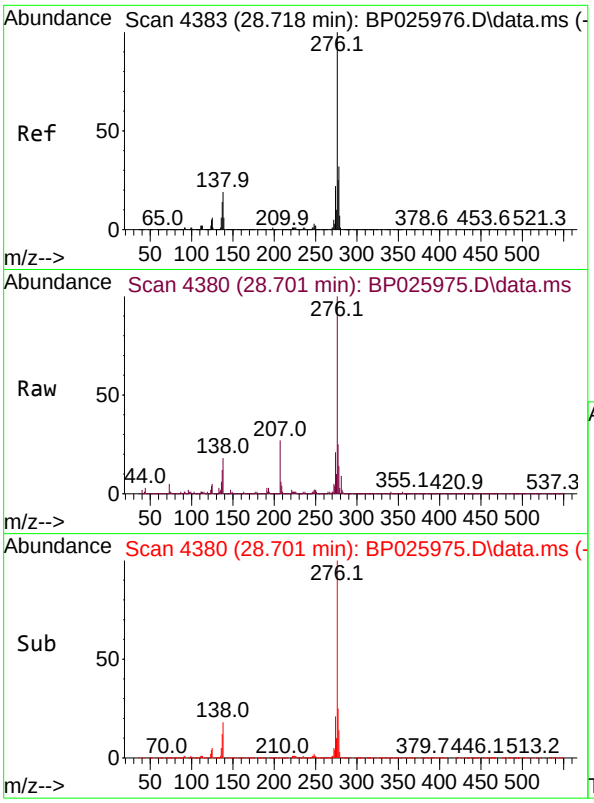


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.913 min Scan# 3736
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:264 Resp: 933557

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.4	27.6
265	21.2	17.7	26.5



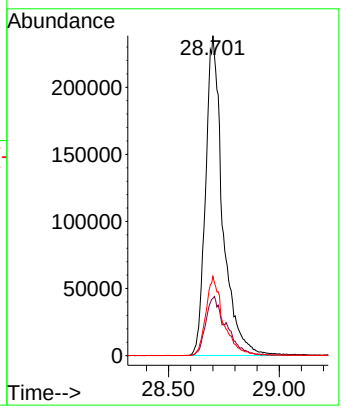


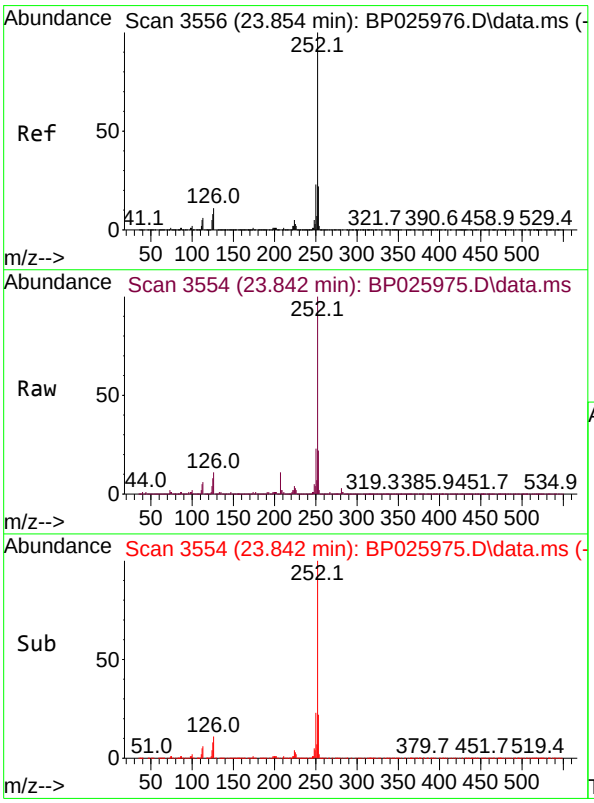
#87
Indeno(1,2,3-cd)pyrene
Concen: 18.247 ng
RT: 28.701 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 1283190

Ion	Ratio	Lower	Upper
276	100		
138	16.2	17.4	26.0#
277	25.1	20.3	30.5

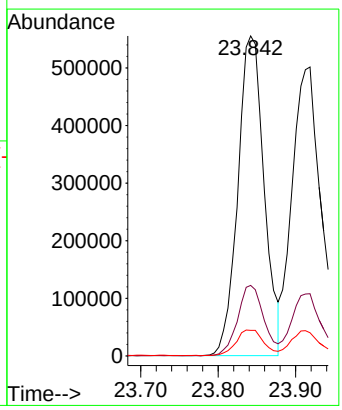


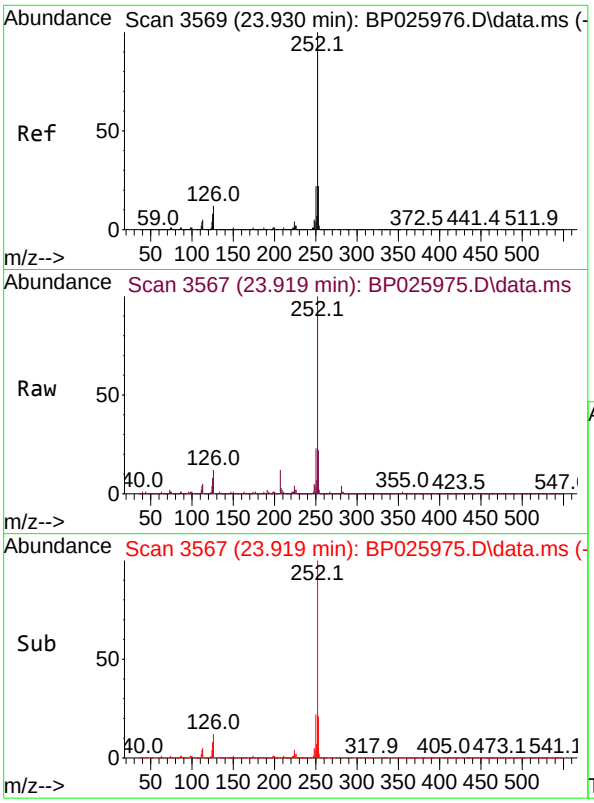


#88
Benzo(b)fluoranthene
Concen: 22.524 ng
RT: 23.842 min Scan# 3554
Delta R.T. -0.012 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:252 Resp: 1309602

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	8.0	6.8	10.2



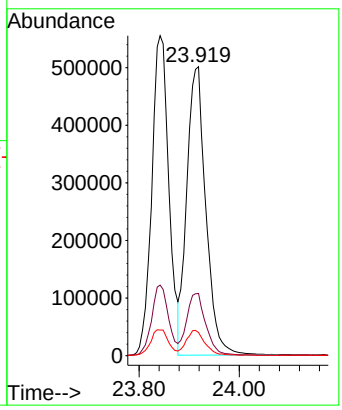


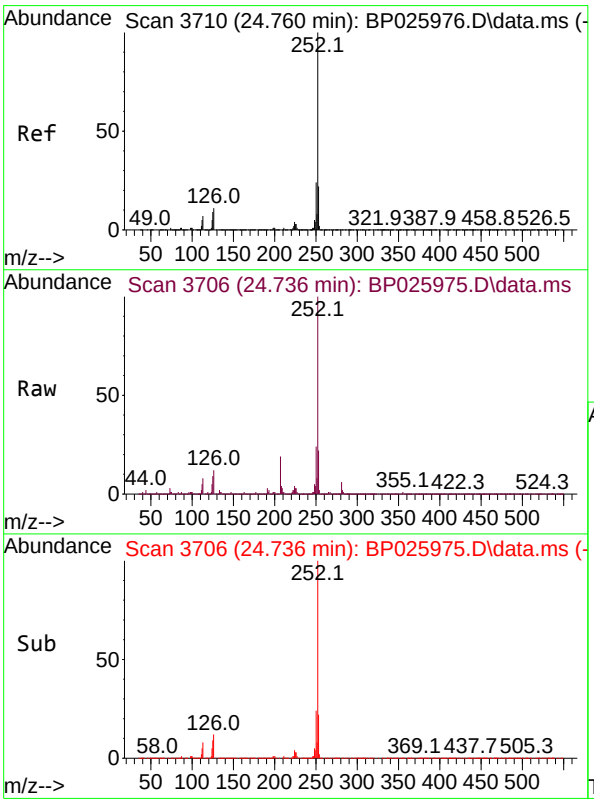
#89
Benzo(k)fluoranthene
Concen: 22.397 ng
RT: 23.919 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1321543

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	8.0	6.6	10.0

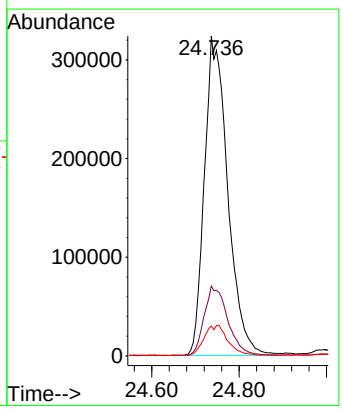


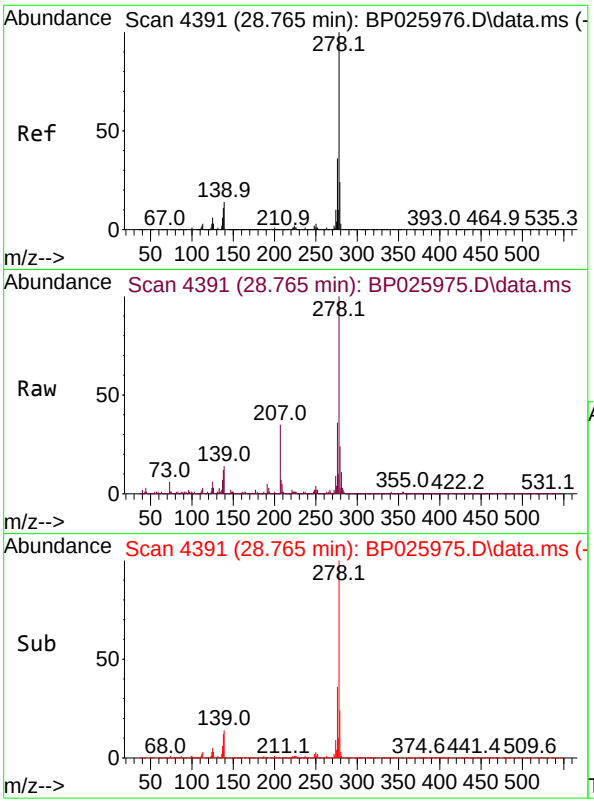


#90
Benzo(a)pyrene
Concen: 21.193 ng
RT: 24.736 min Scan# 3706
Delta R.T. -0.023 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:252 Resp: 1197223

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.3	7.4	11.2



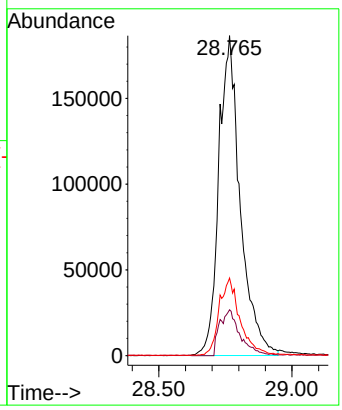


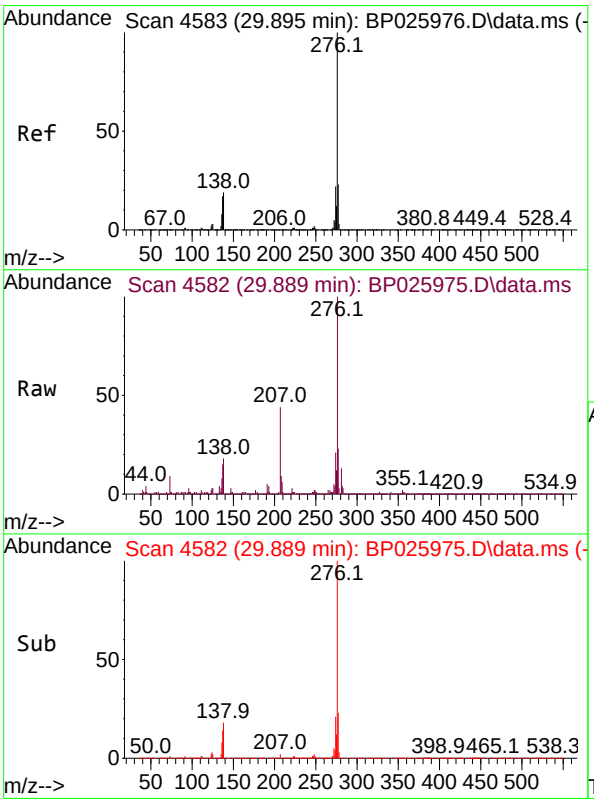
#91
Dibenzo(a,h)anthracene
Concen: 18.150 ng
RT: 28.765 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1040493

Ion	Ratio	Lower	Upper
278	100		
139	14.3	10.9	16.3
279	24.2	19.5	29.3

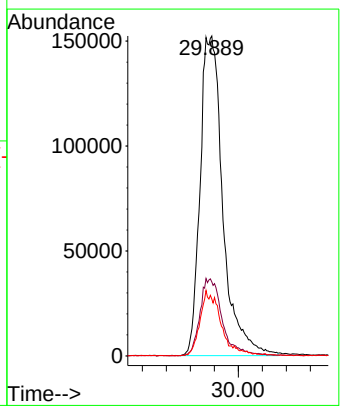




#92
Benzo(g,h,i)perylene
Concen: 17.866 ng
RT: 29.889 min Scan# 4582
Delta R.T. -0.006 min
Lab File: BP025975.D
Acq: 15 Oct 2025 13:48

Tgt Ion:276 Resp: 1003512

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	17.8	15.5	23.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025976.D
Acq On : 15 Oct 2025 14:29
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

Quant Time: Oct 15 23:09:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.696	152	142472	20.000	ng	0.00
21) Naphthalene-d8	10.460	136	609664	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	392304	20.000	ng	0.00
64) Phenanthrene-d10	17.119	188	714500	20.000	ng	0.00
76) Chrysene-d12	21.583	240	676538	20.000	ng	0.00
86) Perylene-d12	24.913	264	760985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.337	112	786653	90.526	ng	0.00
7) Phenol-d6	6.908	99	1090256	89.904	ng	0.00
23) Nitrobenzene-d5	8.849	82	1230420	90.713	ng	0.00
42) 2,4,6-Tribromophenol	15.842	330	454692	86.094	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	2772576	90.585	ng	0.00
79) Terphenyl-d14	19.854	244	3540290	83.632	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.249	88	154848	44.986	ng	100
3) Pyridine	3.655	79	435907	45.382	ng	100
4) n-Nitrosodimethylamine	3.561	42	188726	44.833	ng	100
6) Aniline	7.043	93	723810	44.583	ng	100
8) 2-Chlorophenol	7.278	128	449770	44.661	ng	100
9) Benzaldehyde	6.861	77	279538	43.197	ng	100
10) Phenol	6.931	94	562406	45.933	ng	100
11) bis(2-Chloroethyl)ether	7.131	93	449028	44.977	ng	100
12) 1,3-Dichlorobenzene	7.584	146	494771	44.314	ng	100
13) 1,4-Dichlorobenzene	7.737	146	505637	44.449	ng	100
14) 1,2-Dichlorobenzene	8.049	146	489694	44.004	ng	100
15) Benzyl Alcohol	7.949	79	441536	42.777	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.213	45	672107	43.717	ng	100
17) 2-Methylphenol	8.160	107	393573	44.846	ng	100
18) Hexachloroethane	8.760	117	193465	44.567	ng	100
19) n-Nitroso-di-n-propyla...	8.496	70	380555	44.020	ng	100
20) 3+4-Methylphenols	8.490	107	528896	43.252	ng	100
22) Acetophenone	8.519	105	741071	44.712	ng	100
24) Nitrobenzene	8.890	77	547896	45.424	ng	100
25) Isophorone	9.419	82	1059216	43.480	ng	100
26) 2-Nitrophenol	9.602	139	268486	45.962	ng	100
27) 2,4-Dimethylphenol	9.666	122	447770	45.235	ng	100
28) bis(2-Chloroethoxy)met...	9.878	93	634135	44.499	ng	100
29) 2,4-Dichlorophenol	10.154	162	442014	44.815	ng	100
30) 1,2,4-Trichlorobenzene	10.331	180	498495	44.643	ng	100
31) Naphthalene	10.513	128	1449656	44.079	ng	100
32) Benzoic acid	9.884	122	297220m	41.356	ng	
33) 4-Chloroaniline	10.643	127	625448	44.782	ng	100
34) Hexachlorobutadiene	10.790	225	326672	44.205	ng	100
35) Caprolactam	11.454	113	143081	40.765	ng	100
36) 4-Chloro-3-methylphenol	11.784	107	496112	42.844	ng	100
37) 2-Methylnaphthalene	12.119	142	922673	42.850	ng	100
38) 1-Methylnaphthalene	12.348	142	969088	42.668	ng	100
40) 1,2,4,5-Tetrachloroben...	12.496	216	588634	46.079	ng	100
41) Hexachlorocyclopentadiene	12.466	237	297259	42.205	ng	100
43) 2,4,6-Trichlorophenol	12.754	196	373714	46.090	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025976.D
Acq On : 15 Oct 2025 14:29
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

Quant Time: Oct 15 23:09:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.860	196	406208	46.006	ng	100
46) 1,1'-Biphenyl	13.137	154	1337697	45.140	ng	100
47) 2-Chloronaphthalene	13.184	162	1042238	44.981	ng	100
48) 2-Nitroaniline	13.407	65	325746	45.107	ng	100
49) Acenaphthylene	14.037	152	1671650	44.619	ng	100
50) Dimethylphthalate	13.772	163	1266843	42.723	ng	100
51) 2,6-Dinitrotoluene	13.895	165	283053	44.211	ng	100
52) Acenaphthene	14.384	154	954427	44.116	ng	100
53) 3-Nitroaniline	14.248	138	282500	44.833	ng	100
54) 2,4-Dinitrophenol	14.484	184	157151	39.103	ng	100
55) Dibenzofuran	14.725	168	1532468	44.238	ng	100
56) 4-Nitrophenol	14.631	139	130388	33.716	ng	100
57) 2,4-Dinitrotoluene	14.707	165	378641	43.647	ng	100
58) Fluorene	15.384	166	1206386	43.340	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.972	232	340583	42.988	ng	100
60) Diethylphthalate	15.154	149	1236035	42.277	ng	100
61) 4-Chlorophenyl-phenyle...	15.372	204	630487	43.074	ng	100
62) 4-Nitroaniline	15.437	138	258828	44.574	ng	100
63) Azobenzene	15.672	77	1182036	43.376	ng	100
65) 4,6-Dinitro-2-methylph...	15.495	198	230720	44.678	ng	100
66) n-Nitrosodiphenylamine	15.595	169	1047859	45.583	ng	100
67) 4-Bromophenyl-phenylether	16.289	248	401319	45.506	ng	100
68) Hexachlorobenzene	16.407	284	444705	44.950	ng	100
69) Atrazine	16.578	200	370012	44.617	ng	100
70) Pentachlorophenol	16.784	266	233801	44.604	ng	100
71) Phenanthrene	17.160	178	1807804	44.642	ng	100
72) Anthracene	17.260	178	1879868	45.445	ng	100
73) Carbazole	17.554	167	1624492	44.549	ng	100
74) Di-n-butylphthalate	18.119	149	1980763	44.138	ng	100
75) Fluoranthene	19.260	202	2031658	44.477	ng	100
77) Benzidine	19.466	184	957773	44.183	ng	100
78) Pyrene	19.636	202	2085780	41.801	ng	100
80) Butylbenzylphthalate	20.589	149	881613	44.398	ng	100
81) Benzo(a)anthracene	21.560	228	2071385	44.766	ng	100
82) 3,3'-Dichlorobenzidine	21.483	252	749495	45.516	ng	100
83) Chrysene	21.630	228	1958893	44.276	ng	100
84) Bis(2-ethylhexyl)phtha...	21.477	149	1260239	45.972	ng	100
85) Di-n-octyl phthalate	22.742	149	2246800	48.001	ng	100
87) Indeno(1,2,3-cd)pyrene	28.718	276	2614627	45.612	ng	100
88) Benzo(b)fluoranthene	23.854	252	2095559	44.216	ng	100
89) Benzo(k)fluoranthene	23.930	252	2121686	44.111	ng	100
90) Benzo(a)pyrene	24.760	252	2047404	44.461	ng	100
91) Dibenzo(a,h)anthracene	28.765	278	2143952	45.880	ng	100
92) Benzo(g,h,i)perylene	29.895	276	2098399	45.831	ng	100

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025976.D
Acq On : 15 Oct 2025 14:29
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 23:09:30 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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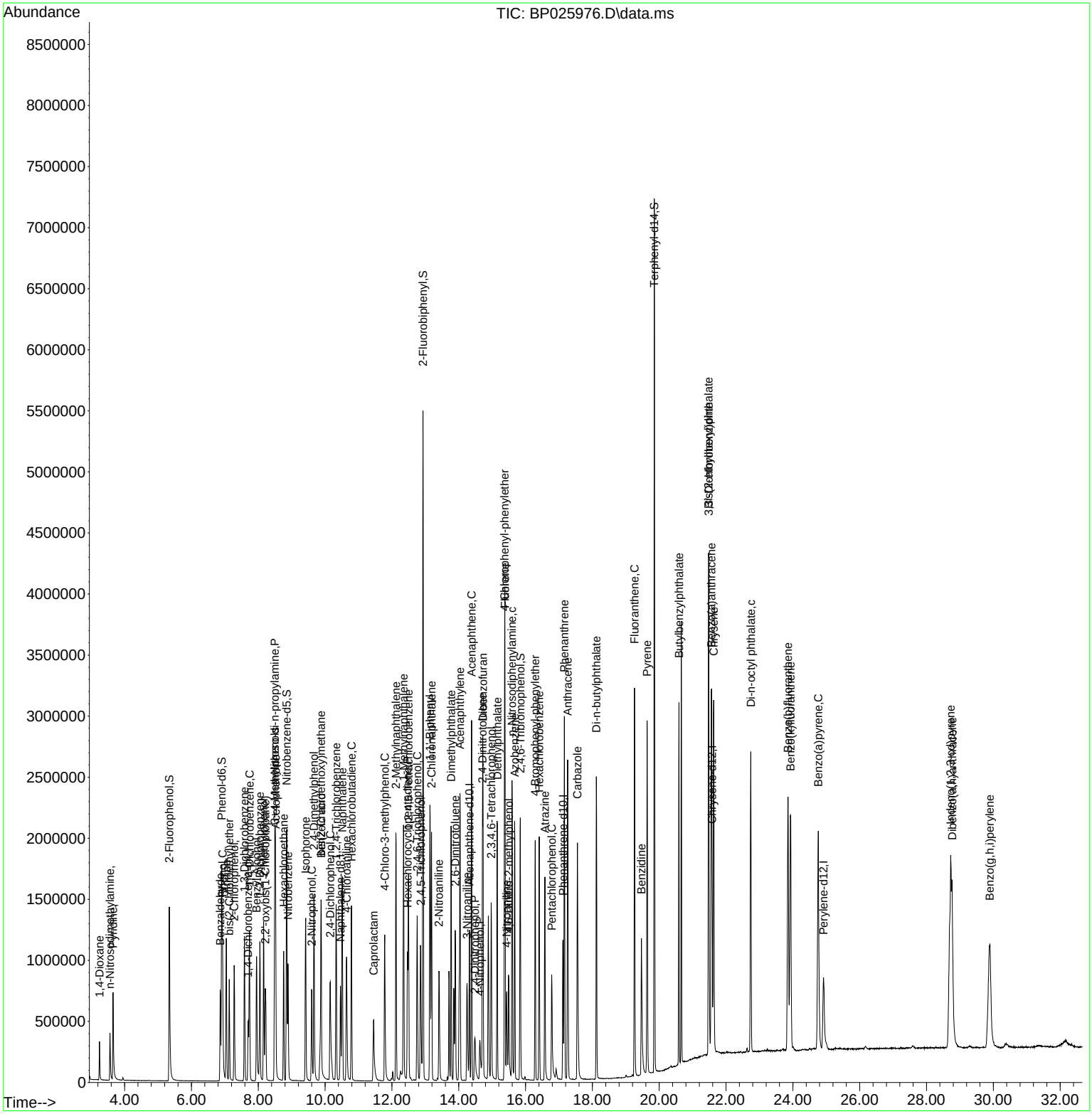
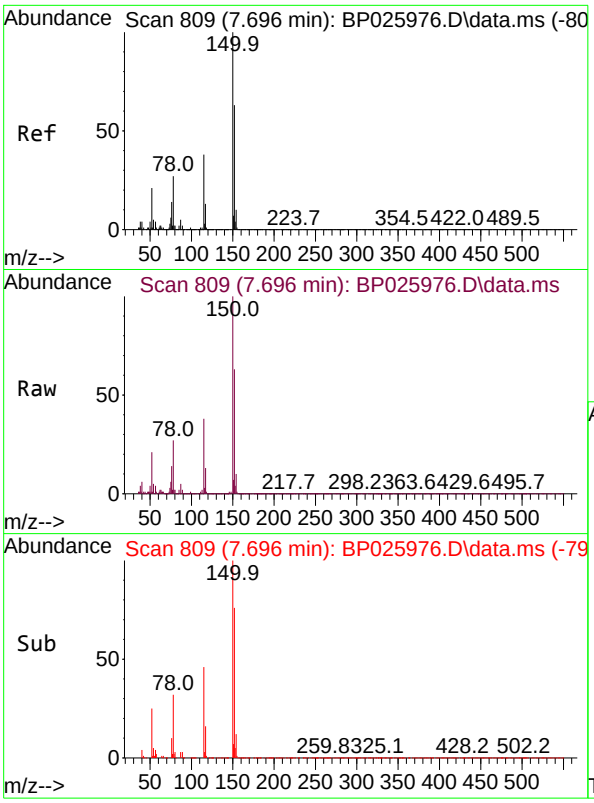
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

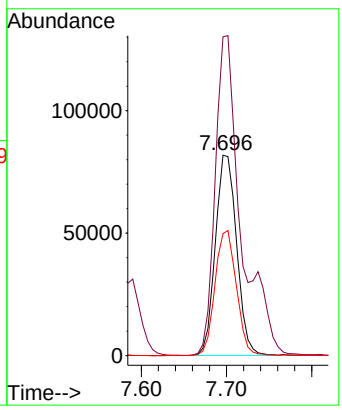




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.696 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:152 Resp: 14247

Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.3	190.9
115	60.9	48.7	73.1



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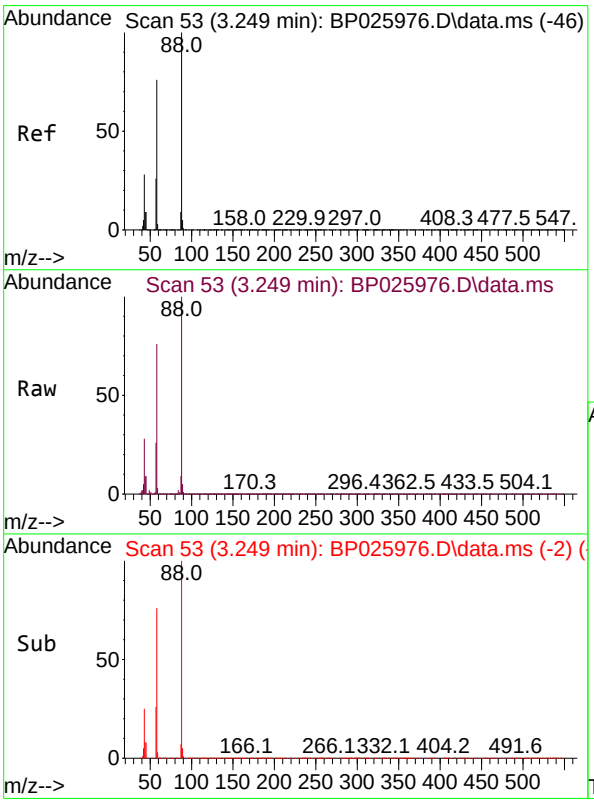
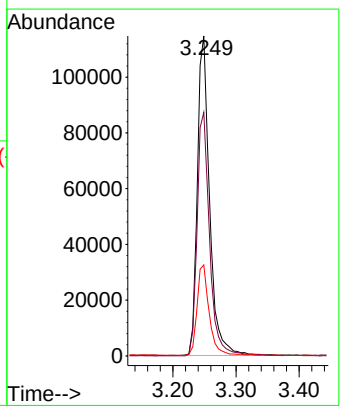
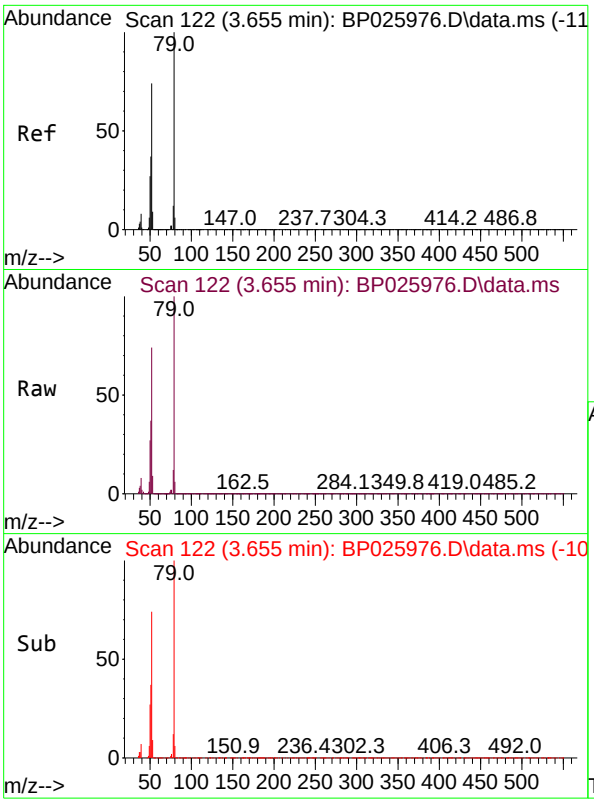


#2
1,4-Dioxane
Concen: 44.986 ng
RT: 3.249 min Scan# 53
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 88 Resp: 154848

Ion	Ratio	Lower	Upper
88	100		
58	77.4	61.9	92.9
43	28.2	22.6	33.8

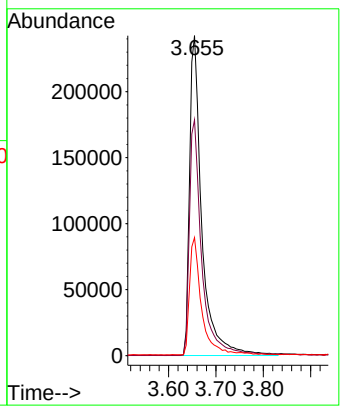




#3
Pyridine
Concen: 45.382 ng
RT: 3.655 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 79 Resp: 43590

Ion	Ratio	Lower	Upper
79	100		
52	73.7	59.0	88.4
51	36.9	29.5	44.3



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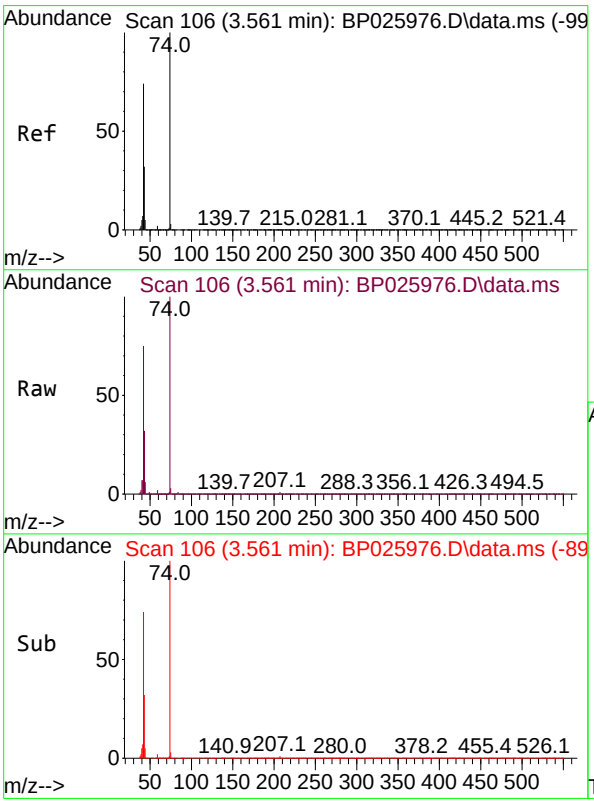
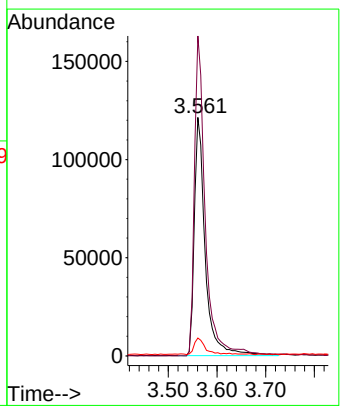
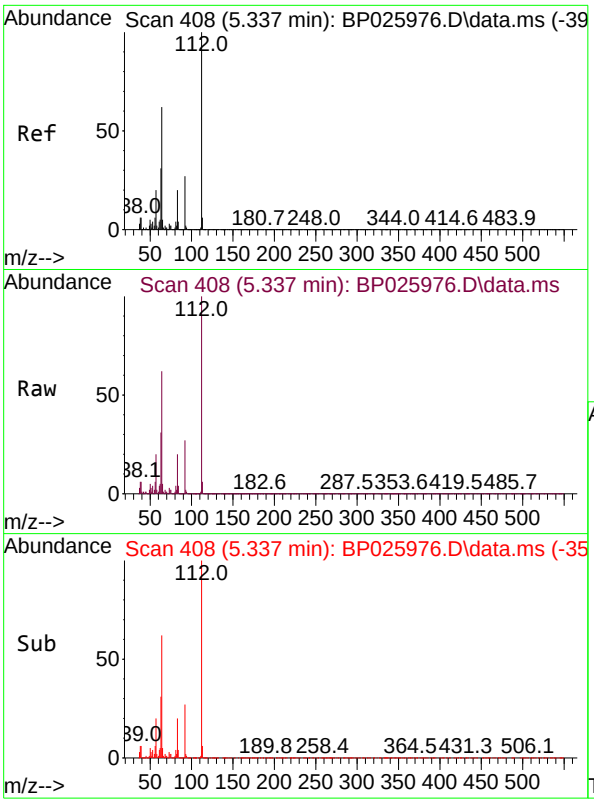


#4
n-Nitrosodimethylamine
Concen: 44.833 ng
RT: 3.561 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 42 Resp: 188726

Ion	Ratio	Lower	Upper
42	100		
74	134.2	107.4	161.0
44	7.5	6.0	9.0

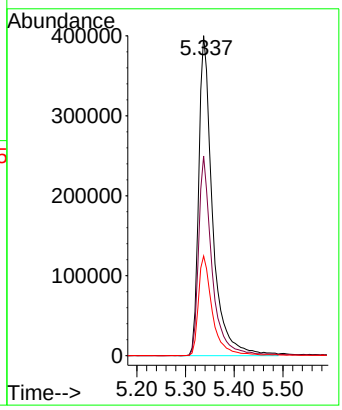




#5
2-Fluorophenol
Concen: 90.526 ng
RT: 5.337 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:112 Resp: 78665

Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.9	74.9
63	31.1	24.9	37.3



Instrument :
BNA_P
ClientSampleId :
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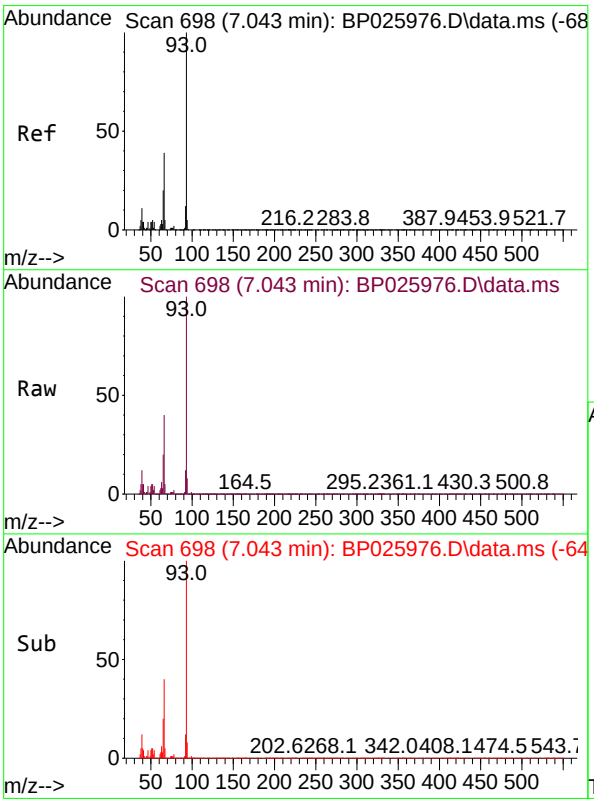
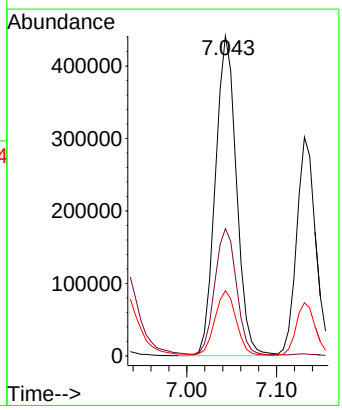
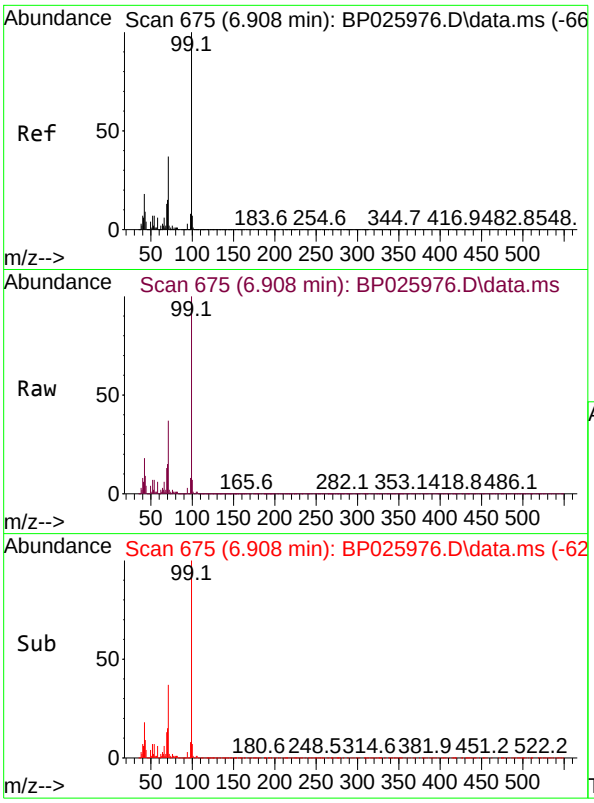


#6
Aniline
Concen: 44.583 ng
RT: 7.043 min Scan# 698
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 93 Resp: 723810

Ion	Ratio	Lower	Upper
93	100		
66	39.8	31.8	47.8
65	20.4	16.3	24.5

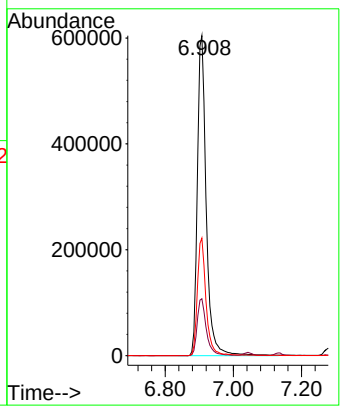




#7
Phenol-d6
Concen: 89.904 ng
RT: 6.908 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 99 Resp: 109025

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.2	21.4
71	36.7	29.4	44.0



Instrument :
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ClientSampleId :
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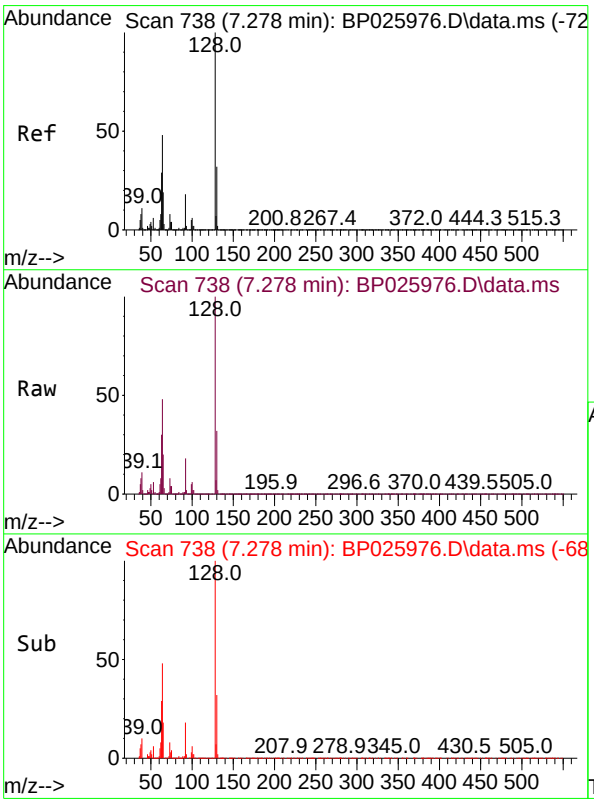
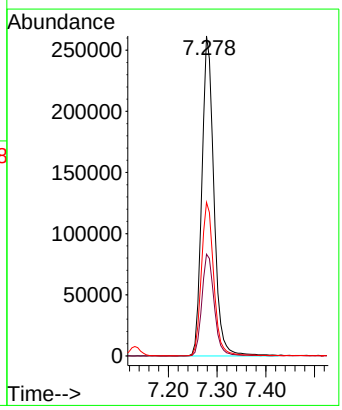
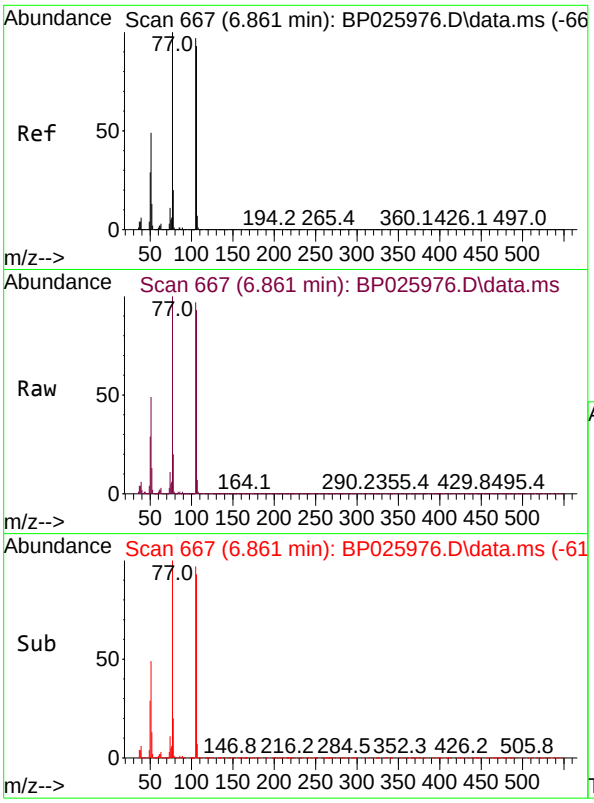


#8
2-Chlorophenol
Concen: 44.661 ng
RT: 7.278 min Scan# 738
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:128 Resp: 449770

Ion	Ratio	Lower	Upper
128	100		
130	31.8	11.8	51.8
64	48.0	28.0	68.0

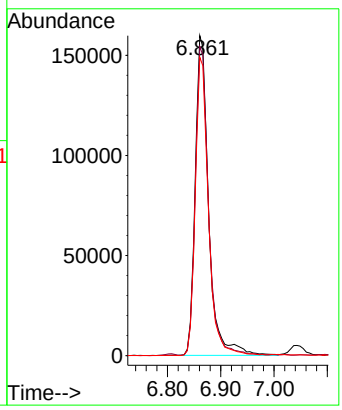




#9
Benzaldehyde
Concen: 43.197 ng
RT: 6.861 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 77 Resp: 27953

Ion	Ratio	Lower	Upper
77	100		
105	96.6	76.6	116.6
106	93.2	73.2	113.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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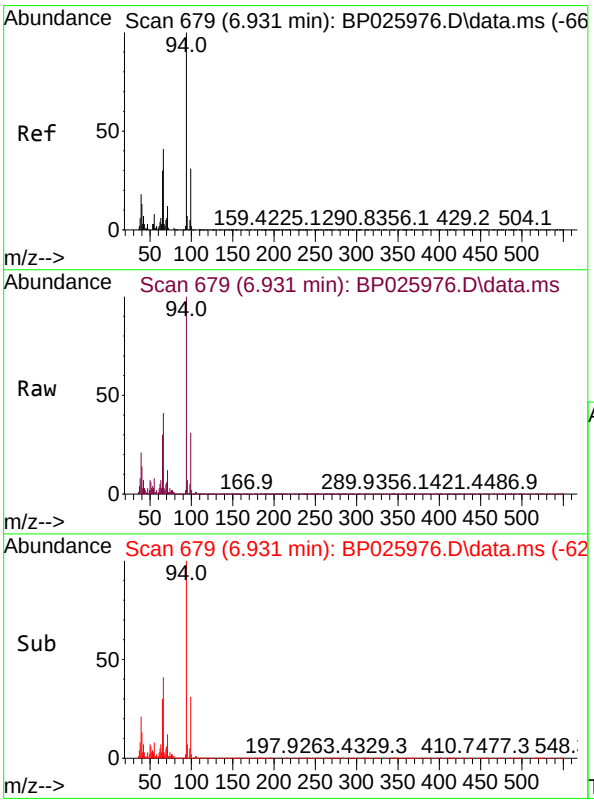
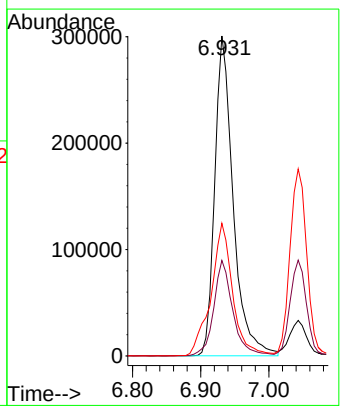
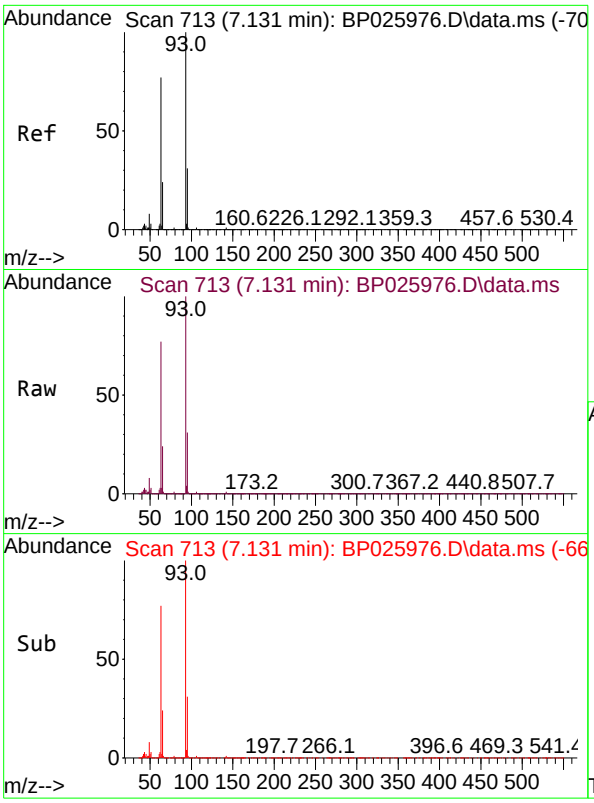


#10
Phenol
Concen: 45.933 ng
RT: 6.931 min Scan# 679
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 94 Resp: 562406

Ion	Ratio	Lower	Upper
94	100		
65	29.8	9.8	49.8
66	41.4	21.4	61.4

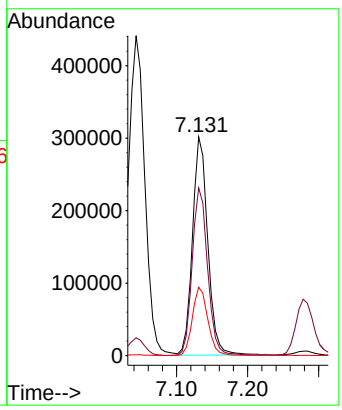




#11
bis(2-Chloroethyl)ether
Concen: 44.977 ng
RT: 7.131 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 93 Resp: 44902

Ion	Ratio	Lower	Upper
93	100		
63	76.6	56.6	96.6
95	31.3	11.3	51.3



Instrument :
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ClientSampleId :
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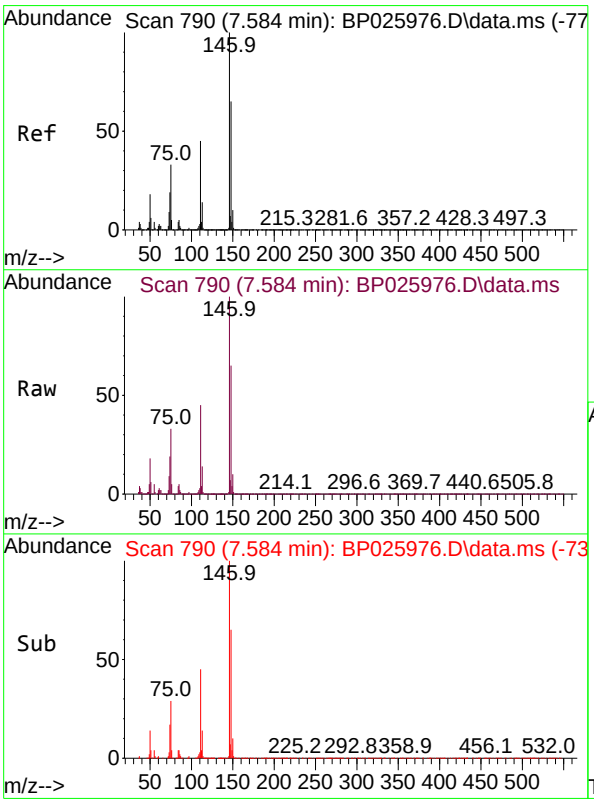
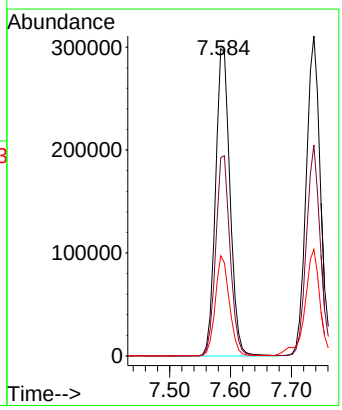
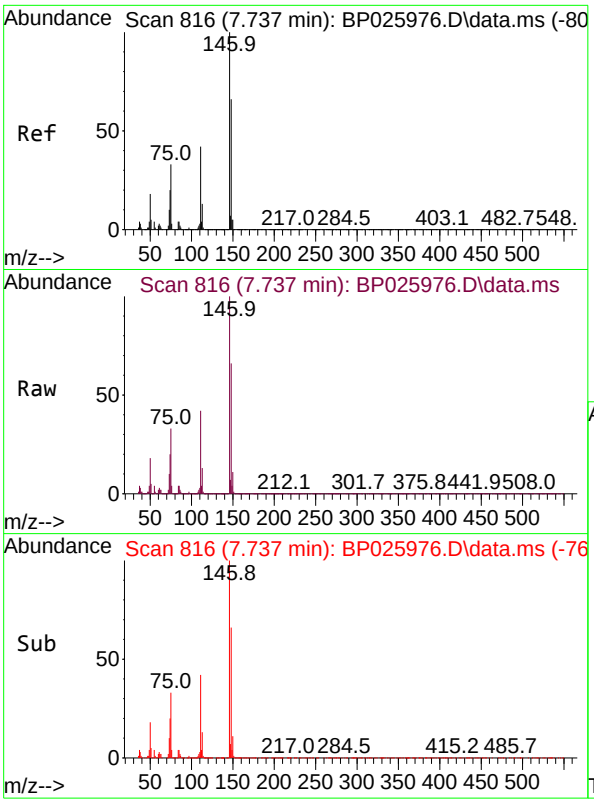


#12
1,3-Dichlorobenzene
Concen: 44.314 ng
RT: 7.584 min Scan# 790
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:146 Resp: 494771

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.7	77.5
75	32.6	26.1	39.1

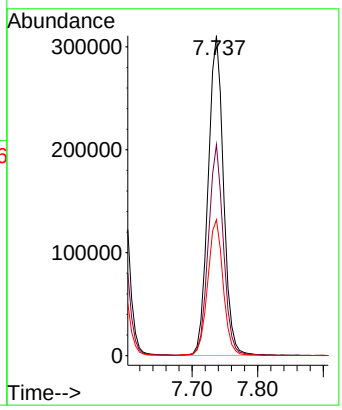




#13
1,4-Dichlorobenzene
Concen: 44.449 ng
RT: 7.737 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:146 Resp: 50563

Ion	Ratio	Lower	Upper
146	100		
148	65.9	52.7	79.1
111	42.5	34.0	51.0



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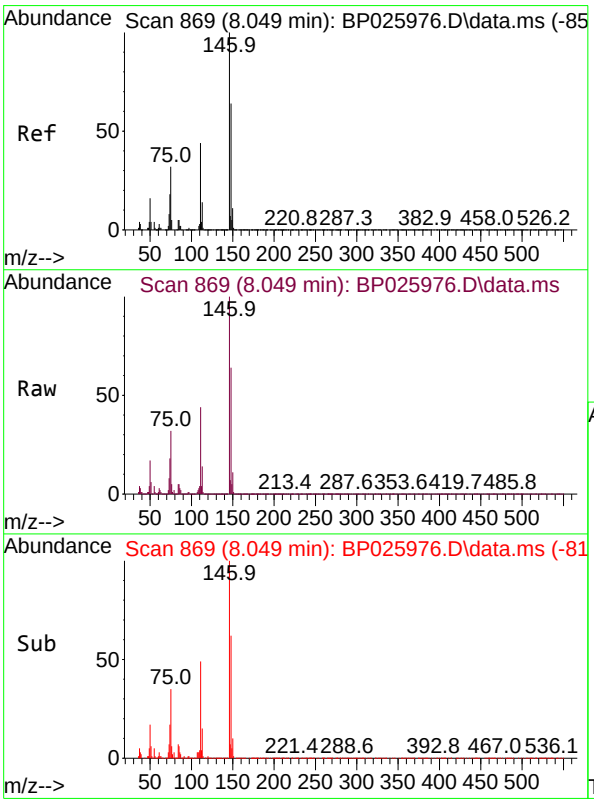
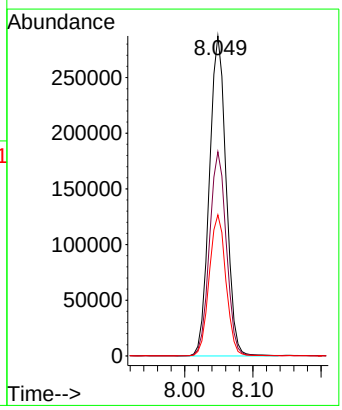
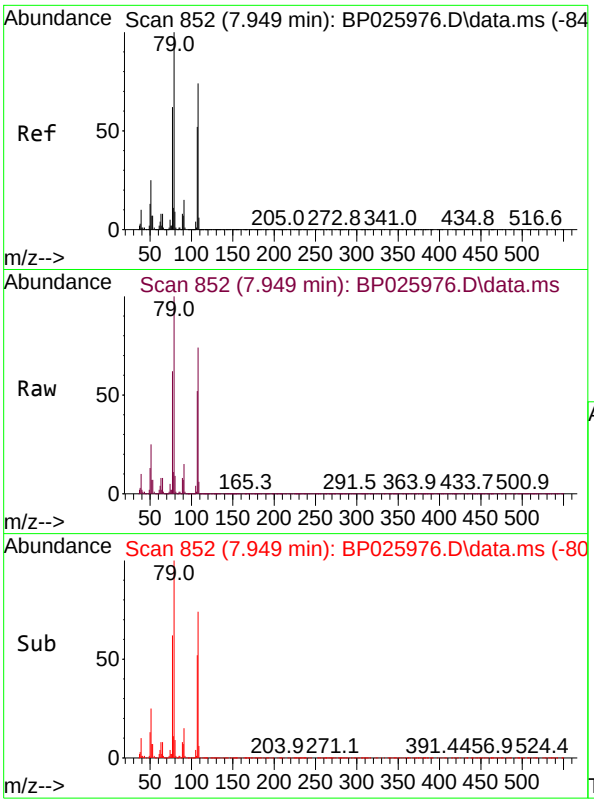


#14
1,2-Dichlorobenzene
Concen: 44.004 ng
RT: 8.049 min Scan# 869
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:146 Resp: 489694

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	44.1	35.3	52.9





#15
Benzyl Alcohol
Concen: 42.777 ng
RT: 7.949 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 79 Resp: 44153

Ion	Ratio	Lower	Upper
79	100		
108	74.0	59.2	88.8
77	61.6	49.3	73.9

Instrument :
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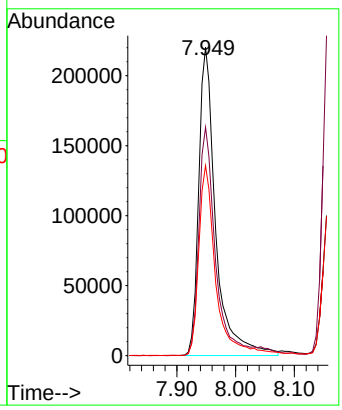
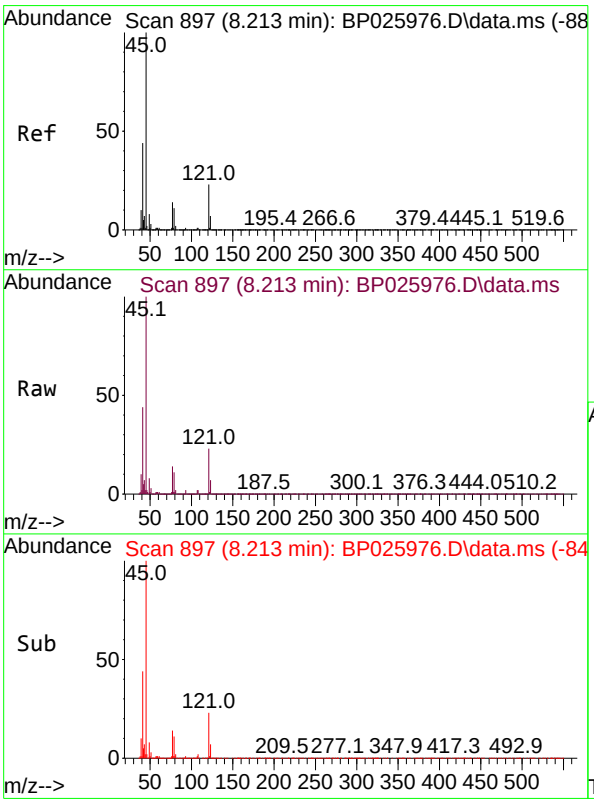
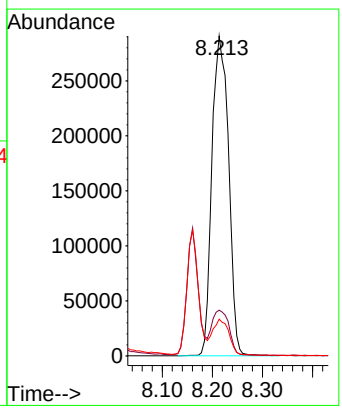


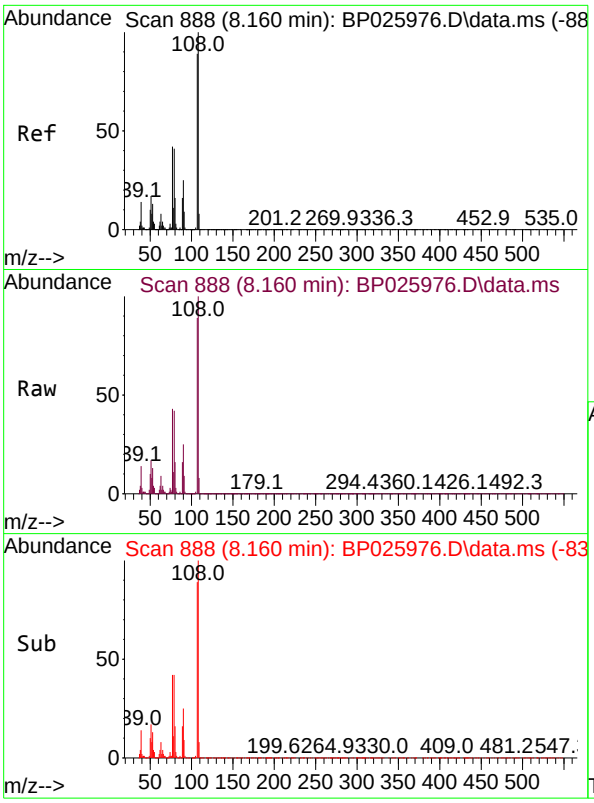


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.717 ng
RT: 8.213 min Scan# 897
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 45 Resp: 672107

Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	34.3
79	11.5	0.0	31.5

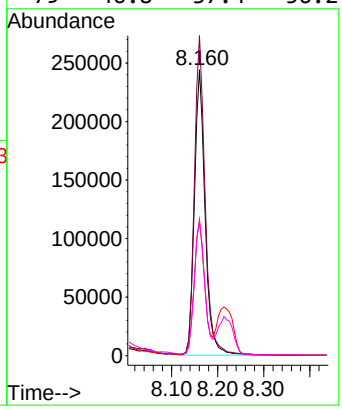




#17
2-Methylphenol
Concen: 44.846 ng
RT: 8.160 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:107 Resp: 39357

Ion	Ratio	Lower	Upper
107	100		
108	111.9	89.5	134.3
77	47.6	38.1	57.1
79	46.8	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
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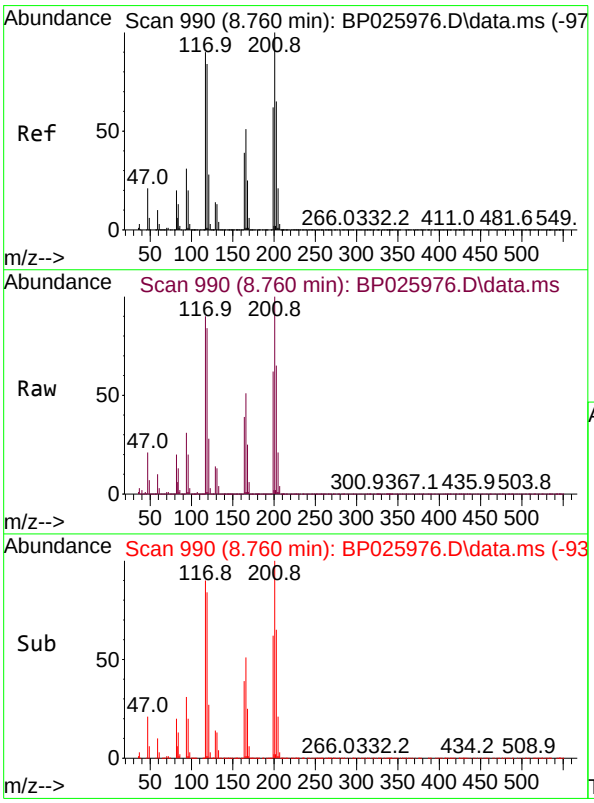
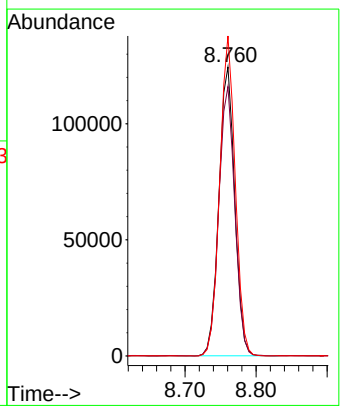
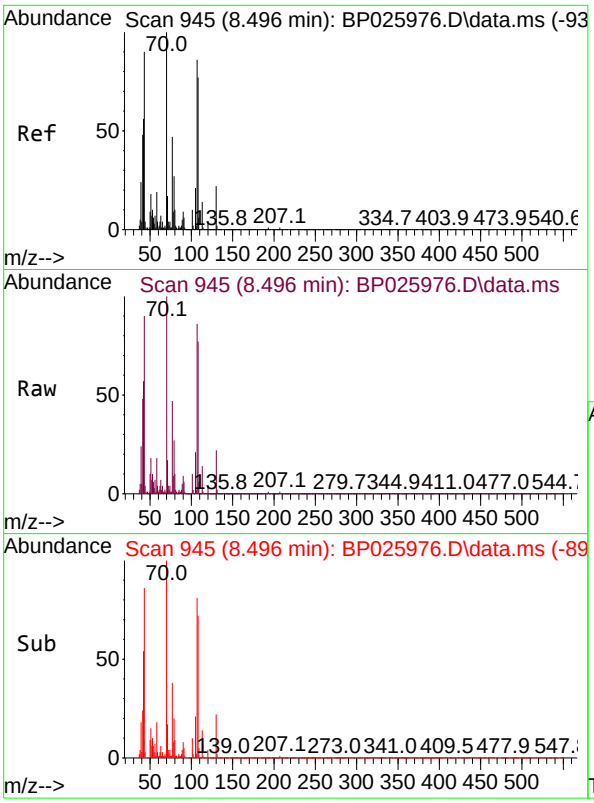


#18
Hexachloroethane
Concen: 44.567 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:117 Resp: 193465

Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.6	112.0
201	110.8	88.6	133.0

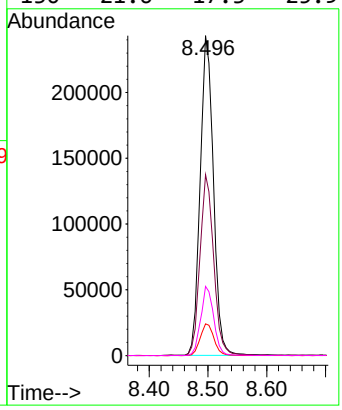




#19
n-Nitroso-di-n-propylamine
Concen: 44.020 ng
RT: 8.496 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 70 Resp: 38055

Ion	Ratio	Lower	Upper
70	100		
42	56.5	45.2	67.8
101	9.9	7.9	11.9
130	21.6	17.3	25.9



Instrument :
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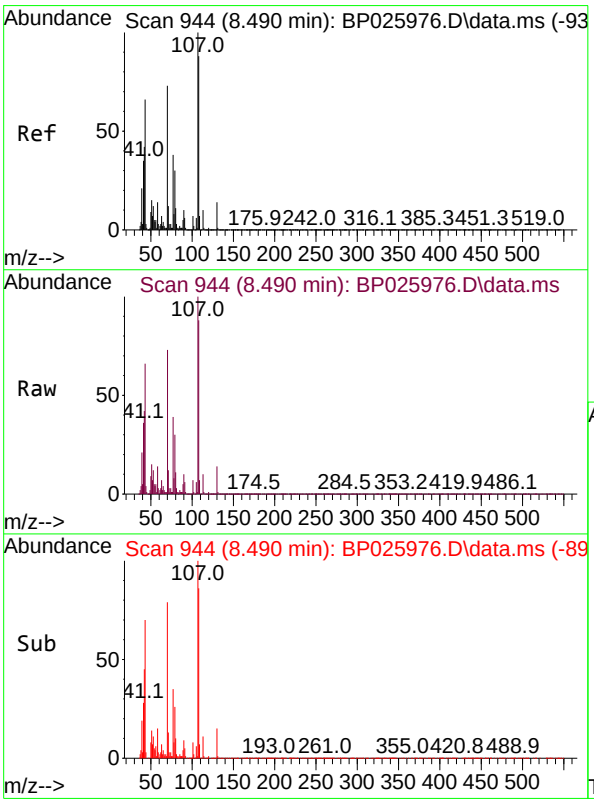
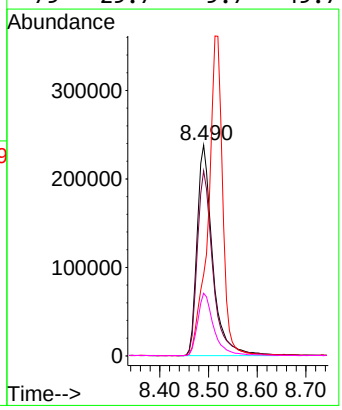
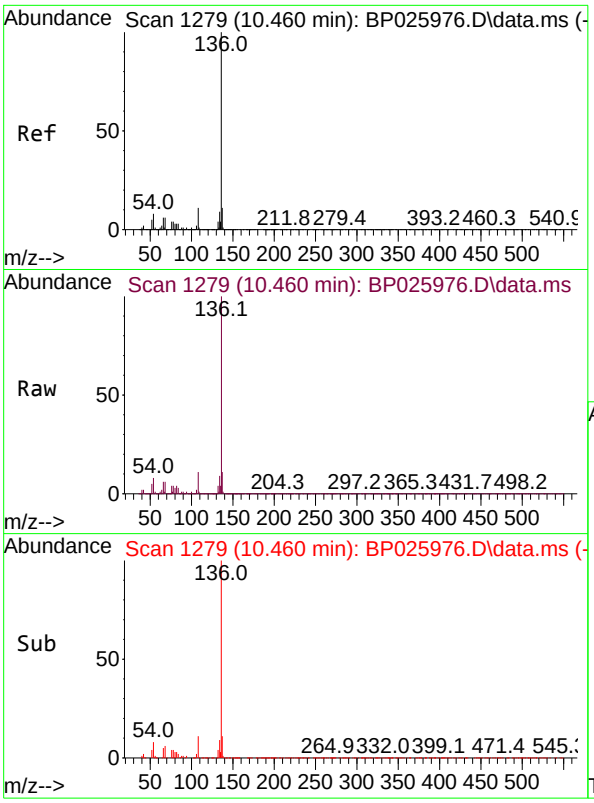


#20
3+4-Methylphenols
Concen: 43.252 ng
RT: 8.490 min Scan# 944
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:107 Resp: 528896

Ion	Ratio	Lower	Upper
107	100		
108	87.8	67.8	107.8
77	38.5	18.5	58.5
79	29.7	9.7	49.7

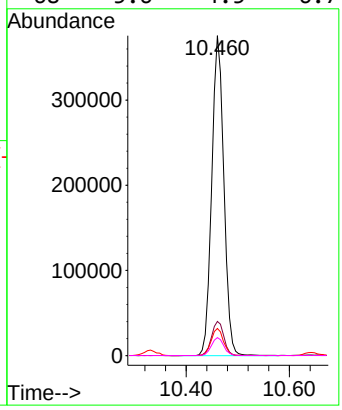




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:136 Resp: 60966

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	8.5	6.8	10.2
68	5.6	4.5	6.7



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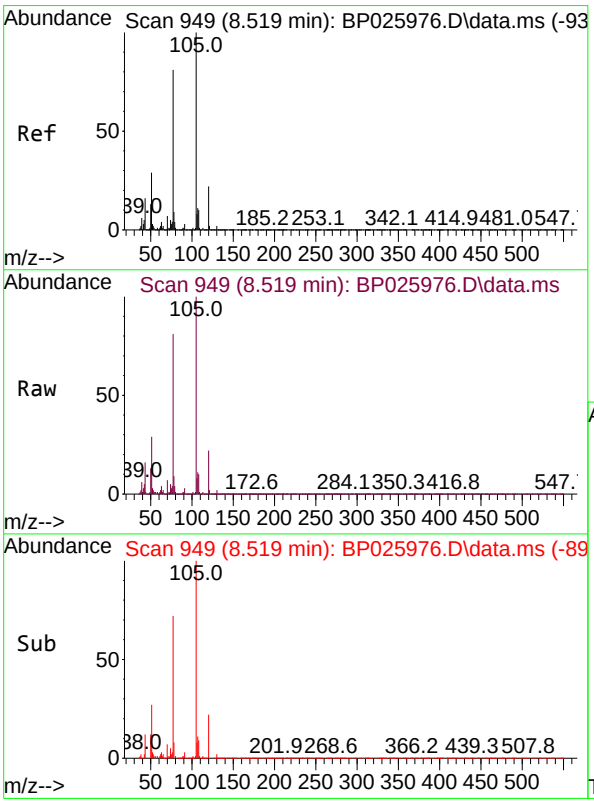
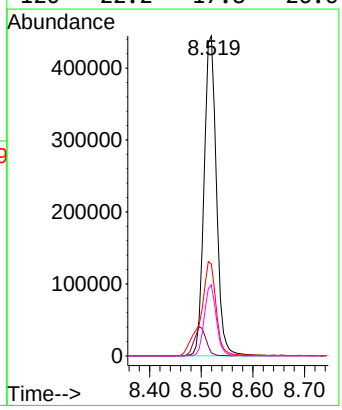
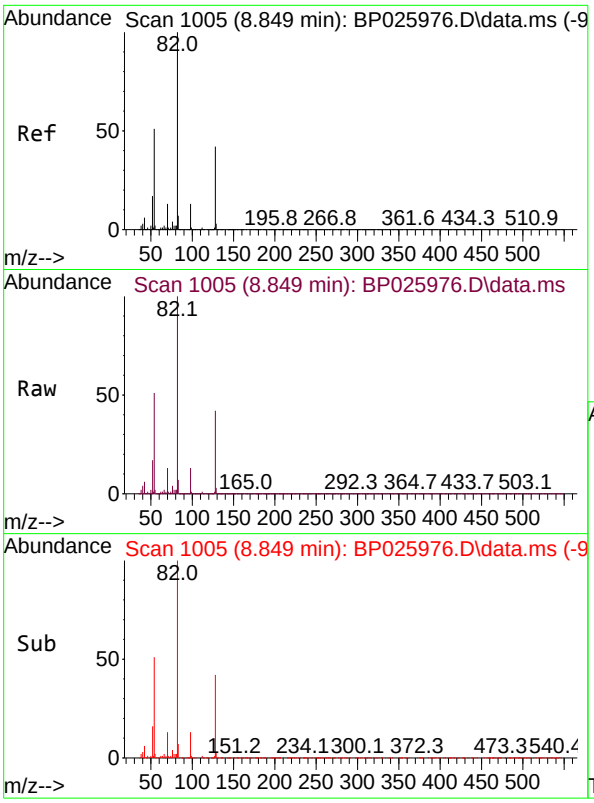


#22
Acetophenone
Concen: 44.712 ng
RT: 8.519 min Scan# 949
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:105 Resp: 741071

Ion	Ratio	Lower	Upper
105	100		
71	1.1	0.9	1.3
51	28.7	23.0	34.4
120	22.2	17.8	26.6

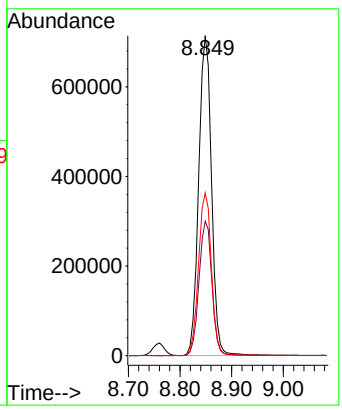




#23
Nitrobenzene-d5
Concen: 90.713 ng
RT: 8.849 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 82 Resp: 123042

Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.6	50.4
54	50.8	40.6	61.0



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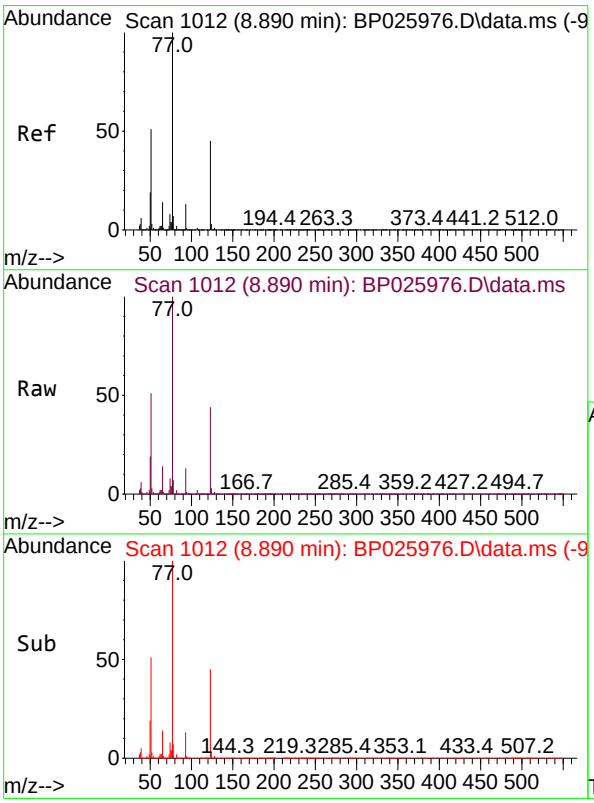
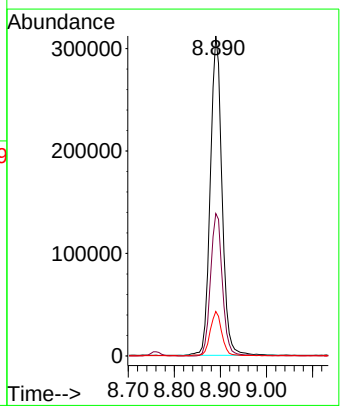
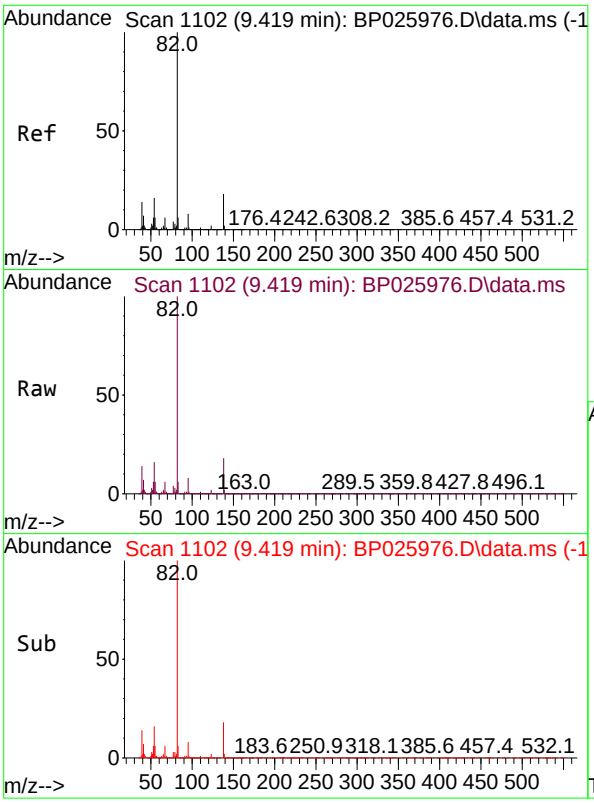


#24
Nitrobenzene
Concen: 45.424 ng
RT: 8.890 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 77 Resp: 547896

Ion	Ratio	Lower	Upper
77	100		
123	44.5	35.6	53.4
65	13.9	11.1	16.7

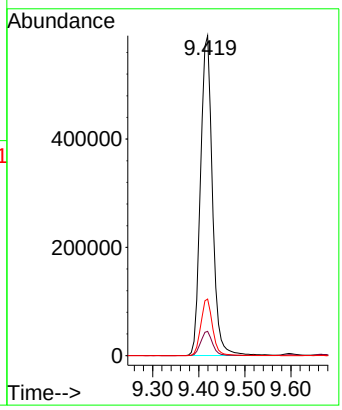




#25
Isophorone
Concen: 43.480 ng
RT: 9.419 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 82 Resp: 105921

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	17.7	14.2	21.2



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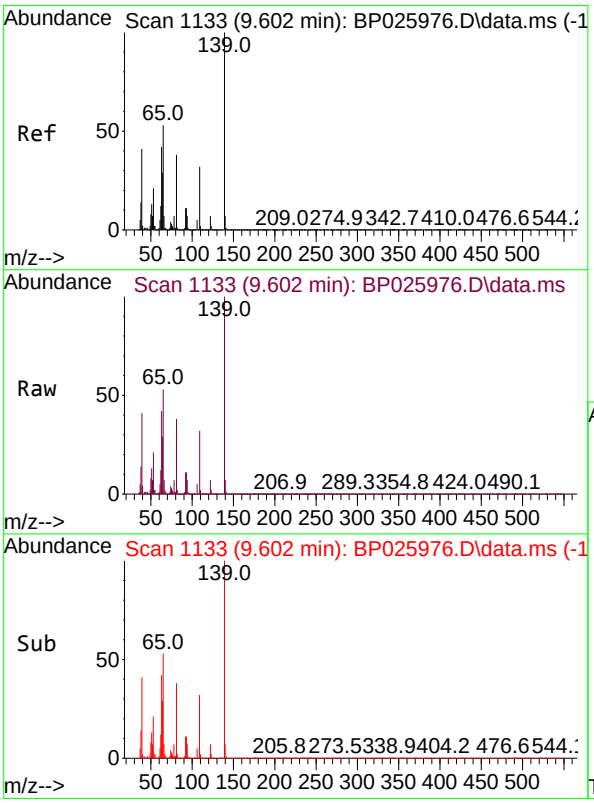
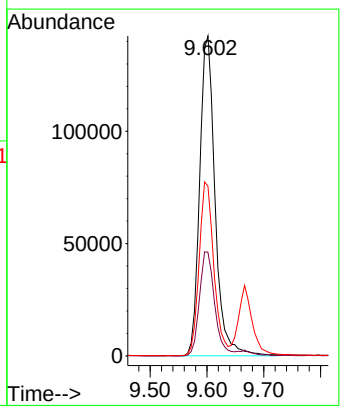
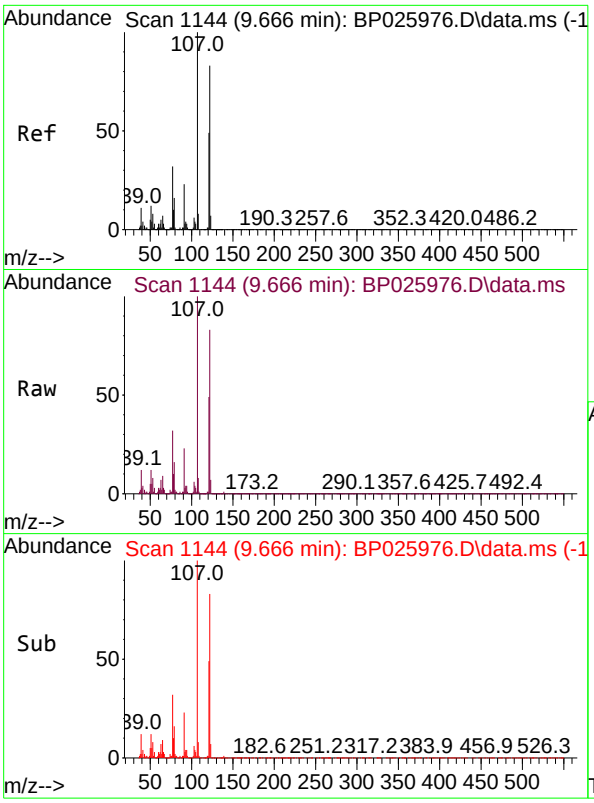


#26
2-Nitrophenol
Concen: 45.962 ng
RT: 9.602 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:139 Resp: 268486

Ion	Ratio	Lower	Upper
139	100		
109	32.4	25.9	38.9
65	53.0	42.4	63.6

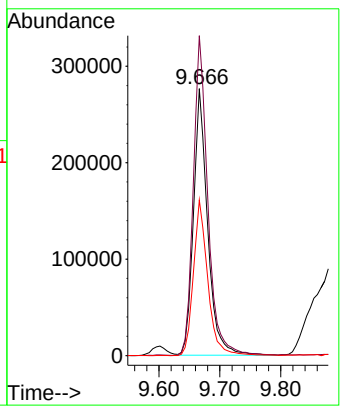




#27
2,4-Dimethylphenol
Concen: 45.235 ng
RT: 9.666 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:122 Resp: 44777

Ion	Ratio	Lower	Upper
122	100		
107	119.9	95.9	143.9
121	58.3	46.6	70.0



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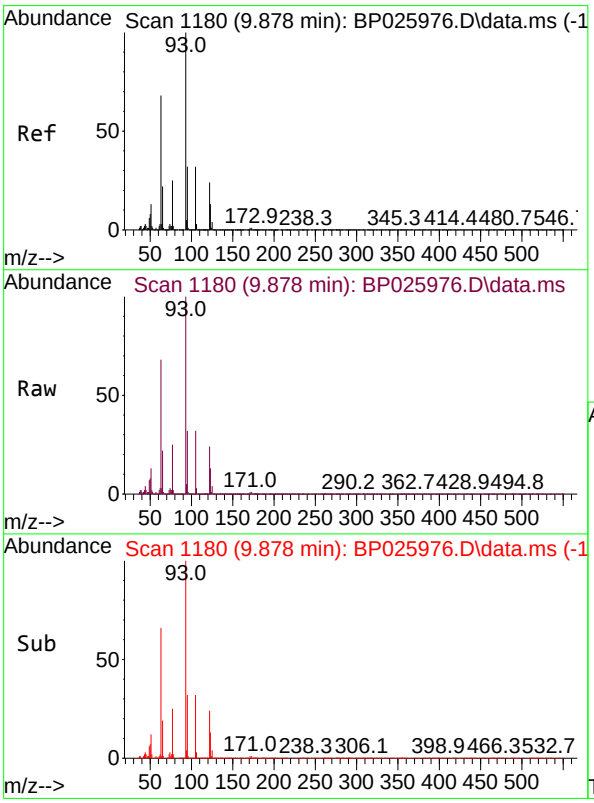
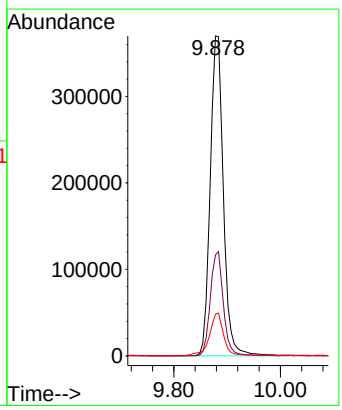
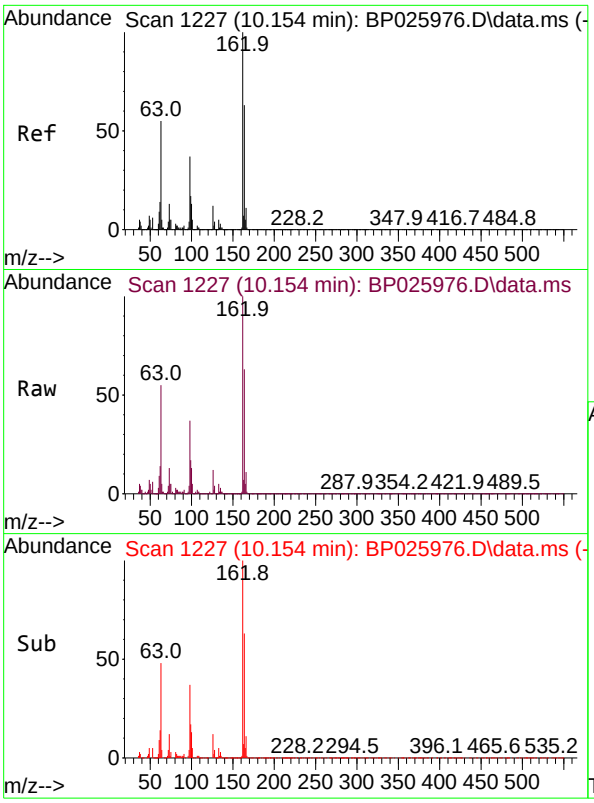


#28
bis(2-Chloroethoxy)methane
Concen: 44.499 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 93 Resp: 634135

Ion	Ratio	Lower	Upper
93	100		
95	31.6	25.3	37.9
123	13.0	10.4	15.6





#29
2,4-Dichlorophenol
Concen: 44.815 ng
RT: 10.154 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:162 Resp: 44201

Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.4	83.4
98	37.3	17.3	57.3

Instrument :
BNA_P
ClientSampleId :
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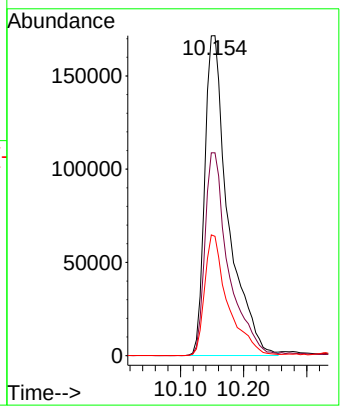
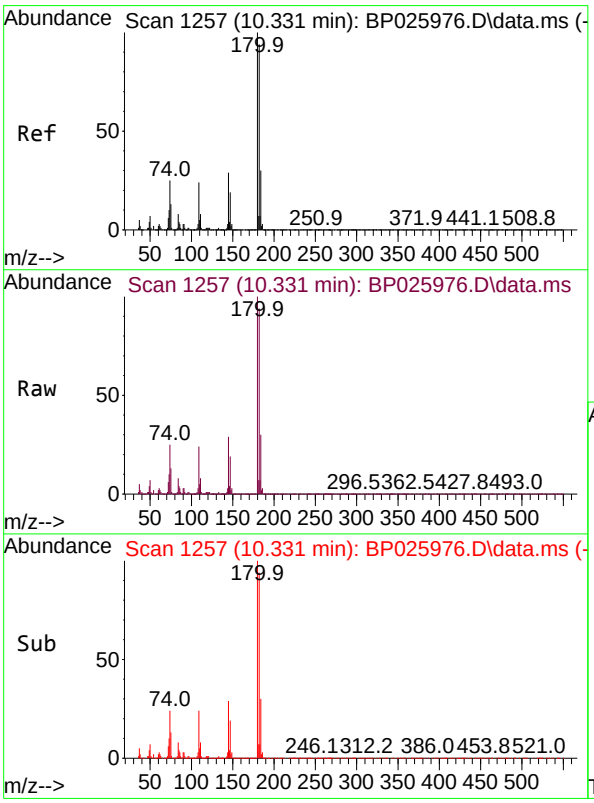
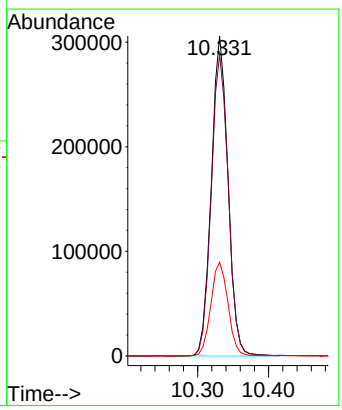


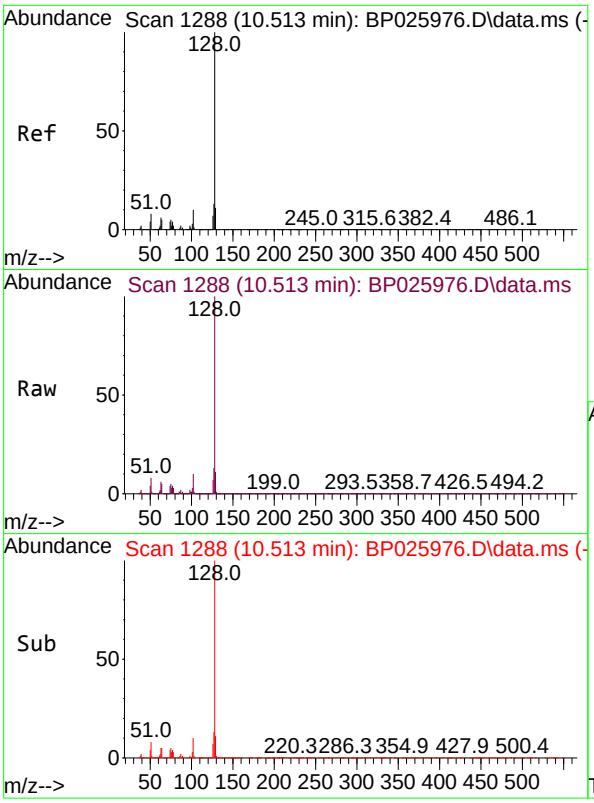


#30
1,2,4-Trichlorobenzene
Concen: 44.643 ng
RT: 10.331 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:180 Resp: 498495

Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.3	112.9
145	29.3	23.4	35.2

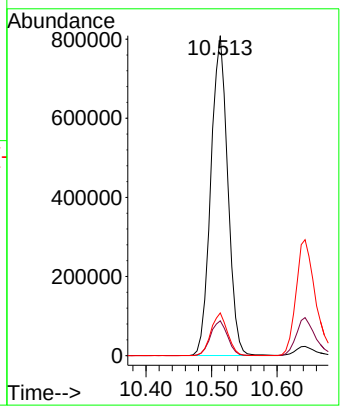




#31
Naphthalene
Concen: 44.079 ng
RT: 10.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:128 Resp: 144965

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.3	10.6	16.0



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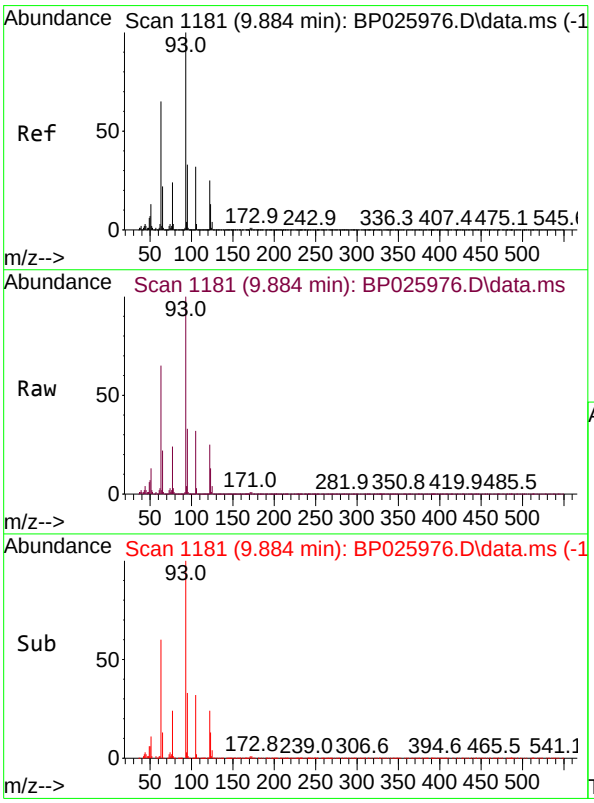
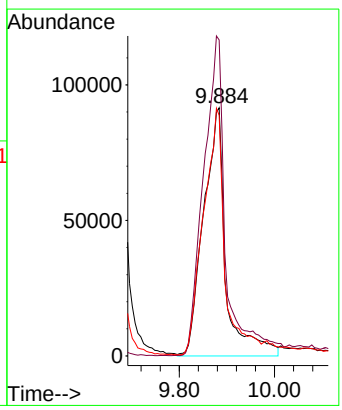
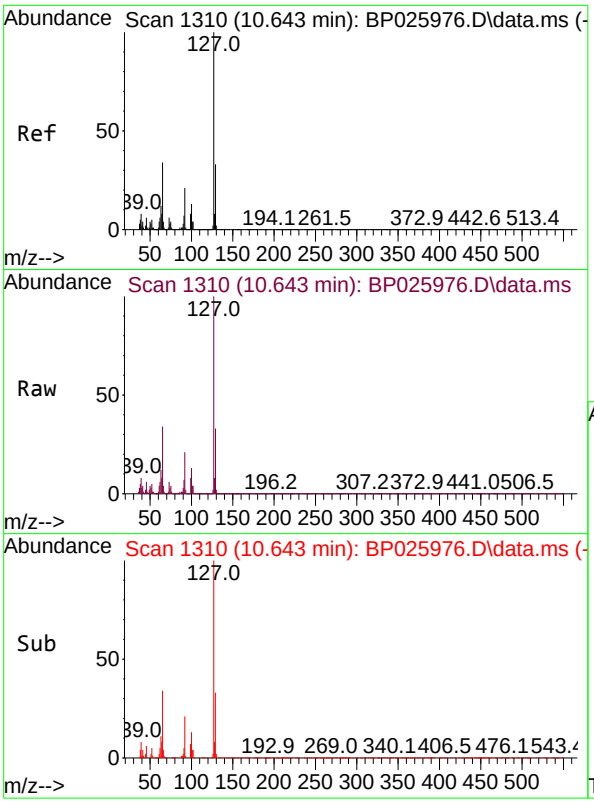


#32
Benzoic acid
Concen: 41.356 ng m
RT: 9.884 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:122 Resp: 297220

Ion	Ratio	Lower	Upper
122	100		
105	127.4	107.4	147.4
77	97.0	77.0	117.0

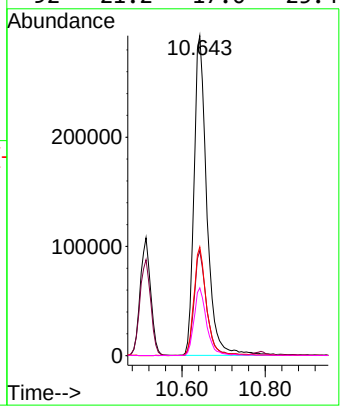




#33
4-Chloroaniline
Concen: 44.782 ng
RT: 10.643 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:127 Resp: 62544

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	34.0	27.2	40.8
92	21.2	17.0	25.4



Instrument :
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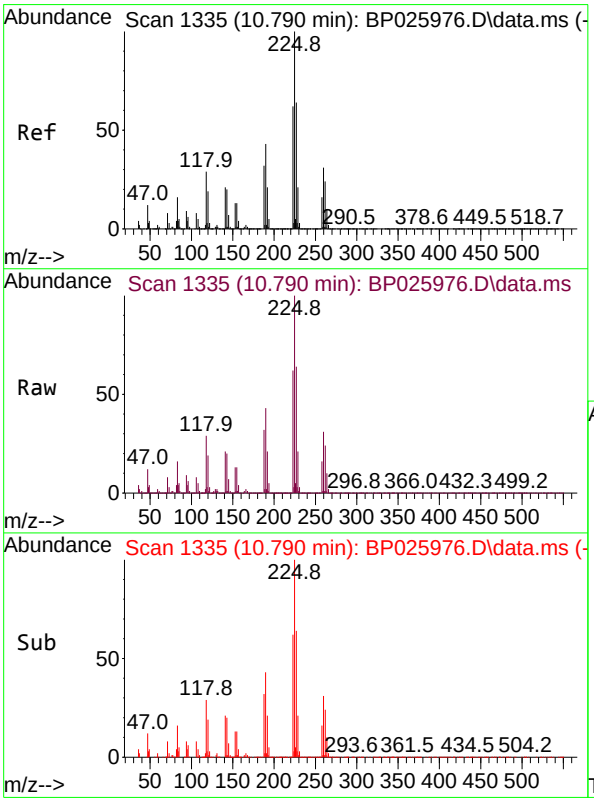
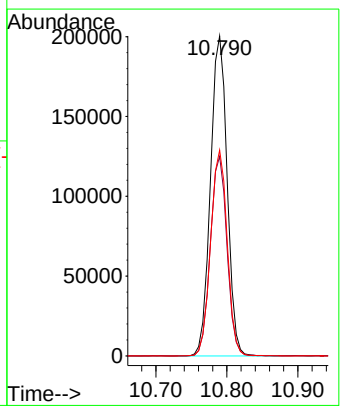
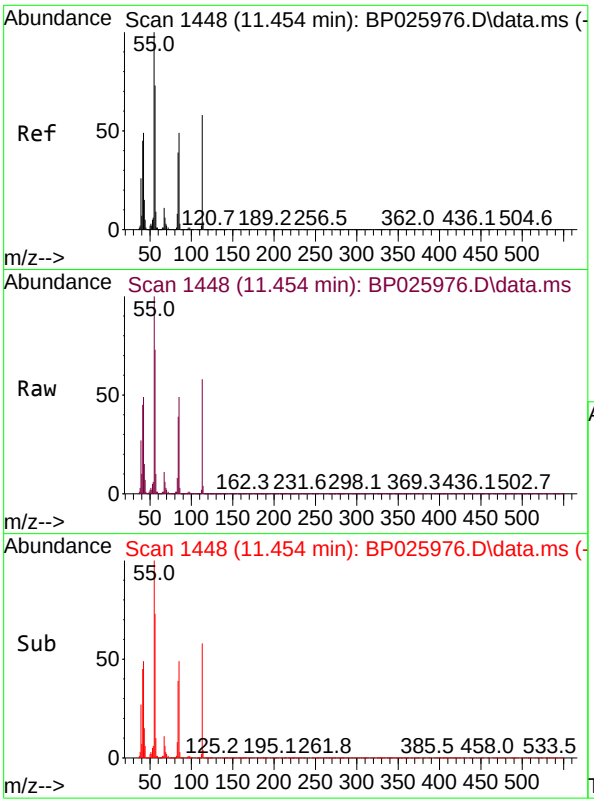


#34
Hexachlorobutadiene
Concen: 44.205 ng
RT: 10.790 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:225 Resp: 326672

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.8
227	64.3	51.4	77.2





#35
Caprolactam
Concen: 40.765 ng
RT: 11.454 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:113 Resp: 14308

Ion	Ratio	Lower	Upper
113	100		
55	171.8	151.8	191.8
56	124.6	104.6	144.6

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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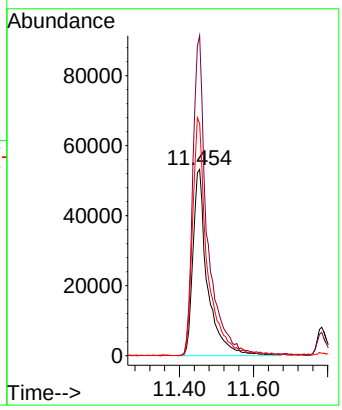
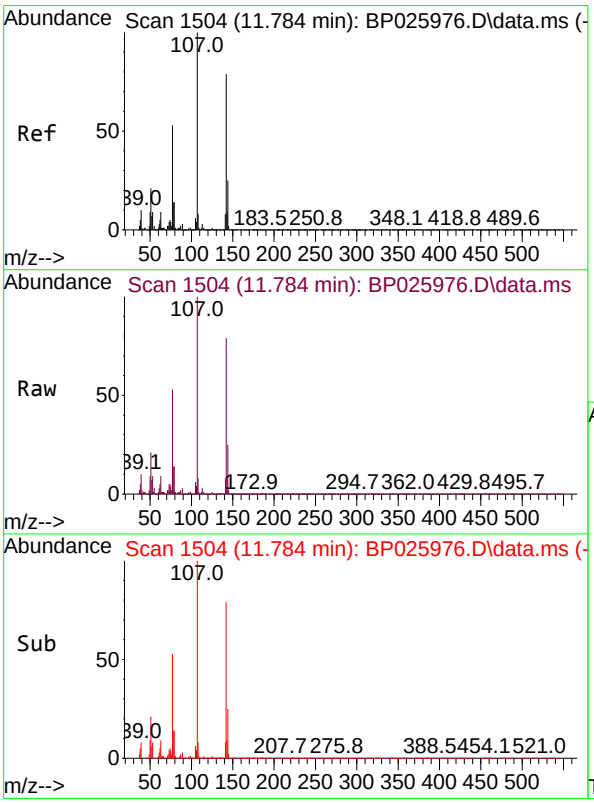
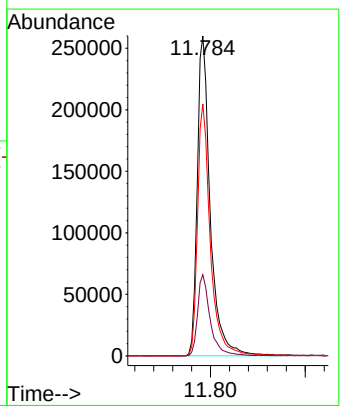


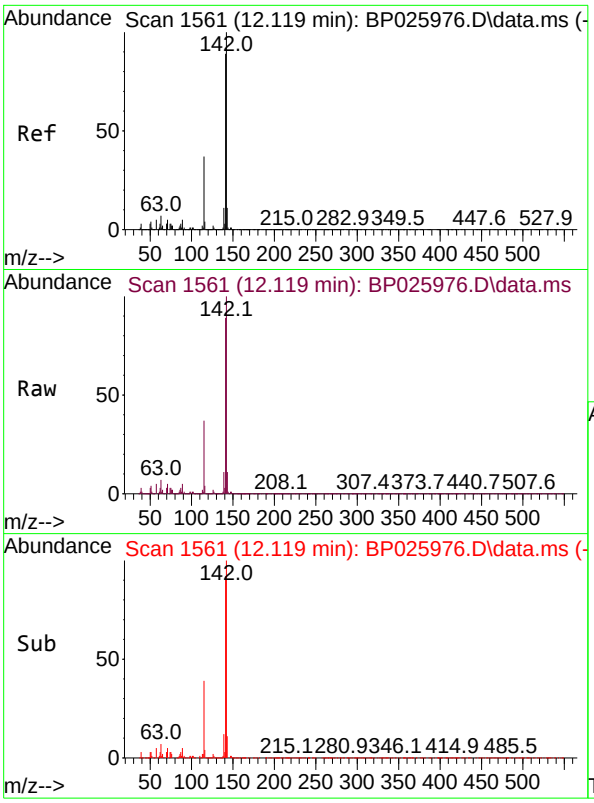


#36
4-Chloro-3-methylphenol
Concen: 42.844 ng
RT: 11.784 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:107 Resp: 496112

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.3	30.5
142	78.7	63.0	94.4





#37
2-Methylnaphthalene
Concen: 42.850 ng
RT: 12.119 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 92267

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.9	106.3
115	37.4	29.9	44.9

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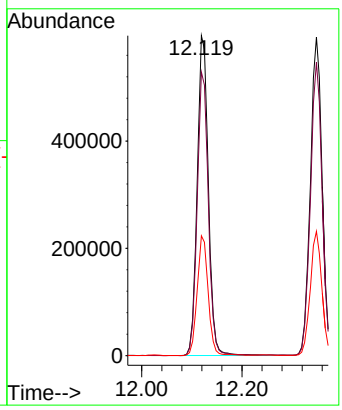
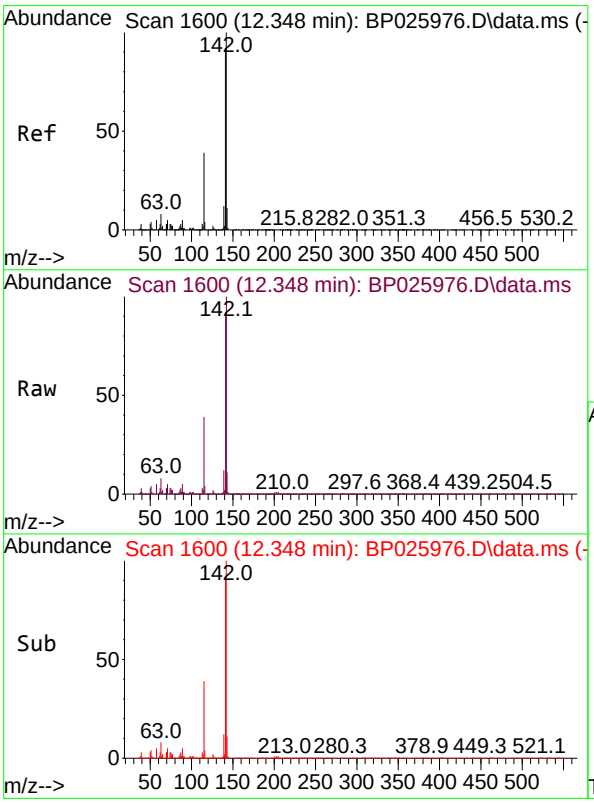
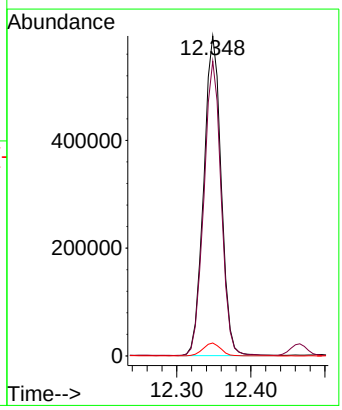


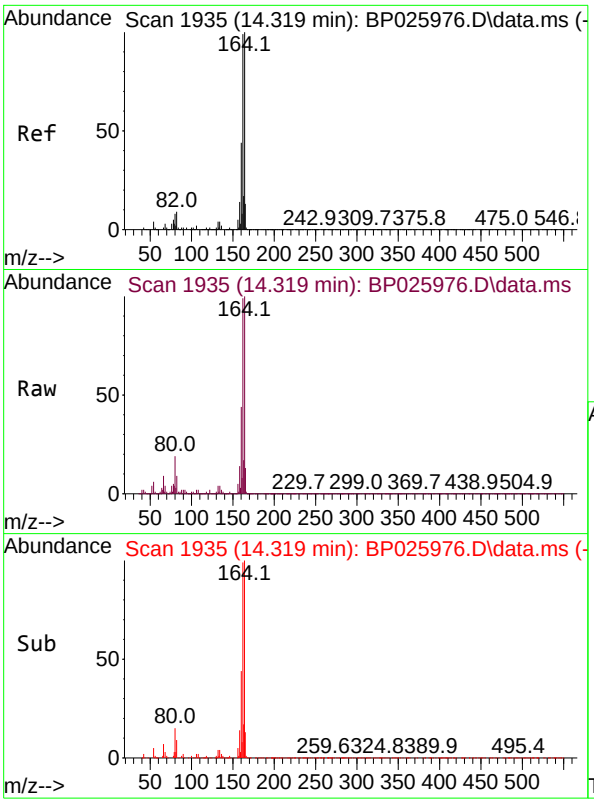


#38
1-Methylnaphthalene
Concen: 42.668 ng
RT: 12.348 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:142 Resp: 969088

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.7	110.5
116	4.0	3.2	4.8

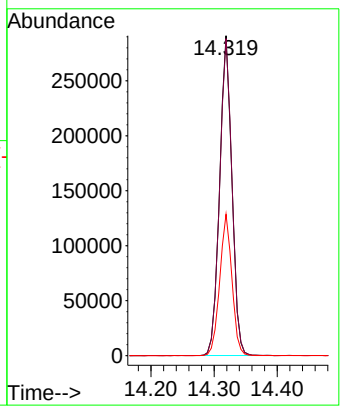




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:164 Resp: 392304

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.3	118.9
160	44.2	35.4	53.0



Instrument :
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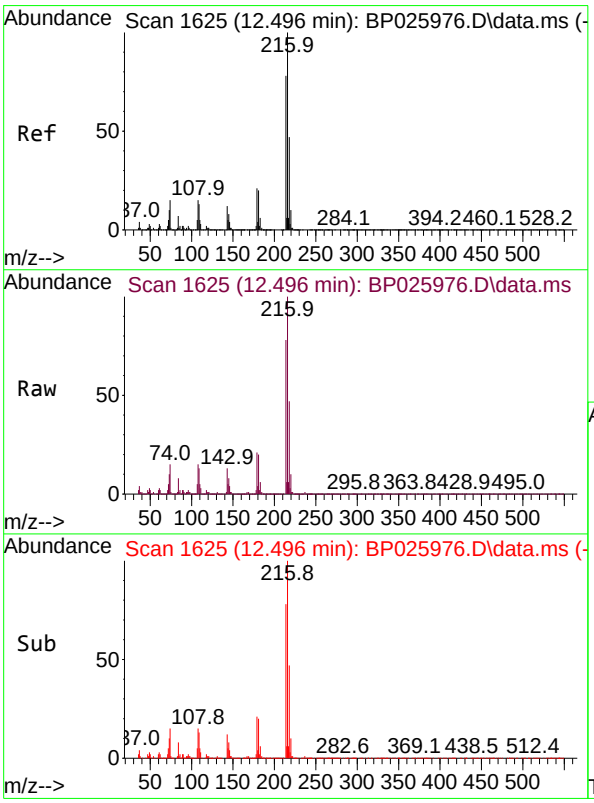
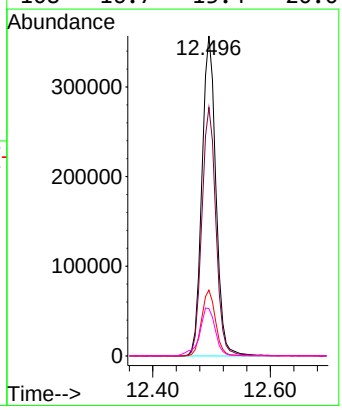
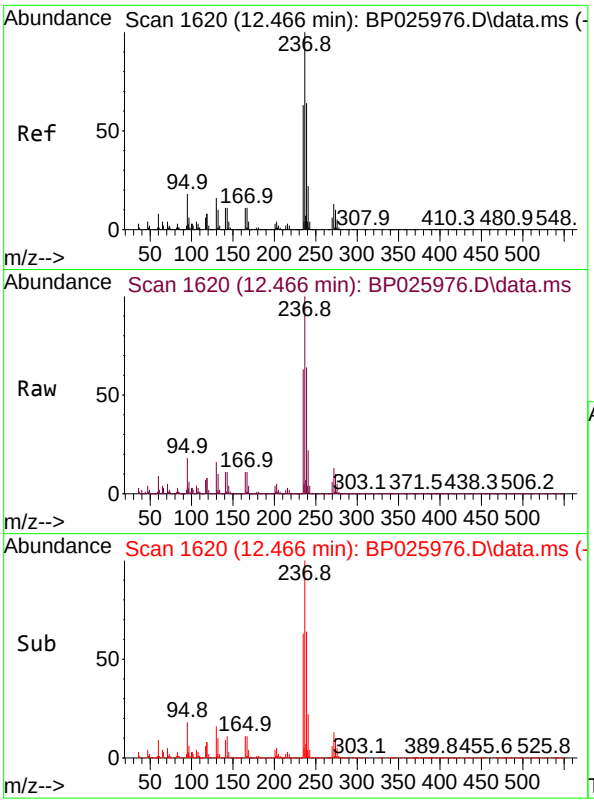


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.079 ng
RT: 12.496 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:216 Resp: 588634

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	20.6	16.5	24.7
108	16.7	13.4	20.0





#41
Hexachlorocyclopentadiene
Concen: 42.205 ng
RT: 12.466 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 29725

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.1	83.1
272	13.4	0.0	33.4

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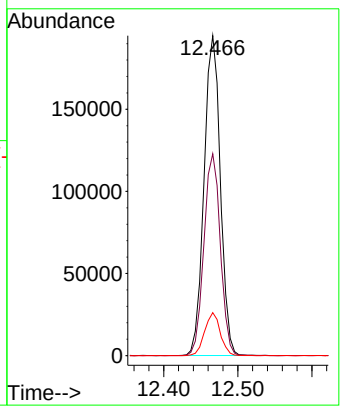
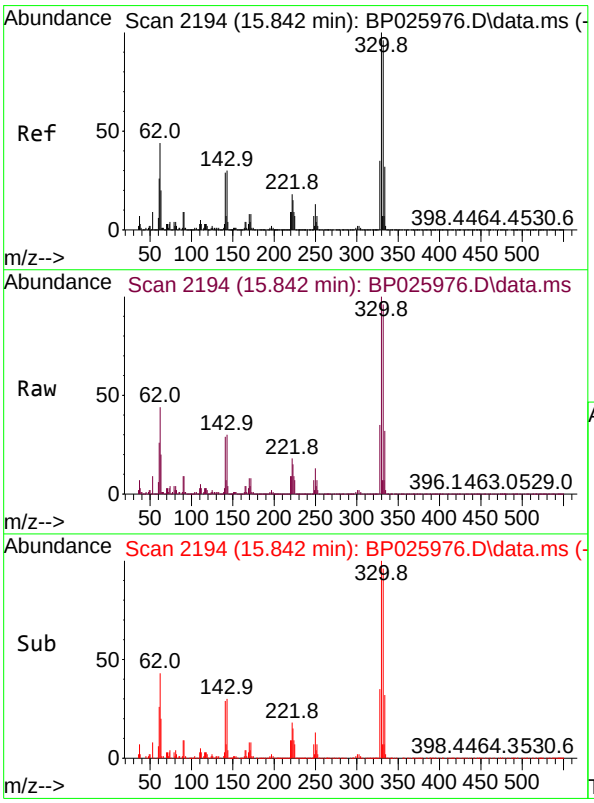
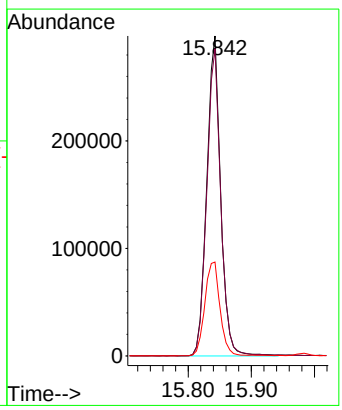


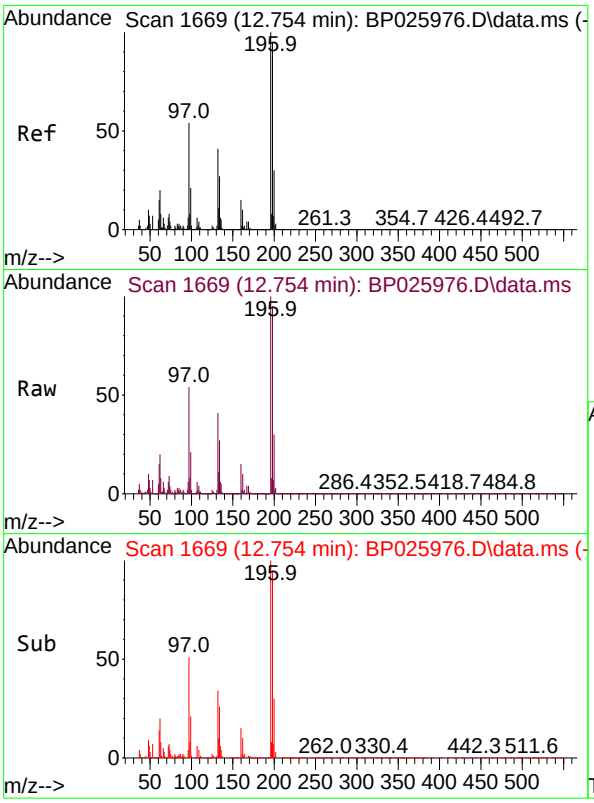


#42
2,4,6-Tribromophenol
Concen: 86.094 ng
RT: 15.842 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:330 Resp: 454692

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.8	116.8
141	32.0	25.6	38.4

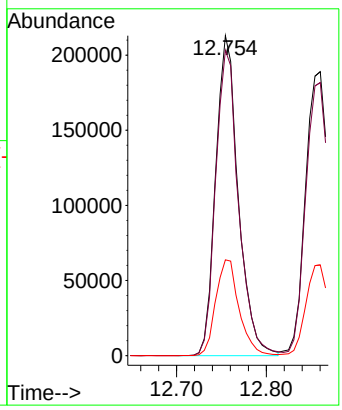




#43
2,4,6-Trichlorophenol
Concen: 46.090 ng
RT: 12.754 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:196 Resp: 37371

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.3	114.5
200	29.9	23.9	35.9



Instrument :
BNA_P
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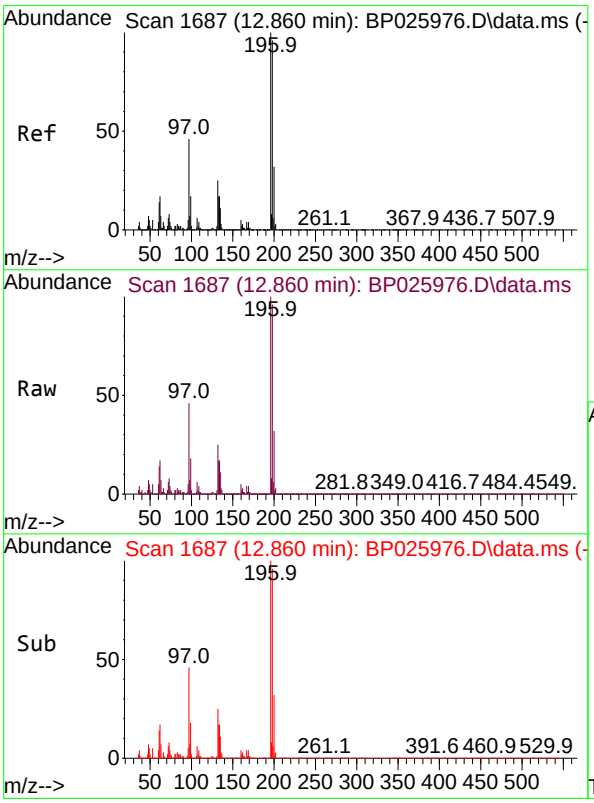
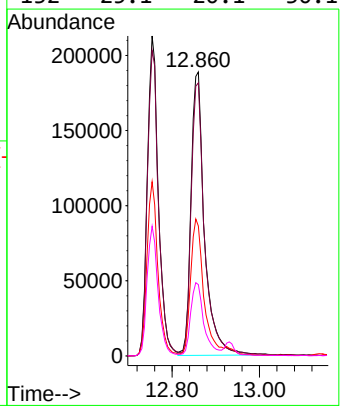
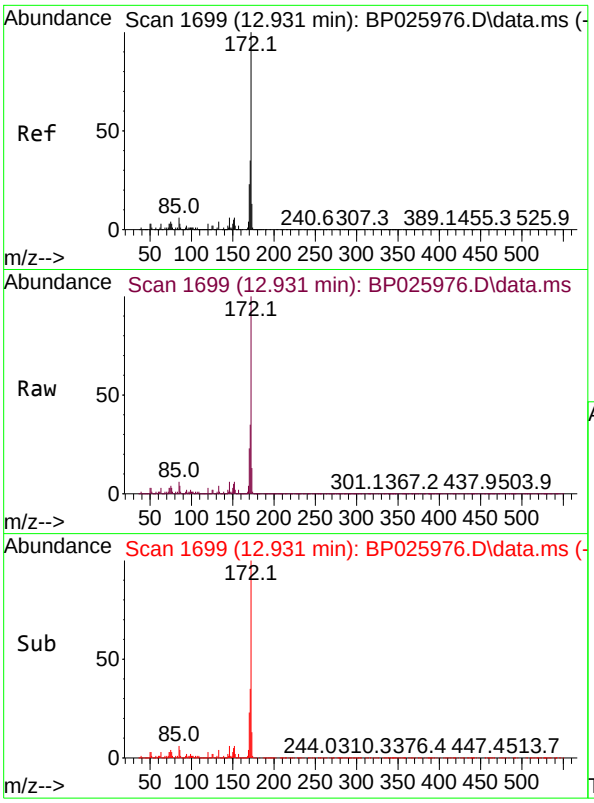


#44
2,4,5-Trichlorophenol
Concen: 46.006 ng
RT: 12.860 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:196 Resp: 406208

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.0	115.4
97	45.7	36.6	54.8
132	25.1	20.1	30.1

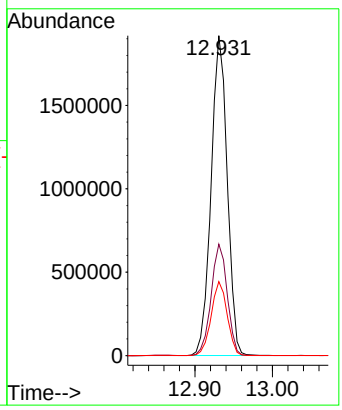




#45
2-Fluorobiphenyl
Concen: 90.585 ng
RT: 12.931 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:172 Resp: 277257

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.8
170	23.1	18.5	27.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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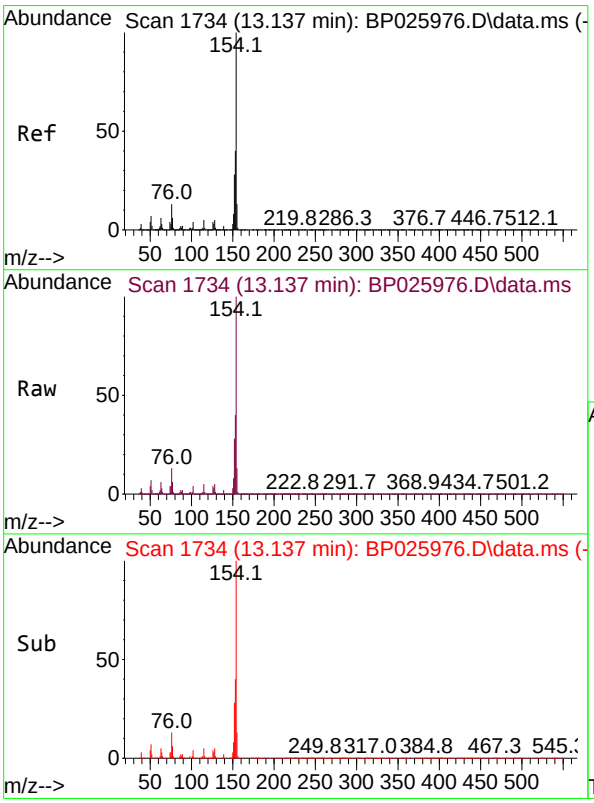
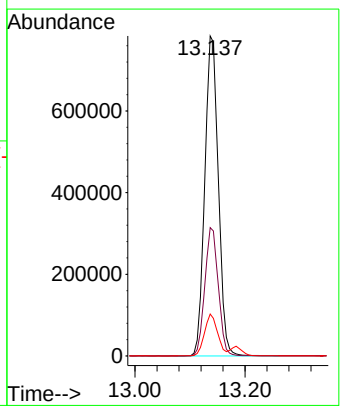
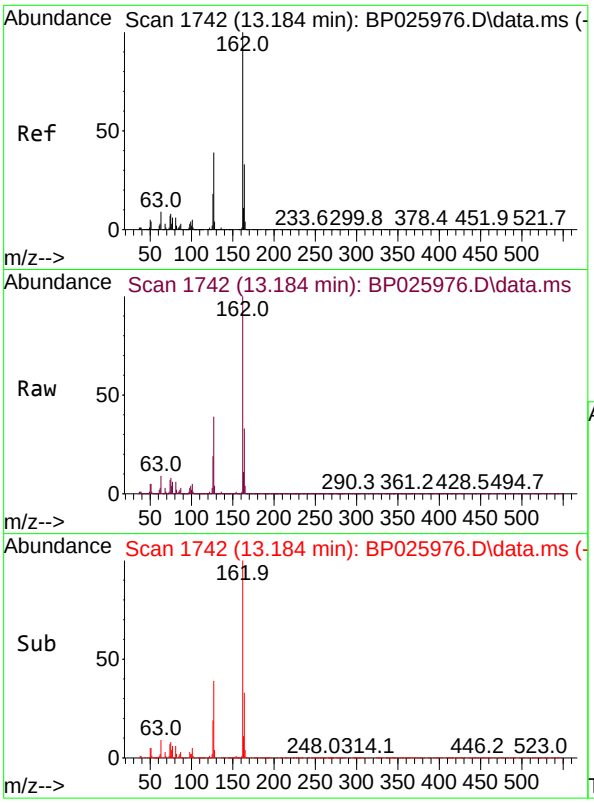


#46
1,1'-Biphenyl
Concen: 45.140 ng
RT: 13.137 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:154 Resp: 1337697

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	13.1	0.0	33.1

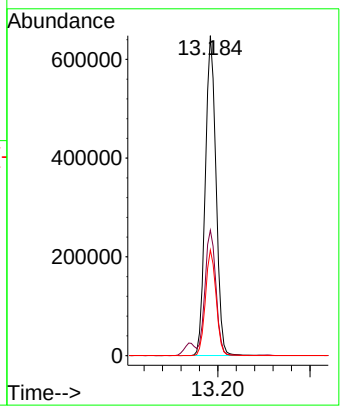




#47
2-Chloronaphthalene
Concen: 44.981 ng
RT: 13.184 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:162 Resp: 104223

Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.4	47.0
164	33.0	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
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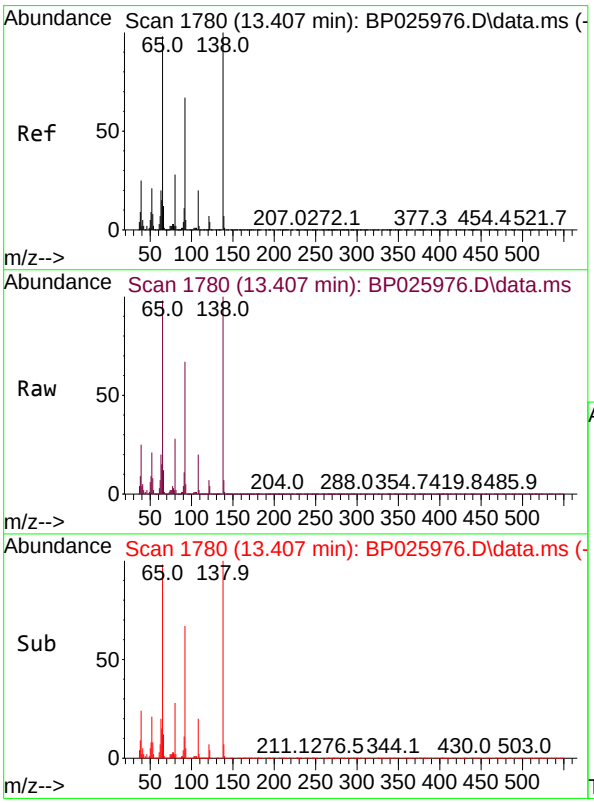
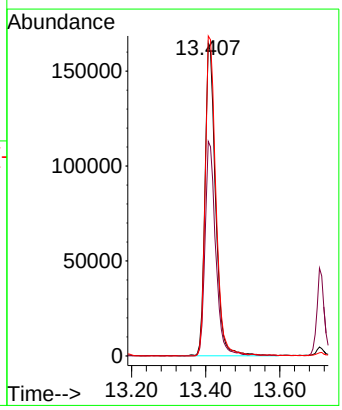
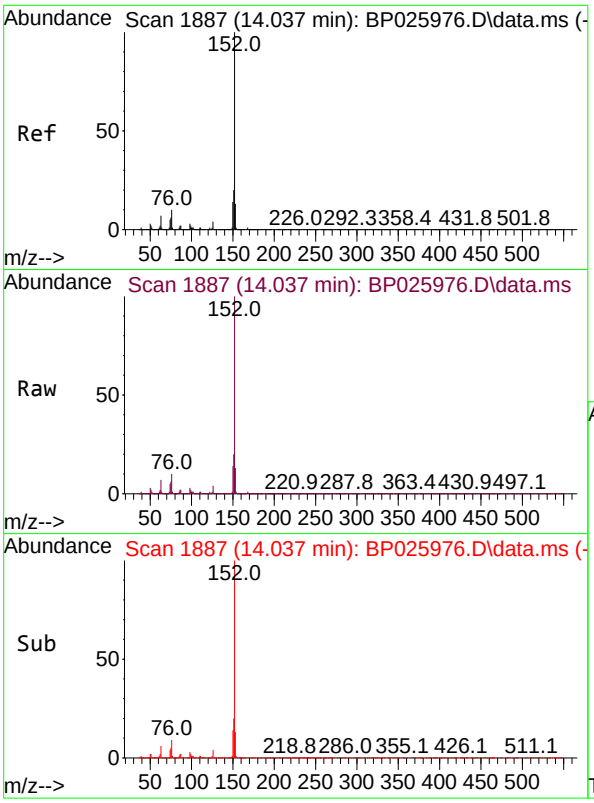


#48
2-Nitroaniline
Concen: 45.107 ng
RT: 13.407 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion: 65 Resp: 325746

Ion	Ratio	Lower	Upper
65	100		
92	68.7	55.0	82.4
138	102.5	82.0	123.0





#49
Acenaphthylene
Concen: 44.619 ng
RT: 14.037 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 167165

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	15.8

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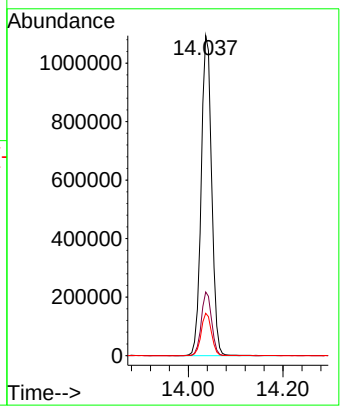
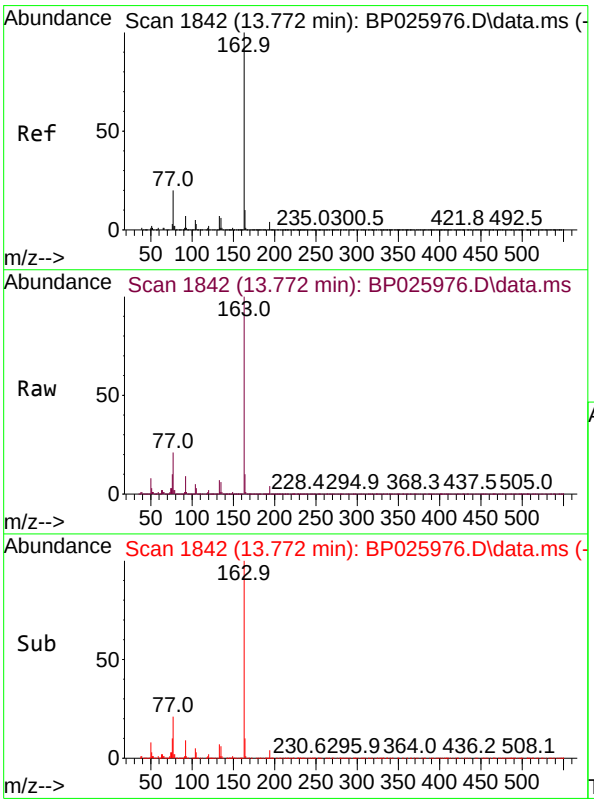
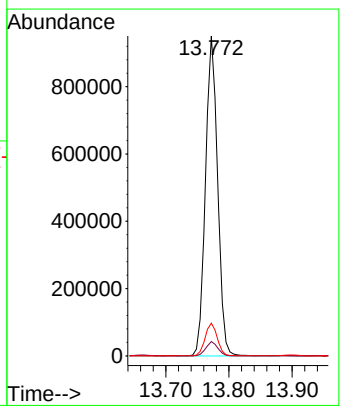


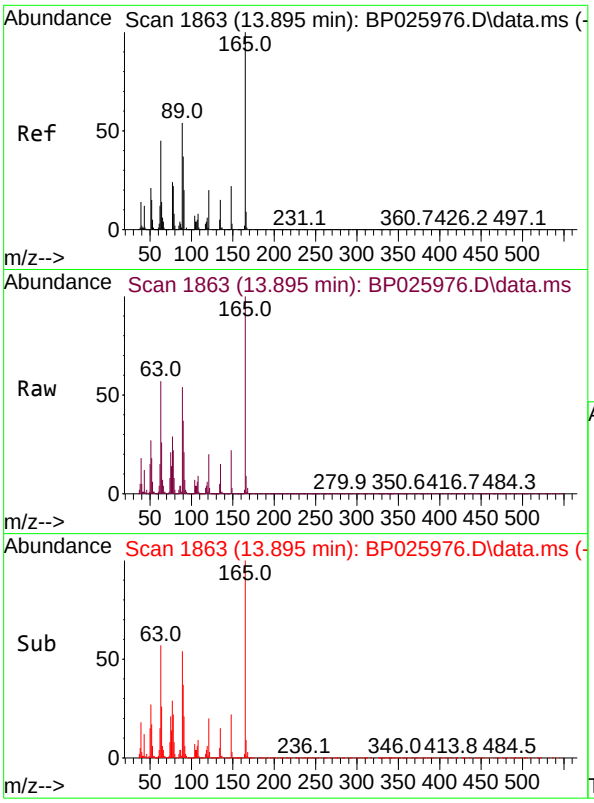


#50
Dimethylphthalate
Concen: 42.723 ng
RT: 13.772 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:163 Resp: 1266843

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.6	5.4
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 44.211 ng
RT: 13.895 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:165 Resp: 28305

Ion	Ratio	Lower	Upper
165	100		
63	56.7	45.4	68.0
89	54.2	43.4	65.0

Instrument :
BNA_P
ClientSampleId :
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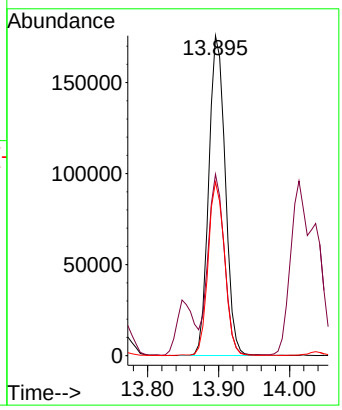
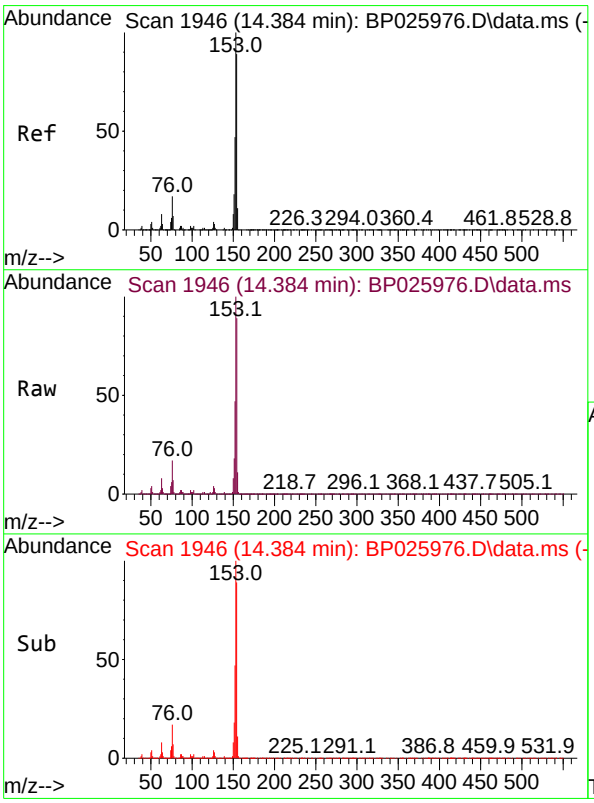
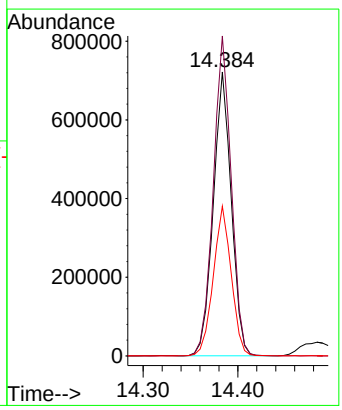


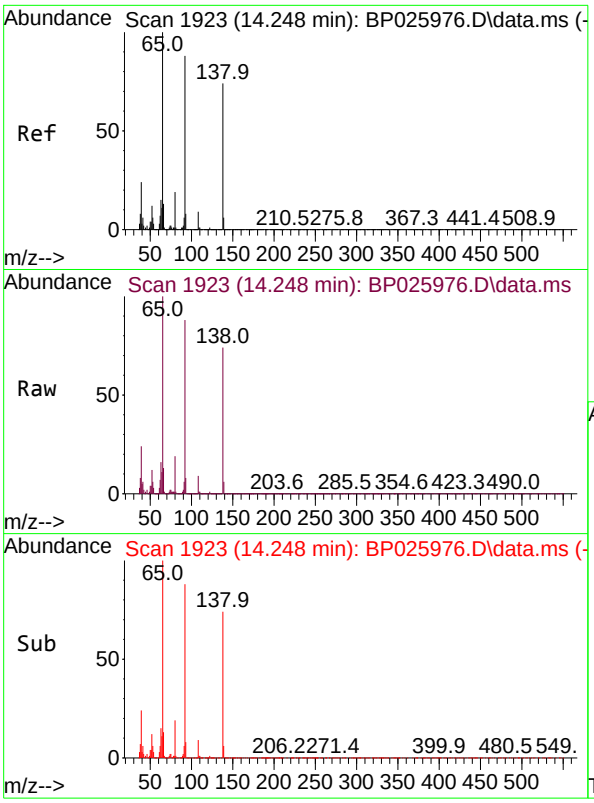


#52
Acenaphthene
Concen: 44.116 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:154 Resp: 954427

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.2	135.2
152	52.7	42.2	63.2

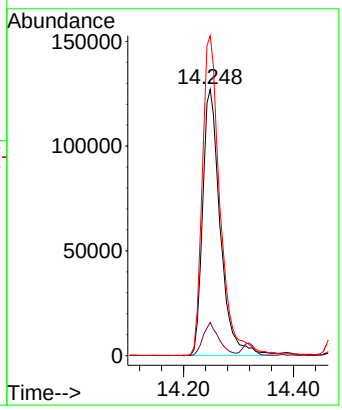




#53
3-Nitroaniline
Concen: 44.833 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:138 Resp: 28250

Ion	Ratio	Lower	Upper
138	100		
108	12.5	10.0	15.0
92	120.1	96.1	144.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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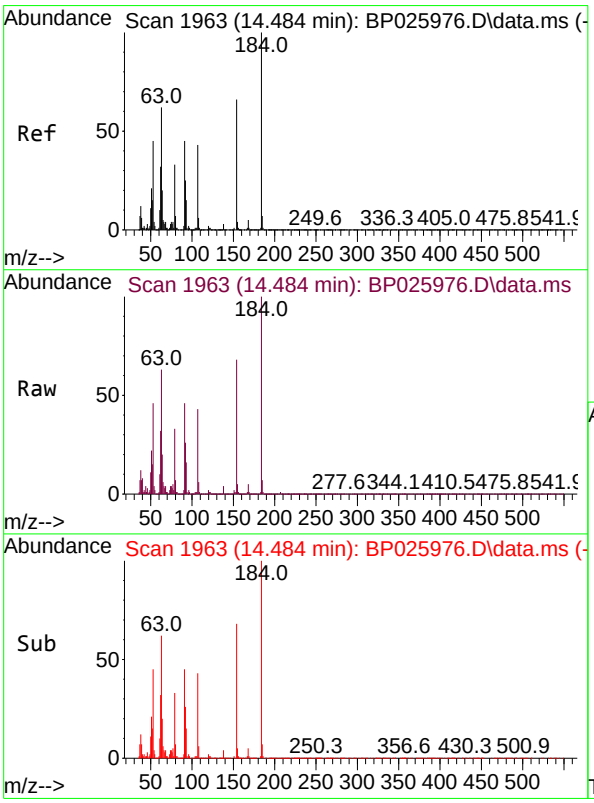
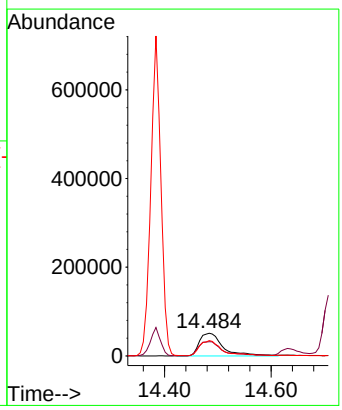
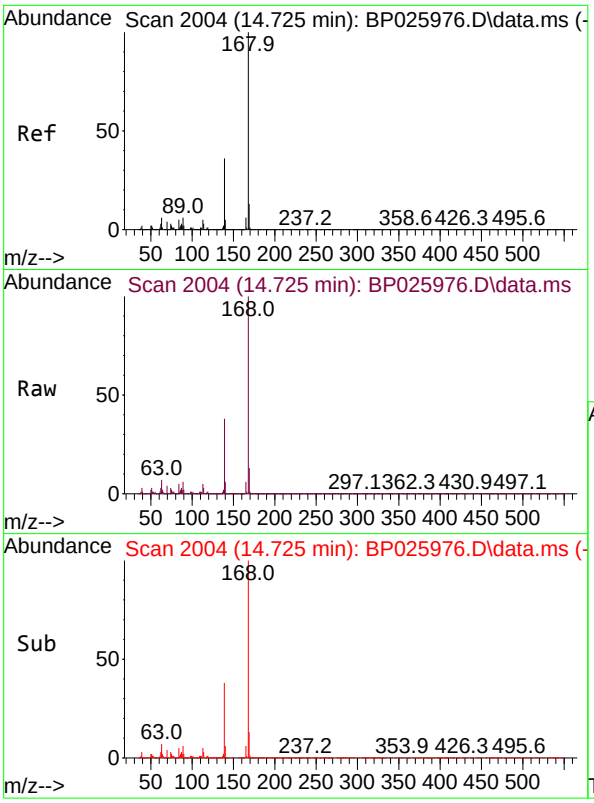


#54
2,4-Dinitrophenol
Concen: 39.103 ng
RT: 14.484 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:184 Resp: 157151

Ion	Ratio	Lower	Upper
184	100		
63	62.7	50.2	75.2
154	67.8	54.2	81.4

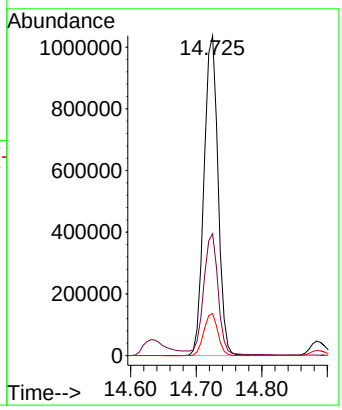




#55
Dibenzofuran
Concen: 44.238 ng
RT: 14.725 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:168 Resp: 153246

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.5	45.7
169	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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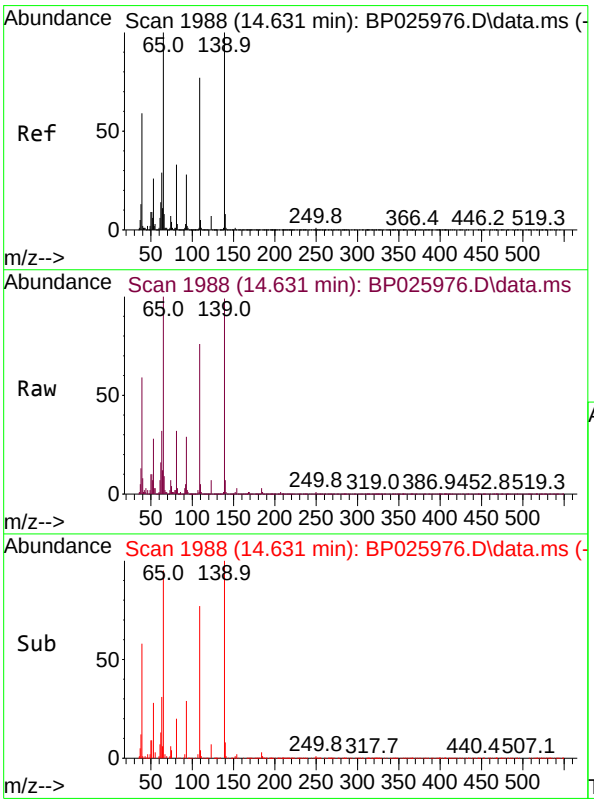
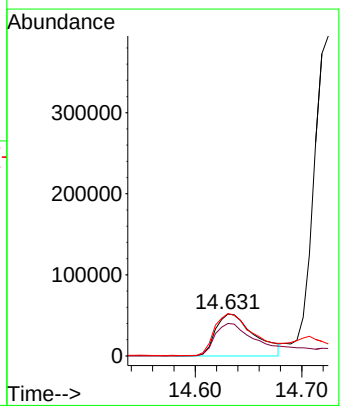
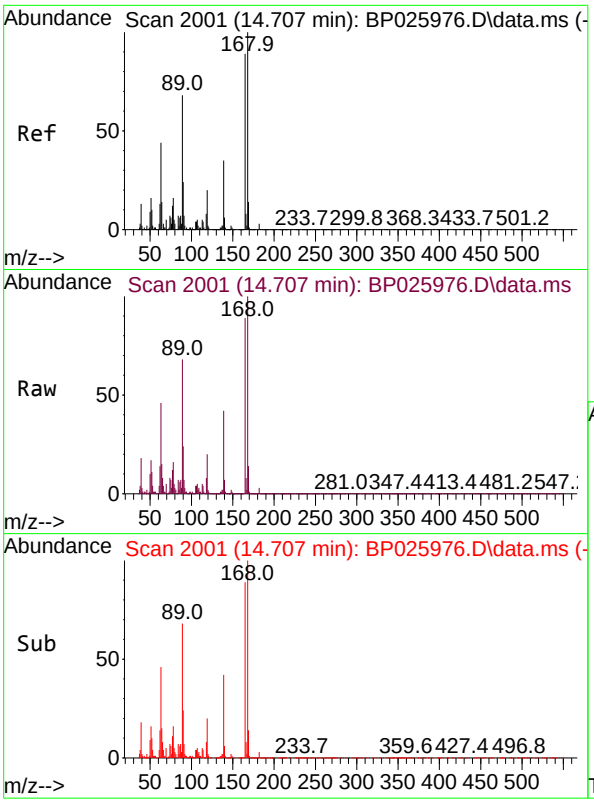


#56
4-Nitrophenol
Concen: 33.716 ng
RT: 14.631 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:139 Resp: 130388

Ion	Ratio	Lower	Upper
139	100		
109	77.6	57.6	97.6
65	101.4	81.4	121.4

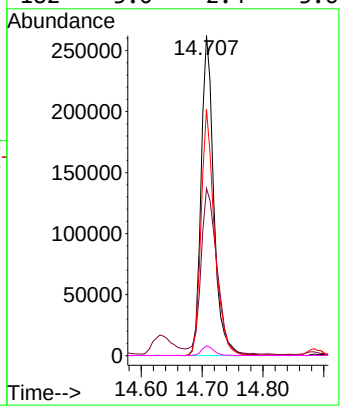




#57
2,4-Dinitrotoluene
Concen: 43.647 ng
RT: 14.707 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:165 Resp: 37864

Ion	Ratio	Lower	Upper
165	100		
63	52.2	41.8	62.6
89	77.0	61.6	92.4
182	3.0	2.4	3.6



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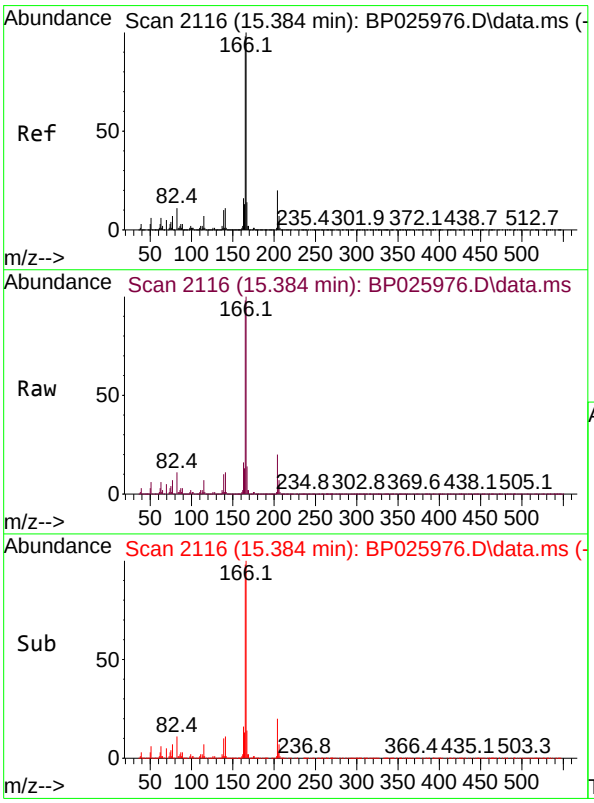
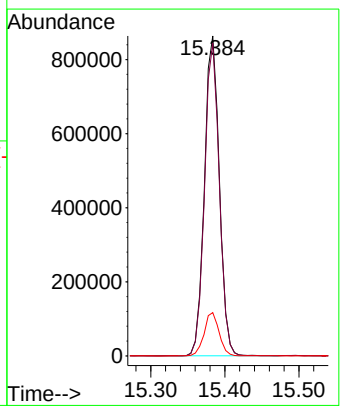
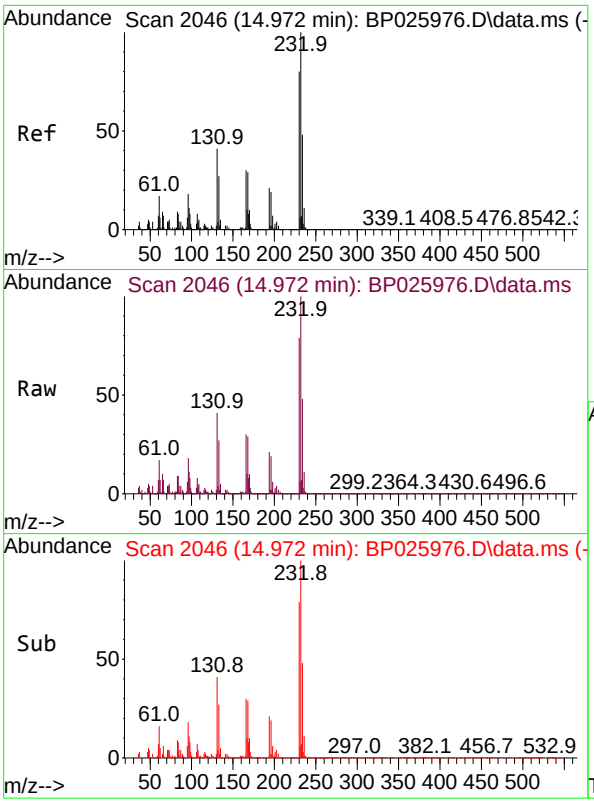


#58
Fluorene
Concen: 43.340 ng
RT: 15.384 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:166 Resp: 1206386

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.2
167	13.5	10.8	16.2

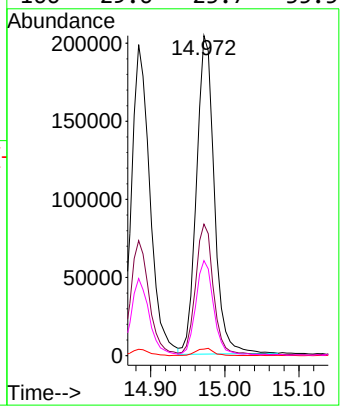




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.988 ng
RT: 14.972 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:232 Resp: 34058

Ion	Ratio	Lower	Upper
232	100		
131	42.3	33.8	50.8
130	2.3	1.8	2.8
166	29.6	23.7	35.5



Instrument :
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ClientSampleId :
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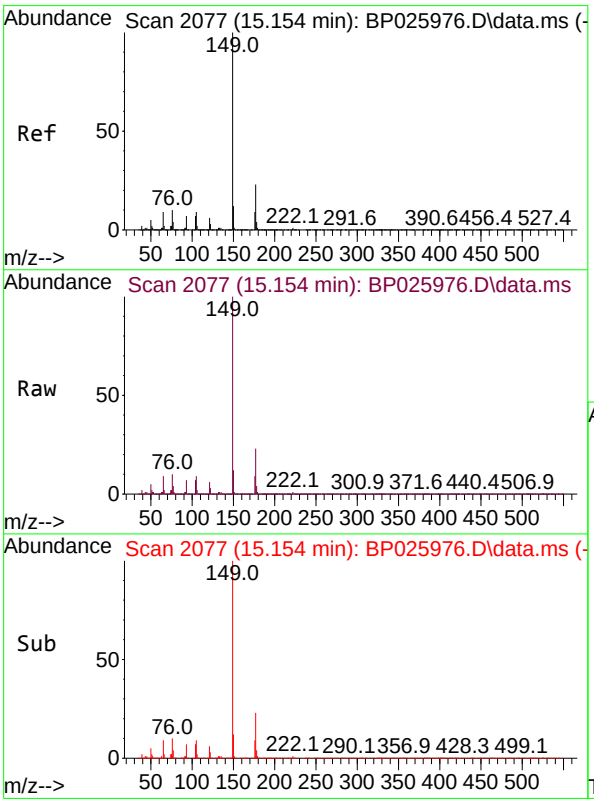
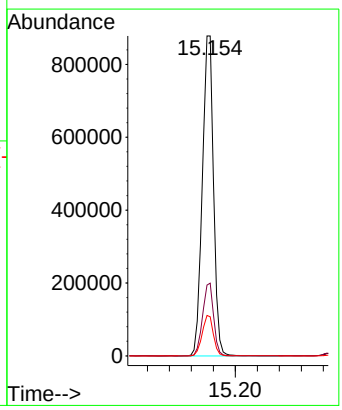
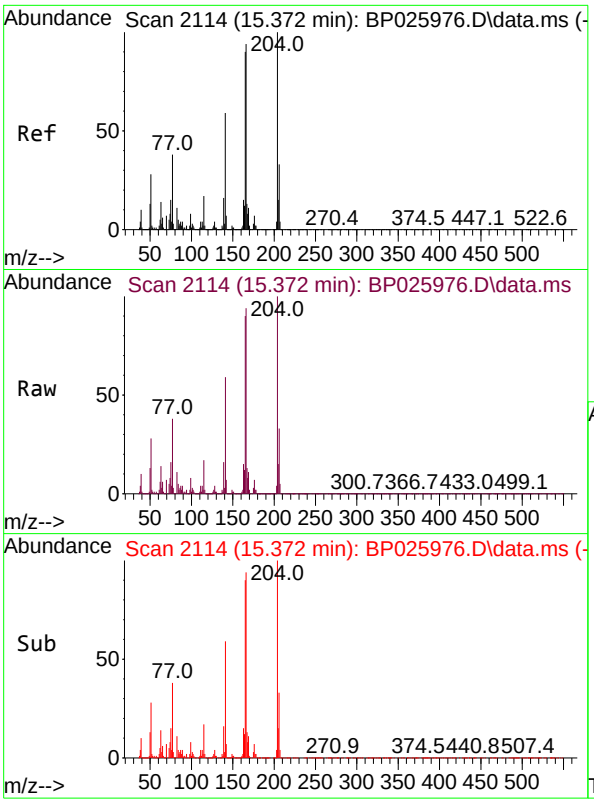


#60
Diethylphthalate
Concen: 42.277 ng
RT: 15.154 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:149 Resp: 1236035

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.2	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 43.074 ng
RT: 15.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:204 Resp: 63048

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	59.0	47.2	70.8

Instrument :
BNA_P
ClientSampleId :
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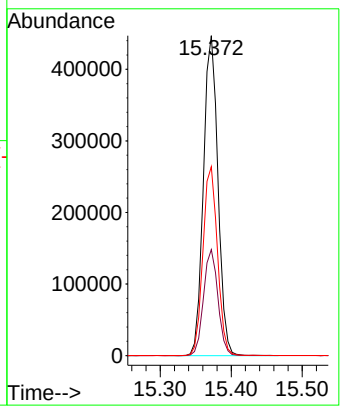
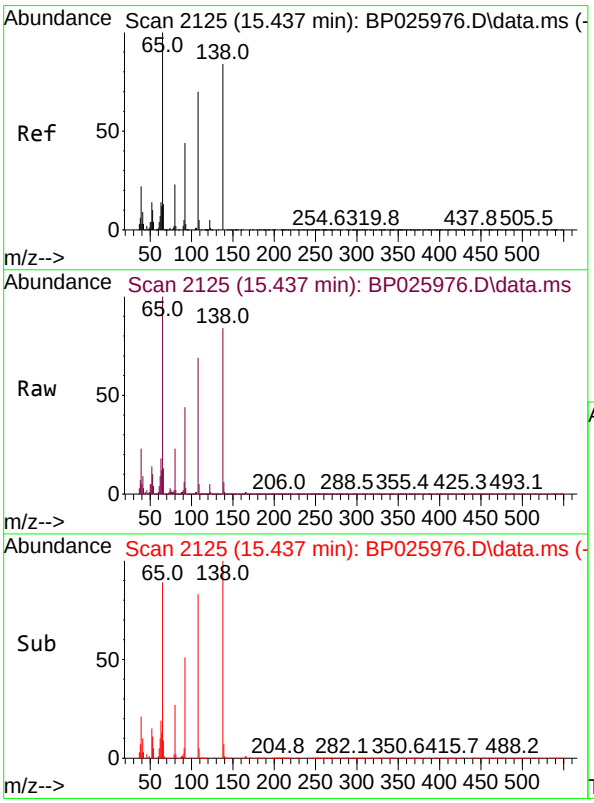
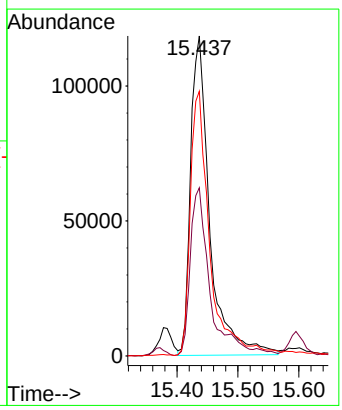


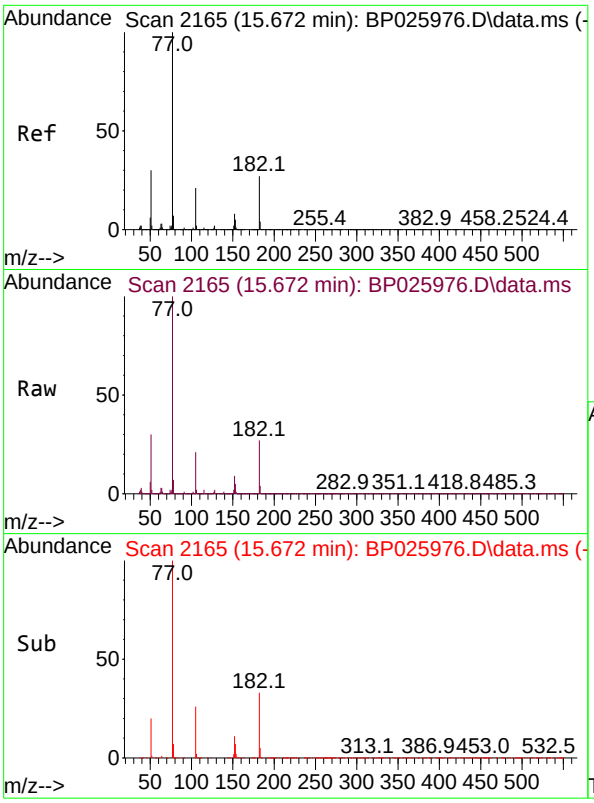


#62
4-Nitroaniline
Concen: 44.574 ng
RT: 15.437 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:138 Resp: 258828

Ion	Ratio	Lower	Upper
138	100		
92	52.5	32.5	72.5
108	82.7	62.7	102.7





#63
Azobenzene
Concen: 43.376 ng
RT: 15.672 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 118203

Ion	Ratio	Lower	Upper
77	100		
182	26.6	6.6	46.6
105	21.3	1.3	41.3
51	30.1	10.1	50.1

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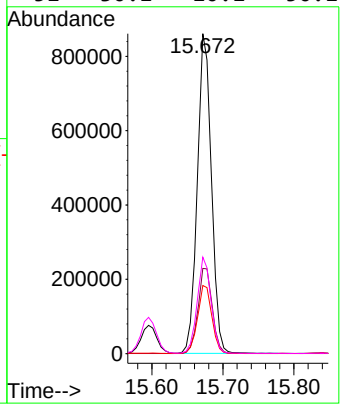
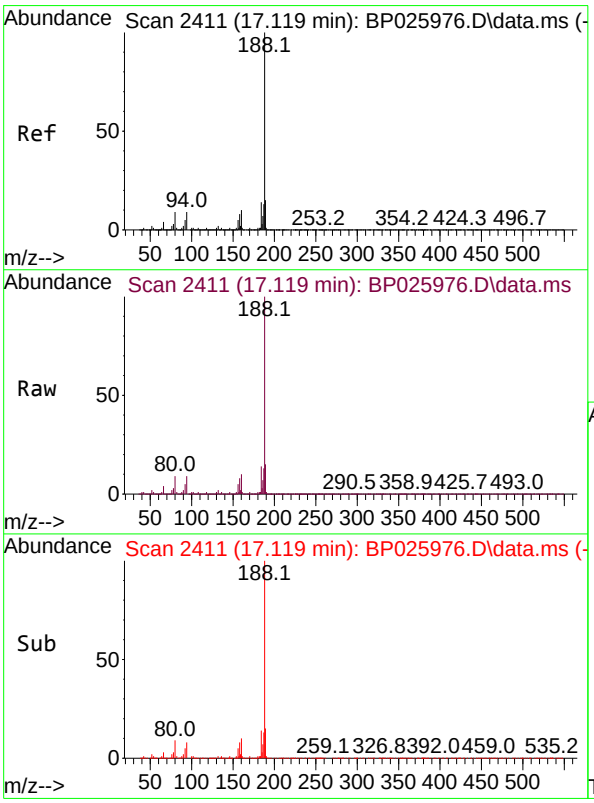
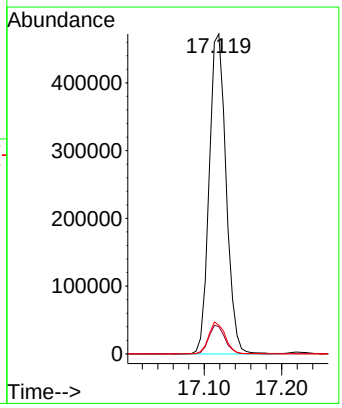


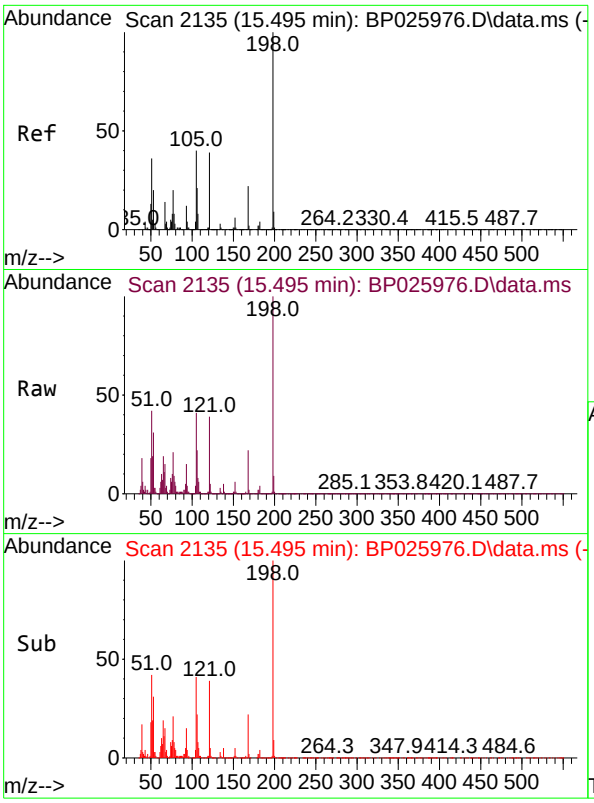


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:188 Resp: 714500

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.0	7.2	10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 44.678 ng
RT: 15.495 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:198 Resp: 23072

Ion	Ratio	Lower	Upper
198	100		
51	42.1	22.1	62.1
105	40.8	20.8	60.8

Instrument :
BNA_P
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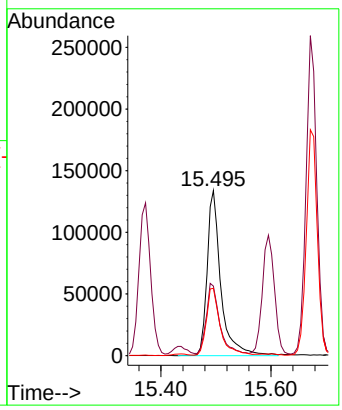
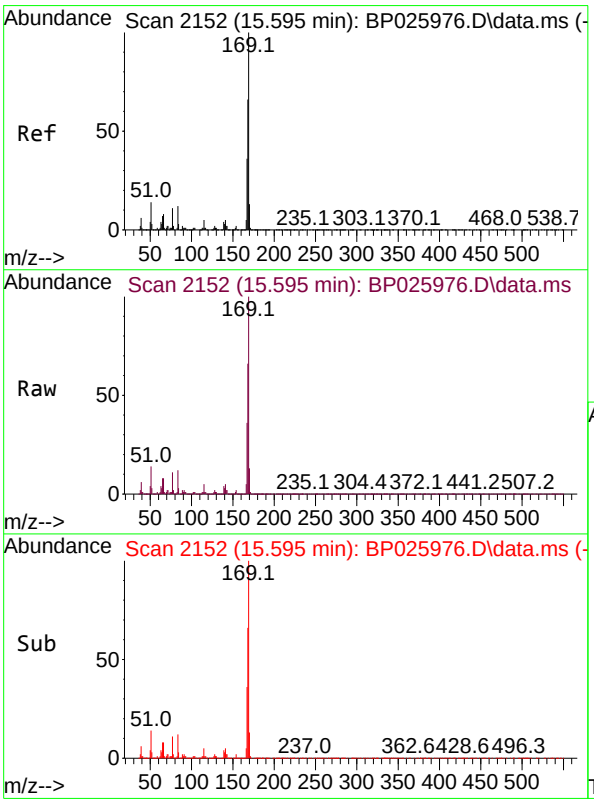
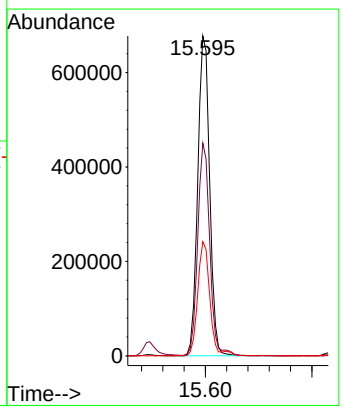


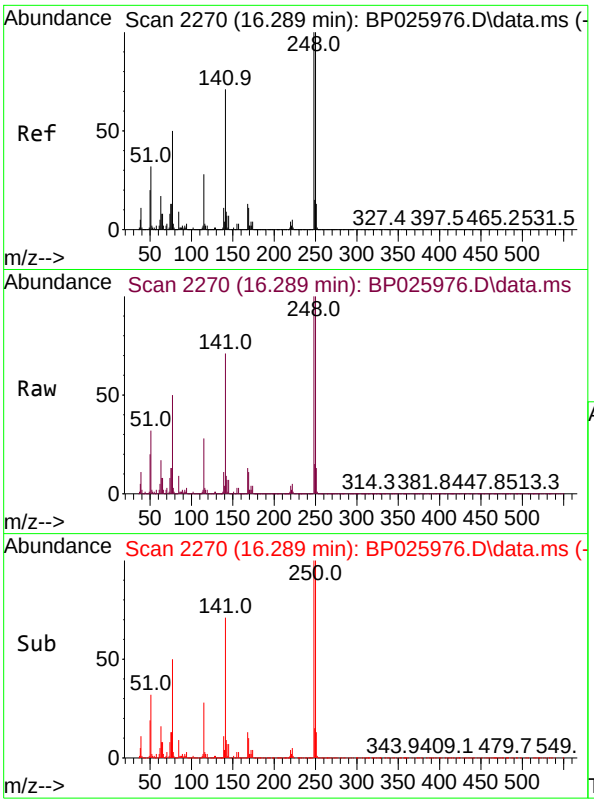


#66
n-Nitrosodiphenylamine
Concen: 45.583 ng
RT: 15.595 min Scan# 2152
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:169 Resp: 1047859

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	35.7	28.6	42.8

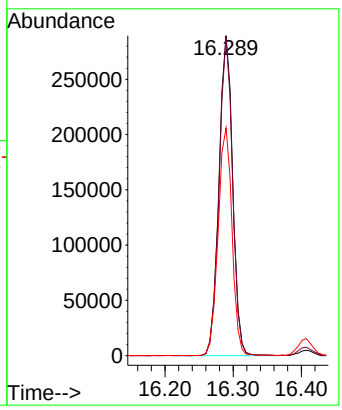




#67
4-Bromophenyl-phenylether
Concen: 45.506 ng
RT: 16.289 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:248 Resp: 401319

Ion	Ratio	Lower	Upper
248	100		
250	99.7	79.8	119.6
141	71.2	57.0	85.4



Instrument :
BNA_P
ClientSampleId :
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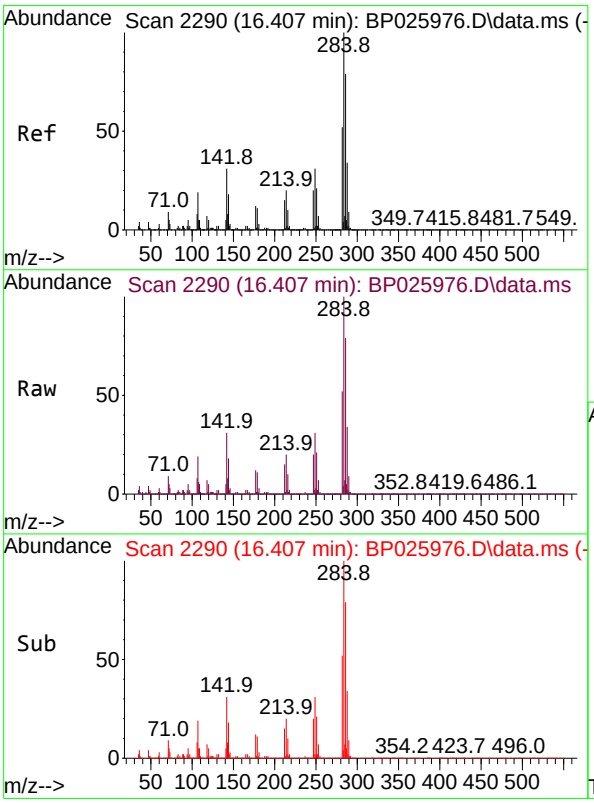
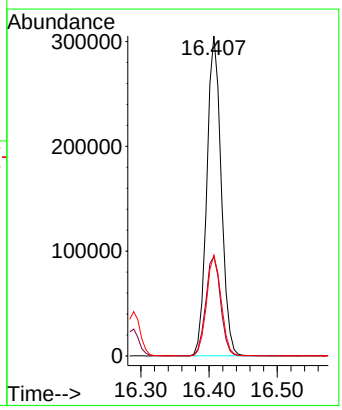
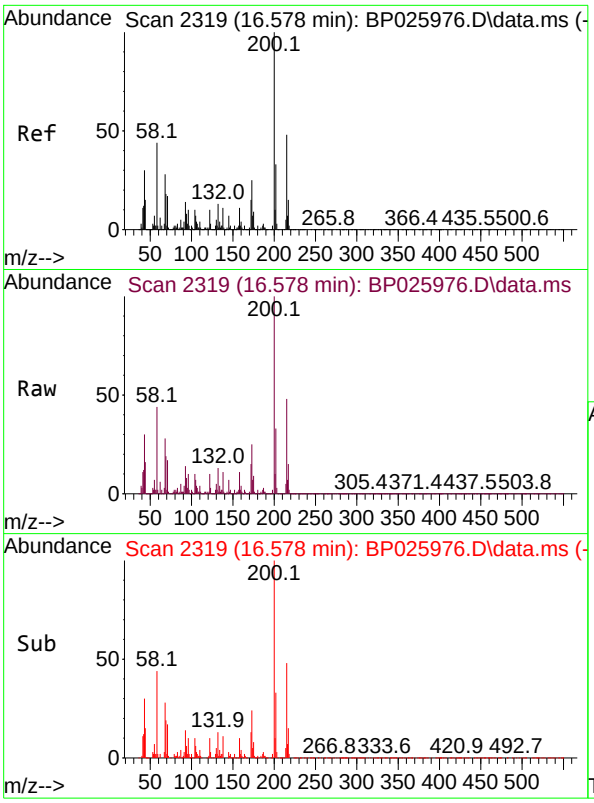


#68
Hexachlorobenzene
Concen: 44.950 ng
RT: 16.407 min Scan# 2290
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:284 Resp: 444705

Ion	Ratio	Lower	Upper
284	100		
142	31.1	24.9	37.3
249	31.4	25.1	37.7





#69
Atrazine
Concen: 44.617 ng
RT: 16.578 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:200 Resp: 37001

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.3	45.3
215	48.2	28.2	68.2

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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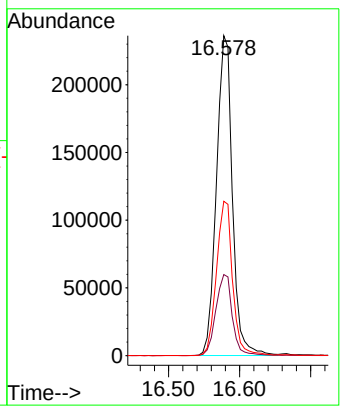
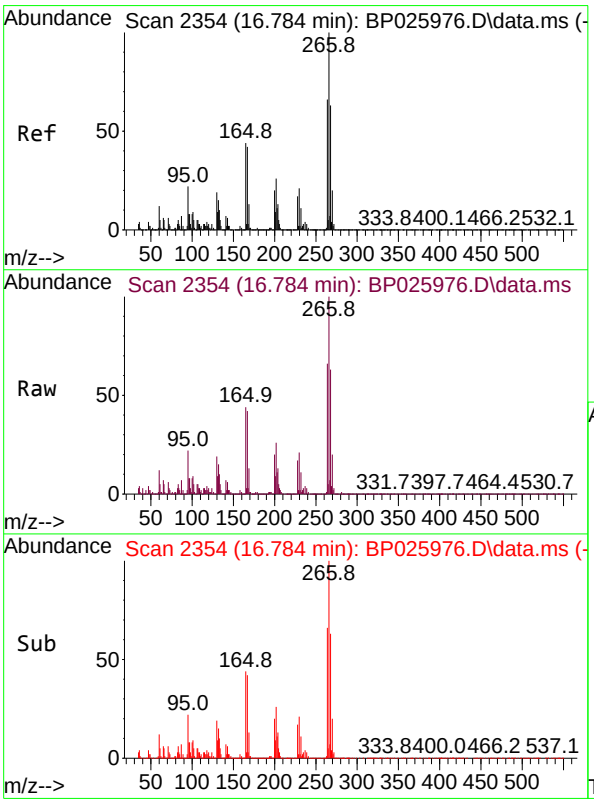
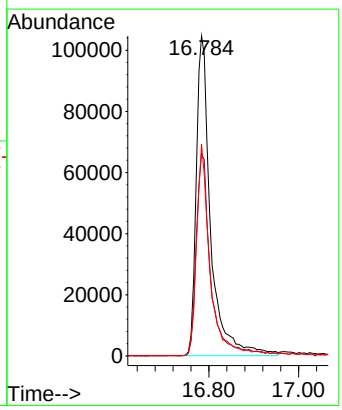


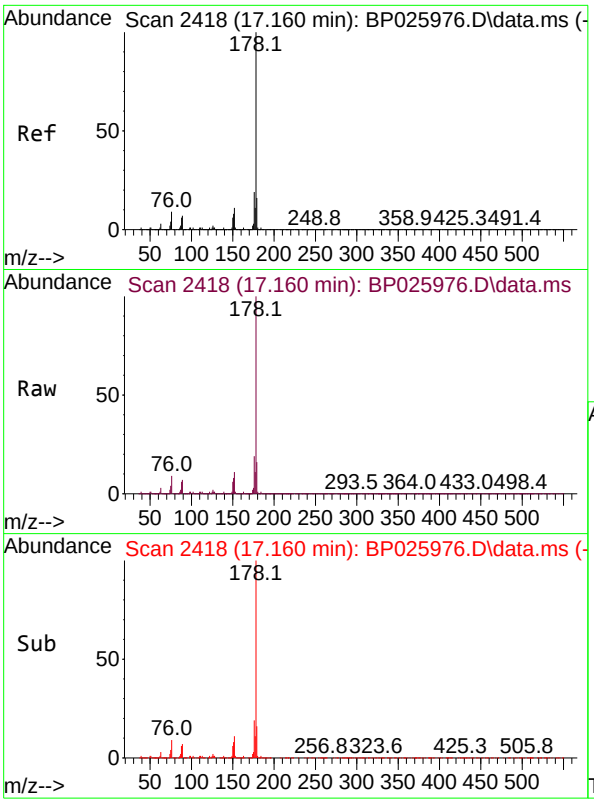


#70
Pentachlorophenol
Concen: 44.604 ng
RT: 16.784 min Scan# 2354
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:266 Resp: 233801

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.5	75.7
264	66.1	52.9	79.3

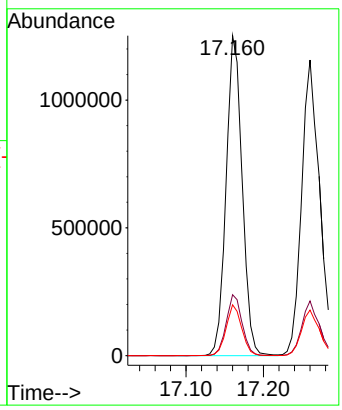




#71
Phenanthrene
Concen: 44.642 ng
RT: 17.160 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:178 Resp: 180780

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.9	12.7	19.1



Instrument :
BNA_P
ClientSampleId :
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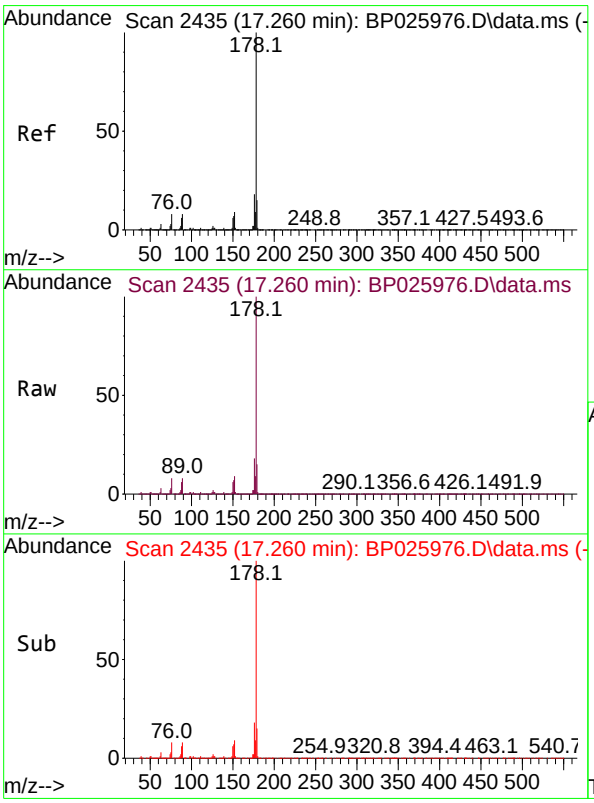
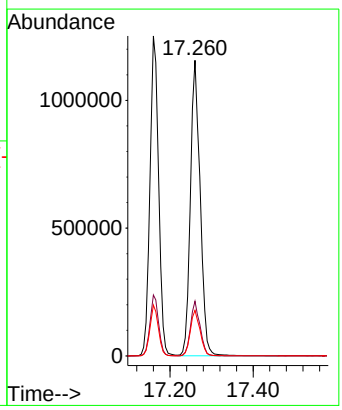
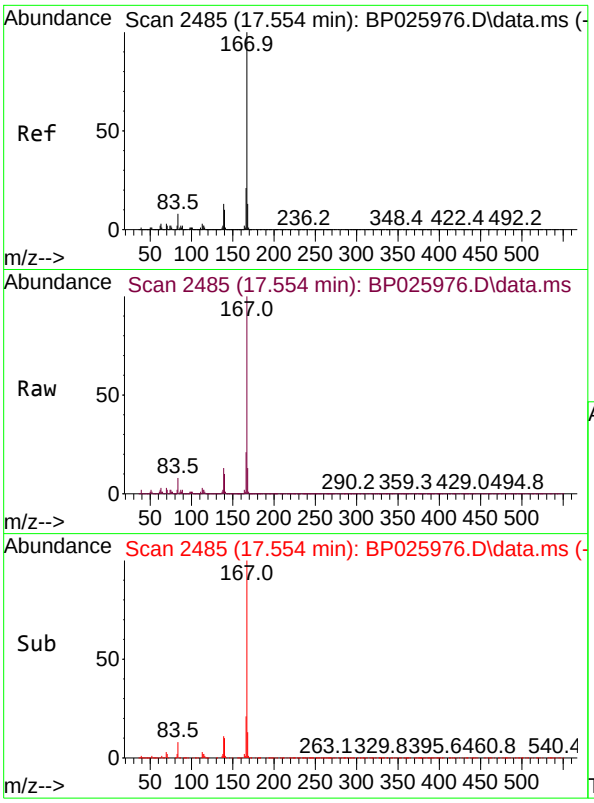


#72
Anthracene
Concen: 45.445 ng
RT: 17.260 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:178 Resp: 1879868

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.3	18.5

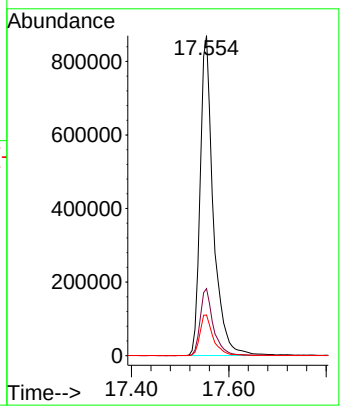




#73
Carbazole
Concen: 44.549 ng
RT: 17.554 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:167 Resp: 162449

Ion	Ratio	Lower	Upper
167	100		
166	20.9	16.7	25.1
139	12.7	10.2	15.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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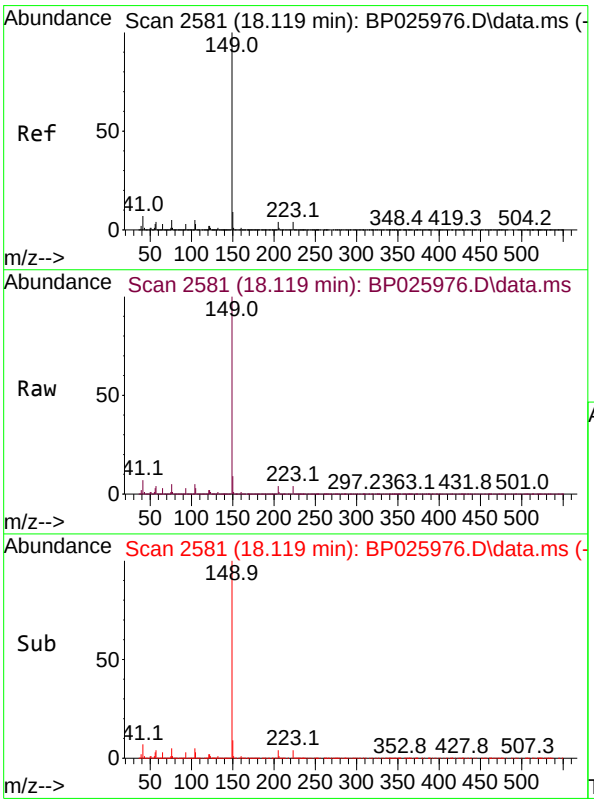
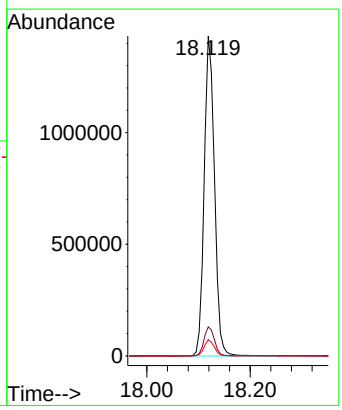
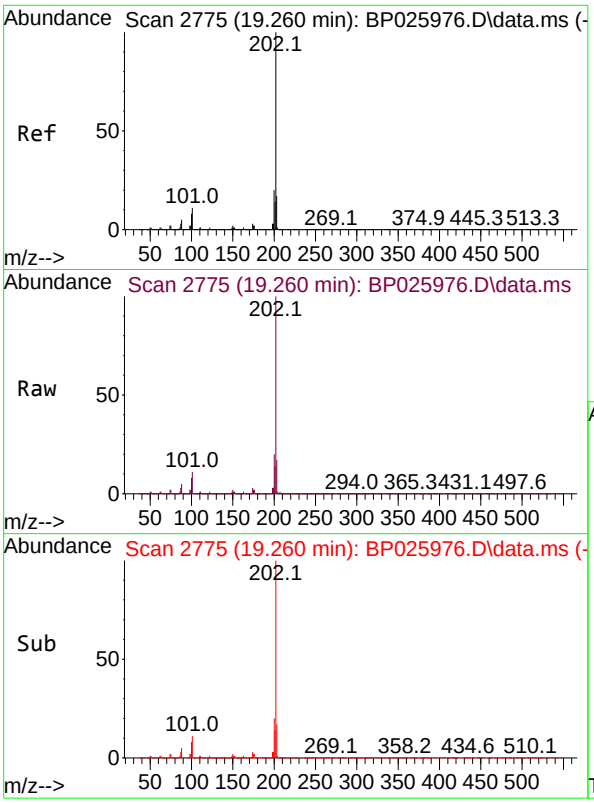


#74
Di-n-butylphthalate
Concen: 44.138 ng
RT: 18.119 min Scan# 2581
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:149 Resp: 1980763

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	5.1	4.1	6.1





#75
Fluoranthene
Concen: 44.477 ng
RT: 19.260 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:202 Resp: 203165

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.5
203	17.1	0.0	37.1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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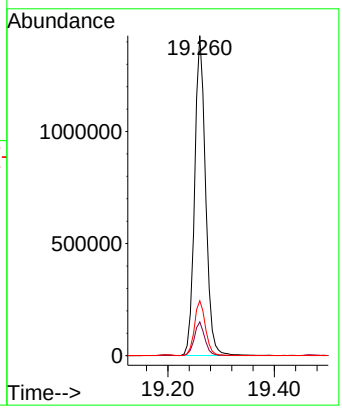
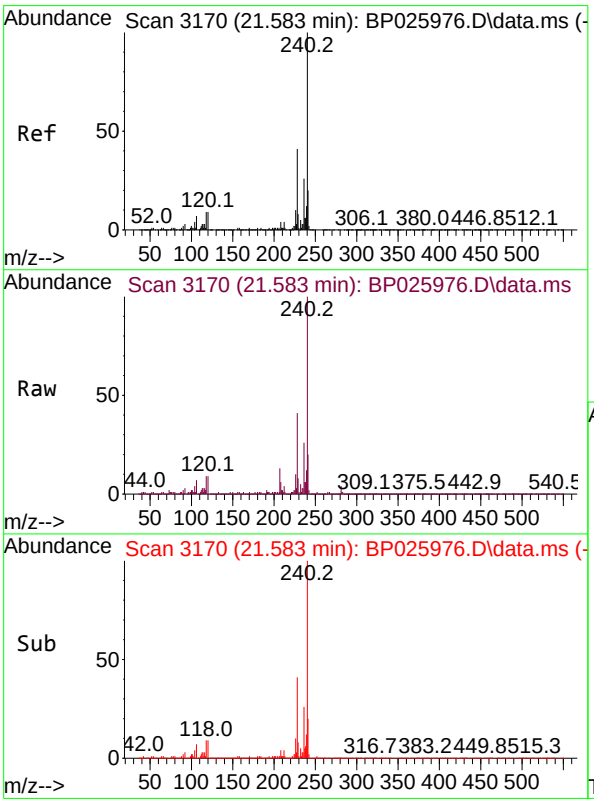
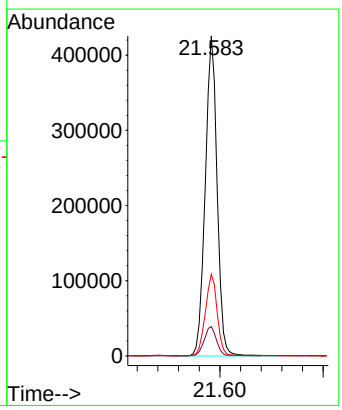


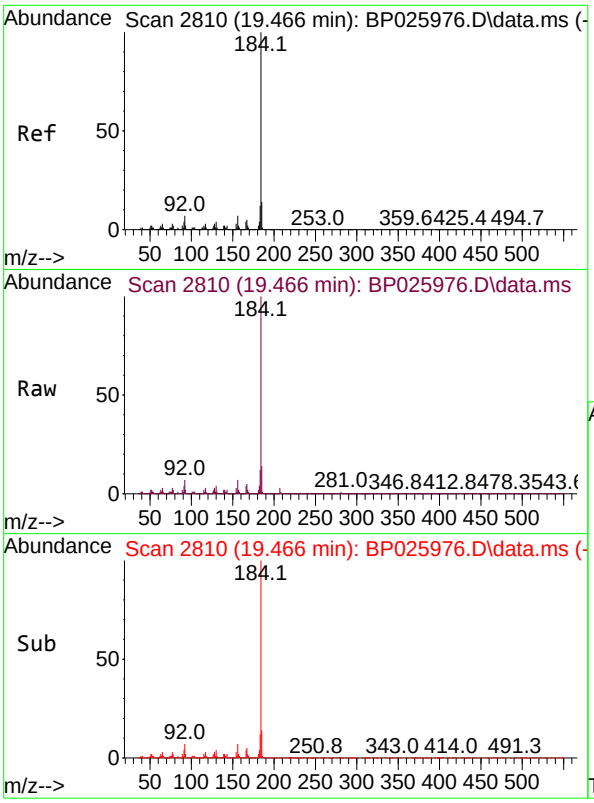


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:240 Resp: 676538

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.4	11.0
236	25.5	20.4	30.6





#77
Benzidine
Concen: 44.183 ng
RT: 19.466 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:184 Resp: 95777

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.8	9.4	14.2

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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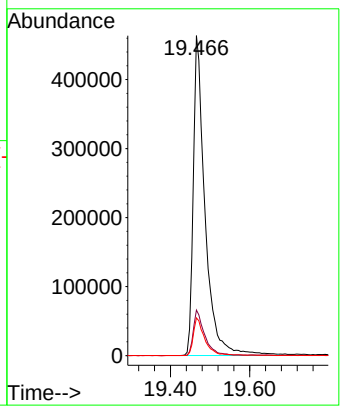
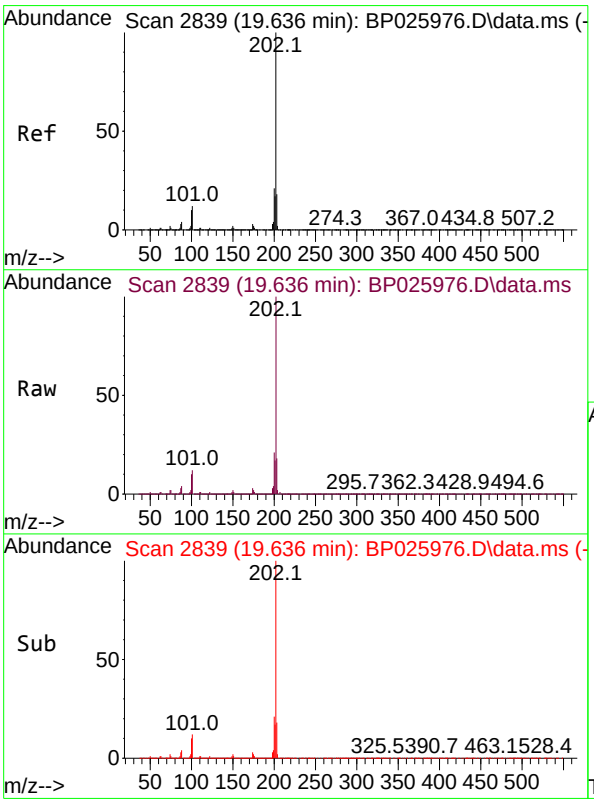
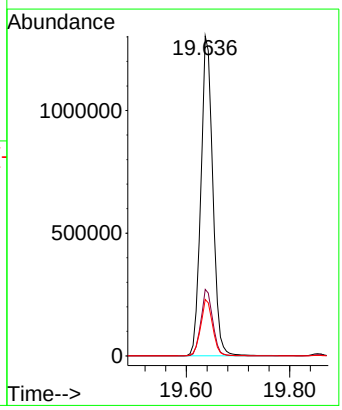


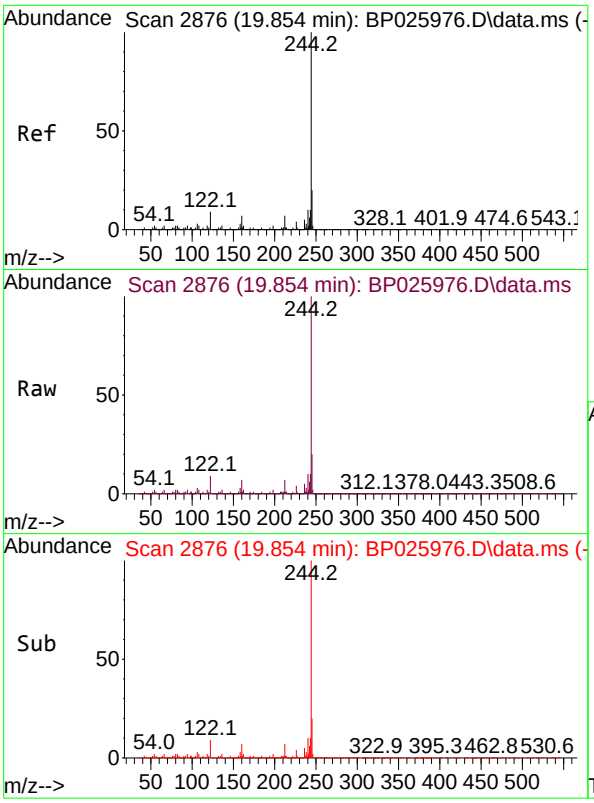


#78
Pyrene
Concen: 41.801 ng
RT: 19.636 min Scan# 2839
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:202 Resp: 2085780

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.6	14.1	21.1





#79
Terphenyl-d14
Concen: 83.632 ng
RT: 19.854 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 3540290

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	8.9	7.1	10.7

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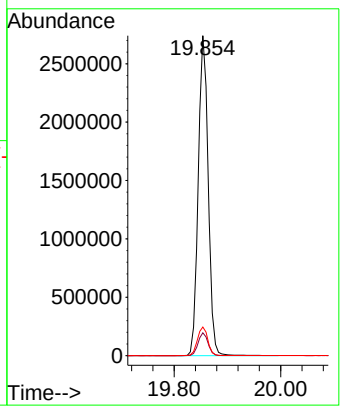
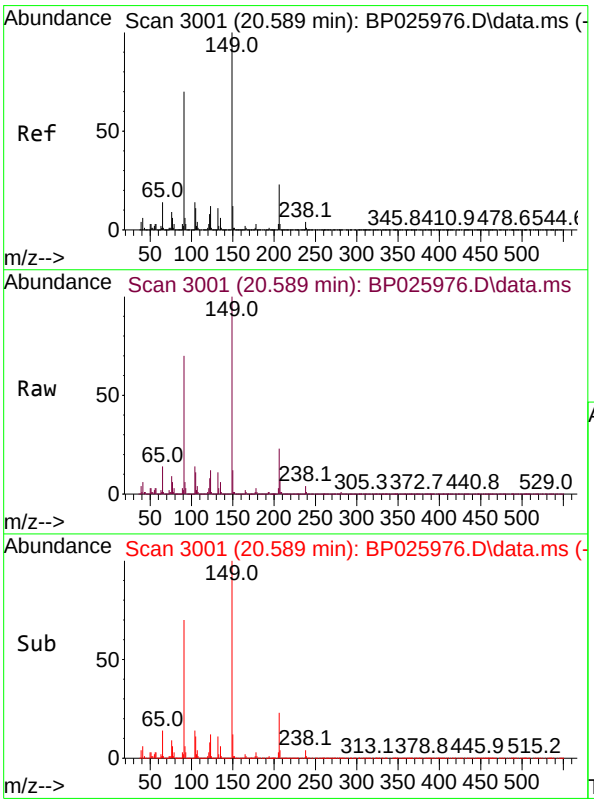
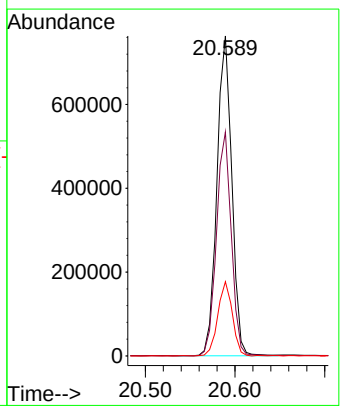


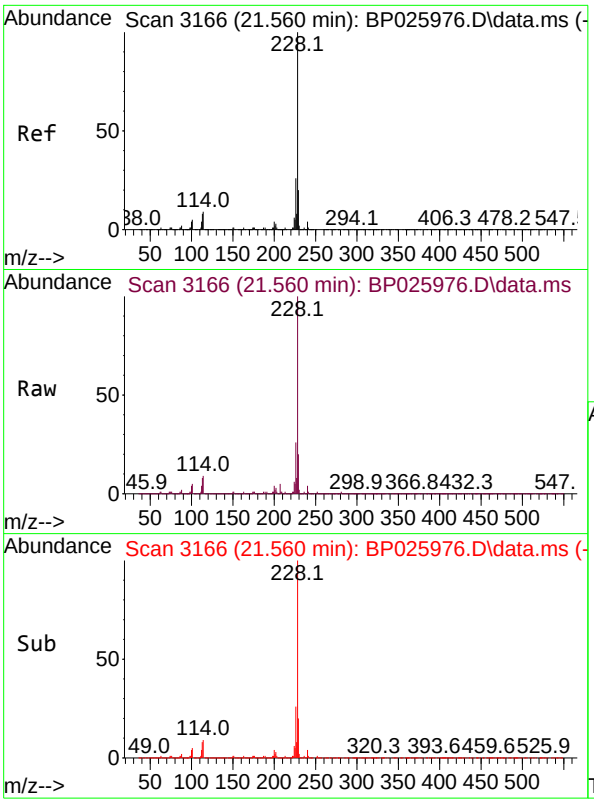


#80
Butylbenzylphthalate
Concen: 44.398 ng
RT: 20.589 min Scan# 3001
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:149 Resp: 881613

Ion	Ratio	Lower	Upper
149	100		
91	70.0	56.0	84.0
206	23.2	18.6	27.8

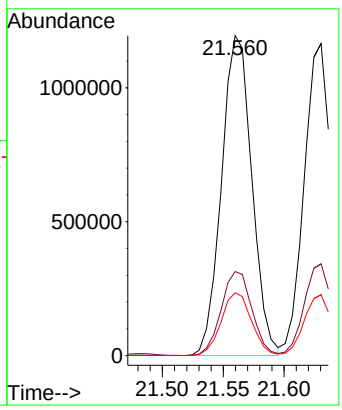




#81
Benzo(a)anthracene
Concen: 44.766 ng
RT: 21.560 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:228 Resp: 207138

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.0	31.6
229	19.6	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
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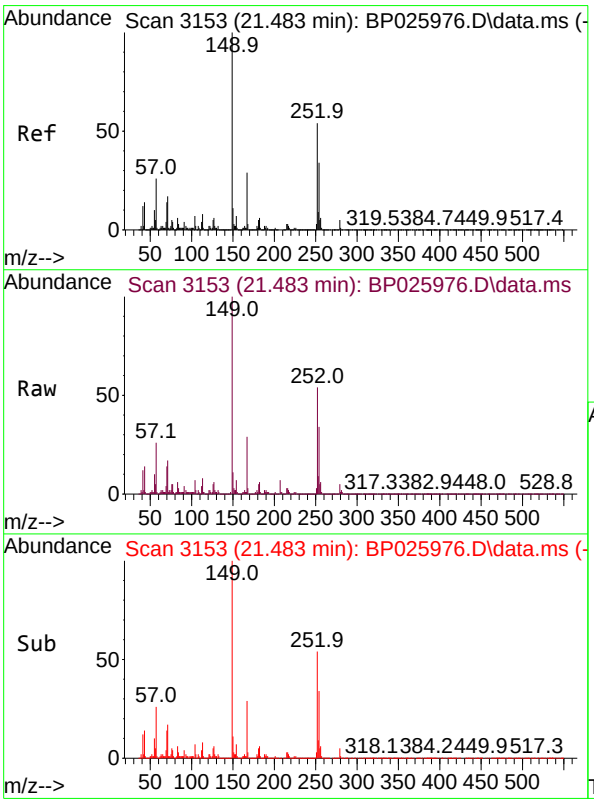
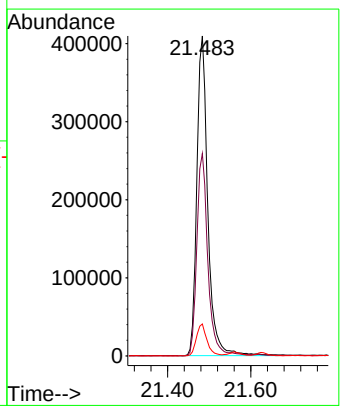
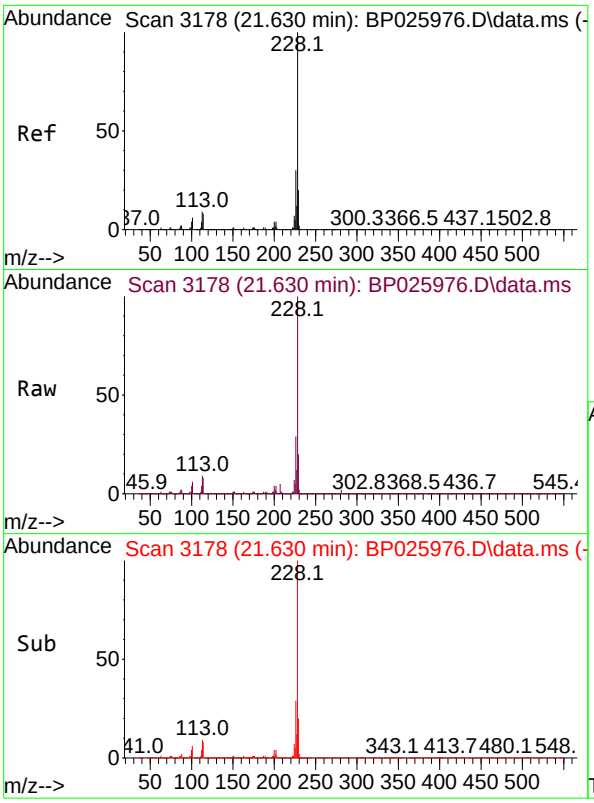


#82
3,3'-Dichlorobenzidine
Concen: 45.516 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:252 Resp: 749495

Ion	Ratio	Lower	Upper
252	100		
254	63.2	50.6	75.8
126	10.0	8.0	12.0





#83
Chrysene
Concen: 44.276 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:228 Resp: 195889

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.5	35.3
229	19.5	15.6	23.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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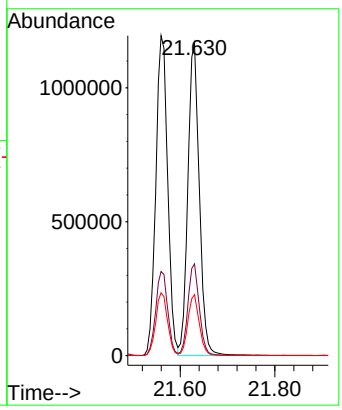
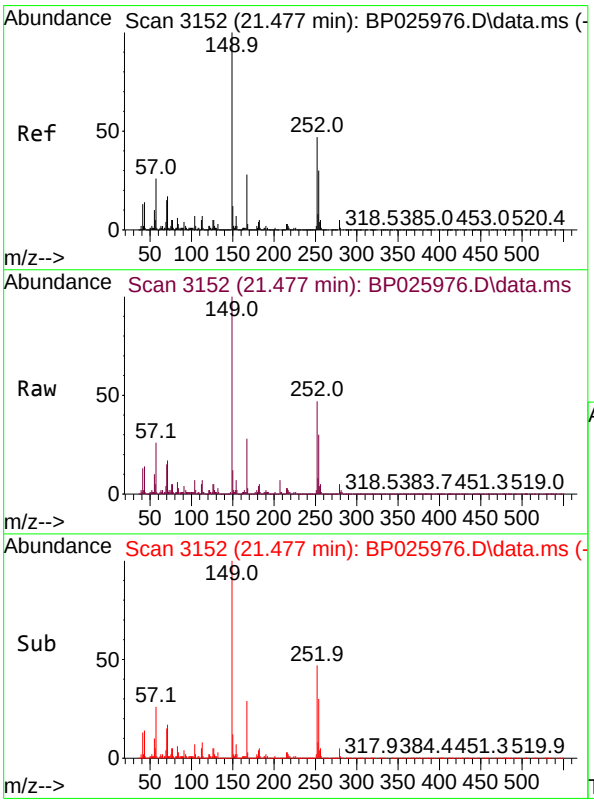
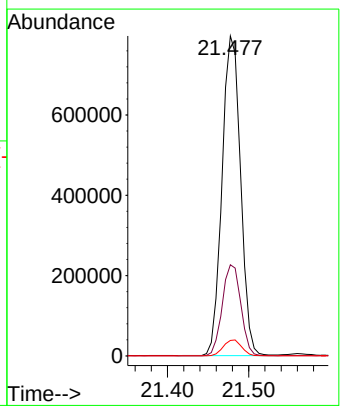


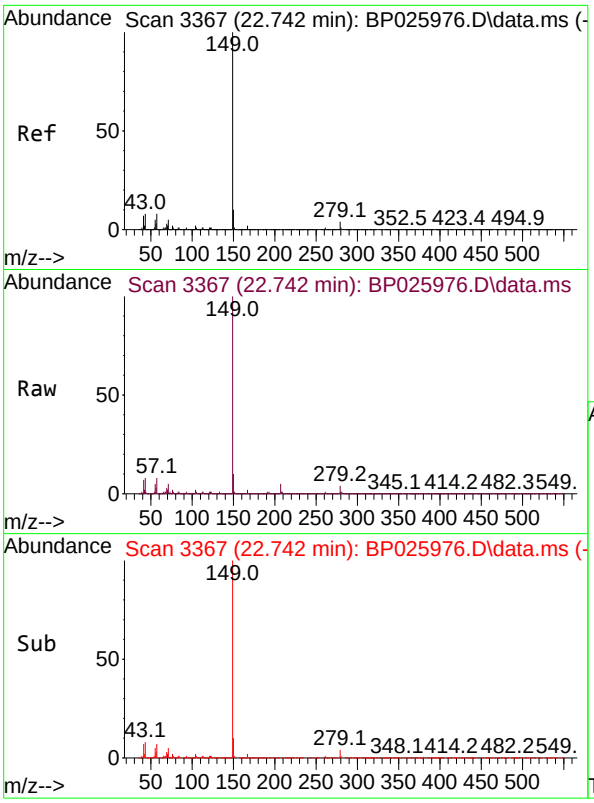


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.972 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:149 Resp: 1260239

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.8	34.2
279	4.8	3.8	5.8





#85
Di-n-octyl phthalate
Concen: 48.001 ng
RT: 22.742 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:149 Resp: 224680

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.0	7.2	10.8

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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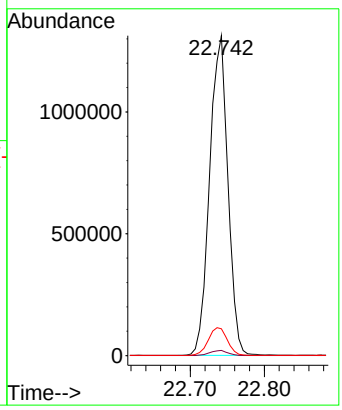
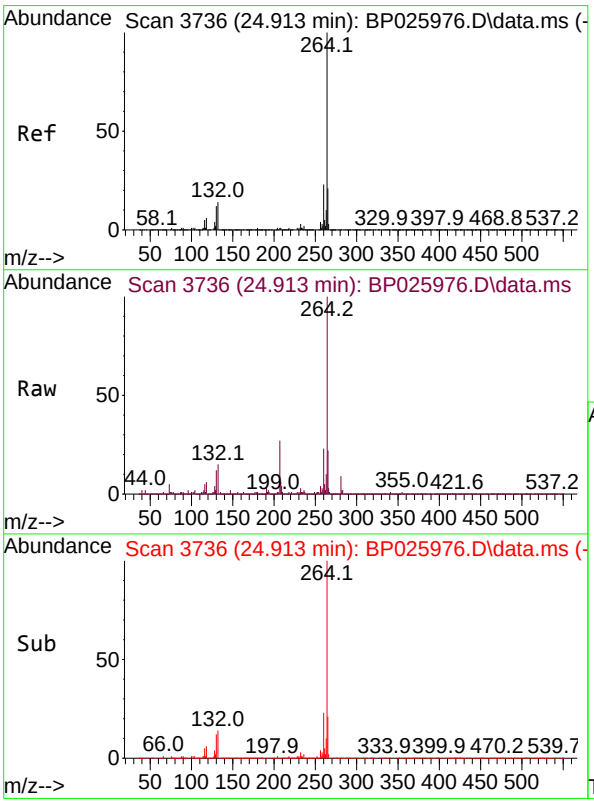
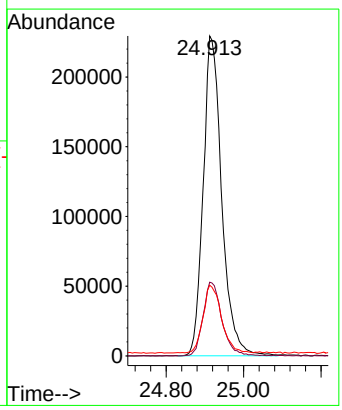


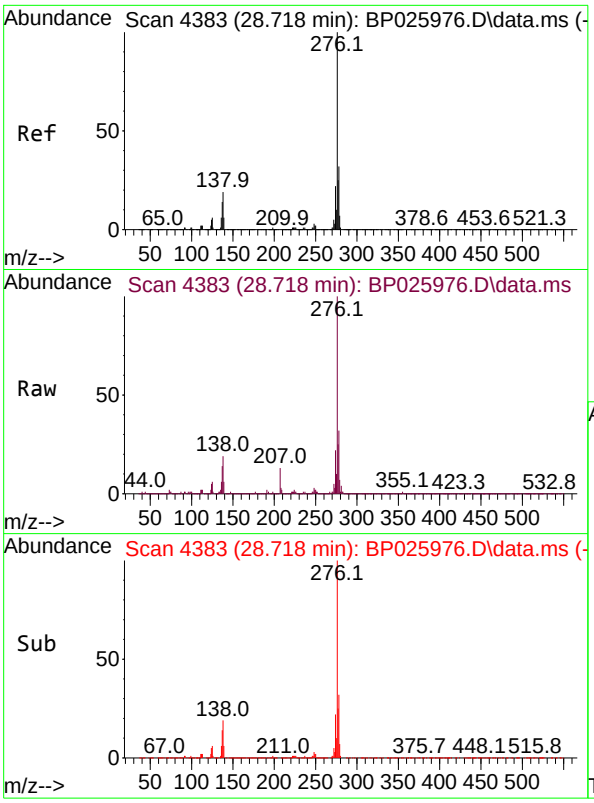


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.913 min Scan# 3736
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:264 Resp: 760985

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	22.1	17.7	26.5

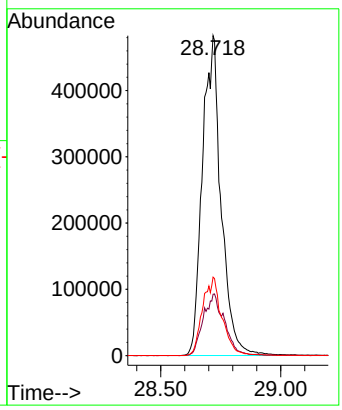




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.612 ng
RT: 28.718 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:276 Resp: 261462

Ion	Ratio	Lower	Upper
276	100		
138	21.7	17.4	26.0
277	25.4	20.3	30.5



Instrument :
BNA_P
ClientSampleId :
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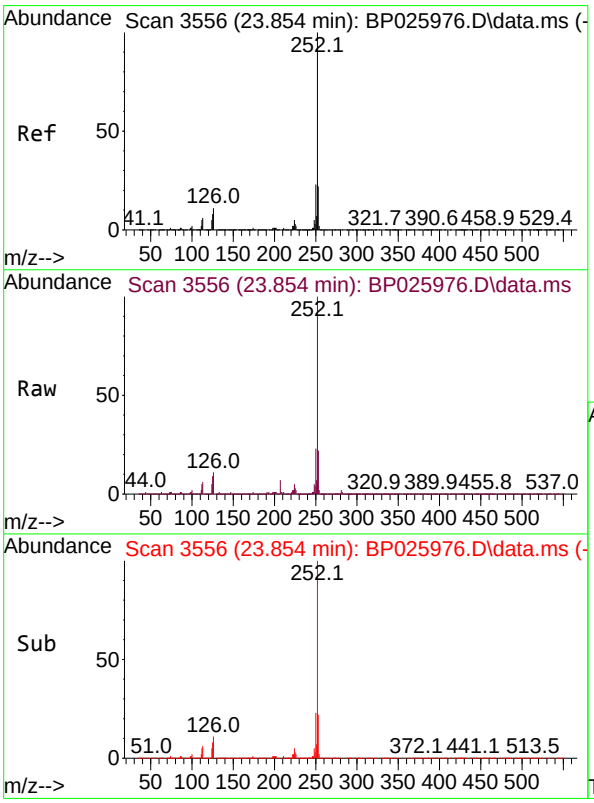
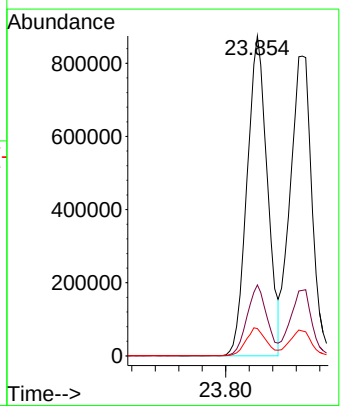
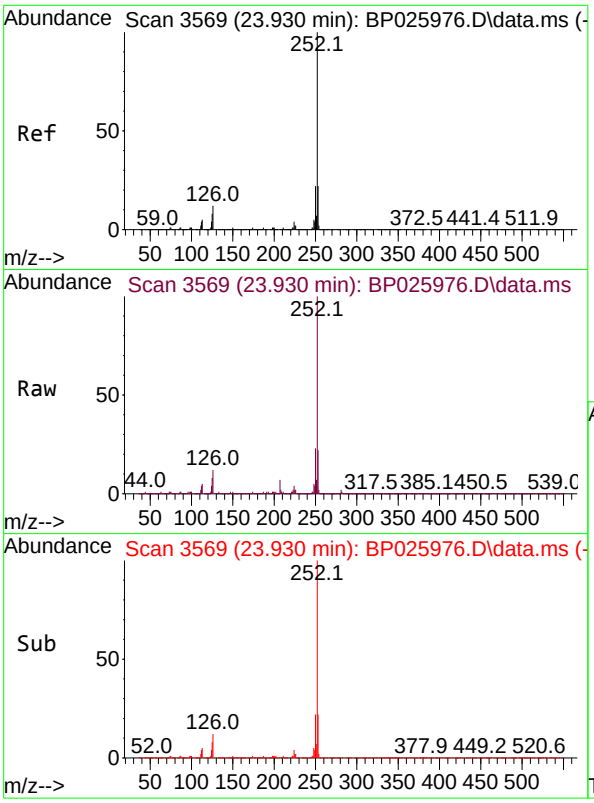


#88
Benzo(b)fluoranthene
Concen: 44.216 ng
RT: 23.854 min Scan# 3556
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:252 Resp: 2095559

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	8.5	6.8	10.2

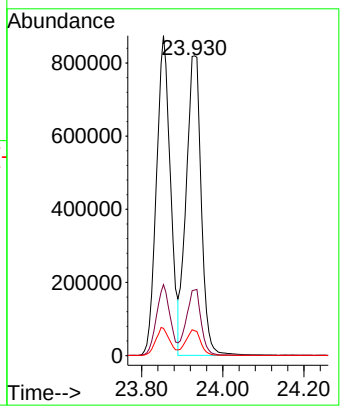




#89
Benzo(k)fluoranthene
Concen: 44.111 ng
RT: 23.930 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:252 Resp: 212168

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.3	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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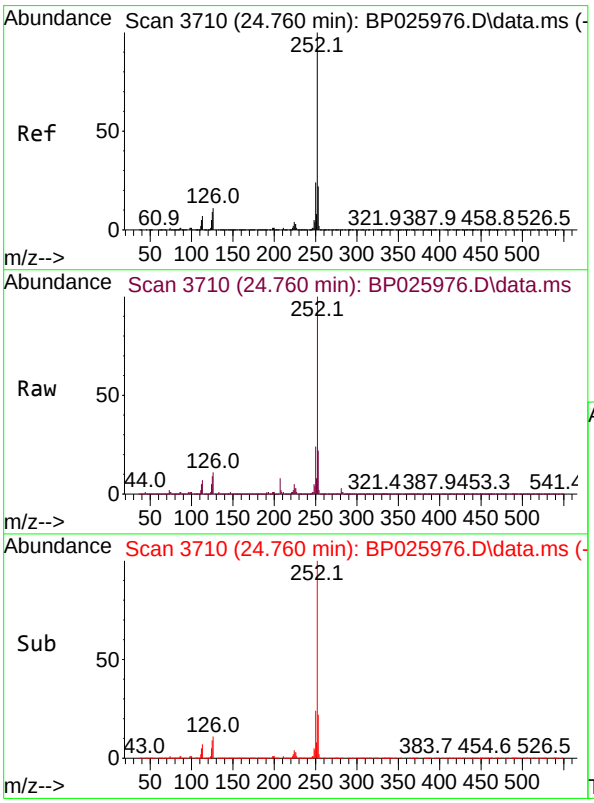
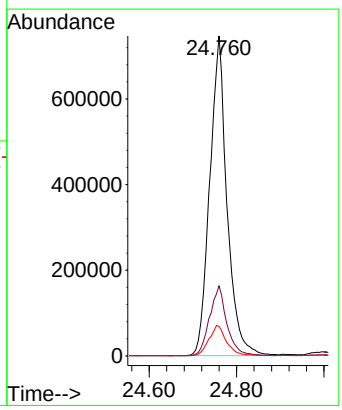
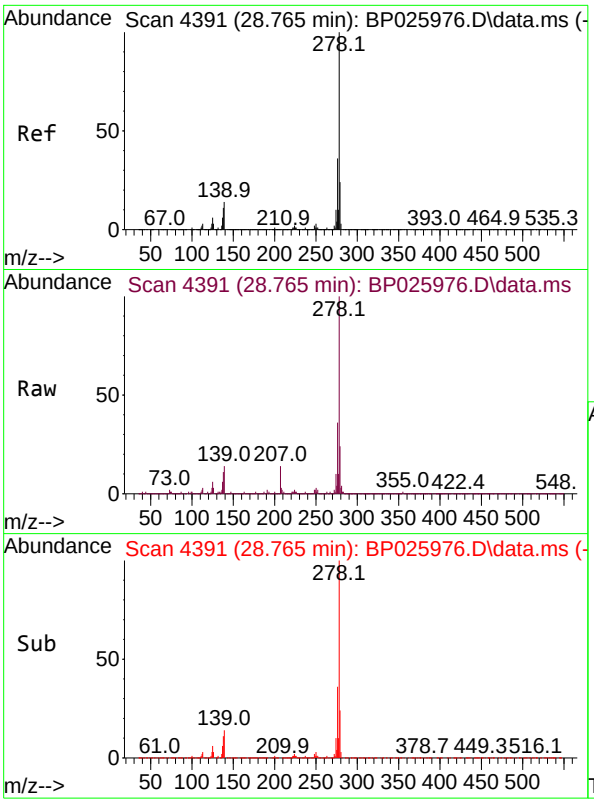


#90
Benzo(a)pyrene
Concen: 44.461 ng
RT: 24.760 min Scan# 3710
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:252 Resp: 2047404

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.3	7.4	11.2

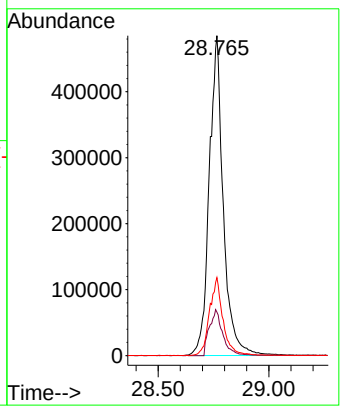




#91
Dibenzo(a,h)anthracene
Concen: 45.880 ng
RT: 28.765 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:278 Resp: 214395

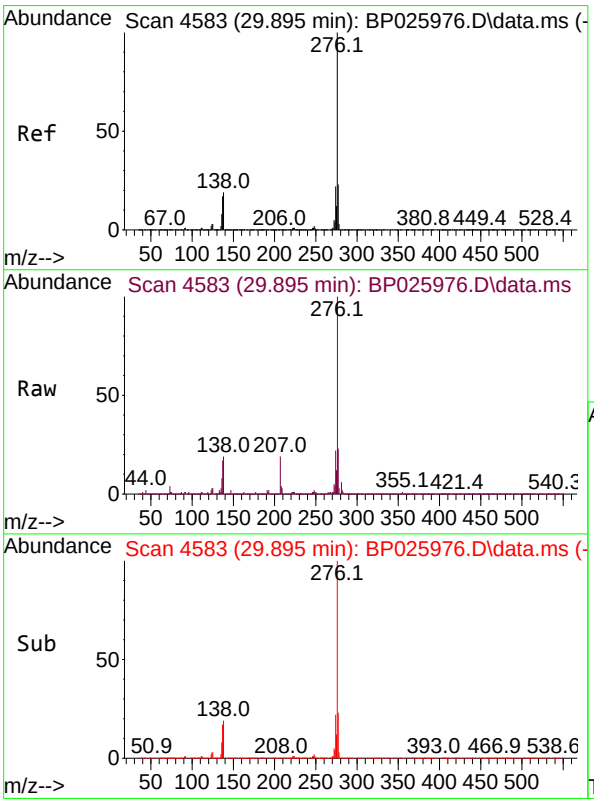
Ion	Ratio	Lower	Upper
278	100		
139	13.6	10.9	16.3
279	24.4	19.5	29.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

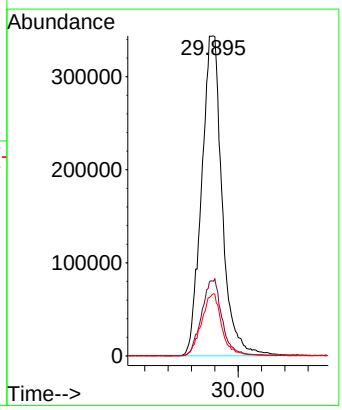
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#92
Benzo(g,h,i)perylene
Concen: 45.831 ng
RT: 29.895 min Scan# 4583
Delta R.T. 0.000 min
Lab File: BP025976.D
Acq: 15 Oct 2025 14:29

Tgt Ion:276 Resp: 2098399

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	19.4	15.5	23.3



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025977.D
Acq On : 15 Oct 2025 15:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Oct 15 23:10:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.702	152	186329	20.000	ng		0.00
21) Naphthalene-d8	10.466	136	819978	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	568434	20.000	ng		0.00
64) Phenanthrene-d10	17.130	188	1120583	20.000	ng		0.01
76) Chrysene-d12	21.583	240	871452	20.000	ng		0.00
86) Perylene-d12	24.918	264	881011	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.337	112	1175732	103.454	ng		0.00
7) Phenol-d6	6.907	99	1670913	105.354	ng		0.00
23) Nitrobenzene-d5	8.854	82	1865238	102.245	ng		0.00
42) 2,4,6-Tribromophenol	15.842	330	810658	105.934	ng		0.00
45) 2-Fluorobiphenyl	12.931	172	4326346	97.552	ng		0.00
79) Terphenyl-d14	19.860	244	5766146	105.747	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.249	88	212806	47.272	ng		100
3) Pyridine	3.655	79	644283	51.288	ng		99
4) n-Nitrosodimethylamine	3.566	42	278640	50.613	ng		95
6) Aniline	7.043	93	1107503	52.160	ng		99
8) 2-Chlorophenol	7.284	128	672655	51.072	ng		99
9) Benzaldehyde	6.866	77	420095	49.637	ng		98
10) Phenol	6.937	94	863337	53.915	ng		98
11) bis(2-Chloroethyl)ether	7.137	93	678606	51.974	ng		99
12) 1,3-Dichlorobenzene	7.590	146	720176	49.320	ng		99
13) 1,4-Dichlorobenzene	7.737	146	745715	50.124	ng		99
14) 1,2-Dichlorobenzene	8.049	146	724905	49.808	ng		99
15) Benzyl Alcohol	7.954	79	701004	51.929	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.219	45	1012910	50.378	ng		99
17) 2-Methylphenol	8.160	107	606199	52.816	ng		98
18) Hexachloroethane	8.760	117	282252	49.716	ng		98
19) n-Nitroso-di-n-propyla...	8.502	70	595752	52.693	ng		99
20) 3+4-Methylphenols	8.490	107	828085	51.780	ng		98
22) Acetophenone	8.519	105	1141895	51.224	ng	#	99
24) Nitrobenzene	8.890	77	836393	51.556	ng		99
25) Isophorone	9.419	82	1700640	51.905	ng		99
26) 2-Nitrophenol	9.596	139	425917	54.212	ng		99
27) 2,4-Dimethylphenol	9.660	122	706832	53.092	ng		100
28) bis(2-Chloroethoxy)met...	9.878	93	987926	51.544	ng		98
29) 2,4-Dichlorophenol	10.143	162	712604	53.718	ng		99
30) 1,2,4-Trichlorobenzene	10.331	180	753981	50.204	ng		97
31) Naphthalene	10.513	128	2211213	49.990	ng		99
32) Benzoic acid	9.907	122	528134	54.638	ng		98
33) 4-Chloroaniline	10.637	127	1007089	53.613	ng		99
34) Hexachlorobutadiene	10.790	225	495305	49.834	ng		100
35) Caprolactam	11.466	113	250176	52.995	ng		93
36) 4-Chloro-3-methylphenol	11.790	107	830250	53.309	ng		98
37) 2-Methylnaphthalene	12.131	142	1484406	51.256	ng		99
38) 1-Methylnaphthalene	12.342	142	1560089	51.071	ng		99
40) 1,2,4,5-Tetrachloroben...	12.501	216	920188	49.713	ng		100
41) Hexachlorocyclopentadiene	12.472	237	518870	49.742	ng		99
43) 2,4,6-Trichlorophenol	12.760	196	619337	52.715	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025977.D
Acq On : 15 Oct 2025 15:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Oct 15 23:10:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.854	196	677706	52.972	ng	99
46) 1,1'-Biphenyl	13.148	154	2128243	49.565	ng	99
47) 2-Chloronaphthalene	13.190	162	1660573	49.461	ng	99
48) 2-Nitroaniline	13.407	65	559919	53.510	ng	99
49) Acenaphthylene	14.042	152	2726202	50.220	ng	100
50) Dimethylphthalate	13.789	163	2179372	50.724	ng	100
51) 2,6-Dinitrotoluene	13.907	165	483348	52.103	ng	97
52) Acenaphthene	14.384	154	1562286	49.838	ng	99
53) 3-Nitroaniline	14.248	138	501369	54.914	ng	99
54) 2,4-Dinitrophenol	14.478	184	307180	50.852	ng	94
55) Dibenzofuran	14.725	168	2486656	49.540	ng	99
56) 4-Nitrophenol	14.613	139	307602	54.895	ng	98
57) 2,4-Dinitrotoluene	14.713	165	659262	52.448	ng	97
58) Fluorene	15.389	166	2027253	50.263	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.972	232	598433	52.129	ng	99
60) Diethylphthalate	15.166	149	2143315	50.594	ng	100
61) 4-Chlorophenyl-phenyle...	15.378	204	1050986	49.553	ng	99
62) 4-Nitroaniline	15.436	138	455097	54.090	ng	98
63) Azobenzene	15.678	77	2003584	50.742	ng	99
65) 4,6-Dinitro-2-methylph...	15.501	198	430829	53.195	ng	98
66) n-Nitrosodiphenylamine	15.607	169	1792152	49.709	ng	99
67) 4-Bromophenyl-phenylether	16.295	248	700046	50.614	ng	98
68) Hexachlorobenzene	16.419	284	765608	49.342	ng	99
69) Atrazine	16.589	200	664701	51.106	ng	98
70) Pentachlorophenol	16.789	266	441609	53.719	ng	97
71) Phenanthrene	17.178	178	3113716	49.026	ng	99
72) Anthracene	17.272	178	3219993	49.633	ng	100
73) Carbazole	17.560	167	2850608	49.845	ng	99
74) Di-n-butylphthalate	18.136	149	3506185	49.817	ng	100
75) Fluoranthene	19.266	202	3445596	48.096	ng	99
77) Benzidine	19.466	184	1523861	54.574	ng	99
78) Pyrene	19.648	202	3534159	54.986	ng	99
80) Butylbenzylphthalate	20.583	149	1304314	50.994	ng	99
81) Benzo(a)anthracene	21.560	228	2951319	49.517	ng	99
82) 3,3'-Dichlorobenzidine	21.477	252	1042746	49.162	ng	99
83) Chrysene	21.630	228	2792071	48.993	ng	100
84) Bis(2-ethylhexyl)phtha...	21.477	149	1666377	47.192	ng	99
85) Di-n-octyl phthalate	22.736	149	2851700	47.297	ng	100
87) Indeno(1,2,3-cd)pyrene	28.724	276	3455324	52.065	ng	100
88) Benzo(b)fluoranthene	23.848	252	2724501	49.655	ng	100
89) Benzo(k)fluoranthene	23.918	252	2754833	49.471	ng	100
90) Benzo(a)pyrene	24.748	252	2672977	50.138	ng	99
91) Dibenzo(a,h)anthracene	28.777	278	2821593	52.155	ng	99
92) Benzo(g,h,i)perylene	29.871	276	2790868	52.651	ng	98

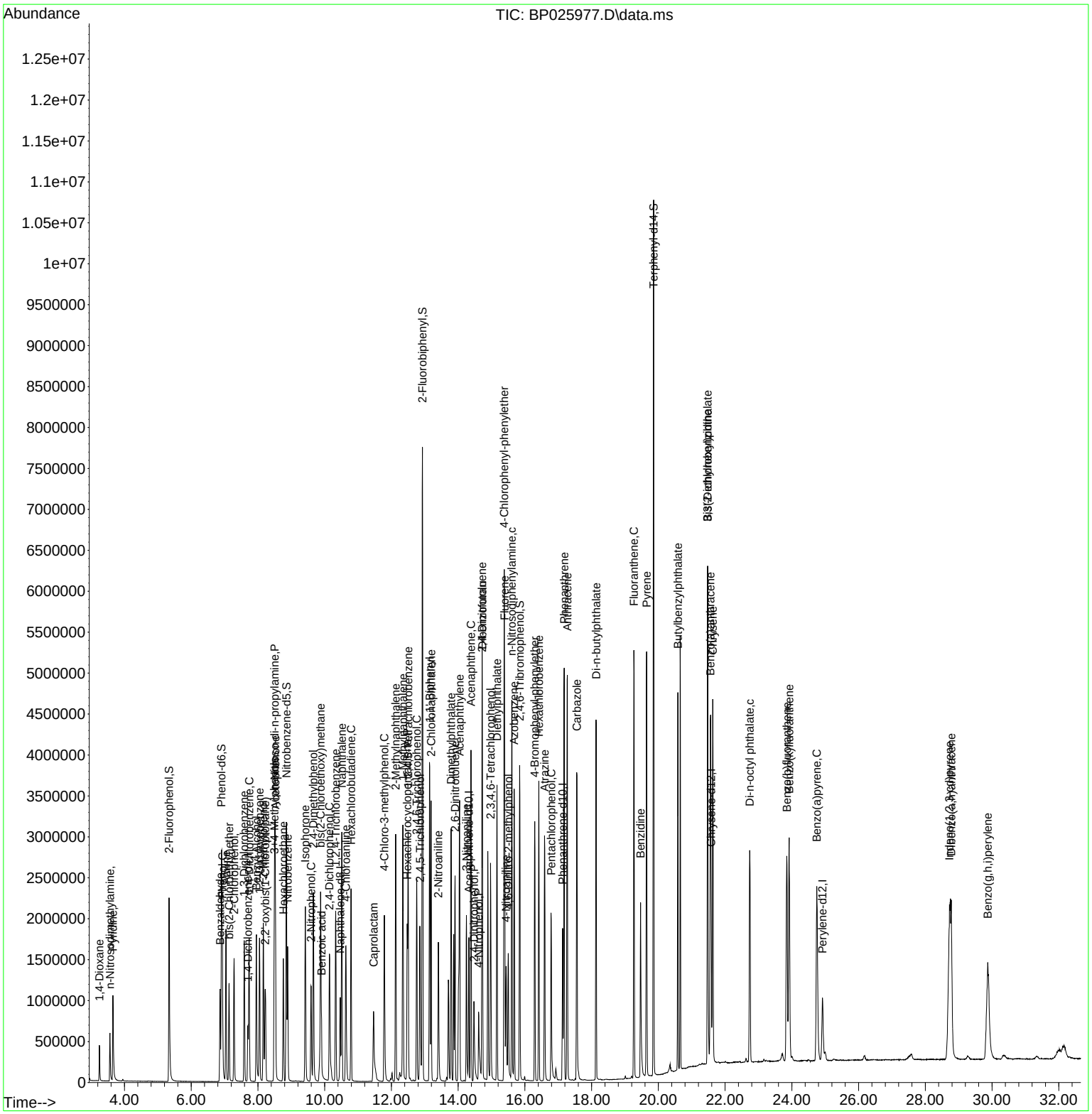
(#) = qualifier out of range (m) = manual integration (+) = signals summed

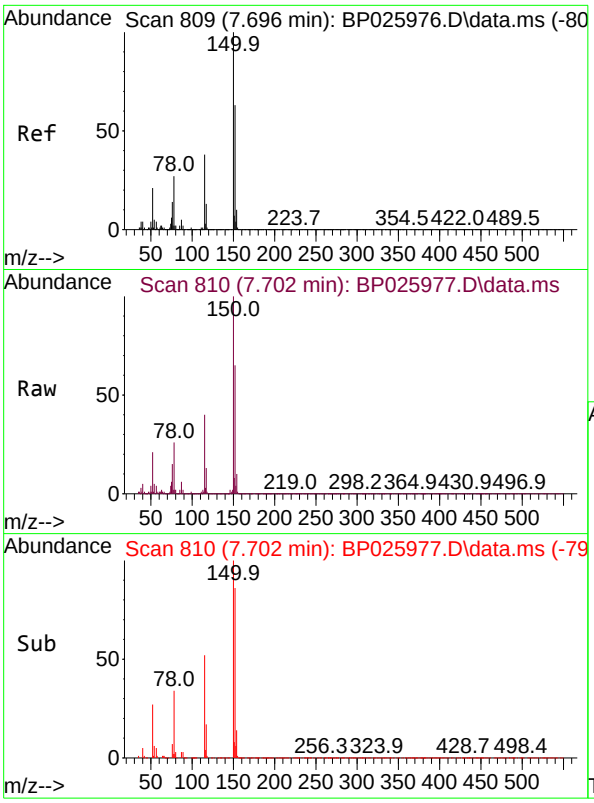
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025977.D
Acq On : 15 Oct 2025 15:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Oct 15 23:10:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration



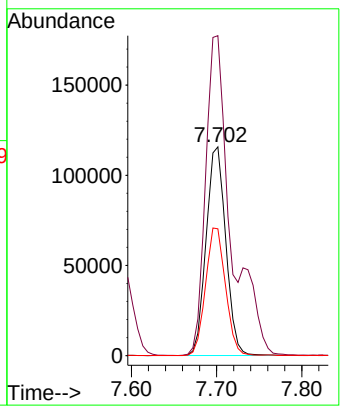


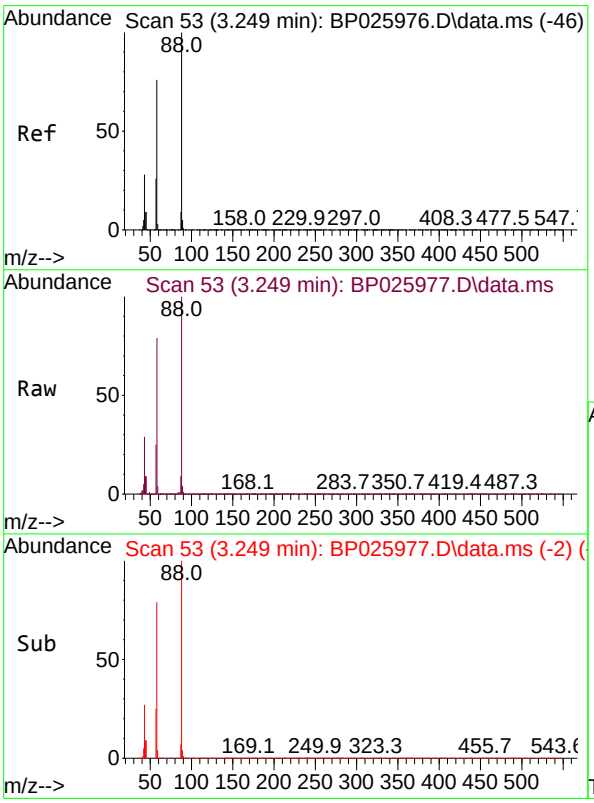
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.702 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 186329

Ion	Ratio	Lower	Upper
152	100		
150	153.3	127.3	190.9
115	60.8	48.7	73.1

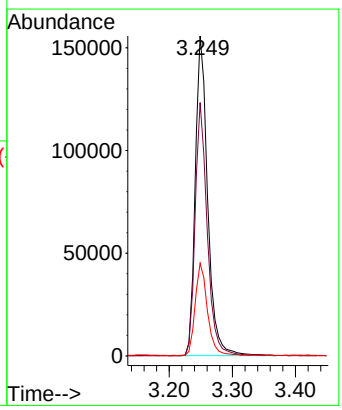


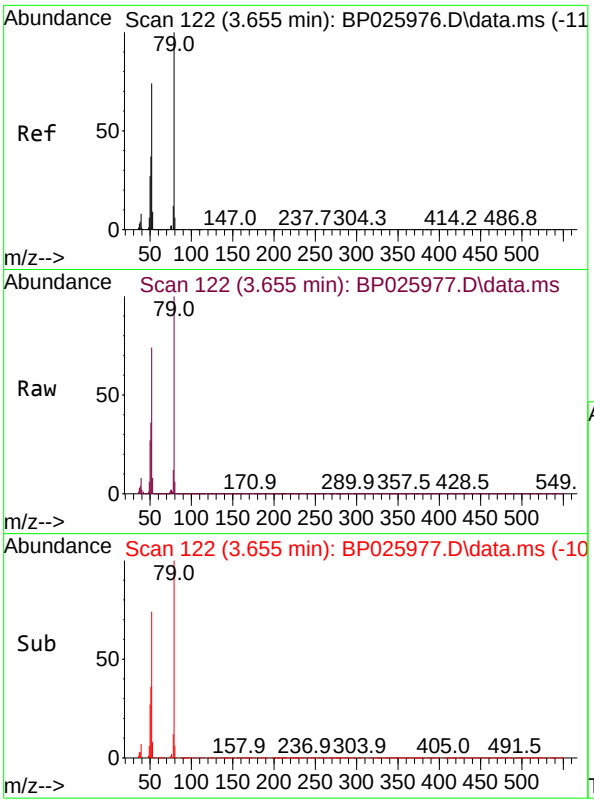


#2
1,4-Dioxane
Concen: 47.272 ng
RT: 3.249 min Scan# 53
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion: 88 Resp: 212806

Ion	Ratio	Lower	Upper
88	100		
58	77.5	61.9	92.9
43	28.8	22.6	33.8



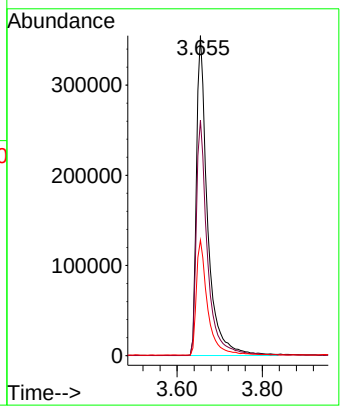


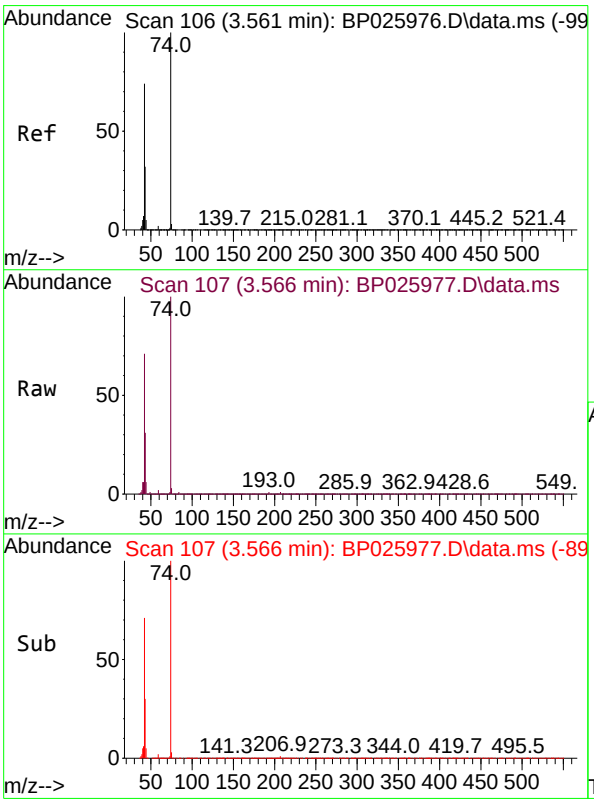
#3
Pyridine
Concen: 51.288 ng
RT: 3.655 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 644283

Ion	Ratio	Lower	Upper
79	100		
52	73.6	59.0	88.4
51	36.1	29.5	44.3

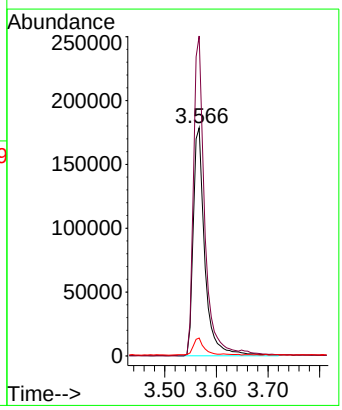


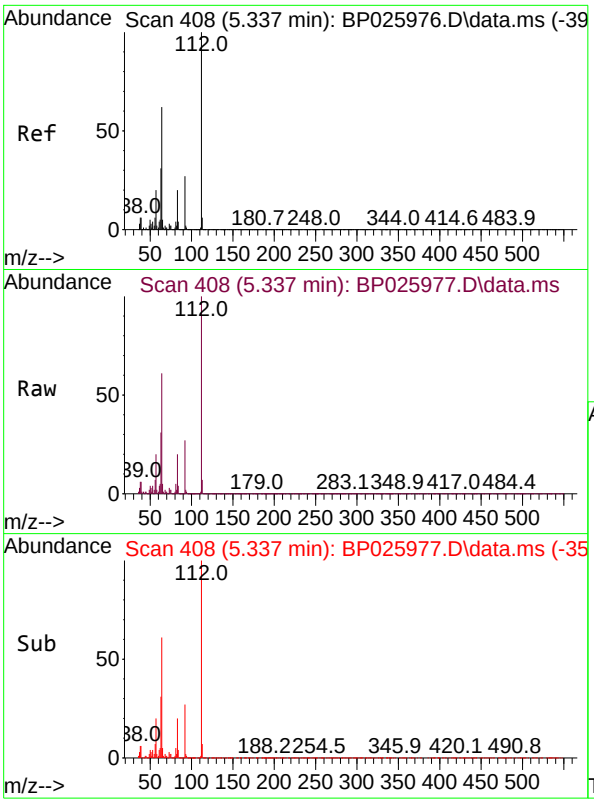


#4
n-Nitrosodimethylamine
Concen: 50.613 ng
RT: 3.566 min Scan# 107
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion: 42 Resp: 278640

Ion	Ratio	Lower	Upper
42	100		
74	140.3	107.4	161.0
44	7.8	6.0	9.0



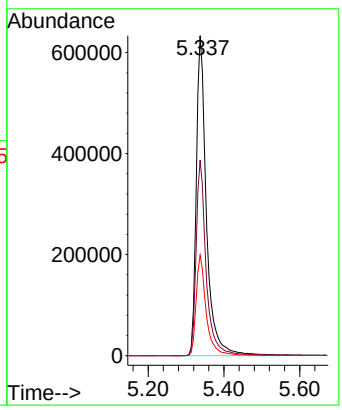


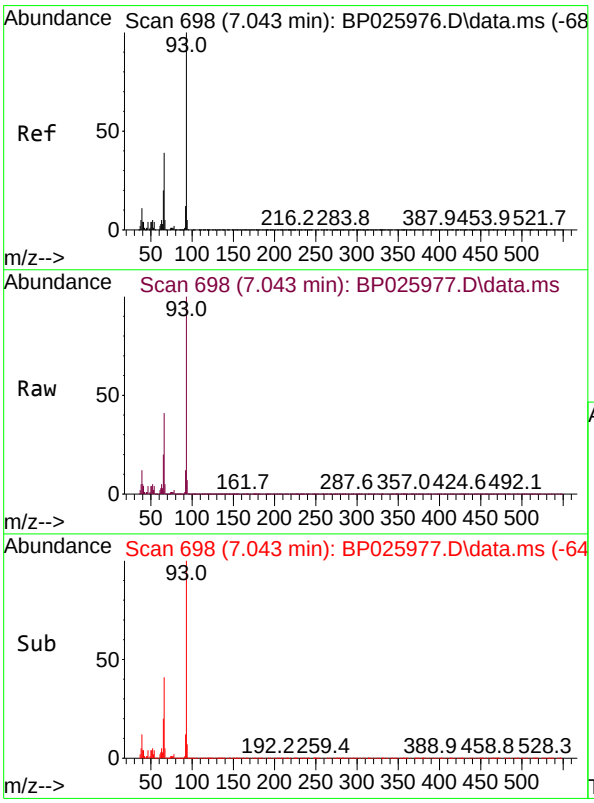
#5
2-Fluorophenol
Concen: 103.454 ng
RT: 5.337 min Scan# 40
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1175732

Ion	Ratio	Lower	Upper
112	100		
64	61.1	49.9	74.9
63	31.4	24.9	37.3

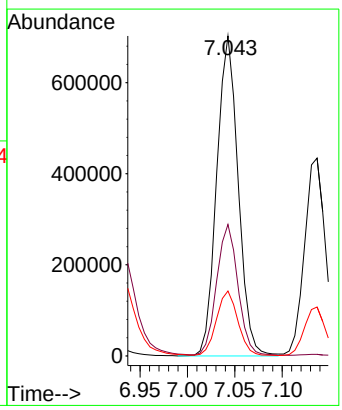


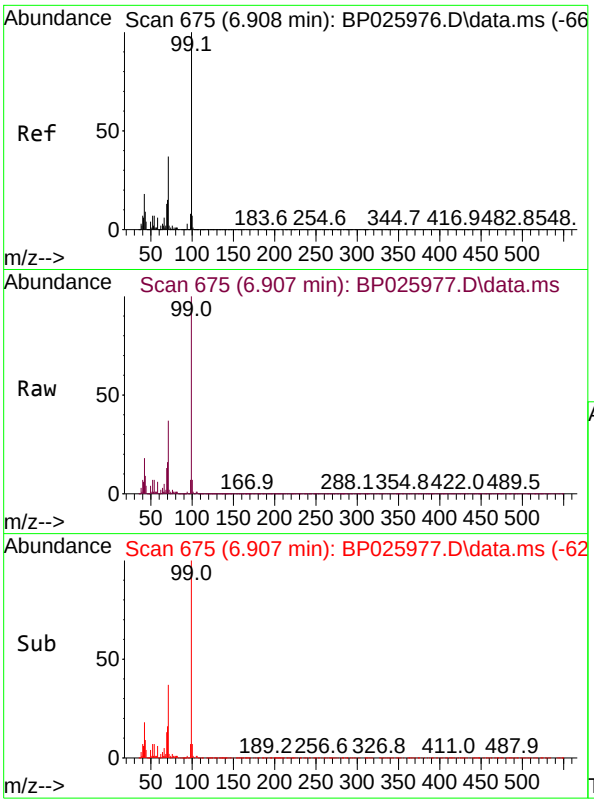


#6
Aniline
Concen: 52.160 ng
RT: 7.043 min Scan# 698
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion: 93 Resp: 1107503

Ion	Ratio	Lower	Upper
93	100		
66	41.1	31.8	47.8
65	20.3	16.3	24.5



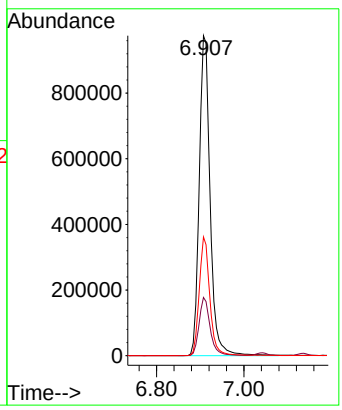


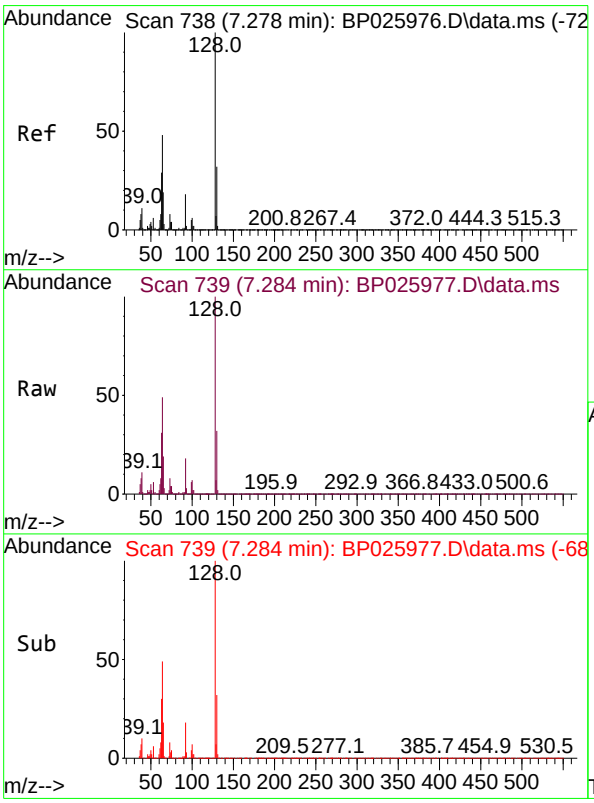
#7
Phenol-d6
Concen: 105.354 ng
RT: 6.907 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1670913

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.2	21.4
71	37.1	29.4	44.0

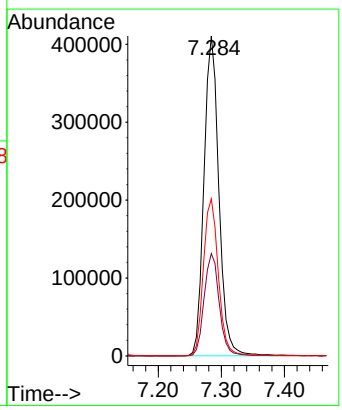


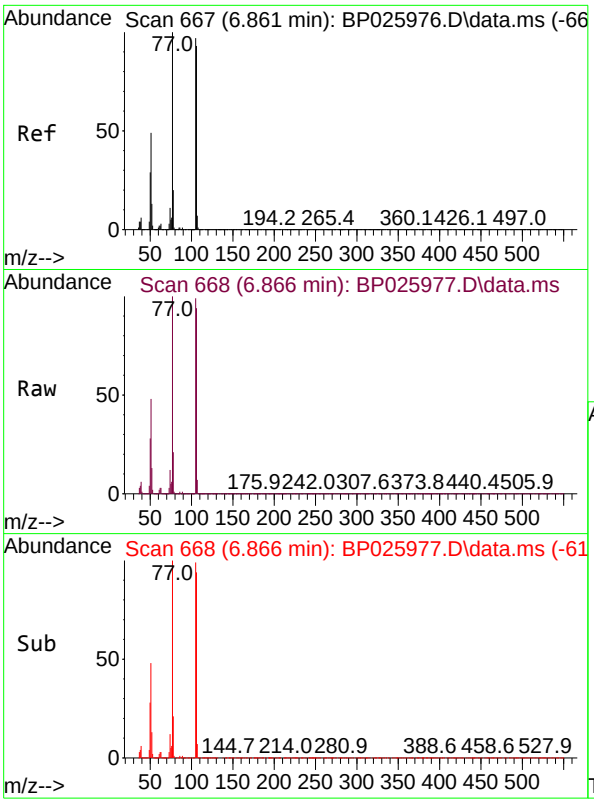


#8
2-Chlorophenol
Concen: 51.072 ng
RT: 7.284 min Scan# 739
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:128 Resp: 672655

Ion	Ratio	Lower	Upper
128	100		
130	32.0	11.8	51.8
64	49.1	28.0	68.0



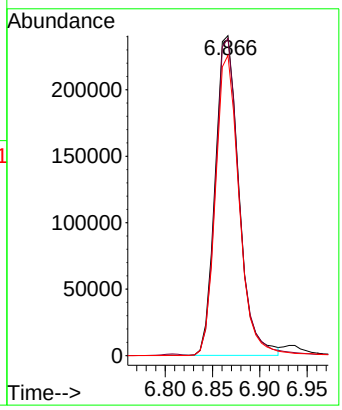


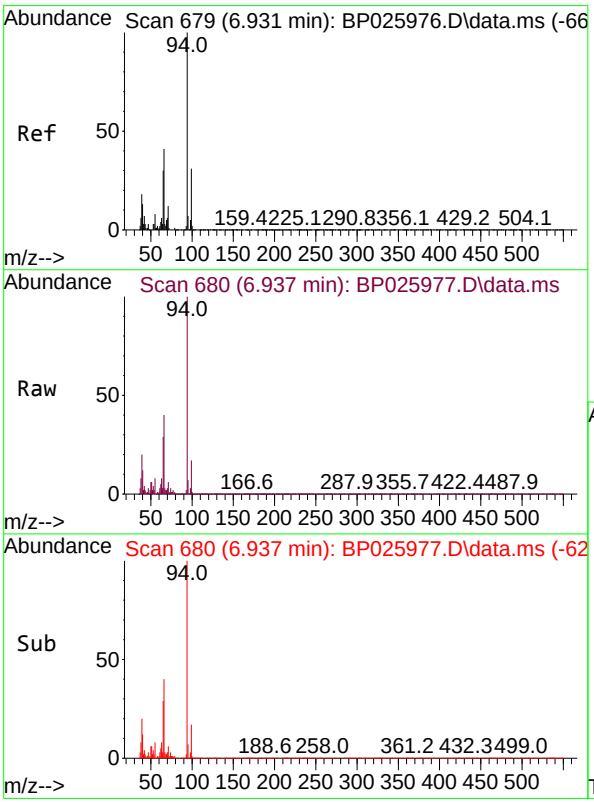
#9
Benzaldehyde
Concen: 49.637 ng
RT: 6.866 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 420095

Ion	Ratio	Lower	Upper
77	100		
105	99.1	76.6	116.6
106	93.8	73.2	113.2

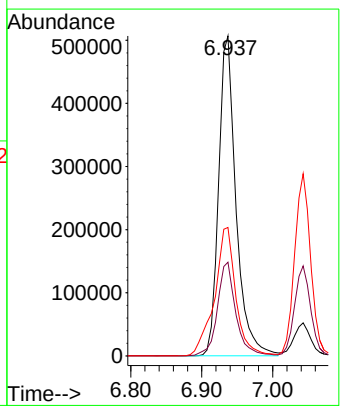


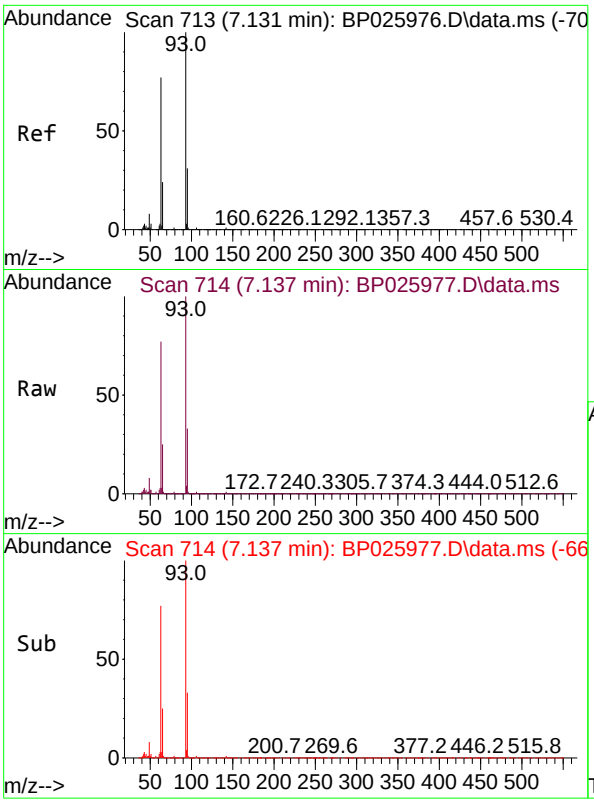


#10
Phenol
Concen: 53.915 ng
RT: 6.937 min Scan# 680
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion: 94 Resp: 863337

Ion	Ratio	Lower	Upper
94	100		
65	29.3	9.8	49.8
66	40.1	21.4	61.4



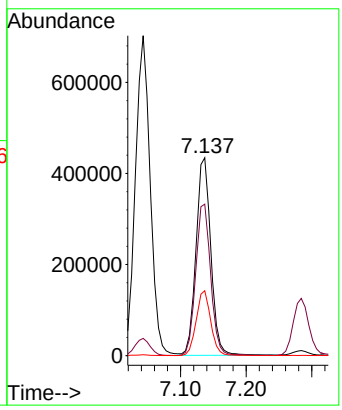


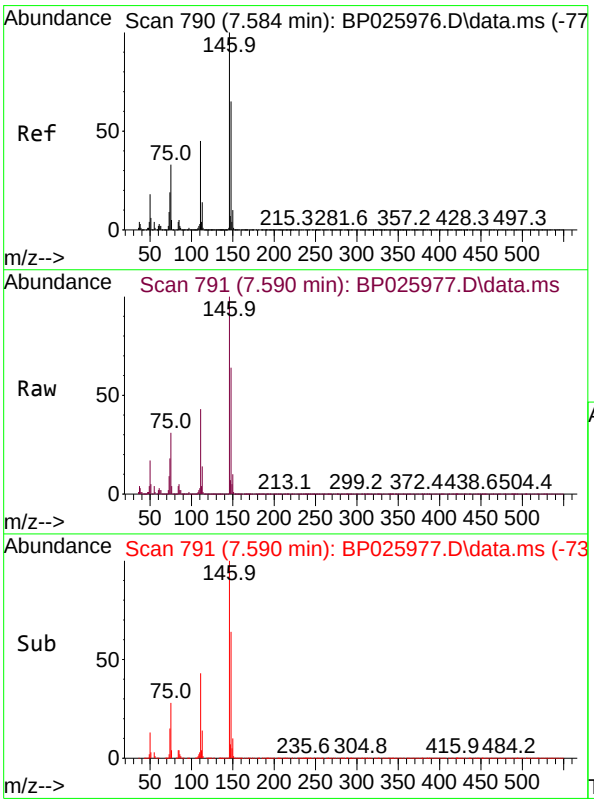
#11
bis(2-Chloroethyl)ether
Concen: 51.974 ng
RT: 7.137 min Scan# 71
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 678606

Ion	Ratio	Lower	Upper
93	100		
63	76.5	56.6	96.6
95	32.8	11.3	51.3

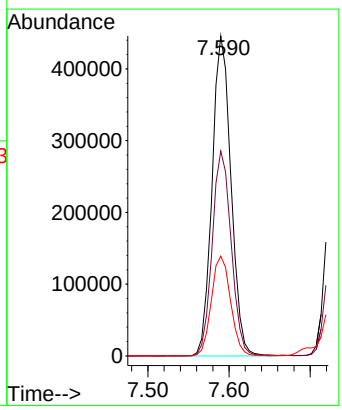


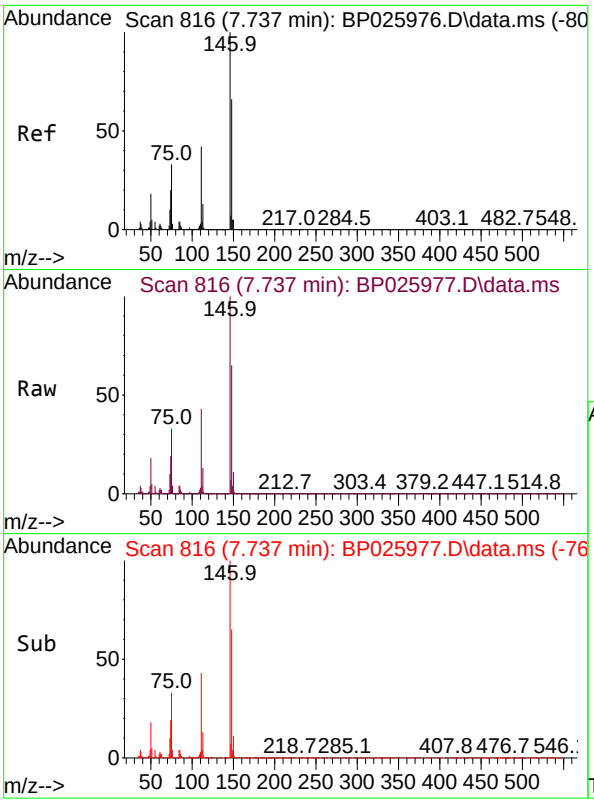


#12
1,3-Dichlorobenzene
Concen: 49.320 ng
RT: 7.590 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:146 Resp: 720176

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.7	77.5
75	31.2	26.1	39.1



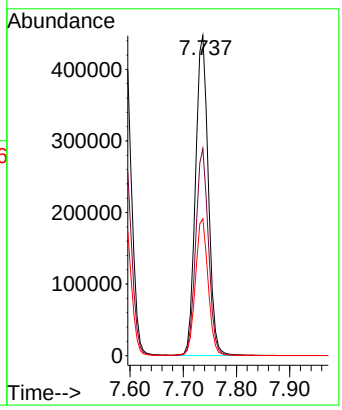


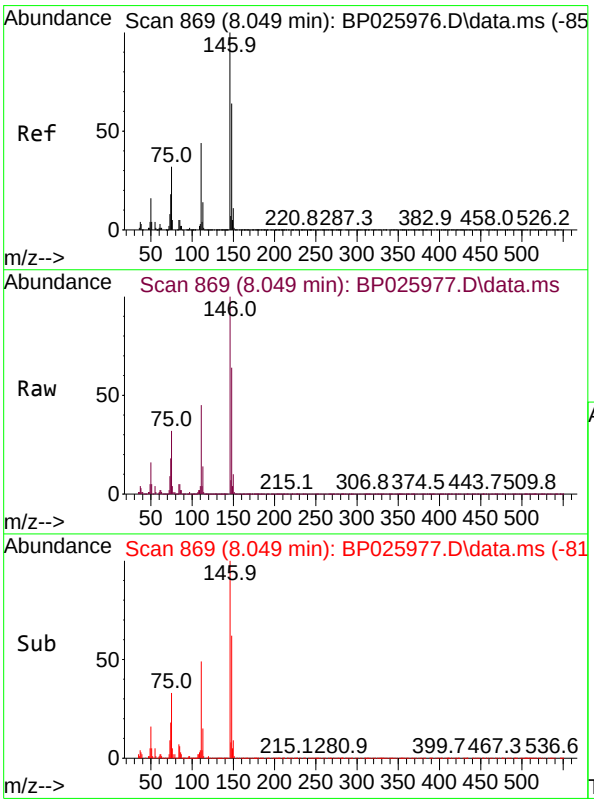
#13
1,4-Dichlorobenzene
Concen: 50.124 ng
RT: 7.737 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 745715

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.7	79.1
111	42.8	34.0	51.0

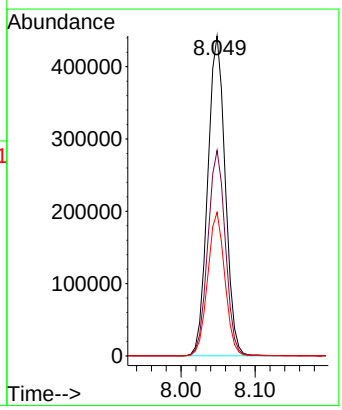


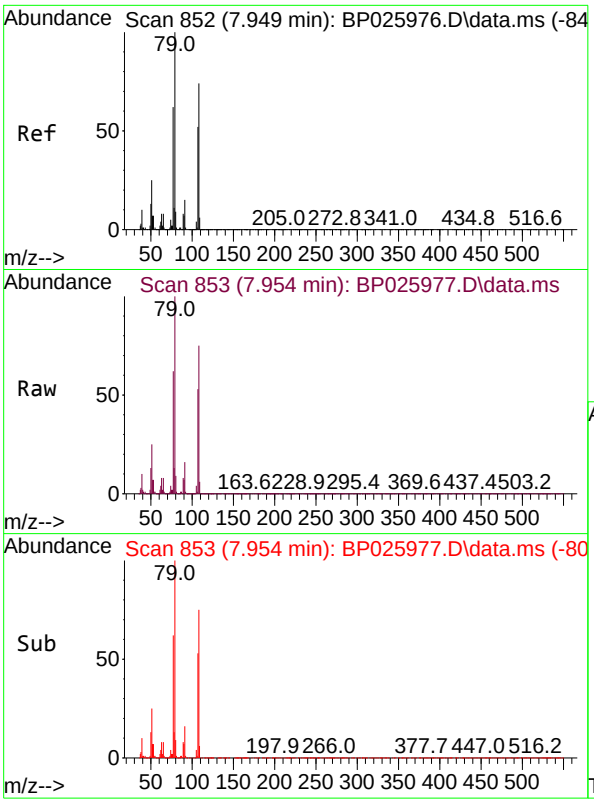


#14
1,2-Dichlorobenzene
Concen: 49.808 ng
RT: 8.049 min Scan# 869
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:146 Resp: 724905

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	44.9	35.3	52.9



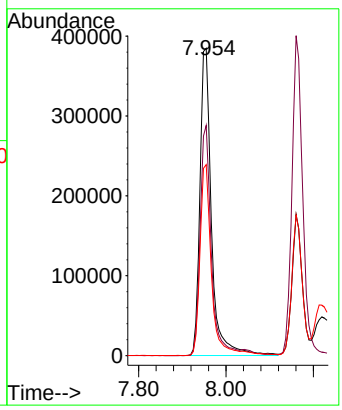


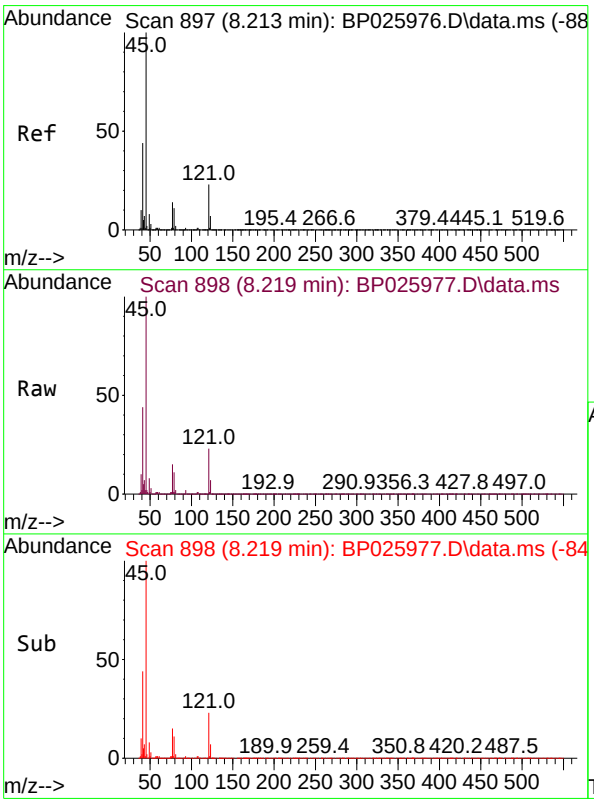
#15
Benzyl Alcohol
Concen: 51.929 ng
RT: 7.954 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 701004

Ion	Ratio	Lower	Upper
79	100		
108	74.9	59.2	88.8
77	62.2	49.3	73.9

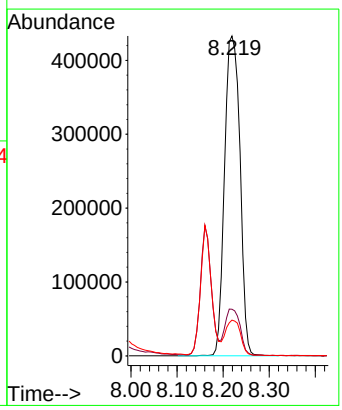


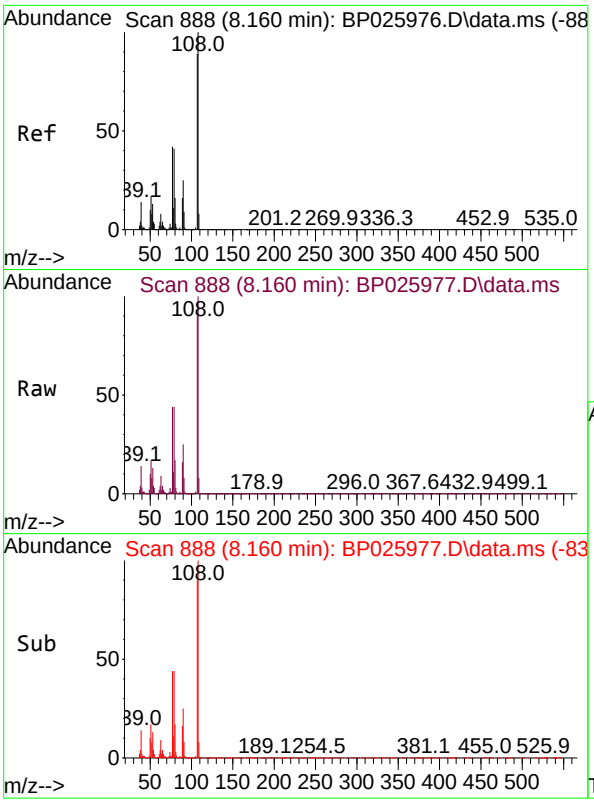


#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.378 ng
RT: 8.219 min Scan# 898
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion: 45 Resp: 1012910

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	34.3
79	11.2	0.0	31.5



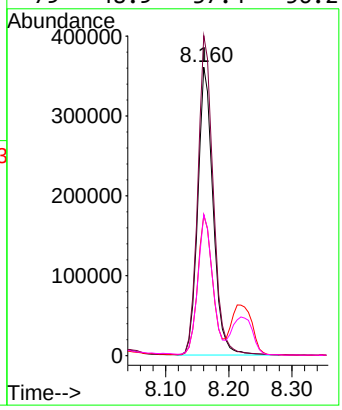


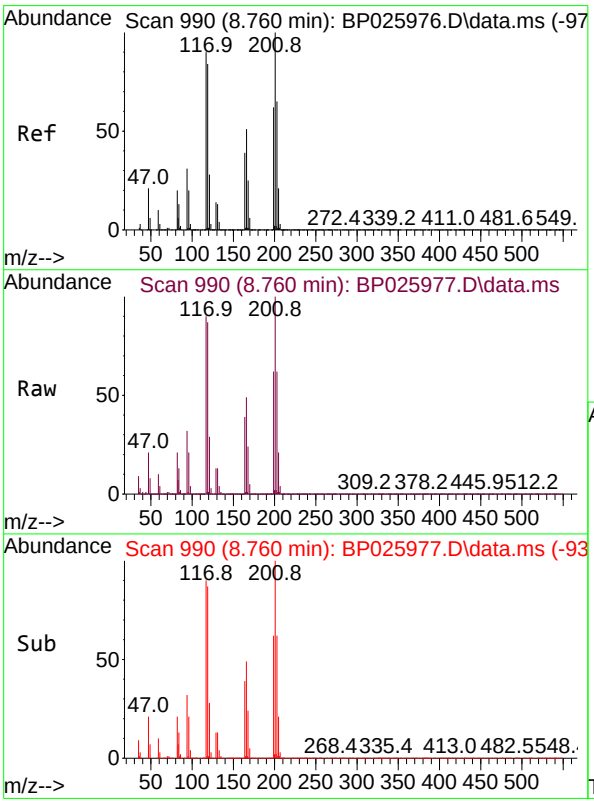
#17
2-Methylphenol
Concen: 52.816 ng
RT: 8.160 min Scan# 88
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 606199

Ion	Ratio	Lower	Upper
107	100		
108	110.9	89.5	134.3
77	48.7	38.1	57.1
79	48.9	37.4	56.2

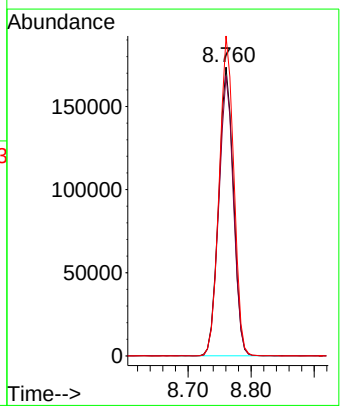


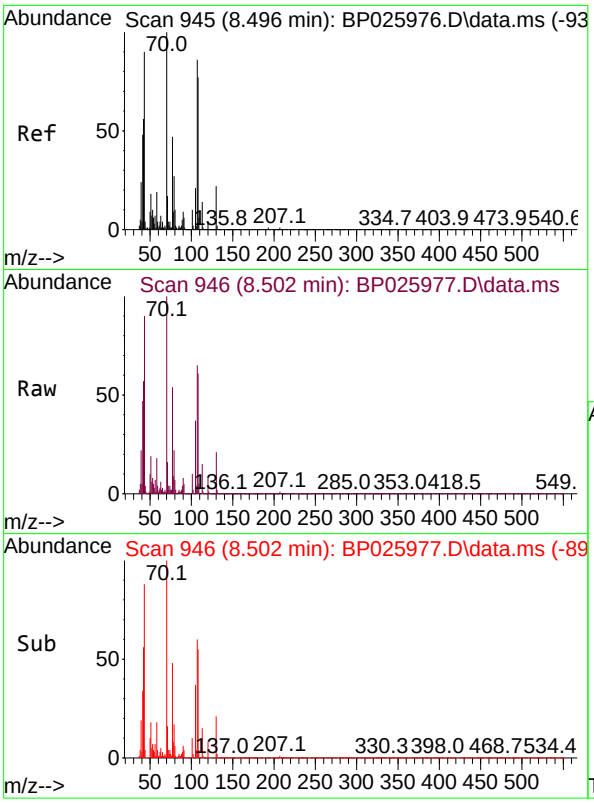


#18
Hexachloroethane
Concen: 49.716 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:117 Resp: 282252

Ion	Ratio	Lower	Upper
117	100		
119	96.9	74.6	112.0
201	110.8	88.6	133.0



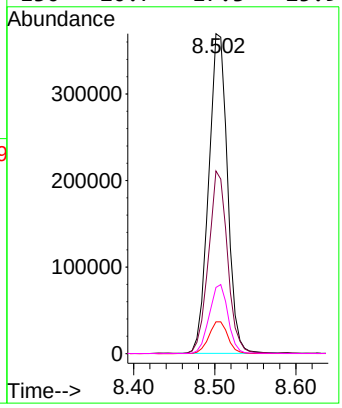


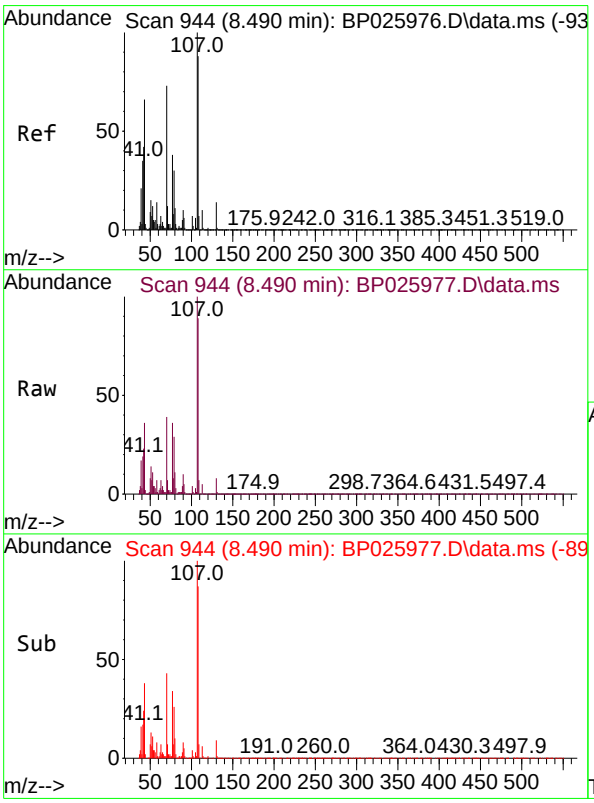
#19
n-Nitroso-di-n-propylamine
Concen: 52.693 ng
RT: 8.502 min Scan# 94
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 595752

Ion	Ratio	Lower	Upper
70	100		
42	57.1	45.2	67.8
101	9.9	7.9	11.9
130	20.7	17.3	25.9

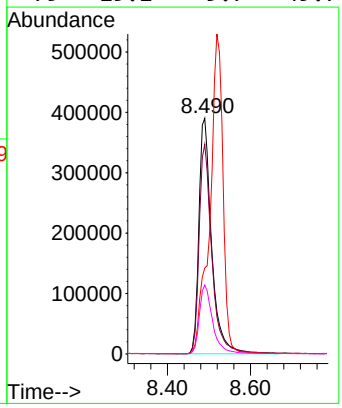


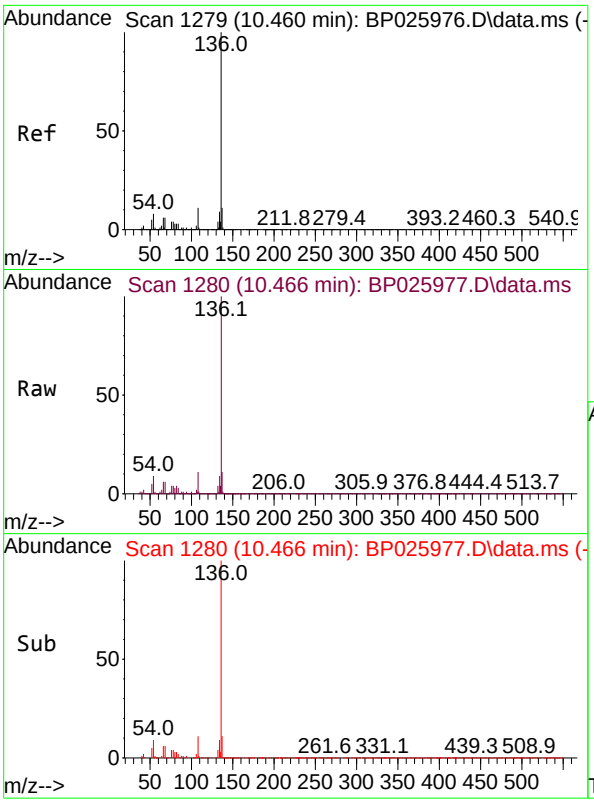


#20
3+4-Methylphenols
Concen: 51.780 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:107 Resp: 828085

Ion	Ratio	Lower	Upper
107	100		
108	88.9	67.8	107.8
77	36.4	18.5	58.5
79	29.2	9.7	49.7



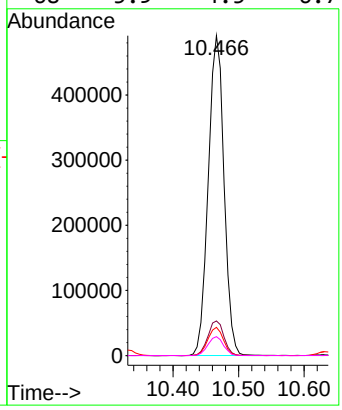


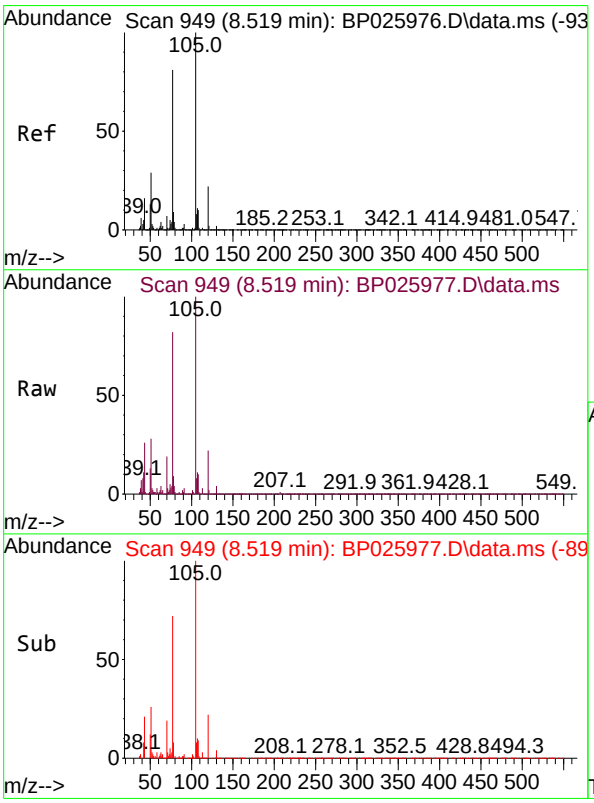
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.466 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 819978

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	8.8	6.8	10.2
68	5.9	4.5	6.7

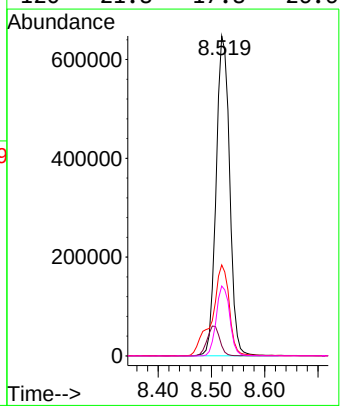


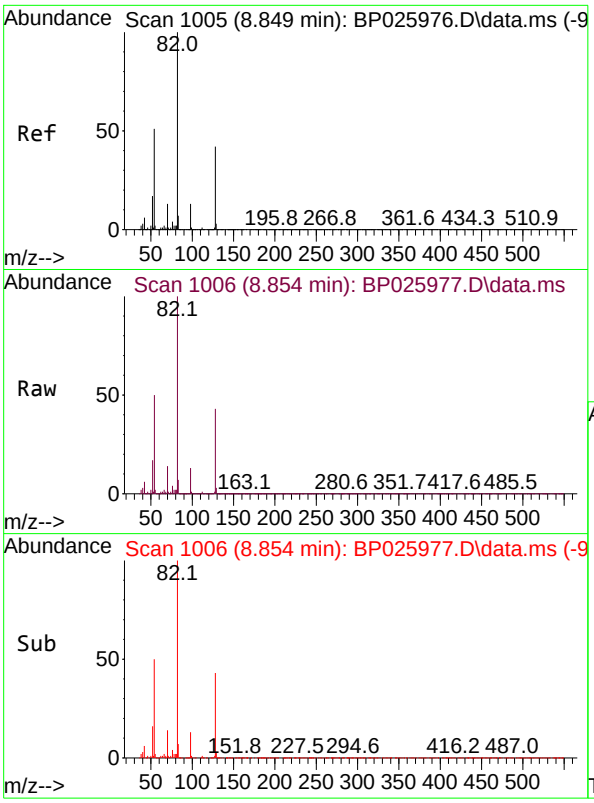


#22
Acetophenone
Concen: 51.224 ng
RT: 8.519 min Scan# 949
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:105 Resp: 1141895

Ion	Ratio	Lower	Upper
105	100		
71	3.2	0.9	1.3#
51	28.4	23.0	34.4
120	21.8	17.8	26.6



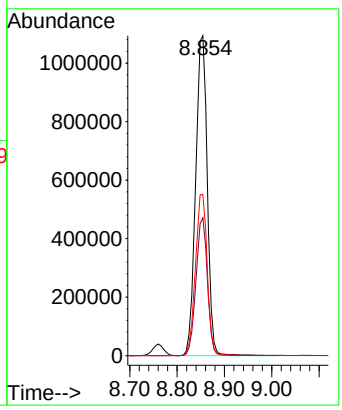


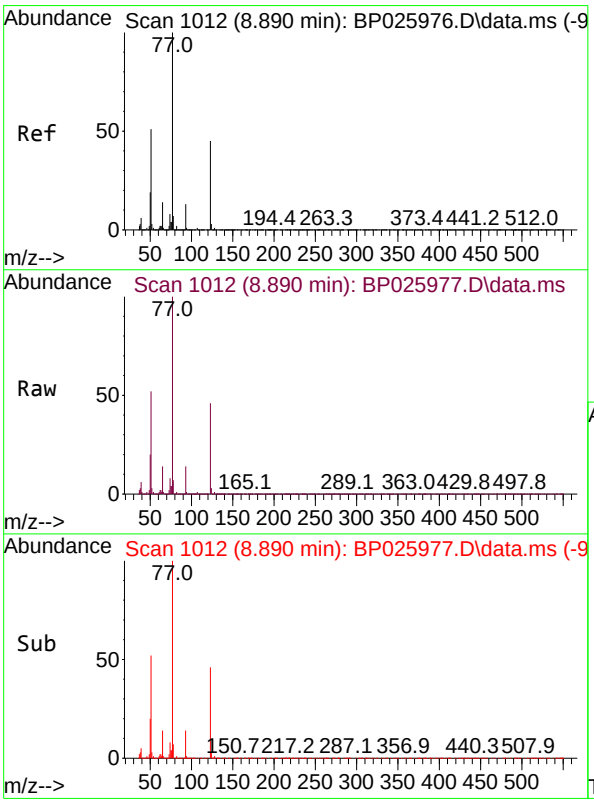
#23
Nitrobenzene-d5
Concen: 102.245 ng
RT: 8.854 min Scan# 10
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1865238

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.6	50.4
54	50.3	40.6	61.0

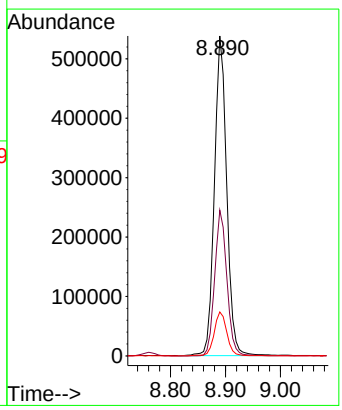


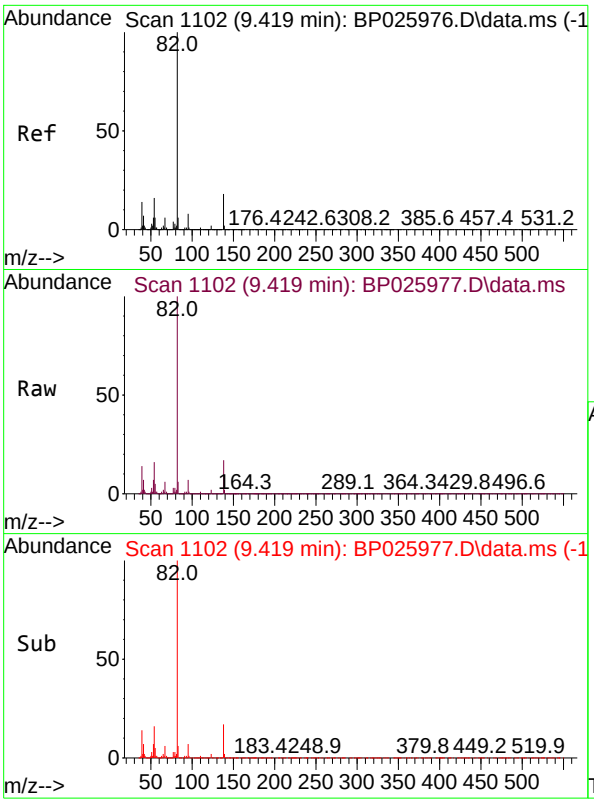


#24
Nitrobenzene
Concen: 51.556 ng
RT: 8.890 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion: 77 Resp: 836393

Ion	Ratio	Lower	Upper
77	100		
123	45.5	35.6	53.4
65	13.7	11.1	16.7



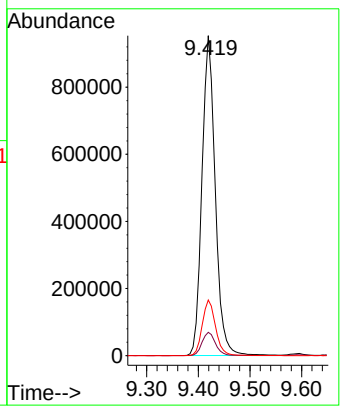


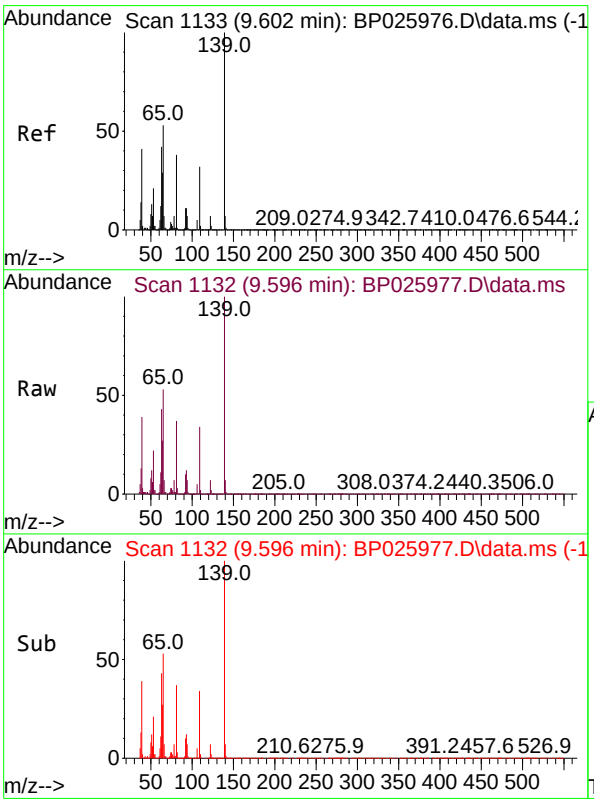
#25
Isophorone
Concen: 51.905 ng
RT: 9.419 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1700640

Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.1	9.1
138	17.4	14.2	21.2

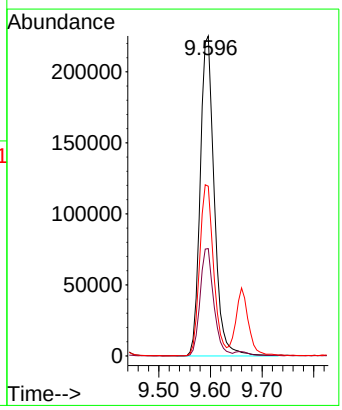


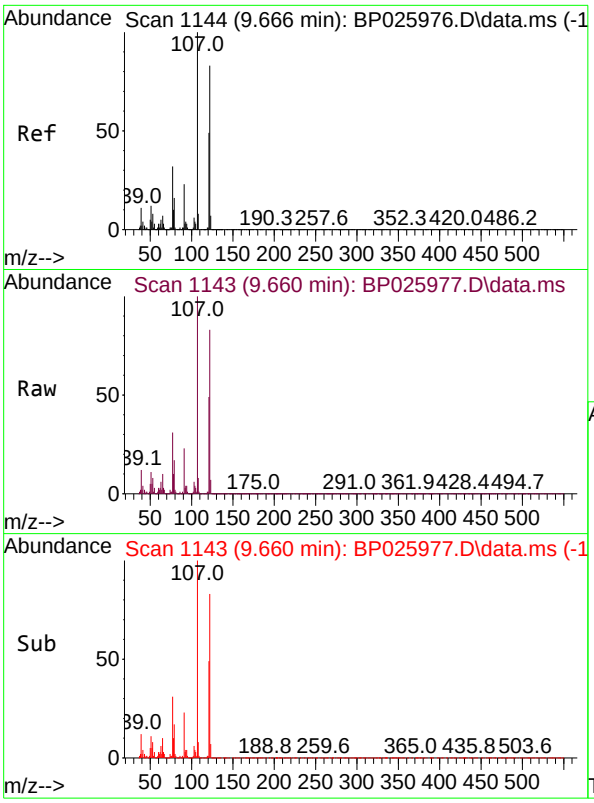


#26
2-Nitrophenol
Concen: 54.212 ng
RT: 9.596 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:139 Resp: 425917

Ion	Ratio	Lower	Upper
139	100		
109	33.5	25.9	38.9
65	53.0	42.4	63.6



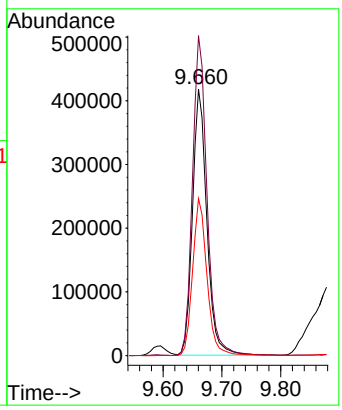


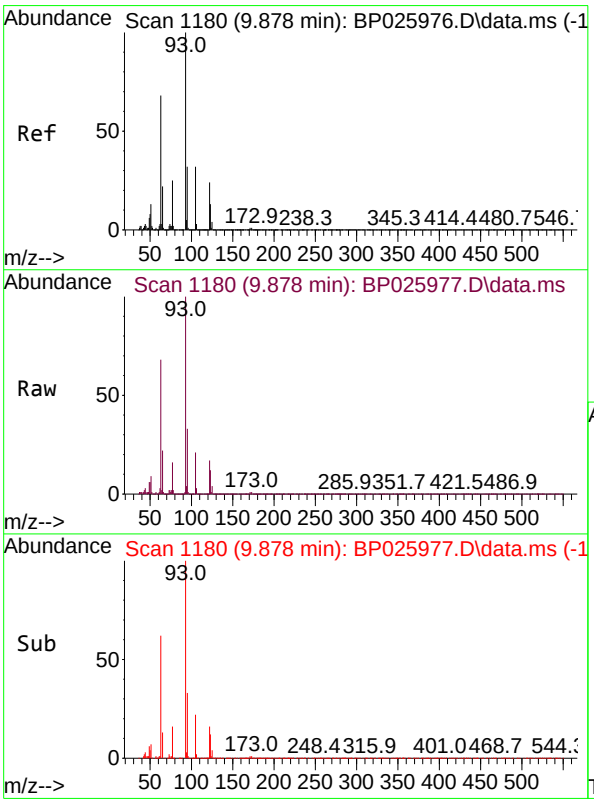
#27
2,4-Dimethylphenol
Concen: 53.092 ng
RT: 9.660 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 706832

Ion	Ratio	Lower	Upper
122	100		
107	120.1	95.9	143.9
121	58.9	46.6	70.0

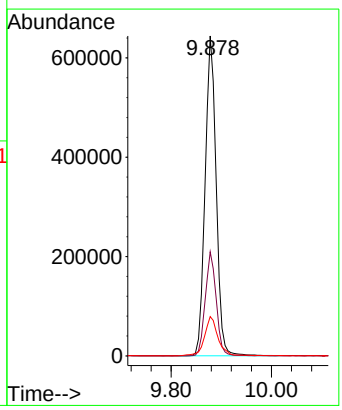


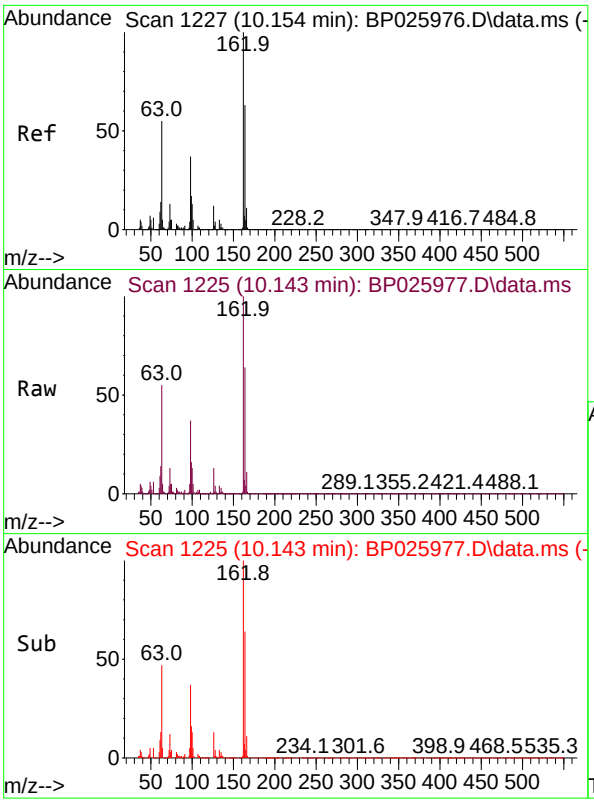


#28
bis(2-Chloroethoxy)methane
Concen: 51.544 ng
RT: 9.878 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion: 93 Resp: 987926

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.3	37.9
123	12.3	10.4	15.6



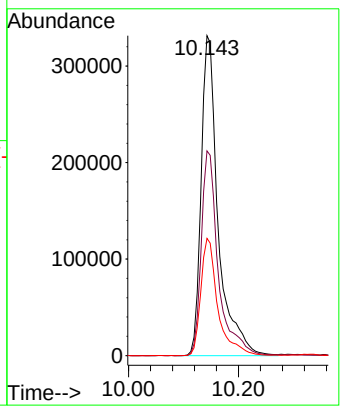


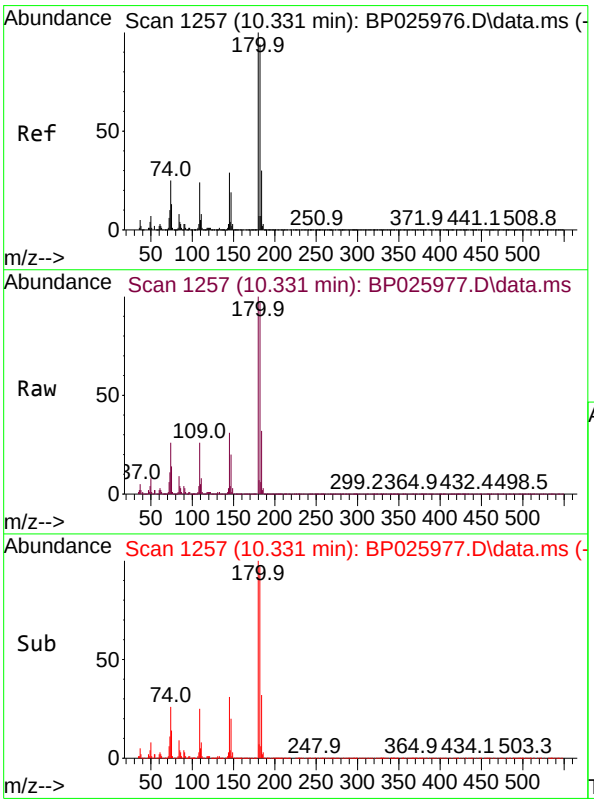
#29
2,4-Dichlorophenol
Concen: 53.718 ng
RT: 10.143 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 712604

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.4	83.4
98	36.6	17.3	57.3

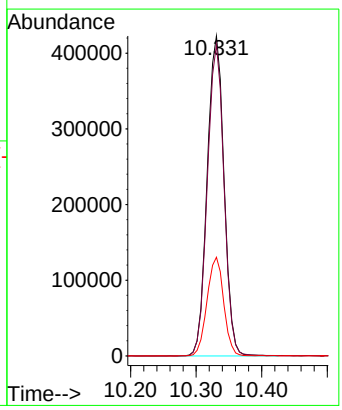


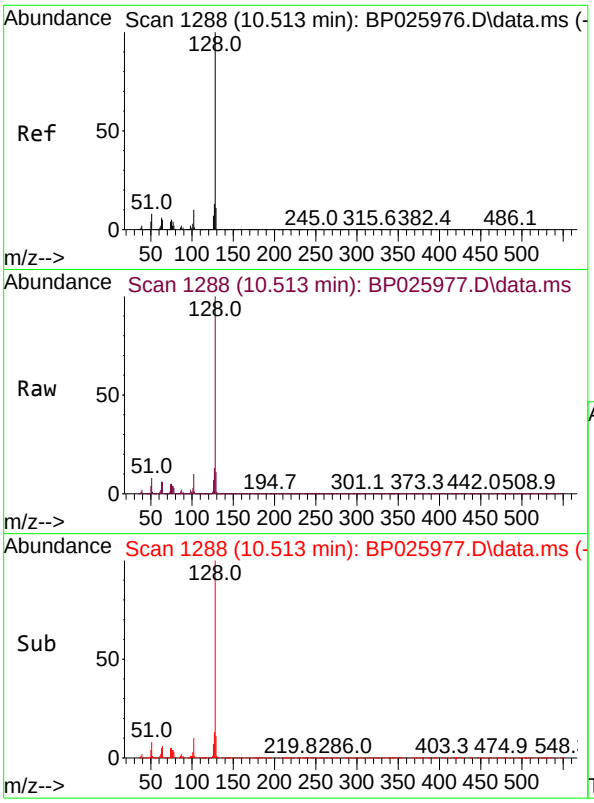


#30
1,2,4-Trichlorobenzene
Concen: 50.204 ng
RT: 10.331 min Scan# 1257
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:180 Resp: 753981

Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.3	112.9
145	30.8	23.4	35.2



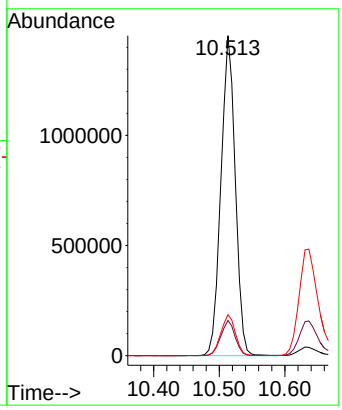


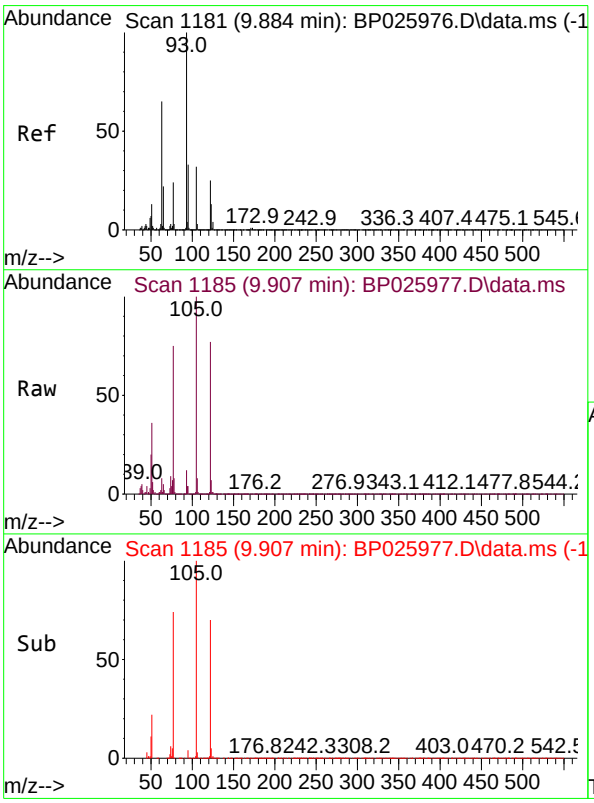
#31
Naphthalene
Concen: 49.990 ng
RT: 10.513 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2211213

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.8	10.6	16.0

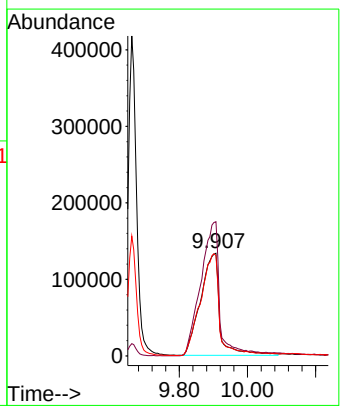


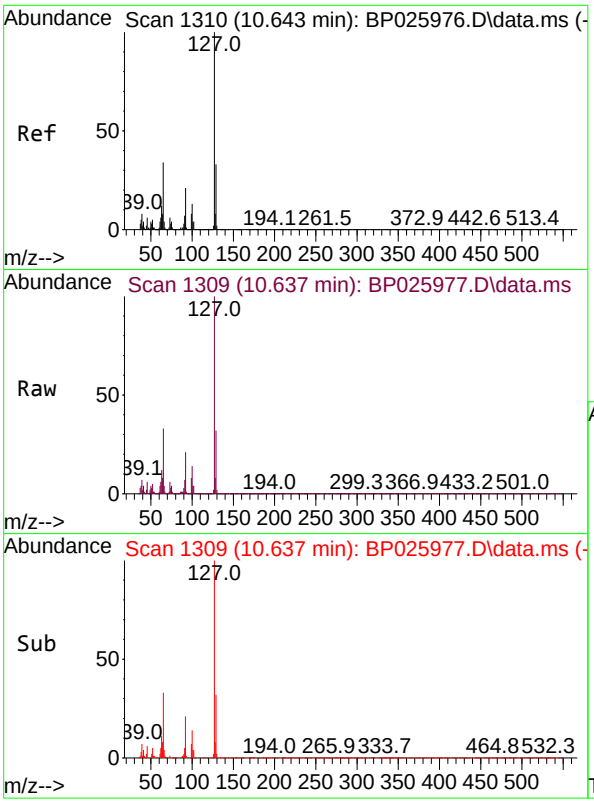


#32
Benzoic acid
Concen: 54.638 ng
RT: 9.907 min Scan# 1185
Delta R.T. 0.023 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:122 Resp: 528134

Ion	Ratio	Lower	Upper
122	100		
105	130.6	107.4	147.4
77	97.8	77.0	117.0



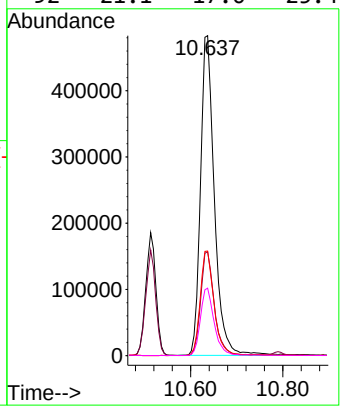


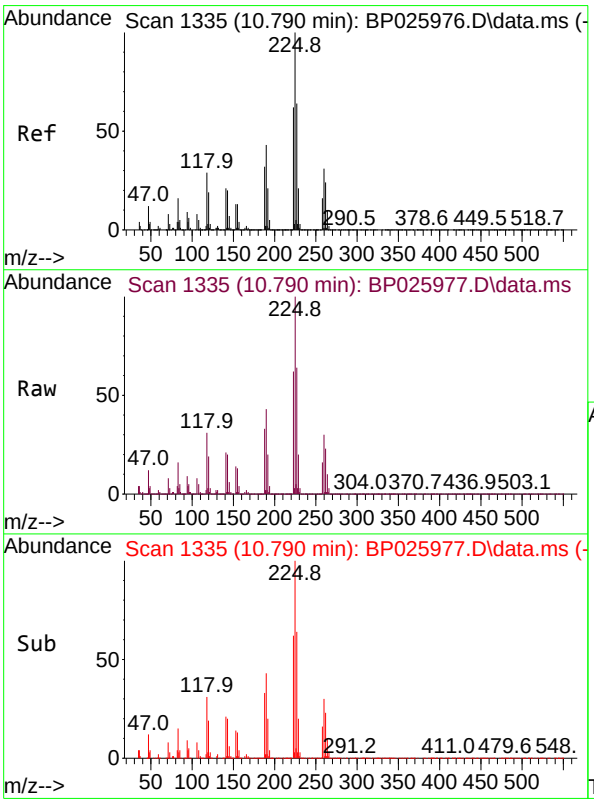
#33
4-Chloroaniline
Concen: 53.613 ng
RT: 10.637 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1007089

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	32.7	27.2	40.8
92	21.1	17.0	25.4

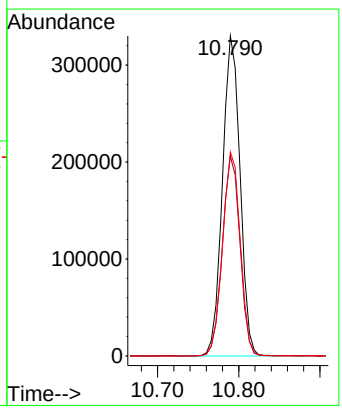


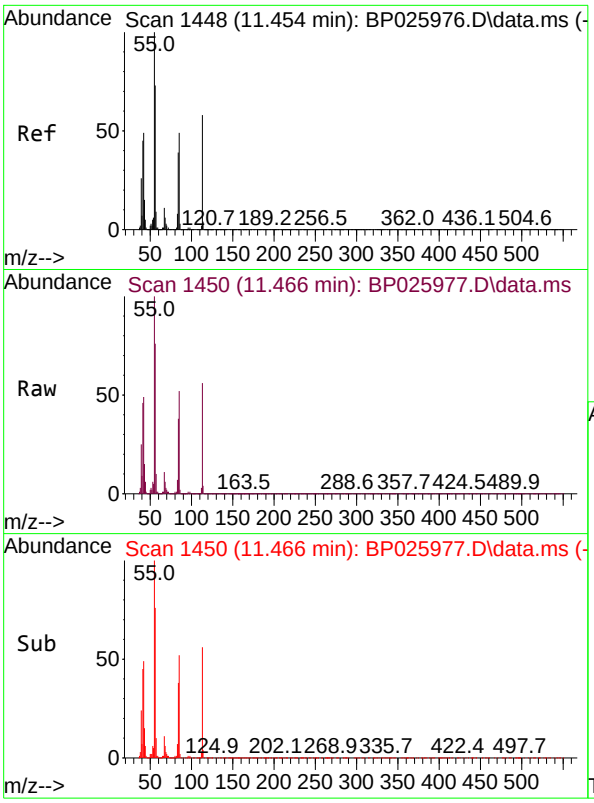


#34
Hexachlorobutadiene
Concen: 49.834 ng
RT: 10.790 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:225 Resp: 495305

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.8	74.8
227	63.7	51.4	77.2



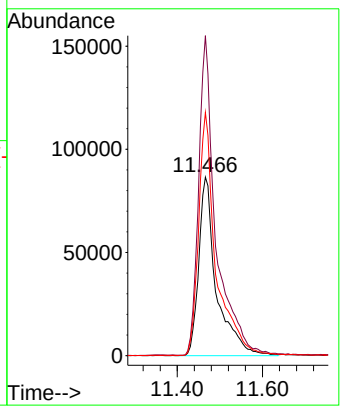


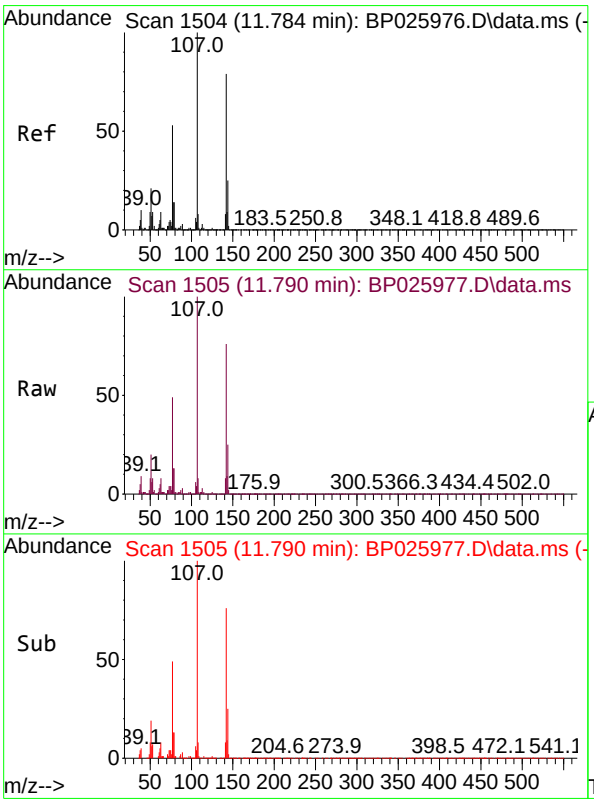
#35
Caprolactam
Concen: 52.995 ng
RT: 11.466 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 250176

Ion	Ratio	Lower	Upper
113	100		
55	179.3	151.8	191.8
56	136.3	104.6	144.6

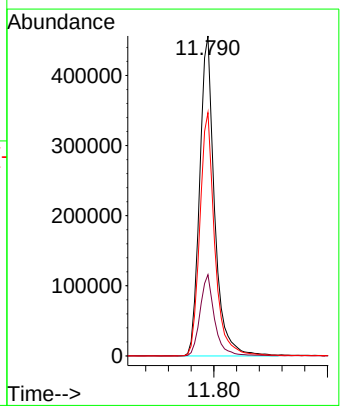


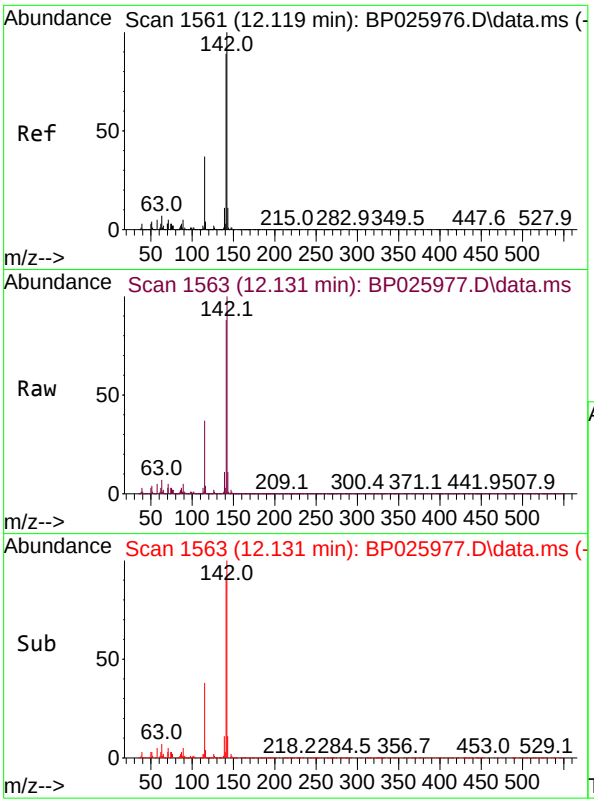


#36
4-Chloro-3-methylphenol
Concen: 53.309 ng
RT: 11.790 min Scan# 1505
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:107 Resp: 830250

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.3	30.5
142	76.0	63.0	94.4



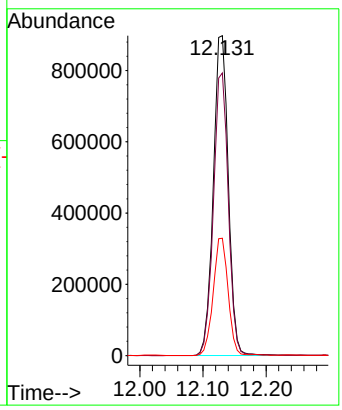


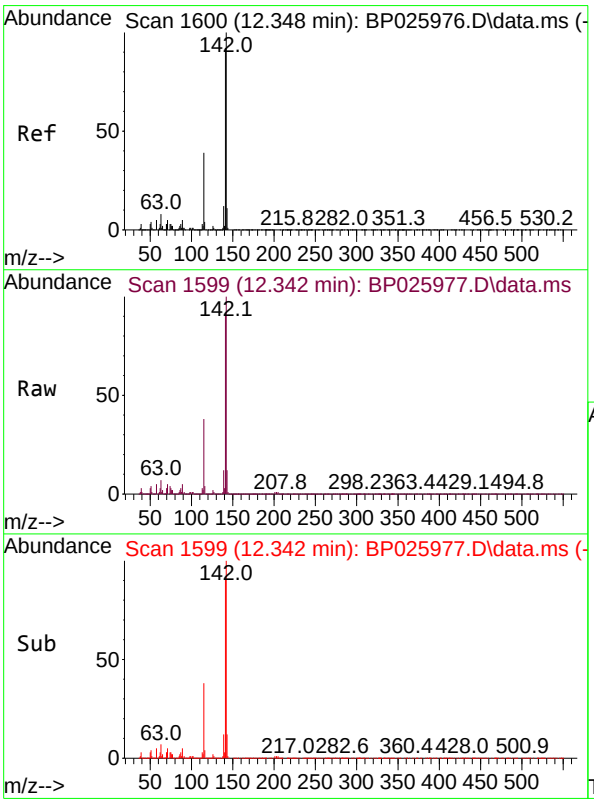
#37
2-Methylnaphthalene
Concen: 51.256 ng
RT: 12.131 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1484406

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.9	106.3
115	36.7	29.9	44.9

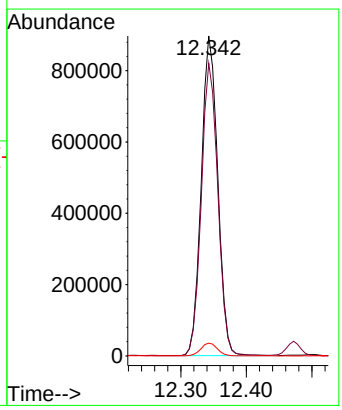


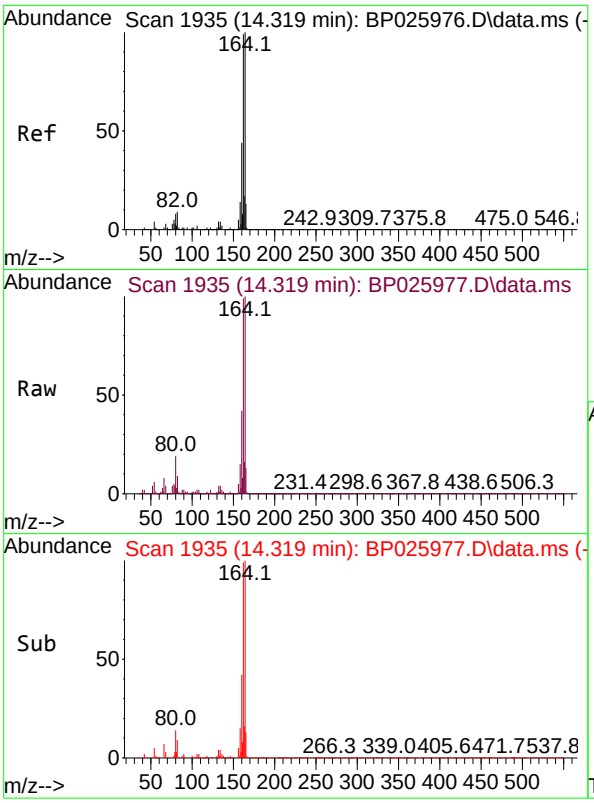


#38
1-Methylnaphthalene
Concen: 51.071 ng
RT: 12.342 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:142 Resp: 1560089

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.7	110.5
116	4.0	3.2	4.8



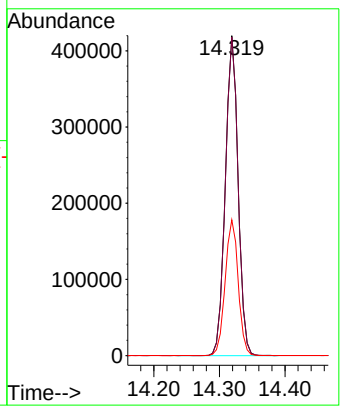


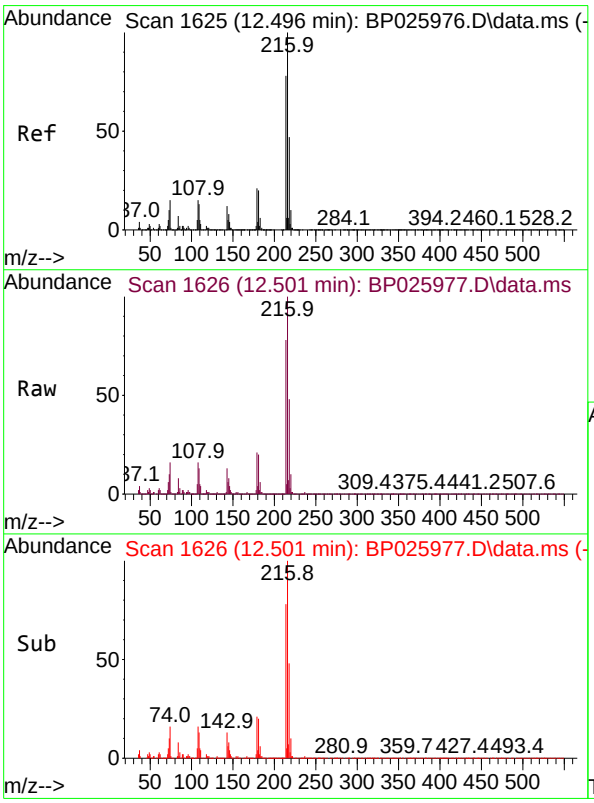
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 568434

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.3	118.9
160	42.4	35.4	53.0

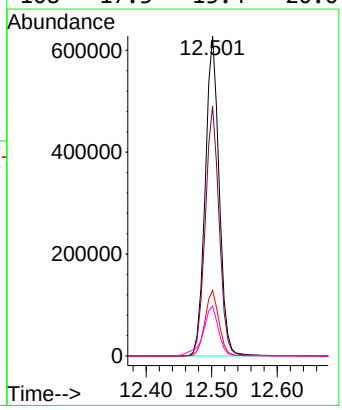


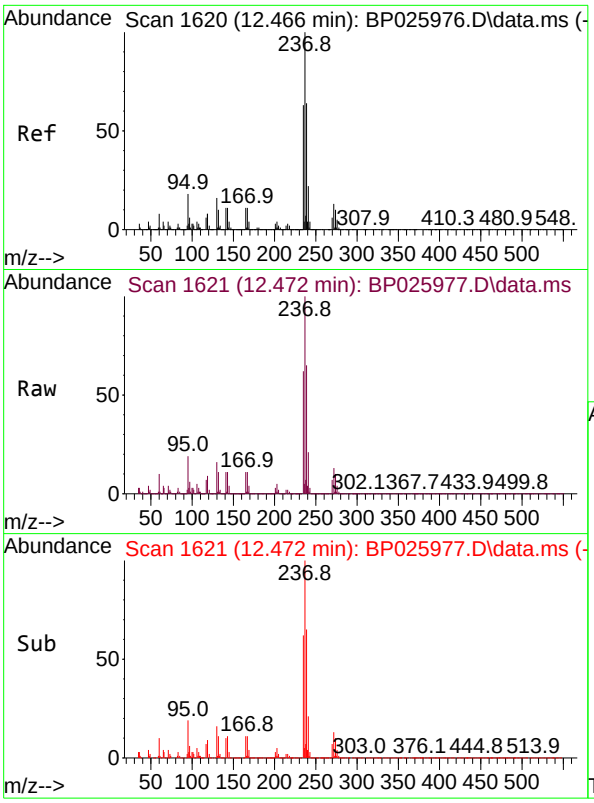


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.713 ng
RT: 12.501 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:216 Resp: 920188

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	20.6	16.5	24.7
108	17.3	13.4	20.0



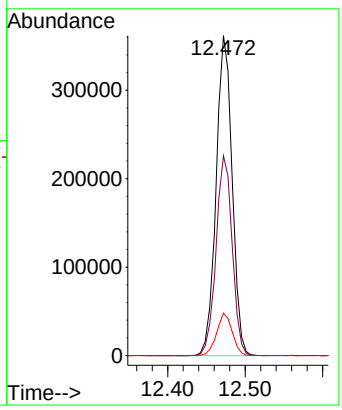


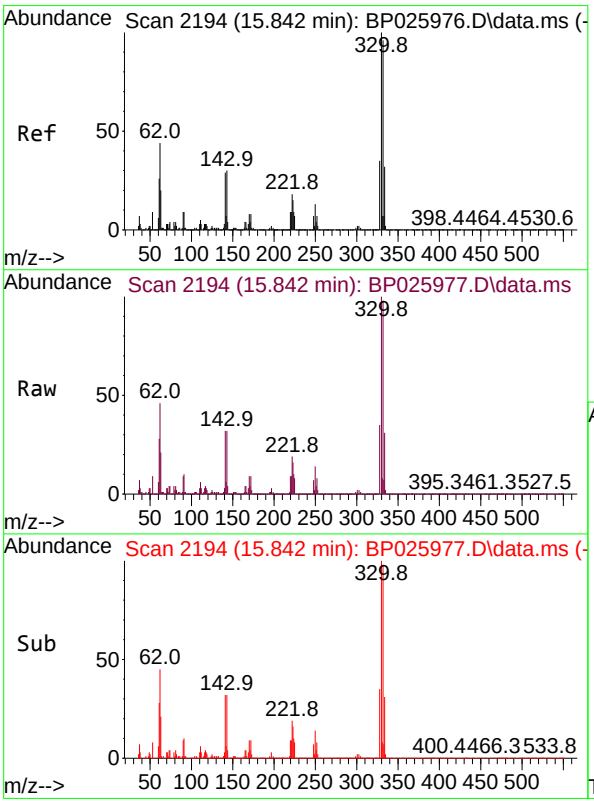
#41
Hexachlorocyclopentadiene
Concen: 49.742 ng
RT: 12.472 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 518870

Ion	Ratio	Lower	Upper
237	100		
235	62.4	43.1	83.1
272	13.3	0.0	33.4

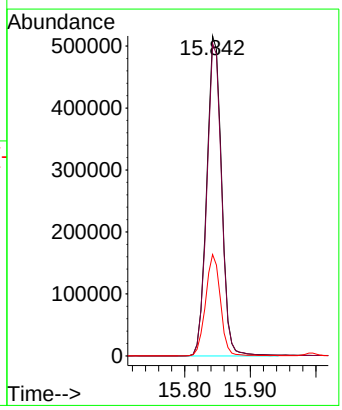


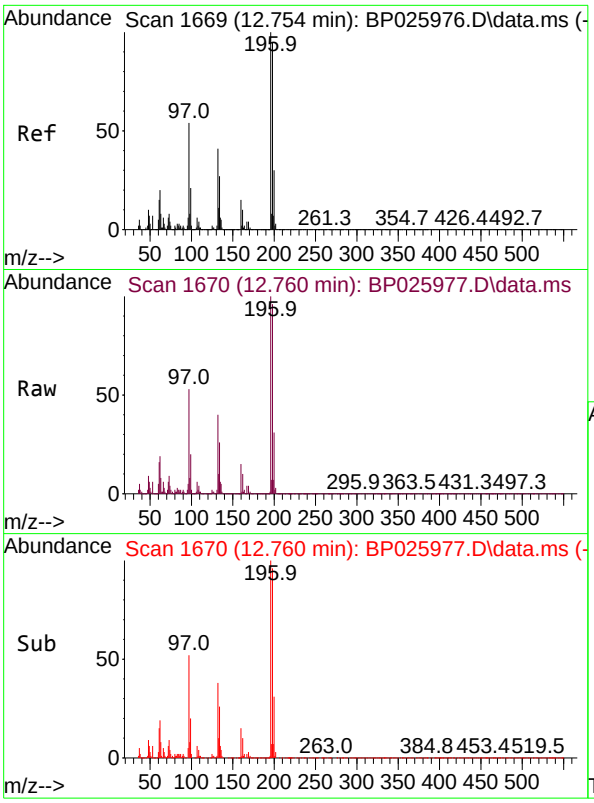


#42
2,4,6-Tribromophenol
Concen: 105.934 ng
RT: 15.842 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:330 Resp: 810658

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.8	116.8
141	31.7	25.6	38.4



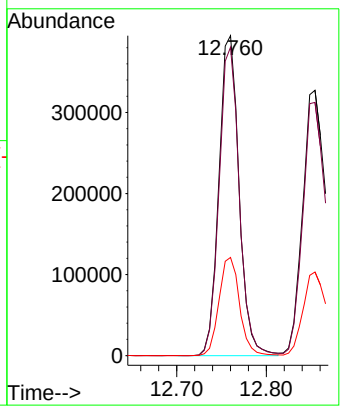


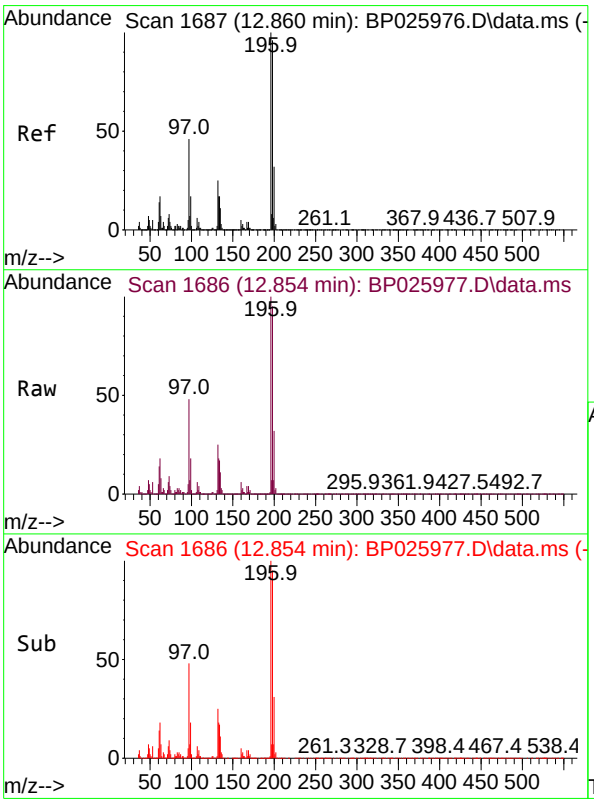
#43
2,4,6-Trichlorophenol
Concen: 52.715 ng
RT: 12.760 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 619337

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.3	114.5
200	30.7	23.9	35.9

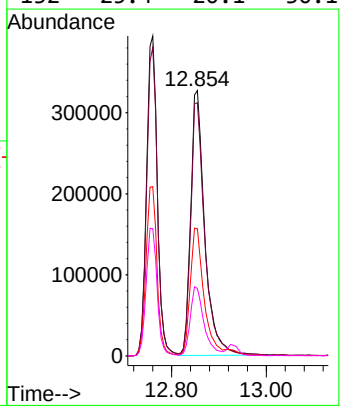


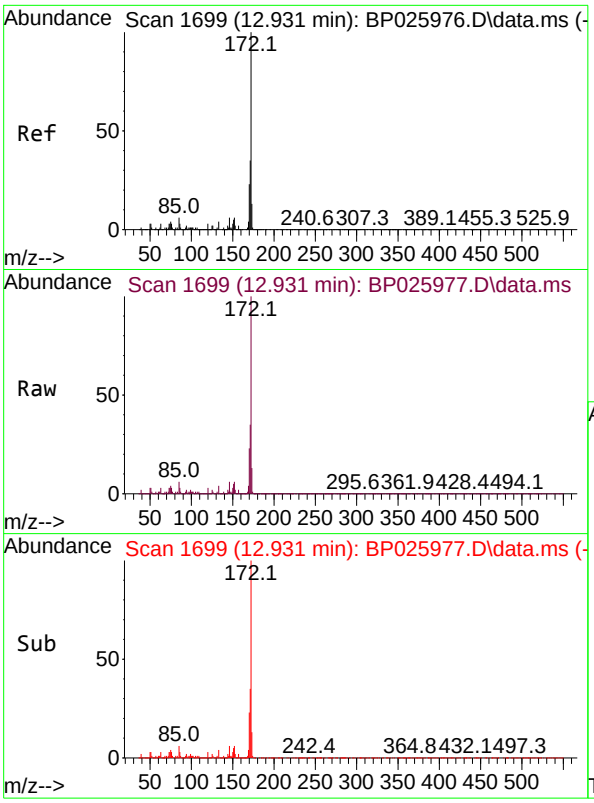


#44
2,4,5-Trichlorophenol
Concen: 52.972 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:196 Resp: 677706

Ion	Ratio	Lower	Upper
196	100		
198	95.4	77.0	115.4
97	47.9	36.6	54.8
132	25.4	20.1	30.1



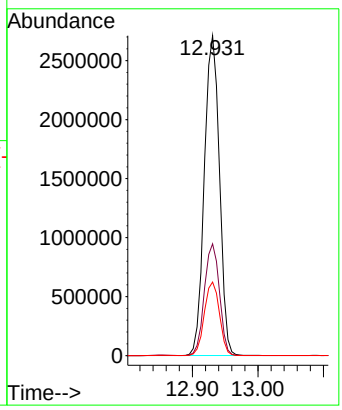


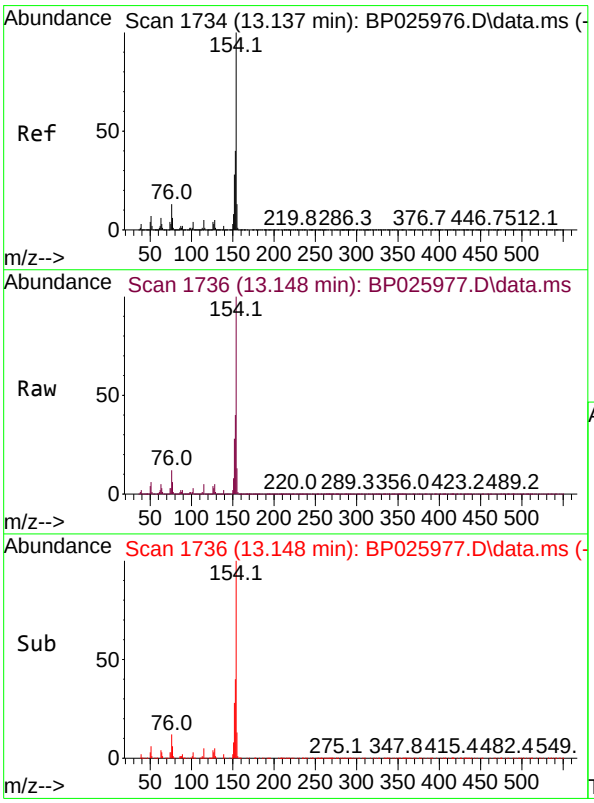
#45
2-Fluorobiphenyl
Concen: 97.552 ng
RT: 12.931 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 4326346

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.8
170	23.0	18.5	27.7

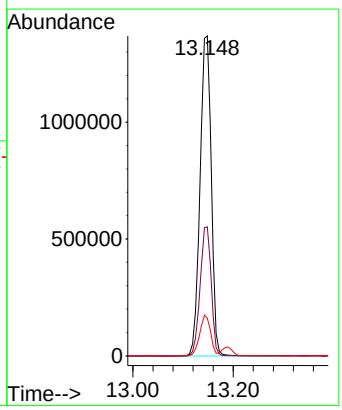


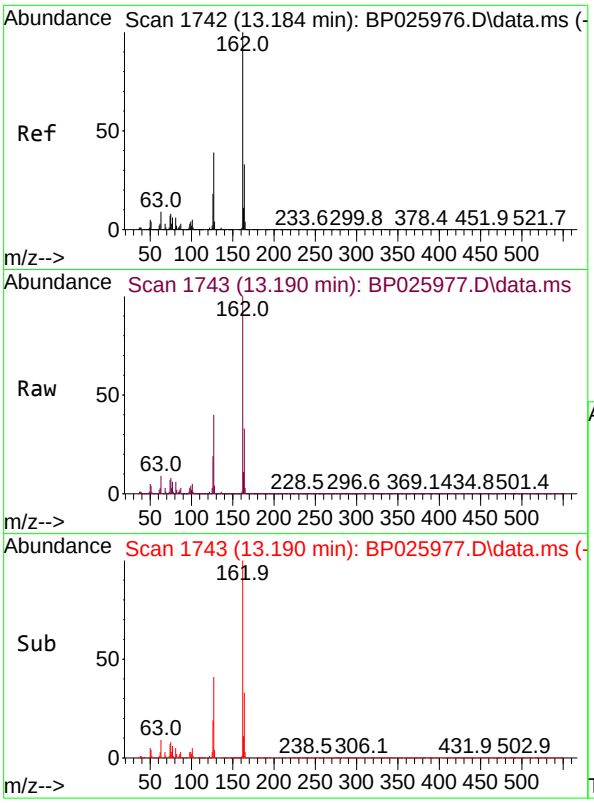


#46
1,1'-Biphenyl
Concen: 49.565 ng
RT: 13.148 min Scan# 1736
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:154 Resp: 2128243

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.1	60.1
76	11.8	0.0	33.1



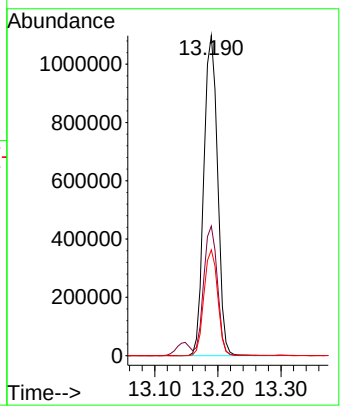


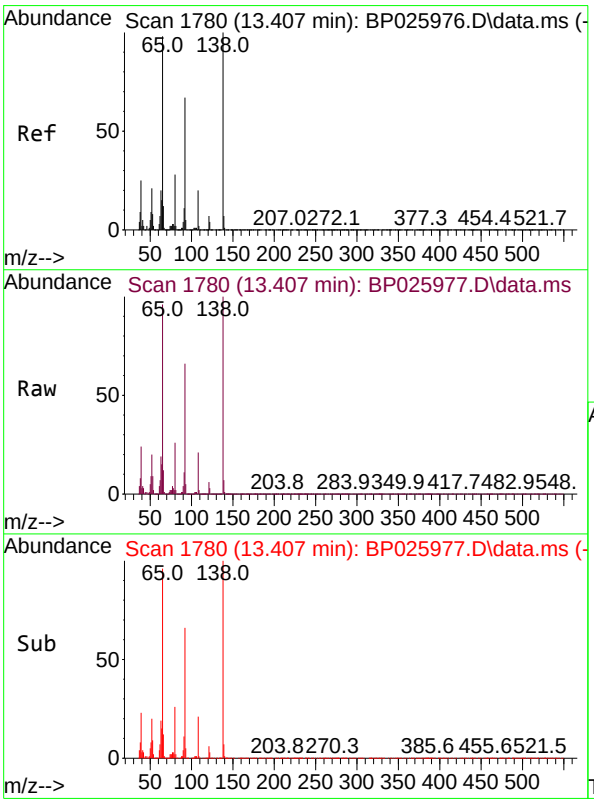
#47
2-Chloronaphthalene
Concen: 49.461 ng
RT: 13.190 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1660573

Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.4	47.0
164	33.0	26.4	39.6

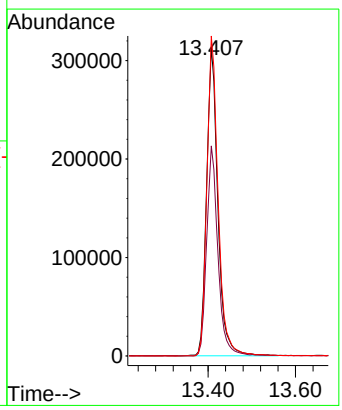


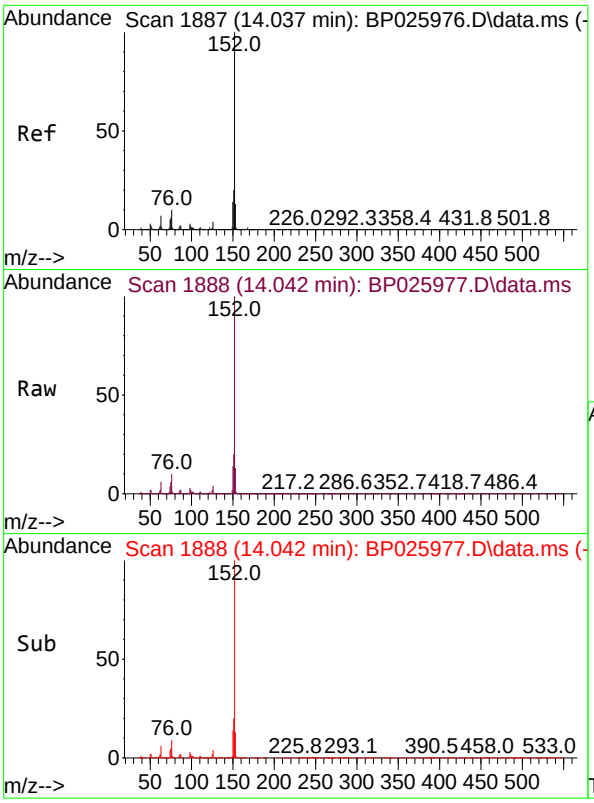


#48
2-Nitroaniline
Concen: 53.510 ng
RT: 13.407 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion: 65 Resp: 559919

Ion	Ratio	Lower	Upper
65	100		
92	68.1	55.0	82.4
138	103.8	82.0	123.0



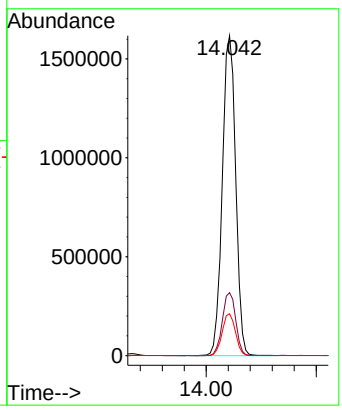


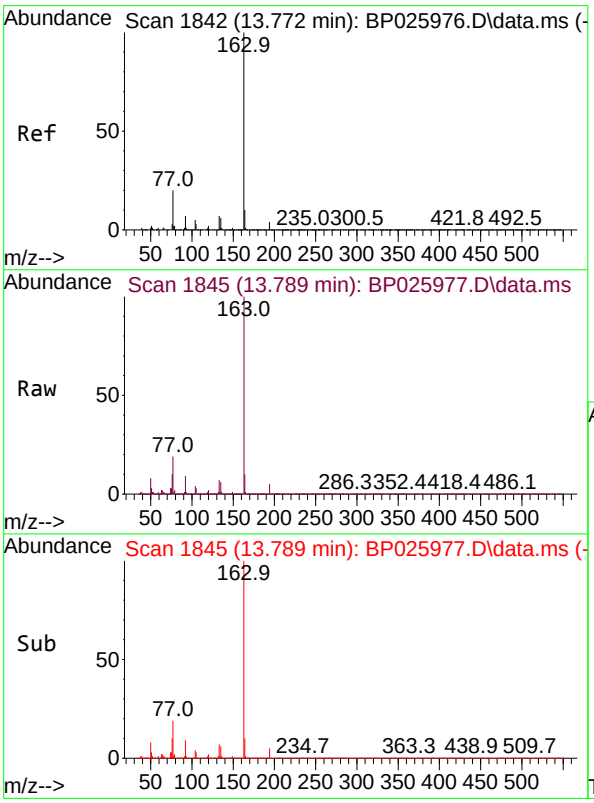
#49
Acenaphthylene
Concen: 50.220 ng
RT: 14.042 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 2726202

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.1	10.6	15.8

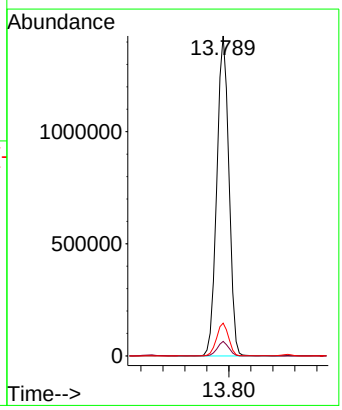


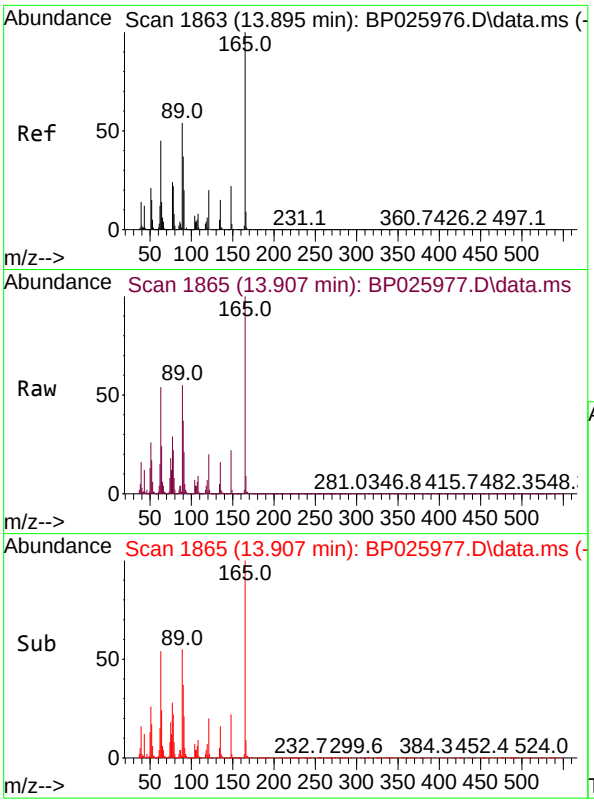


#50
Dimethylphthalate
Concen: 50.724 ng
RT: 13.789 min Scan# 1845
Delta R.T. 0.018 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:163 Resp: 2179372

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.6	5.4
164	10.2	8.2	12.2



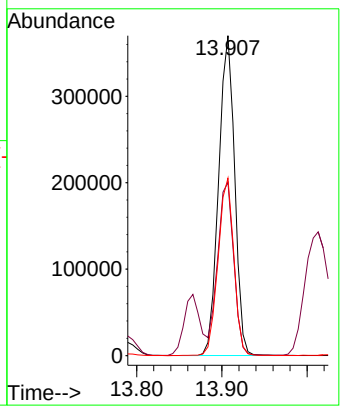


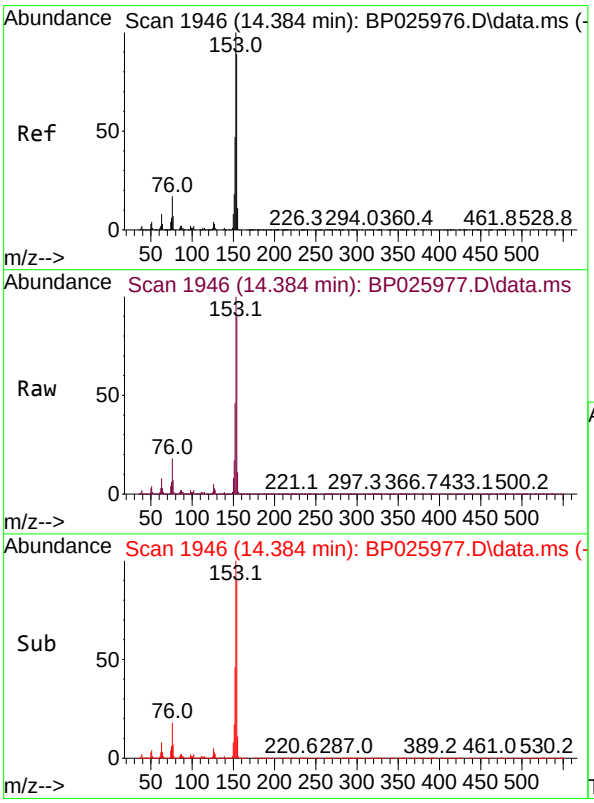
#51
2,6-Dinitrotoluene
Concen: 52.103 ng
RT: 13.907 min Scan# 18
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 483348

Ion	Ratio	Lower	Upper
165	100		
63	54.1	45.4	68.0
89	55.4	43.4	65.0

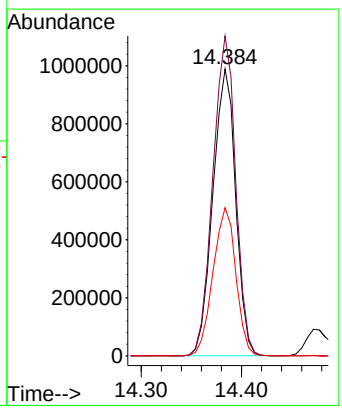


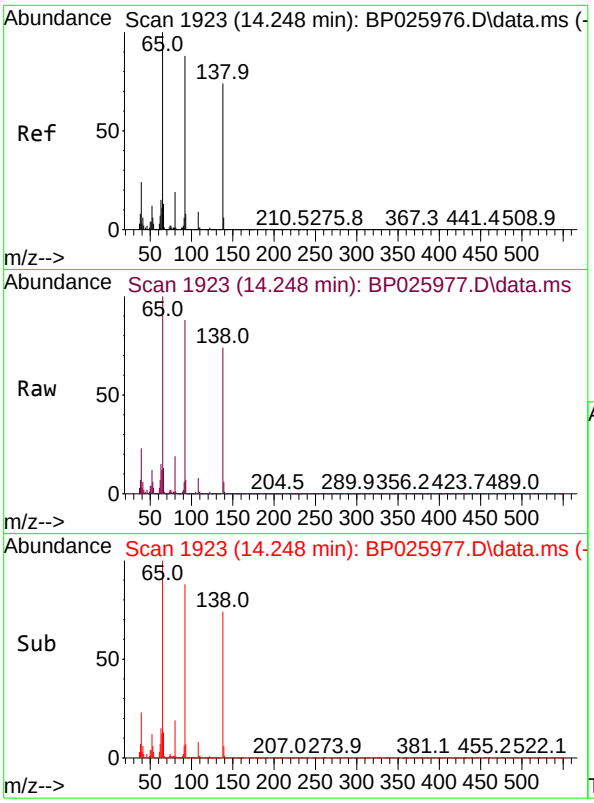


#52
Acenaphthene
Concen: 49.838 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:154 Resp: 1562286

Ion	Ratio	Lower	Upper
154	100		
153	111.6	90.2	135.2
152	51.7	42.2	63.2



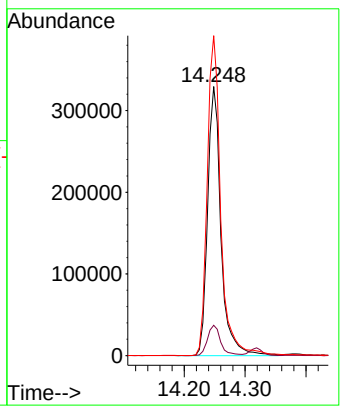


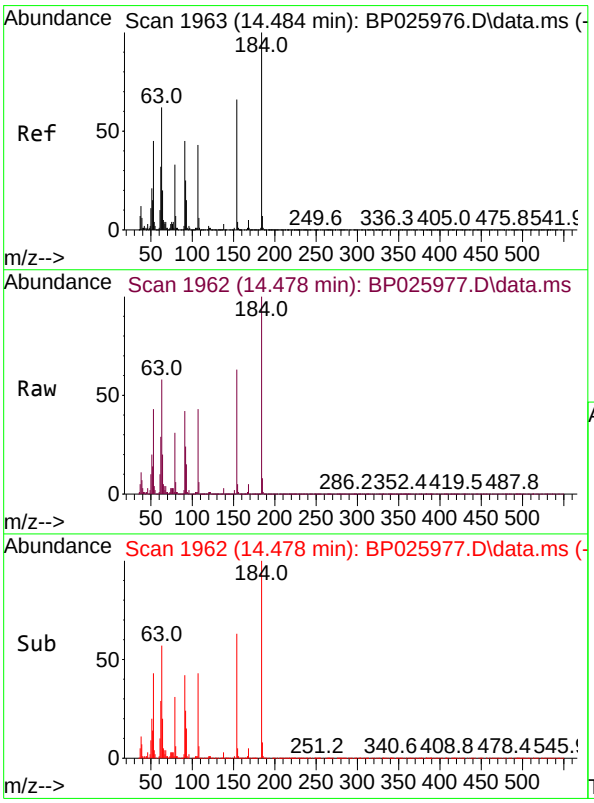
#53
3-Nitroaniline
Concen: 54.914 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 501369

Ion	Ratio	Lower	Upper
138	100		
108	11.3	10.0	15.0
92	118.9	96.1	144.1

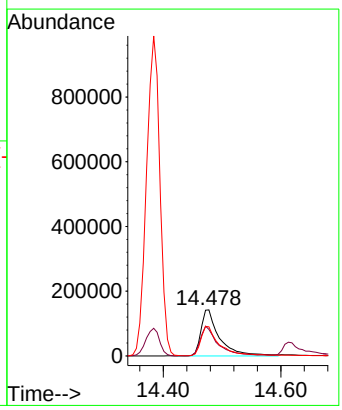


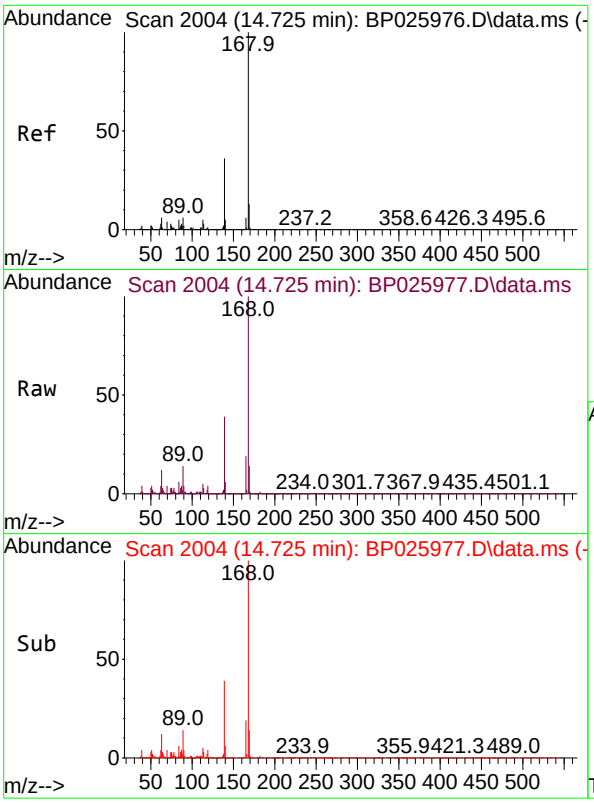


#54
2,4-Dinitrophenol
Concen: 50.852 ng
RT: 14.478 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:184 Resp: 307180

Ion	Ratio	Lower	Upper
184	100		
63	57.8	50.2	75.2
154	63.4	54.2	81.4



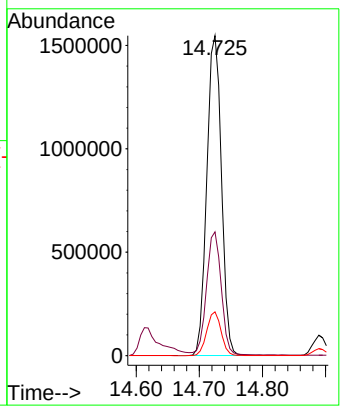


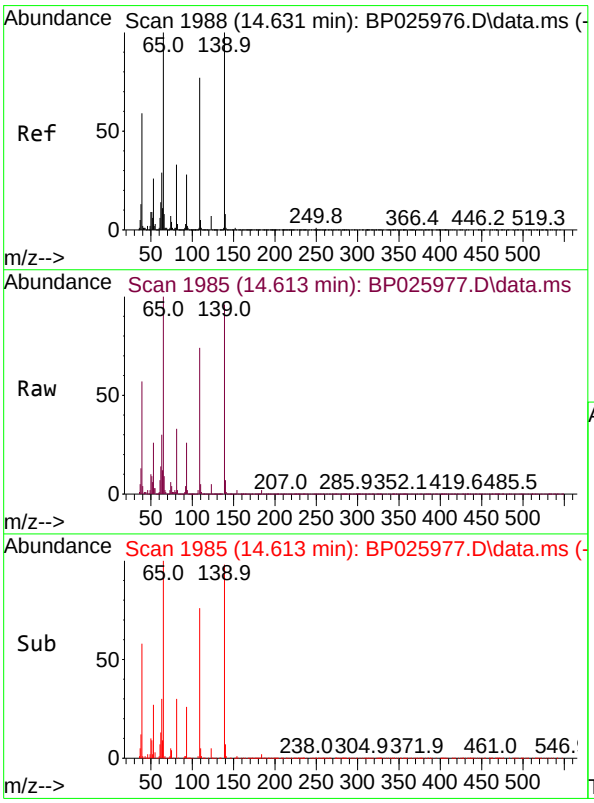
#55
Dibenzofuran
Concen: 49.540 ng
RT: 14.725 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 2486656

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.5	45.7
169	13.7	10.6	15.8

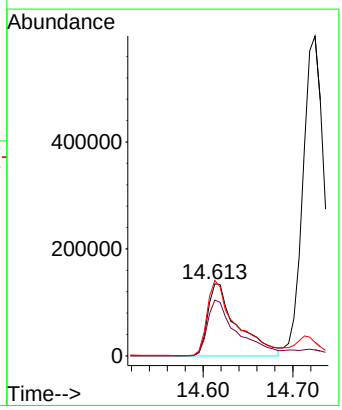


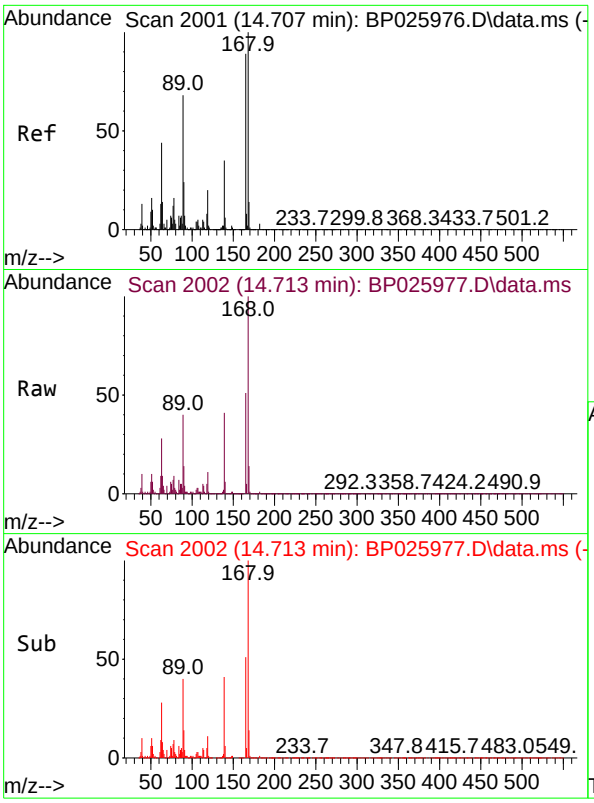


#56
4-Nitrophenol
Concen: 54.895 ng
RT: 14.613 min Scan# 1985
Delta R.T. -0.018 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:139 Resp: 307602

Ion	Ratio	Lower	Upper
139	100		
109	77.4	57.6	97.6
65	104.7	81.4	121.4



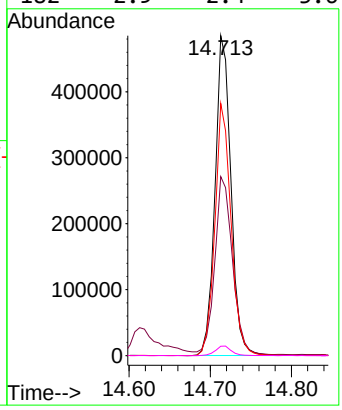


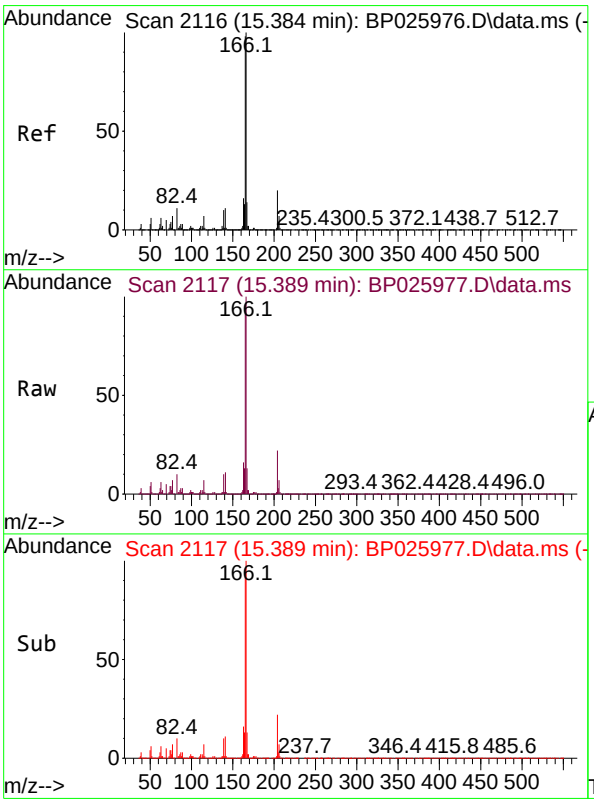
#57
2,4-Dinitrotoluene
Concen: 52.448 ng
RT: 14.713 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 659262

Ion	Ratio	Lower	Upper
165	100		
63	55.9	41.8	62.6
89	78.8	61.6	92.4
182	2.9	2.4	3.6

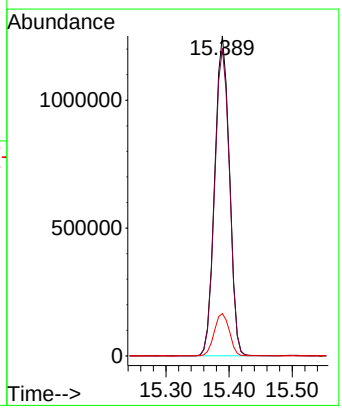


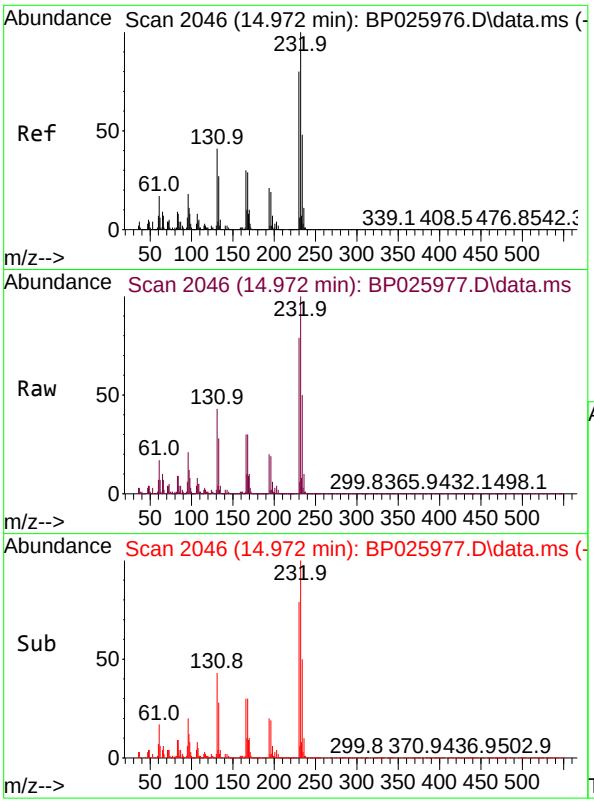


#58
Fluorene
Concen: 50.263 ng
RT: 15.389 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:166 Resp: 2027253

Ion	Ratio	Lower	Upper
166	100		
165	96.2	78.2	117.2
167	13.2	10.8	16.2



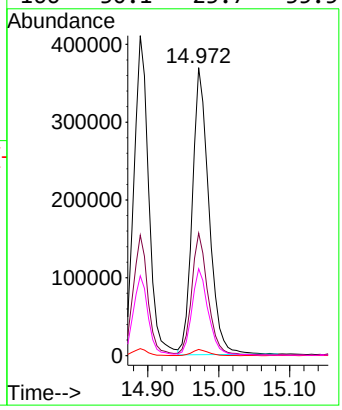


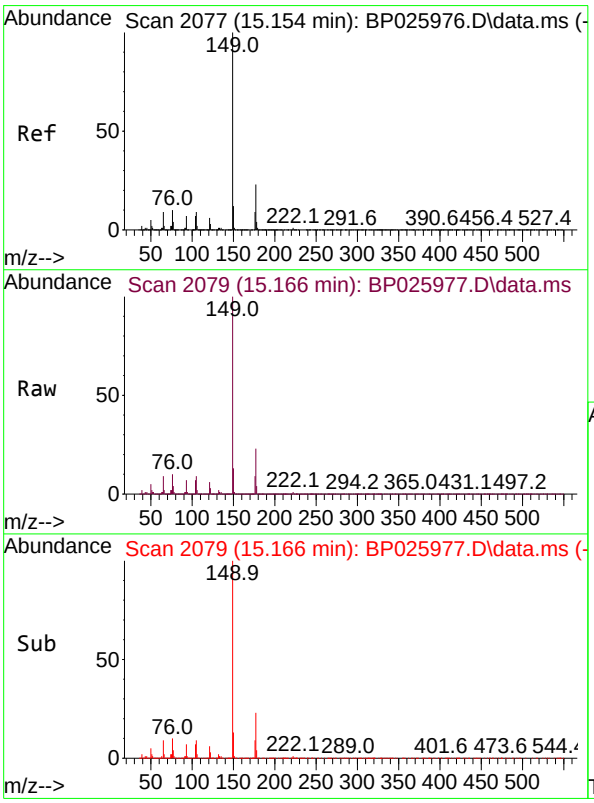
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.129 ng
RT: 14.972 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 598433

Ion	Ratio	Lower	Upper
232	100		
131	42.5	33.8	50.8
130	2.1	1.8	2.8
166	30.1	23.7	35.5

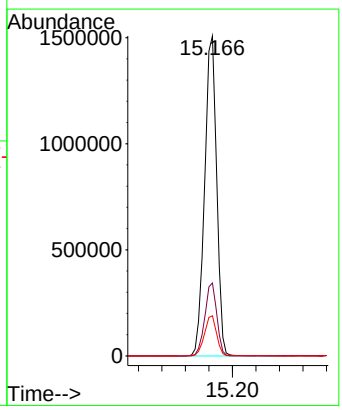


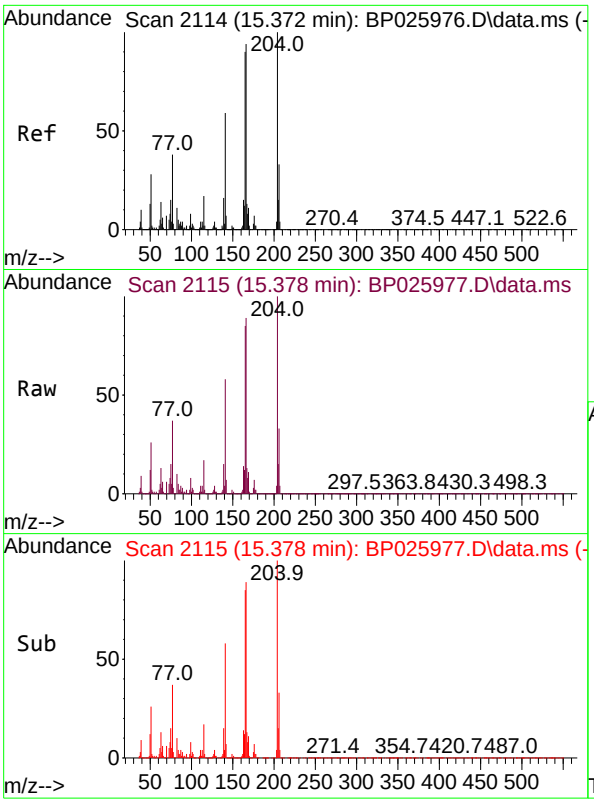


#60
Diethylphthalate
Concen: 50.594 ng
RT: 15.166 min Scan# 2079
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:149 Resp: 2143315

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.2	27.2
150	12.5	9.8	14.6



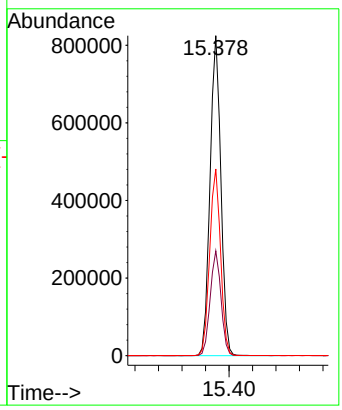


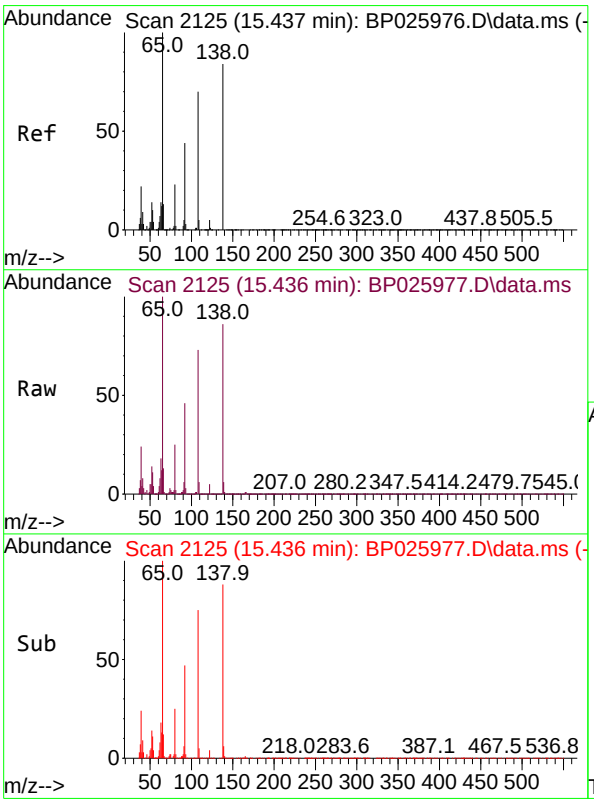
#61
4-Chlorophenyl-phenylether
Concen: 49.553 ng
RT: 15.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1050986

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	58.3	47.2	70.8

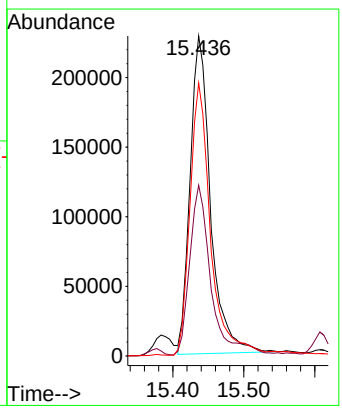


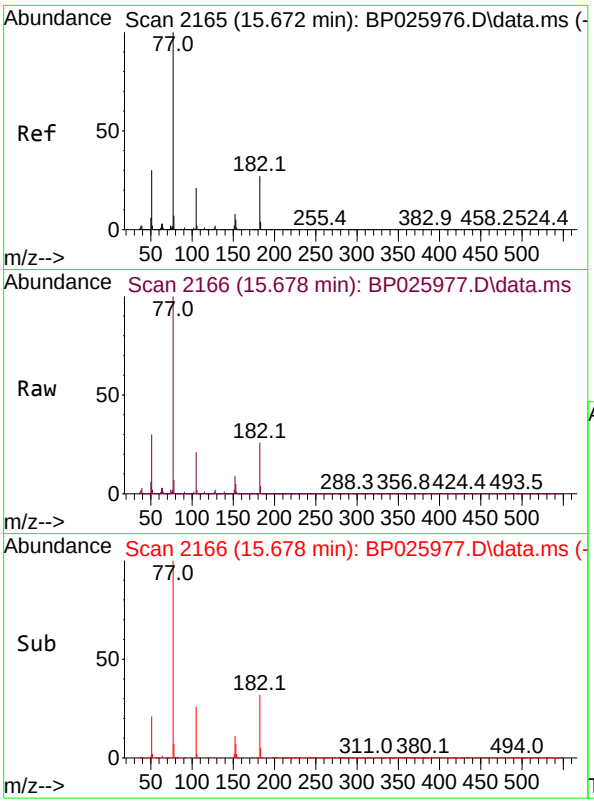


#62
4-Nitroaniline
Concen: 54.090 ng
RT: 15.436 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:138 Resp: 455097

Ion	Ratio	Lower	Upper
138	100		
92	53.3	32.5	72.5
108	85.3	62.7	102.7



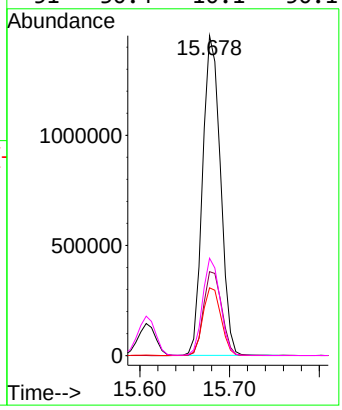


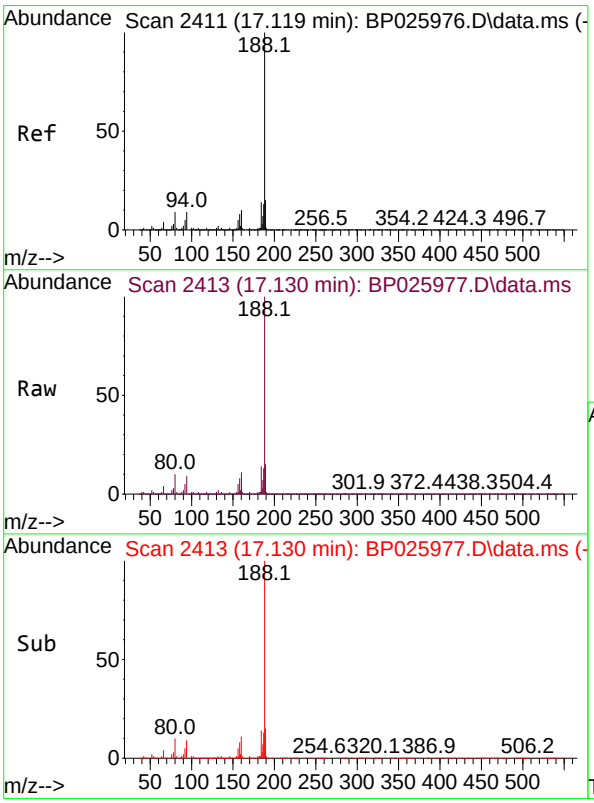
#63
Azobenzene
Concen: 50.742 ng
RT: 15.678 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2003584

Ion	Ratio	Lower	Upper
77	100		
182	26.2	6.6	46.6
105	21.2	1.3	41.3
51	30.4	10.1	50.1

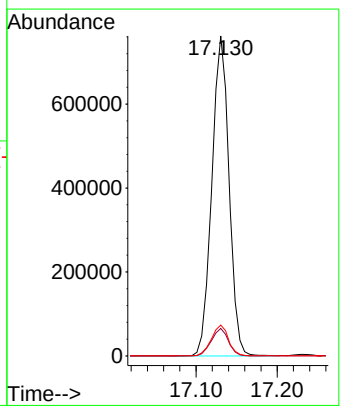


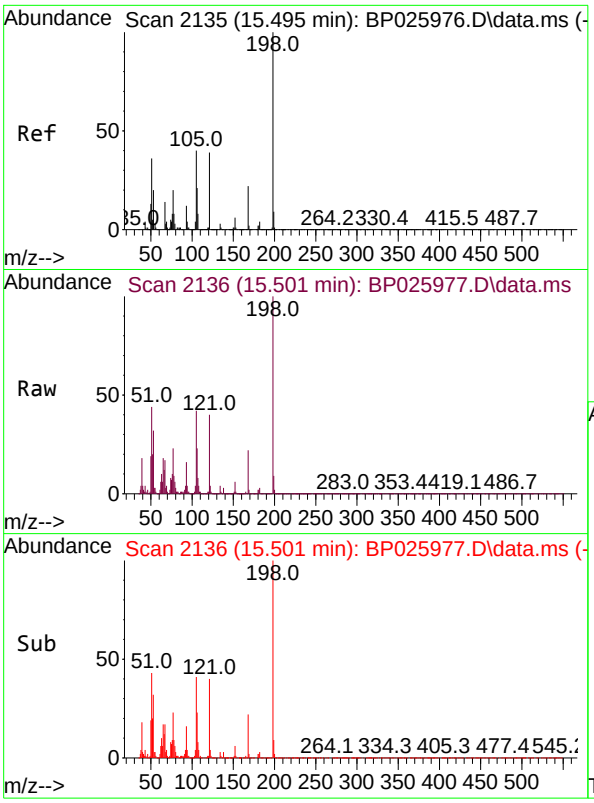


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.130 min Scan# 2413
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:188 Resp: 1120583

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.8	10.2
80	9.6	7.2	10.8



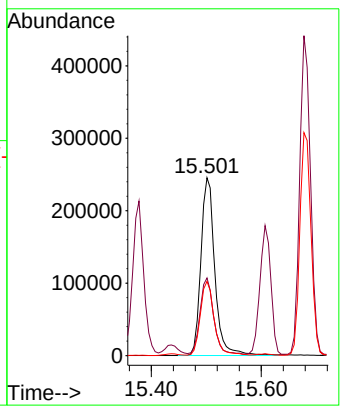


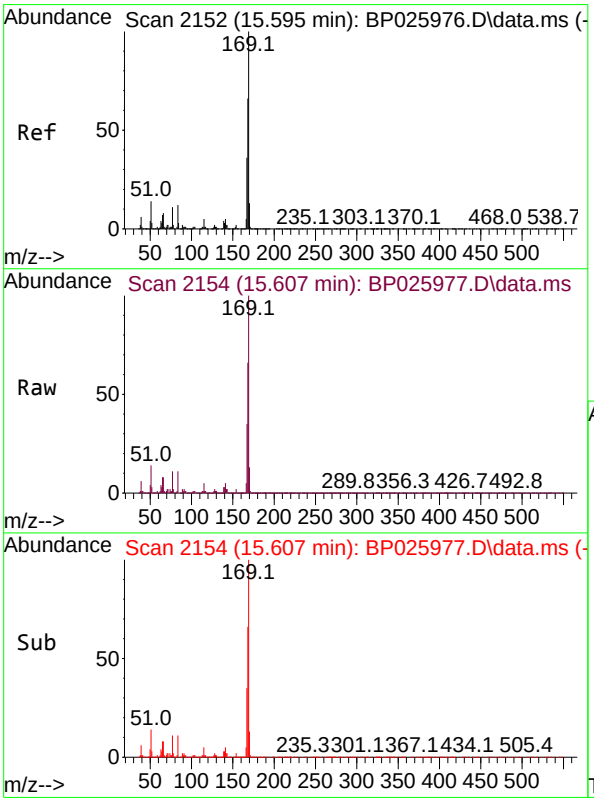
#65
4,6-Dinitro-2-methylphenol
Concen: 53.195 ng
RT: 15.501 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 430829

Ion	Ratio	Lower	Upper
198	100		
51	43.6	22.1	62.1
105	41.6	20.8	60.8

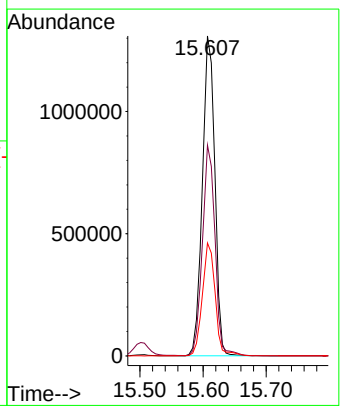


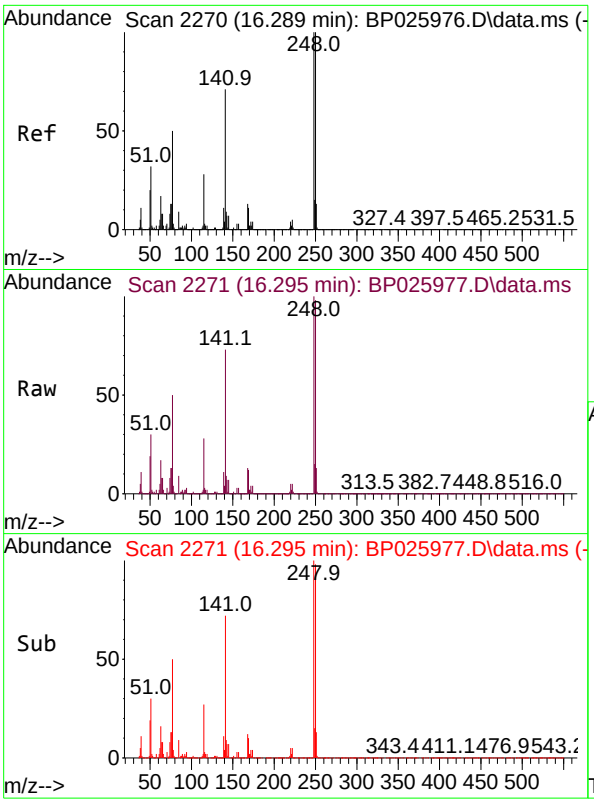


#66
n-Nitrosodiphenylamine
Concen: 49.709 ng
RT: 15.607 min Scan# 2154
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:169 Resp: 1792152

Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.2	79.8
167	35.3	28.6	42.8



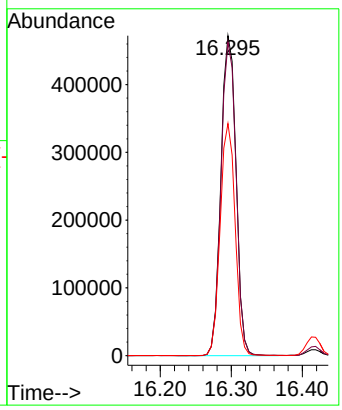


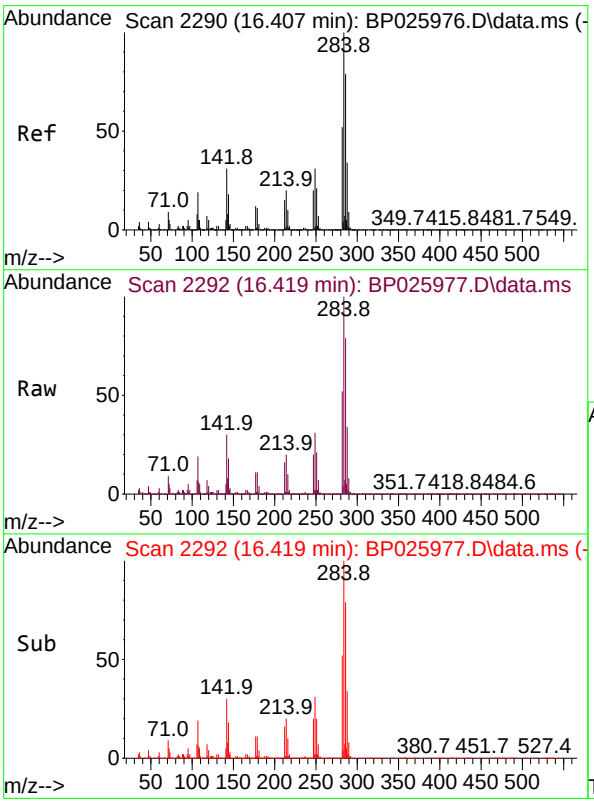
#67
4-Bromophenyl-phenylether
Concen: 50.614 ng
RT: 16.295 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 700046

Ion	Ratio	Lower	Upper
248	100		
250	97.9	79.8	119.6
141	72.5	57.0	85.4

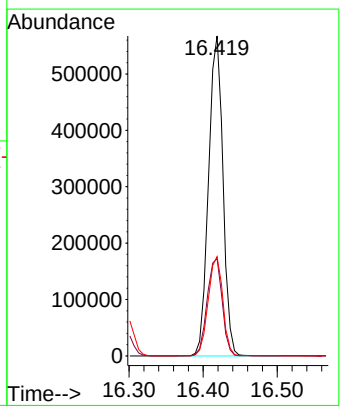


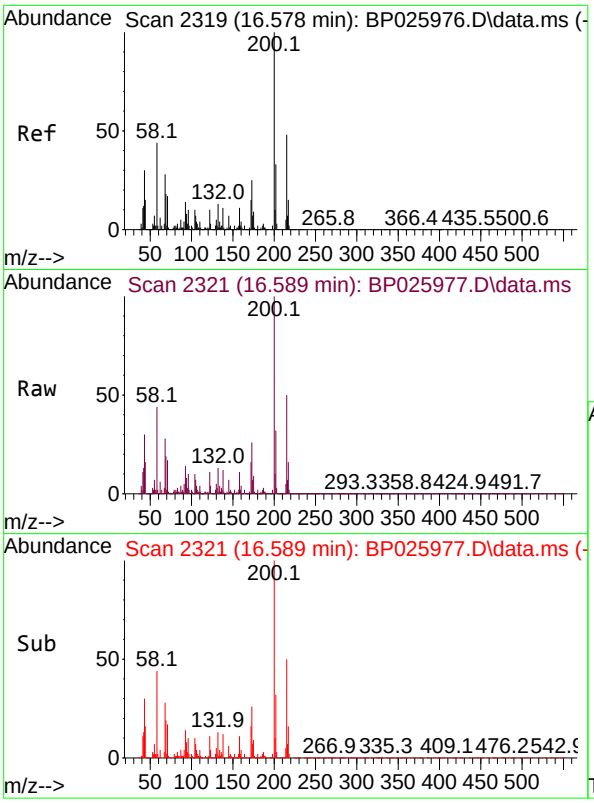


#68
Hexachlorobenzene
Concen: 49.342 ng
RT: 16.419 min Scan# 2292
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:284 Resp: 765608

Ion	Ratio	Lower	Upper
284	100		
142	30.4	24.9	37.3
249	31.0	25.1	37.7



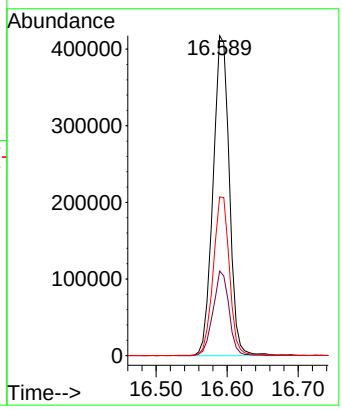


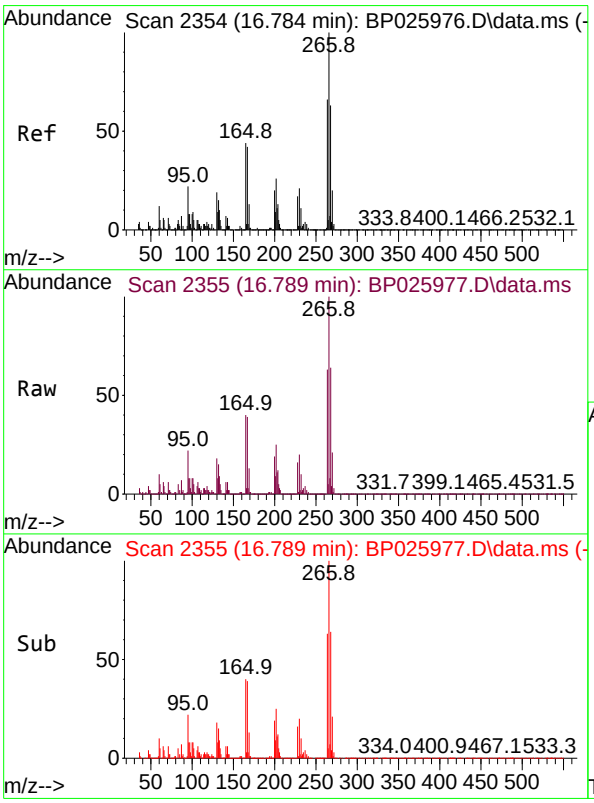
#69
Atrazine
Concen: 51.106 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 664701

Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.3	45.3
215	49.6	28.2	68.2

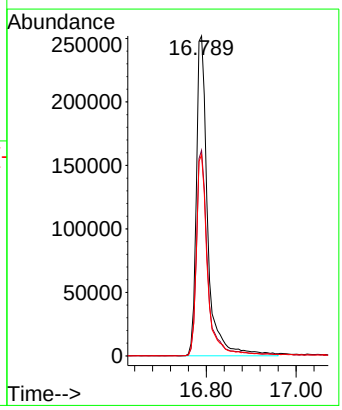


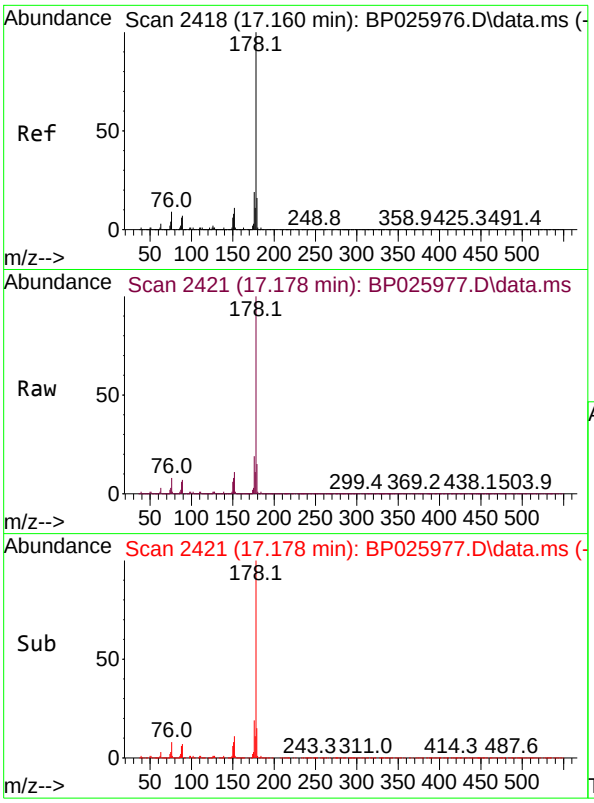


#70
Pentachlorophenol
Concen: 53.719 ng
RT: 16.789 min Scan# 2355
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:266 Resp: 441609

Ion	Ratio	Lower	Upper
266	100		
268	64.2	50.5	75.7
264	62.8	52.9	79.3



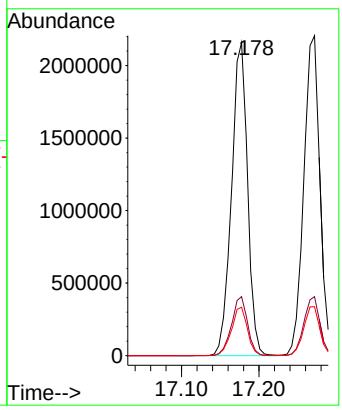


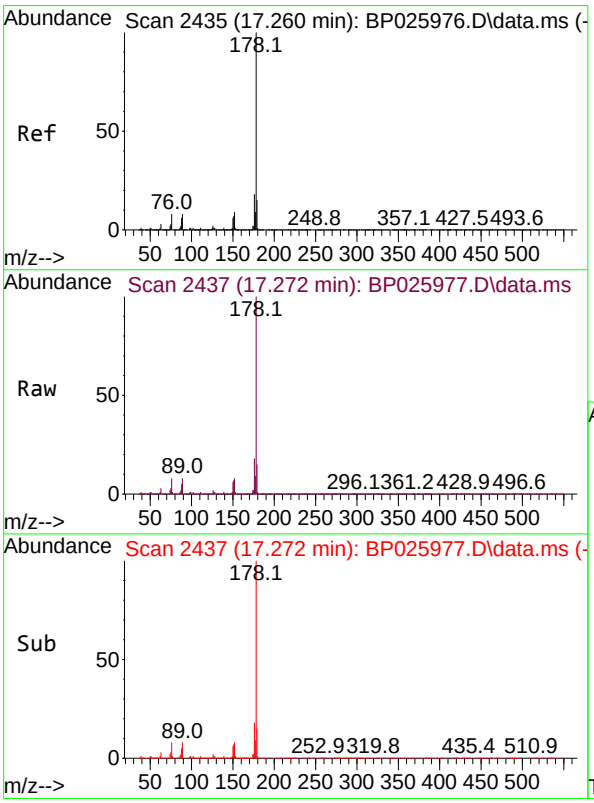
#71
Phenanthrene
Concen: 49.026 ng
RT: 17.178 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 3113716

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.5	12.7	19.1

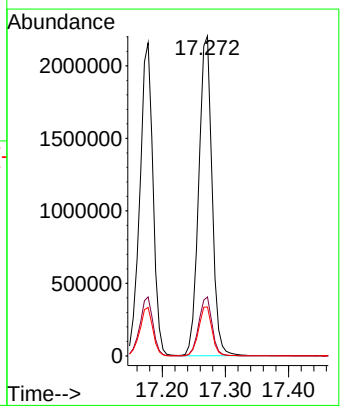


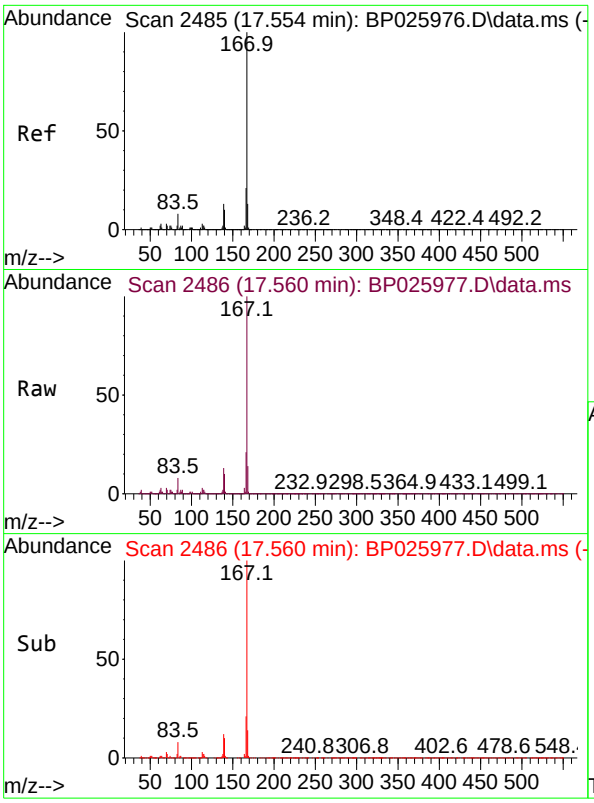


#72
Anthracene
Concen: 49.633 ng
RT: 17.272 min Scan# 2437
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:178 Resp: 3219993

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.3	12.3	18.5



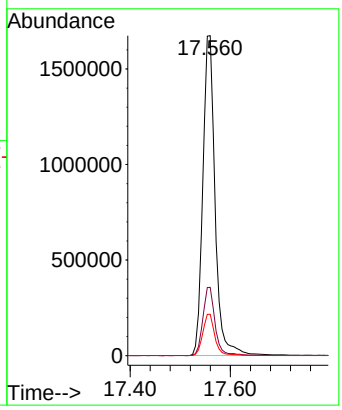


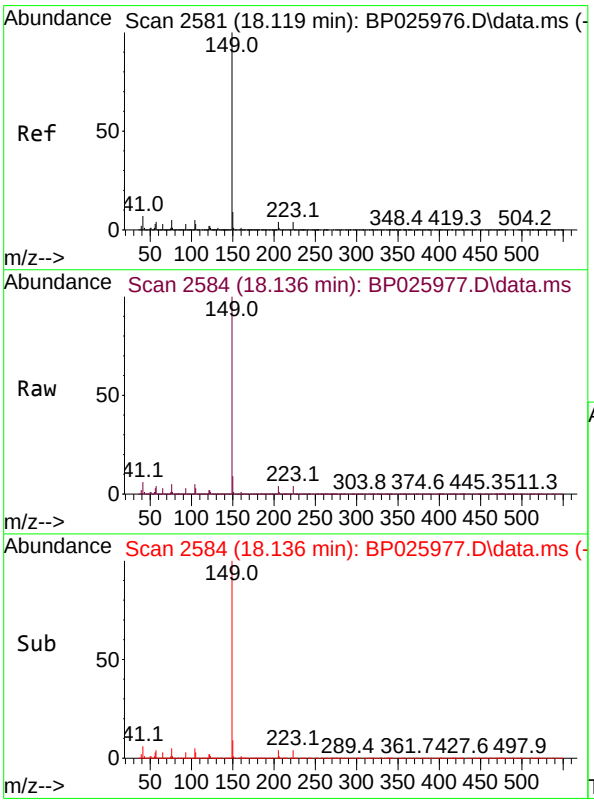
#73
Carbazole
Concen: 49.845 ng
RT: 17.560 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 2850608

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.7	25.1
139	12.9	10.2	15.2

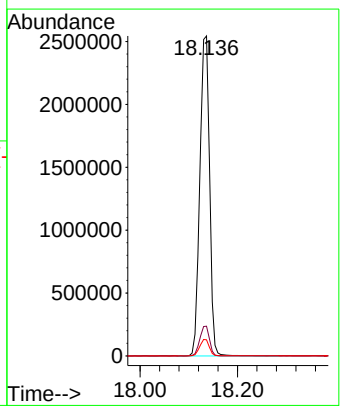


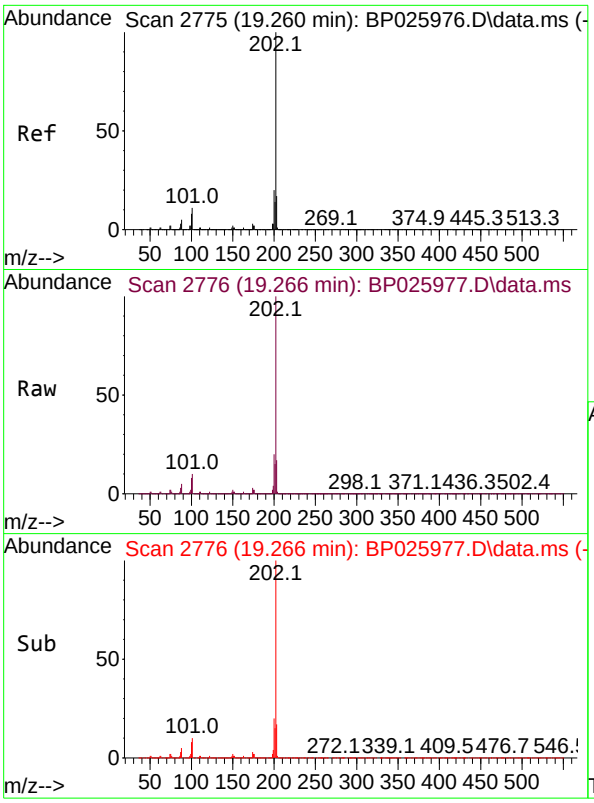


#74
Di-n-butylphthalate
Concen: 49.817 ng
RT: 18.136 min Scan# 2584
Delta R.T. 0.018 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:149 Resp: 3506185

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	5.0	4.1	6.1



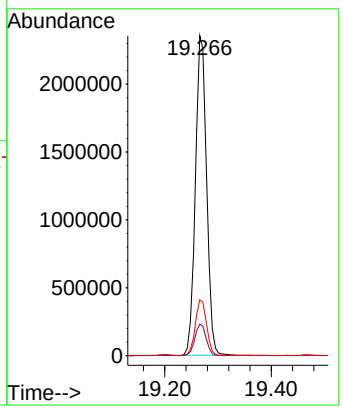


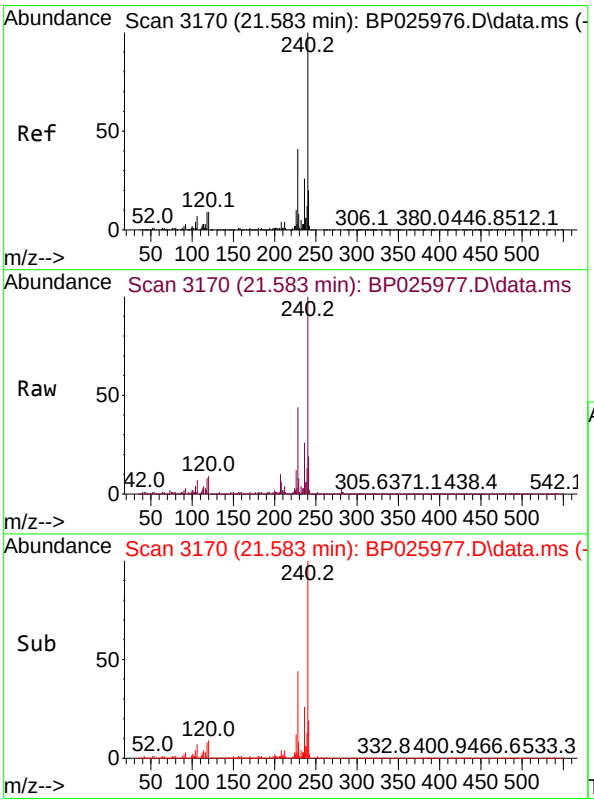
#75
Fluoranthene
Concen: 48.096 ng
RT: 19.266 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 3445596

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.5
203	17.4	0.0	37.1

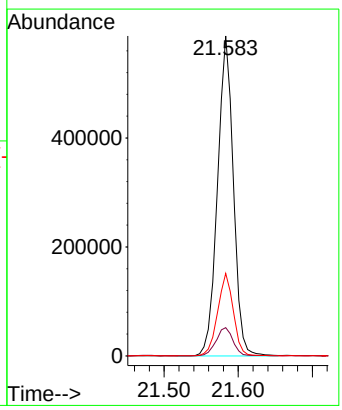


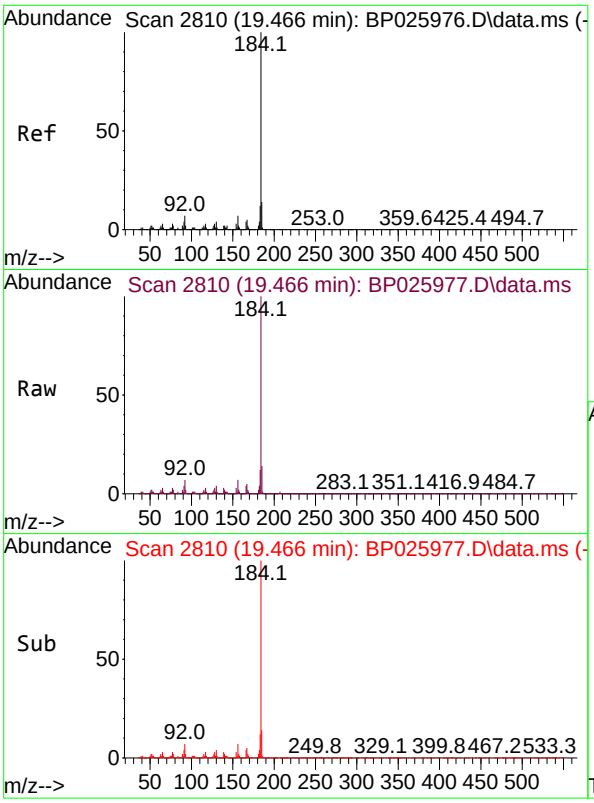


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3170
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:240 Resp: 871452

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.4	11.0
236	25.8	20.4	30.6



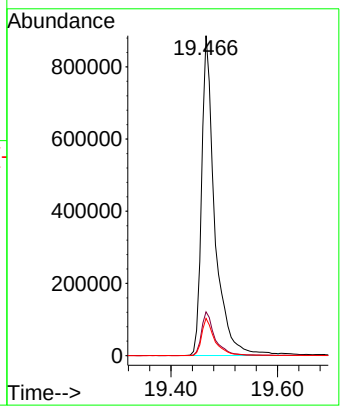


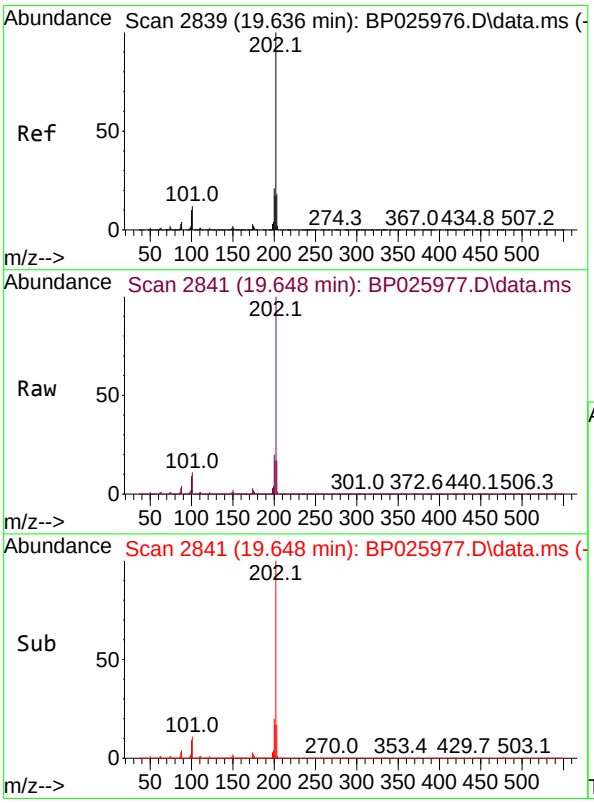
#77
Benzidine
Concen: 54.574 ng
RT: 19.466 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1523861

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.4	17.0
183	11.7	9.4	14.2

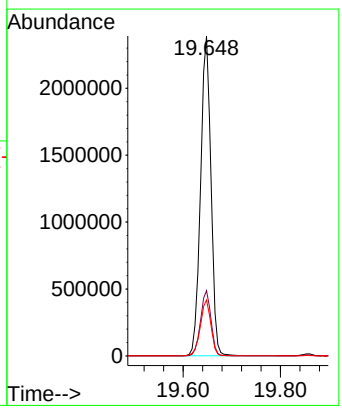


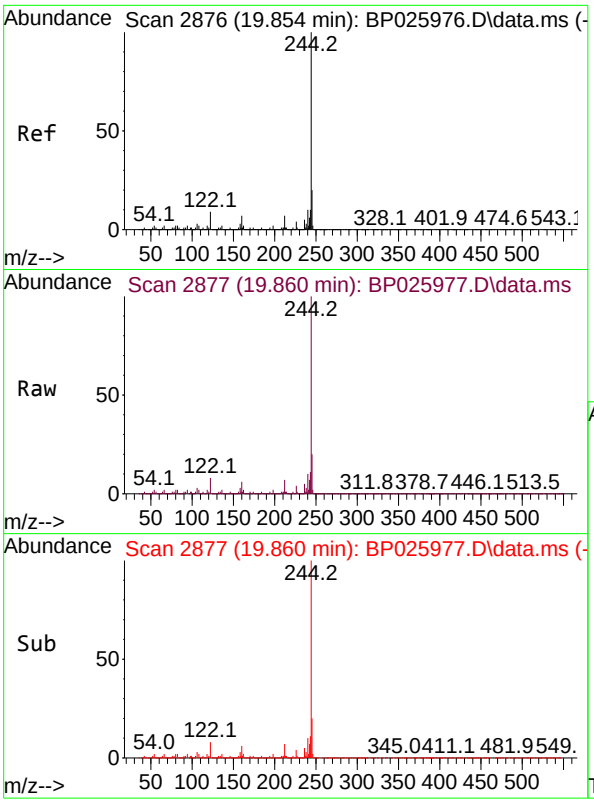


#78
Pyrene
Concen: 54.986 ng
RT: 19.648 min Scan# 2841
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:202 Resp: 3534159

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	25.0
203	17.5	14.1	21.1



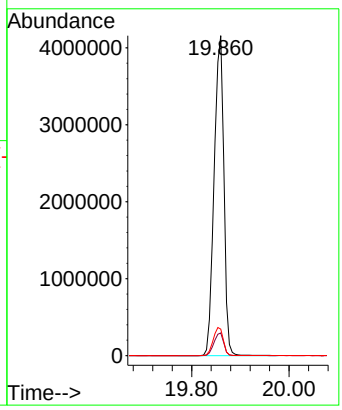


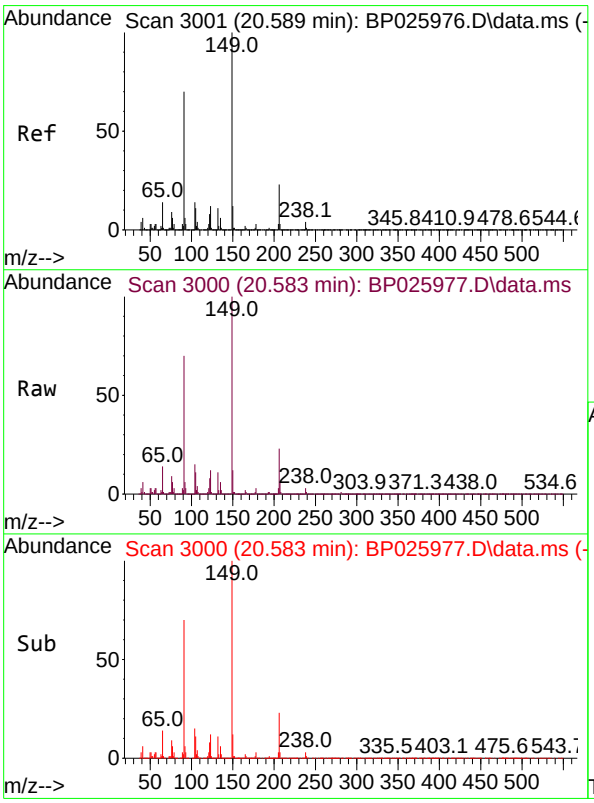
#79
Terphenyl-d14
Concen: 105.747 ng
RT: 19.860 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 5766146

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	8.3	7.1	10.7

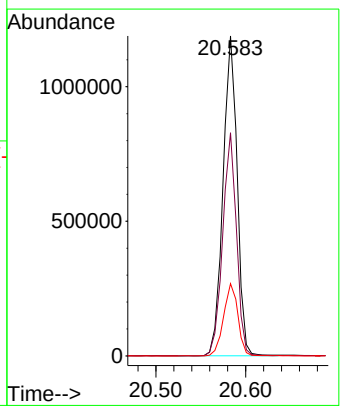


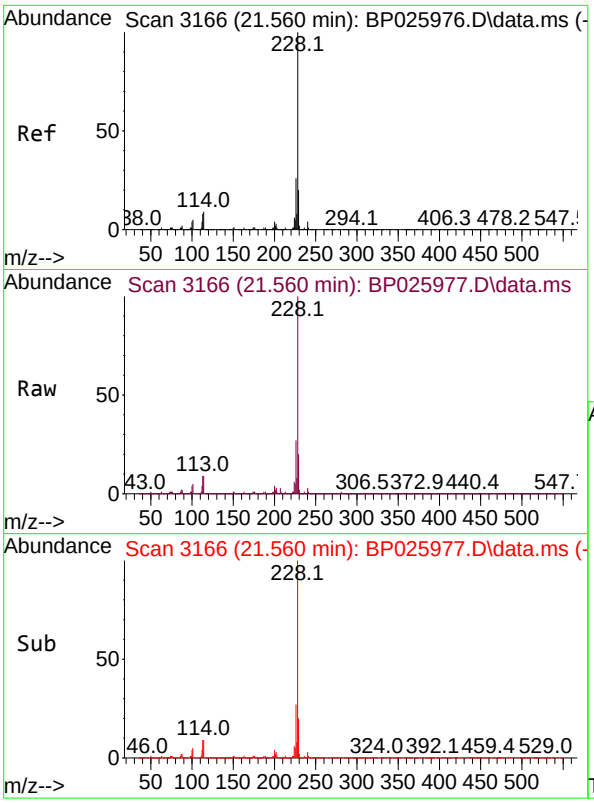


#80
Butylbenzylphthalate
Concen: 50.994 ng
RT: 20.583 min Scan# 3000
Delta R.T. -0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:149 Resp: 1304314

Ion	Ratio	Lower	Upper
149	100		
91	69.7	56.0	84.0
206	22.6	18.6	27.8



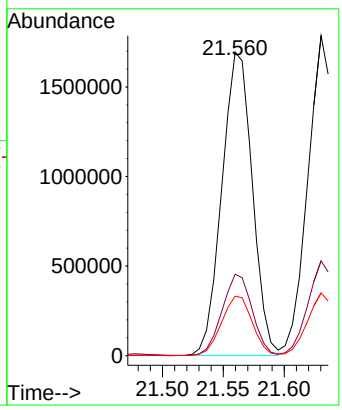


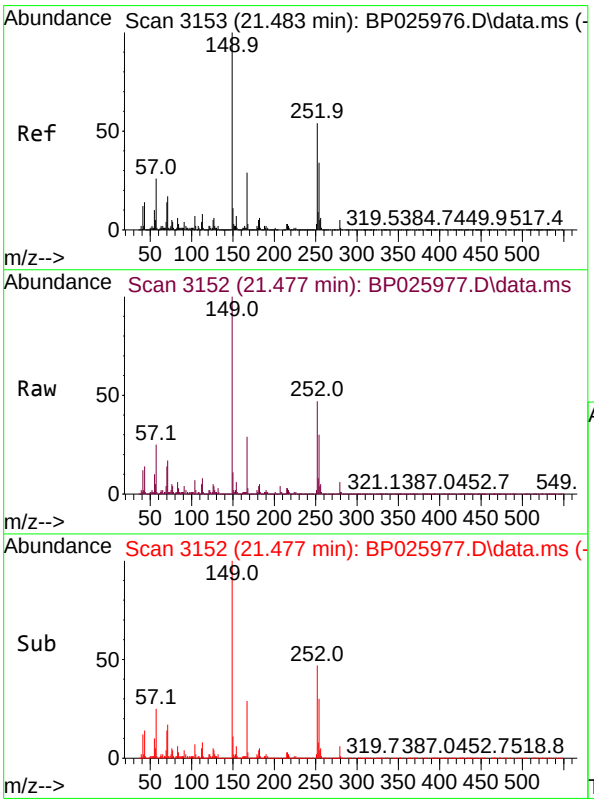
#81
Benzo(a)anthracene
Concen: 49.517 ng
RT: 21.560 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 2951319

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.0	31.6
229	19.6	15.7	23.5

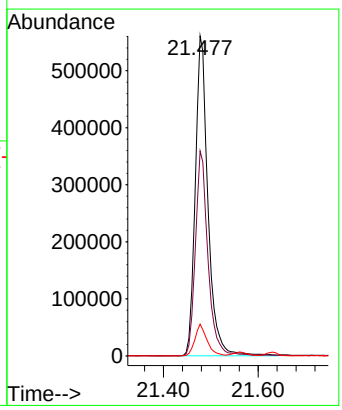


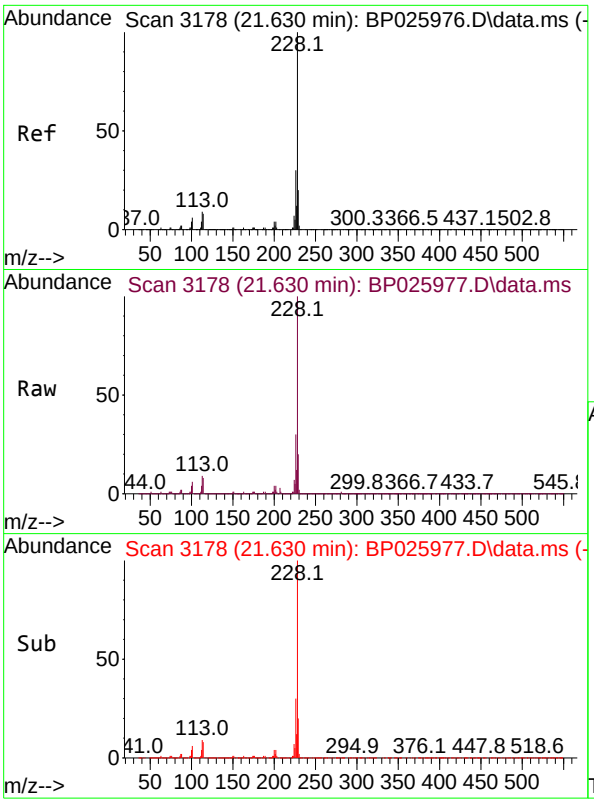


#82
3,3'-Dichlorobenzidine
Concen: 49.162 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:252 Resp: 1042746

Ion	Ratio	Lower	Upper
252	100		
254	64.0	50.6	75.8
126	9.9	8.0	12.0



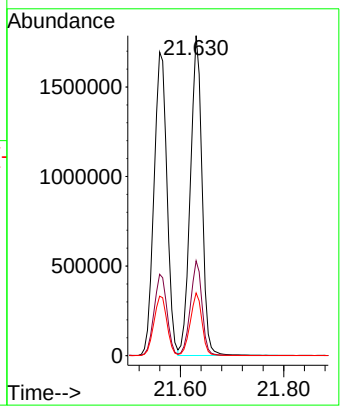


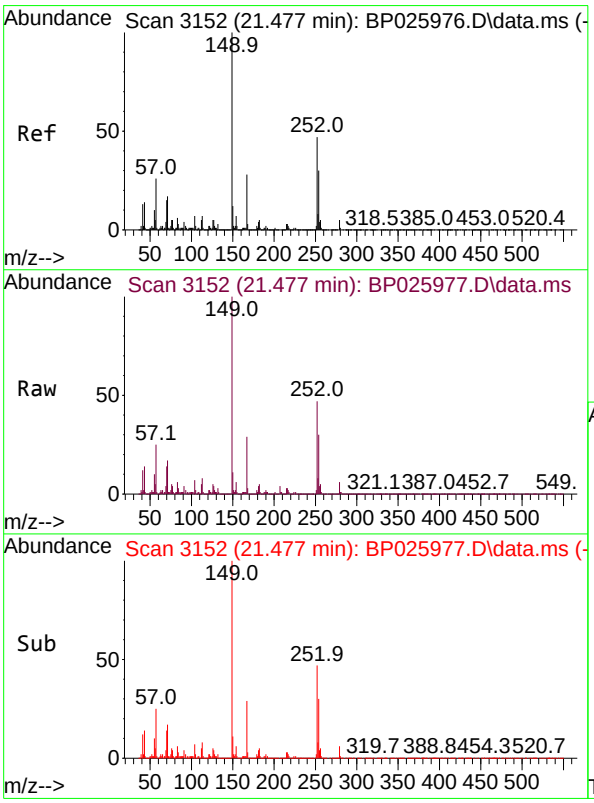
#83
Chrysene
Concen: 48.993 ng
RT: 21.630 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 2792071

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.5	35.3
229	19.6	15.6	23.4

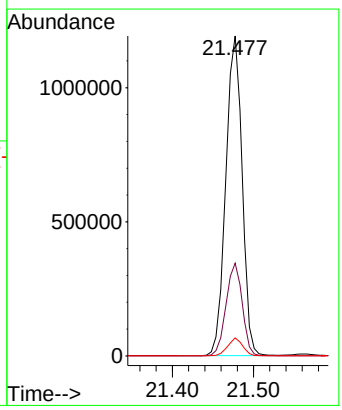


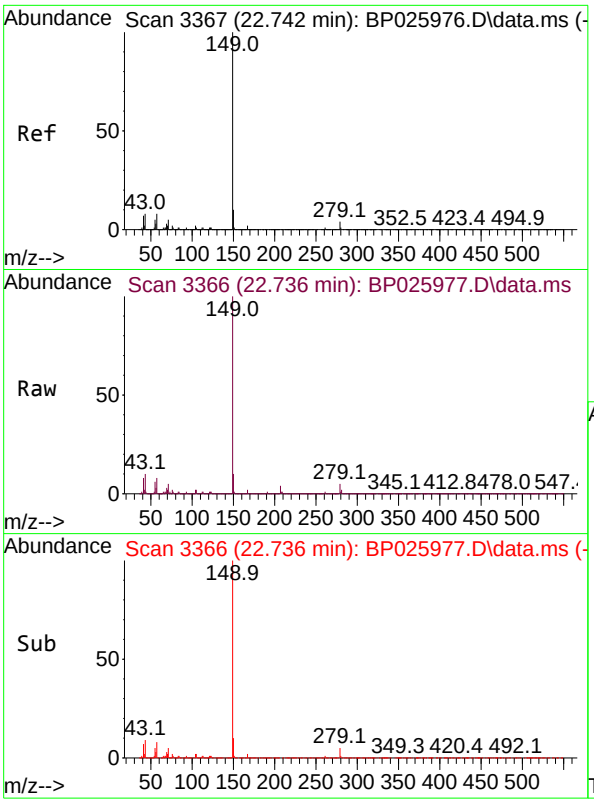


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.192 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.000 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:149 Resp: 1666377

Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.8	34.2
279	5.6	3.8	5.8



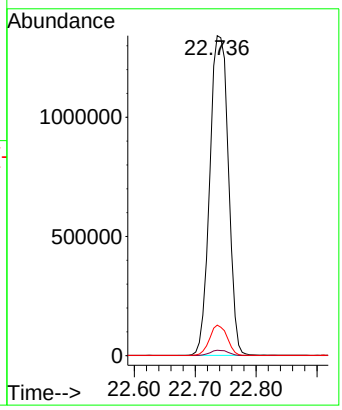


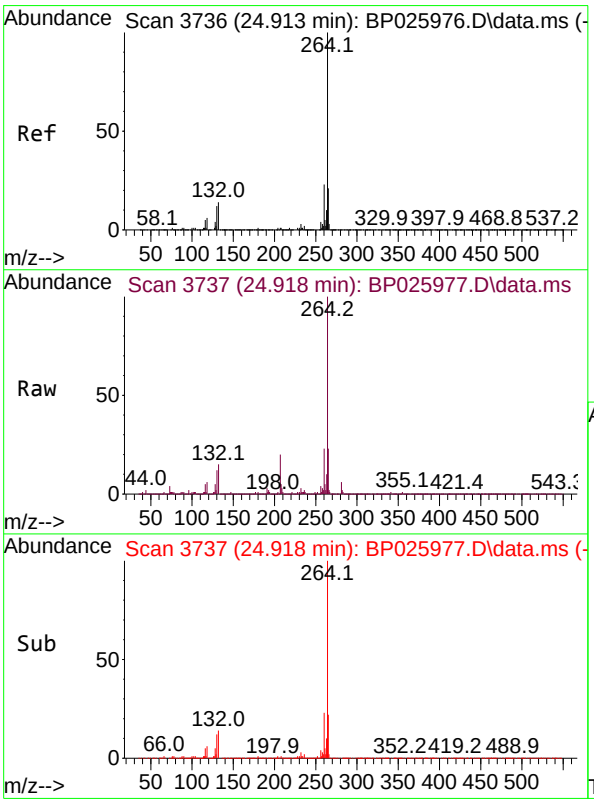
#85
Di-n-octyl phthalate
Concen: 47.297 ng
RT: 22.736 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 2851700

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.0	7.2	10.8

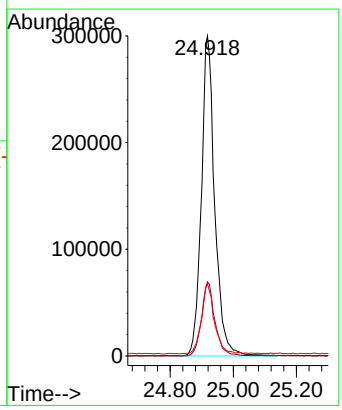


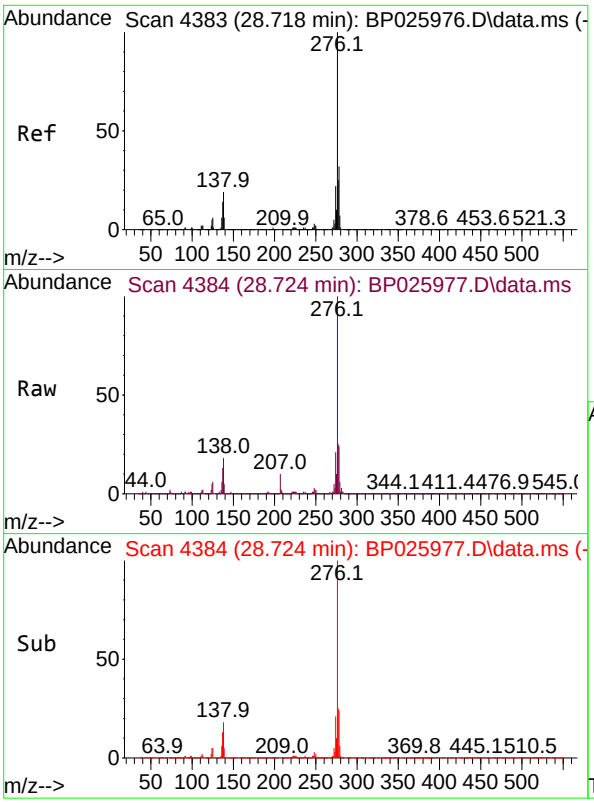


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 3737
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:264 Resp: 881011

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	22.6	17.7	26.5



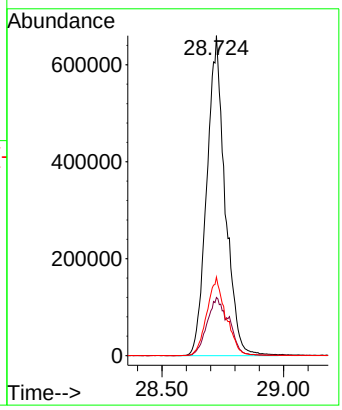


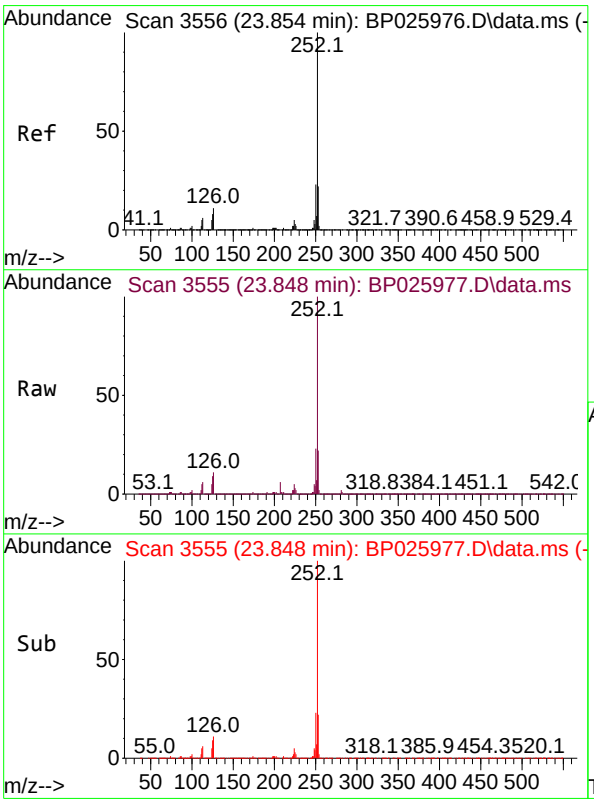
#87
Indeno(1,2,3-cd)pyrene
Concen: 52.065 ng
RT: 28.724 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 3455324

Ion	Ratio	Lower	Upper
276	100		
138	21.6	17.4	26.0
277	25.4	20.3	30.5

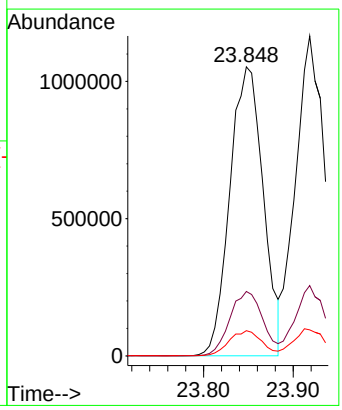


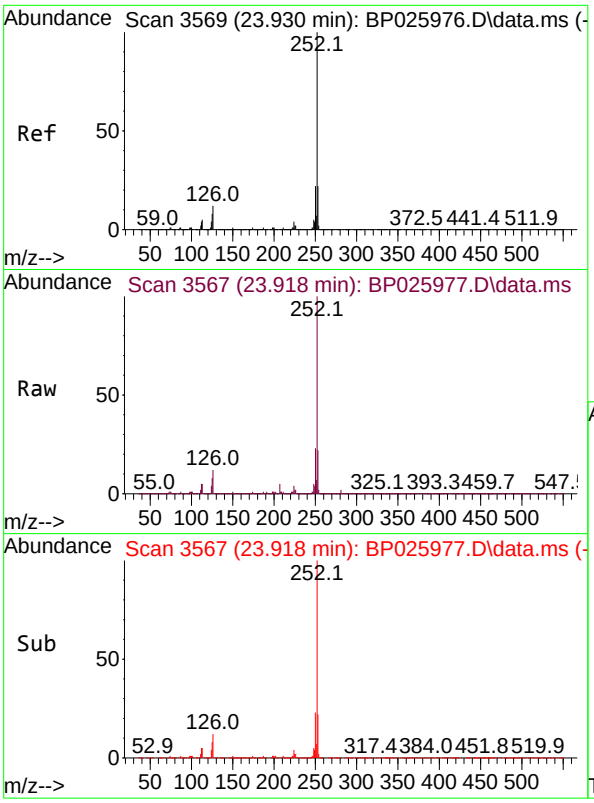


#88
Benzo(b)fluoranthene
Concen: 49.655 ng
RT: 23.848 min Scan# 3555
Delta R.T. -0.006 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:252 Resp: 2724501

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	8.7	6.8	10.2



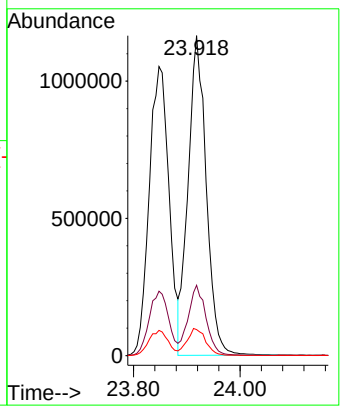


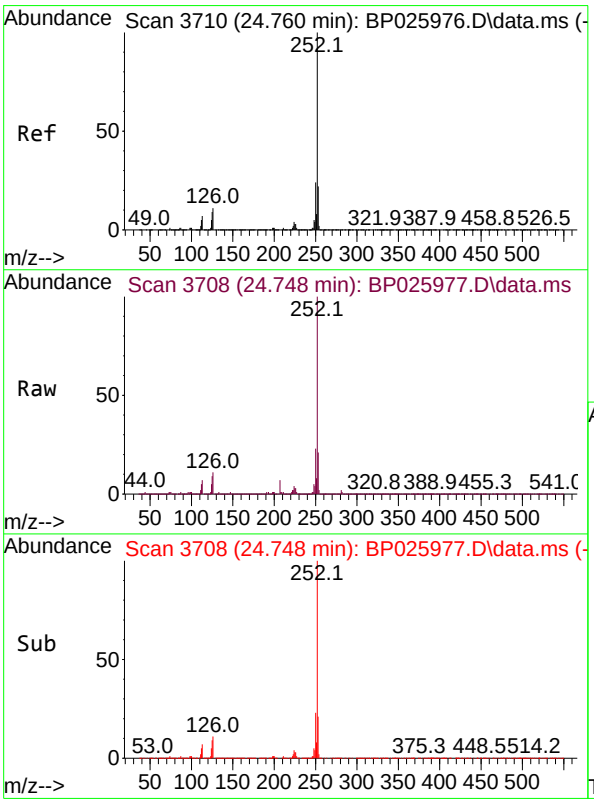
#89
Benzo(k)fluoranthene
Concen: 49.471 ng
RT: 23.918 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 2754833

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	8.1	6.6	10.0

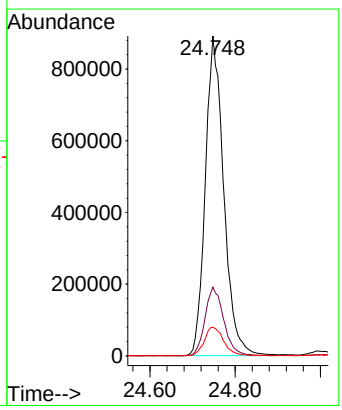


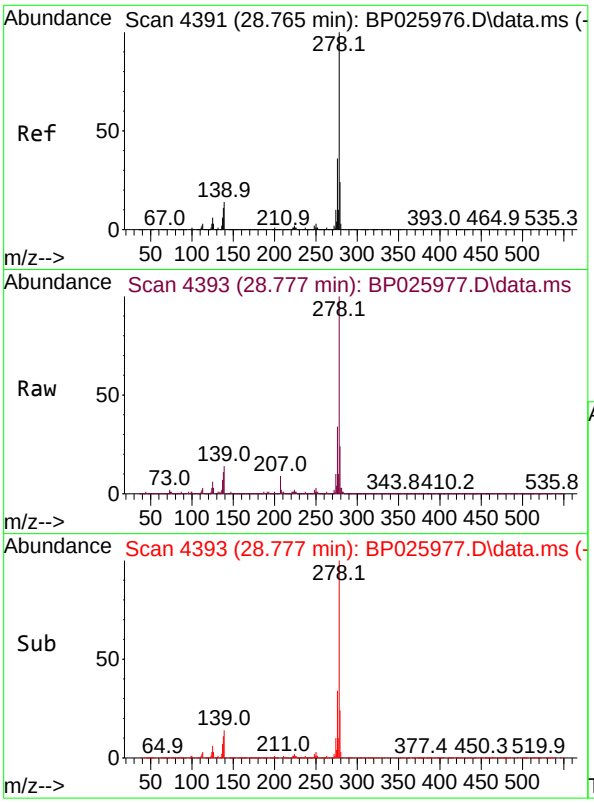


#90
Benzo(a)pyrene
Concen: 50.138 ng
RT: 24.748 min Scan# 3708
Delta R.T. -0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:252 Resp: 2672977

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	8.9	7.4	11.2



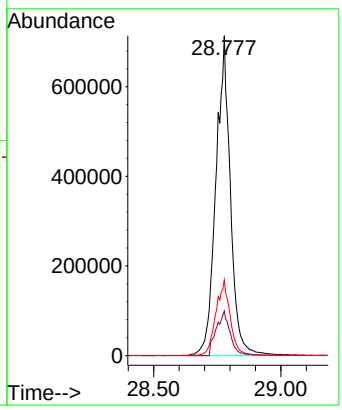


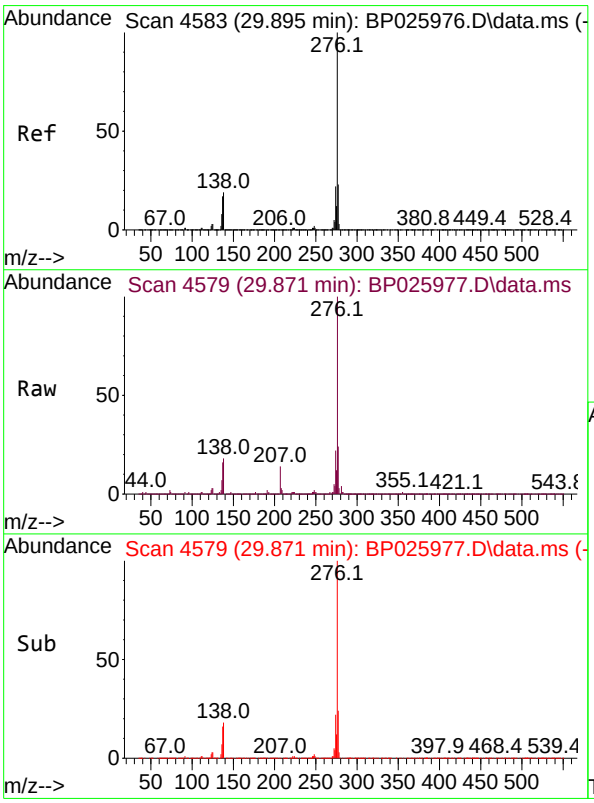
#91
Dibenzo(a,h)anthracene
Concen: 52.155 ng
RT: 28.777 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 2821593

Ion	Ratio	Lower	Upper
278	100		
139	13.9	10.9	16.3
279	23.6	19.5	29.3

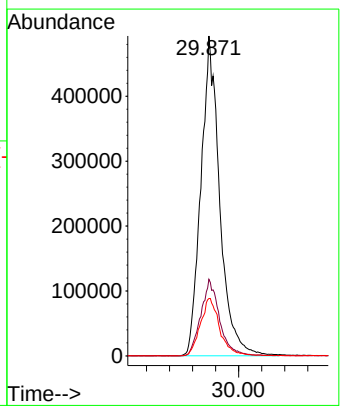




#92
Benzo(g,h,i)perylene
Concen: 52.651 ng
RT: 29.871 min Scan# 4579
Delta R.T. -0.024 min
Lab File: BP025977.D
Acq: 15 Oct 2025 15:51

Tgt Ion:276 Resp: 2790868

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	17.9	15.5	23.3



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025978.D
Acq On : 15 Oct 2025 17:13
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Oct 15 23:11:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.696	152	207121	20.000	ng		0.00
21) Naphthalene-d8	10.460	136	917814	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	635446	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1266860	20.000	ng		0.00
76) Chrysene-d12	21.583	240	1000938	20.000	ng		0.00
86) Perylene-d12	24.913	264	977865	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.337	112	1510358	119.557	ng		0.00
7) Phenol-d6	6.908	99	2143630	121.592	ng		0.00
23) Nitrobenzene-d5	8.849	82	2418063	118.419	ng		0.00
42) 2,4,6-Tribromophenol	15.848	330	1077756	125.986	ng		0.00
45) 2-Fluorobiphenyl	12.931	172	5452201	109.974	ng		0.00
79) Terphenyl-d14	19.860	244	7593058	121.237	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.249	88	268190	53.595	ng		100
3) Pyridine	3.649	79	826826	59.212	ng		99
4) n-Nitrosodimethylamine	3.561	42	360901	58.974	ng		98
6) Aniline	7.043	93	1442954	61.137	ng		98
8) 2-Chlorophenol	7.284	128	884353	60.405	ng		100
9) Benzaldehyde	6.861	77	528119	56.137	ng		99
10) Phenol	6.931	94	1124432	63.171	ng		99
11) bis(2-Chloroethyl)ether	7.137	93	879603	60.605	ng		99
12) 1,3-Dichlorobenzene	7.590	146	939636	57.890	ng		100
13) 1,4-Dichlorobenzene	7.731	146	960841	58.101	ng		99
14) 1,2-Dichlorobenzene	8.049	146	937197	57.930	ng		98
15) Benzyl Alcohol	7.955	79	912359	60.802	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.219	45	1305875	58.428	ng		100
17) 2-Methylphenol	8.160	107	782114	61.302	ng		99
18) Hexachloroethane	8.760	117	361663	57.308	ng		97
19) n-Nitroso-di-n-propyla...	8.502	70	762006	60.632	ng		99
20) 3+4-Methylphenols	8.484	107	1055951	59.400	ng		97
22) Acetophenone	8.519	105	1473523	59.055	ng	#	98
24) Nitrobenzene	8.890	77	1084935	59.748	ng		98
25) Isophorone	9.419	82	2187867	59.657	ng		100
26) 2-Nitrophenol	9.596	139	556761	63.312	ng		100
27) 2,4-Dimethylphenol	9.666	122	905215	60.745	ng		98
28) bis(2-Chloroethoxy)met...	9.878	93	1289741	60.118	ng		98
29) 2,4-Dichlorophenol	10.143	162	925728	62.345	ng		98
30) 1,2,4-Trichlorobenzene	10.331	180	985889	58.648	ng		99
31) Naphthalene	10.513	128	2879306	58.155	ng		100
32) Benzoic acid	9.925	122	715383	66.121	ng		99
33) 4-Chloroaniline	10.637	127	1307885	62.204	ng		98
34) Hexachlorobutadiene	10.790	225	650093	58.435	ng		100
35) Caprolactam	11.478	113	333061	63.032	ng		96
36) 4-Chloro-3-methylphenol	11.784	107	1074230	61.622	ng		97
37) 2-Methylnaphthalene	12.119	142	1898400	58.563	ng		99
38) 1-Methylnaphthalene	12.348	142	1992258	58.266	ng		98
40) 1,2,4,5-Tetrachloroben...	12.496	216	1209113	58.434	ng		100
41) Hexachlorocyclopentadiene	12.466	237	697307	58.710	ng		99
43) 2,4,6-Trichlorophenol	12.748	196	810705	61.726	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025978.D
Acq On : 15 Oct 2025 17:13
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Oct 15 23:11:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

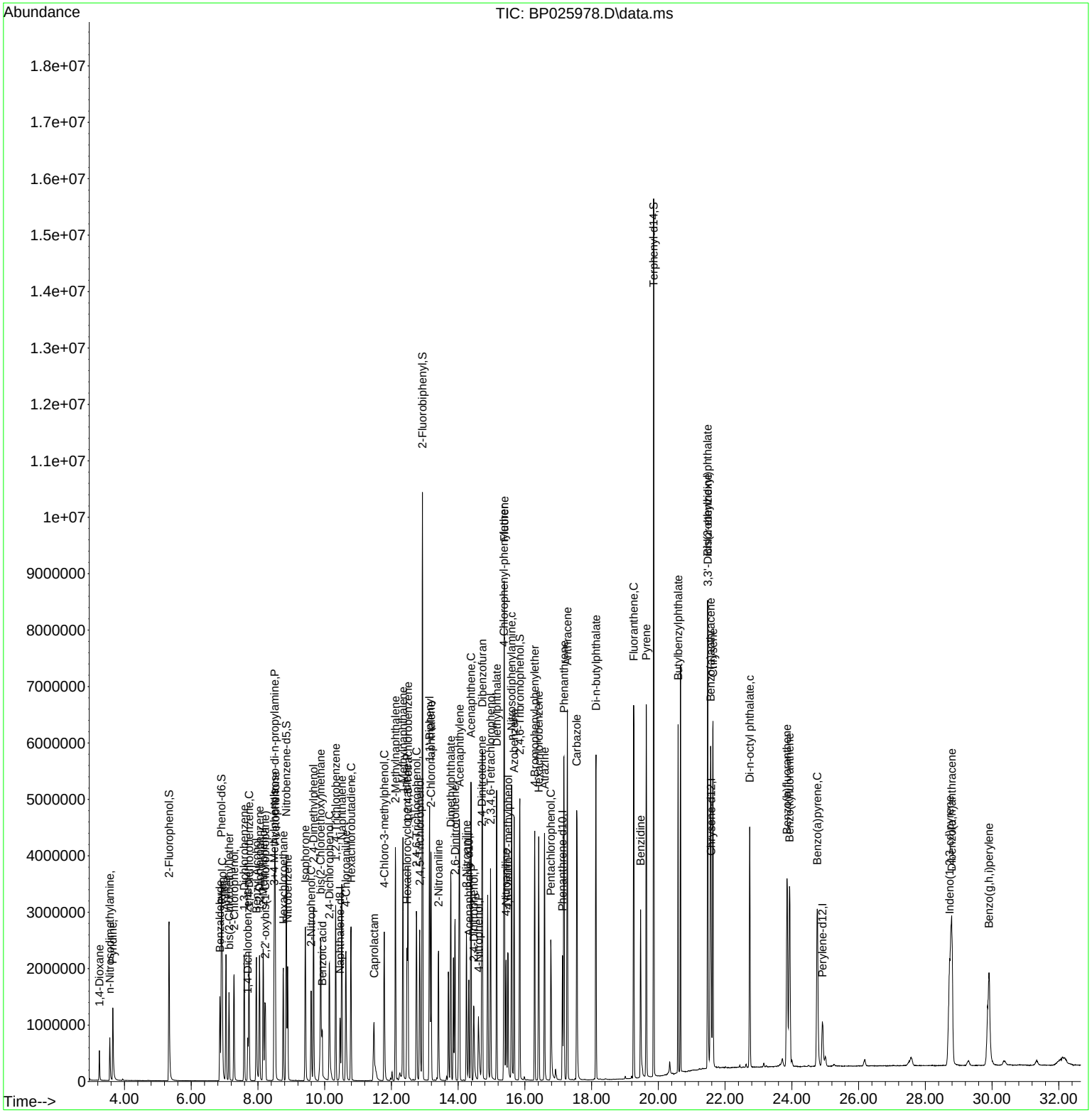
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.848	196	874208	61.125	ng		99
46) 1,1'-Biphenyl	13.143	154	2788881	58.101	ng		99
47) 2-Chloronaphthalene	13.184	162	2171753	57.865	ng		99
48) 2-Nitroaniline	13.413	65	731080	62.499	ng		98
49) Acenaphthylene	14.042	152	3484718	57.423	ng		99
50) Dimethylphthalate	13.778	163	2850681	59.352	ng		100
51) 2,6-Dinitrotoluene	13.907	165	633734	61.110	ng		99
52) Acenaphthene	14.384	154	2015028	57.502	ng		100
53) 3-Nitroaniline	14.248	138	658648	64.532	ng		99
54) 2,4-Dinitrophenol	14.466	184	419714	60.945	ng		97
55) Dibenzofuran	14.725	168	3180822	56.687	ng		99
56) 4-Nitrophenol	14.607	139	436129	69.625	ng		98
57) 2,4-Dinitrotoluene	14.707	165	878055	62.487	ng		92
58) Fluorene	15.384	166	2561731	56.817	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.972	232	798707	62.238	ng		99
60) Diethylphthalate	15.154	149	2806056	59.253	ng		100
61) 4-Chlorophenyl-phenyle...	15.372	204	1374892	57.989	ng		100
62) 4-Nitroaniline	15.437	138	613935	65.273	ng		98
63) Azobenzene	15.678	77	2611029	59.152	ng		99
65) 4,6-Dinitro-2-methylph...	15.495	198	581359	63.494	ng		99
66) n-Nitrosodiphenylamine	15.601	169	2320393	56.929	ng		99
67) 4-Bromophenyl-phenylether	16.295	248	906674	57.984	ng		99
68) Hexachlorobenzene	16.413	284	1024919	58.427	ng		98
69) Atrazine	16.589	200	888612	60.433	ng		98
70) Pentachlorophenol	16.778	266	603630	64.950	ng		97
71) Phenanthrene	17.172	178	4105577	57.180	ng		99
72) Anthracene	17.272	178	4197852	57.235	ng		100
73) Carbazole	17.554	167	3787172	58.575	ng		99
74) Di-n-butylphthalate	18.131	149	4688320	58.922	ng		100
75) Fluoranthene	19.260	202	4649285	57.404	ng		98
77) Benzidine	19.466	184	2080786	64.879	ng		100
78) Pyrene	19.636	202	4643064	62.893	ng		100
80) Butylbenzylphthalate	20.589	149	1845898	62.832	ng		99
81) Benzo(a)anthracene	21.566	228	4108604	60.016	ng		99
82) 3,3'-Dichlorobenzidine	21.483	252	1389385	57.031	ng		99
83) Chrysene	21.636	228	3758514	57.420	ng		100
84) Bis(2-ethylhexyl)phtha...	21.477	149	2319735	57.196	ng		99
85) Di-n-octyl phthalate	22.736	149	3836064	55.393	ng		100
87) Indeno(1,2,3-cd)pyrene	28.730	276	4480119	60.821	ng	#	88
88) Benzo(b)fluoranthene	23.854	252	3719143	61.069	ng		100
89) Benzo(k)fluoranthene	23.930	252	3584480	57.995	ng		99
90) Benzo(a)pyrene	24.760	252	3538984	59.807	ng		99
91) Dibenzo(a,h)anthracene	28.789	278	3677453	61.243	ng		99
92) Benzo(g,h,i)perylene	29.906	276	3589984	61.019	ng		98

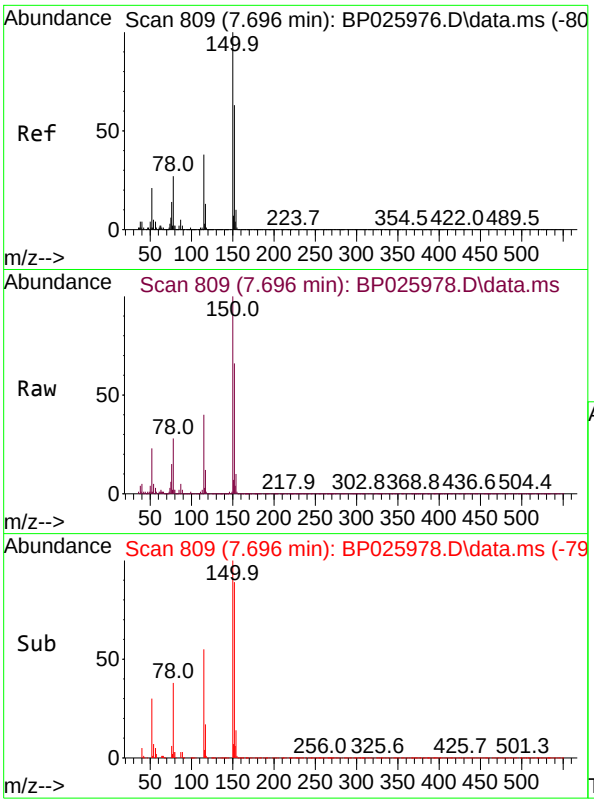
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025978.D
Acq On : 15 Oct 2025 17:13
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Oct 15 23:11:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration



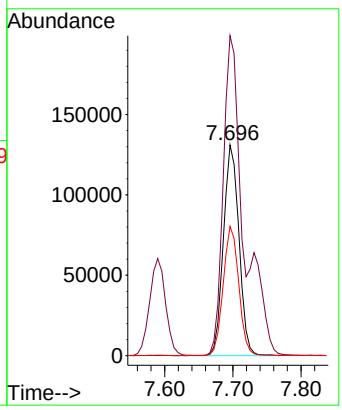


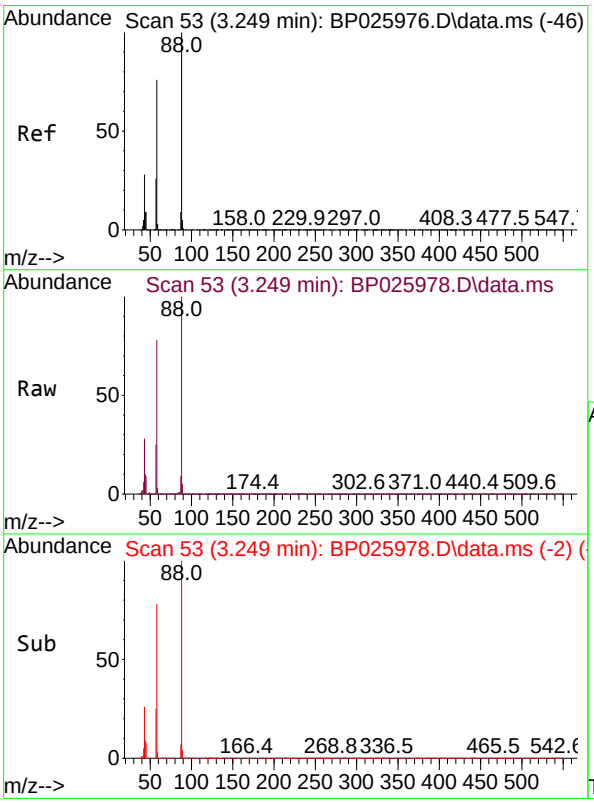
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.696 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 207121

Ion	Ratio	Lower	Upper
152	100		
150	152.0	127.3	190.9
115	61.4	48.7	73.1

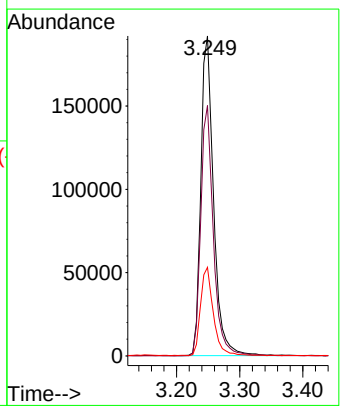


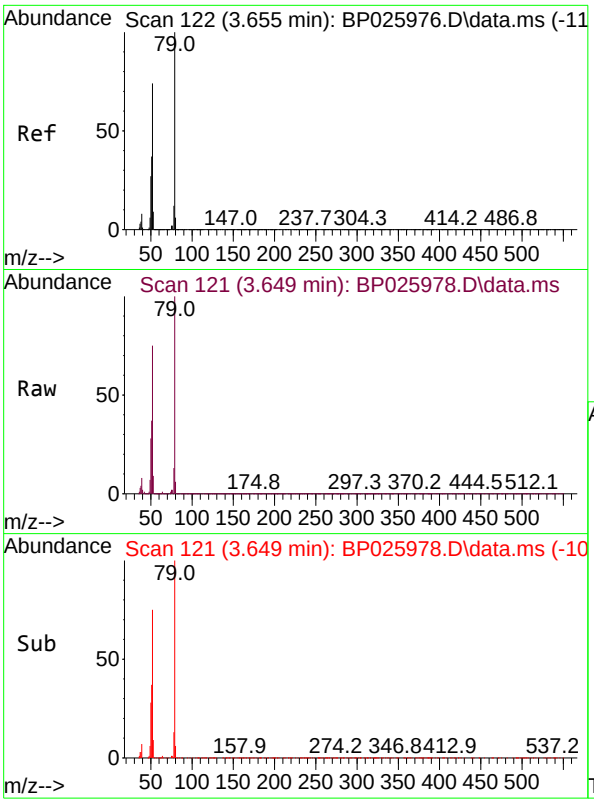


#2
1,4-Dioxane
Concen: 53.595 ng
RT: 3.249 min Scan# 53
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion: 88 Resp: 268190

Ion	Ratio	Lower	Upper
88	100		
58	77.7	61.9	92.9
43	27.9	22.6	33.8



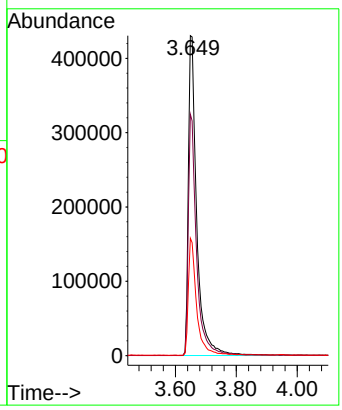


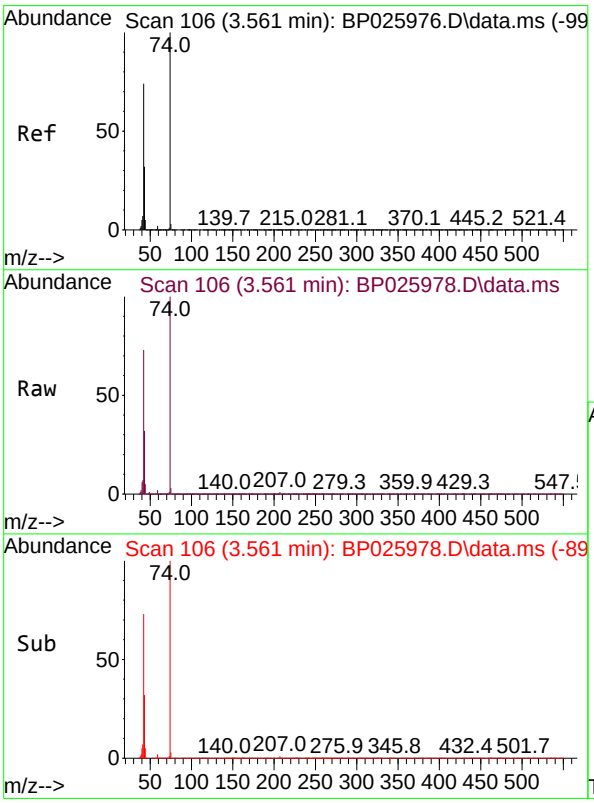
#3
Pyridine
Concen: 59.212 ng
RT: 3.649 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 826826

Ion	Ratio	Lower	Upper
79	100		
52	75.4	59.0	88.4
51	36.7	29.5	44.3

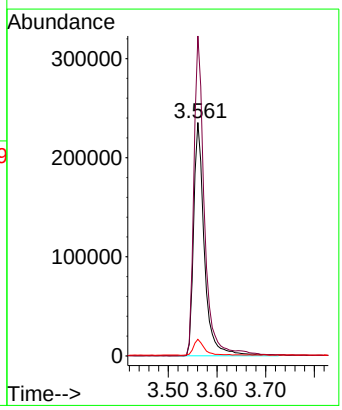


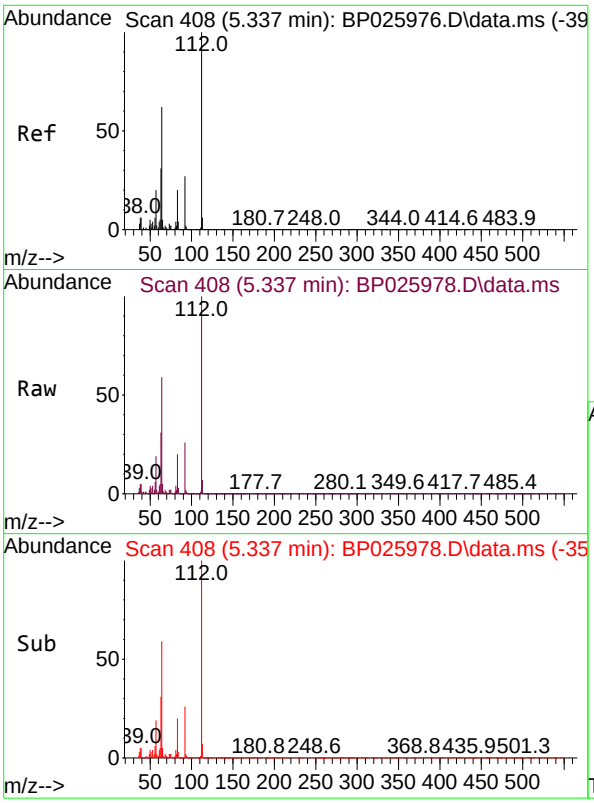


#4
n-Nitrosodimethylamine
Concen: 58.974 ng
RT: 3.561 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion: 42 Resp: 360901

Ion	Ratio	Lower	Upper
42	100		
74	137.1	107.4	161.0
44	7.1	6.0	9.0



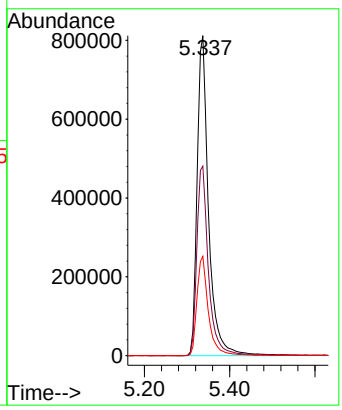


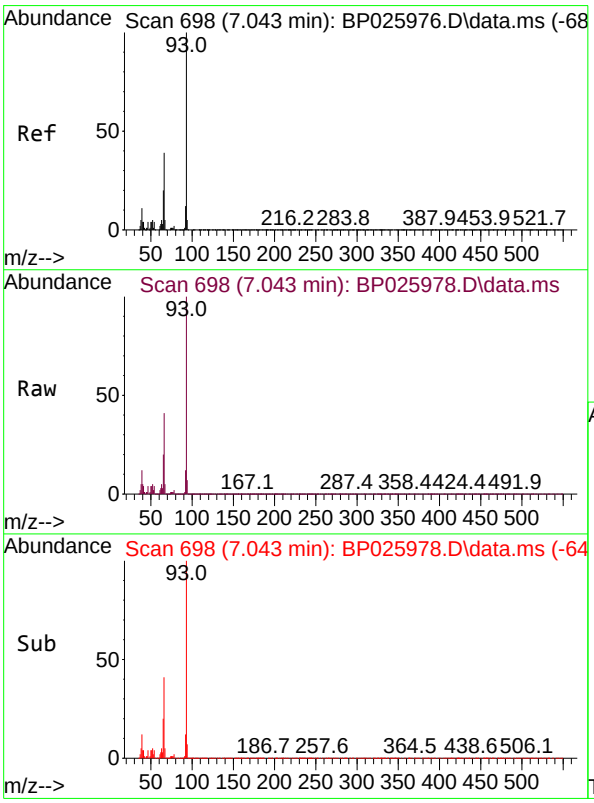
#5
2-Fluorophenol
Concen: 119.557 ng
RT: 5.337 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1510358

Ion	Ratio	Lower	Upper
112	100		
64	59.2	49.9	74.9
63	31.0	24.9	37.3

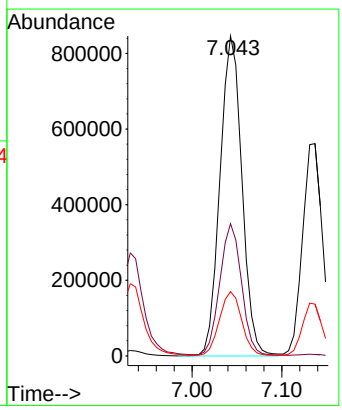


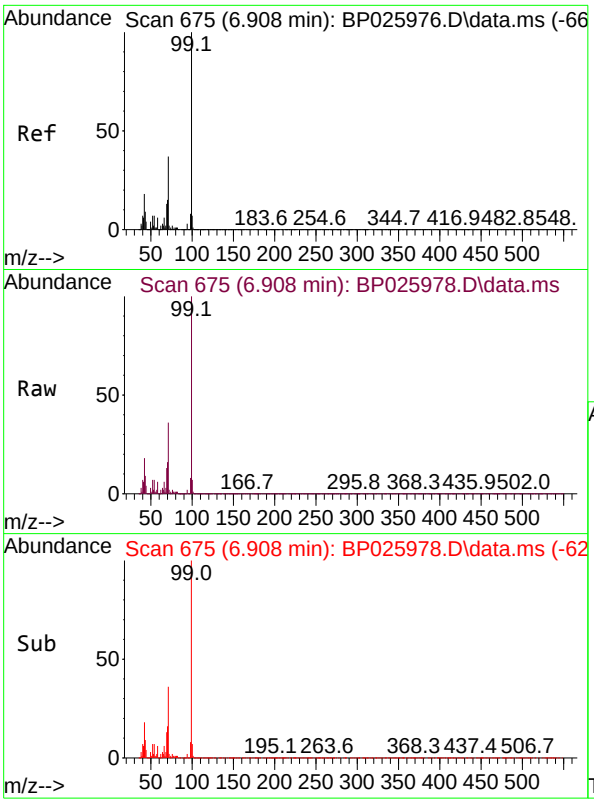


#6
Aniline
Concen: 61.137 ng
RT: 7.043 min Scan# 698
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion: 93 Resp: 1442954

Ion	Ratio	Lower	Upper
93	100		
66	41.3	31.8	47.8
65	20.1	16.3	24.5



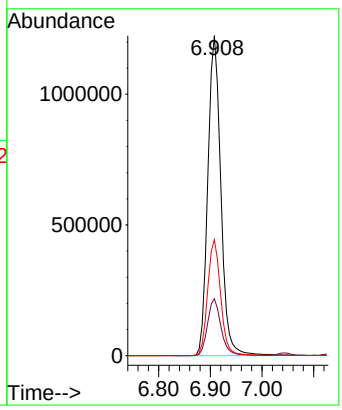


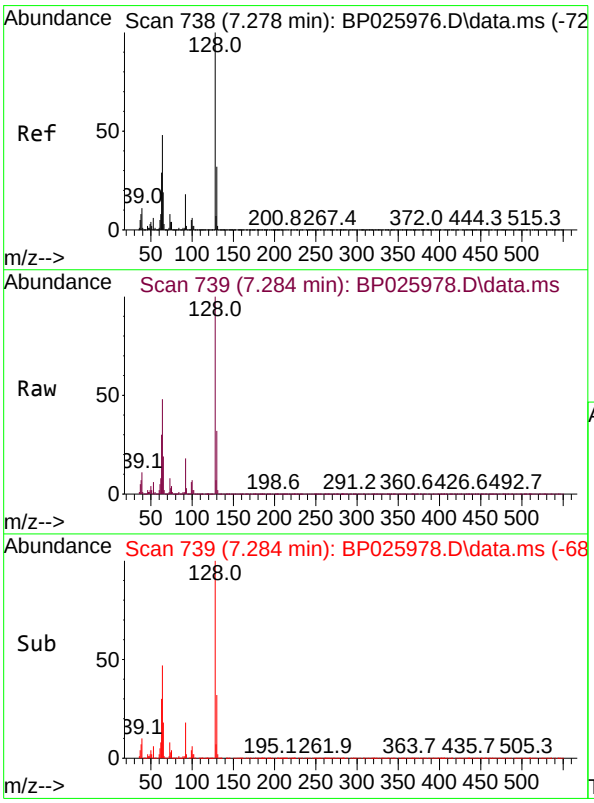
#7
Phenol-d6
Concen: 121.592 ng
RT: 6.908 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2143630

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.2	21.4
71	36.2	29.4	44.0

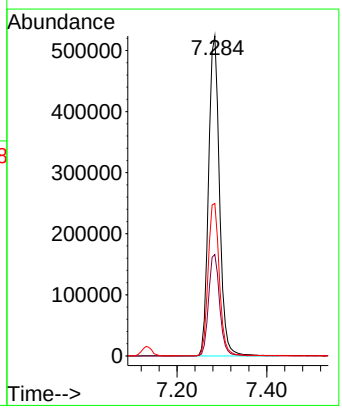


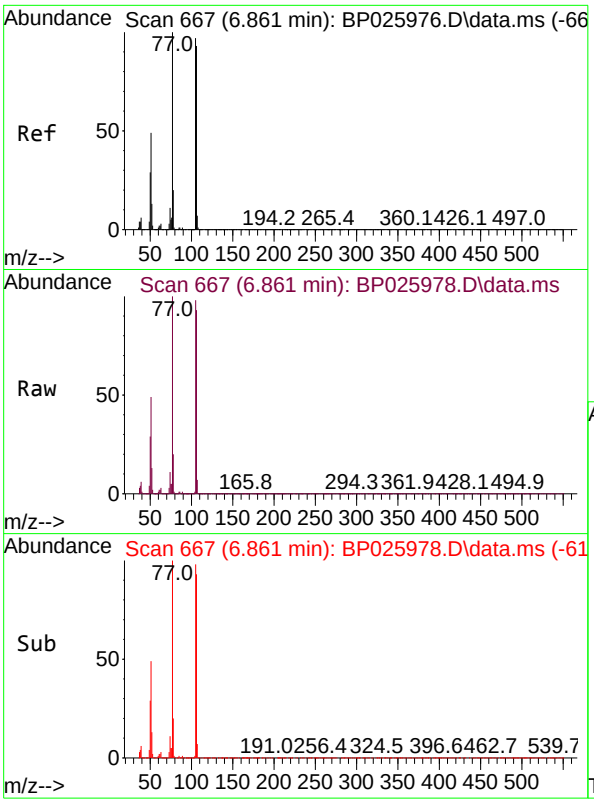


#8
2-Chlorophenol
Concen: 60.405 ng
RT: 7.284 min Scan# 739
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:128 Resp: 884353

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.8	51.8
64	47.6	28.0	68.0



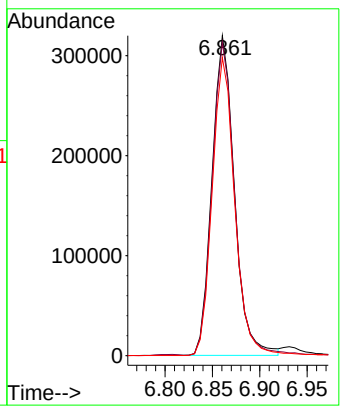


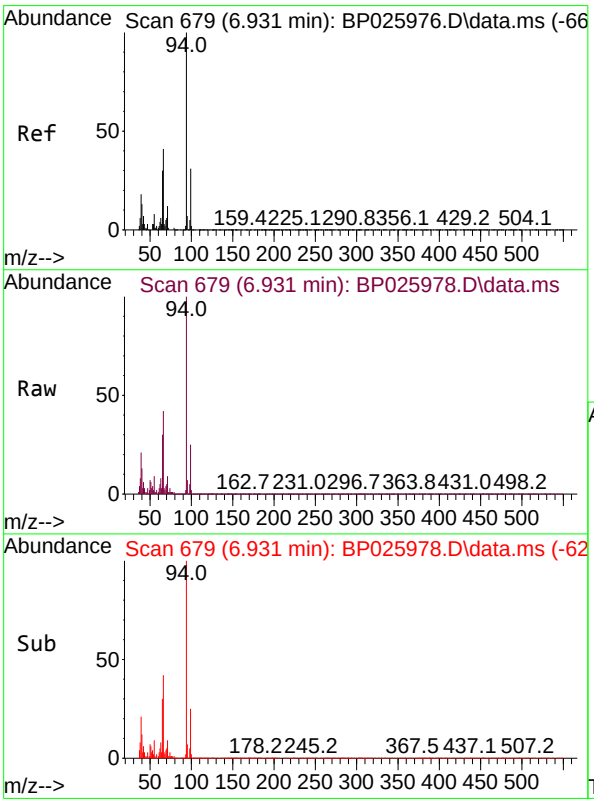
#9
Benzaldehyde
Concen: 56.137 ng
RT: 6.861 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 528119

Ion	Ratio	Lower	Upper
77	100		
105	97.9	76.6	116.6
106	93.1	73.2	113.2

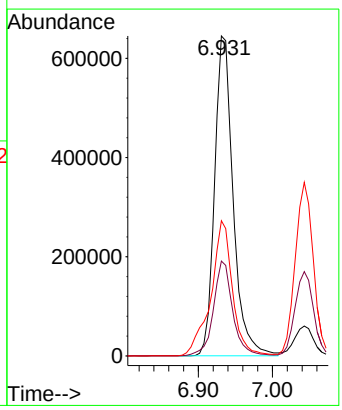


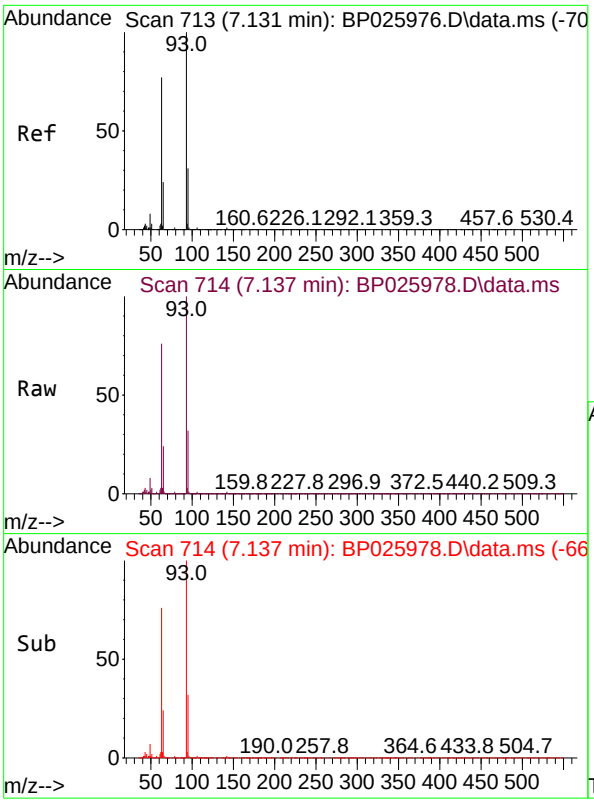


#10
Phenol
Concen: 63.171 ng
RT: 6.931 min Scan# 679
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion: 94 Resp: 1124432

Ion	Ratio	Lower	Upper
94	100		
65	29.6	9.8	49.8
66	42.2	21.4	61.4



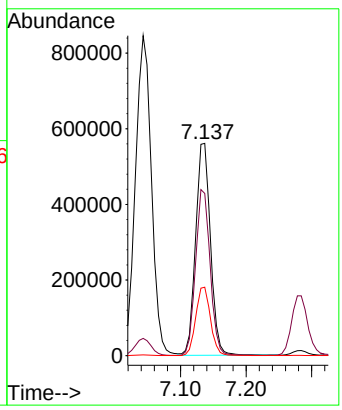


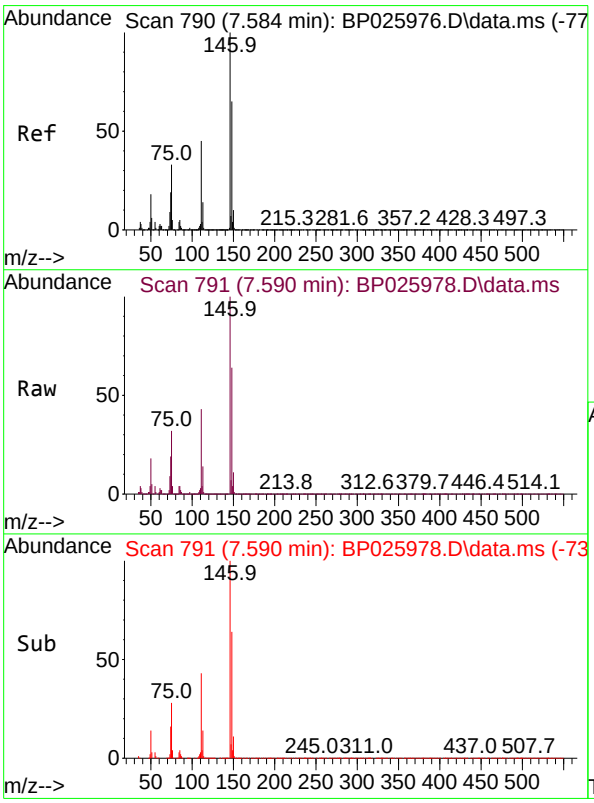
#11
bis(2-Chloroethyl)ether
Concen: 60.605 ng
RT: 7.137 min Scan# 71
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 879603

Ion	Ratio	Lower	Upper
93	100		
63	76.4	56.6	96.6
95	32.3	11.3	51.3

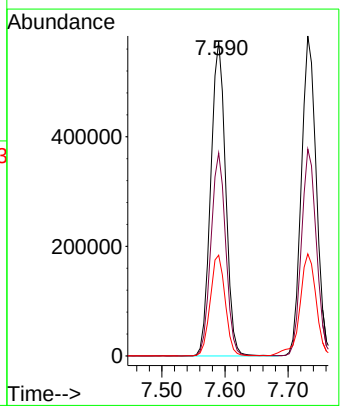


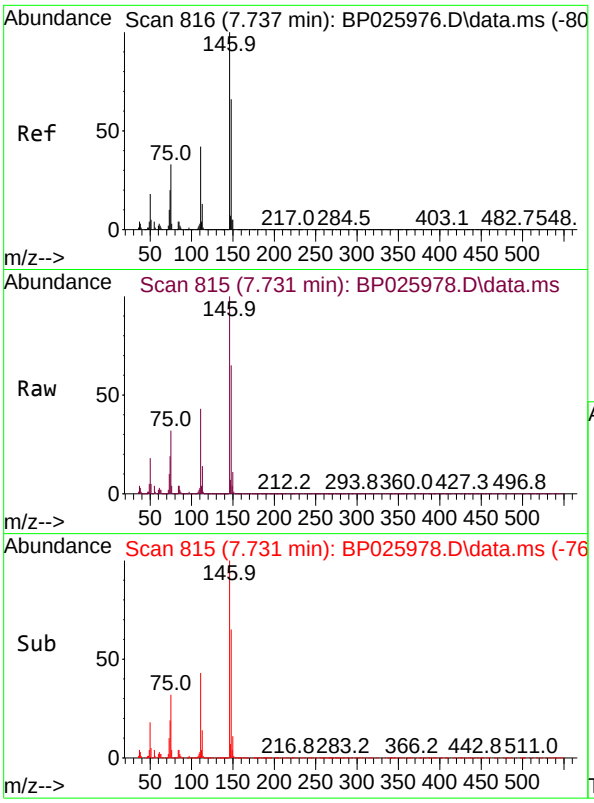


#12
1,3-Dichlorobenzene
Concen: 57.890 ng
RT: 7.590 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:146 Resp: 939636

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.7	77.5
75	32.0	26.1	39.1



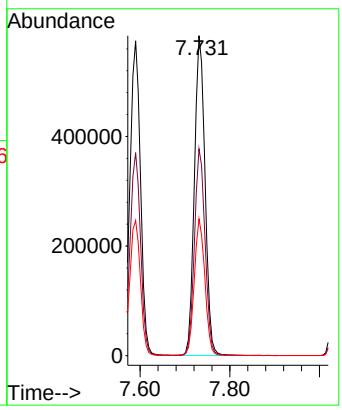


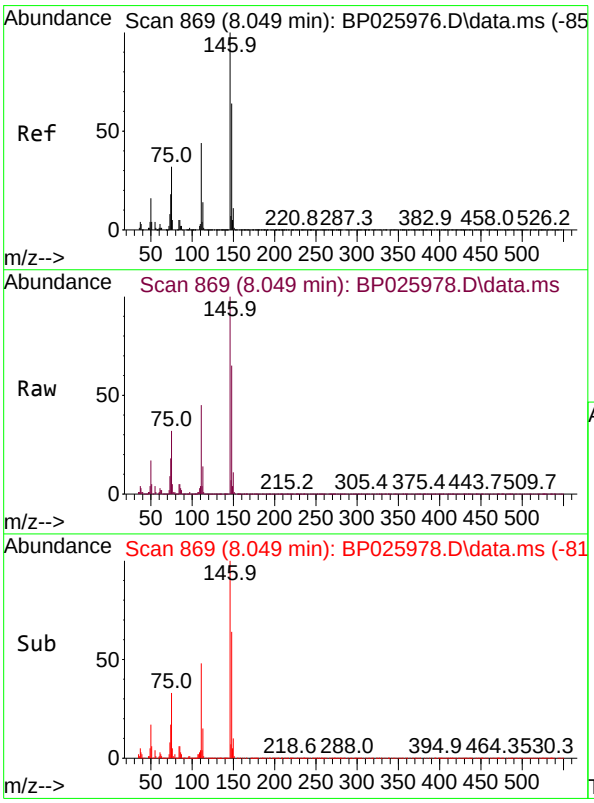
#13
1,4-Dichlorobenzene
Concen: 58.101 ng
RT: 7.731 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 960841

Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.7	79.1
111	42.7	34.0	51.0

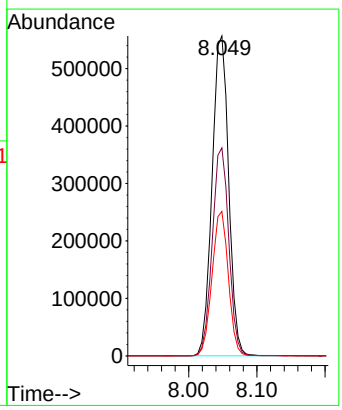


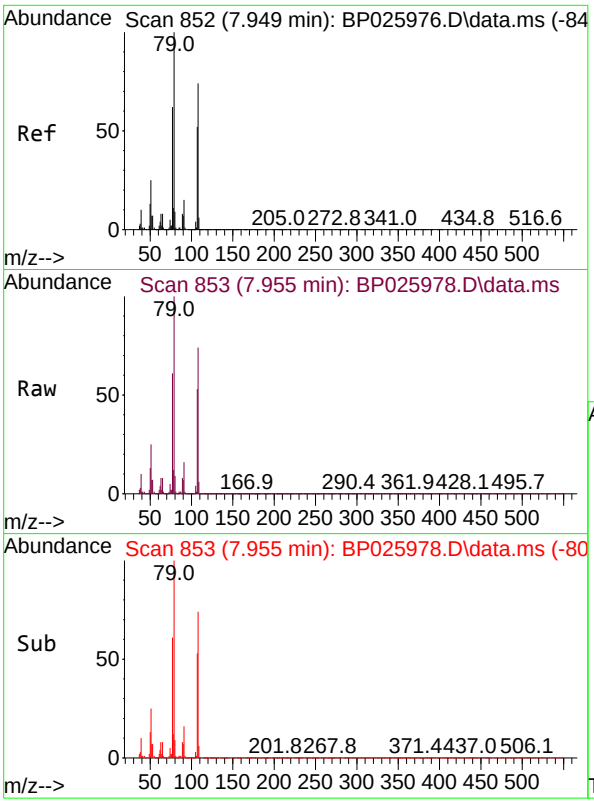


#14
1,2-Dichlorobenzene
Concen: 57.930 ng
RT: 8.049 min Scan# 869
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:146 Resp: 937197

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.0	76.6
111	45.1	35.3	52.9



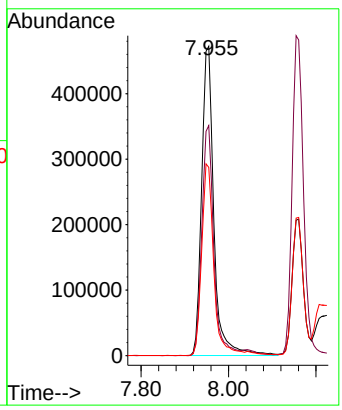


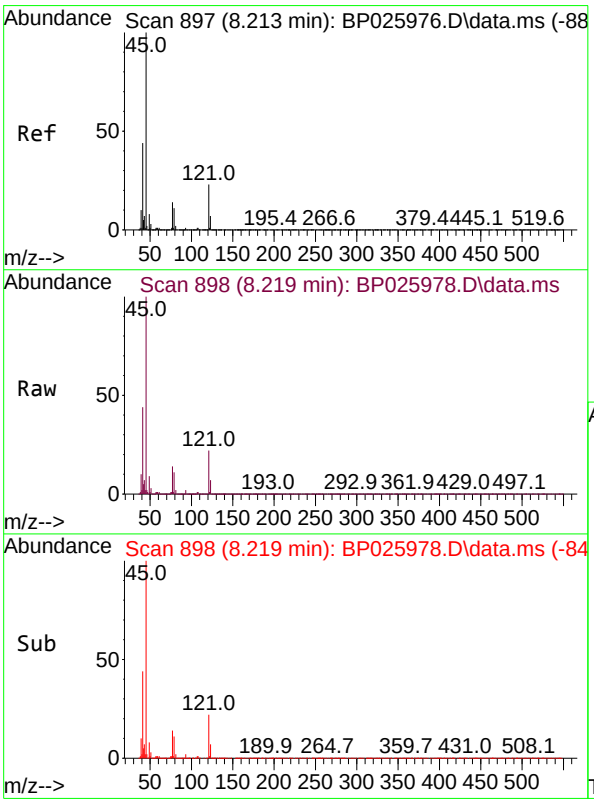
#15
Benzyl Alcohol
Concen: 60.802 ng
RT: 7.955 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 912359

Ion	Ratio	Lower	Upper
79	100		
108	74.3	59.2	88.8
77	60.9	49.3	73.9

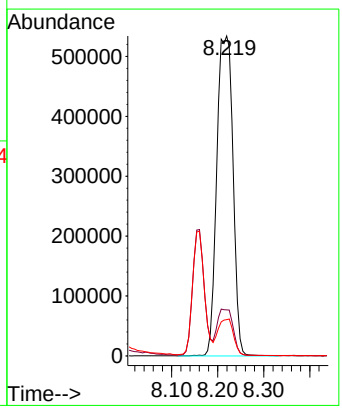


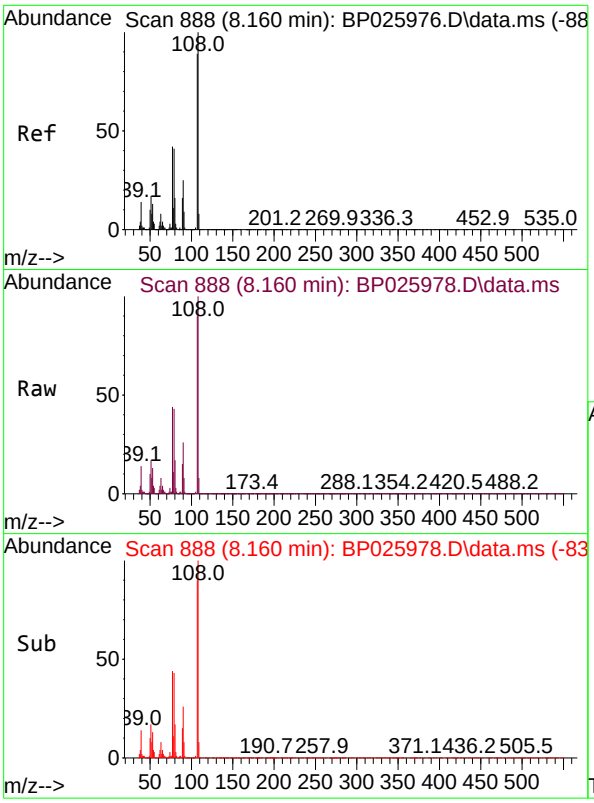


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.428 ng
RT: 8.219 min Scan# 898
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion: 45 Resp: 1305875

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	34.3
79	11.3	0.0	31.5



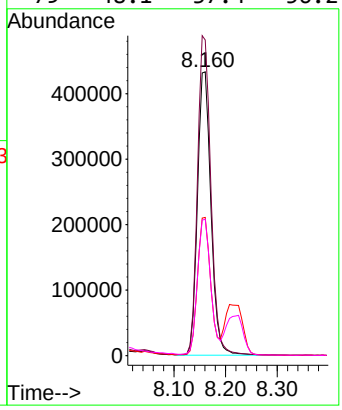


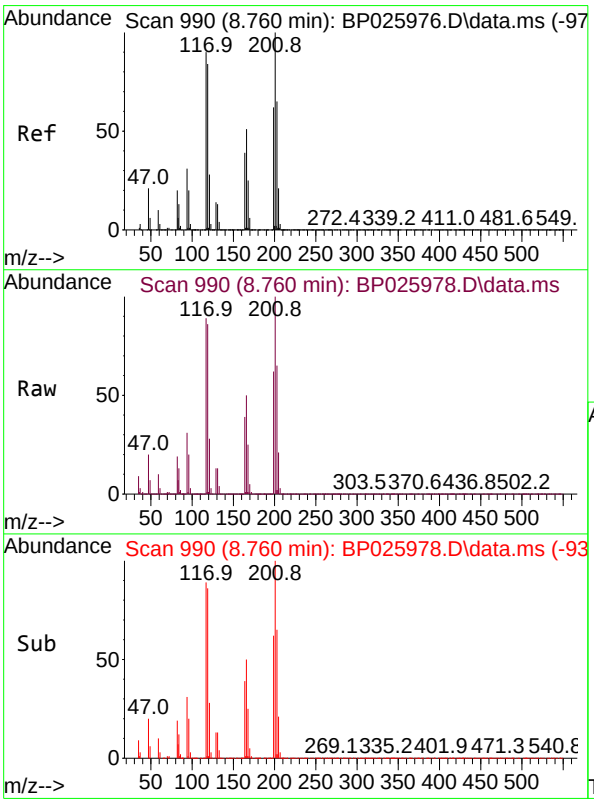
#17
2-Methylphenol
Concen: 61.302 ng
RT: 8.160 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 782114

Ion	Ratio	Lower	Upper
107	100		
108	111.2	89.5	134.3
77	48.7	38.1	57.1
79	48.1	37.4	56.2

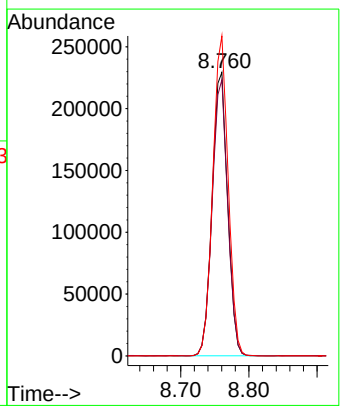


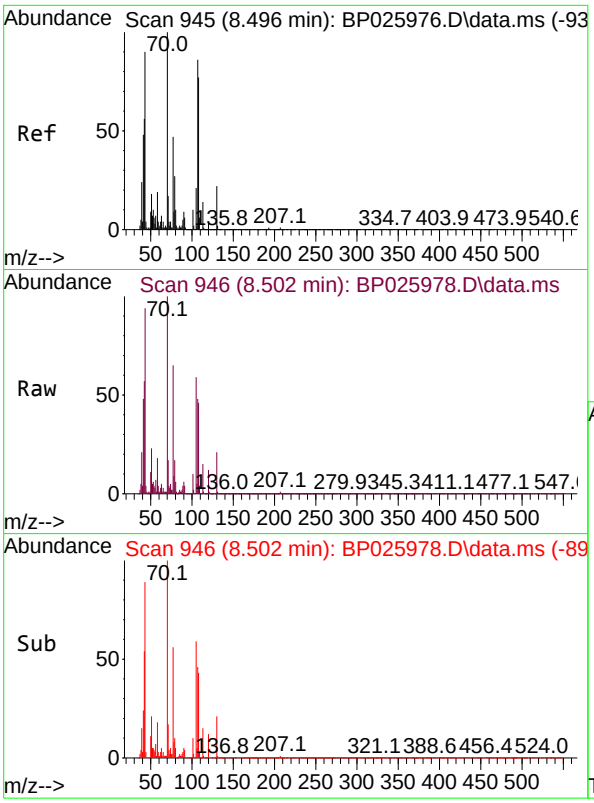


#18
Hexachloroethane
Concen: 57.308 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:117 Resp: 361663

Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.6	112.0
201	112.9	88.6	133.0



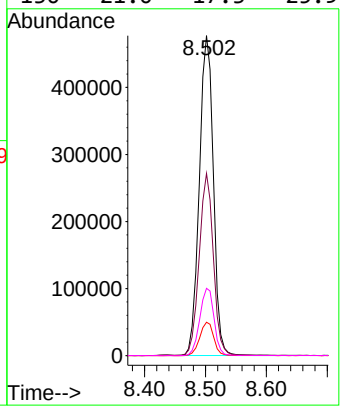


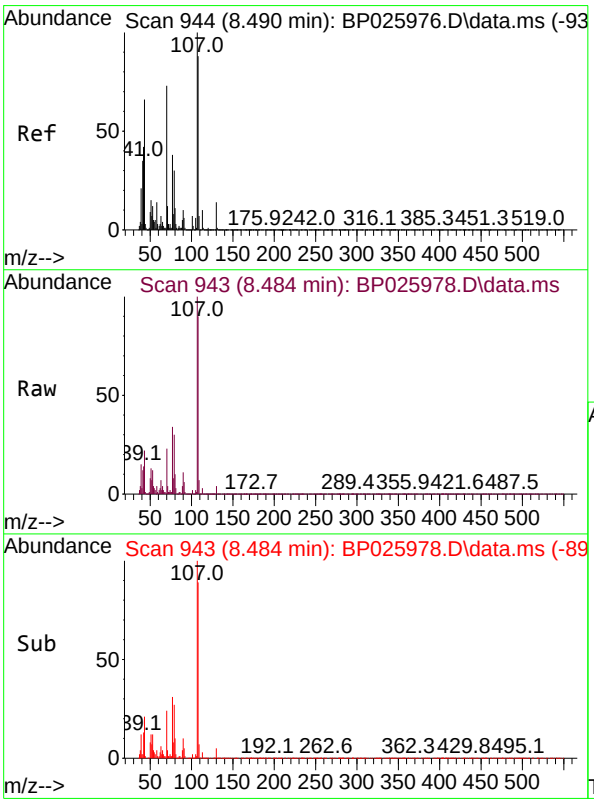
#19
n-Nitroso-di-n-propylamine
Concen: 60.632 ng
RT: 8.502 min Scan# 94
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 762006

Ion	Ratio	Lower	Upper
70	100		
42	56.9	45.2	67.8
101	10.4	7.9	11.9
130	21.0	17.3	25.9

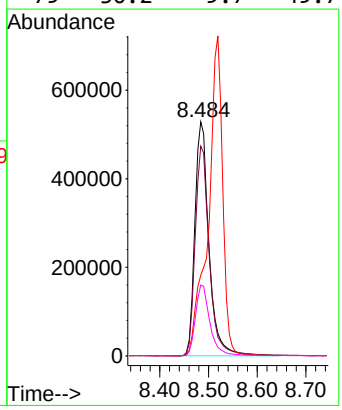


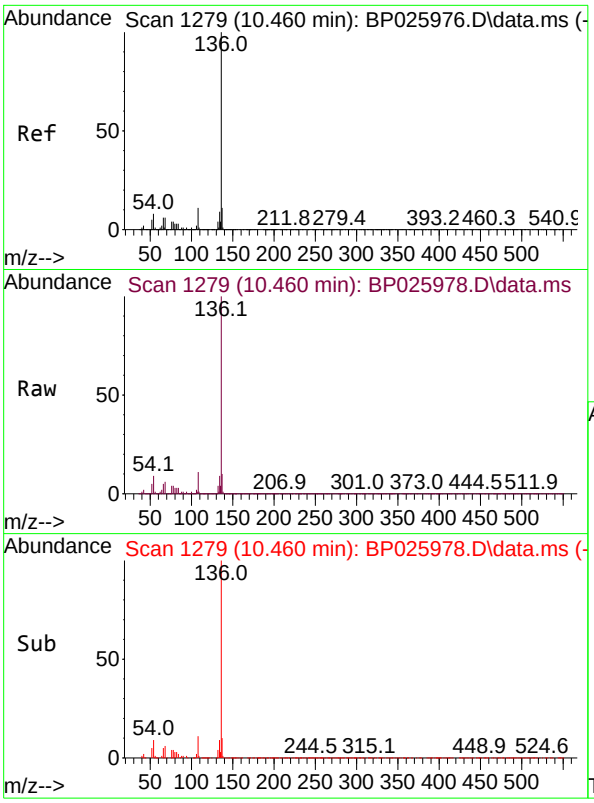


#20
3+4-Methylphenols
Concen: 59.400 ng
RT: 8.484 min Scan# 943
Delta R.T. -0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:107 Resp: 1055951

Ion	Ratio	Lower	Upper
107	100		
108	89.6	67.8	107.8
77	34.4	18.5	58.5
79	30.2	9.7	49.7



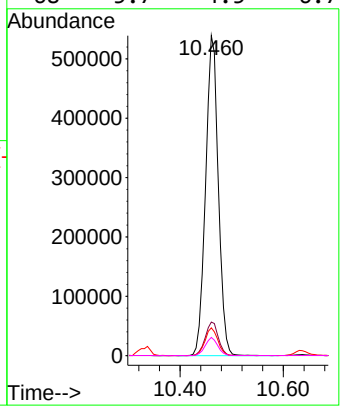


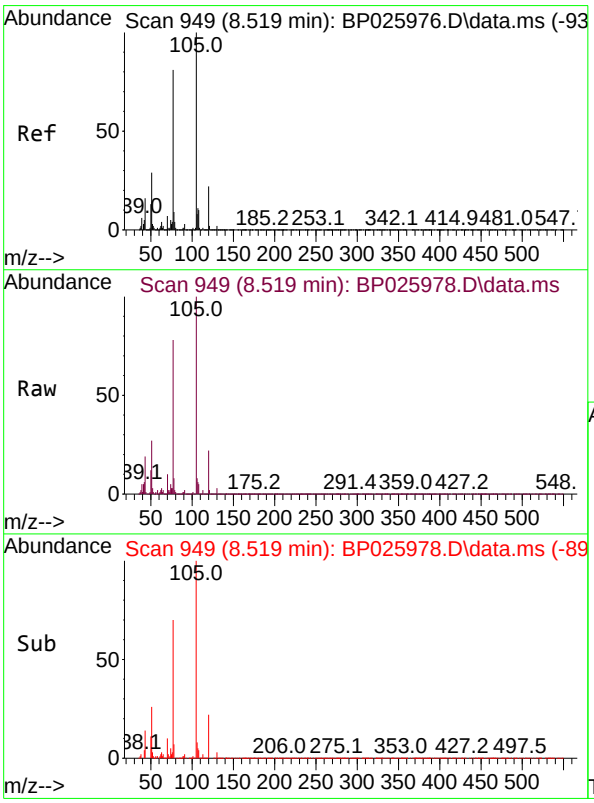
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 917814

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	8.7	6.8	10.2
68	5.7	4.5	6.7

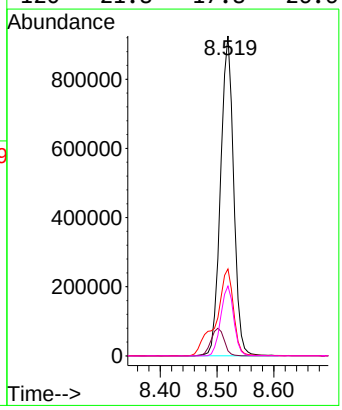


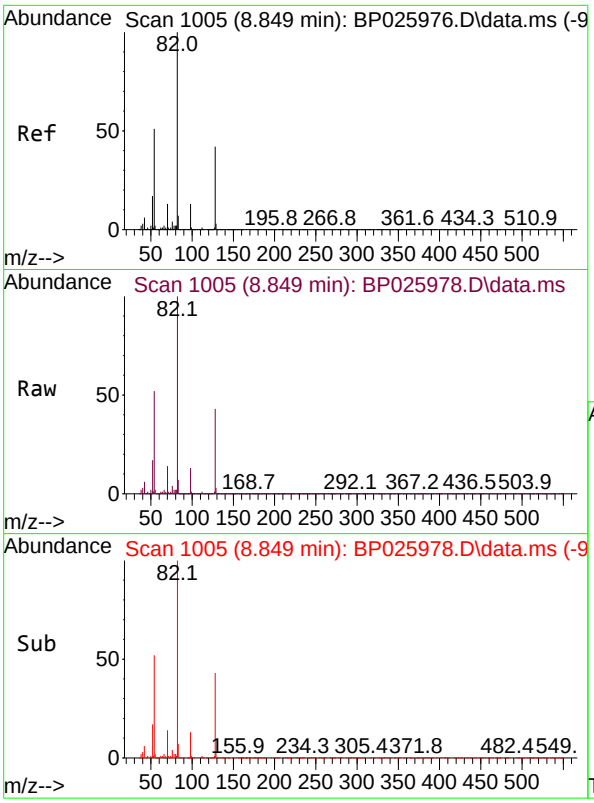


#22
Acetophenone
Concen: 59.055 ng
RT: 8.519 min Scan# 949
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:105 Resp: 1473523

Ion	Ratio	Lower	Upper
105	100		
71	1.6	0.9	1.3#
51	27.2	23.0	34.4
120	21.8	17.8	26.6



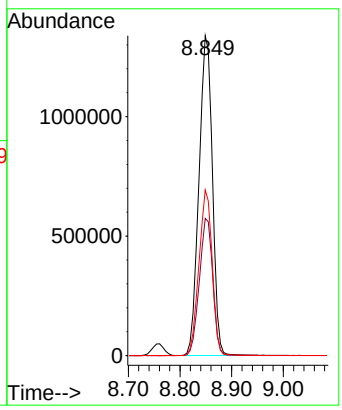


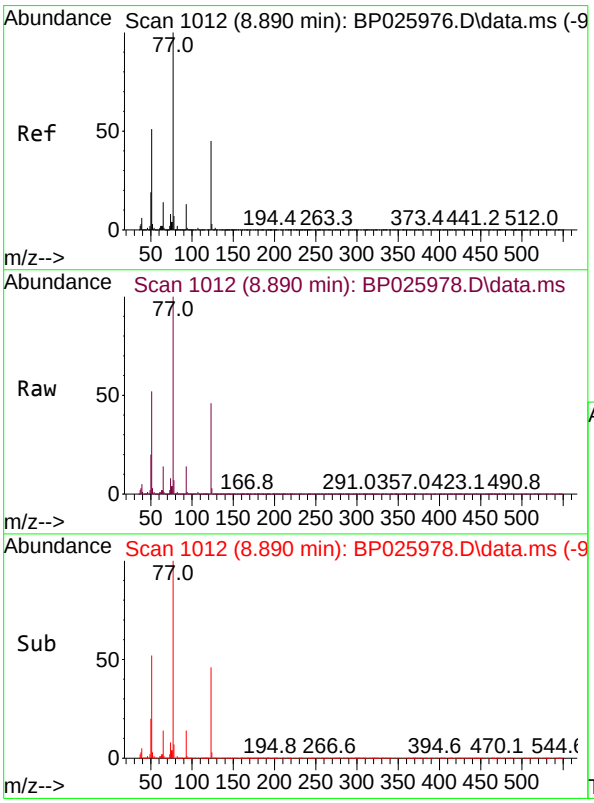
#23
Nitrobenzene-d5
Concen: 118.419 ng
RT: 8.849 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2418063

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.6	50.4
54	51.8	40.6	61.0

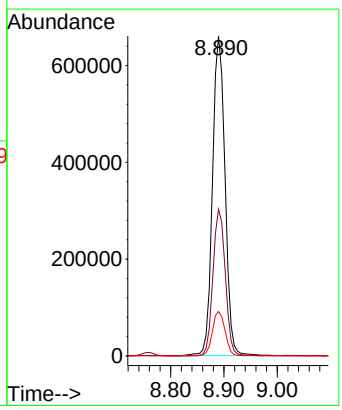


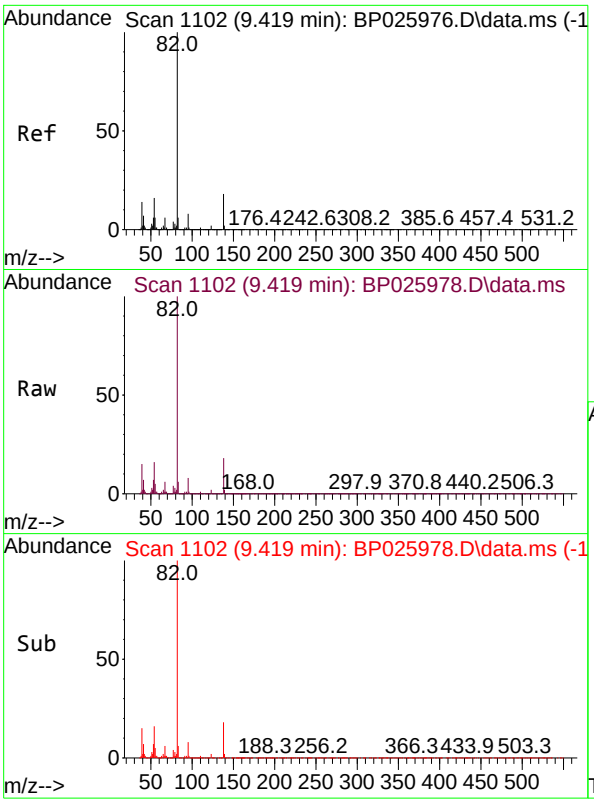


#24
Nitrobenzene
Concen: 59.748 ng
RT: 8.890 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion: 77 Resp: 1084935

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.6	53.4
65	13.9	11.1	16.7



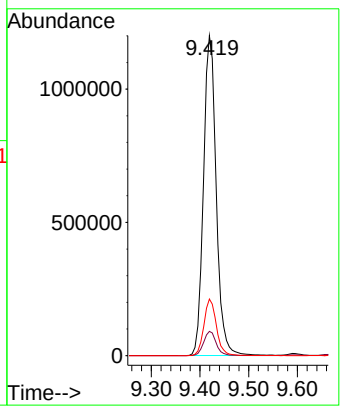


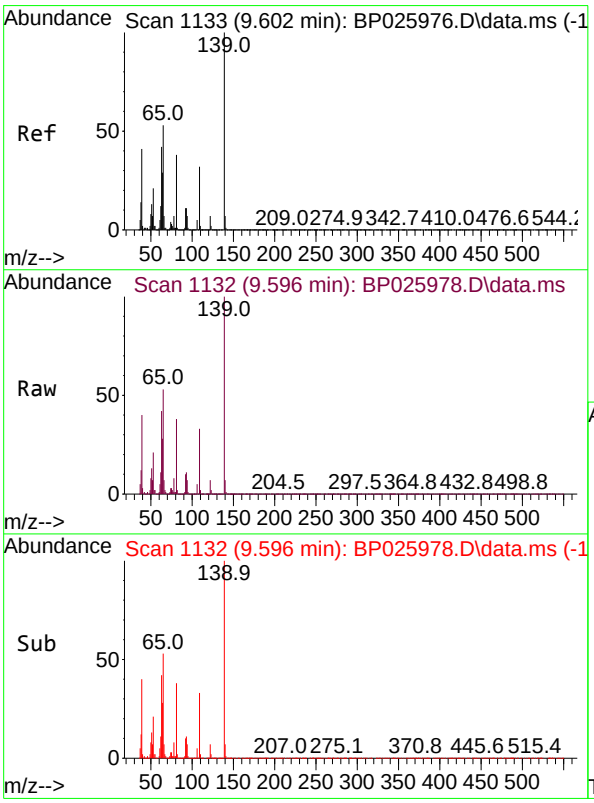
#25
Isophorone
Concen: 59.657 ng
RT: 9.419 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2187867

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	17.7	14.2	21.2

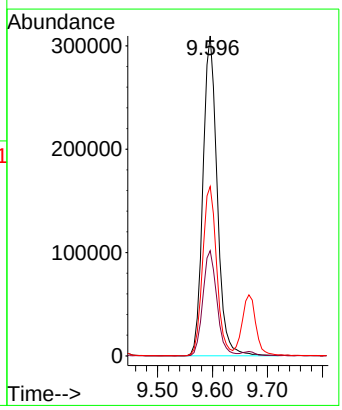


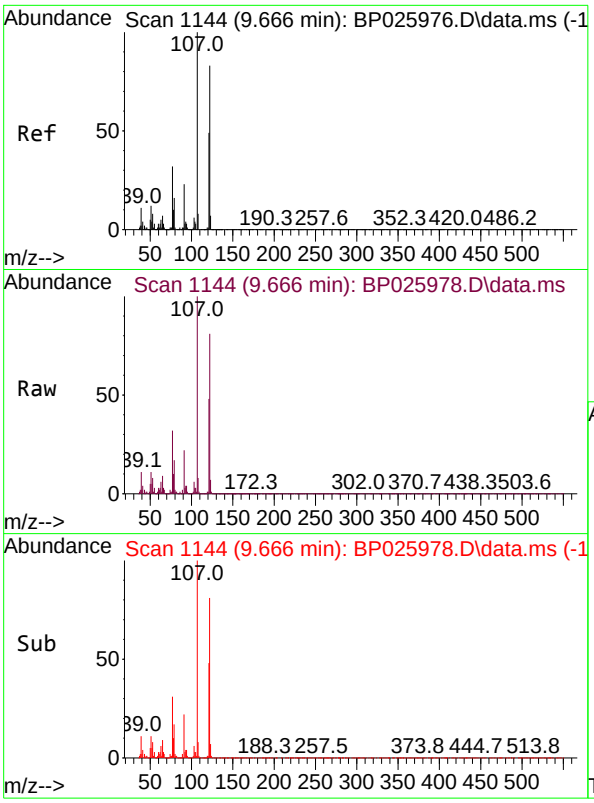


#26
2-Nitrophenol
Concen: 63.312 ng
RT: 9.596 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:139 Resp: 556761

Ion	Ratio	Lower	Upper
139	100		
109	32.9	25.9	38.9
65	52.9	42.4	63.6



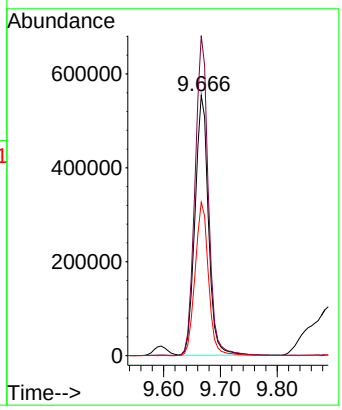


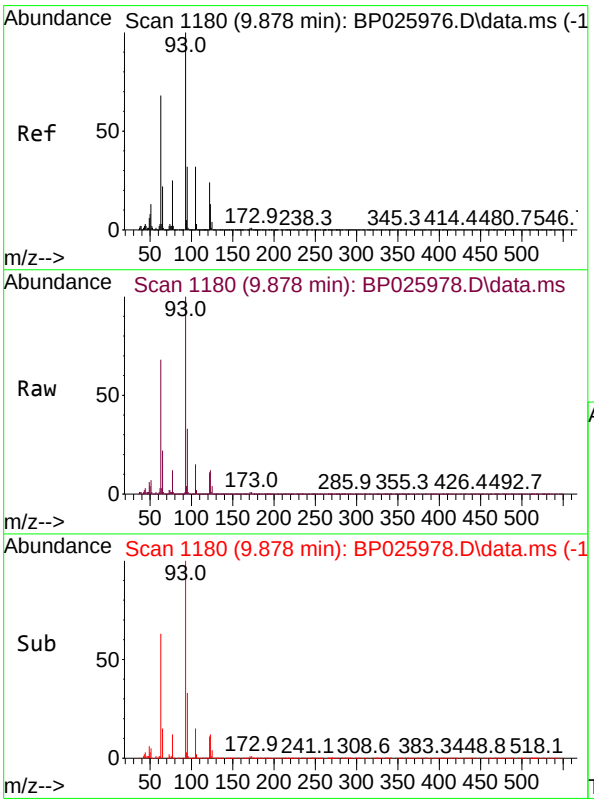
#27
2,4-Dimethylphenol
Concen: 60.745 ng
RT: 9.666 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 905215

Ion	Ratio	Lower	Upper
122	100		
107	123.0	95.9	143.9
121	59.0	46.6	70.0

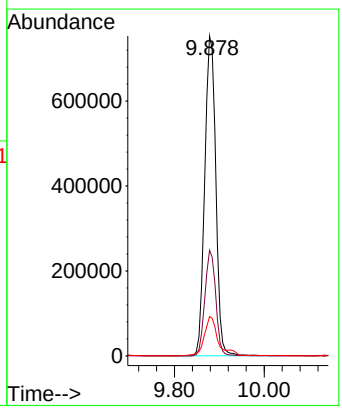


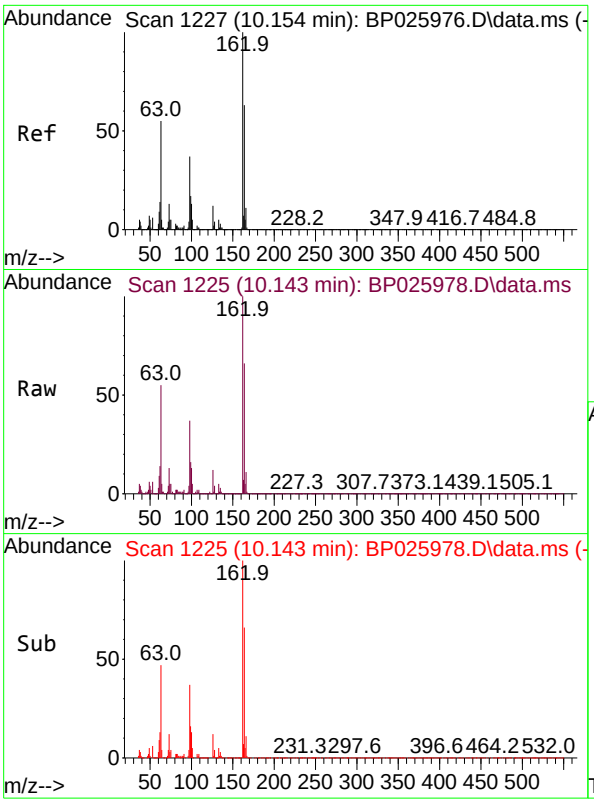


#28
bis(2-Chloroethoxy)methane
Concen: 60.118 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion: 93 Resp: 1289741

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.3	37.9
123	12.3	10.4	15.6



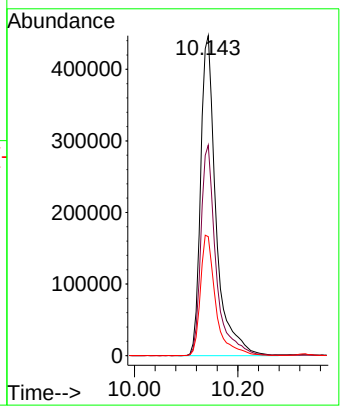


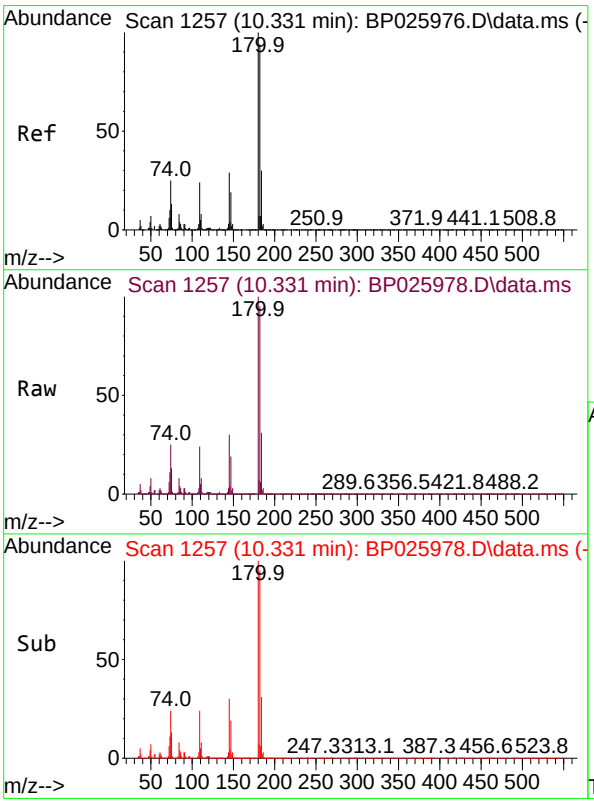
#29
2,4-Dichlorophenol
Concen: 62.345 ng
RT: 10.143 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 925728

Ion	Ratio	Lower	Upper
162	100		
164	65.8	43.4	83.4
98	37.2	17.3	57.3

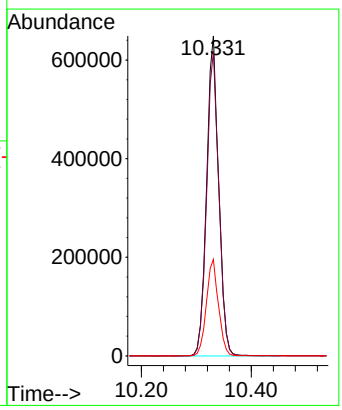


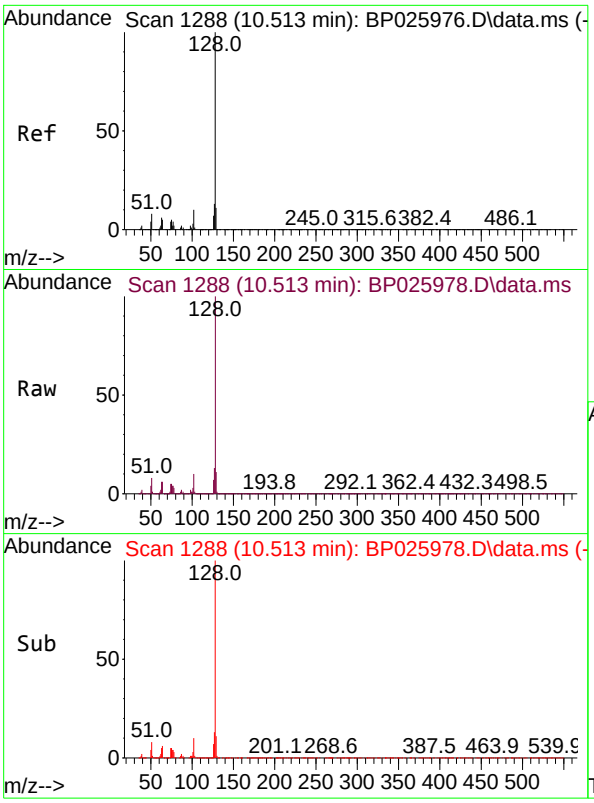


#30
1,2,4-Trichlorobenzene
Concen: 58.648 ng
RT: 10.331 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:180 Resp: 985889

Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.3	112.9
145	30.2	23.4	35.2



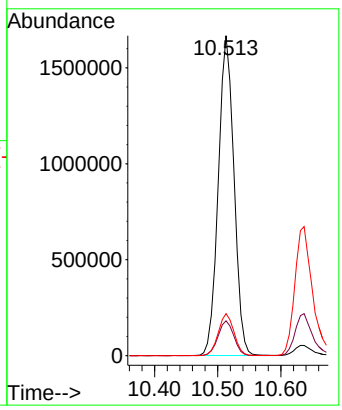


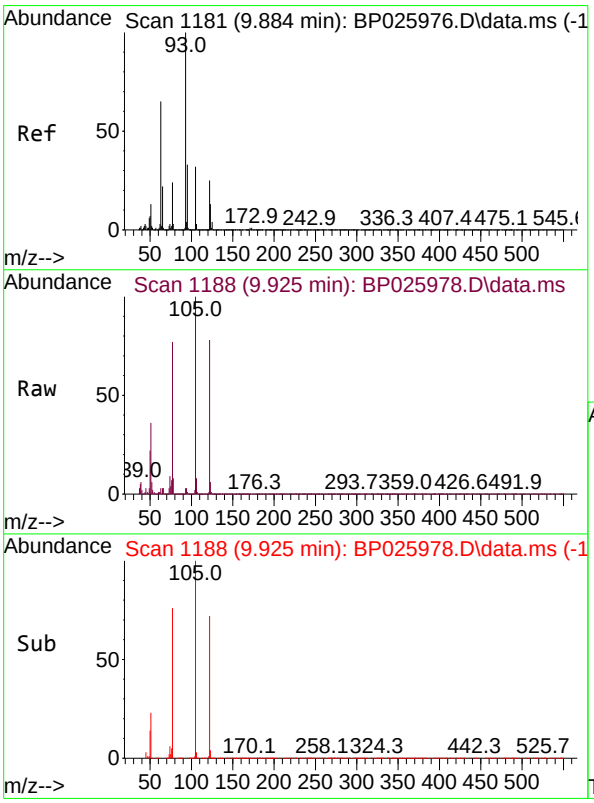
#31
Naphthalene
Concen: 58.155 ng
RT: 10.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 2879306

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.1	10.6	16.0

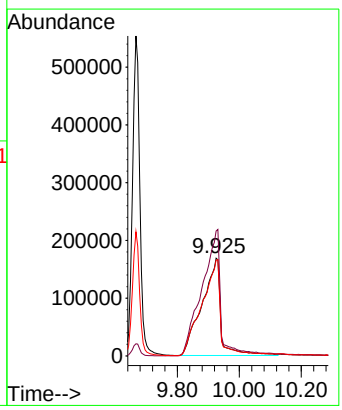


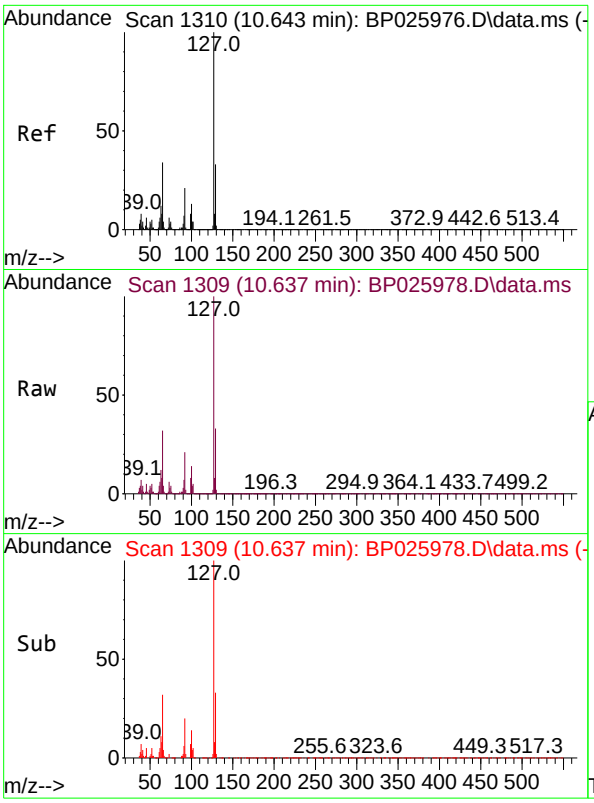


#32
Benzoic acid
Concen: 66.121 ng
RT: 9.925 min Scan# 1188
Delta R.T. 0.041 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:122 Resp: 715383

Ion	Ratio	Lower	Upper
122	100		
105	127.9	107.4	147.4
77	98.0	77.0	117.0



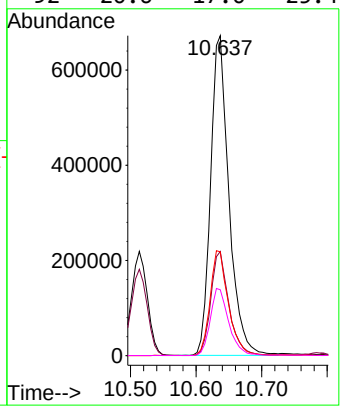


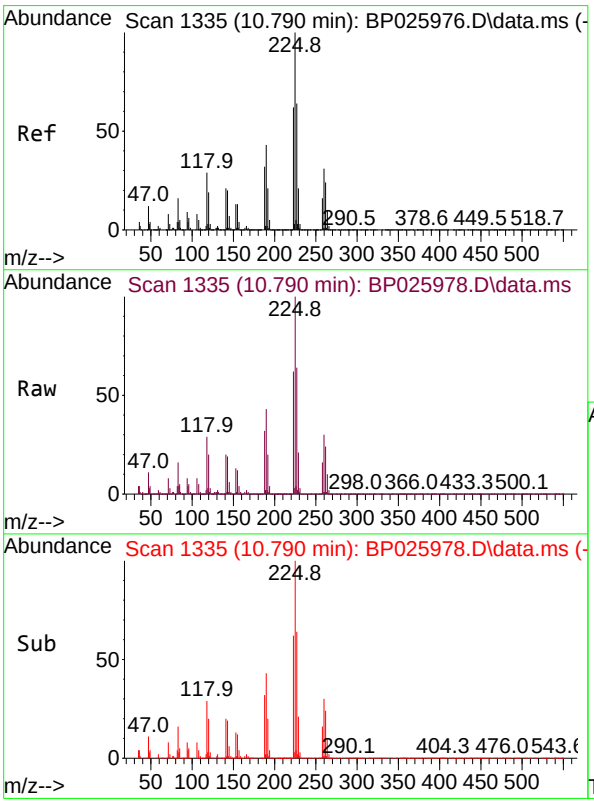
#33
4-Chloroaniline
Concen: 62.204 ng
RT: 10.637 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1307885

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	32.4	27.2	40.8
92	20.6	17.0	25.4

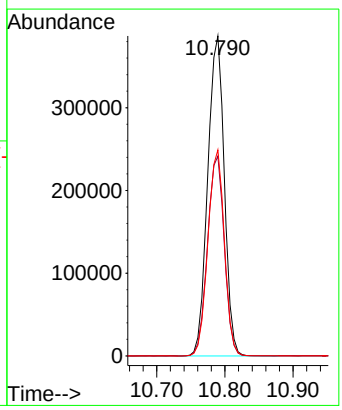


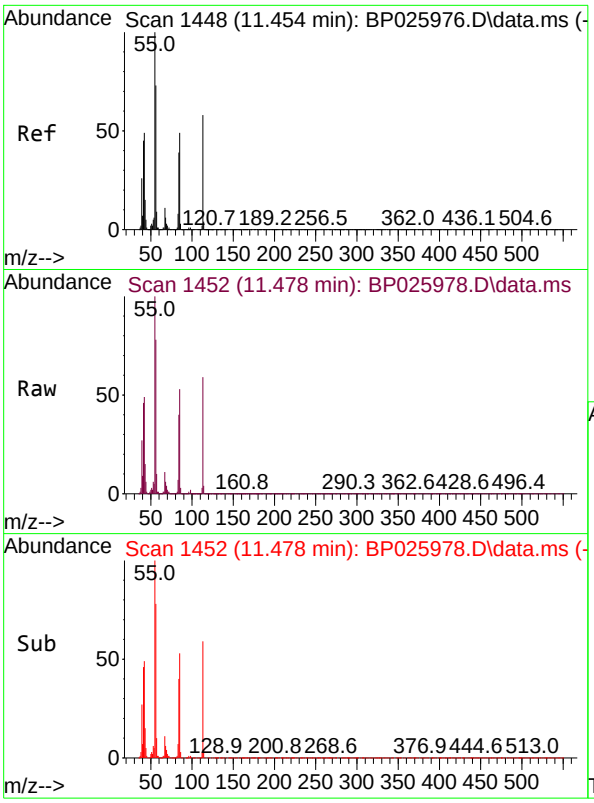


#34
Hexachlorobutadiene
Concen: 58.435 ng
RT: 10.790 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:225 Resp: 650093

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.8	74.8
227	64.4	51.4	77.2



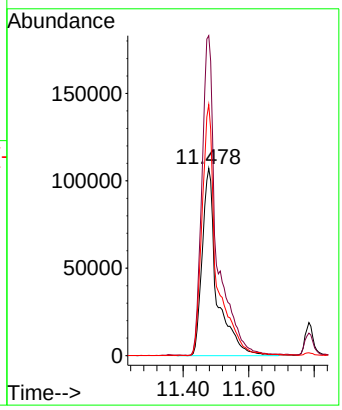


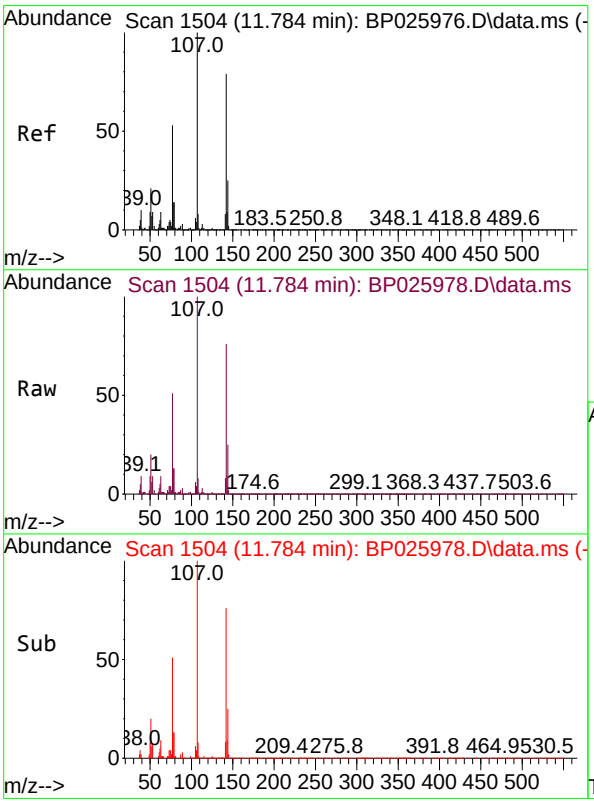
#35
Caprolactam
Concen: 63.032 ng
RT: 11.478 min Scan# 14
Delta R.T. 0.024 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 333061

Ion	Ratio	Lower	Upper
113	100		
55	170.8	151.8	191.8
56	134.0	104.6	144.6

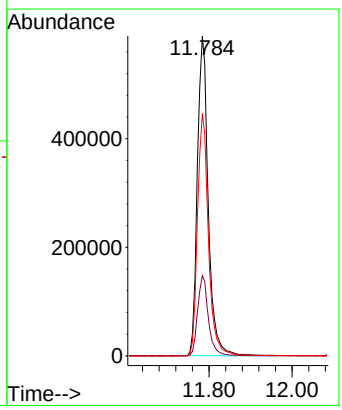


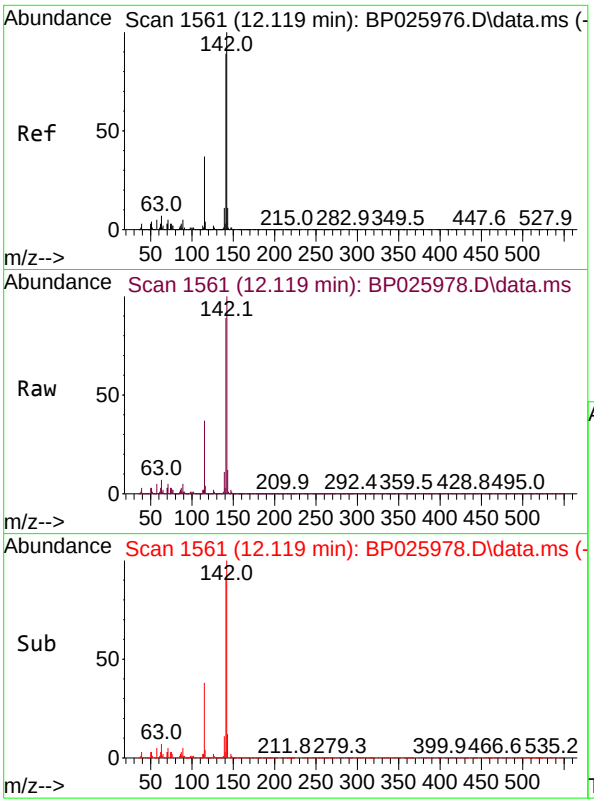


#36
4-Chloro-3-methylphenol
Concen: 61.622 ng
RT: 11.784 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:107 Resp: 1074230

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.3	30.5
142	75.7	63.0	94.4



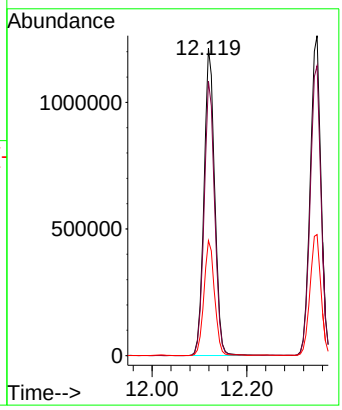


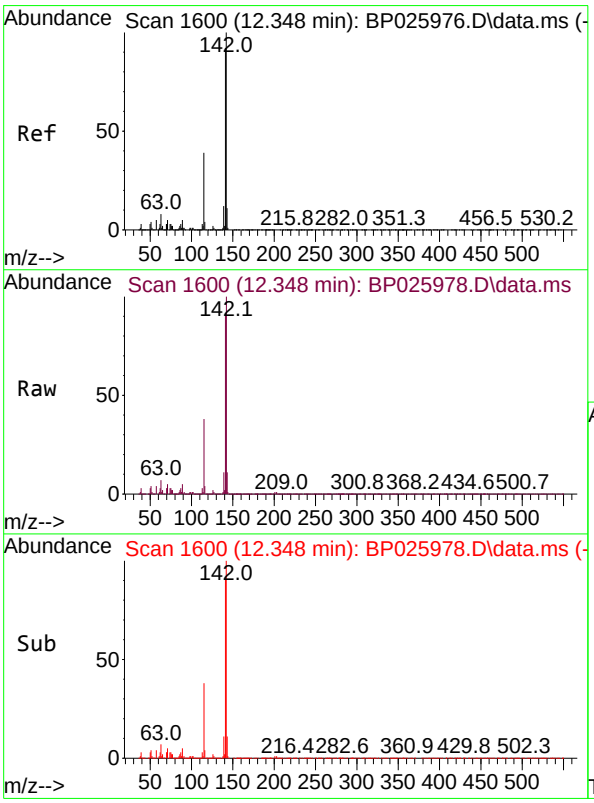
#37
2-Methylnaphthalene
Concen: 58.563 ng
RT: 12.119 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1898400

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.9	106.3
115	37.4	29.9	44.9

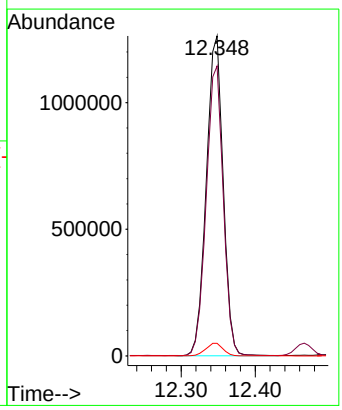


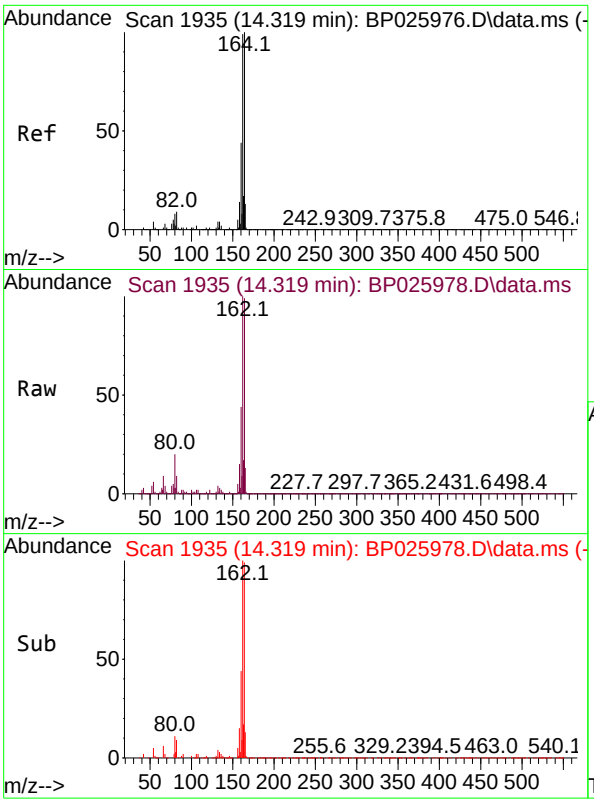


#38
1-Methylnaphthalene
Concen: 58.266 ng
RT: 12.348 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:142 Resp: 1992258

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.7	110.5
116	3.9	3.2	4.8



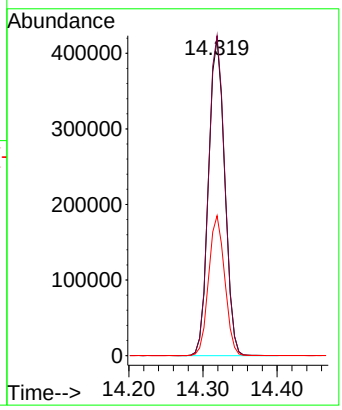


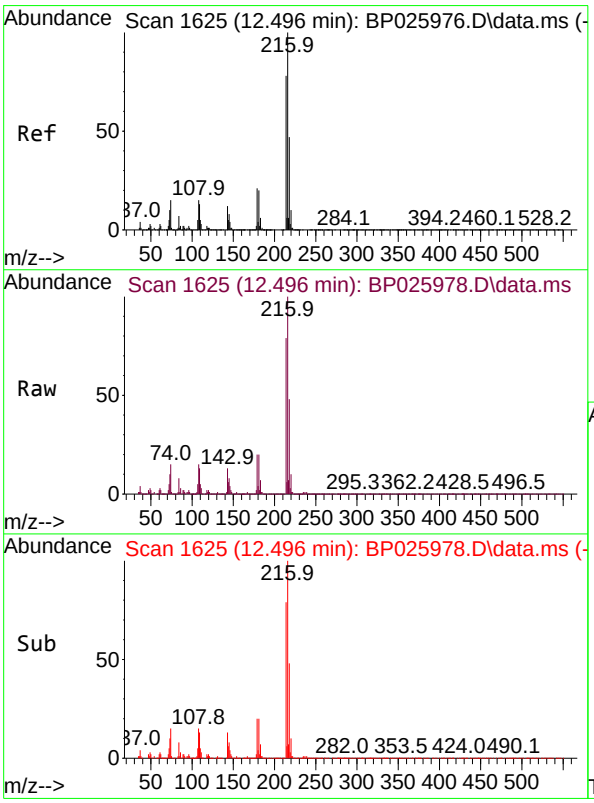
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 635446

Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.3	118.9
160	44.2	35.4	53.0

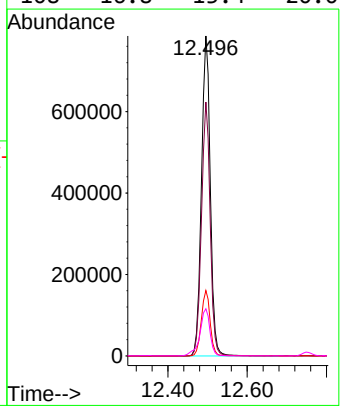


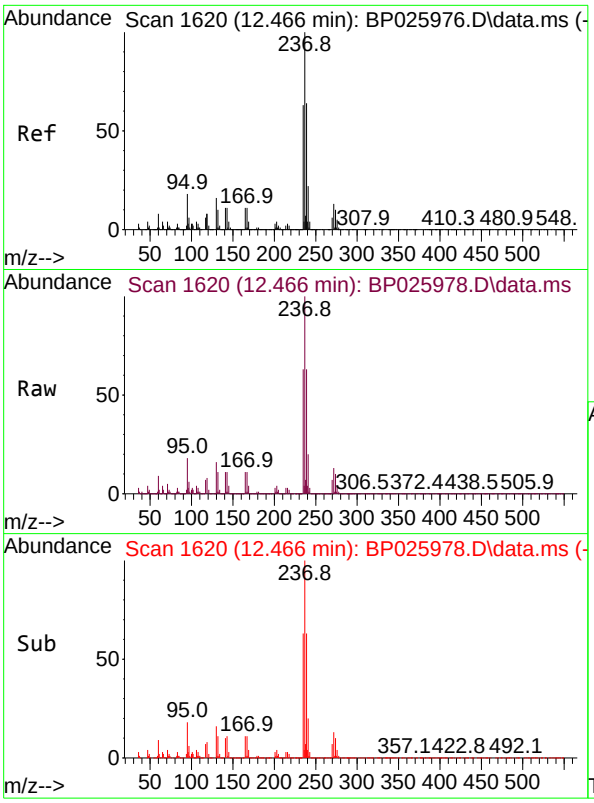


#40
1,2,4,5-Tetrachlorobenzene
Concen: 58.434 ng
RT: 12.496 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:216 Resp: 1209113

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.6	94.0
179	20.5	16.5	24.7
108	16.8	13.4	20.0



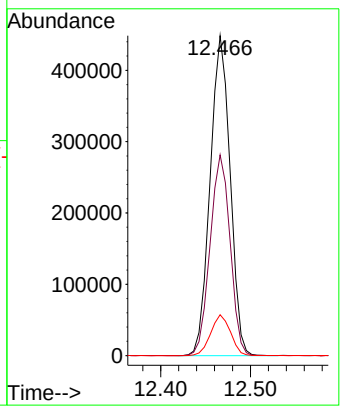


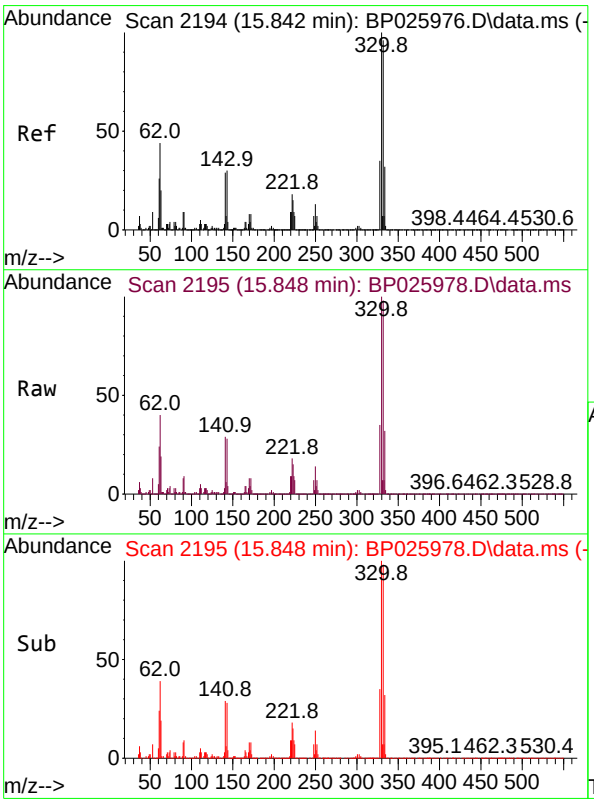
#41
Hexachlorocyclopentadiene
Concen: 58.710 ng
RT: 12.466 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 697307

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.1	83.1
272	12.8	0.0	33.4

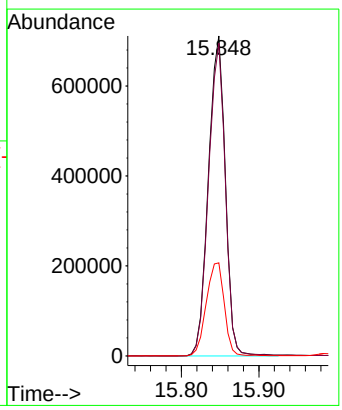


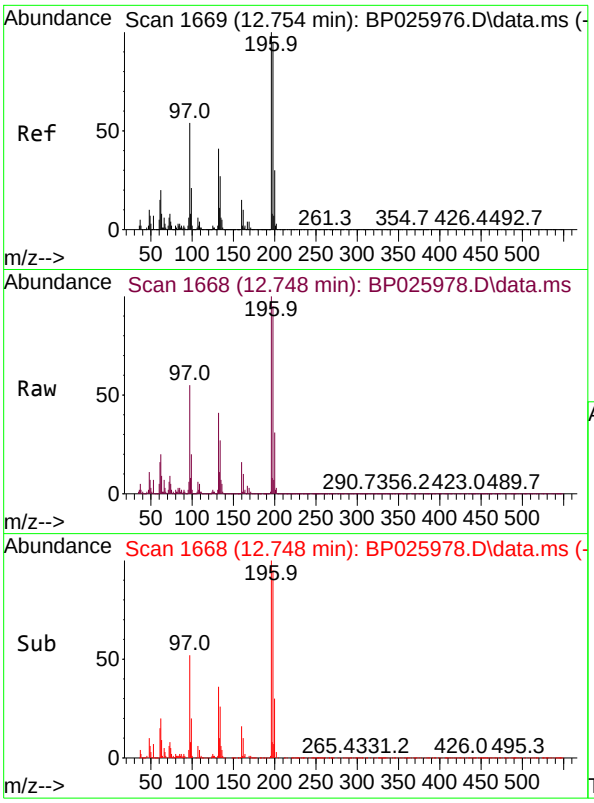


#42
2,4,6-Tribromophenol
Concen: 125.986 ng
RT: 15.848 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:330 Resp: 1077756

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.8	116.8
141	31.0	25.6	38.4



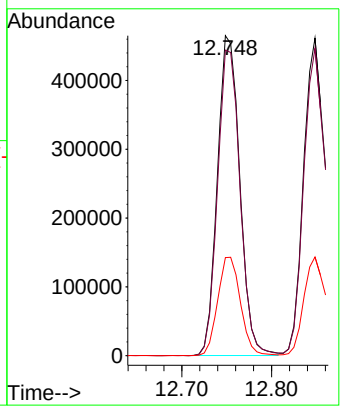


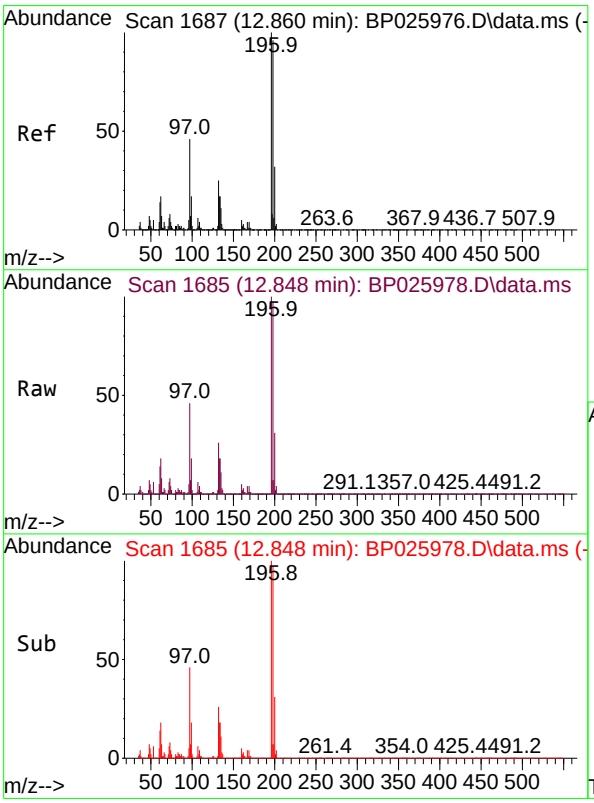
#43
2,4,6-Trichlorophenol
Concen: 61.726 ng
RT: 12.748 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 810705

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.3	114.5
200	30.6	23.9	35.9

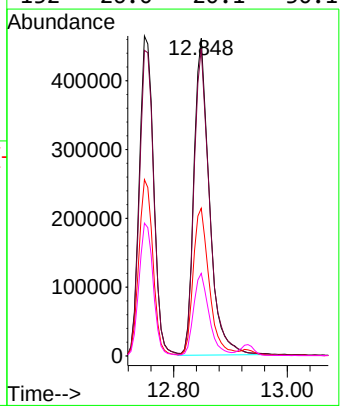


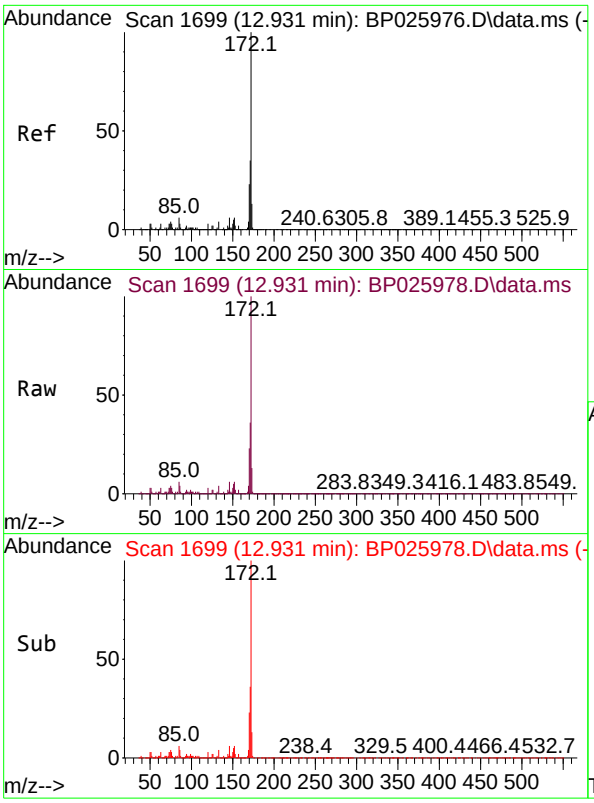


#44
2,4,5-Trichlorophenol
Concen: 61.125 ng
RT: 12.848 min Scan# 1685
Delta R.T. -0.012 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:196 Resp: 874208

Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.0	115.4
97	46.5	36.6	54.8
132	26.0	20.1	30.1



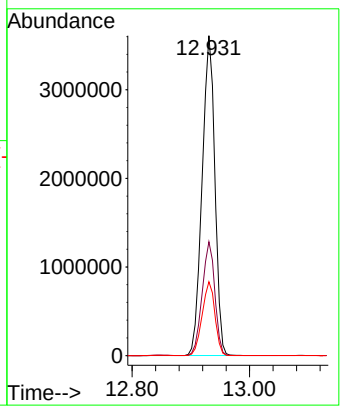


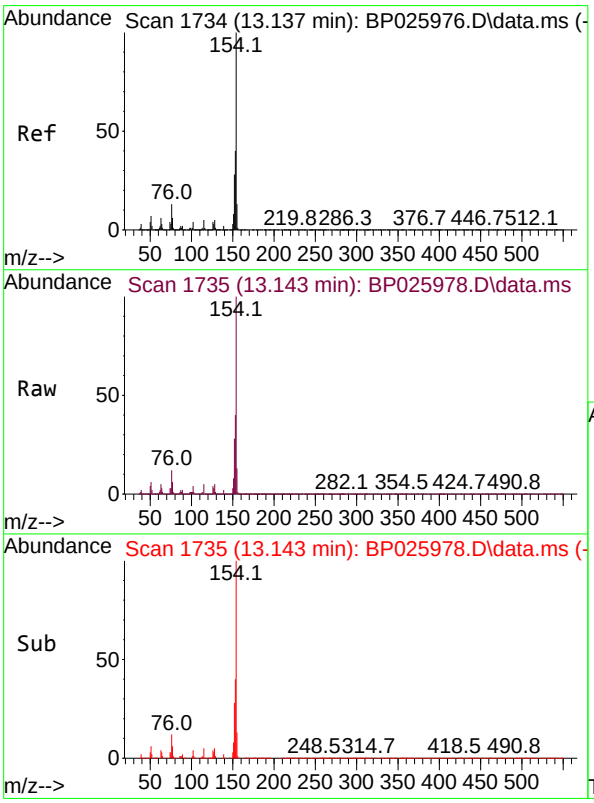
#45
2-Fluorobiphenyl
Concen: 109.974 ng
RT: 12.931 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 5452201

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.8
170	23.1	18.5	27.7

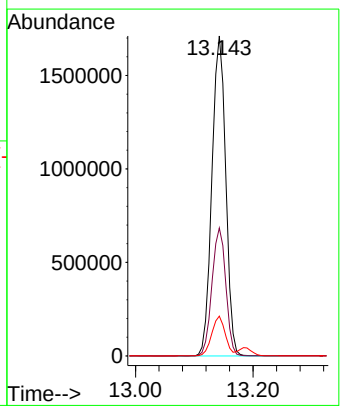


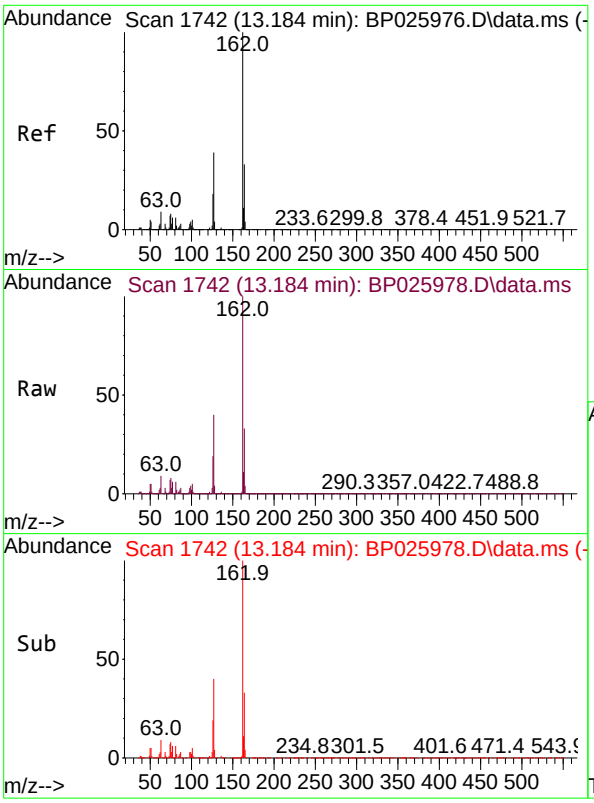


#46
1,1'-Biphenyl
Concen: 58.101 ng
RT: 13.143 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:154 Resp: 2788881

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.1	60.1
76	12.4	0.0	33.1



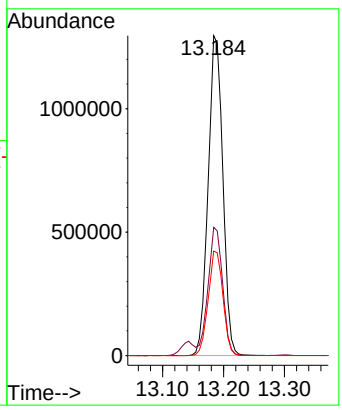


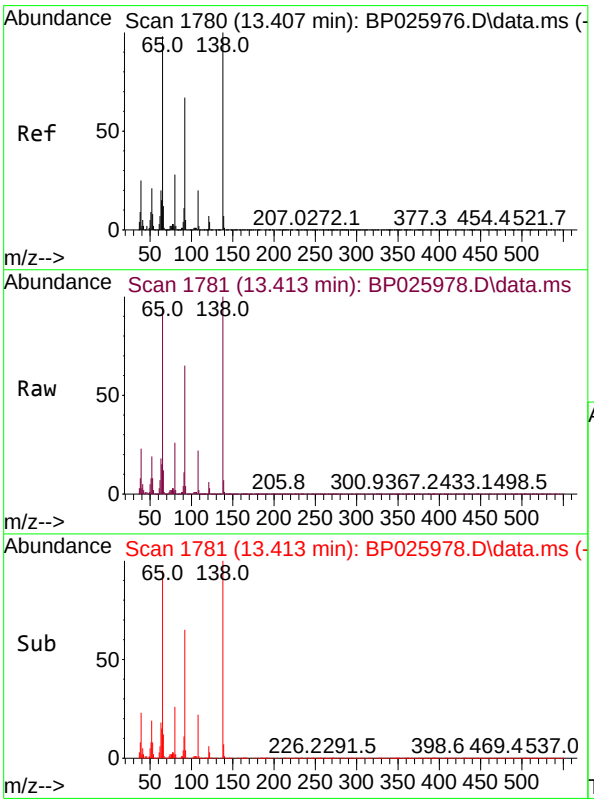
#47
2-Chloronaphthalene
Concen: 57.865 ng
RT: 13.184 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2171753

Ion	Ratio	Lower	Upper
162	100		
127	40.1	31.4	47.0
164	32.7	26.4	39.6

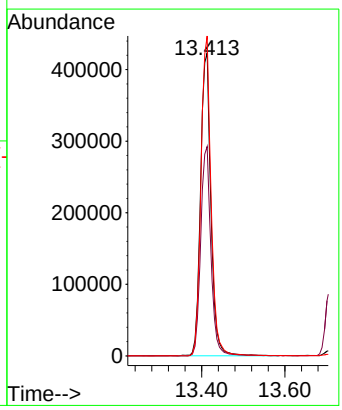


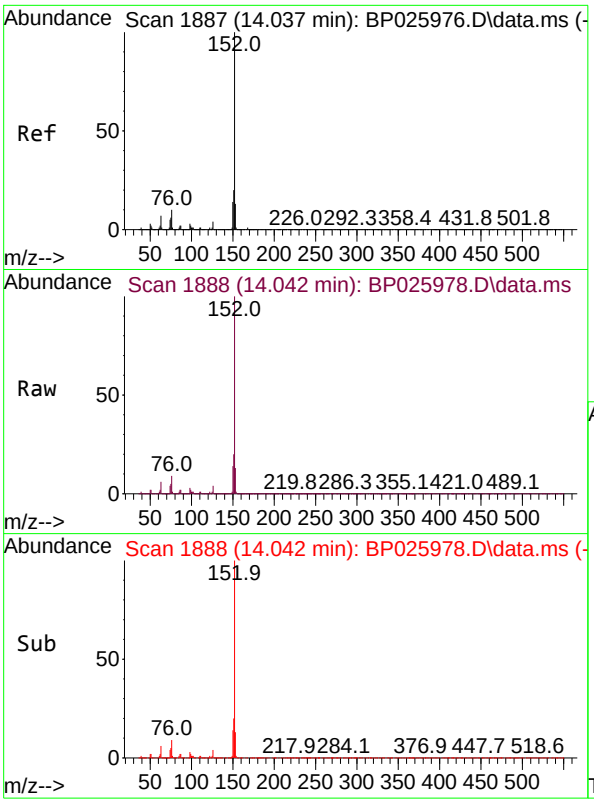


#48
2-Nitroaniline
Concen: 62.499 ng
RT: 13.413 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion: 65 Resp: 731080

Ion	Ratio	Lower	Upper
65	100		
92	69.1	55.0	82.4
138	105.6	82.0	123.0



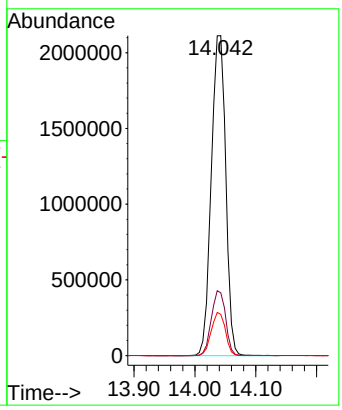


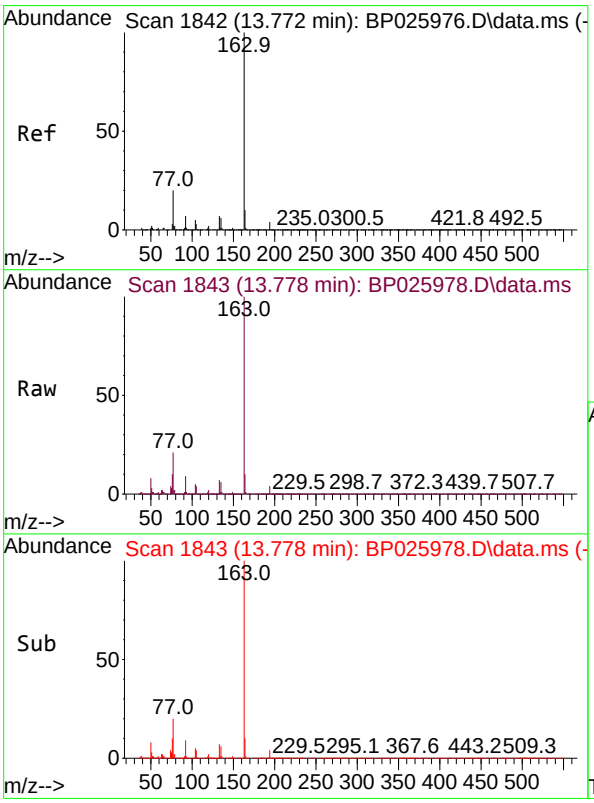
#49
Acenaphthylene
Concen: 57.423 ng
RT: 14.042 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 3484718

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	12.9	10.6	15.8

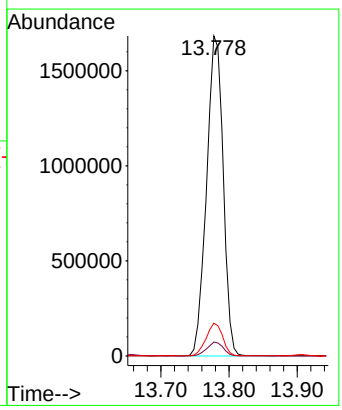


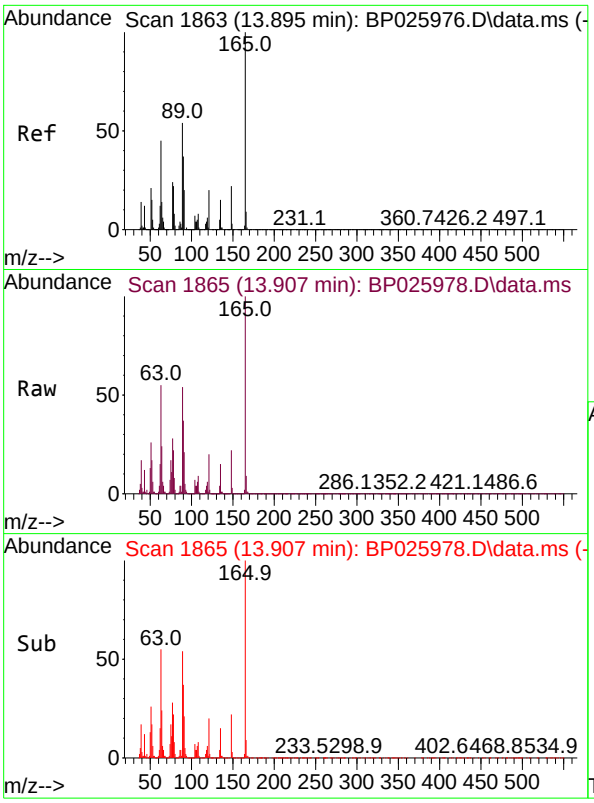


#50
Dimethylphthalate
Concen: 59.352 ng
RT: 13.778 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:163 Resp: 2850681

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.6	5.4
164	10.3	8.2	12.2



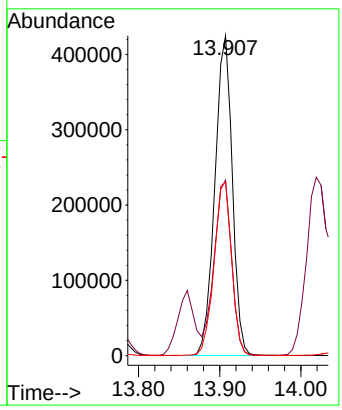


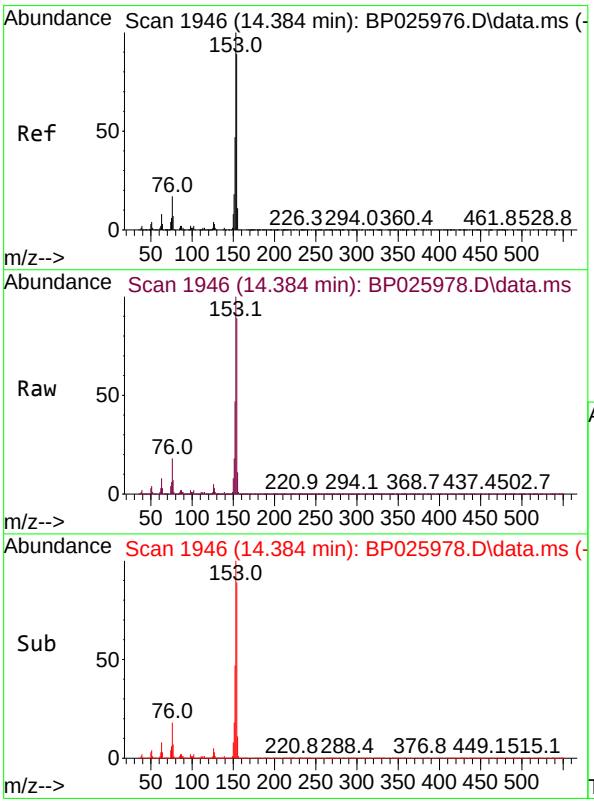
#51
2,6-Dinitrotoluene
Concen: 61.110 ng
RT: 13.907 min Scan# 18
Delta R.T. 0.012 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 633734

Ion	Ratio	Lower	Upper
165	100		
63	54.9	45.4	68.0
89	54.3	43.4	65.0

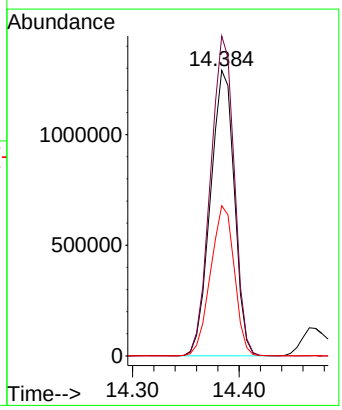


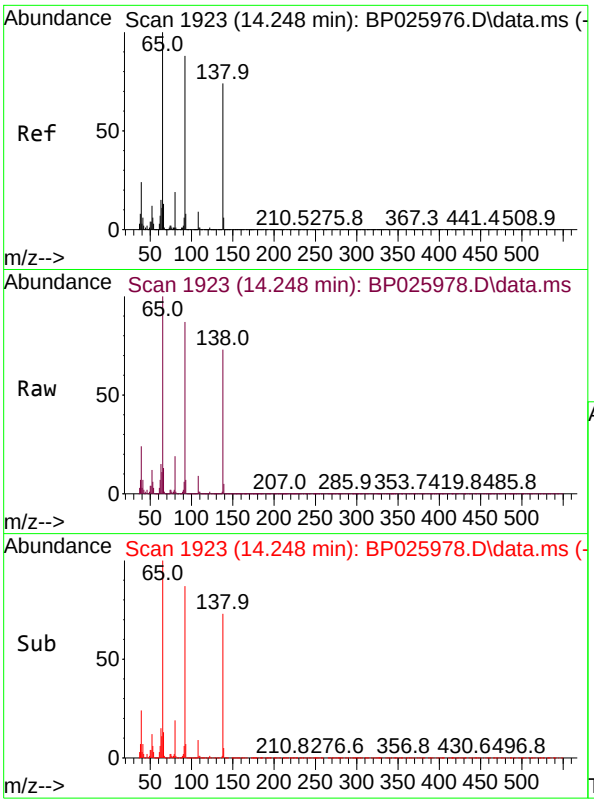


#52
Acenaphthene
Concen: 57.502 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:154 Resp: 2015028

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.2	135.2
152	52.6	42.2	63.2



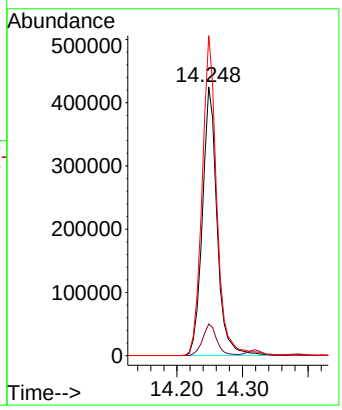


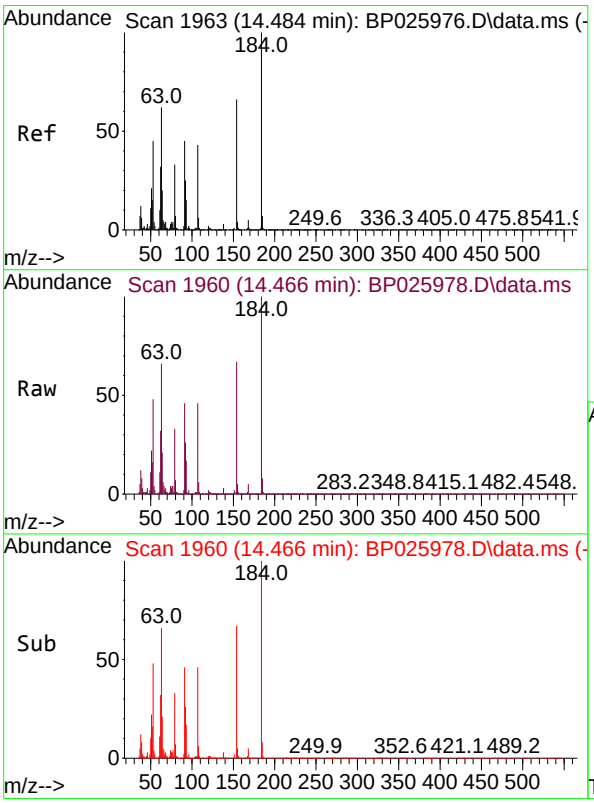
#53
3-Nitroaniline
Concen: 64.532 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 658648

Ion	Ratio	Lower	Upper
138	100		
108	11.8	10.0	15.0
92	119.1	96.1	144.1

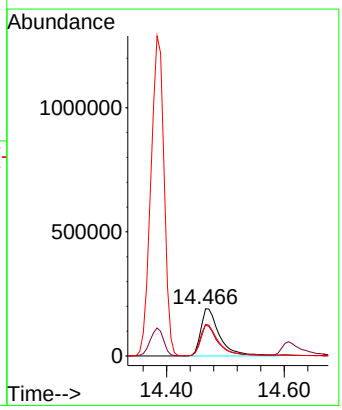


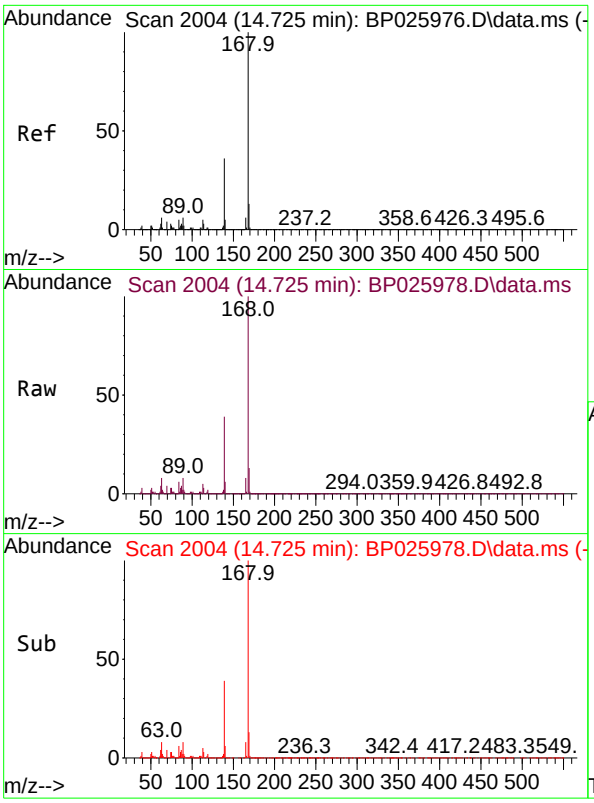


#54
2,4-Dinitrophenol
Concen: 60.945 ng
RT: 14.466 min Scan# 1960
Delta R.T. -0.018 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:184 Resp: 419714

Ion	Ratio	Lower	Upper
184	100		
63	65.7	50.2	75.2
154	66.6	54.2	81.4



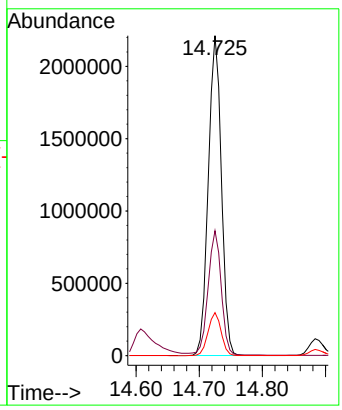


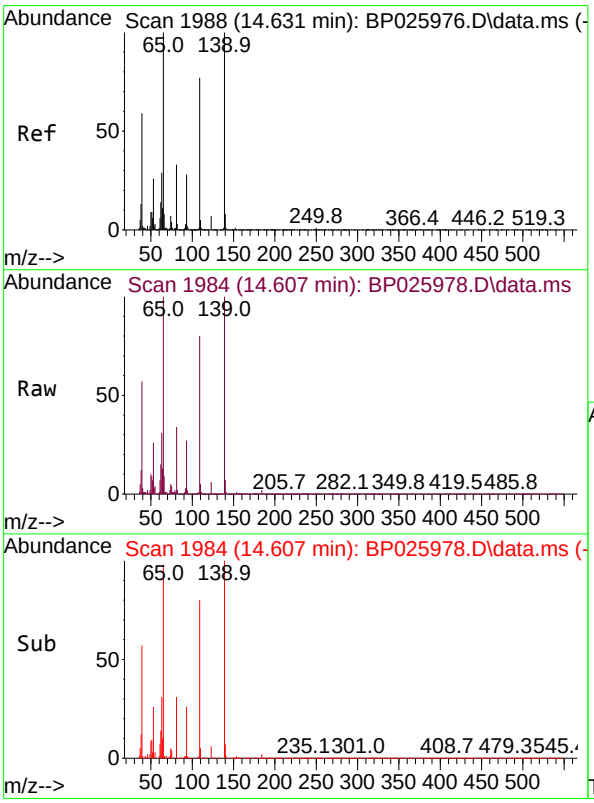
#55
Dibenzofuran
Concen: 56.687 ng
RT: 14.725 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 3180822

Ion	Ratio	Lower	Upper
168	100		
139	39.1	30.5	45.7
169	13.4	10.6	15.8

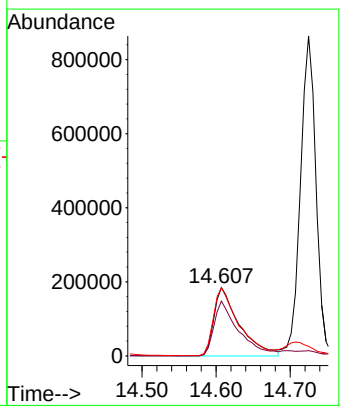


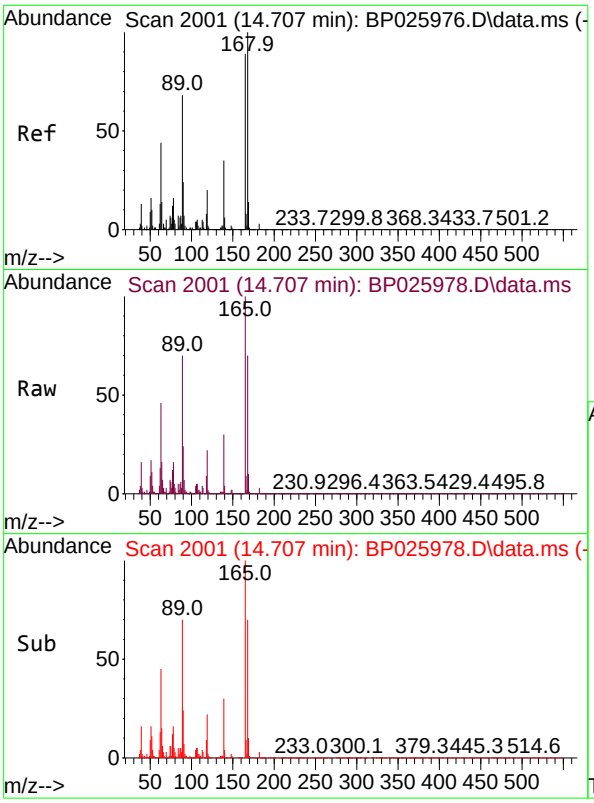


#56
4-Nitrophenol
Concen: 69.625 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.024 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:139 Resp: 436129

Ion	Ratio	Lower	Upper
139	100		
109	80.4	57.6	97.6
65	100.0	81.4	121.4



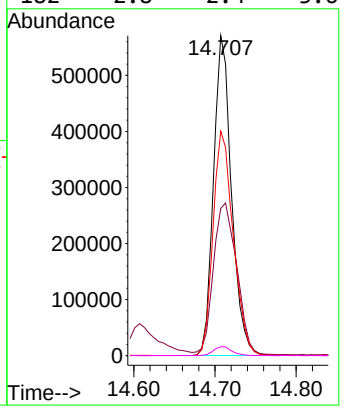


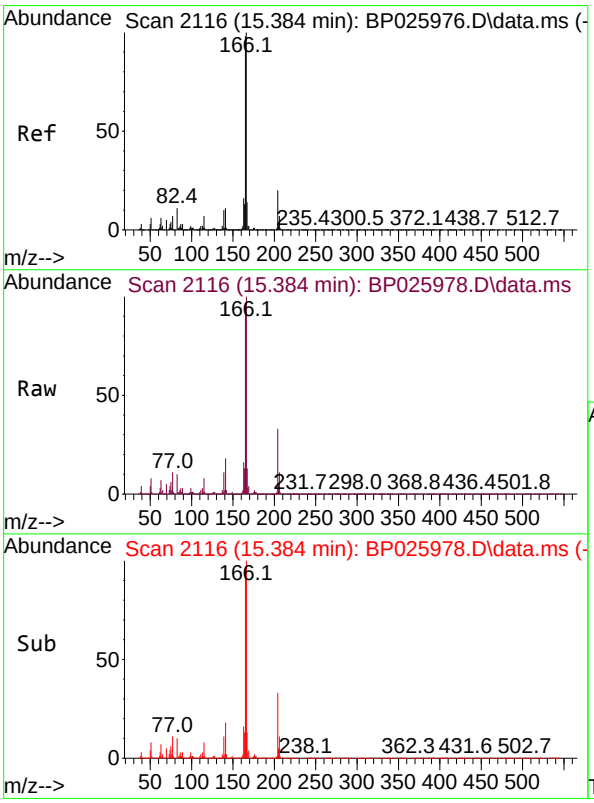
#57
2,4-Dinitrotoluene
Concen: 62.487 ng
RT: 14.707 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 878055

Ion	Ratio	Lower	Upper
165	100		
63	46.0	41.8	62.6
89	70.1	61.6	92.4
182	2.8	2.4	3.6

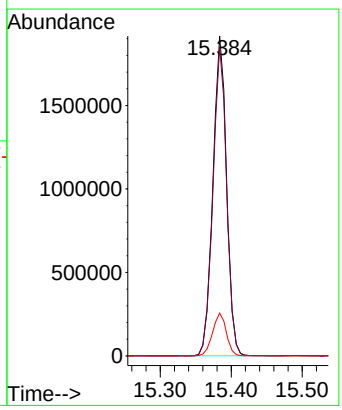


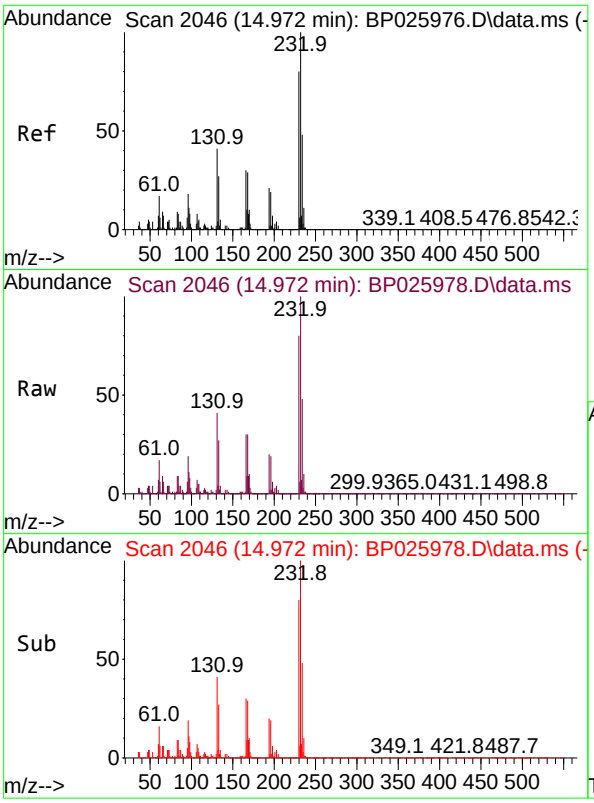


#58
Fluorene
Concen: 56.817 ng
RT: 15.384 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:166 Resp: 2561731

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.2	117.2
167	13.4	10.8	16.2



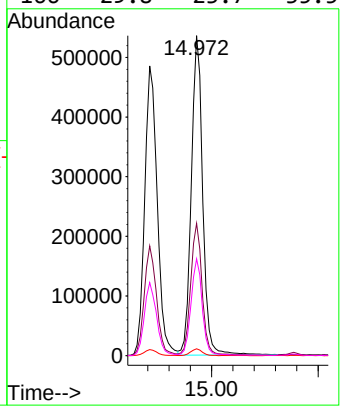


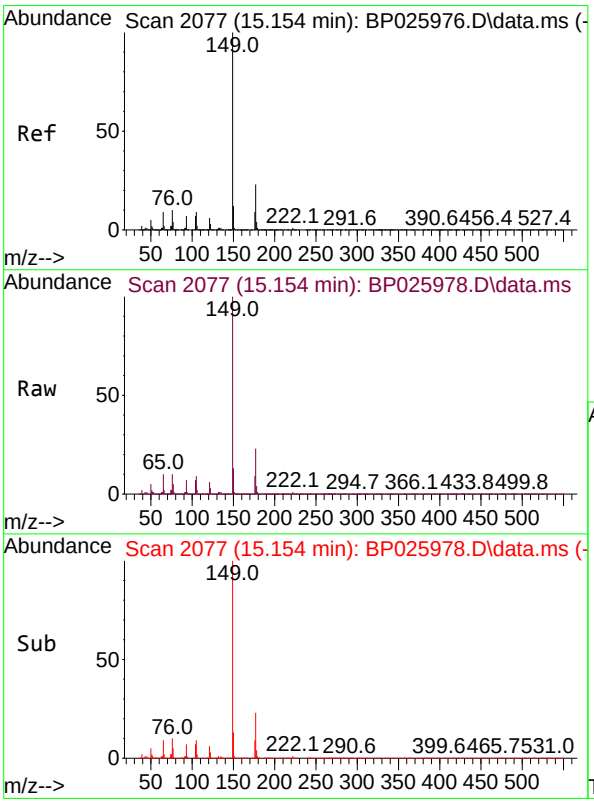
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.238 ng
RT: 14.972 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 798707

Ion	Ratio	Lower	Upper
232	100		
131	41.6	33.8	50.8
130	2.2	1.8	2.8
166	29.8	23.7	35.5

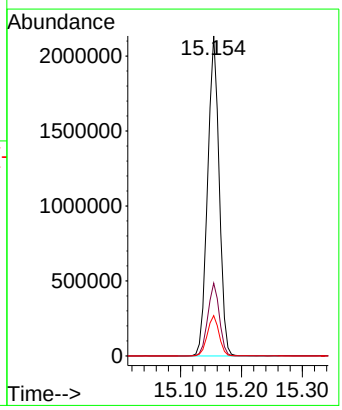


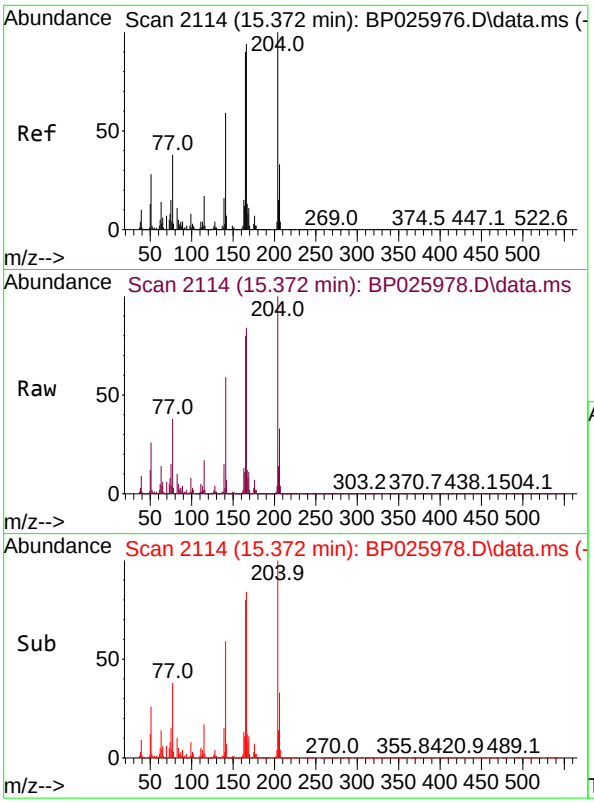


#60
Diethylphthalate
Concen: 59.253 ng
RT: 15.154 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:149 Resp: 2806056

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.6	9.8	14.6



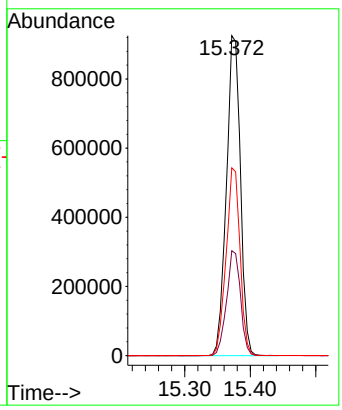


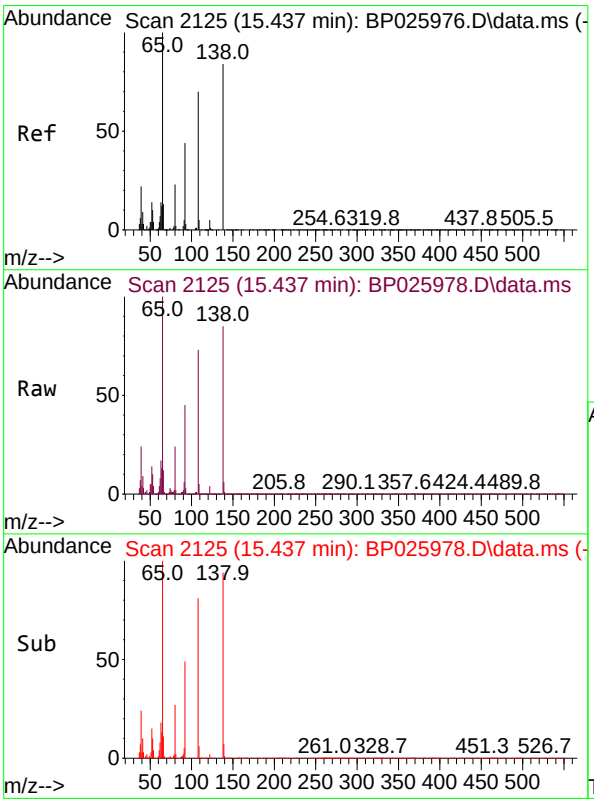
#61
4-Chlorophenyl-phenylether
Concen: 57.989 ng
RT: 15.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1374892

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.5	39.7
141	58.7	47.2	70.8

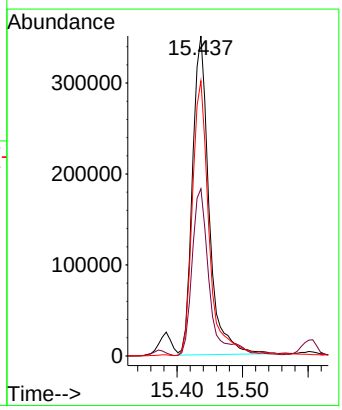


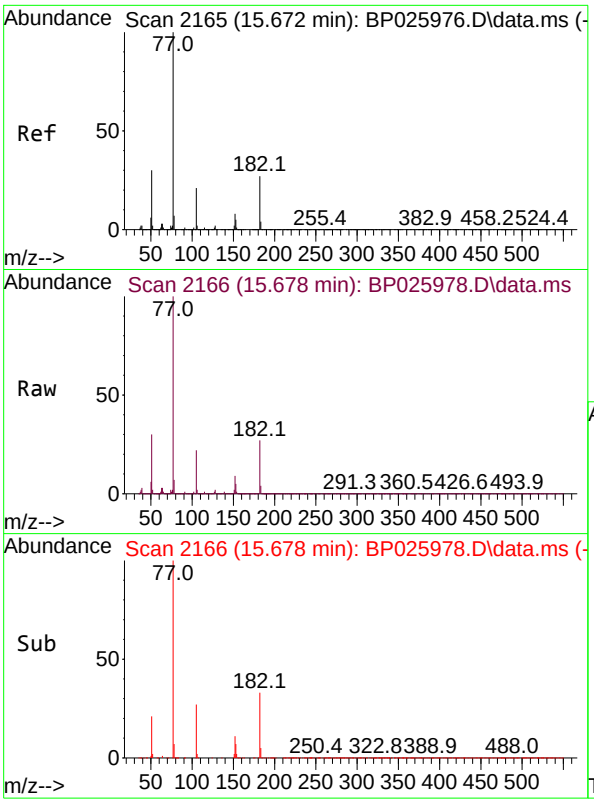


#62
4-Nitroaniline
Concen: 65.273 ng
RT: 15.437 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:138 Resp: 613935

Ion	Ratio	Lower	Upper
138	100		
92	52.2	32.5	72.5
108	86.0	62.7	102.7



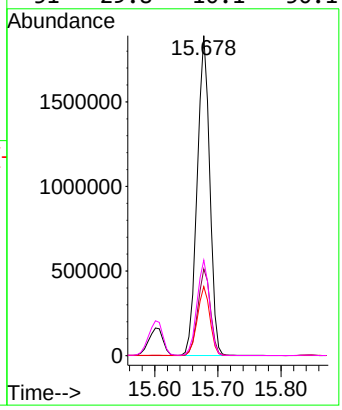


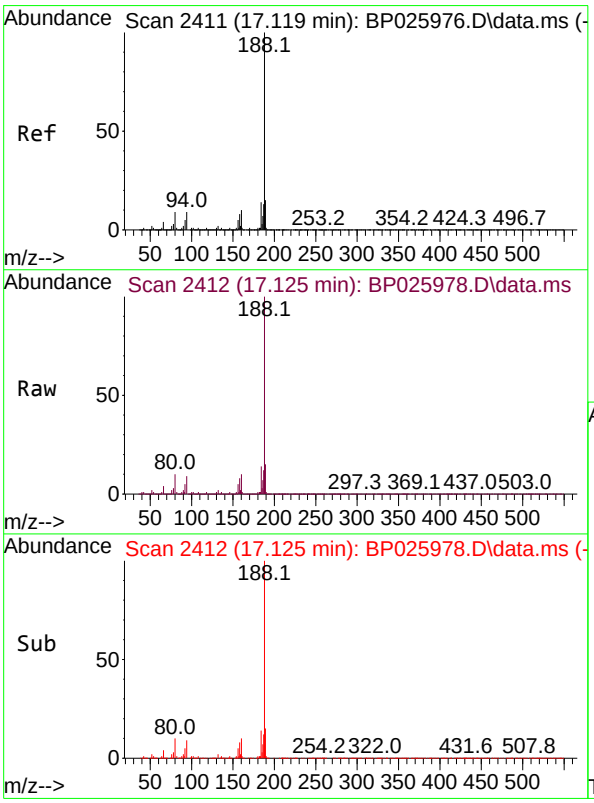
#63
Azobenzene
Concen: 59.152 ng
RT: 15.678 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 2611029

Ion	Ratio	Lower	Upper
77	100		
182	27.1	6.6	46.6
105	21.6	1.3	41.3
51	29.8	10.1	50.1

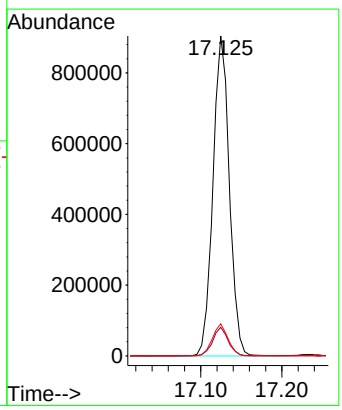


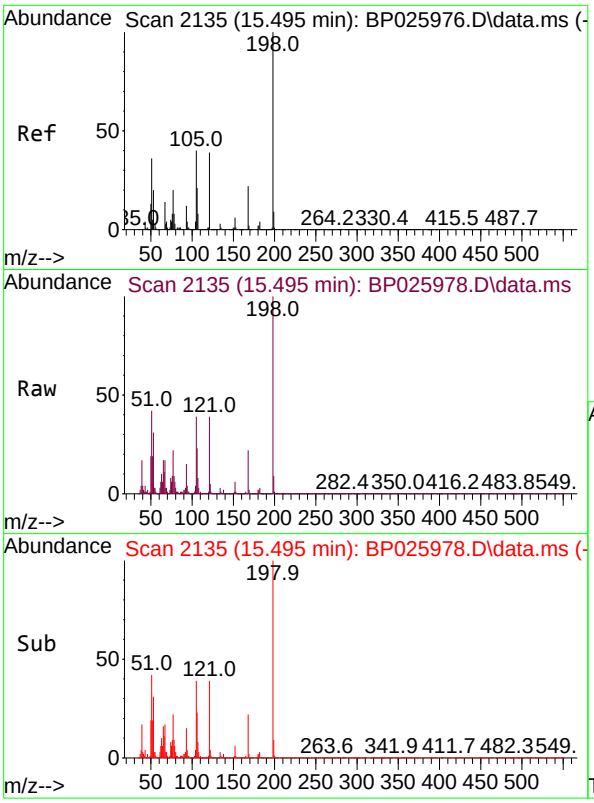


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:188 Resp: 1266860

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.8	10.2
80	10.0	7.2	10.8



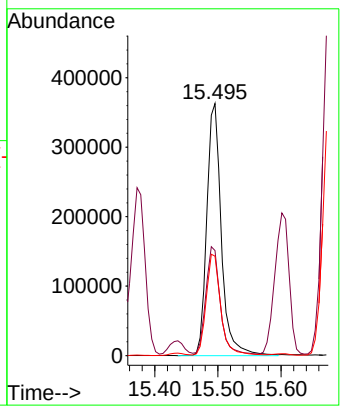


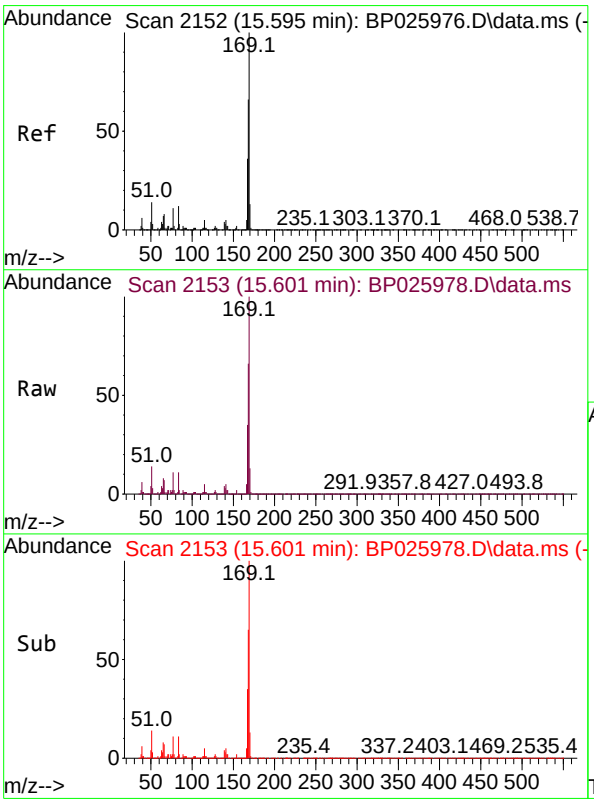
#65
4,6-Dinitro-2-methylphenol
Concen: 63.494 ng
RT: 15.495 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 581359

Ion	Ratio	Lower	Upper
198	100		
51	41.7	22.1	62.1
105	39.5	20.8	60.8

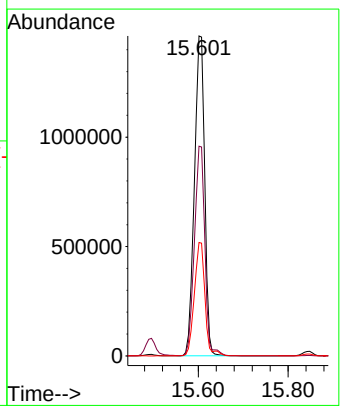


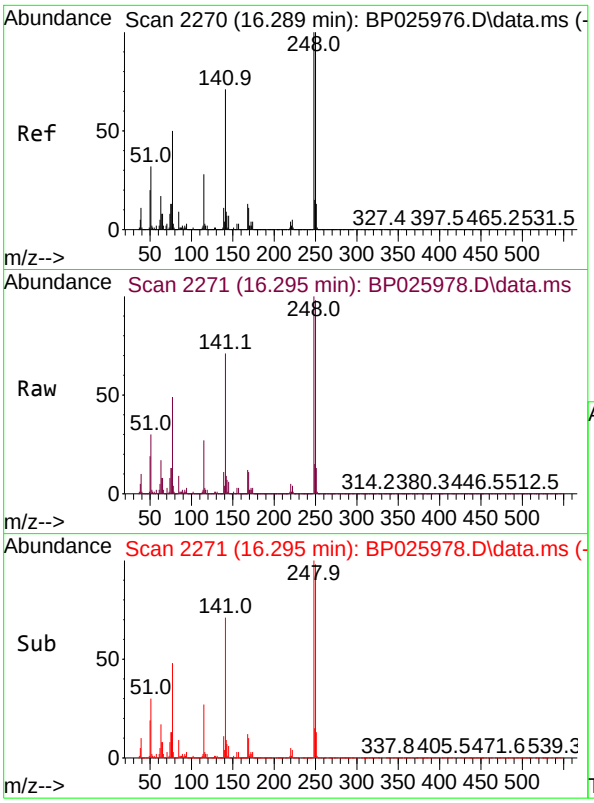


#66
n-Nitrosodiphenylamine
Concen: 56.929 ng
RT: 15.601 min Scan# 2153
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:169 Resp: 2320393

Ion	Ratio	Lower	Upper
169	100		
168	65.5	53.2	79.8
167	35.4	28.6	42.8



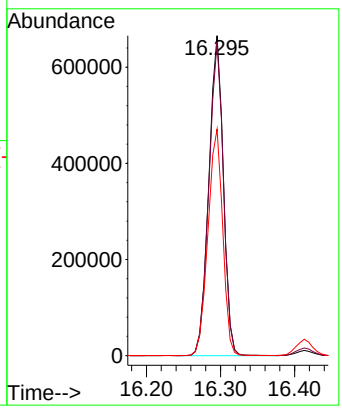


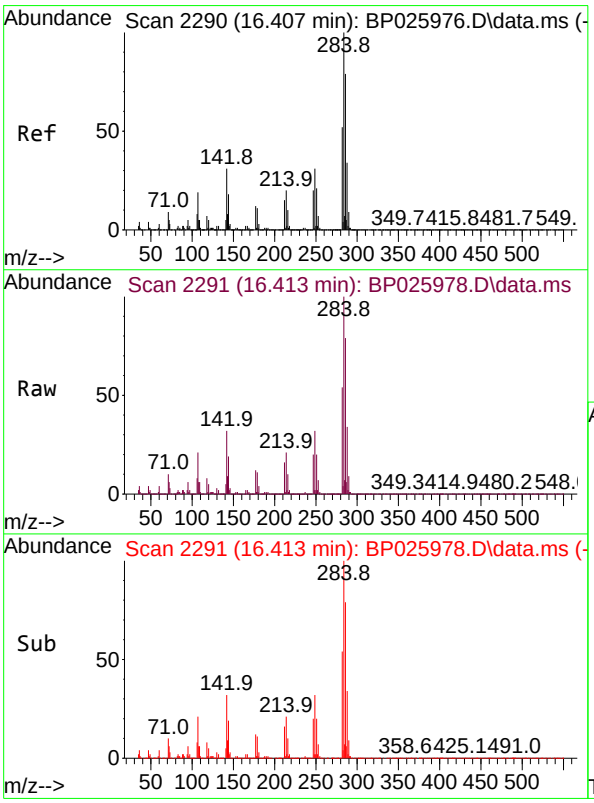
#67
4-Bromophenyl-phenylether
Concen: 57.984 ng
RT: 16.295 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 906674

Ion	Ratio	Lower	Upper
248	100		
250	97.9	79.8	119.6
141	70.8	57.0	85.4

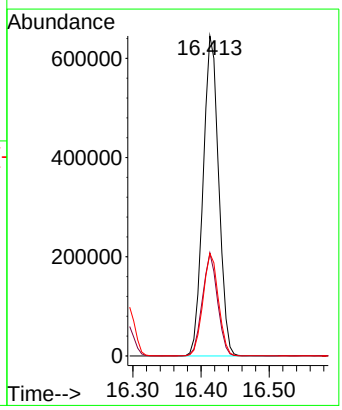


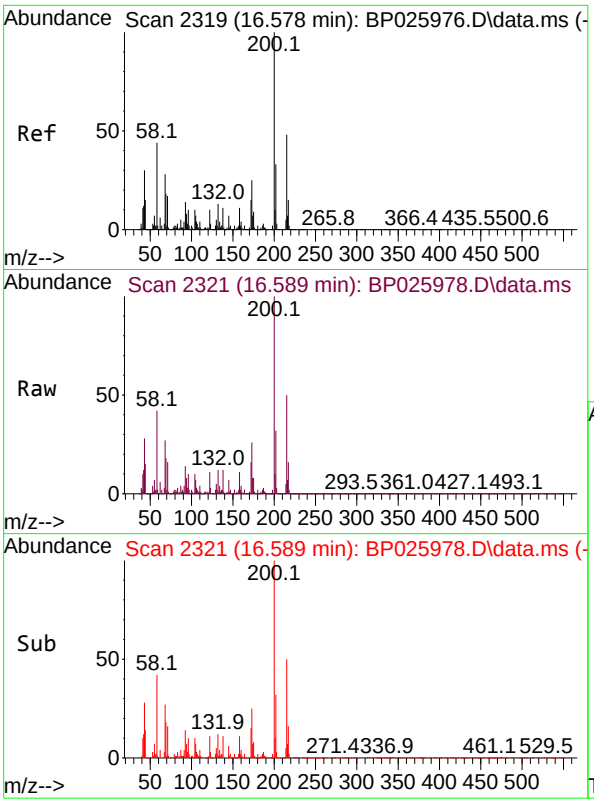


#68
Hexachlorobenzene
Concen: 58.427 ng
RT: 16.413 min Scan# 2291
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:284 Resp: 1024919

Ion	Ratio	Lower	Upper
284	100		
142	32.2	24.9	37.3
249	32.0	25.1	37.7



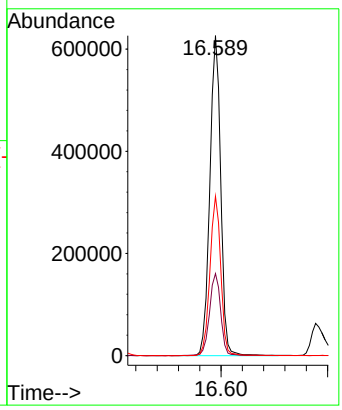


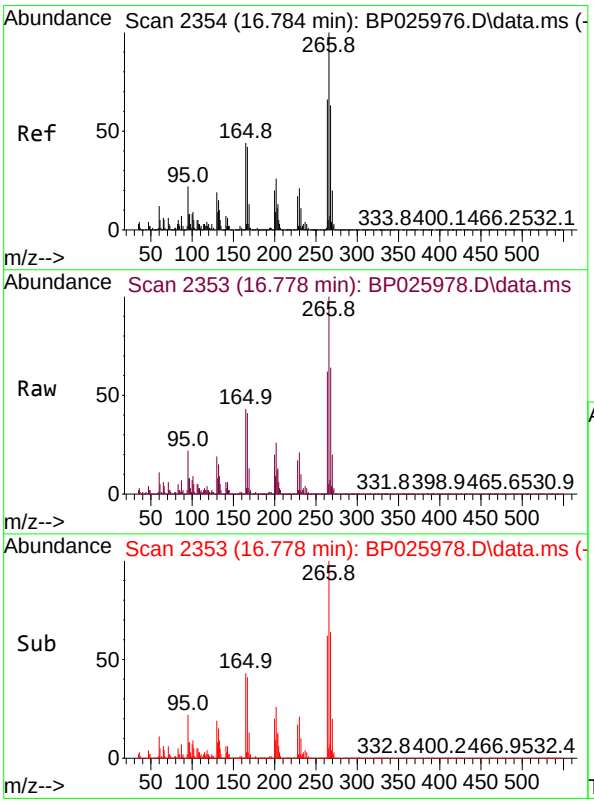
#69
Atrazine
Concen: 60.433 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 888612

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.3	45.3
215	49.8	28.2	68.2

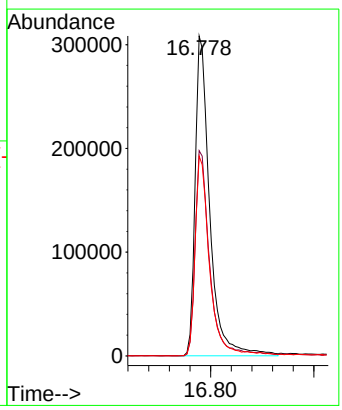


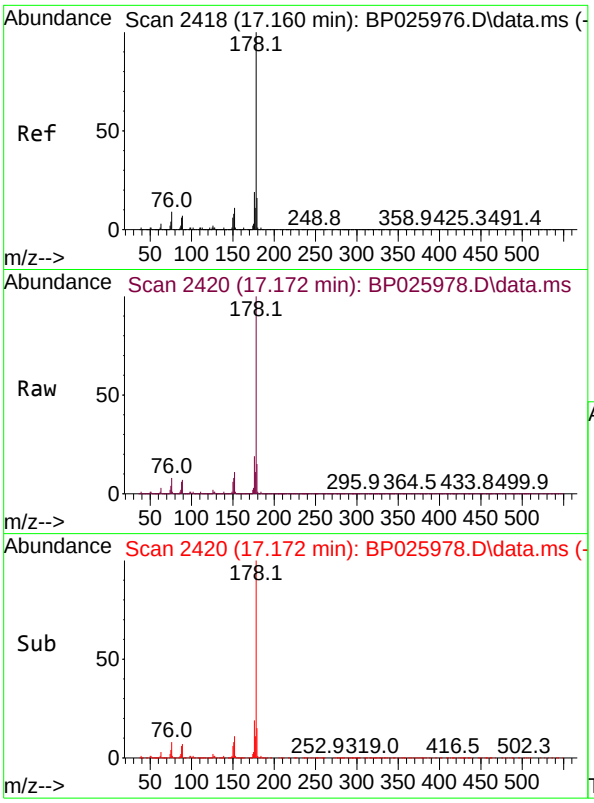


#70
Pentachlorophenol
Concen: 64.950 ng
RT: 16.778 min Scan# 2353
Delta R.T. -0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:266 Resp: 603630

Ion	Ratio	Lower	Upper
266	100		
268	64.1	50.5	75.7
264	62.4	52.9	79.3



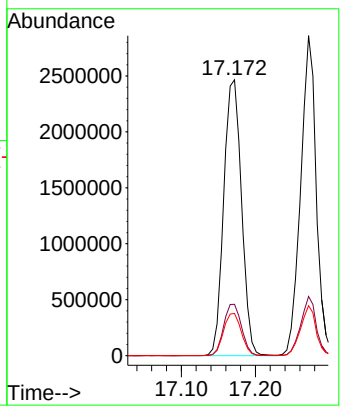


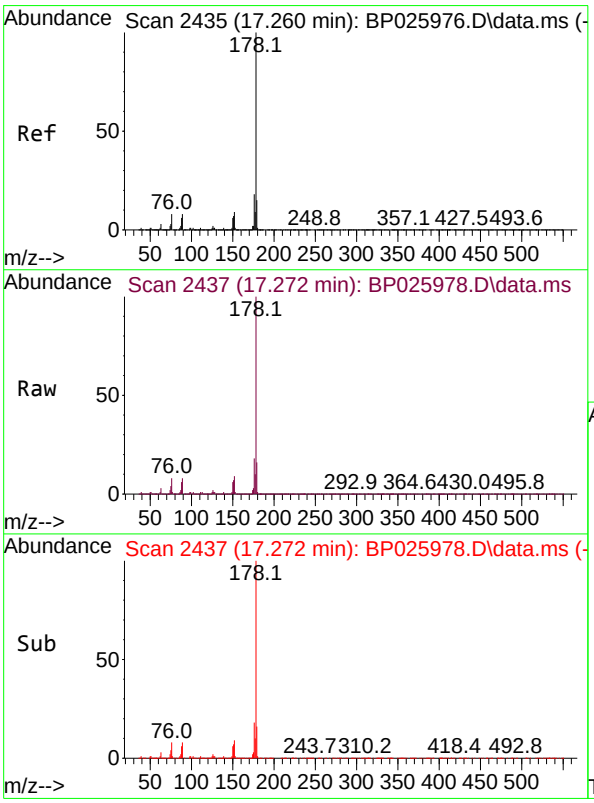
#71
Phenanthrene
Concen: 57.180 ng
RT: 17.172 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4105577

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	15.3	12.7	19.1

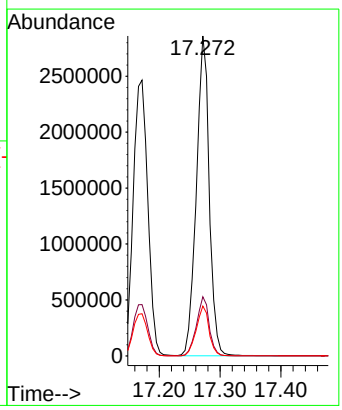


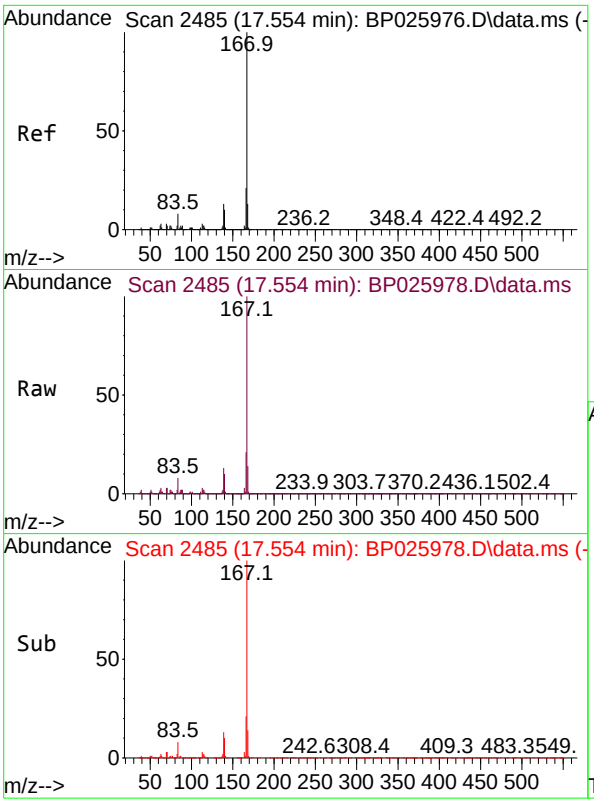


#72
Anthracene
Concen: 57.235 ng
RT: 17.272 min Scan# 2437
Delta R.T. 0.012 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:178 Resp: 4197852

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.6	12.3	18.5



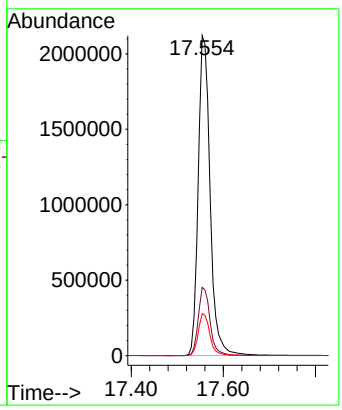


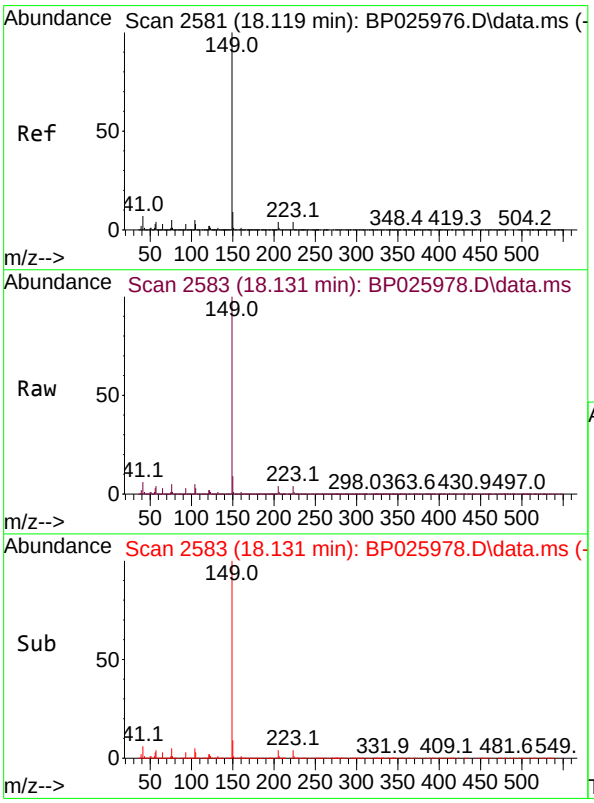
#73
Carbazole
Concen: 58.575 ng
RT: 17.554 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 3787172

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.7	25.1
139	13.1	10.2	15.2

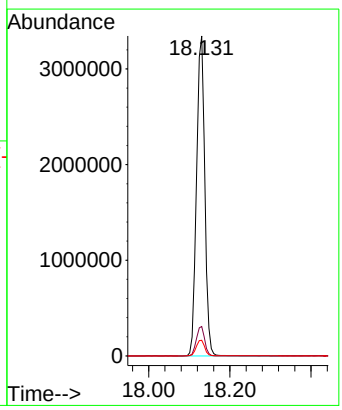


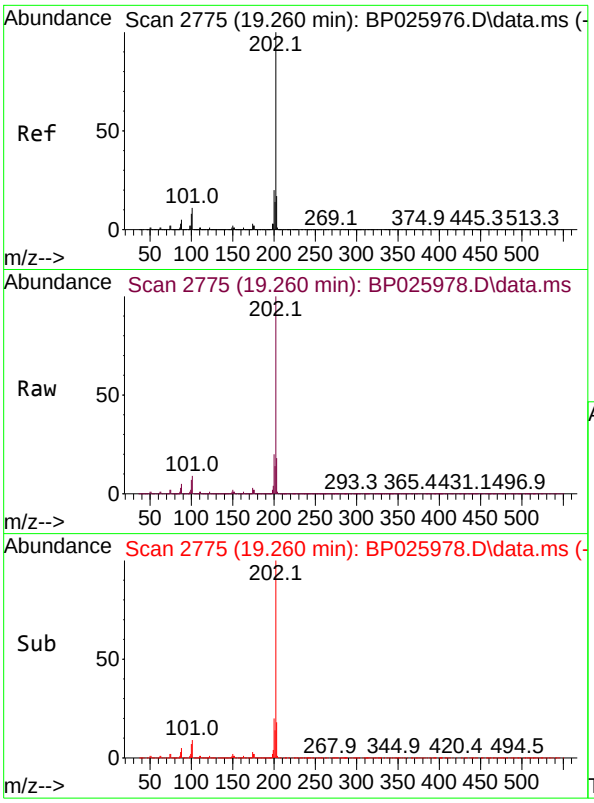


#74
Di-n-butylphthalate
Concen: 58.922 ng
RT: 18.131 min Scan# 2583
Delta R.T. 0.012 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:149 Resp: 4688320

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.9	4.1	6.1



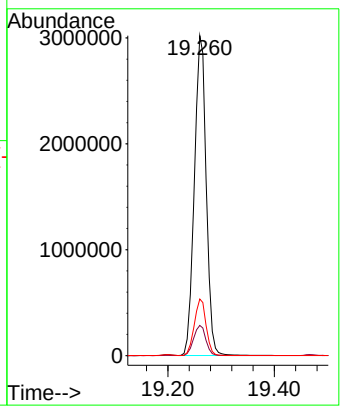


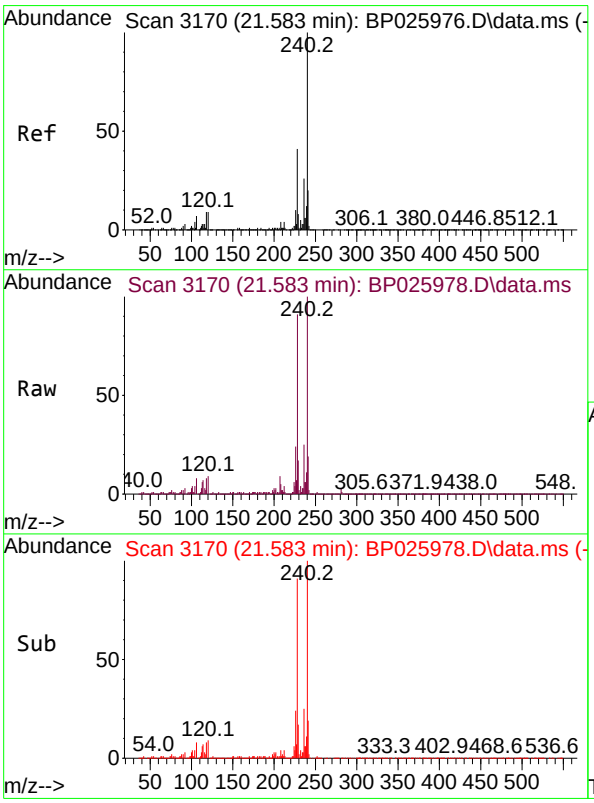
#75
Fluoranthene
Concen: 57.404 ng
RT: 19.260 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 4649285

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.5
203	17.7	0.0	37.1

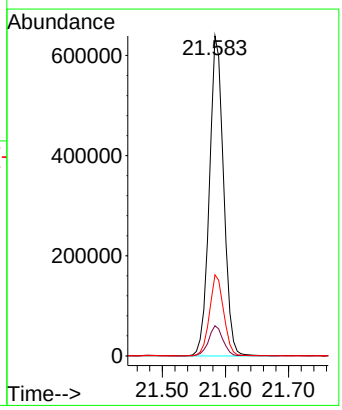


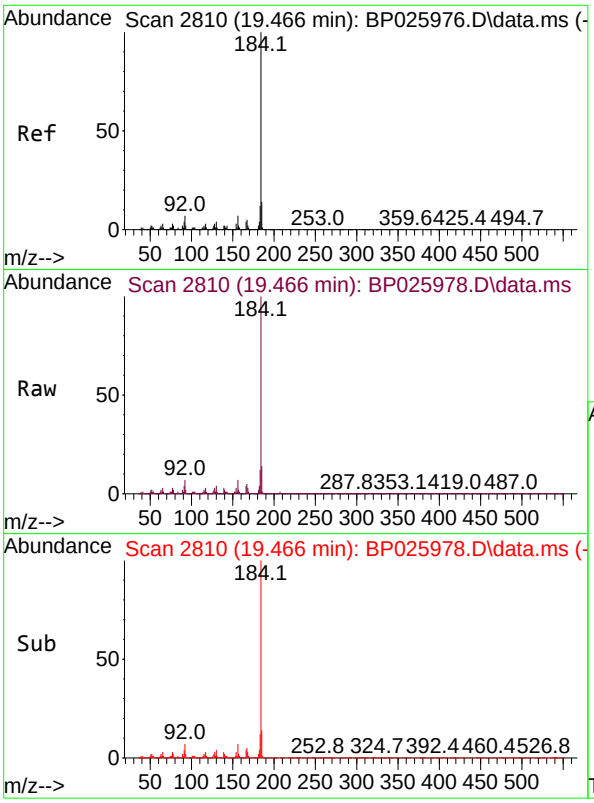


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:240 Resp: 1000938

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.4	11.0
236	25.4	20.4	30.6



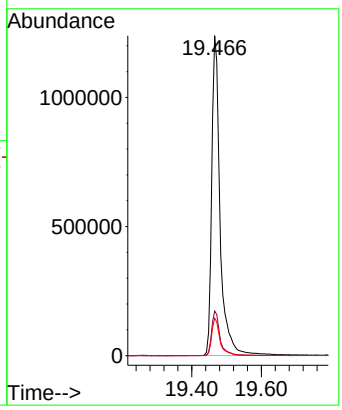


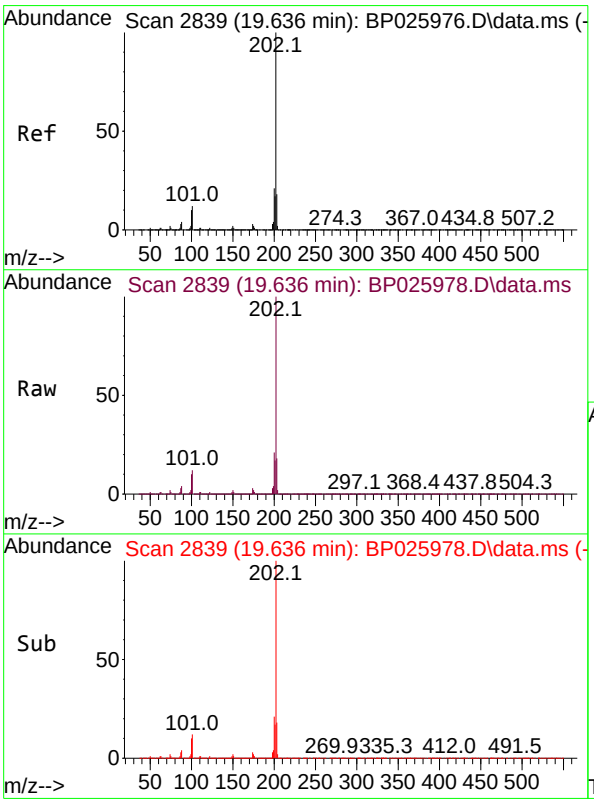
#77
Benzidine
Concen: 64.879 ng
RT: 19.466 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 2080786

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.4	17.0
183	11.7	9.4	14.2

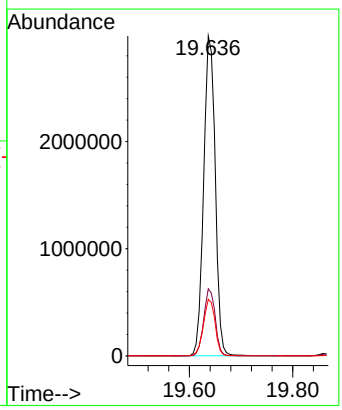


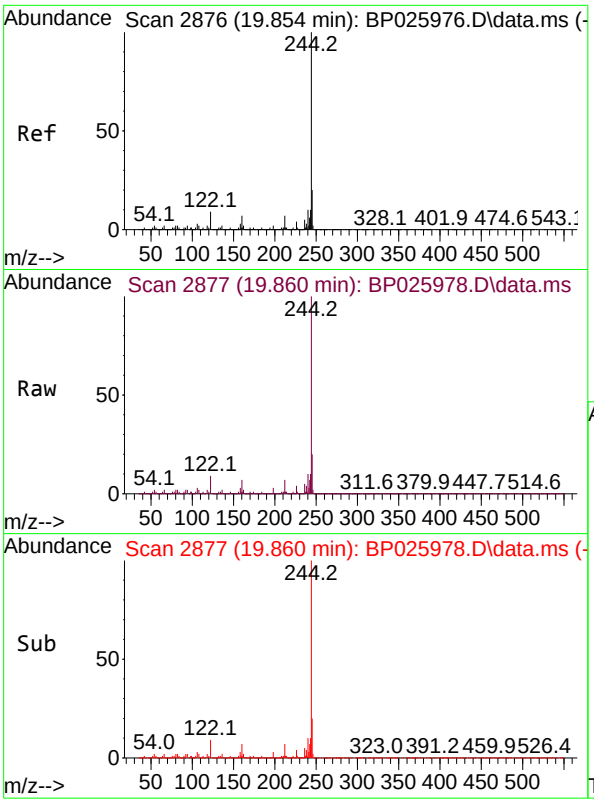


#78
Pyrene
Concen: 62.893 ng
RT: 19.636 min Scan# 2839
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:202 Resp: 4643064

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	17.7	14.1	21.1



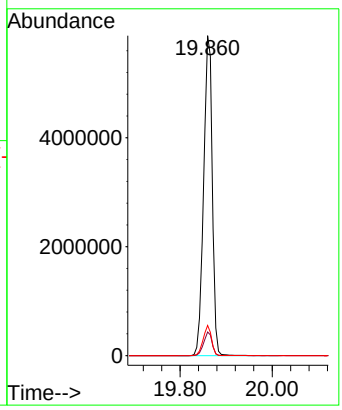


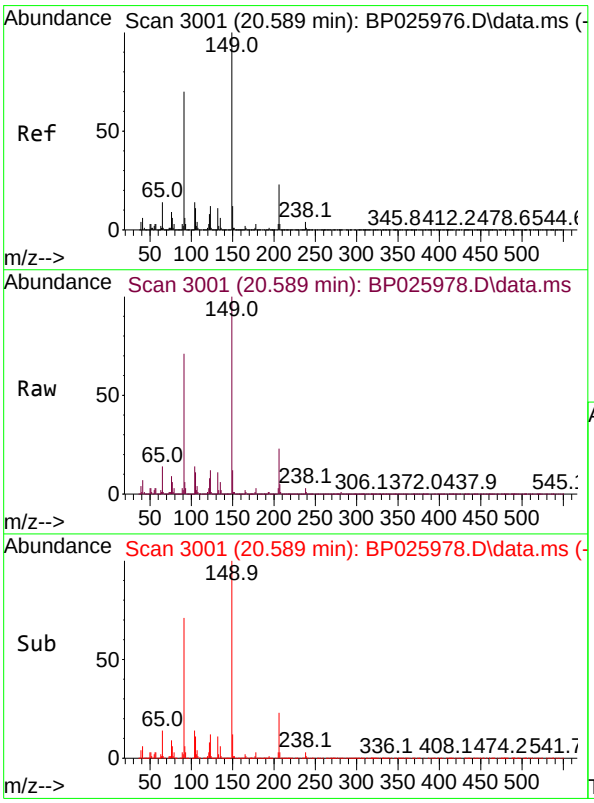
#79
Terphenyl-d14
Concen: 121.237 ng
RT: 19.860 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 7593058

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	9.4	7.1	10.7

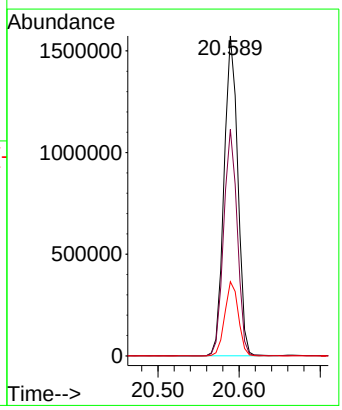


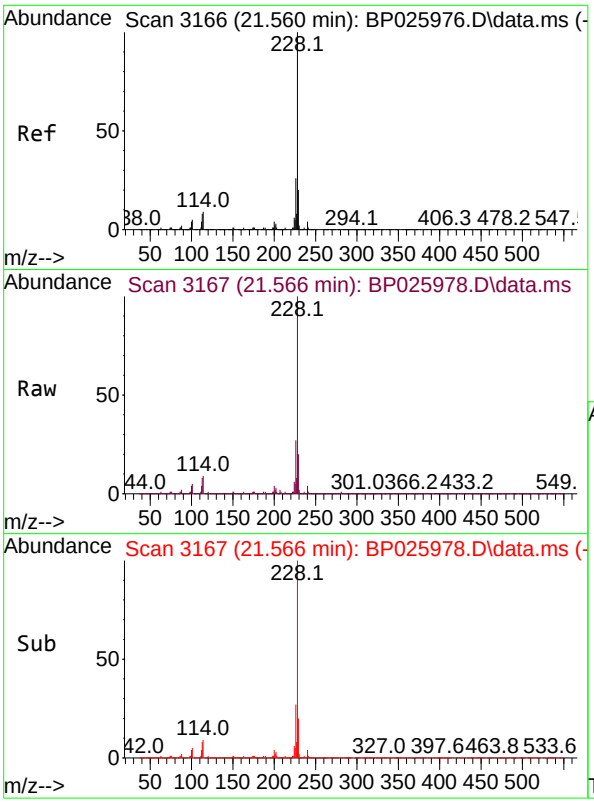


#80
Butylbenzylphthalate
Concen: 62.832 ng
RT: 20.589 min Scan# 3001
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:149 Resp: 1845898

Ion	Ratio	Lower	Upper
149	100		
91	70.8	56.0	84.0
206	23.2	18.6	27.8



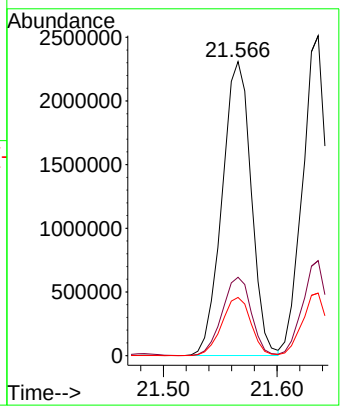


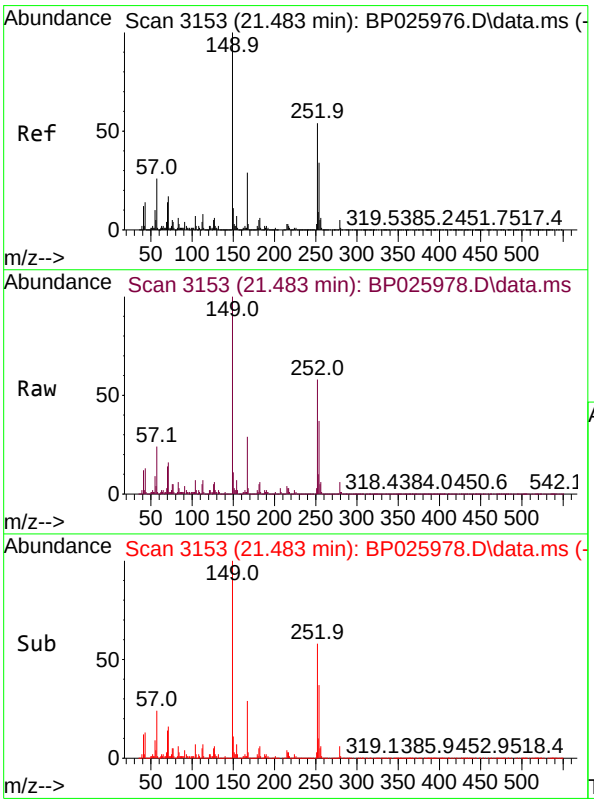
#81
Benzo(a)anthracene
Concen: 60.016 ng
RT: 21.566 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4108604

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.0	31.6
229	19.8	15.7	23.5

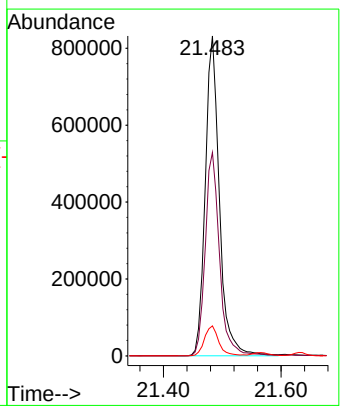


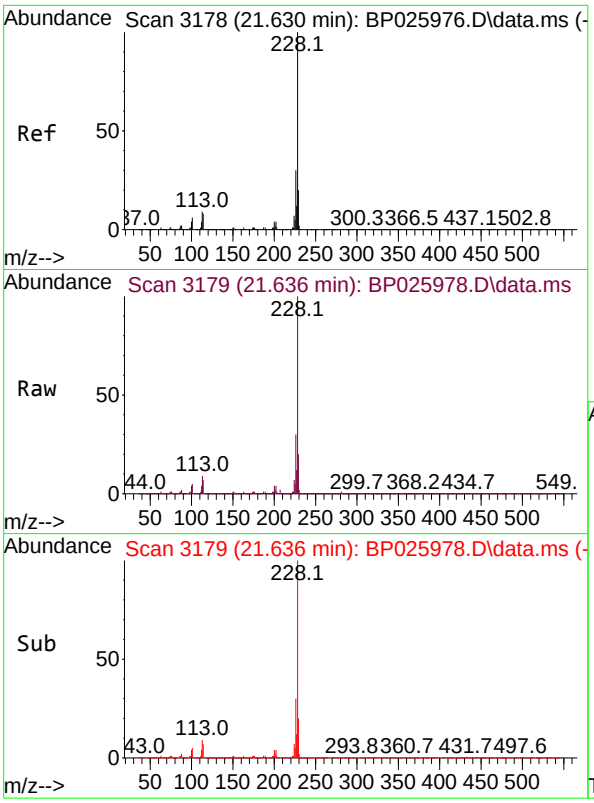


#82
3,3'-Dichlorobenzidine
Concen: 57.031 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:252 Resp: 1389385

Ion	Ratio	Lower	Upper
252	100		
254	63.6	50.6	75.8
126	9.4	8.0	12.0



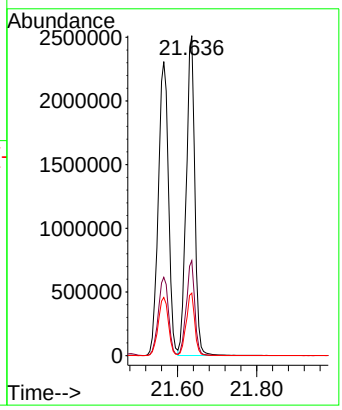


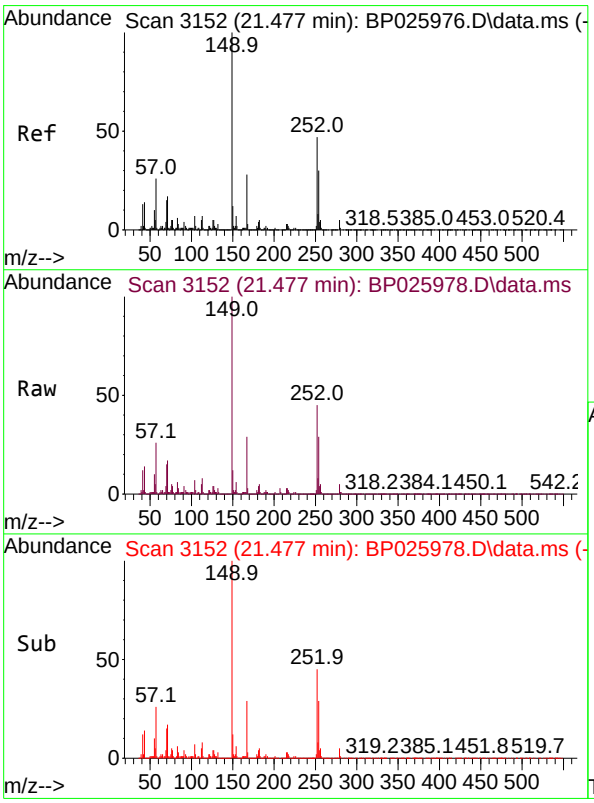
#83
Chrysene
Concen: 57.420 ng
RT: 21.636 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 3758514

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.5	35.3
229	19.5	15.6	23.4

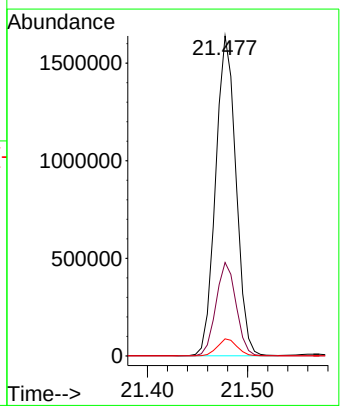


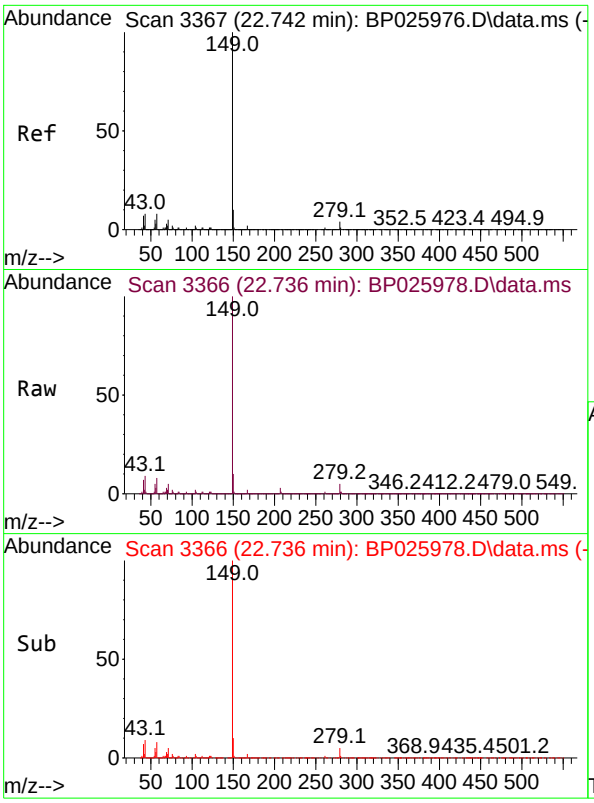


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.196 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:149 Resp: 2319735

Ion	Ratio	Lower	Upper
149	100		
167	29.2	22.8	34.2
279	5.3	3.8	5.8



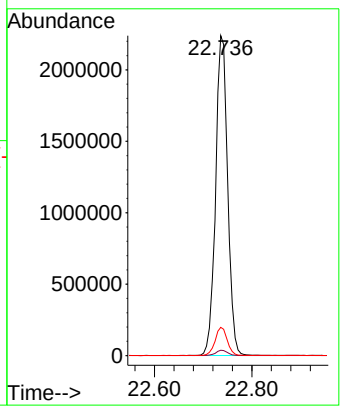


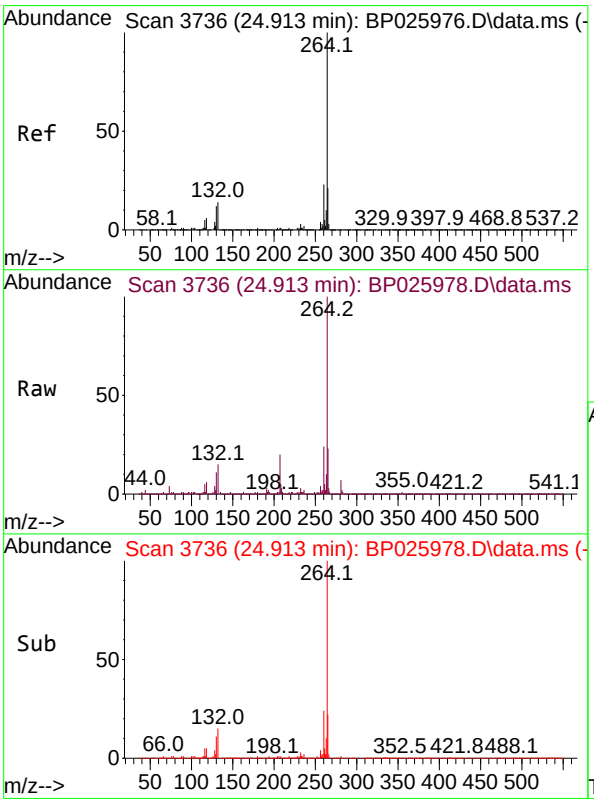
#85
Di-n-octyl phthalate
Concen: 55.393 ng
RT: 22.736 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 3836064

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.8	7.2	10.8

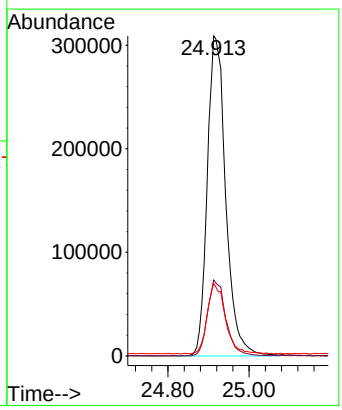


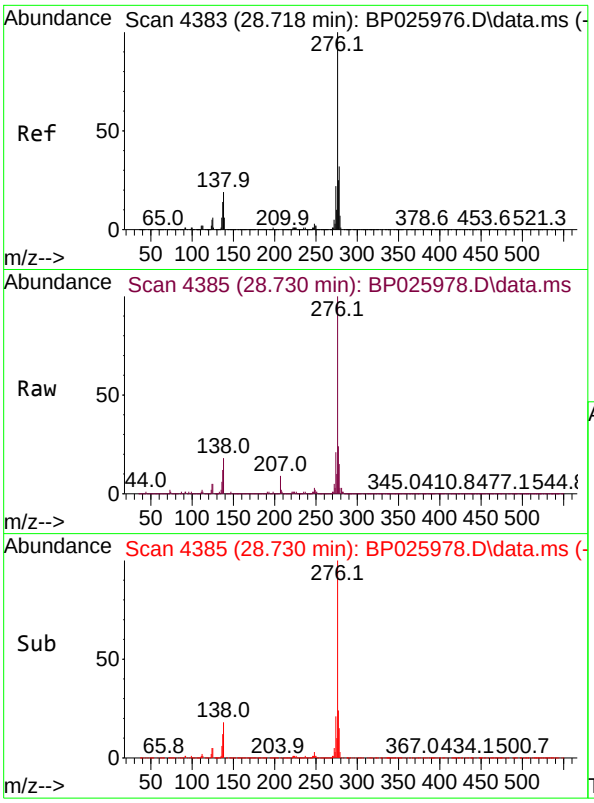


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.913 min Scan# 3736
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:264 Resp: 977865

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	22.6	17.7	26.5



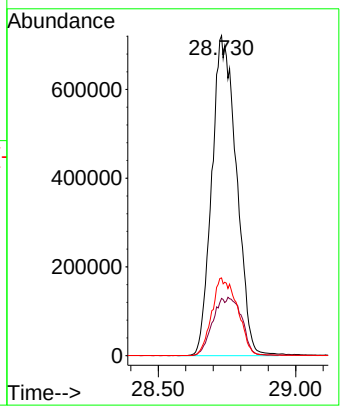


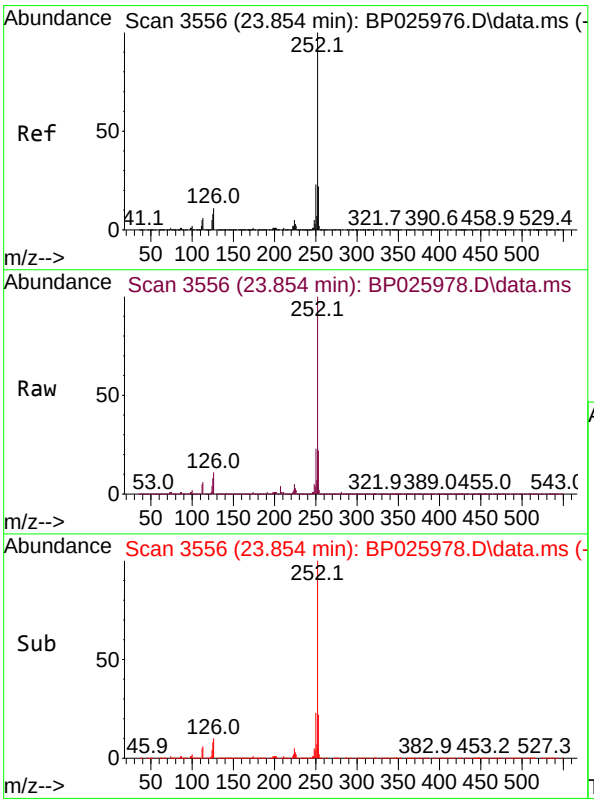
#87
Indeno(1,2,3-cd)pyrene
Concen: 60.821 ng
RT: 28.730 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 4480119

Ion	Ratio	Lower	Upper
276	100		
138	9.4	17.4	26.0#
277	25.4	20.3	30.5

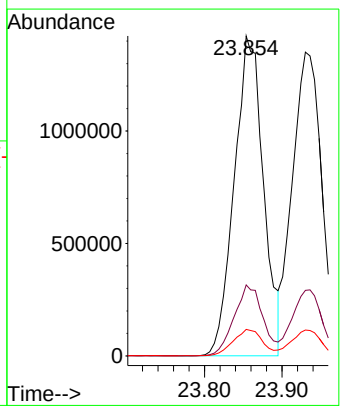


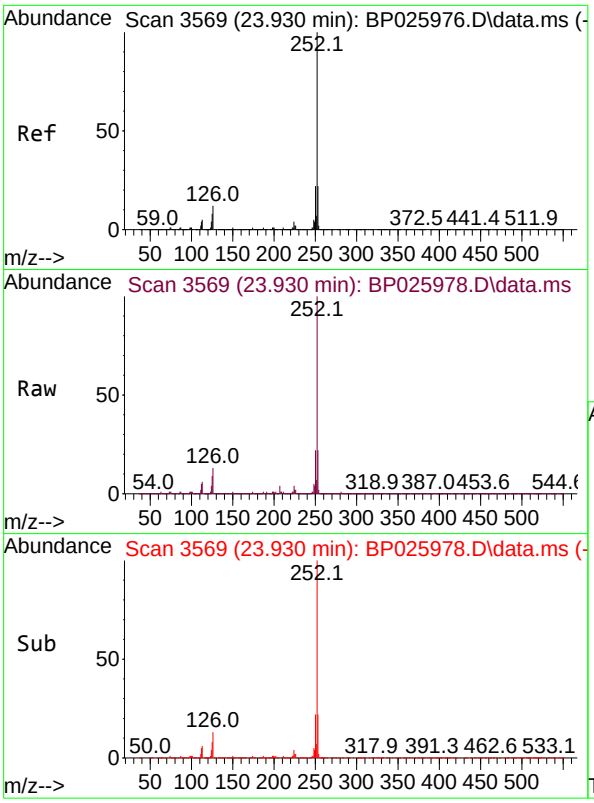


#88
Benzo(b)fluoranthene
Concen: 61.069 ng
RT: 23.854 min Scan# 3556
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:252 Resp: 3719143

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	8.3	6.8	10.2



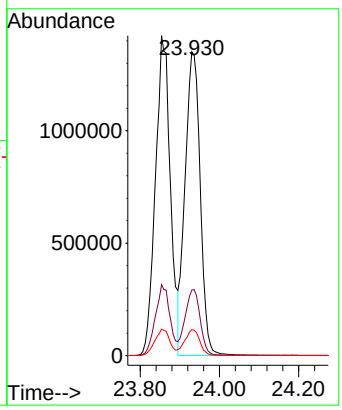


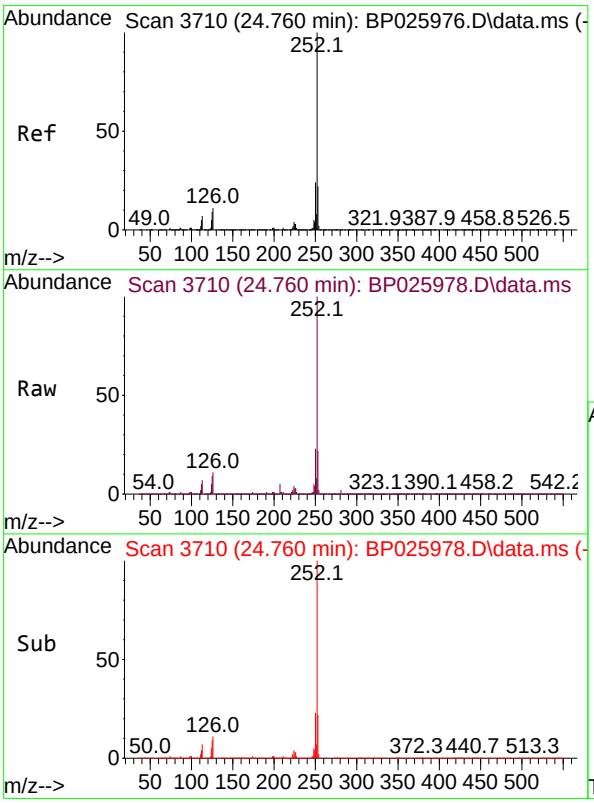
#89
Benzo(k)fluoranthene
Concen: 57.995 ng
RT: 23.930 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 3584480

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	8.5	6.6	10.0

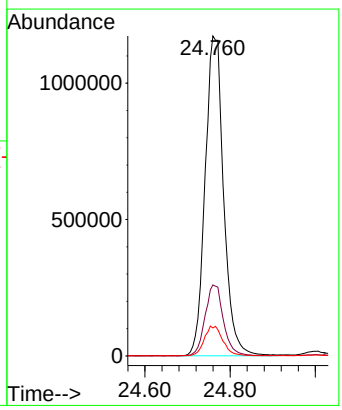


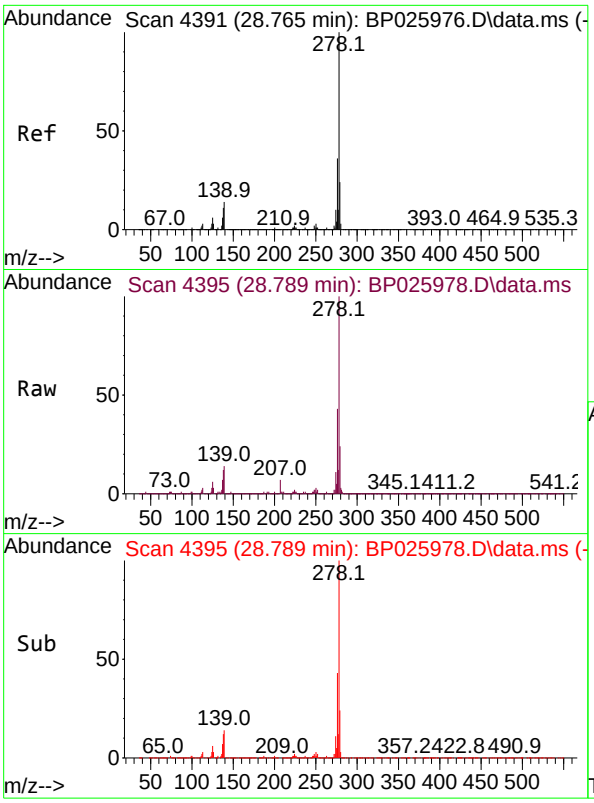


#90
Benzo(a)pyrene
Concen: 59.807 ng
RT: 24.760 min Scan# 3710
Delta R.T. 0.000 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:252 Resp: 3538984

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.7	7.4	11.2



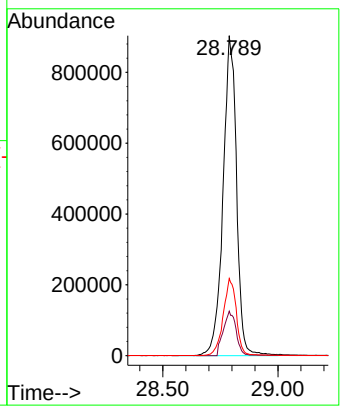


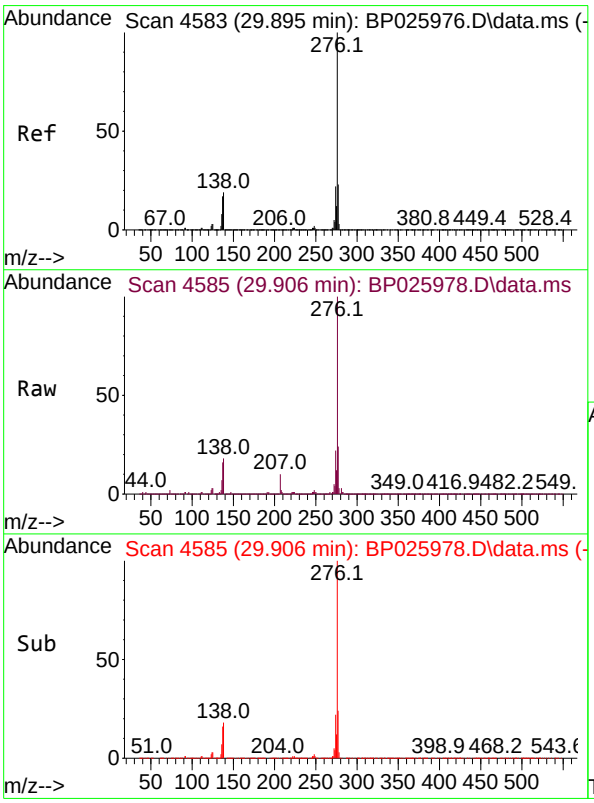
#91
Dibenzo(a,h)anthracene
Concen: 61.243 ng
RT: 28.789 min Scan# 4
Delta R.T. 0.024 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 3677453

Ion	Ratio	Lower	Upper
278	100		
139	13.9	10.9	16.3
279	24.1	19.5	29.3

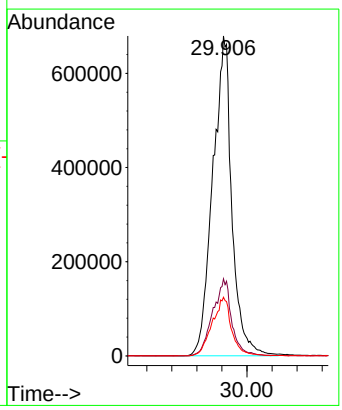




#92
Benzo(g,h,i)perylene
Concen: 61.019 ng
RT: 29.906 min Scan# 4585
Delta R.T. 0.012 min
Lab File: BP025978.D
Acq: 15 Oct 2025 17:13

Tgt Ion:276 Resp: 3589984

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	18.3	15.5	23.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025979.D
Acq On : 15 Oct 2025 18:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Oct 15 23:12:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.696	152	189087	20.000	ng		0.00
21) Naphthalene-d8	10.460	136	853829	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	573100	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1099586	20.000	ng		0.00
76) Chrysene-d12	21.577	240	809390	20.000	ng		0.00
86) Perylene-d12	24.918	264	924612	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.337	112	1821228	157.914	ng		0.00
7) Phenol-d6	6.908	99	2602237	161.683	ng		0.00
23) Nitrobenzene-d5	8.855	82	2906298	152.995	ng		0.00
42) 2,4,6-Tribromophenol	15.848	330	1247173	161.650	ng		0.00
45) 2-Fluorobiphenyl	12.931	172	6435200	143.923	ng		0.00
79) Terphenyl-d14	19.854	244	7917555	156.336	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.249	88	319965	70.040	ng		99
3) Pyridine	3.655	79	1002619	78.649	ng		99
4) n-Nitrosodimethylamine	3.561	42	434471	77.768	ng		100
6) Aniline	7.043	93	1750519	81.242	ng		99
8) 2-Chlorophenol	7.278	128	1067041	79.835	ng		99
9) Benzaldehyde	6.861	77	574464	66.887	ng		98
10) Phenol	6.937	94	1362857	83.868	ng		98
11) bis(2-Chloroethyl)ether	7.137	93	1051533	79.361	ng		99
12) 1,3-Dichlorobenzene	7.590	146	1118984	75.514	ng		99
13) 1,4-Dichlorobenzene	7.737	146	1139668	75.487	ng		100
14) 1,2-Dichlorobenzene	8.043	146	1126448	76.269	ng		100
15) Benzyl Alcohol	7.949	79	1106898	80.802	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.219	45	1562552	76.581	ng		99
17) 2-Methylphenol	8.160	107	956854	82.151	ng		99
18) Hexachloroethane	8.760	117	435195	75.537	ng		99
19) n-Nitroso-di-n-propyla...	8.508	70	908299	79.165	ng		98
20) 3+4-Methylphenols	8.490	107	1290002	79.487	ng		97
22) Acetophenone	8.519	105	1761662	75.893	ng	#	99
24) Nitrobenzene	8.896	77	1311475	77.636	ng		98
25) Isophorone	9.425	82	2634496	77.219	ng		100
26) 2-Nitrophenol	9.596	139	668745	81.745	ng		98
27) 2,4-Dimethylphenol	9.666	122	1102040	79.495	ng		99
28) bis(2-Chloroethoxy)met...	9.884	93	1539493	77.137	ng		98
29) 2,4-Dichlorophenol	10.143	162	1132443	81.983	ng		98
30) 1,2,4-Trichlorobenzene	10.331	180	1181311	75.540	ng		97
31) Naphthalene	10.513	128	3444501	74.784	ng		100
32) Benzoic acid	9.943	122	861099	85.553	ng		96
33) 4-Chloroaniline	10.631	127	1569828	80.257	ng		98
34) Hexachlorobutadiene	10.790	225	779931	75.359	ng		100
35) Caprolactam	11.490	113	389337	79.204	ng		95
36) 4-Chloro-3-methylphenol	11.784	107	1299013	80.101	ng		98
37) 2-Methylnaphthalene	12.125	142	2280979	75.638	ng		99
38) 1-Methylnaphthalene	12.343	142	2398064	75.390	ng		100
40) 1,2,4,5-Tetrachloroben...	12.496	216	1431042	76.683	ng		100
41) Hexachlorocyclopentadiene	12.466	237	879241	79.939	ng		100
43) 2,4,6-Trichlorophenol	12.754	196	962749	81.277	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025979.D
Acq On : 15 Oct 2025 18:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Oct 15 23:12:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.848	196	1052298	81.582	ng		99
46) 1,1'-Biphenyl	13.143	154	3239748	74.836	ng		99
47) 2-Chloronaphthalene	13.190	162	2557460	75.554	ng		100
48) 2-Nitroaniline	13.407	65	868144	82.291	ng		99
49) Acenaphthylene	14.037	152	4135556	75.562	ng		100
50) Dimethylphthalate	13.784	163	3291729	75.990	ng		100
51) 2,6-Dinitrotoluene	13.901	165	733002	78.371	ng		100
52) Acenaphthene	14.384	154	2361915	74.733	ng		100
53) 3-Nitroaniline	14.248	138	766639	83.284	ng		99
54) 2,4-Dinitrophenol	14.472	184	496006	78.171	ng		95
55) Dibenzofuran	14.731	168	3754843	74.197	ng		99
56) 4-Nitrophenol	14.607	139	516599	91.443	ng		98
57) 2,4-Dinitrotoluene	14.713	165	1000653	78.959	ng		97
58) Fluorene	15.389	166	3035330	74.644	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.972	232	929263	80.289	ng		100
60) Diethylphthalate	15.160	149	3237994	75.812	ng		99
61) 4-Chlorophenyl-phenyle...	15.378	204	1612838	75.425	ng		100
62) 4-Nitroaniline	15.442	138	698625	82.358	ng		98
63) Azobenzene	15.678	77	3039918	76.360	ng		98
65) 4,6-Dinitro-2-methylph...	15.501	198	660428	83.102	ng		97
66) n-Nitrosodiphenylamine	15.601	169	2665421	75.342	ng		100
67) 4-Bromophenyl-phenylether	16.289	248	1064527	78.435	ng		96
68) Hexachlorobenzene	16.419	284	1185605	77.869	ng		98
69) Atrazine	16.584	200	981431	76.899	ng		98
70) Pentachlorophenol	16.784	266	683260	84.702	ng		98
71) Phenanthrene	17.172	178	4551842	73.039	ng		100
72) Anthracene	17.266	178	4682643	73.557	ng		100
73) Carbazole	17.554	167	4116696	73.357	ng		99
74) Di-n-butylphthalate	18.131	149	5042014	73.006	ng		100
75) Fluoranthene	19.266	202	4842528	68.886	ng		98
77) Benzidine	19.460	184	1982980	76.462	ng		100
78) Pyrene	19.642	202	4796481	80.348	ng		100
80) Butylbenzylphthalate	20.577	149	1860728	78.326	ng		98
81) Benzo(a)anthracene	21.554	228	4208838	76.030	ng		99
82) 3,3'-Dichlorobenzidine	21.477	252	1494723	75.874	ng		99
83) Chrysene	21.624	228	3961327	74.840	ng		99
84) Bis(2-ethylhexyl)phtha...	21.477	149	2498012	76.168	ng		99
85) Di-n-octyl phthalate	22.742	149	4469657	79.816	ng		99
87) Indeno(1,2,3-cd)pyrene	28.724	276	5492824	78.864	ng	#	88
88) Benzo(b)fluoranthene	23.854	252	4325350	75.113	ng		100
89) Benzo(k)fluoranthene	23.924	252	4286887	73.354	ng		100
90) Benzo(a)pyrene	24.765	252	4247050	75.907	ng		100
91) Dibenzo(a,h)anthracene	28.783	278	4509812	79.430	ng		99
92) Benzo(g,h,i)perylene	29.912	276	4440642	79.824	ng		98

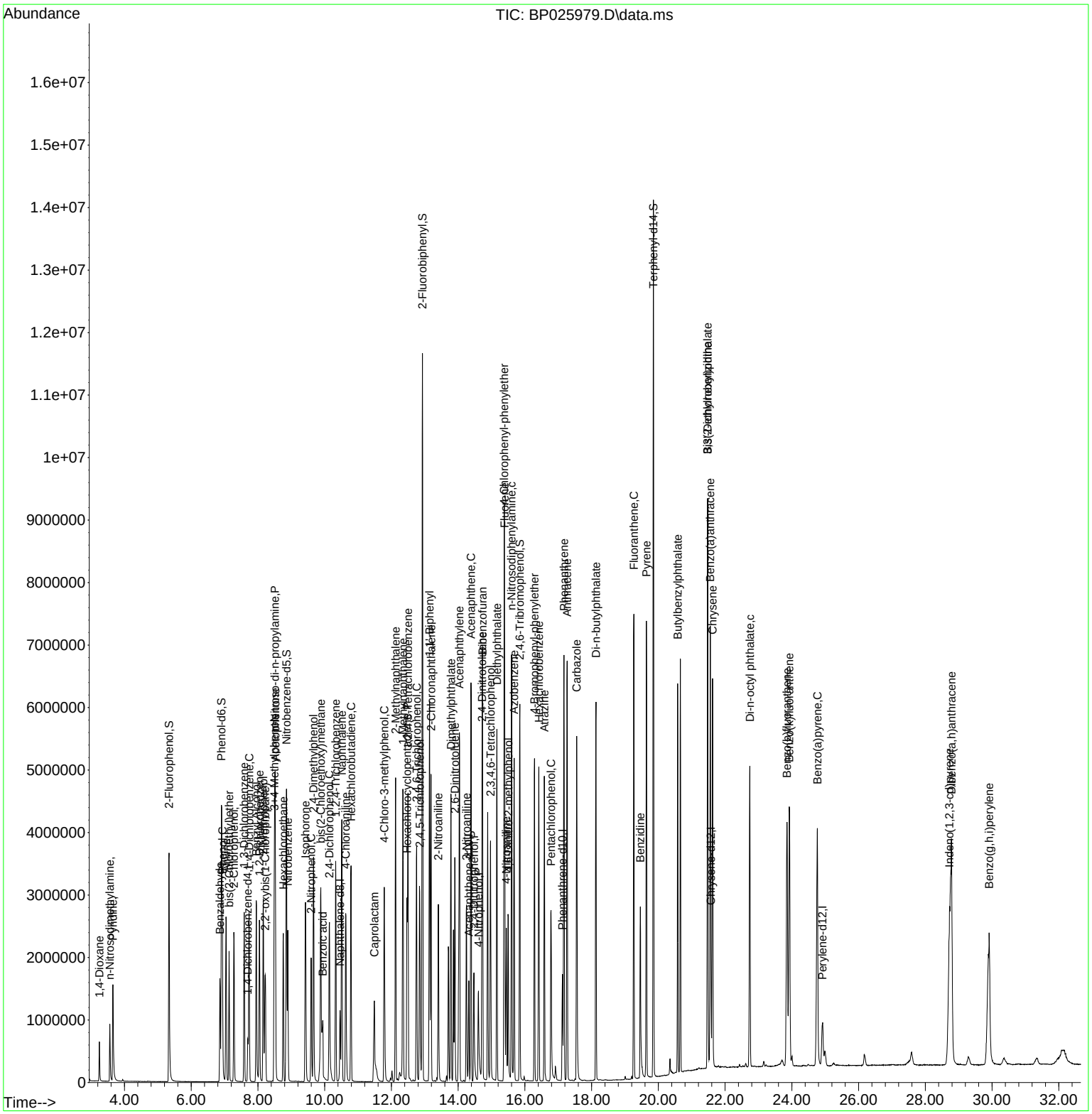
(#) = qualifier out of range (m) = manual integration (+) = signals summed

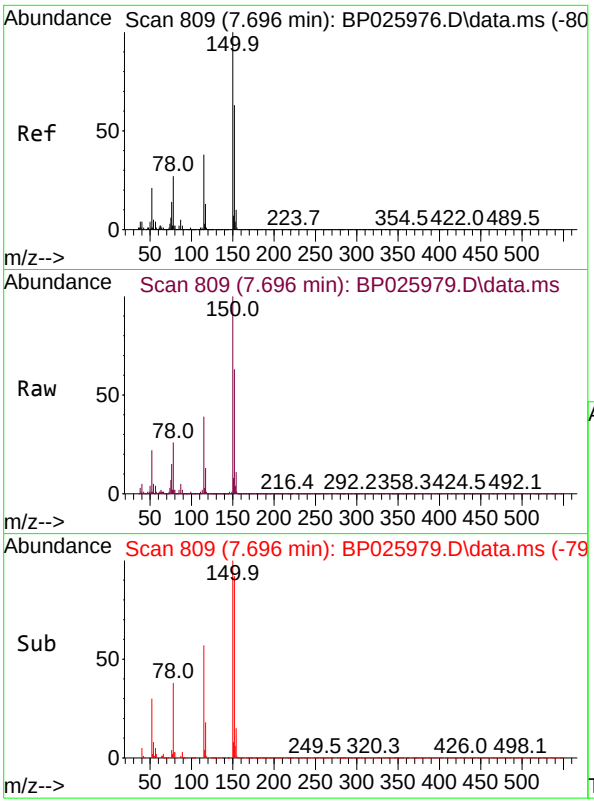
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025979.D
Acq On : 15 Oct 2025 18:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Oct 15 23:12:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:04:36 2025
Response via : Initial Calibration



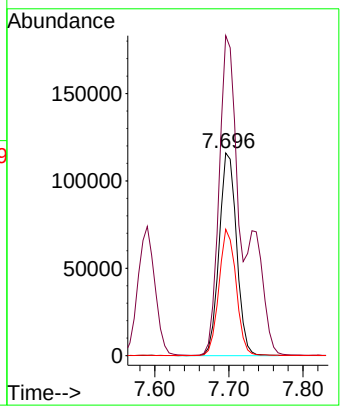


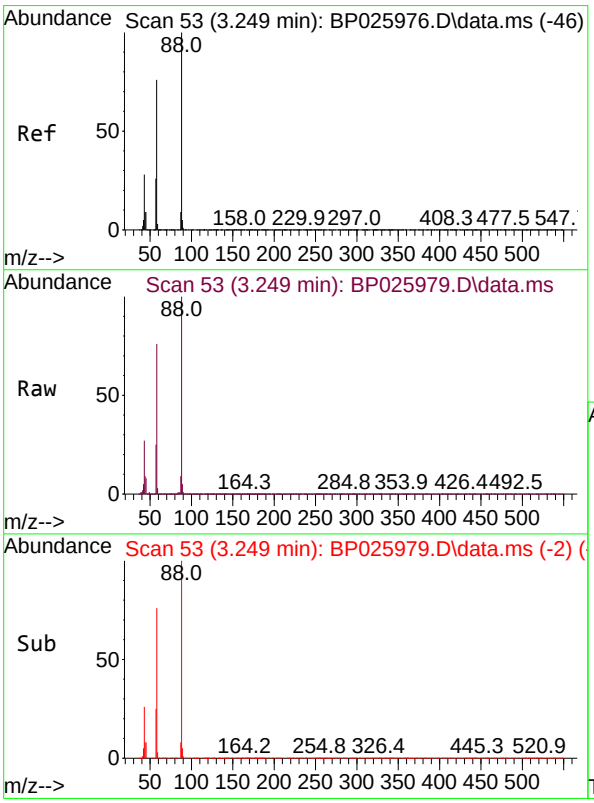
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.696 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 189087

Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.3	190.9
115	62.4	48.7	73.1

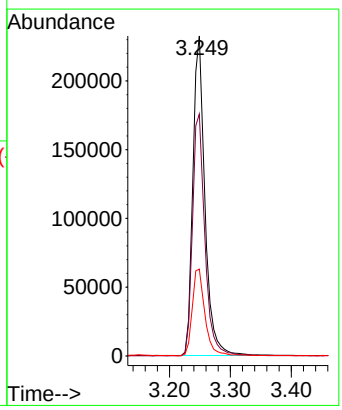


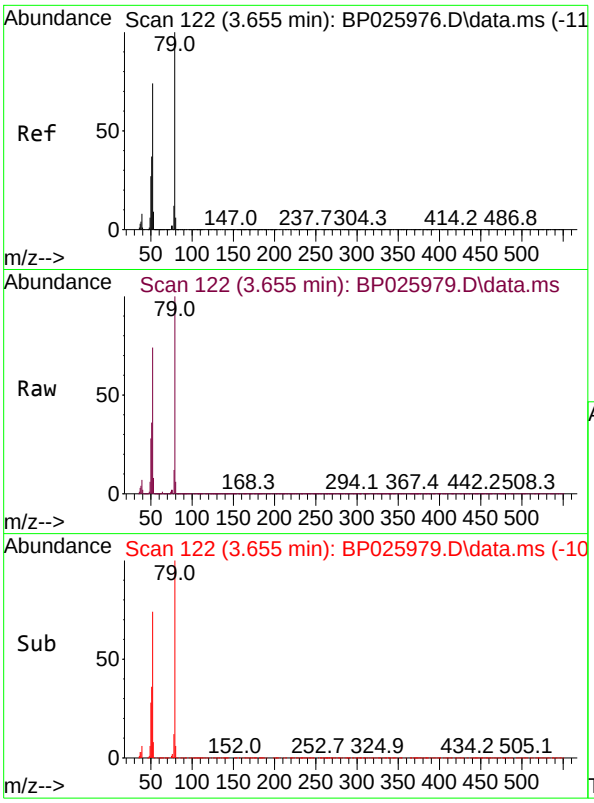


#2
1,4-Dioxane
Concen: 70.040 ng
RT: 3.249 min Scan# 53
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion: 88 Resp: 319965

Ion	Ratio	Lower	Upper
88	100		
58	78.0	61.9	92.9
43	28.7	22.6	33.8



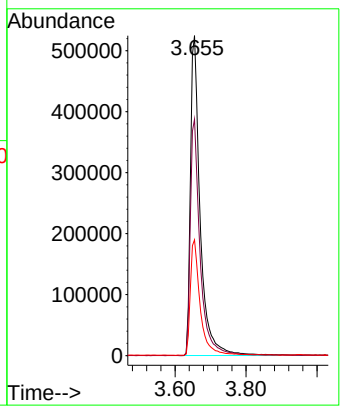


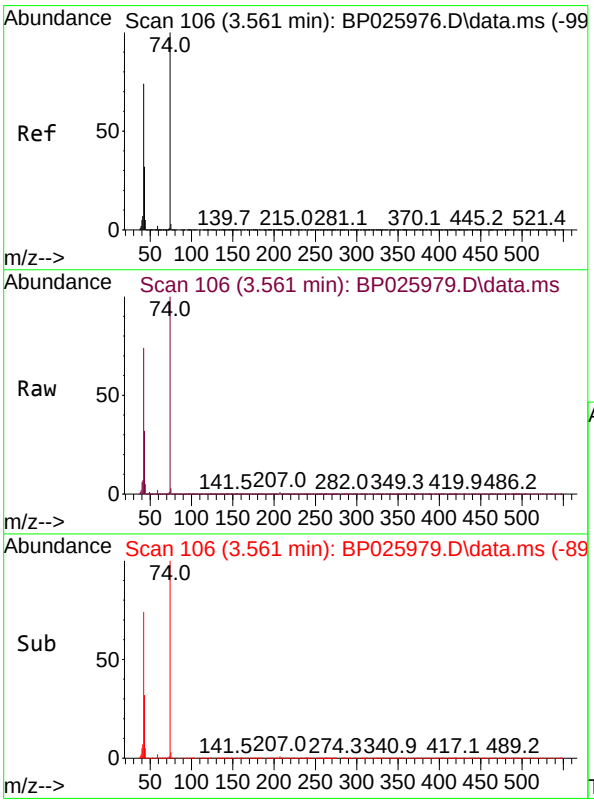
#3
Pyridine
Concen: 78.649 ng
RT: 3.655 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1002619

Ion	Ratio	Lower	Upper
79	100		
52	73.9	59.0	88.4
51	36.2	29.5	44.3

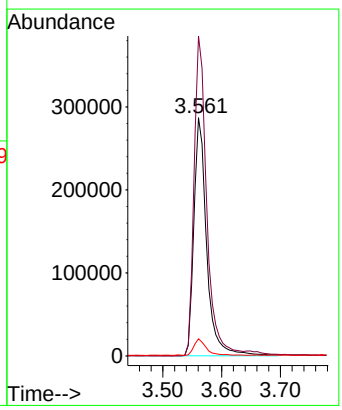


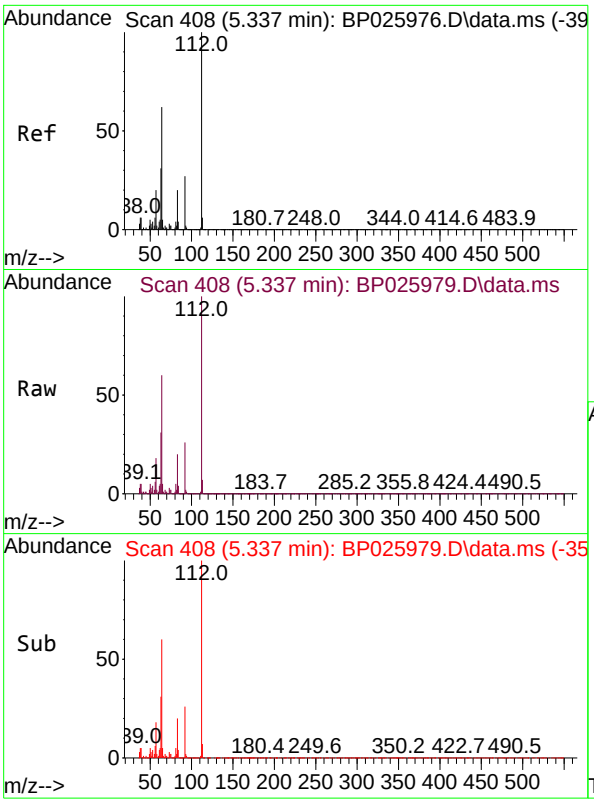


#4
n-Nitrosodimethylamine
Concen: 77.768 ng
RT: 3.561 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion: 42 Resp: 434471

Ion	Ratio	Lower	Upper
42	100		
74	134.3	107.4	161.0
44	7.1	6.0	9.0



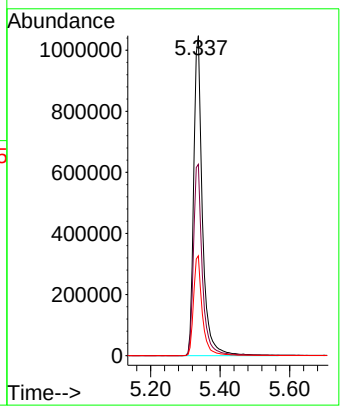


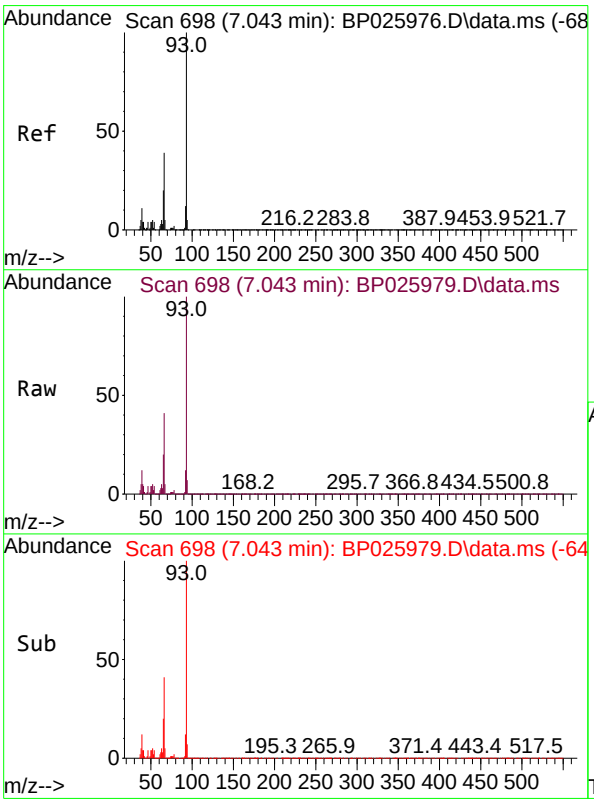
#5
2-Fluorophenol
Concen: 157.914 ng
RT: 5.337 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1821228

Ion	Ratio	Lower	Upper
112	100		
64	59.8	49.9	74.9
63	31.2	24.9	37.3

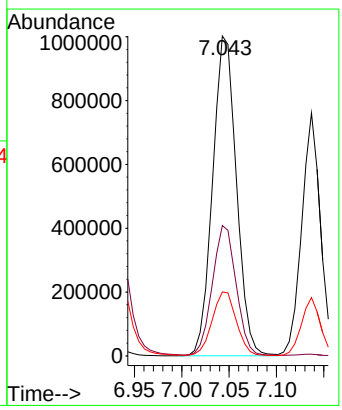


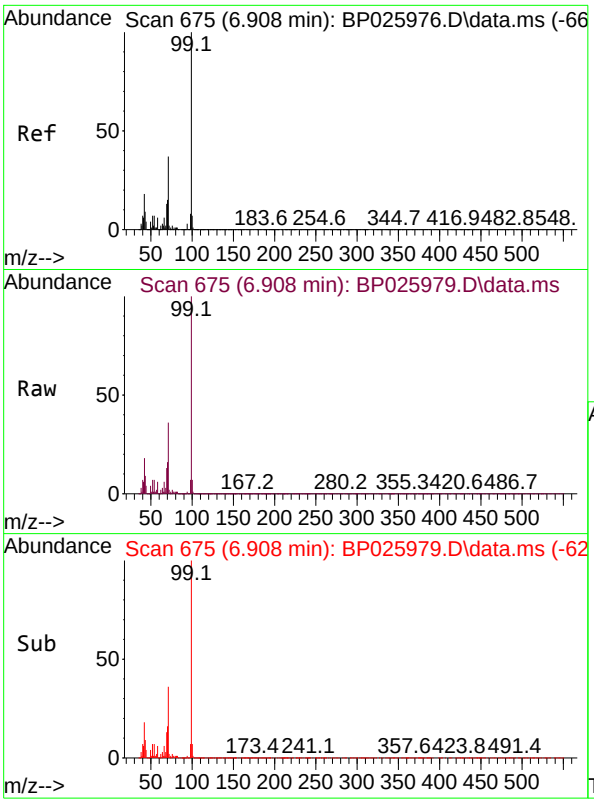


#6
Aniline
Concen: 81.242 ng
RT: 7.043 min Scan# 698
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion: 93 Resp: 1750519

Ion	Ratio	Lower	Upper
93	100		
66	40.7	31.8	47.8
65	20.0	16.3	24.5



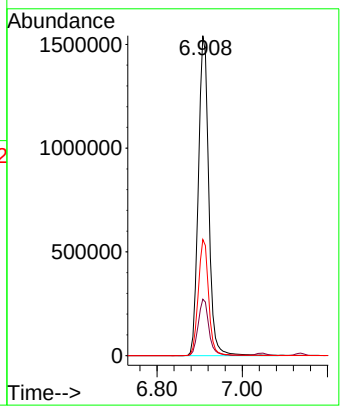


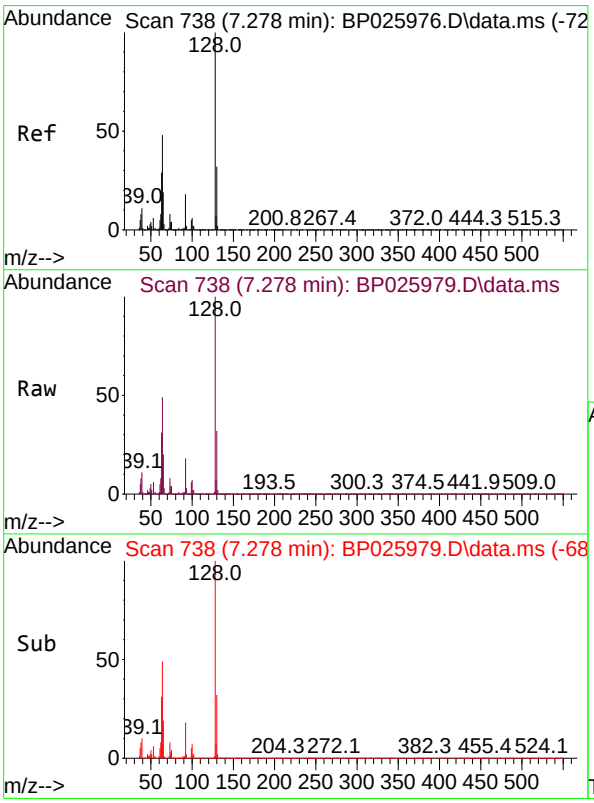
#7
Phenol-d6
Concen: 161.683 ng
RT: 6.908 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 2602237

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.2	21.4
71	36.3	29.4	44.0

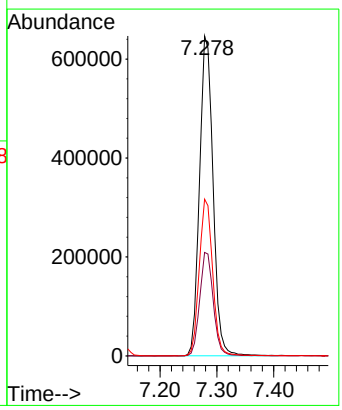


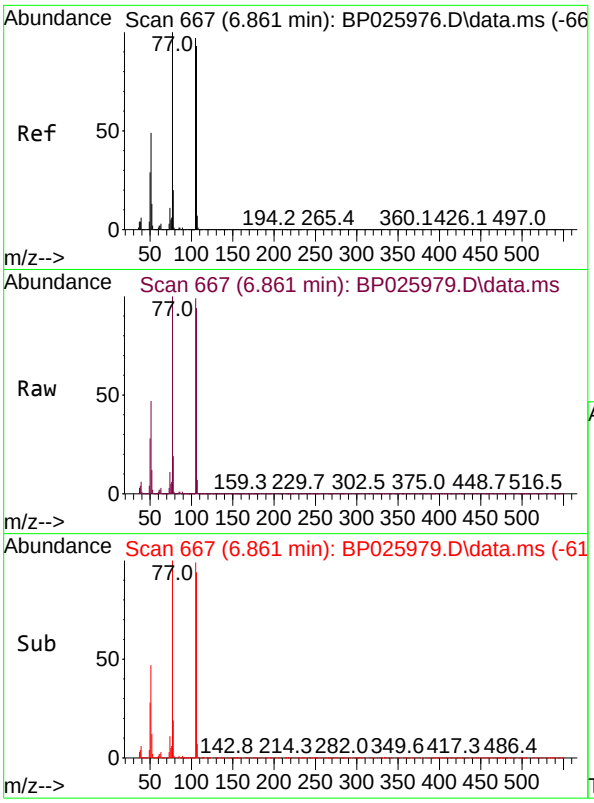


#8
2-Chlorophenol
Concen: 79.835 ng
RT: 7.278 min Scan# 738
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:128 Resp: 1067041

Ion	Ratio	Lower	Upper
128	100		
130	32.3	11.8	51.8
64	49.0	28.0	68.0



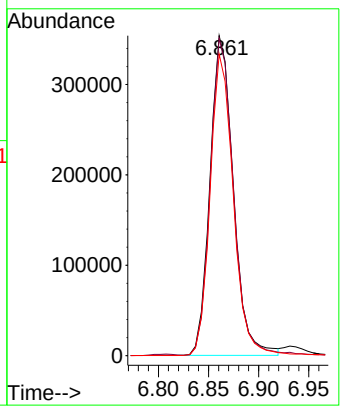


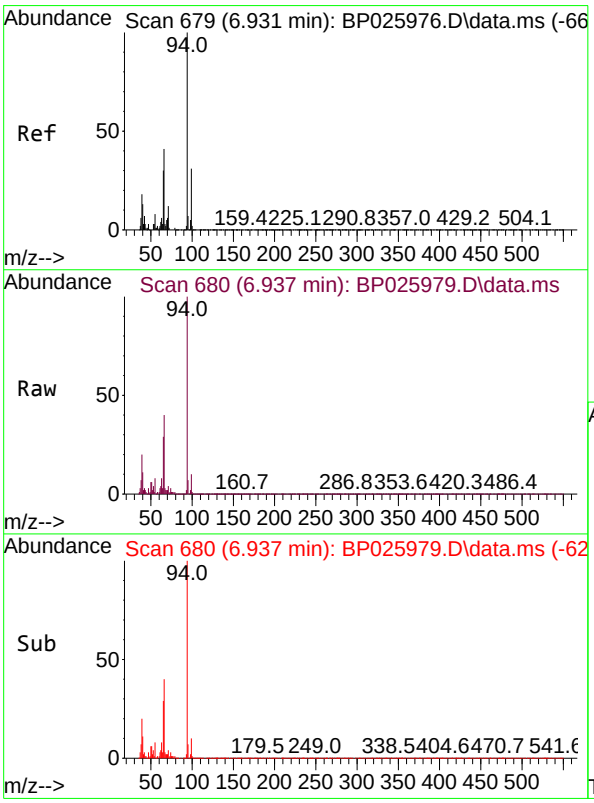
#9
Benzaldehyde
Concen: 66.887 ng
RT: 6.861 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 574464

Ion	Ratio	Lower	Upper
77	100		
105	99.2	76.6	116.6
106	94.2	73.2	113.2

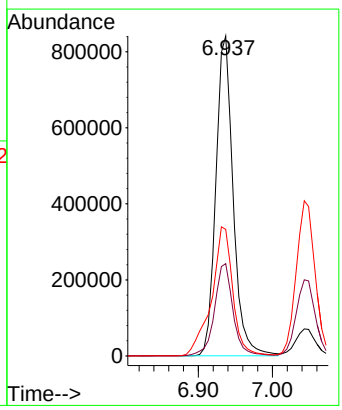


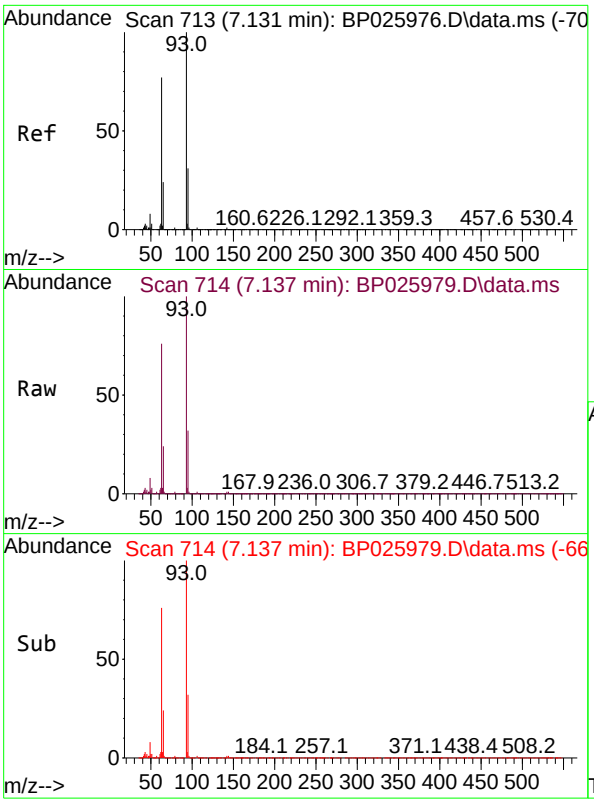


#10
Phenol
Concen: 83.868 ng
RT: 6.937 min Scan# 680
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion: 94 Resp: 1362857

Ion	Ratio	Lower	Upper
94	100		
65	28.8	9.8	49.8
66	39.5	21.4	61.4



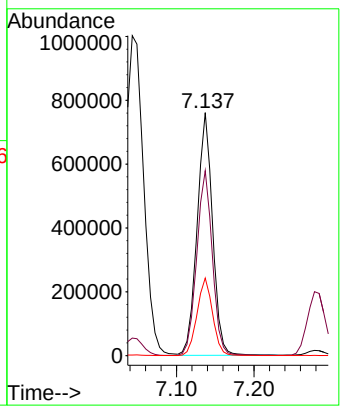


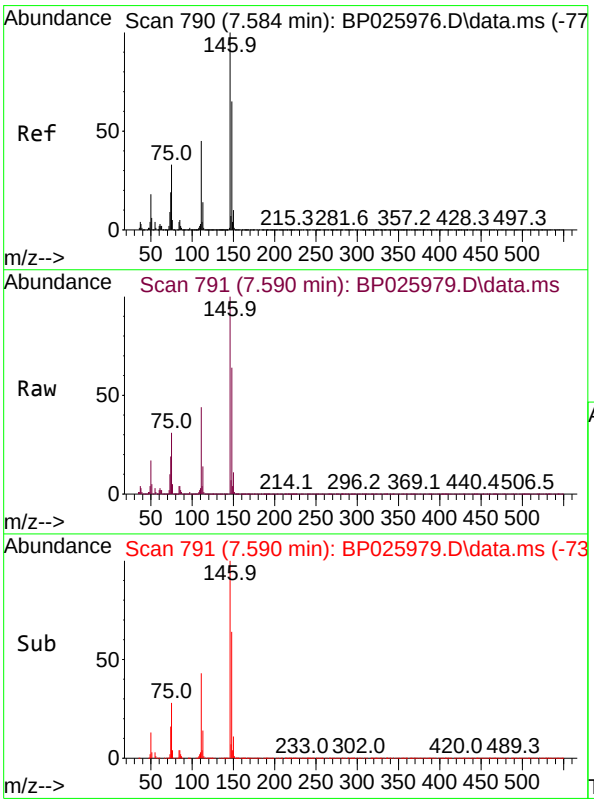
#11
bis(2-Chloroethyl)ether
Concen: 79.361 ng
RT: 7.137 min Scan# 71
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1051533

Ion	Ratio	Lower	Upper
93	100		
63	76.1	56.6	96.6
95	31.9	11.3	51.3

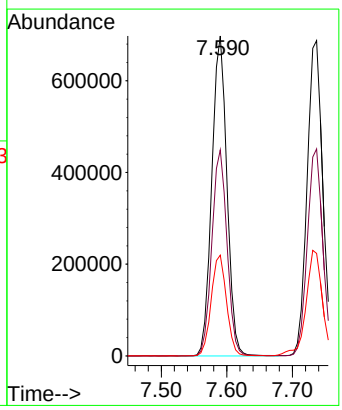


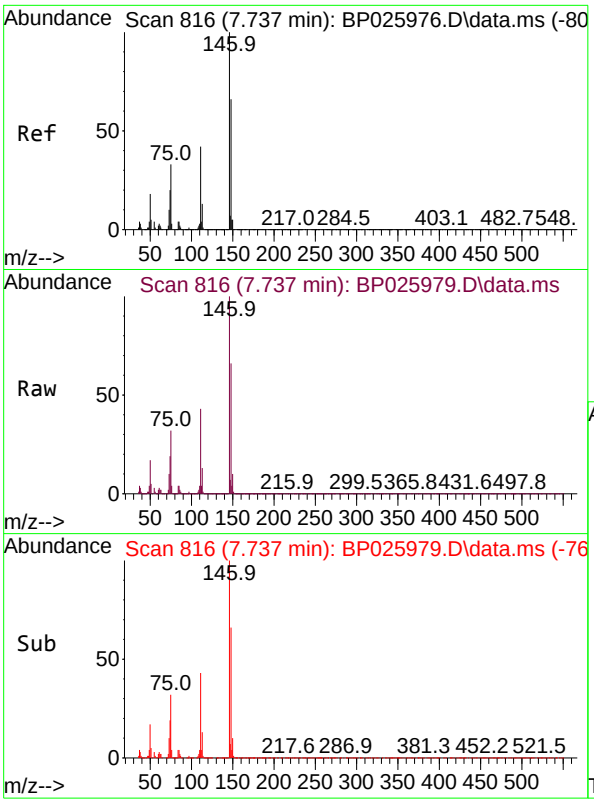


#12
1,3-Dichlorobenzene
Concen: 75.514 ng
RT: 7.590 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:146 Resp: 1118984

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.7	77.5
75	31.5	26.1	39.1



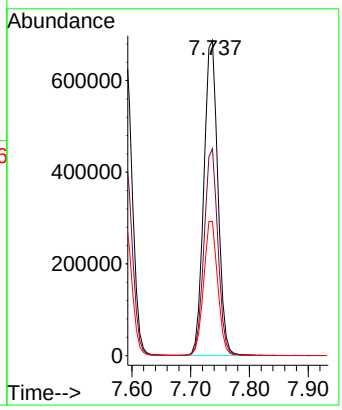


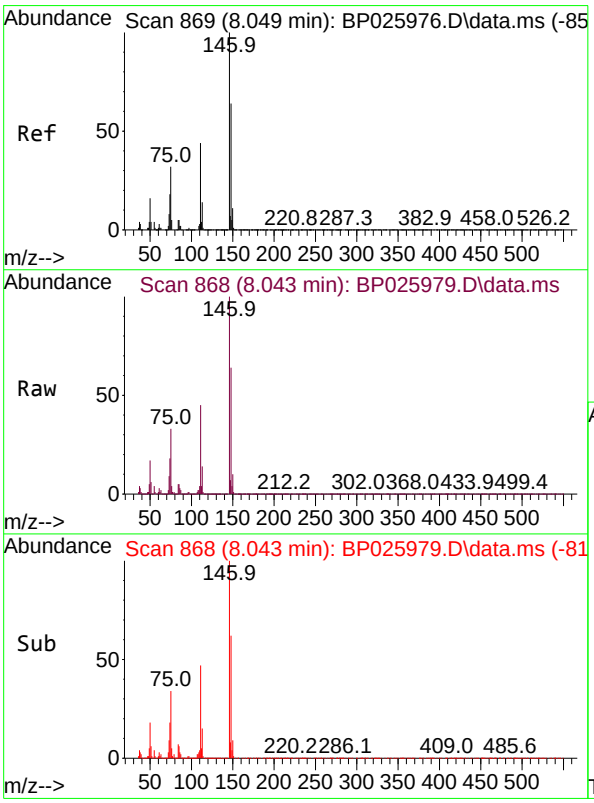
#13
1,4-Dichlorobenzene
Concen: 75.487 ng
RT: 7.737 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1139668

Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.7	79.1
111	42.5	34.0	51.0

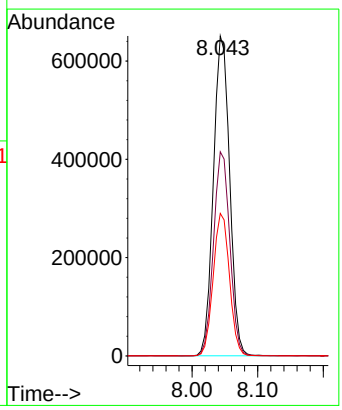


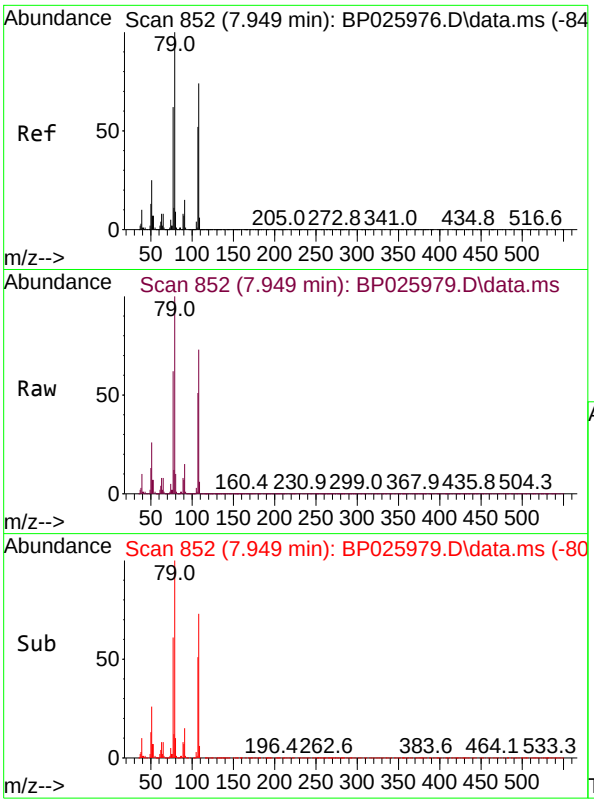


#14
1,2-Dichlorobenzene
Concen: 76.269 ng
RT: 8.043 min Scan# 868
Delta R.T. -0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:146 Resp: 1126448

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	44.5	35.3	52.9



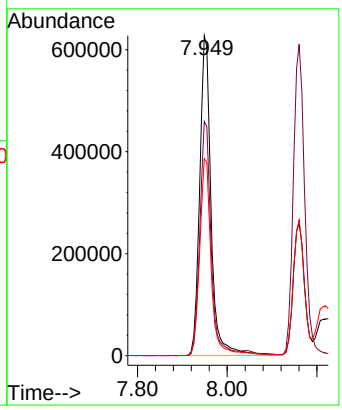


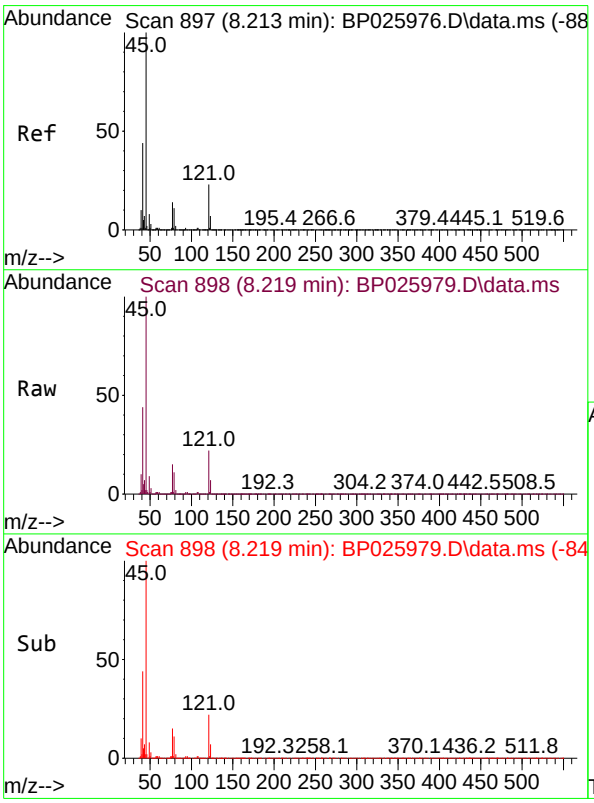
#15
Benzyl Alcohol
Concen: 80.802 ng
RT: 7.949 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1106898

Ion	Ratio	Lower	Upper
79	100		
108	73.2	59.2	88.8
77	61.5	49.3	73.9

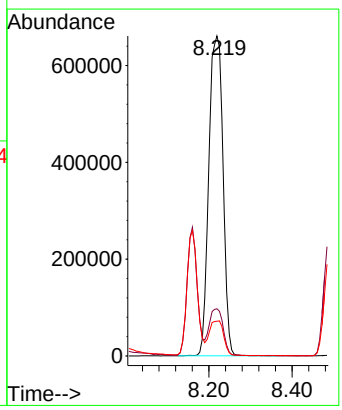


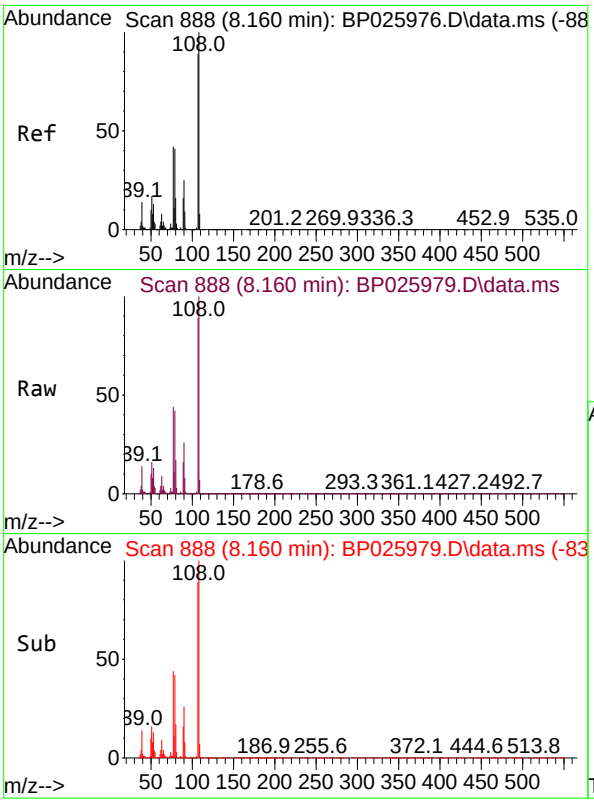


#16
2,2'-oxybis(1-Chloropropane)
Concen: 76.581 ng
RT: 8.219 min Scan# 898
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion: 45 Resp: 1562552

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	34.3
79	10.8	0.0	31.5



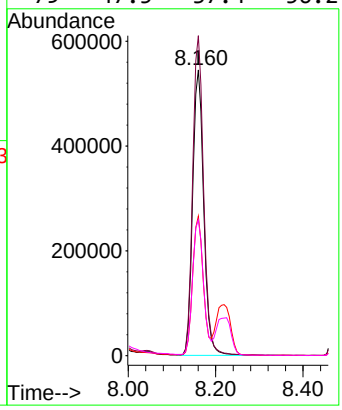


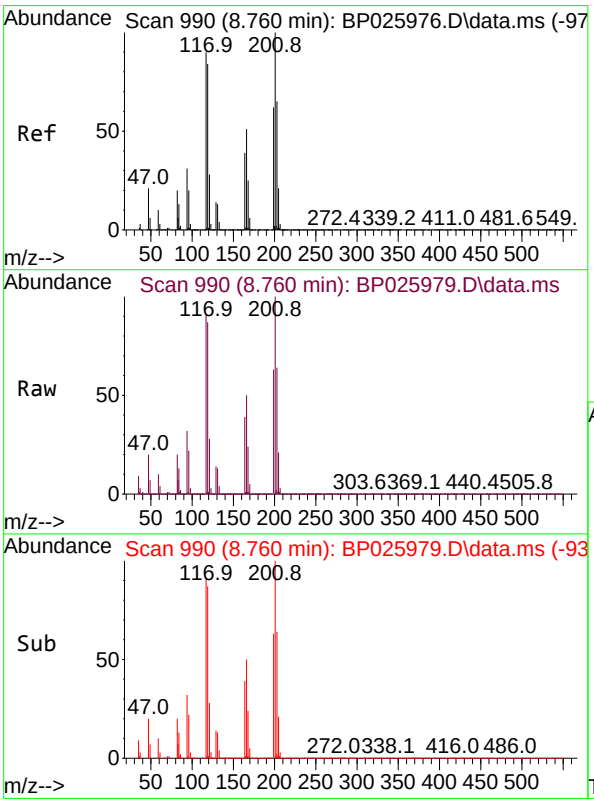
#17
2-Methylphenol
Concen: 82.151 ng
RT: 8.160 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 956854

Ion	Ratio	Lower	Upper
107	100		
108	112.0	89.5	134.3
77	48.8	38.1	57.1
79	47.5	37.4	56.2

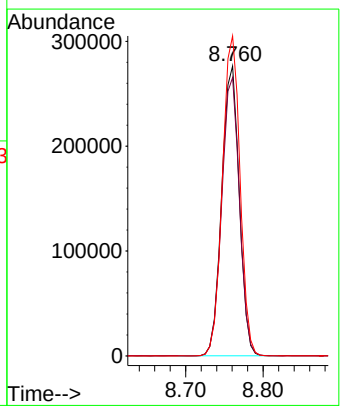


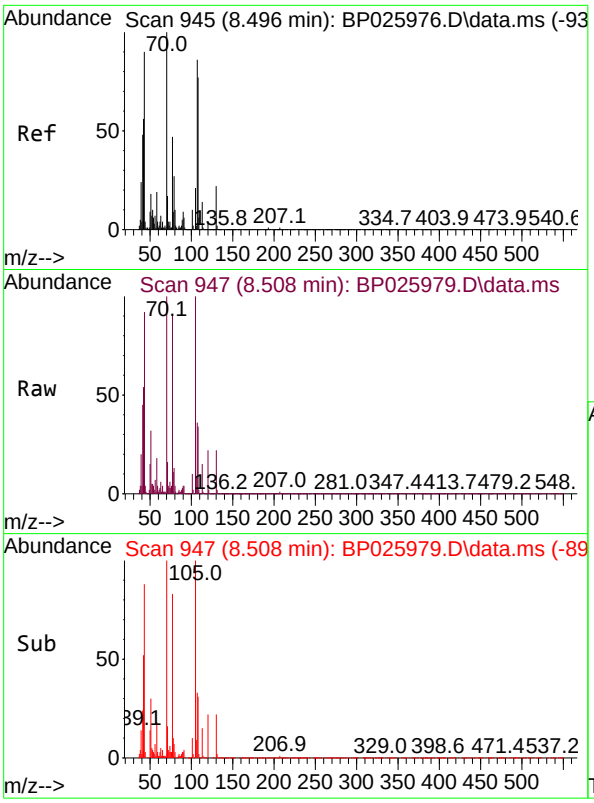


#18
Hexachloroethane
Concen: 75.537 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:117 Resp: 435195

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.6	112.0
201	110.4	88.6	133.0



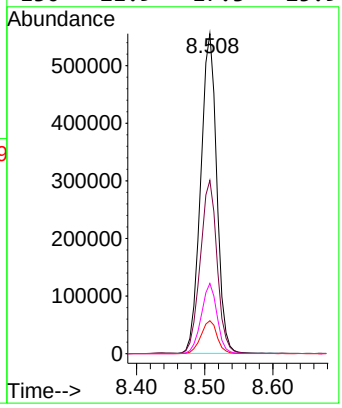


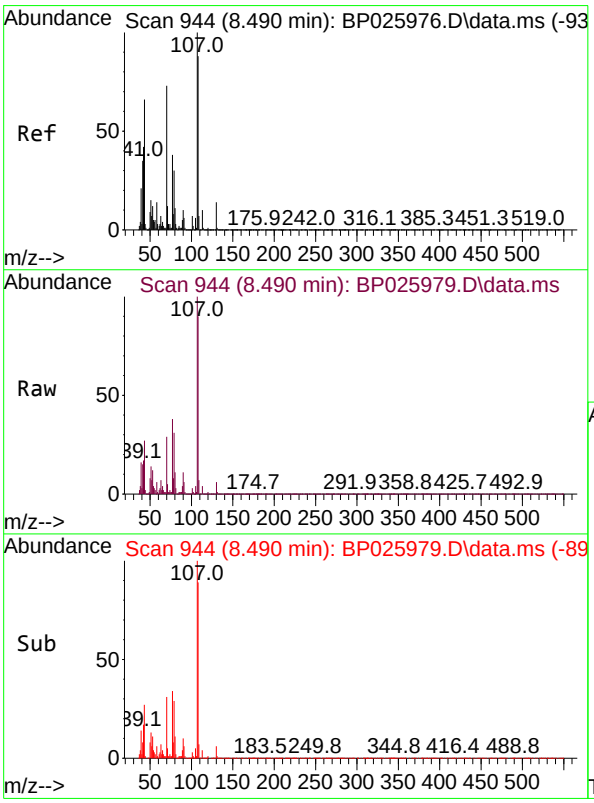
#19
n-Nitroso-di-n-propylamine
Concen: 79.165 ng
RT: 8.508 min Scan# 94
Delta R.T. 0.012 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 908299

Ion	Ratio	Lower	Upper
70	100		
42	54.2	45.2	67.8
101	10.3	7.9	11.9
130	21.9	17.3	25.9

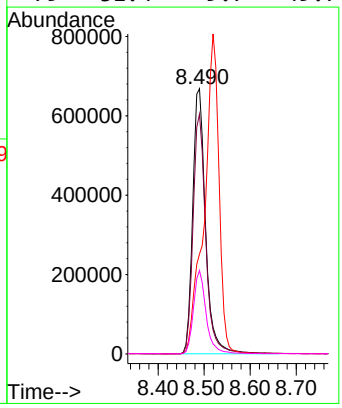


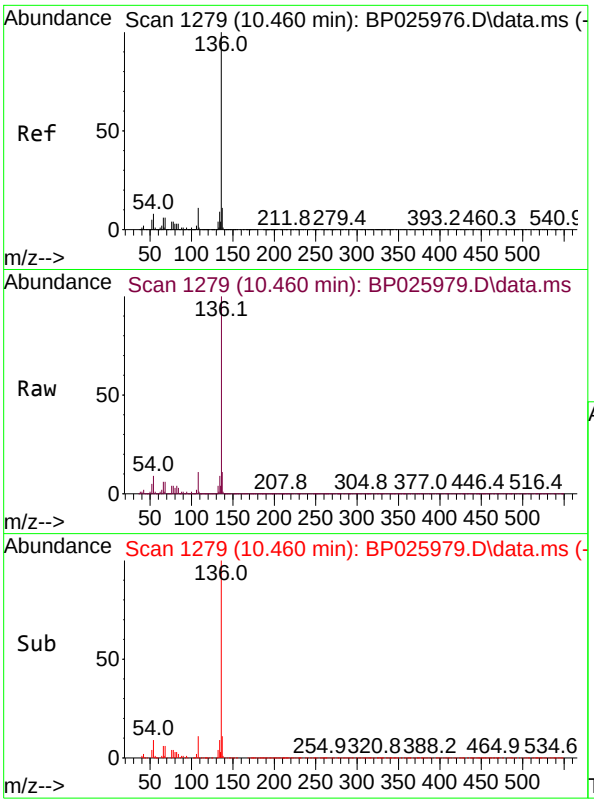


#20
3+4-Methylphenols
Concen: 79.487 ng
RT: 8.490 min Scan# 944
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:107 Resp: 1290002

Ion	Ratio	Lower	Upper
107	100		
108	90.4	67.8	107.8
77	37.6	18.5	58.5
79	31.4	9.7	49.7



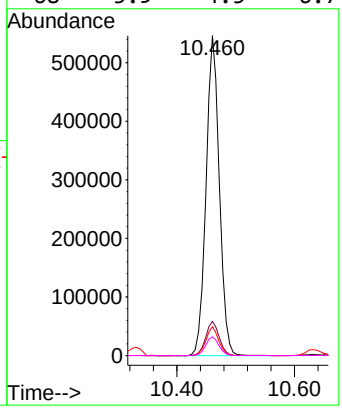


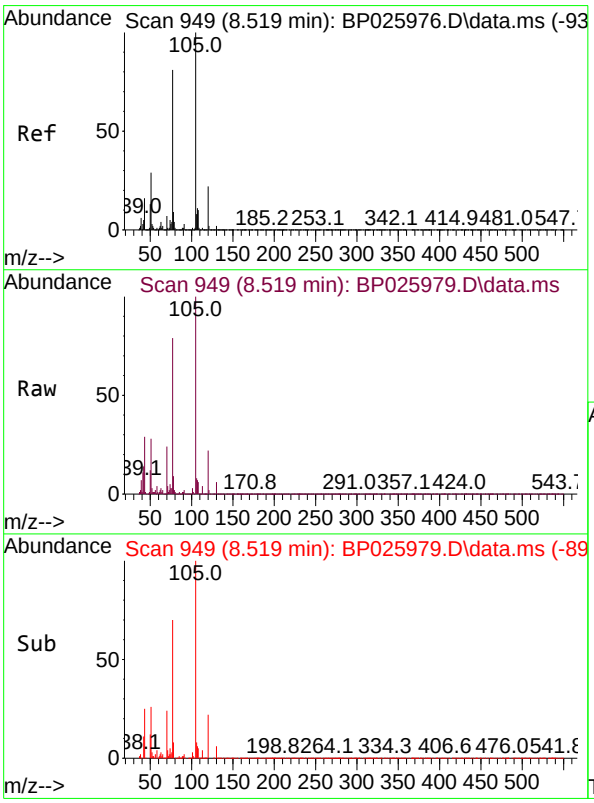
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 853829

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.0	6.8	10.2
68	5.9	4.5	6.7

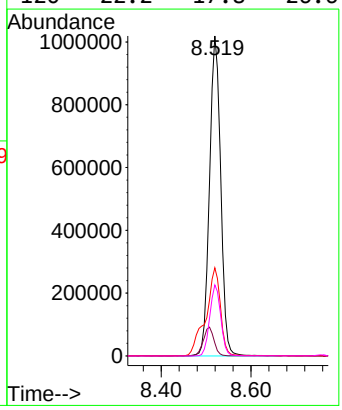


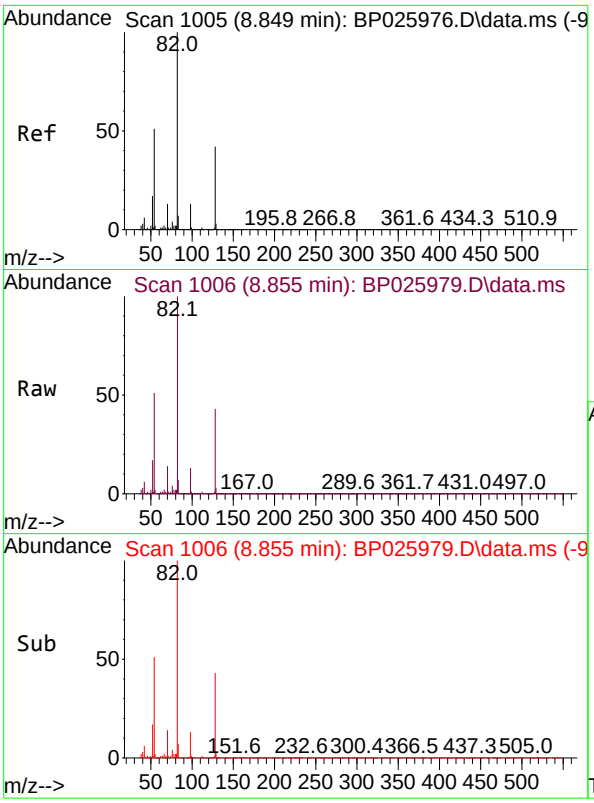


#22
Acetophenone
Concen: 75.893 ng
RT: 8.519 min Scan# 949
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:105 Resp: 1761662

Ion	Ratio	Lower	Upper
105	100		
71	4.1	0.9	1.3#
51	27.5	23.0	34.4
120	22.2	17.8	26.6



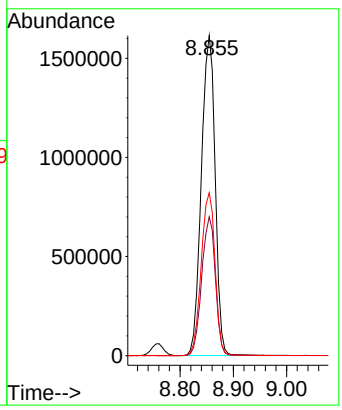


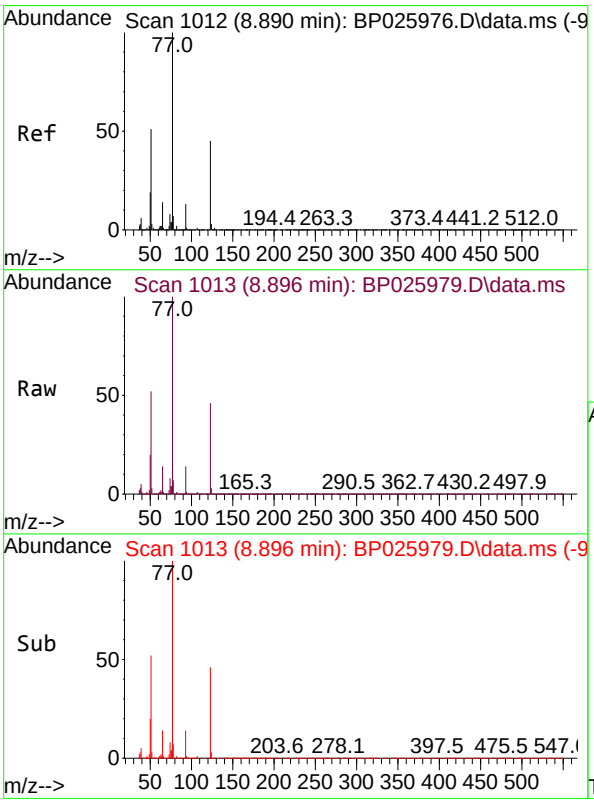
#23
Nitrobenzene-d5
Concen: 152.995 ng
RT: 8.855 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2906298

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.6	50.4
54	50.9	40.6	61.0

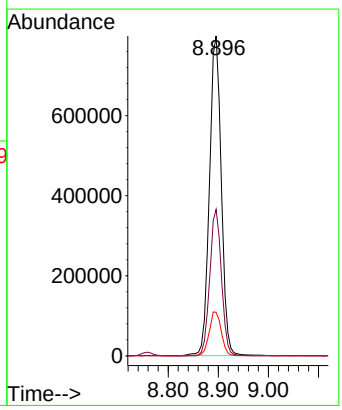


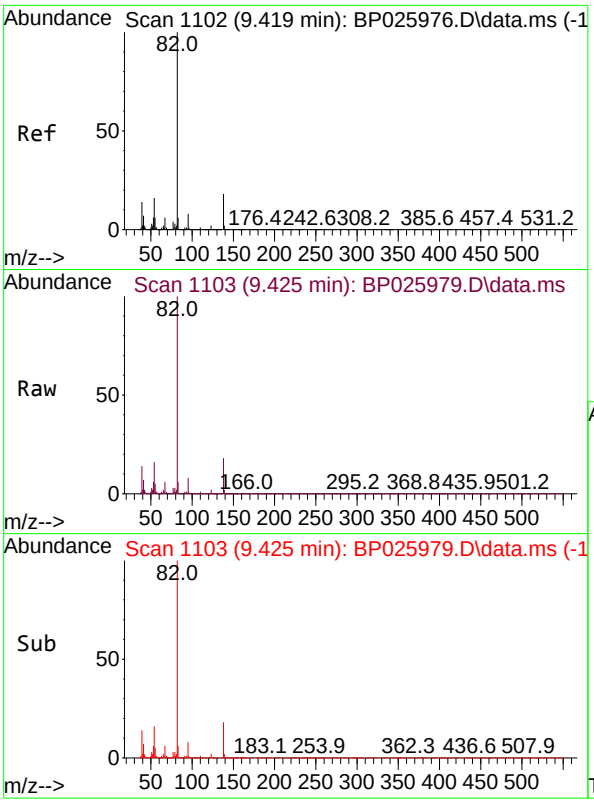


#24
Nitrobenzene
Concen: 77.636 ng
RT: 8.896 min Scan# 1013
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion: 77 Resp: 1311475

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.6	53.4
65	13.6	11.1	16.7



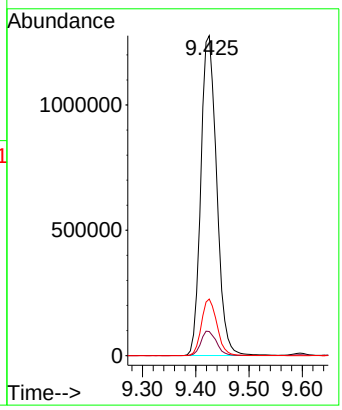


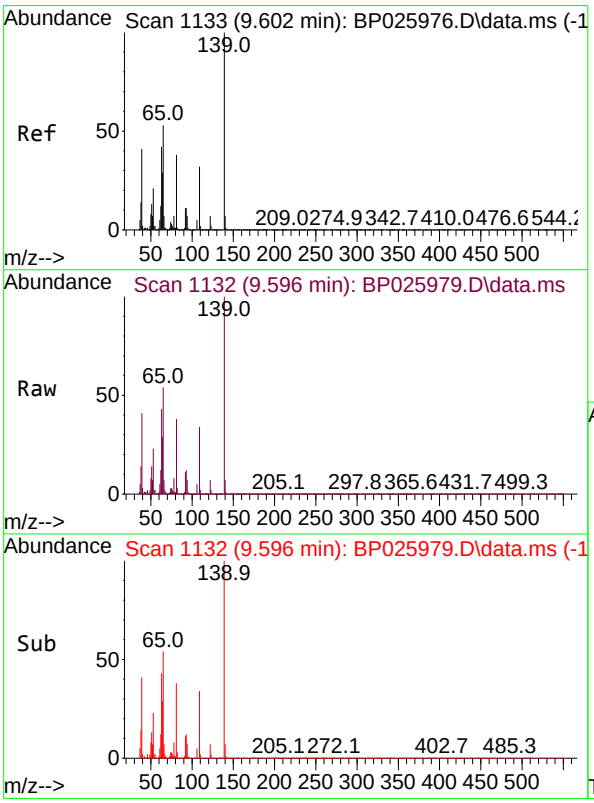
#25
Isophorone
Concen: 77.219 ng
RT: 9.425 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2634496

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	17.7	14.2	21.2

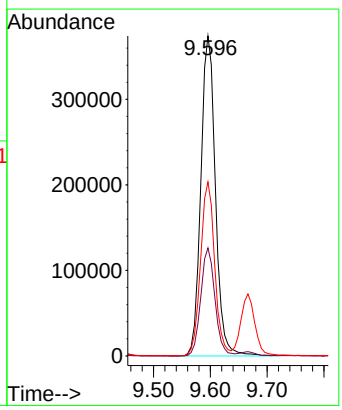


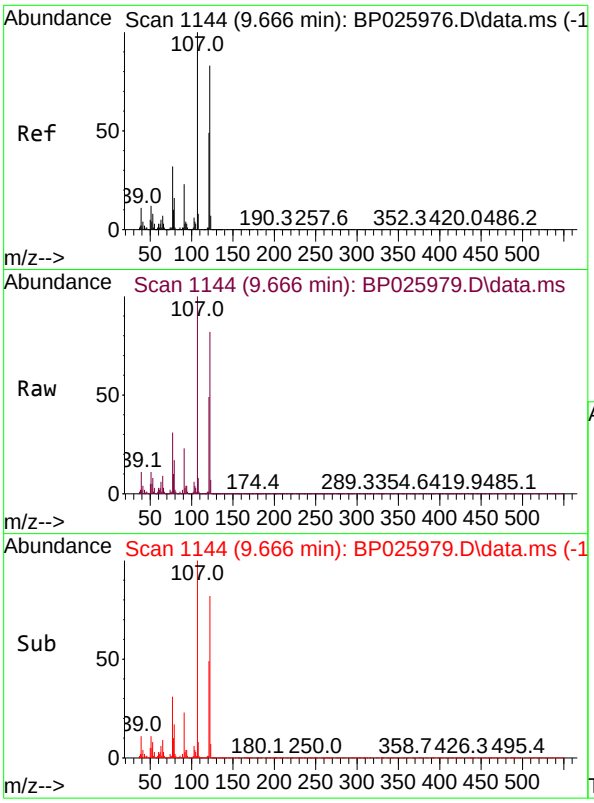


#26
2-Nitrophenol
Concen: 81.745 ng
RT: 9.596 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:139 Resp: 668745

Ion	Ratio	Lower	Upper
139	100		
109	33.7	25.9	38.9
65	54.4	42.4	63.6



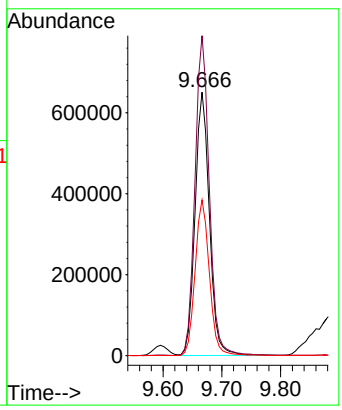


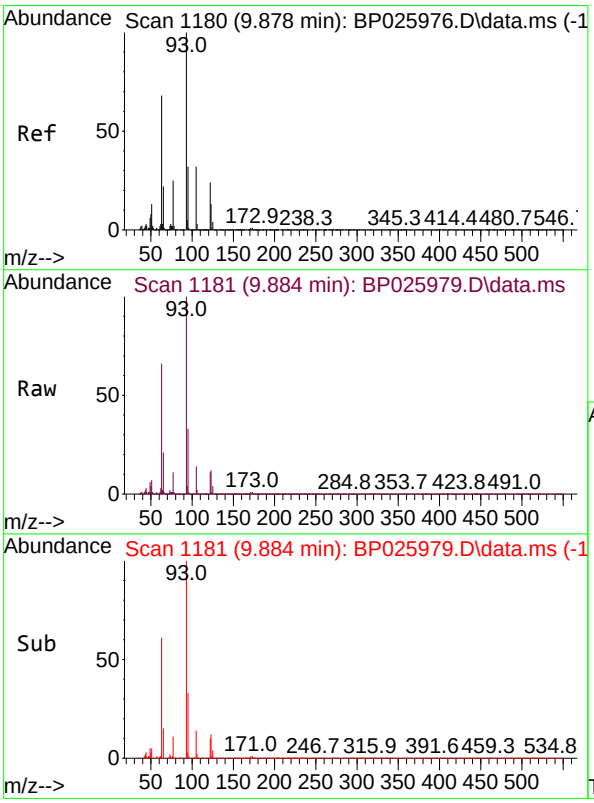
#27
2,4-Dimethylphenol
Concen: 79.495 ng
RT: 9.666 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 1102040

Ion	Ratio	Lower	Upper
122	100		
107	121.5	95.9	143.9
121	59.2	46.6	70.0

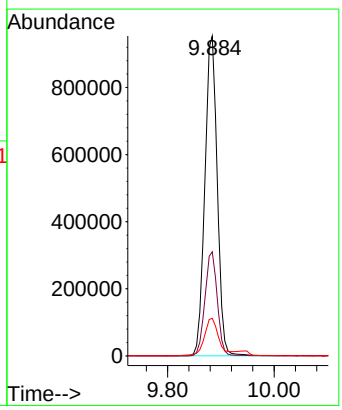


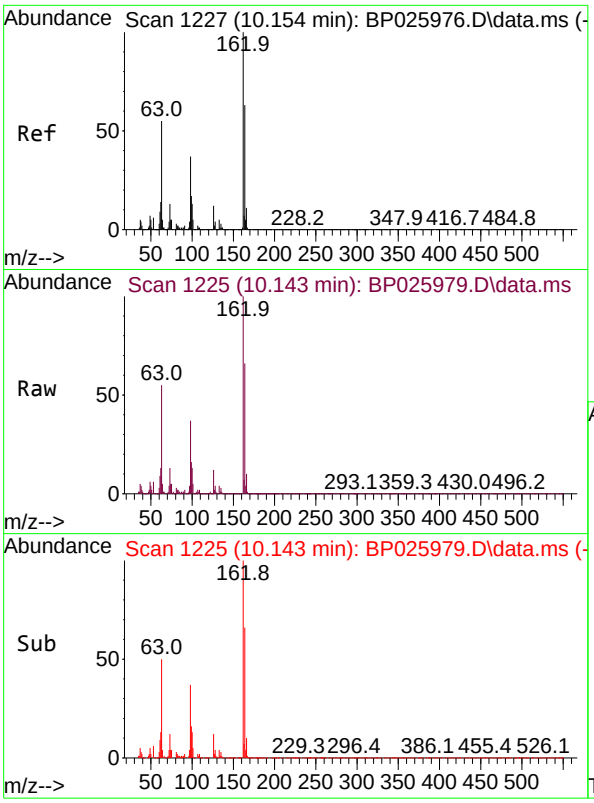


#28
bis(2-Chloroethoxy)methane
Concen: 77.137 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion: 93 Resp: 1539493

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.3	37.9
123	11.7	10.4	15.6



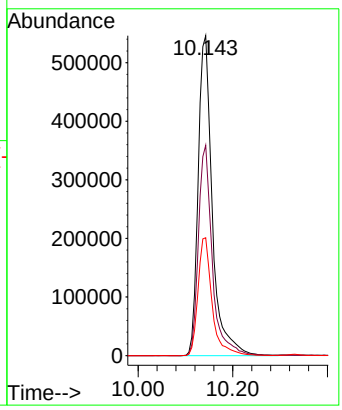


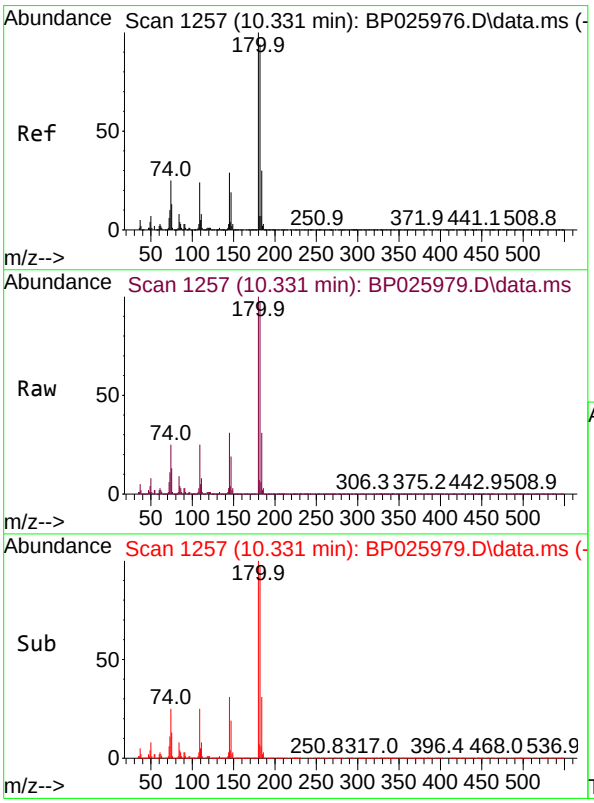
#29
2,4-Dichlorophenol
Concen: 81.983 ng
RT: 10.143 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1132443

Ion	Ratio	Lower	Upper
162	100		
164	65.7	43.4	83.4
98	36.8	17.3	57.3

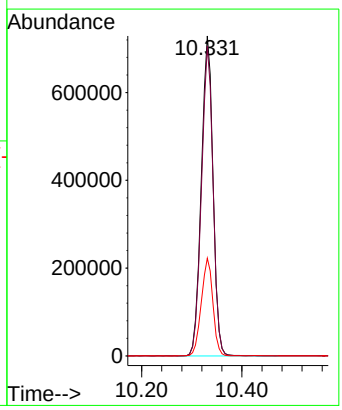


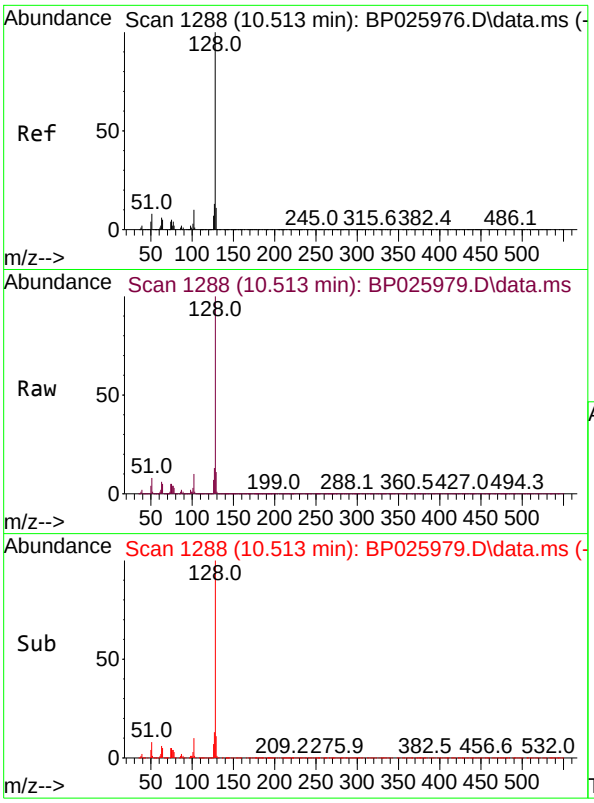


#30
1,2,4-Trichlorobenzene
Concen: 75.540 ng
RT: 10.331 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:180 Resp: 1181311

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.3	112.9
145	30.5	23.4	35.2



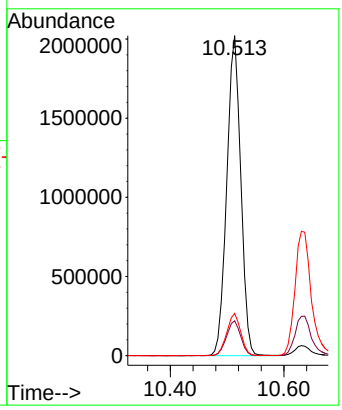


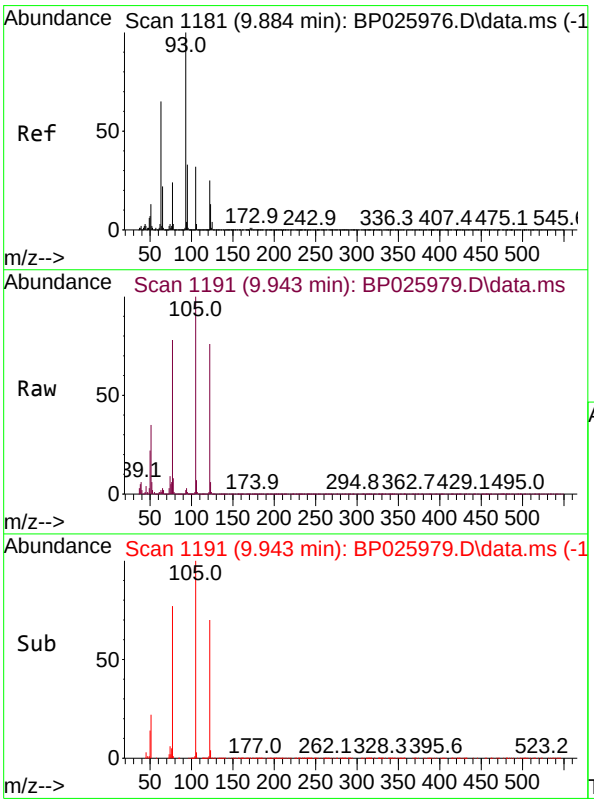
#31
Naphthalene
Concen: 74.784 ng
RT: 10.513 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 3444501

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.6	16.0

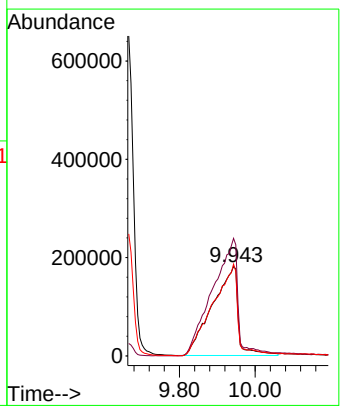


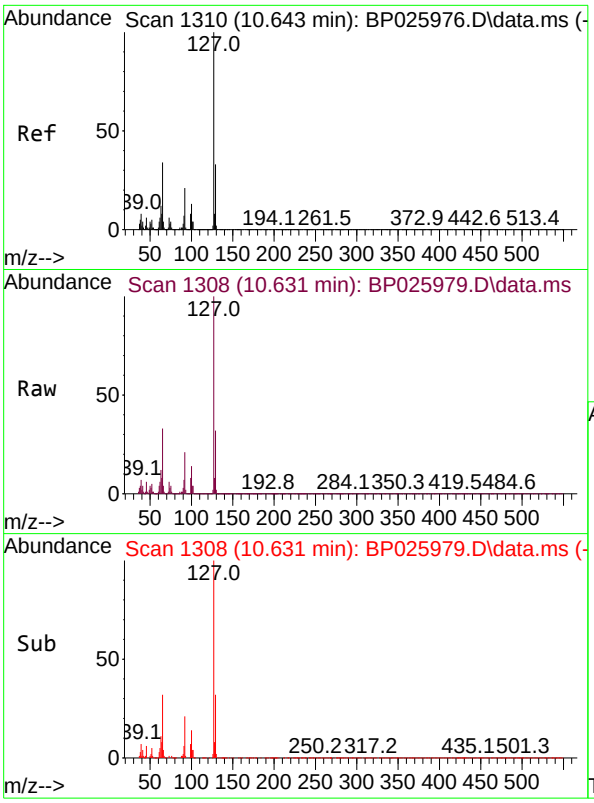


#32
Benzoic acid
Concen: 85.553 ng
RT: 9.943 min Scan# 1191
Delta R.T. 0.059 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:122 Resp: 861099

Ion	Ratio	Lower	Upper
122	100		
105	131.4	107.4	147.4
77	102.6	77.0	117.0



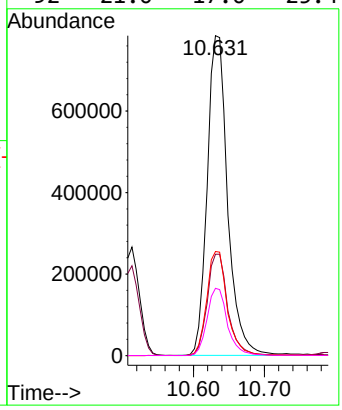


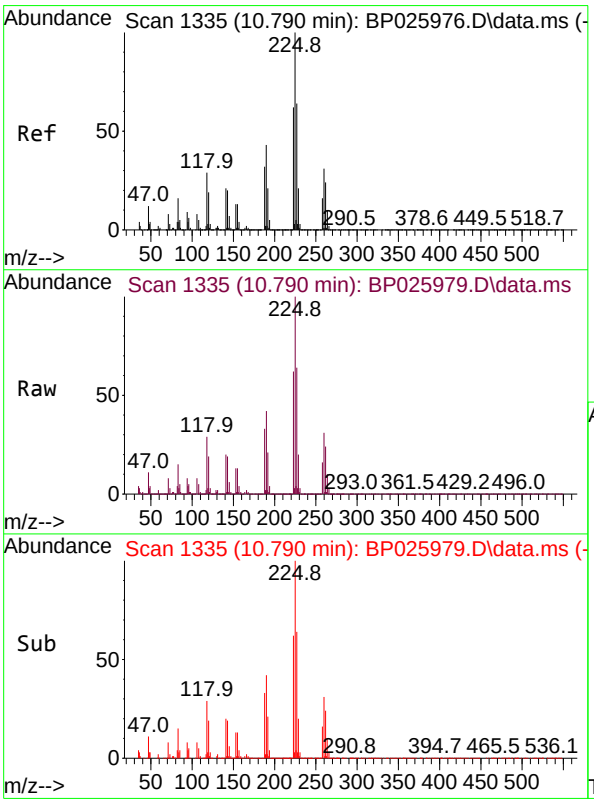
#33
4-Chloroaniline
Concen: 80.257 ng
RT: 10.631 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1569828

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.2	39.4
65	32.5	27.2	40.8
92	21.0	17.0	25.4

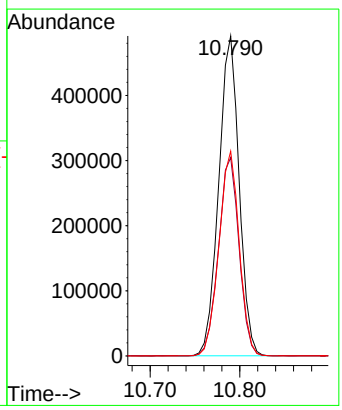


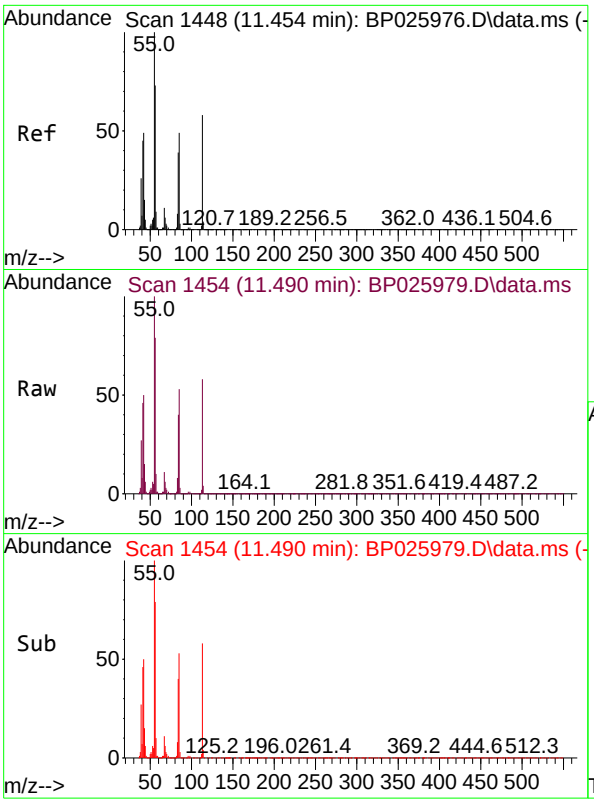


#34
Hexachlorobutadiene
Concen: 75.359 ng
RT: 10.790 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:225 Resp: 779931

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.8	74.8
227	64.0	51.4	77.2



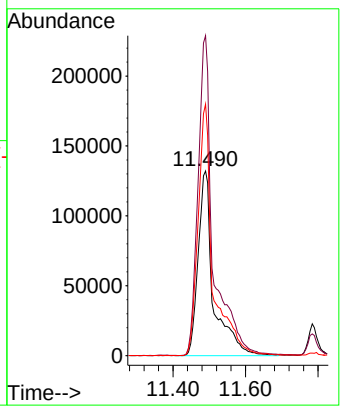


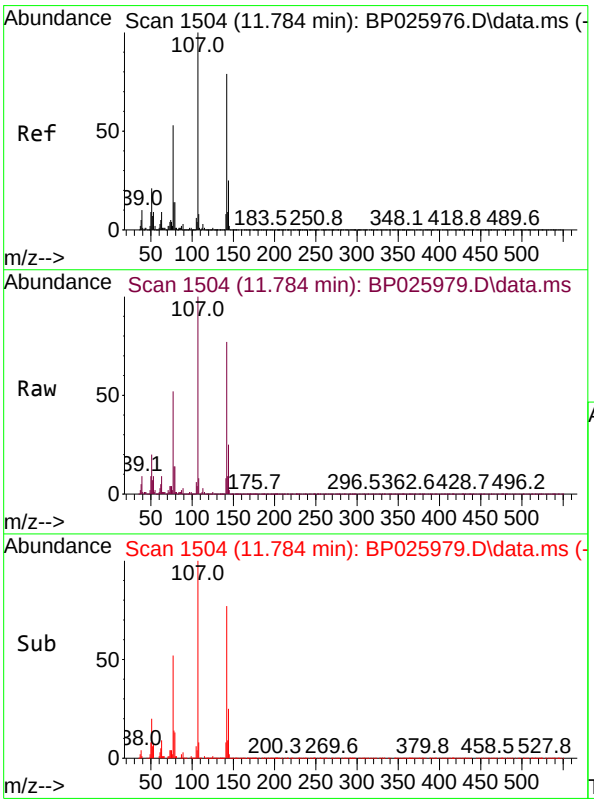
#35
Caprolactam
Concen: 79.204 ng
RT: 11.490 min Scan# 14
Delta R.T. 0.035 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 389337

Ion	Ratio	Lower	Upper
113	100		
55	173.4	151.8	191.8
56	136.3	104.6	144.6

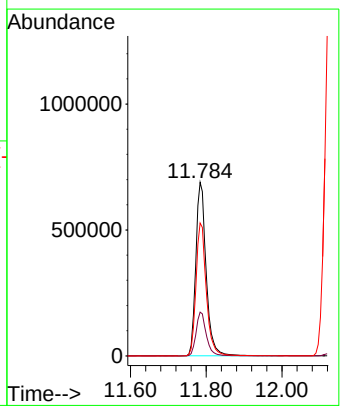


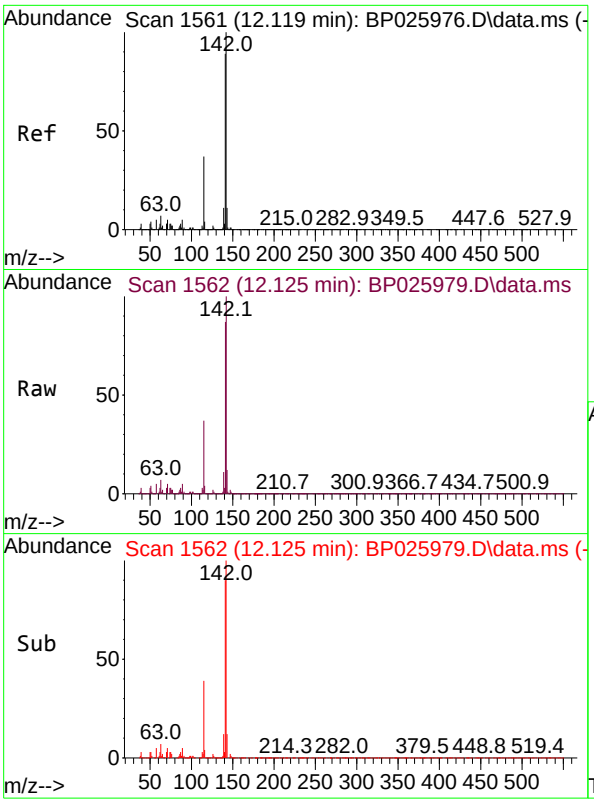


#36
4-Chloro-3-methylphenol
Concen: 80.101 ng
RT: 11.784 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:107 Resp: 1299013

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.3	30.5
142	76.5	63.0	94.4



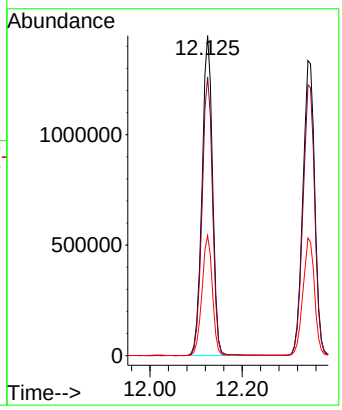


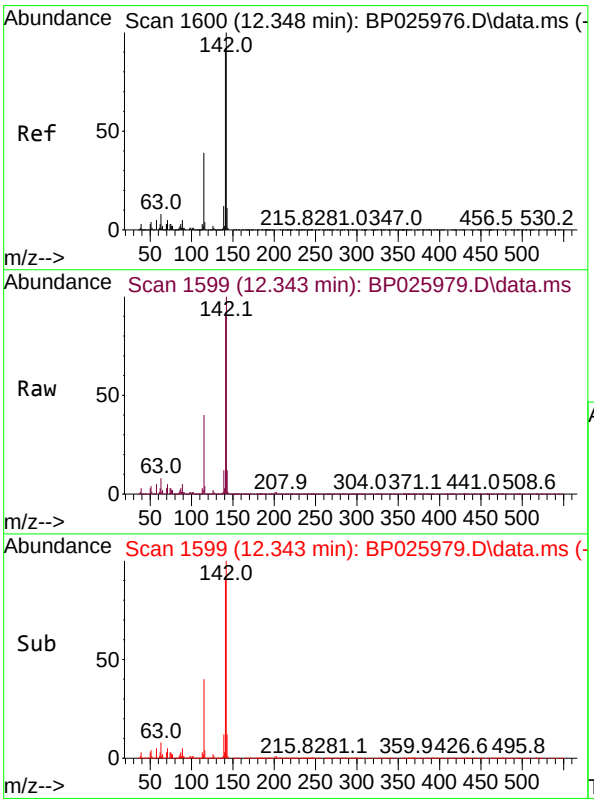
#37
2-Methylnaphthalene
Concen: 75.638 ng
RT: 12.125 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2280979

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.9	106.3
115	37.5	29.9	44.9

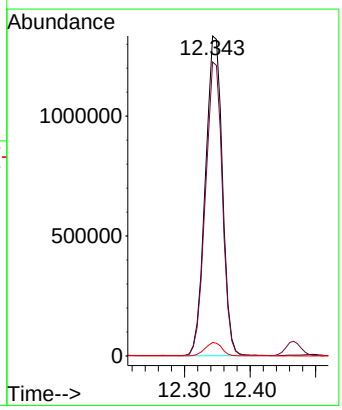


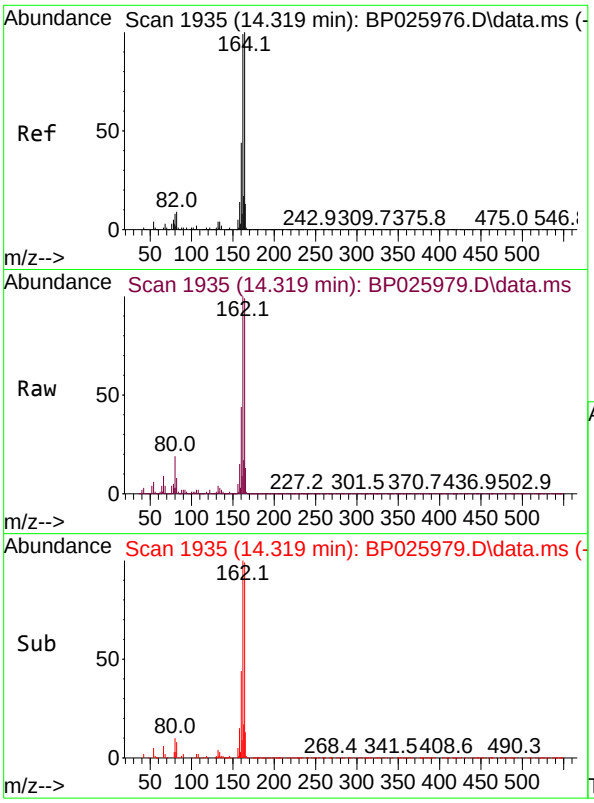


#38
1-Methylnaphthalene
Concen: 75.390 ng
RT: 12.343 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:142 Resp: 2398064

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.7	110.5
116	4.2	3.2	4.8



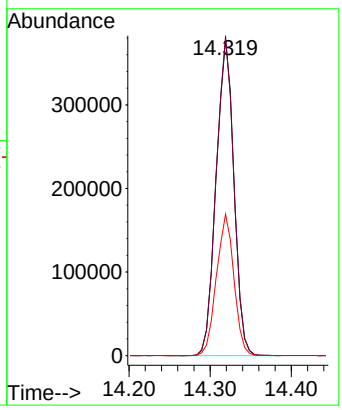


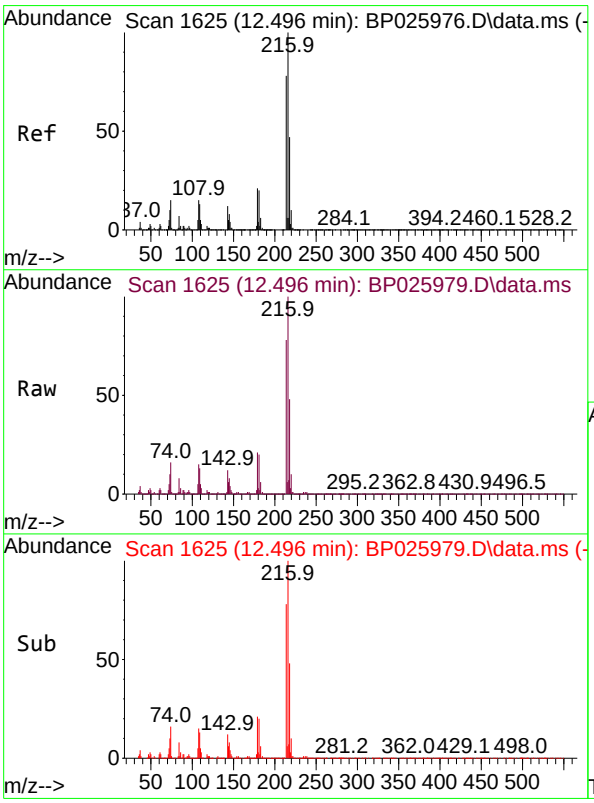
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 573100

Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.3	118.9
160	44.8	35.4	53.0

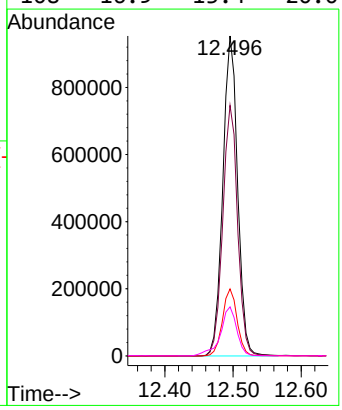


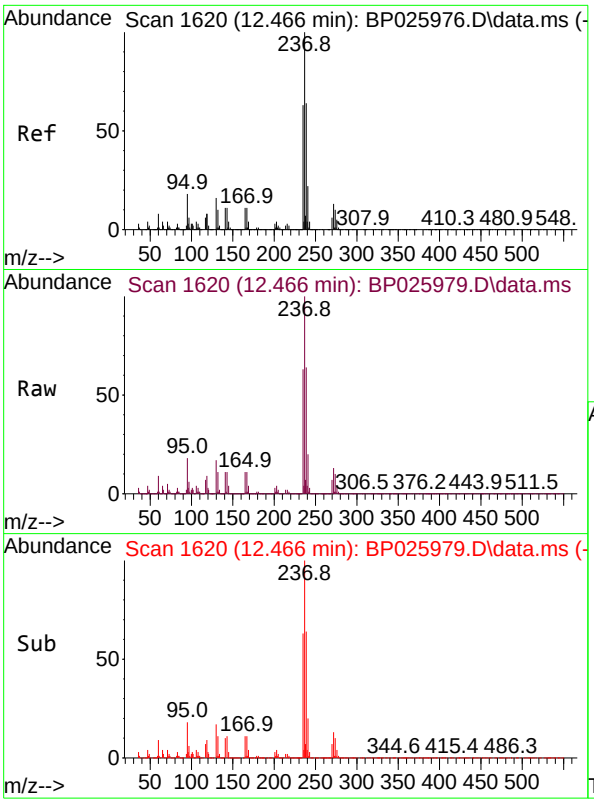


#40
1,2,4,5-Tetrachlorobenzene
Concen: 76.683 ng
RT: 12.496 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:216 Resp: 1431042

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	94.0
179	20.8	16.5	24.7
108	16.9	13.4	20.0



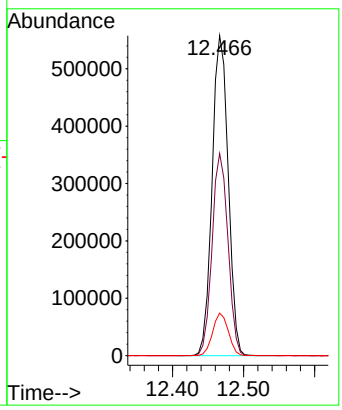


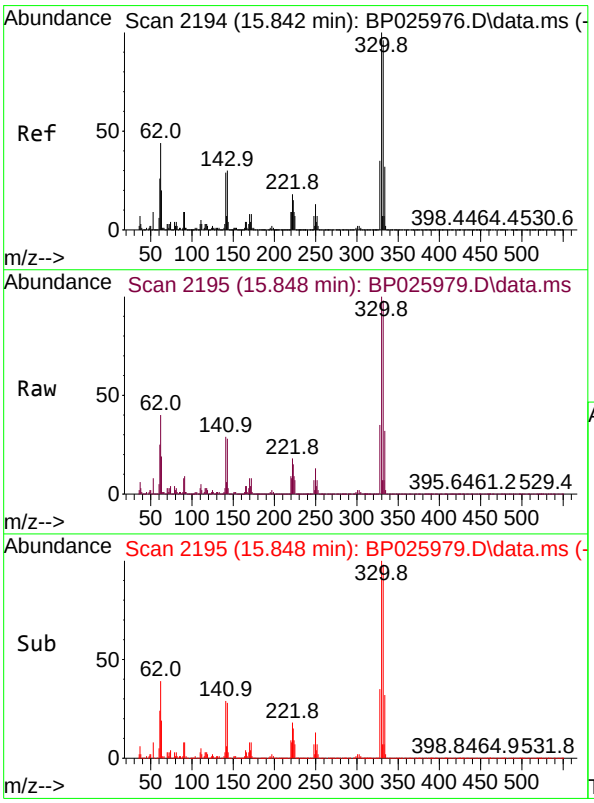
#41
Hexachlorocyclopentadiene
Concen: 79.939 ng
RT: 12.466 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 879241

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.1	83.1
272	13.3	0.0	33.4

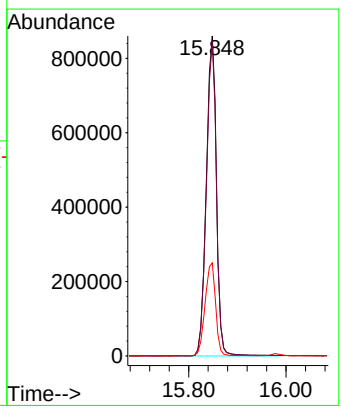


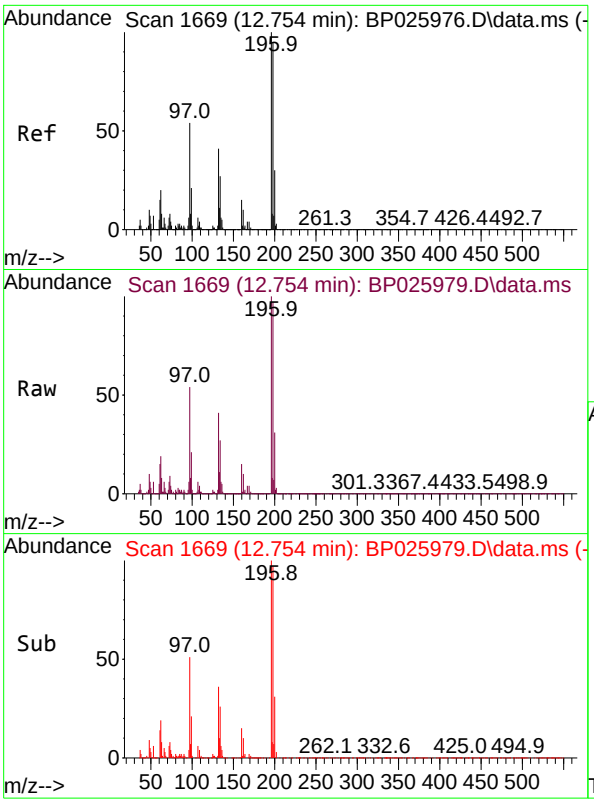


#42
2,4,6-Tribromophenol
Concen: 161.650 ng
RT: 15.848 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:330 Resp: 1247173

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.8	116.8
141	30.4	25.6	38.4



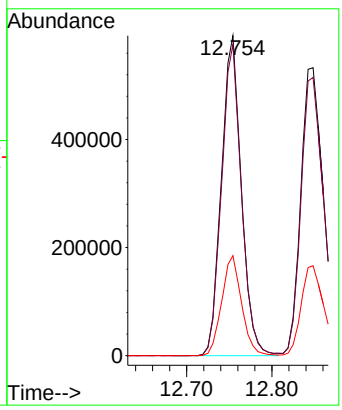


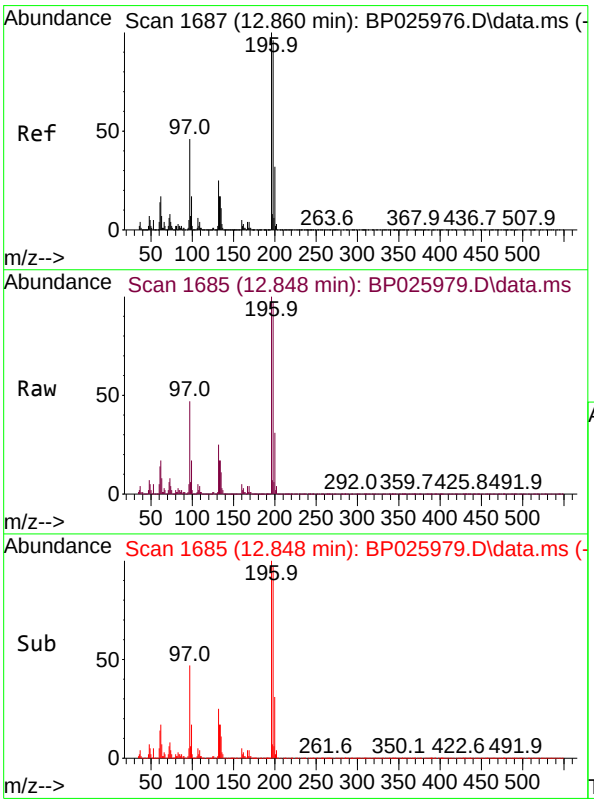
#43
2,4,6-Trichlorophenol
Concen: 81.277 ng
RT: 12.754 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 962749

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.3	114.5
200	31.2	23.9	35.9

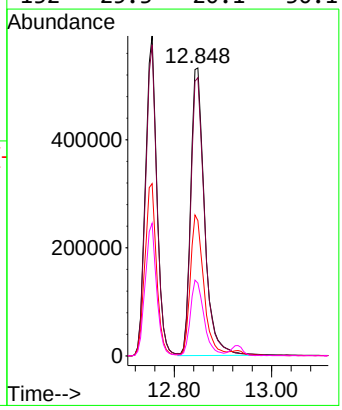


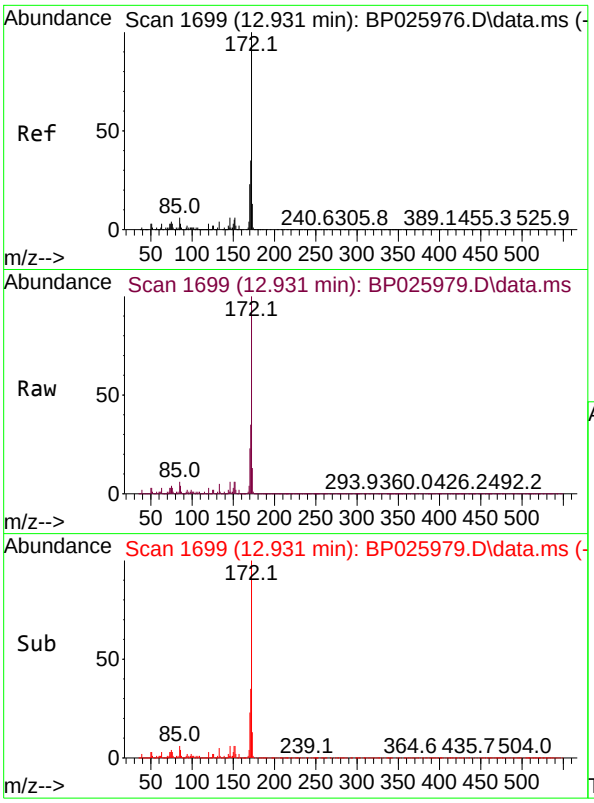


#44
2,4,5-Trichlorophenol
Concen: 81.582 ng
RT: 12.848 min Scan# 1685
Delta R.T. -0.012 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:196 Resp: 1052298

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.0	115.4
97	47.0	36.6	54.8
132	25.3	20.1	30.1



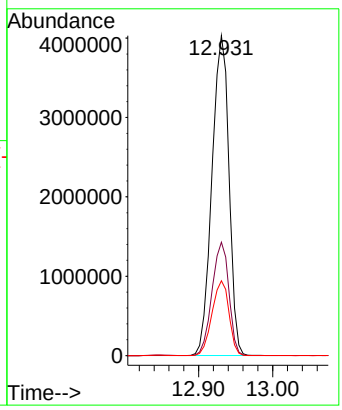


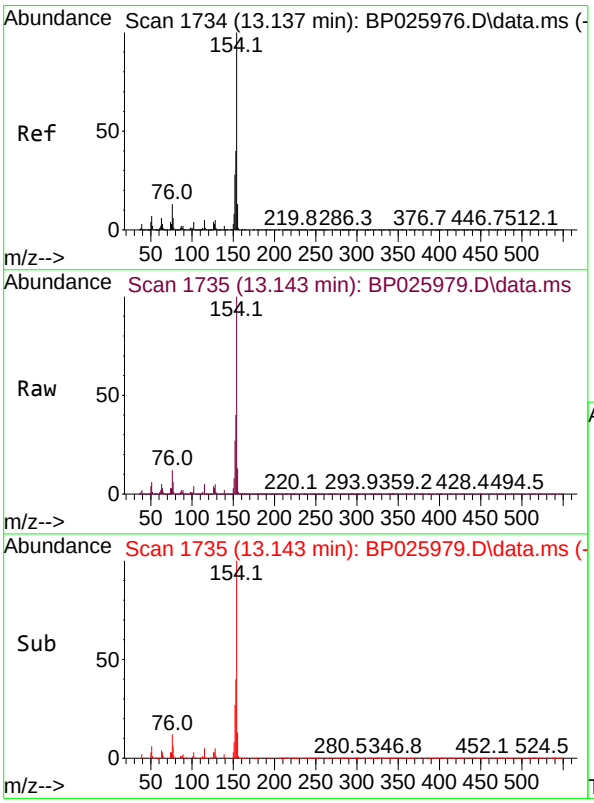
#45
2-Fluorobiphenyl
Concen: 143.923 ng
RT: 12.931 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 6435200

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.8	41.8
170	23.4	18.5	27.7

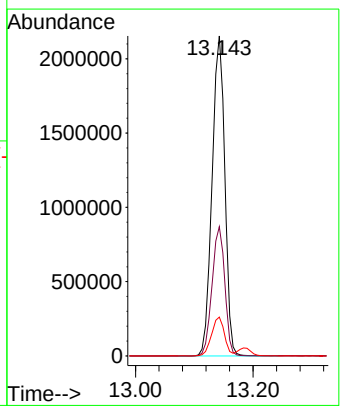


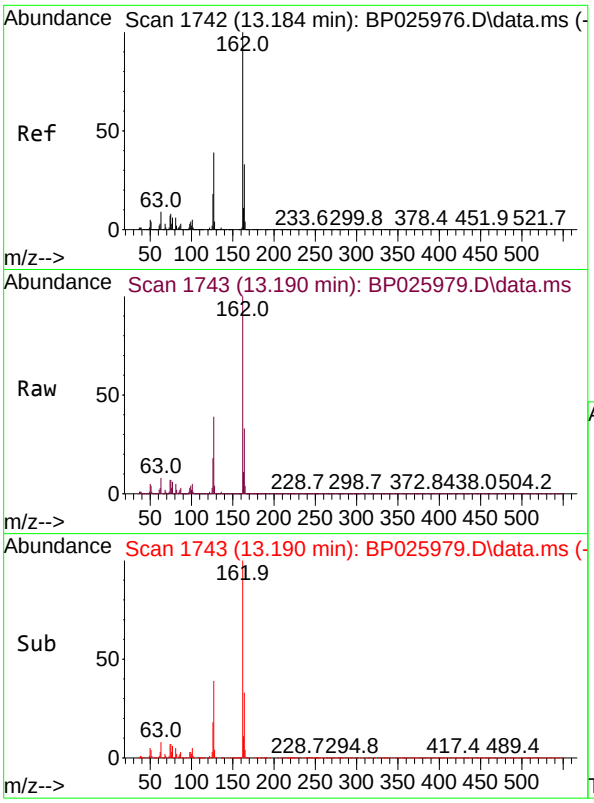


#46
1,1'-Biphenyl
Concen: 74.836 ng
RT: 13.143 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:154 Resp: 3239748

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.1	60.1
76	12.1	0.0	33.1



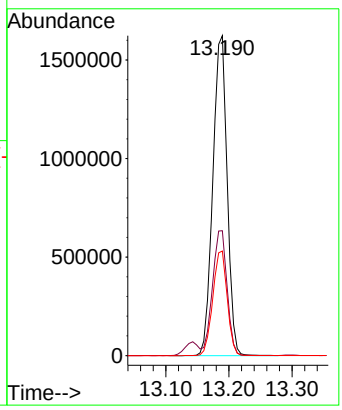


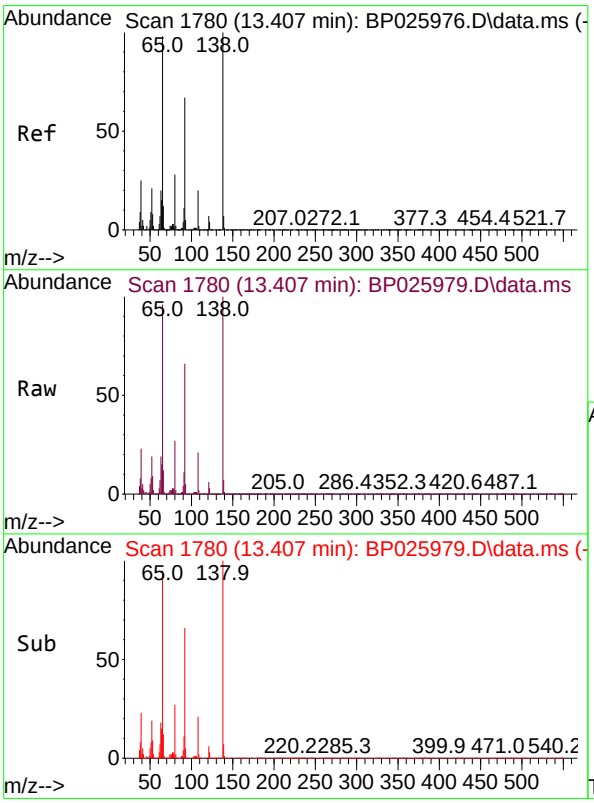
#47
2-Chloronaphthalene
Concen: 75.554 ng
RT: 13.190 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 2557460

Ion	Ratio	Lower	Upper
162	100		
127	39.0	31.4	47.0
164	32.7	26.4	39.6

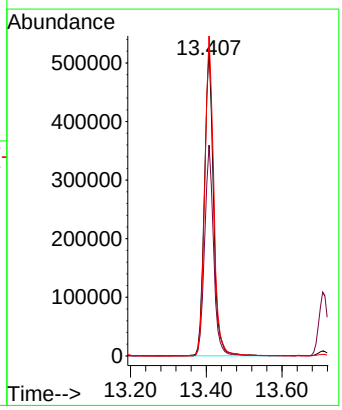


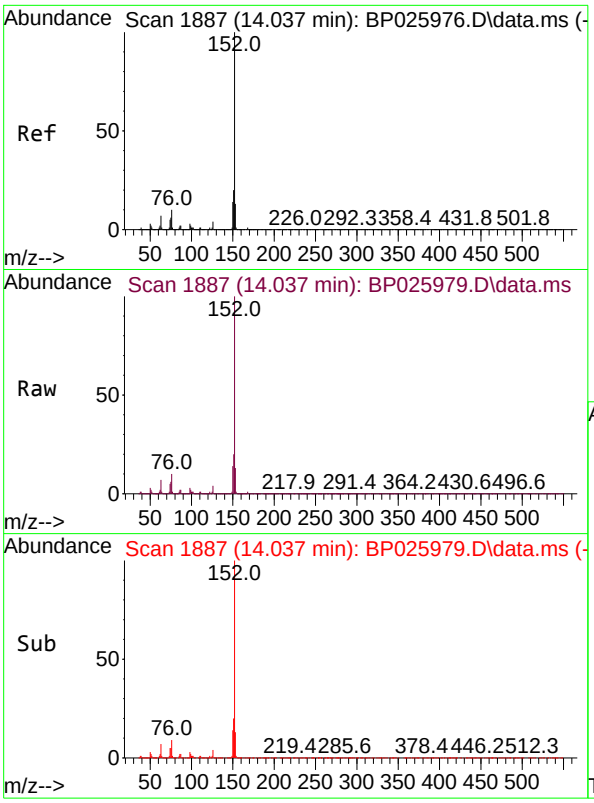


#48
2-Nitroaniline
Concen: 82.291 ng
RT: 13.407 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion: 65 Resp: 868144

Ion	Ratio	Lower	Upper
65	100		
92	69.0	55.0	82.4
138	104.7	82.0	123.0



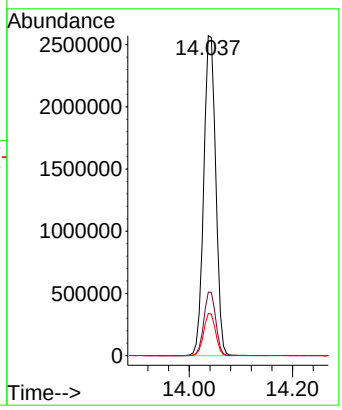


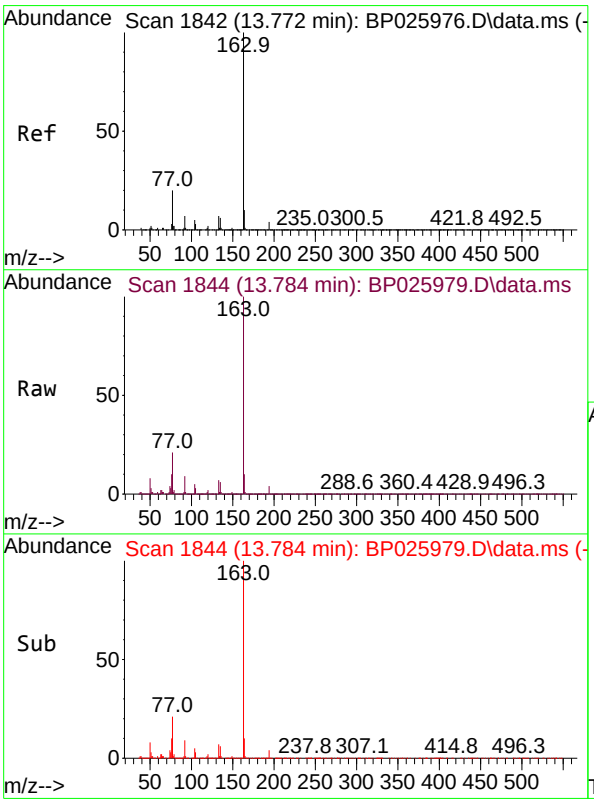
#49
Acenaphthylene
Concen: 75.562 ng
RT: 14.037 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 4135556

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.2	10.6	15.8

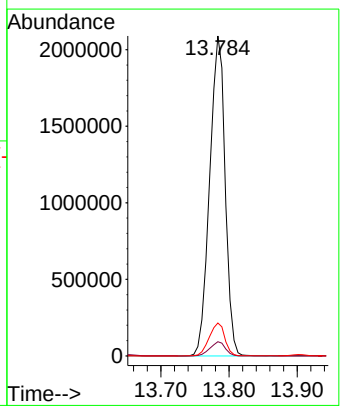


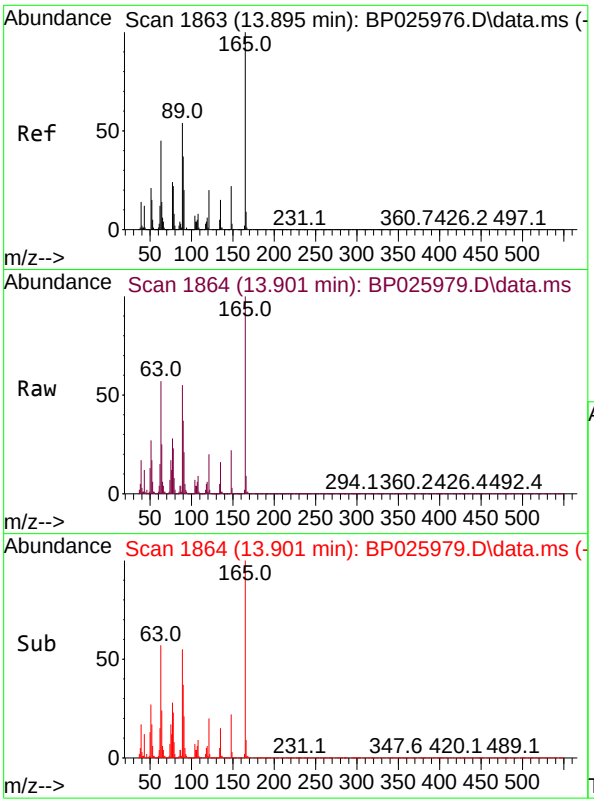


#50
Dimethylphthalate
Concen: 75.990 ng
RT: 13.784 min Scan# 1844
Delta R.T. 0.012 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:163 Resp: 3291729

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	10.3	8.2	12.2



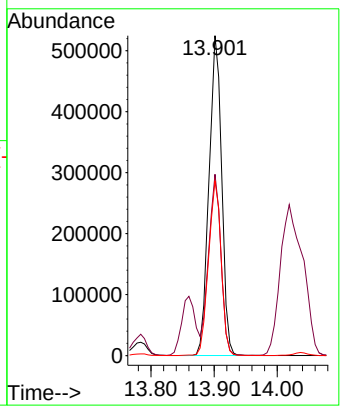


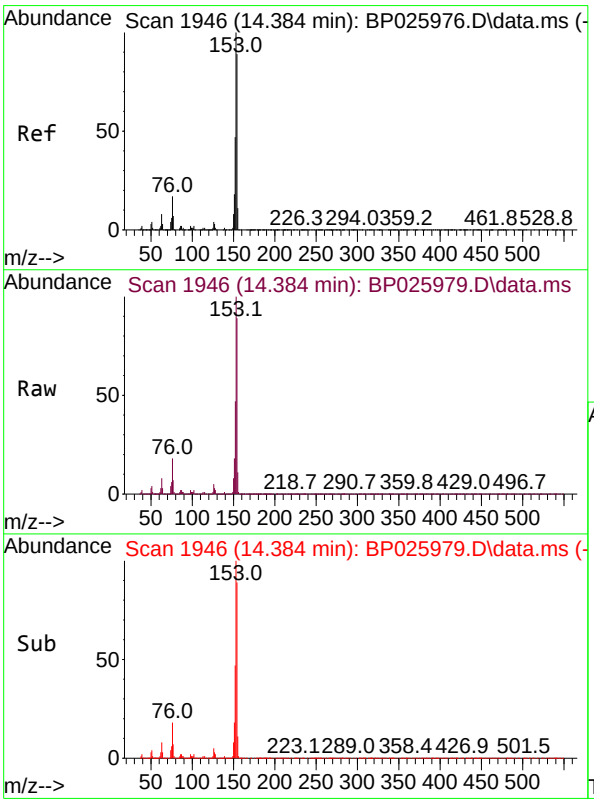
#51
2,6-Dinitrotoluene
Concen: 78.371 ng
RT: 13.901 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 733002

Ion	Ratio	Lower	Upper
165	100		
63	56.7	45.4	68.0
89	54.6	43.4	65.0

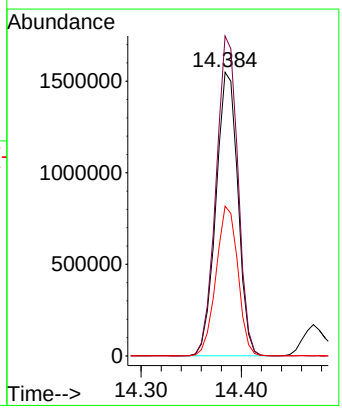


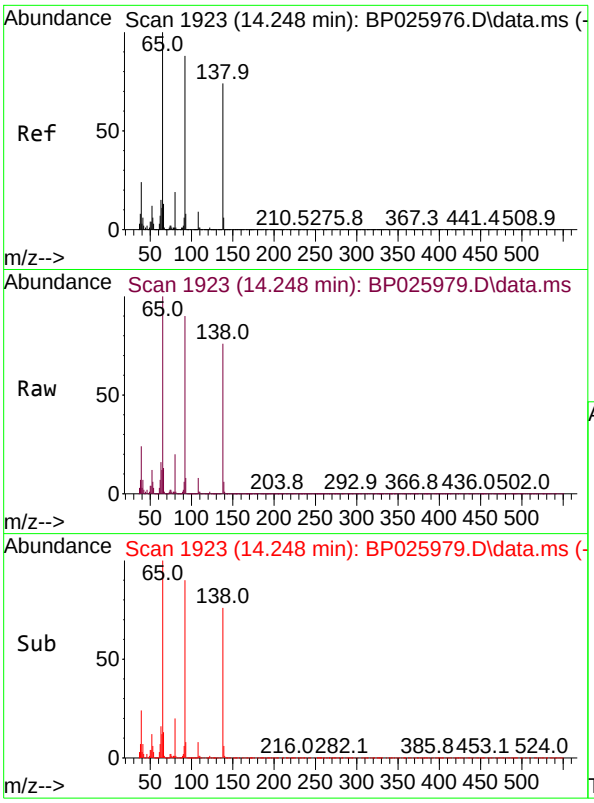


#52
Acenaphthene
Concen: 74.733 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:154 Resp: 2361915

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.2	135.2
152	52.8	42.2	63.2



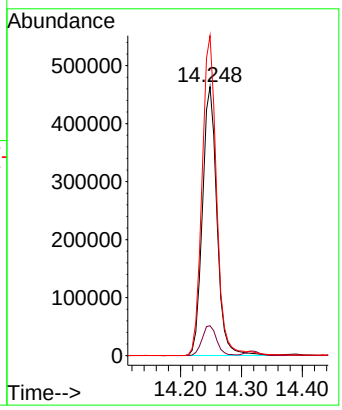


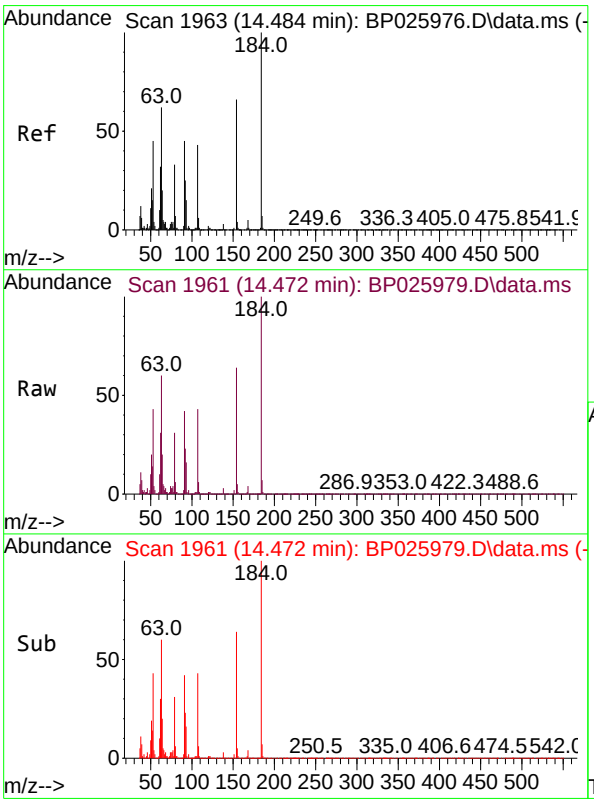
#53
3-Nitroaniline
Concen: 83.284 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 766639

Ion	Ratio	Lower	Upper
138	100		
108	11.1	10.0	15.0
92	119.0	96.1	144.1

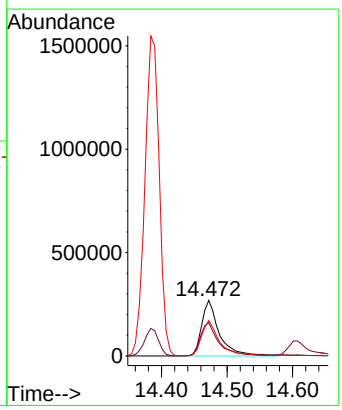


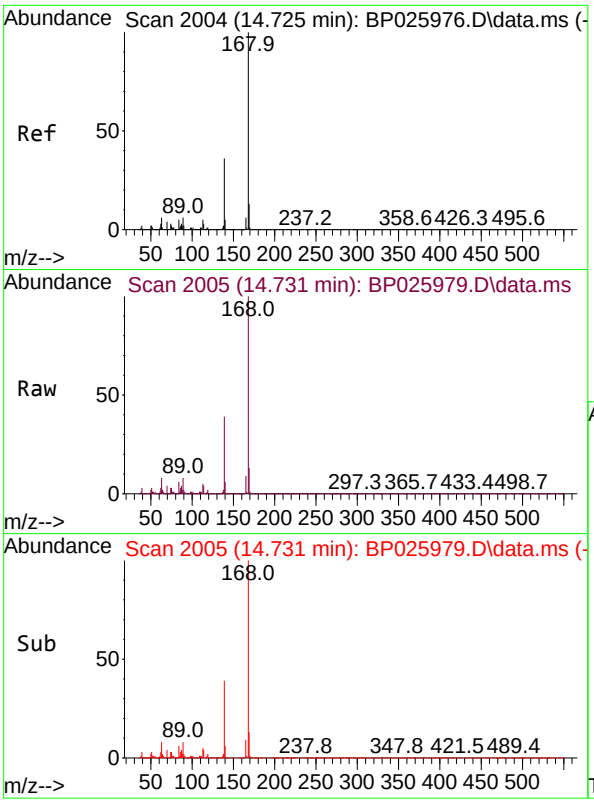


#54
2,4-Dinitrophenol
Concen: 78.171 ng
RT: 14.472 min Scan# 1961
Delta R.T. -0.012 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:184 Resp: 496006

Ion	Ratio	Lower	Upper
184	100		
63	59.8	50.2	75.2
154	63.6	54.2	81.4



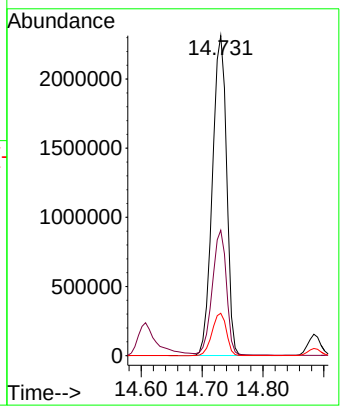


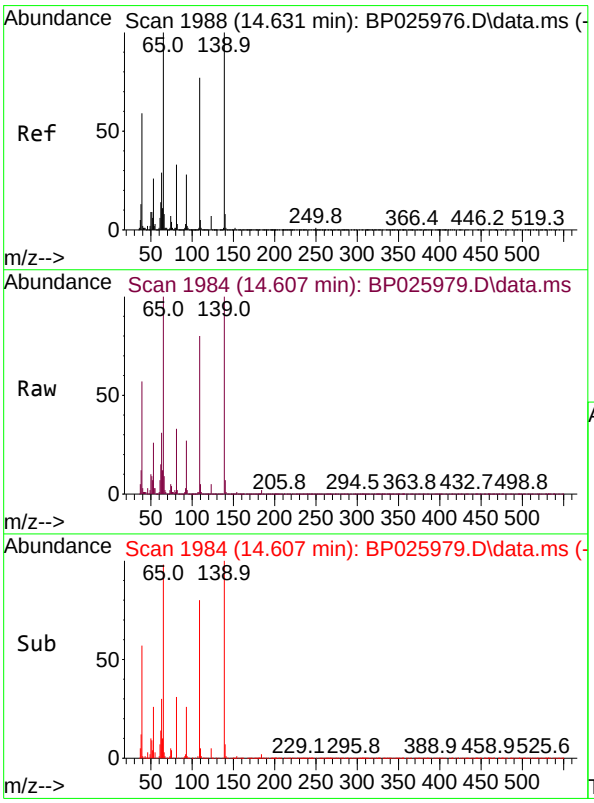
#55
Dibenzofuran
Concen: 74.197 ng
RT: 14.731 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 3754843

Ion	Ratio	Lower	Upper
168	100		
139	39.2	30.5	45.7
169	13.2	10.6	15.8

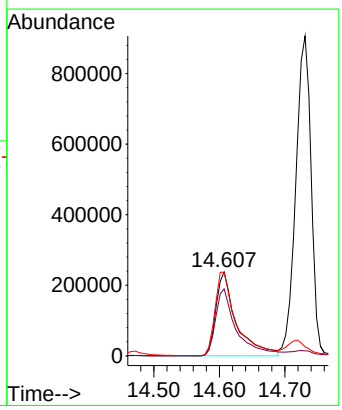


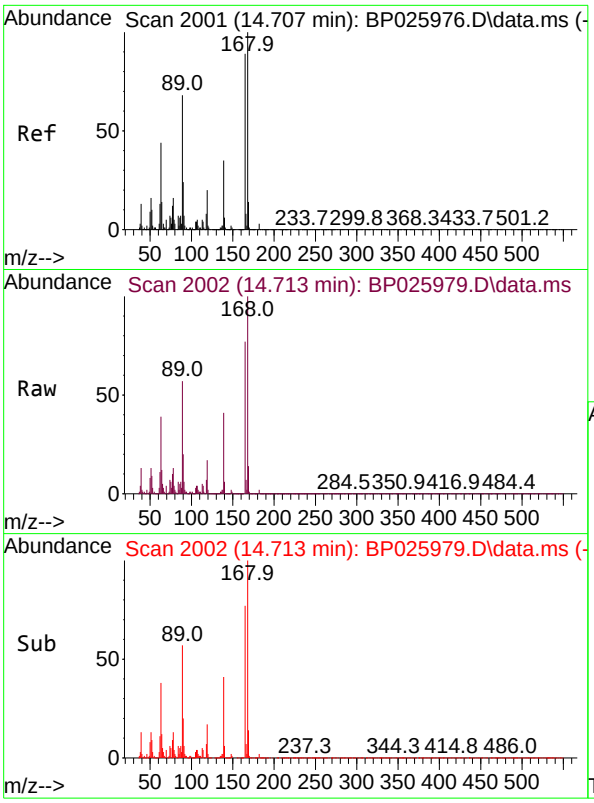


#56
4-Nitrophenol
Concen: 91.443 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.024 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:139 Resp: 516599

Ion	Ratio	Lower	Upper
139	100		
109	79.7	57.6	97.6
65	99.6	81.4	121.4



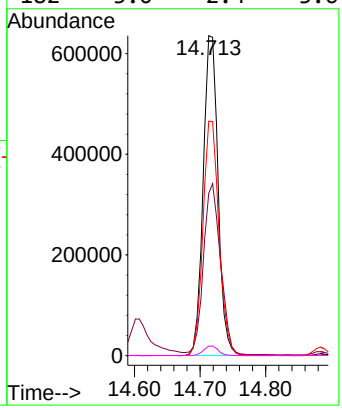


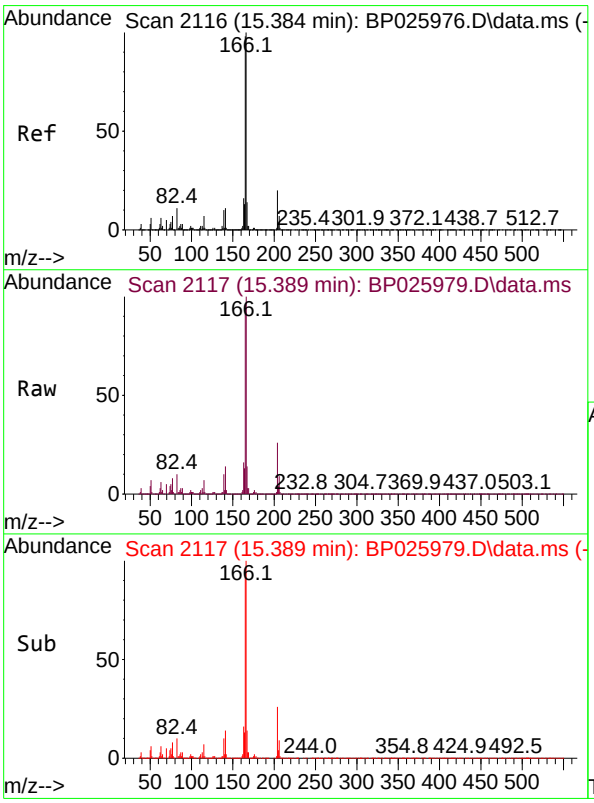
#57
2,4-Dinitrotoluene
Concen: 78.959 ng
RT: 14.713 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1000653

Ion	Ratio	Lower	Upper
165	100		
63	50.7	41.8	62.6
89	73.3	61.6	92.4
182	3.0	2.4	3.6

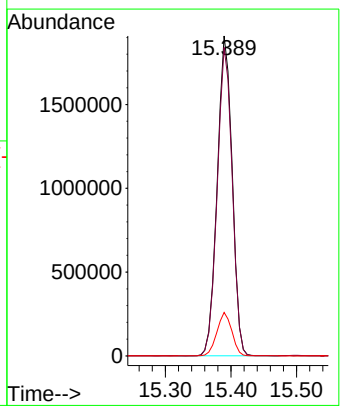


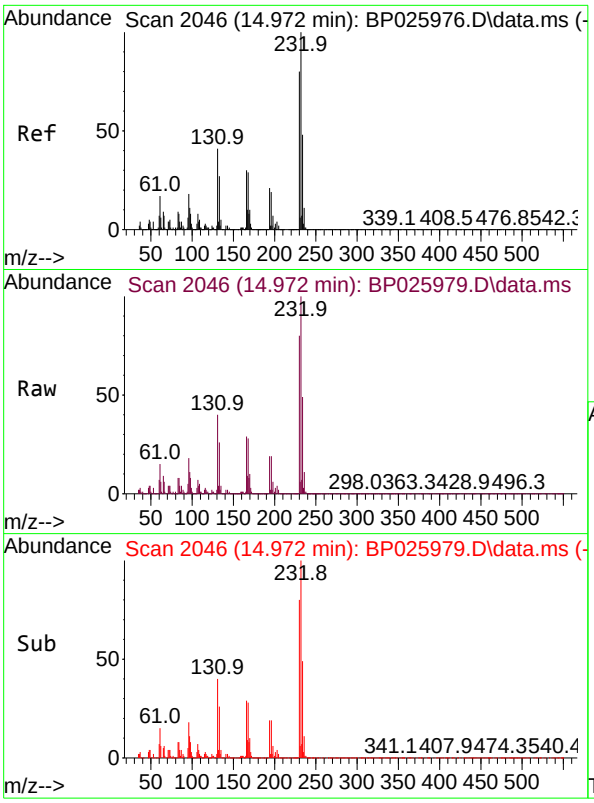


#58
Fluorene
Concen: 74.644 ng
RT: 15.389 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:166 Resp: 3035330

Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.2	117.2
167	13.6	10.8	16.2



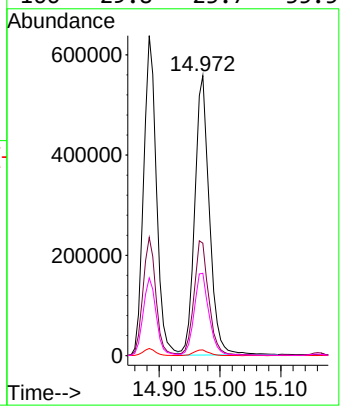


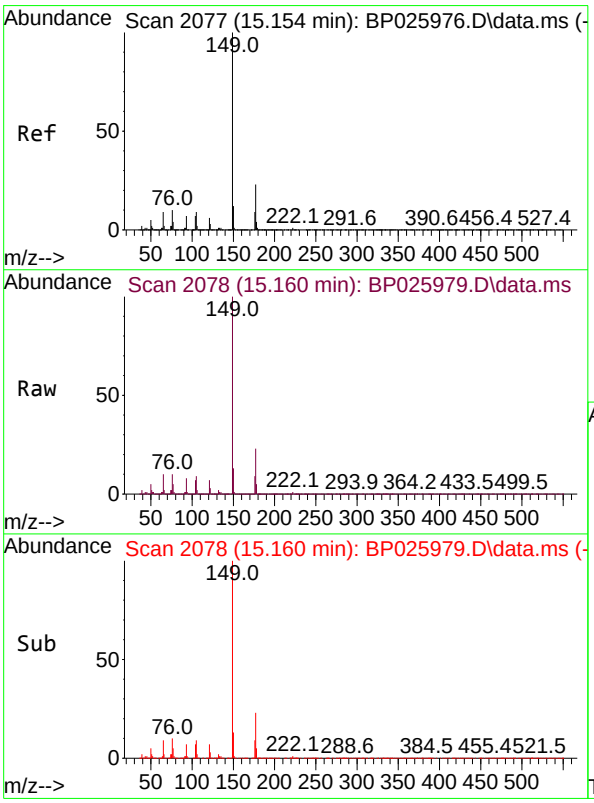
#59
2,3,4,6-Tetrachlorophenol
Concen: 80.289 ng
RT: 14.972 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 929263

Ion	Ratio	Lower	Upper
232	100		
131	42.1	33.8	50.8
130	2.1	1.8	2.8
166	29.8	23.7	35.5

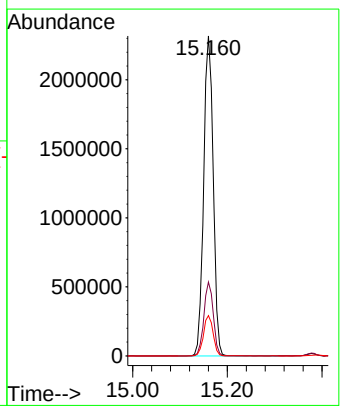


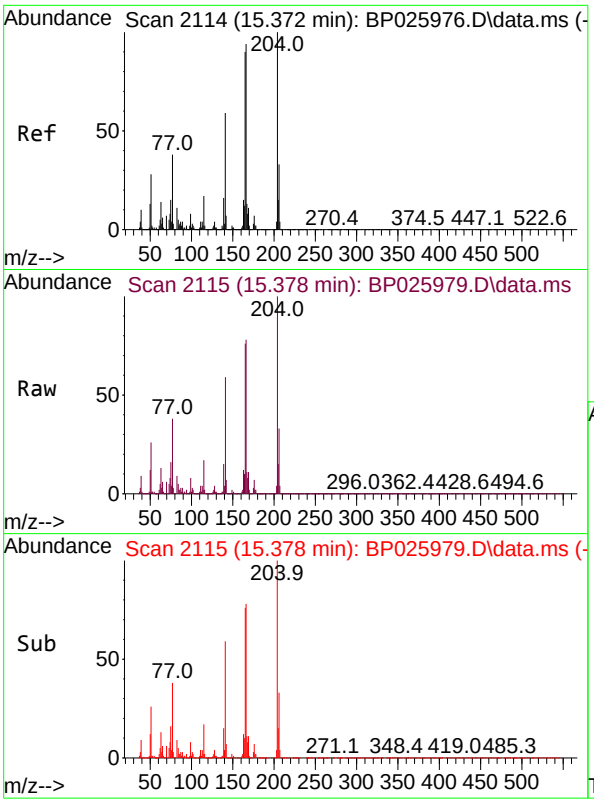


#60
Diethylphthalate
Concen: 75.812 ng
RT: 15.160 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:149 Resp: 3237994

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.2	27.2
150	12.6	9.8	14.6



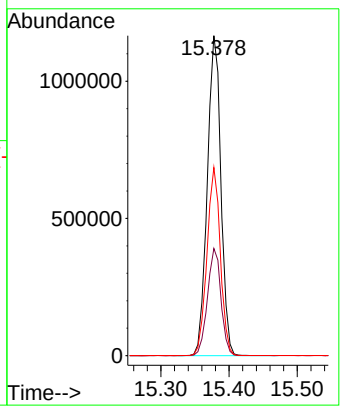


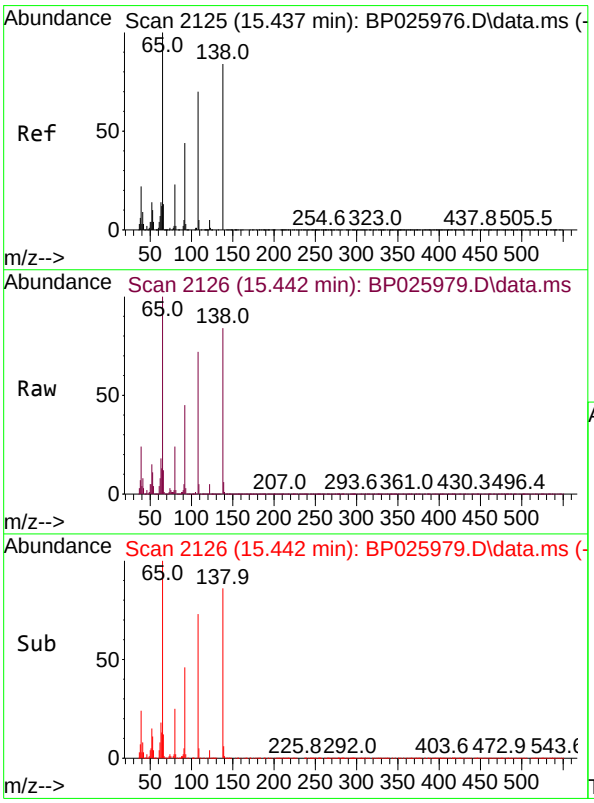
#61
4-Chlorophenyl-phenylether
Concen: 75.425 ng
RT: 15.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 1612838

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.5	39.7
141	58.8	47.2	70.8

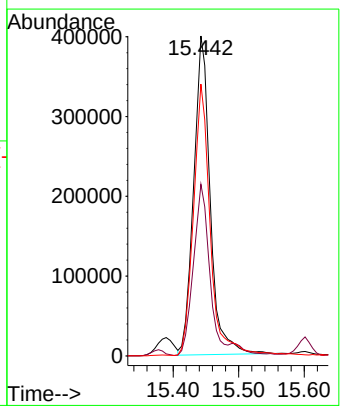


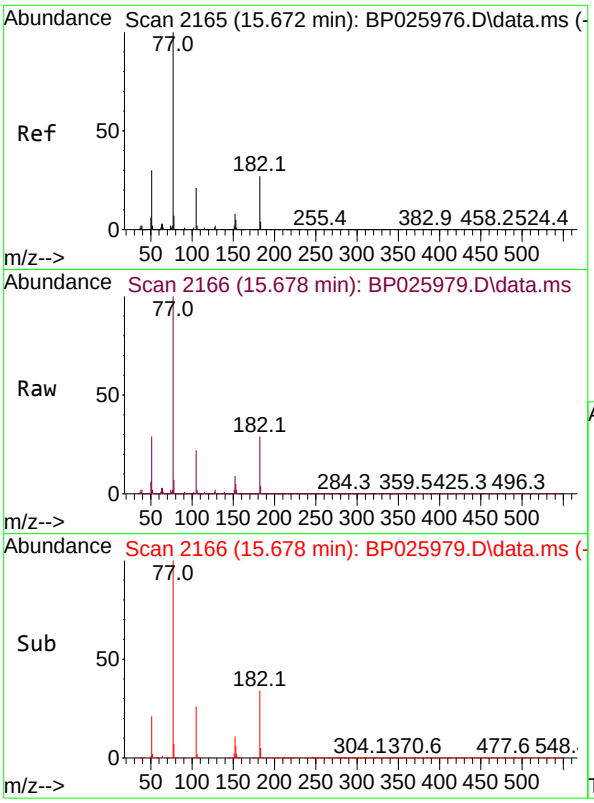


#62
4-Nitroaniline
Concen: 82.358 ng
RT: 15.442 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:138 Resp: 698625

Ion	Ratio	Lower	Upper
138	100		
92	53.6	32.5	72.5
108	84.9	62.7	102.7



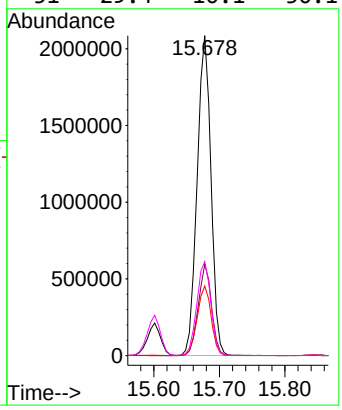


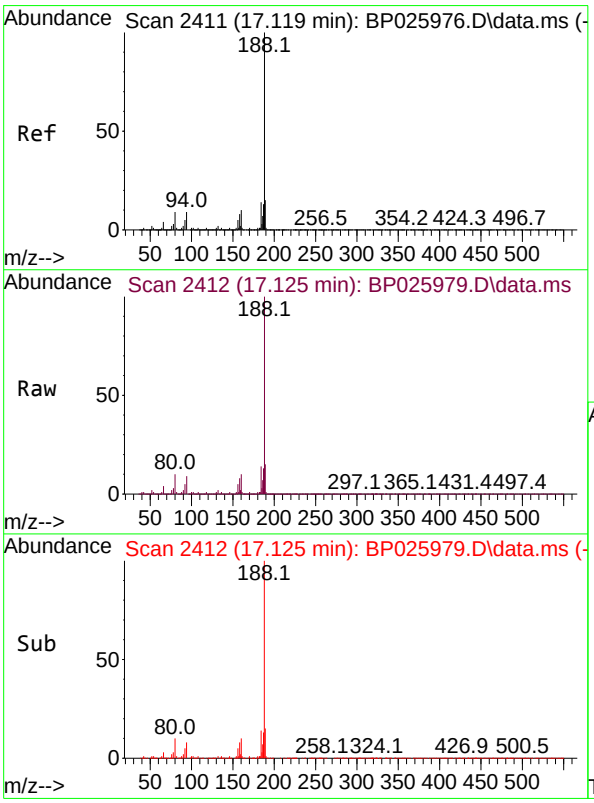
#63
Azobenzene
Concen: 76.360 ng
RT: 15.678 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 3039918

Ion	Ratio	Lower	Upper
77	100		
182	28.5	6.6	46.6
105	21.7	1.3	41.3
51	29.4	10.1	50.1

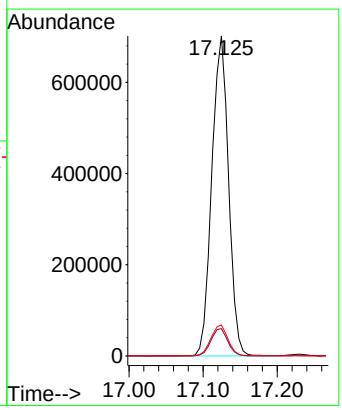


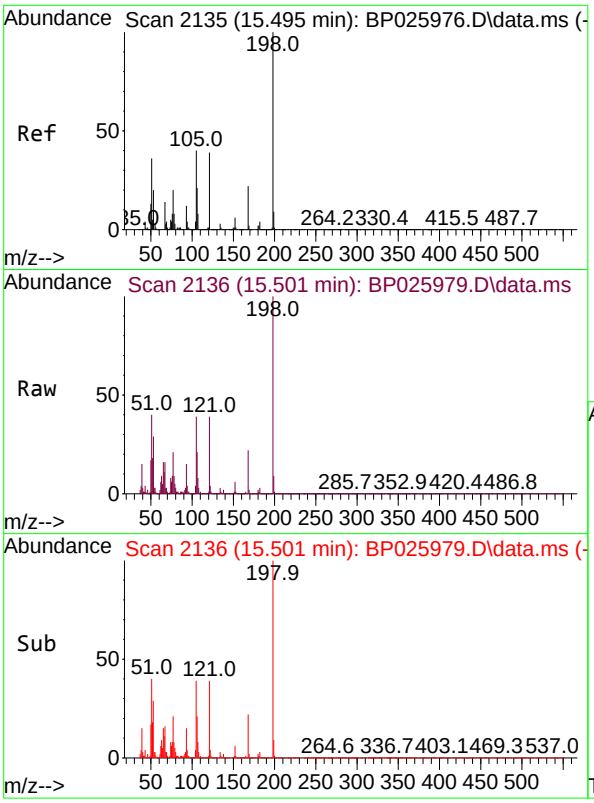


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:188 Resp: 1099586

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.7	7.2	10.8



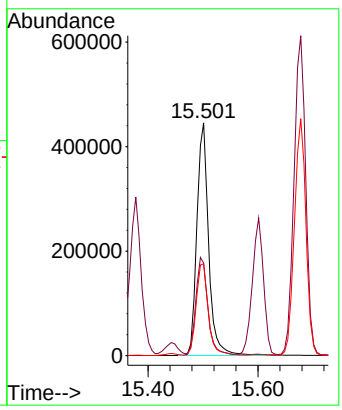


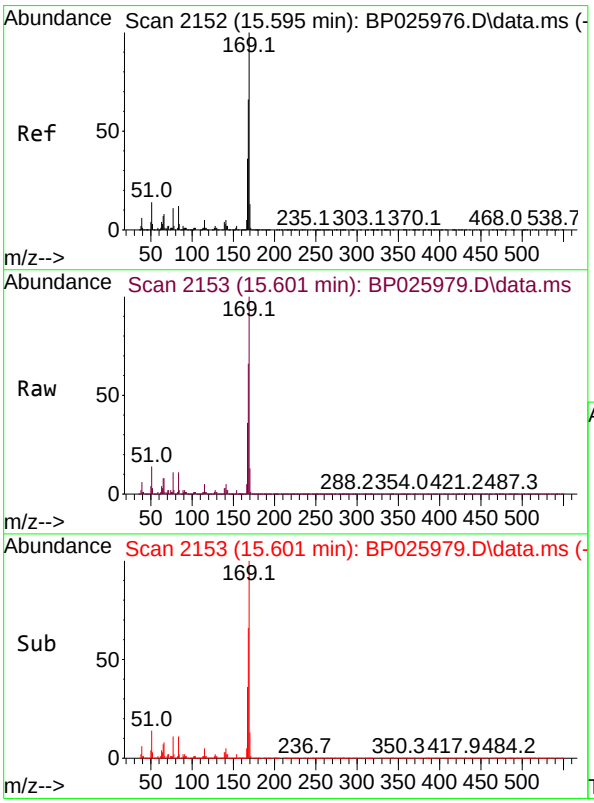
#65
4,6-Dinitro-2-methylphenol
Concen: 83.102 ng
RT: 15.501 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 660428

Ion	Ratio	Lower	Upper
198	100		
51	39.8	22.1	62.1
105	39.4	20.8	60.8

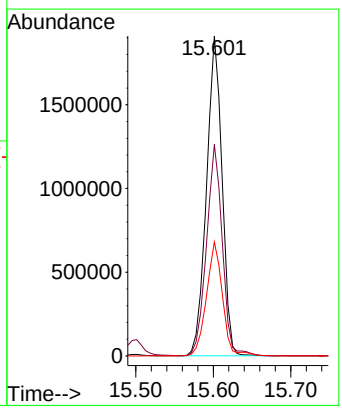


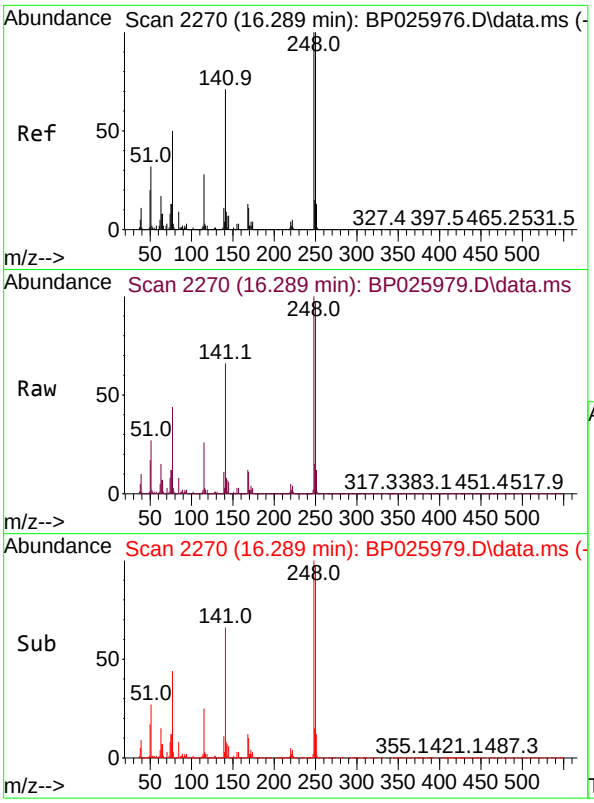


#66
n-Nitrosodiphenylamine
Concen: 75.342 ng
RT: 15.601 min Scan# 2153
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:169 Resp: 2665421

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.2	79.8
167	35.6	28.6	42.8



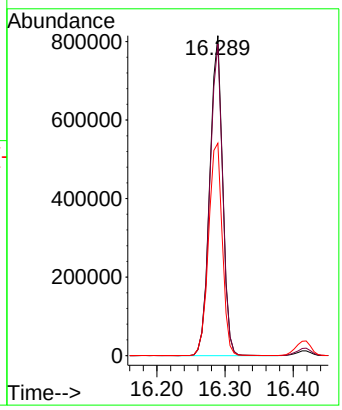


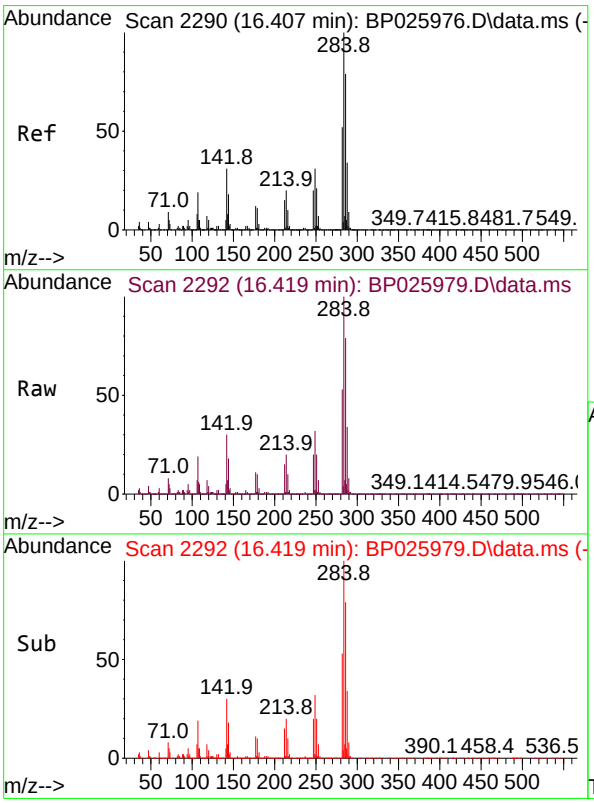
#67
4-Bromophenyl-phenylether
Concen: 78.435 ng
RT: 16.289 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1064527

Ion	Ratio	Lower	Upper
248	100		
250	97.4	79.8	119.6
141	66.4	57.0	85.4

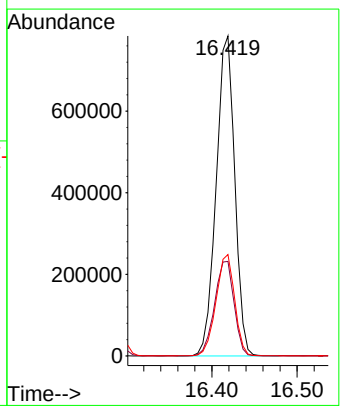


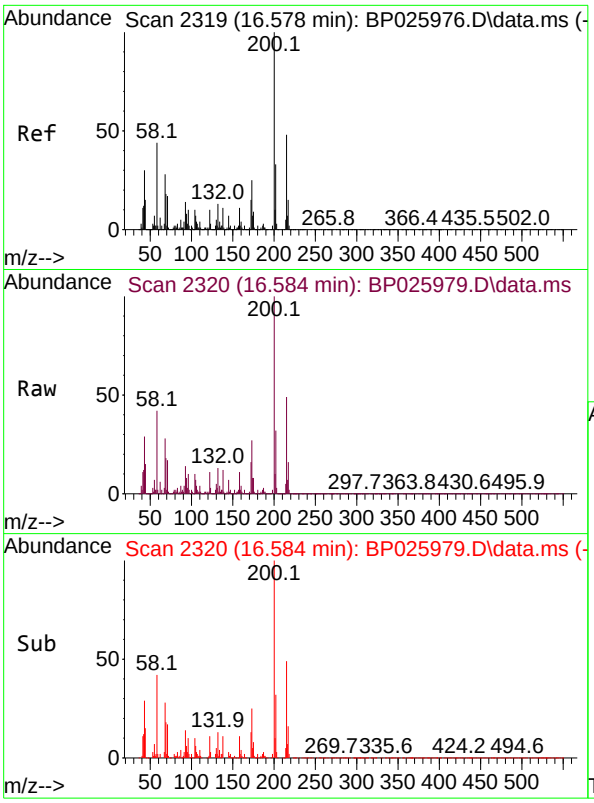


#68
Hexachlorobenzene
Concen: 77.869 ng
RT: 16.419 min Scan# 2292
Delta R.T. 0.012 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:284 Resp: 1185605

Ion	Ratio	Lower	Upper
284	100		
142	29.5	24.9	37.3
249	31.7	25.1	37.7



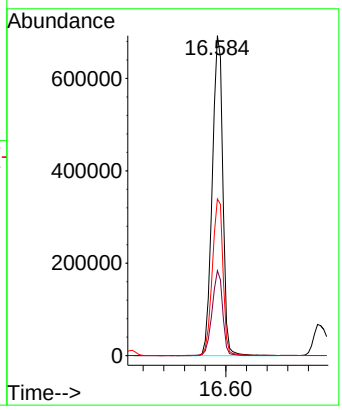


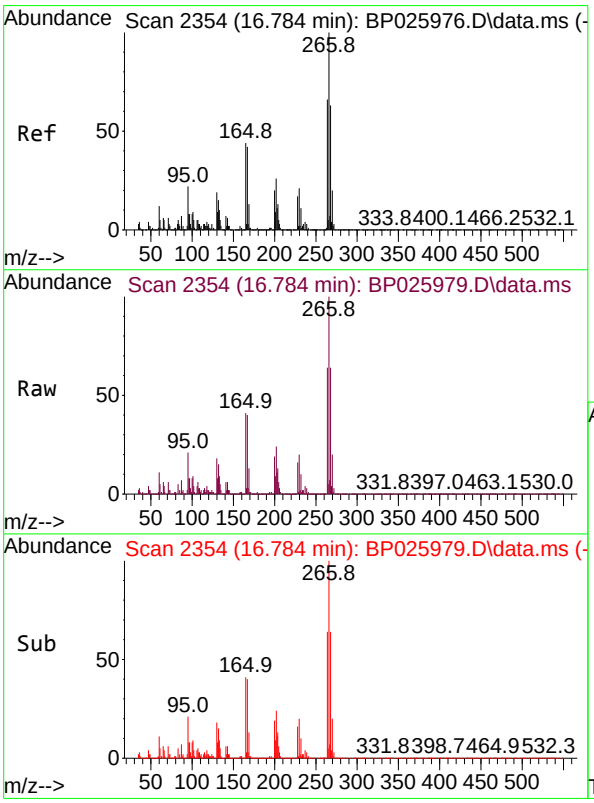
#69
Atrazine
Concen: 76.899 ng
RT: 16.584 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 981431

Ion	Ratio	Lower	Upper
200	100		
173	26.5	5.3	45.3
215	49.0	28.2	68.2

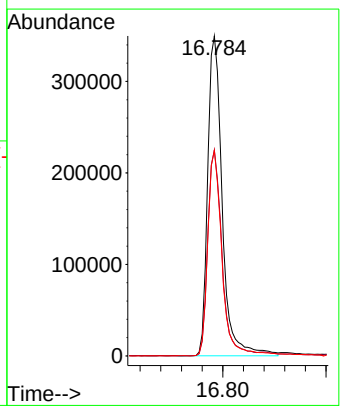


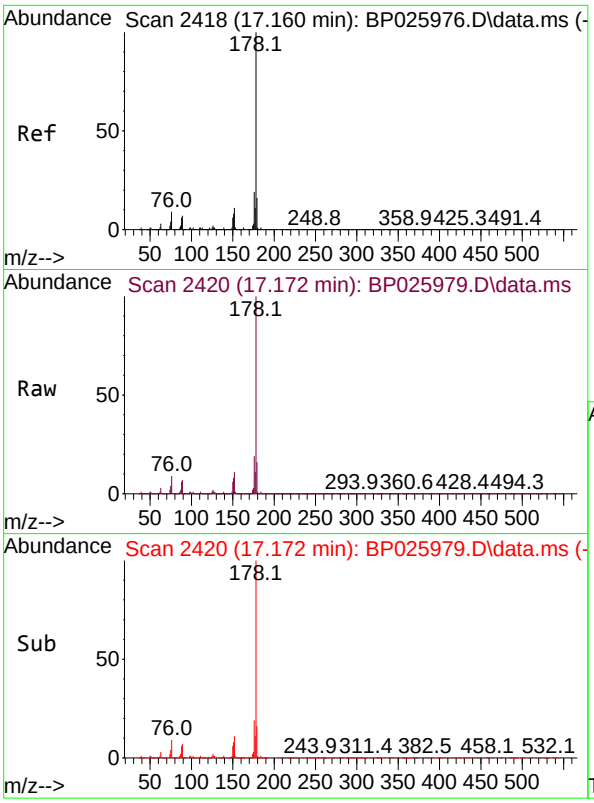


#70
Pentachlorophenol
Concen: 84.702 ng
RT: 16.784 min Scan# 2354
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:266 Resp: 683260

Ion	Ratio	Lower	Upper
266	100		
268	64.3	50.5	75.7
264	64.2	52.9	79.3



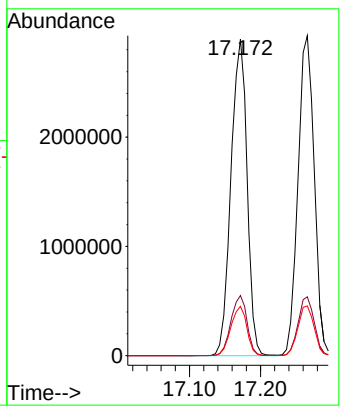


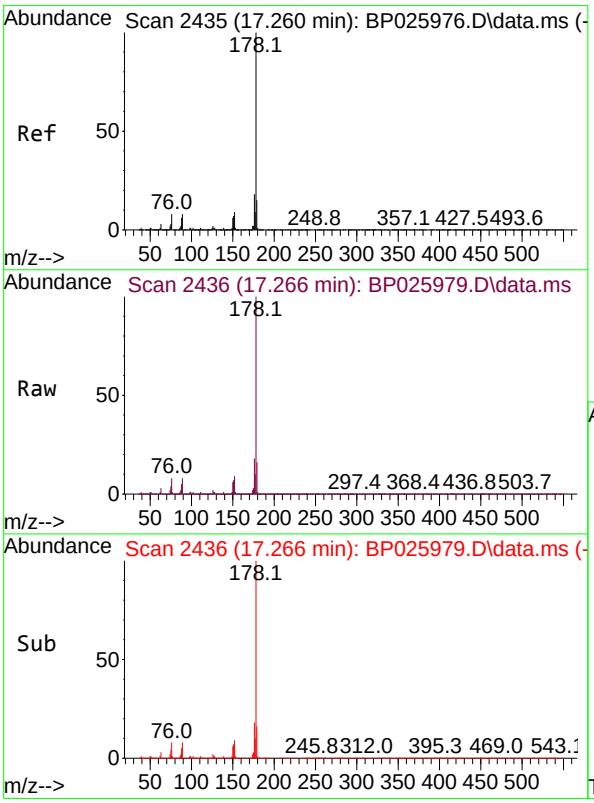
#71
Phenanthrene
Concen: 73.039 ng
RT: 17.172 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 4551842

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.5	12.7	19.1

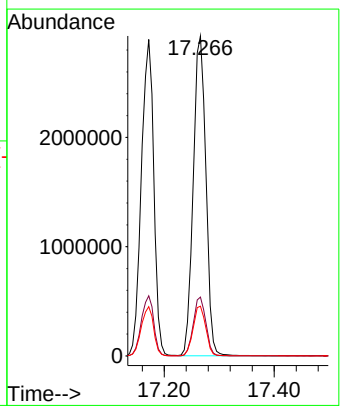


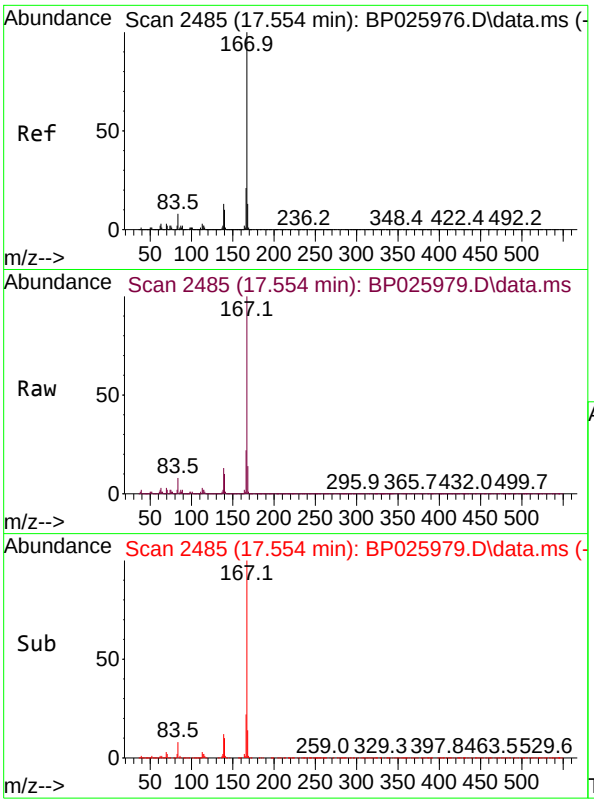


#72
Anthracene
Concen: 73.557 ng
RT: 17.266 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:178 Resp: 4682643

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.5	12.3	18.5



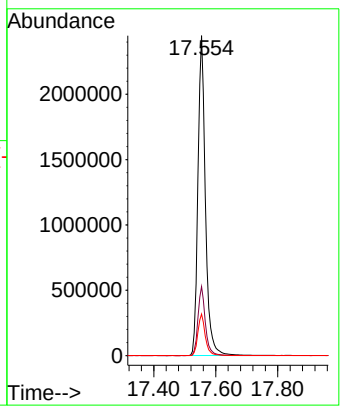


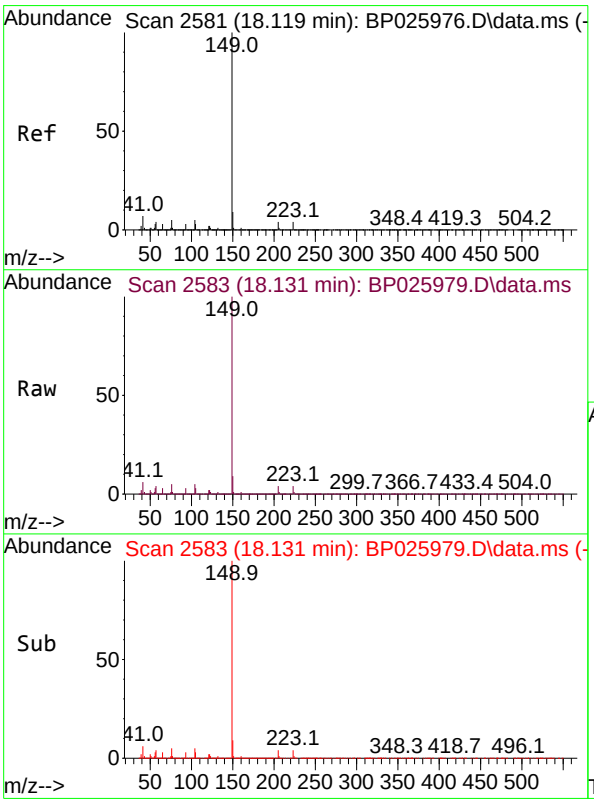
#73
Carbazole
Concen: 73.357 ng
RT: 17.554 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 4116696

Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.7	25.1
139	13.0	10.2	15.2

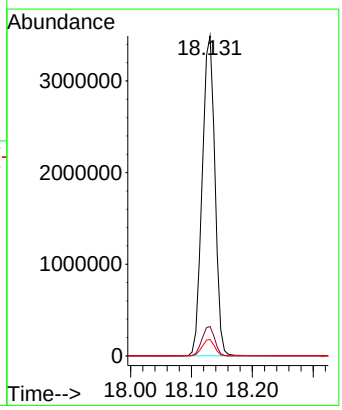


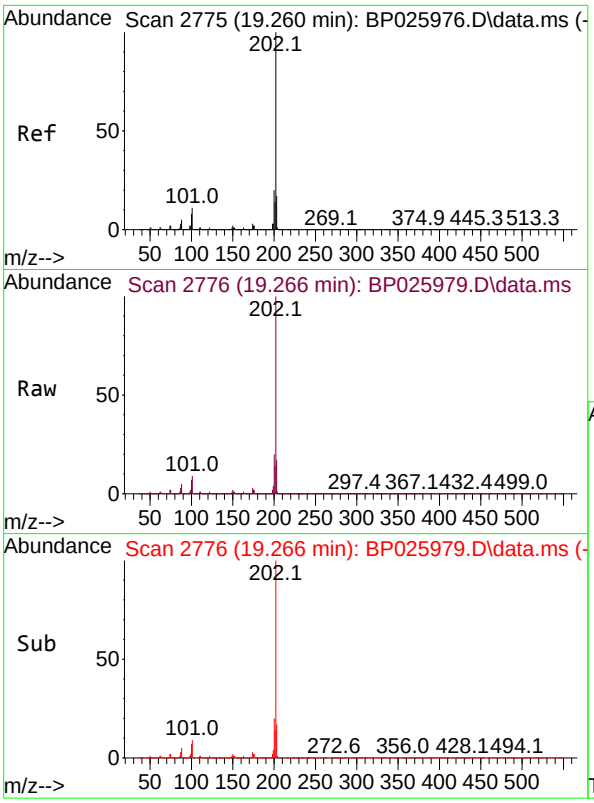


#74
Di-n-butylphthalate
Concen: 73.006 ng
RT: 18.131 min Scan# 2583
Delta R.T. 0.012 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:149 Resp: 5042014

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	5.1	4.1	6.1



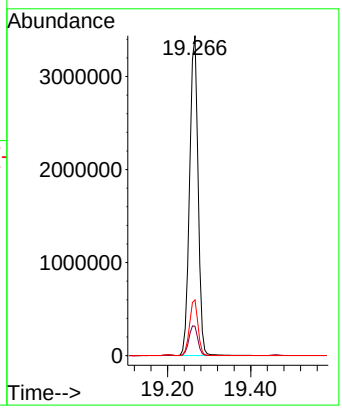


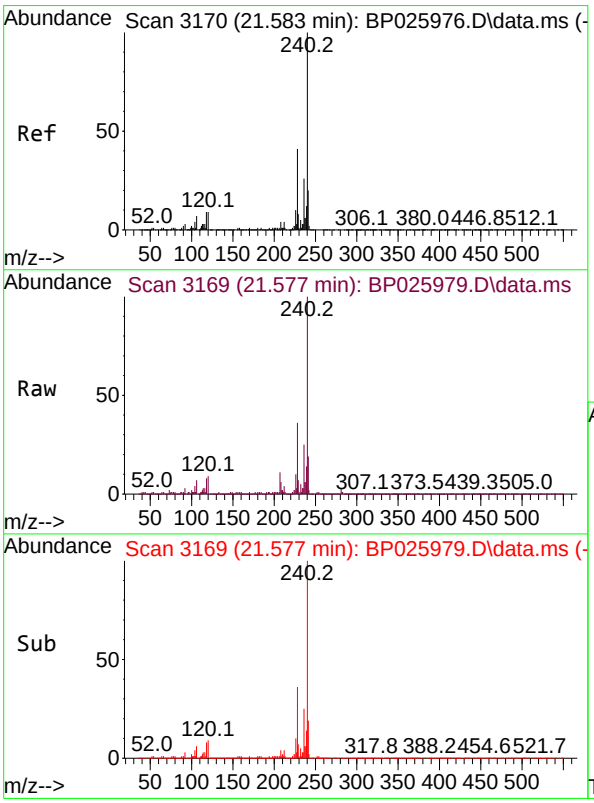
#75
Fluoranthene
Concen: 68.886 ng
RT: 19.266 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 4842528

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.5
203	17.4	0.0	37.1

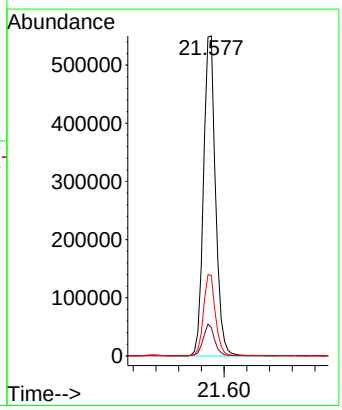


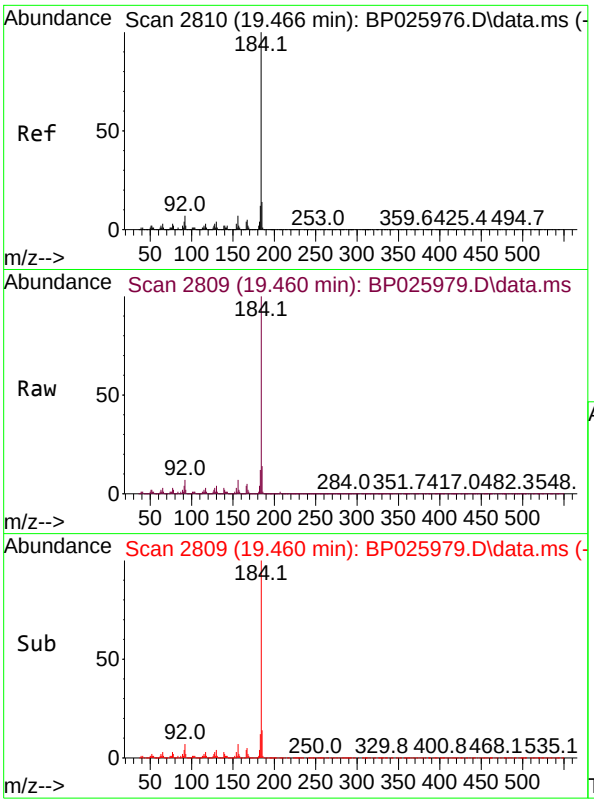


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:240 Resp: 809390

Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.4	11.0
236	25.2	20.4	30.6



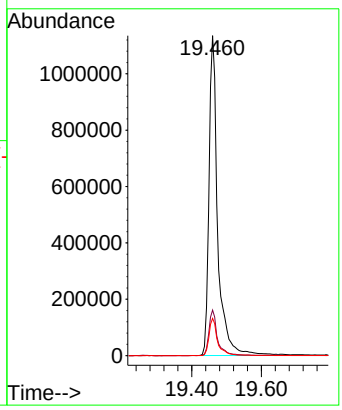


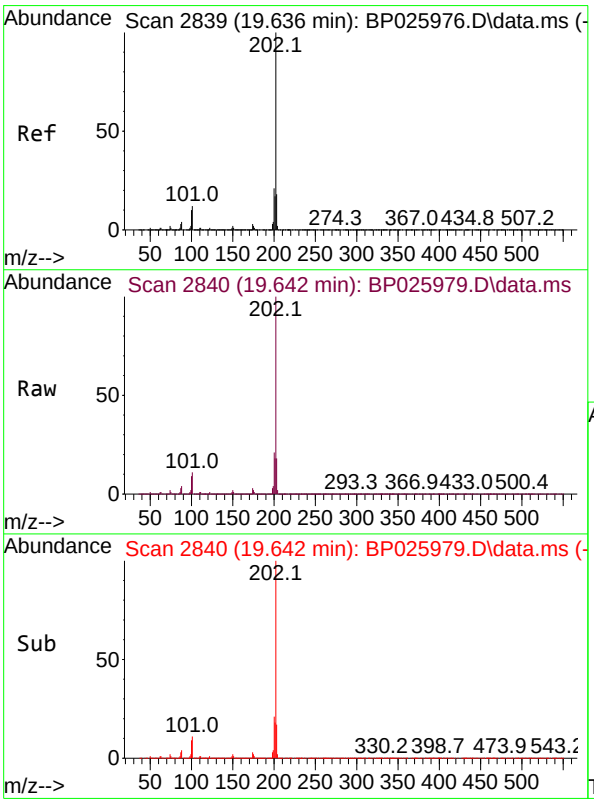
#77
Benzidine
Concen: 76.462 ng
RT: 19.460 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 1982980

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.0
183	11.6	9.4	14.2

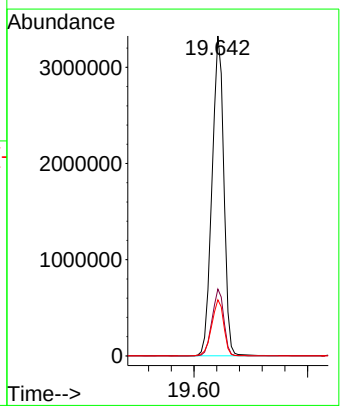


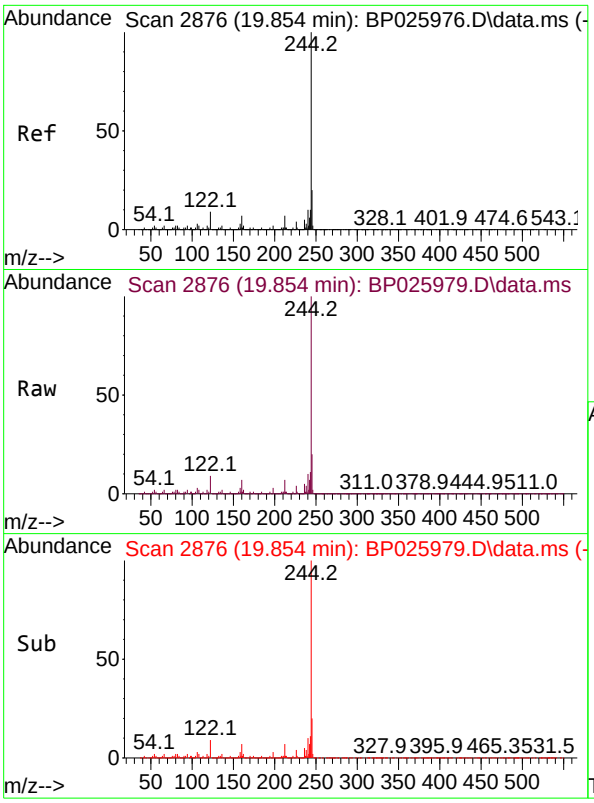


#78
Pyrene
Concen: 80.348 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:202 Resp: 4796481

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.5	14.1	21.1



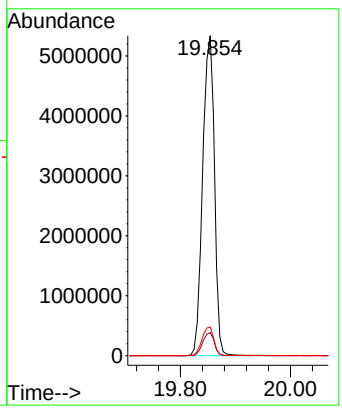


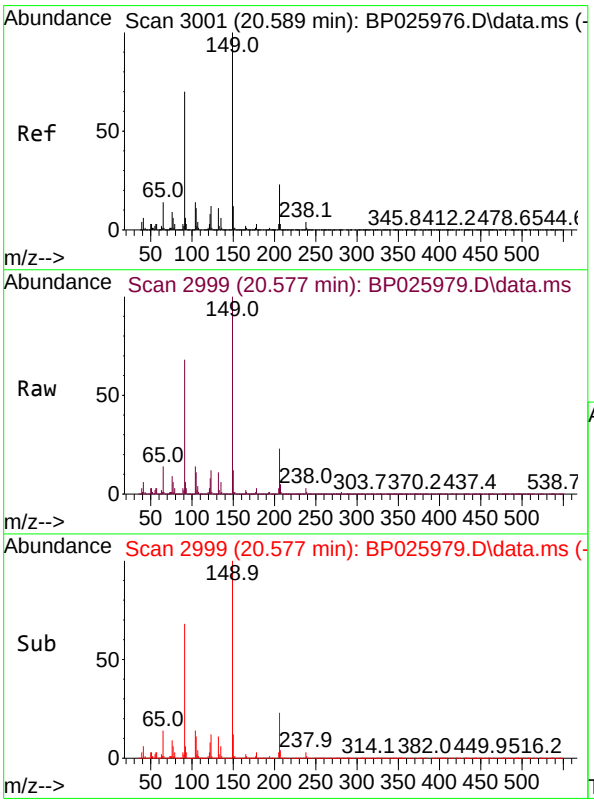
#79
Terphenyl-d14
Concen: 156.336 ng
RT: 19.854 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 7917555

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	8.9	7.1	10.7

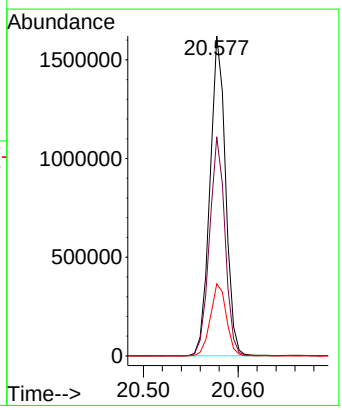


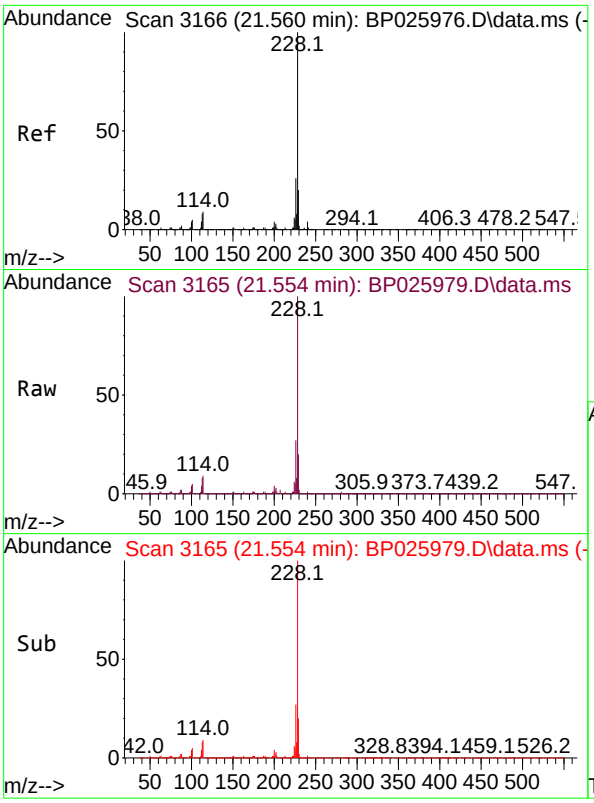


#80
Butylbenzylphthalate
Concen: 78.326 ng
RT: 20.577 min Scan# 2999
Delta R.T. -0.012 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:149 Resp: 1860728

Ion	Ratio	Lower	Upper
149	100		
91	68.5	56.0	84.0
206	22.5	18.6	27.8



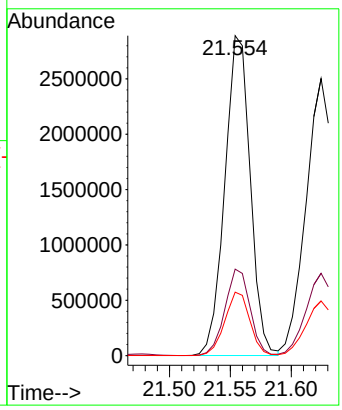


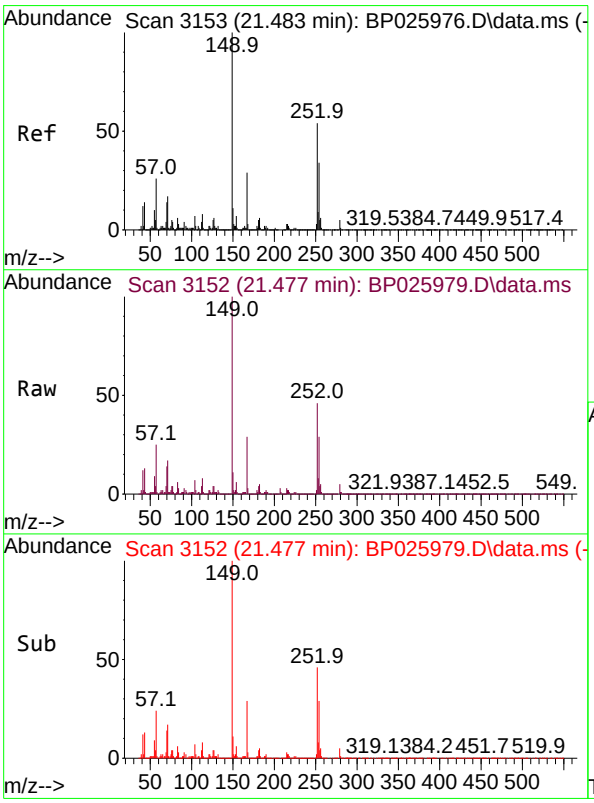
#81
Benzo(a)anthracene
Concen: 76.030 ng
RT: 21.554 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 4208838

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.0	31.6
229	19.8	15.7	23.5

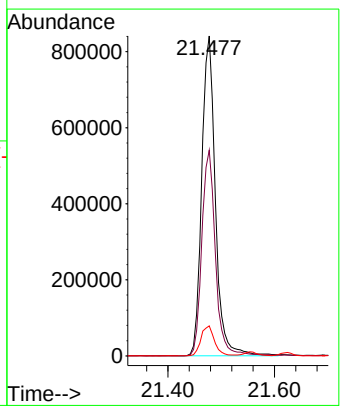


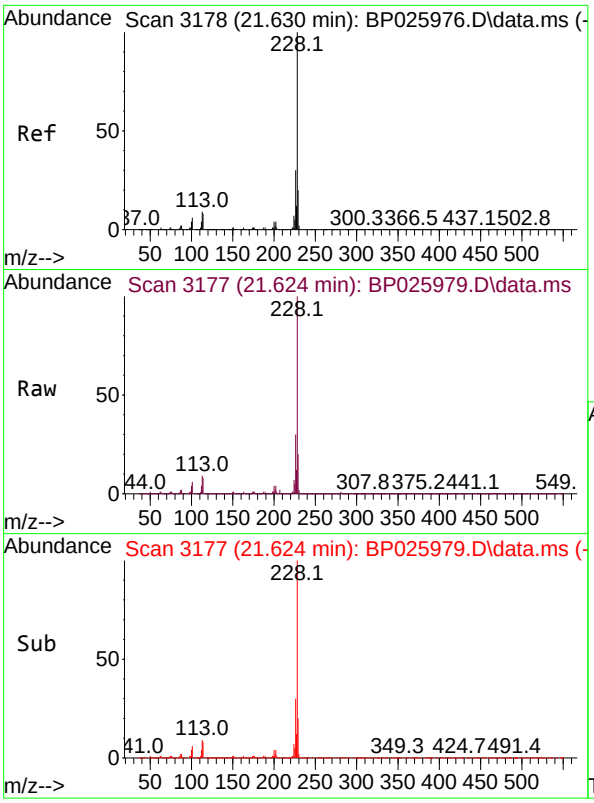


#82
3,3'-Dichlorobenzidine
Concen: 75.874 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:252 Resp: 1494723

Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.6	75.8
126	9.4	8.0	12.0



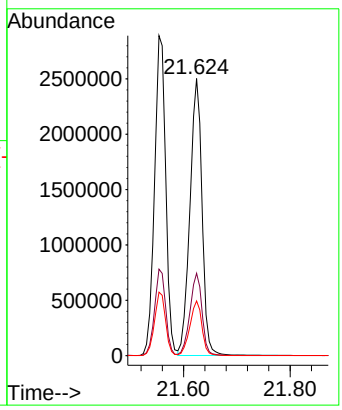


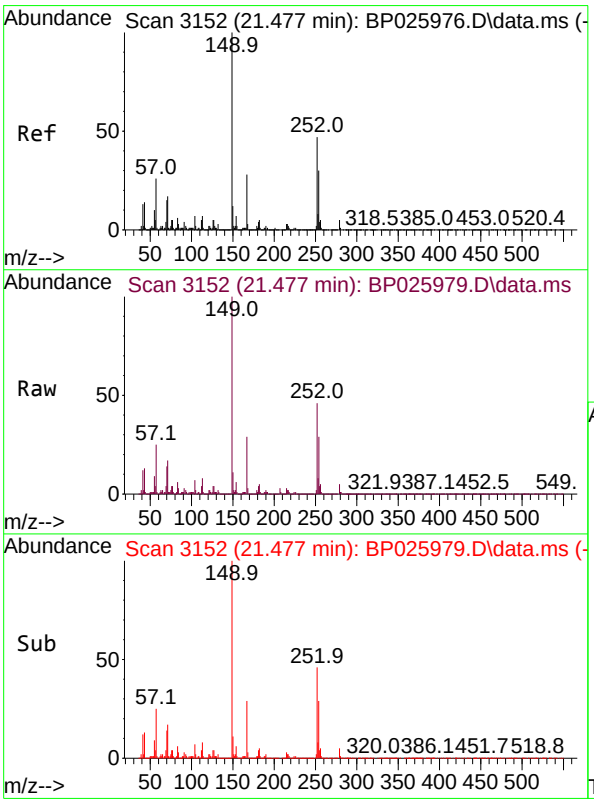
#83
Chrysene
Concen: 74.840 ng
RT: 21.624 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 3961327

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.5	35.3
229	19.7	15.6	23.4

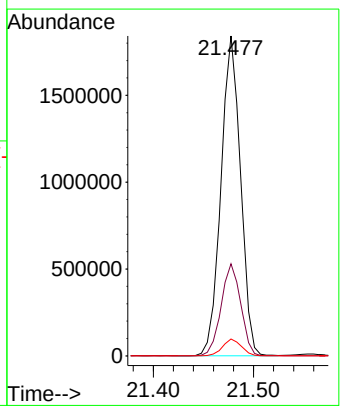


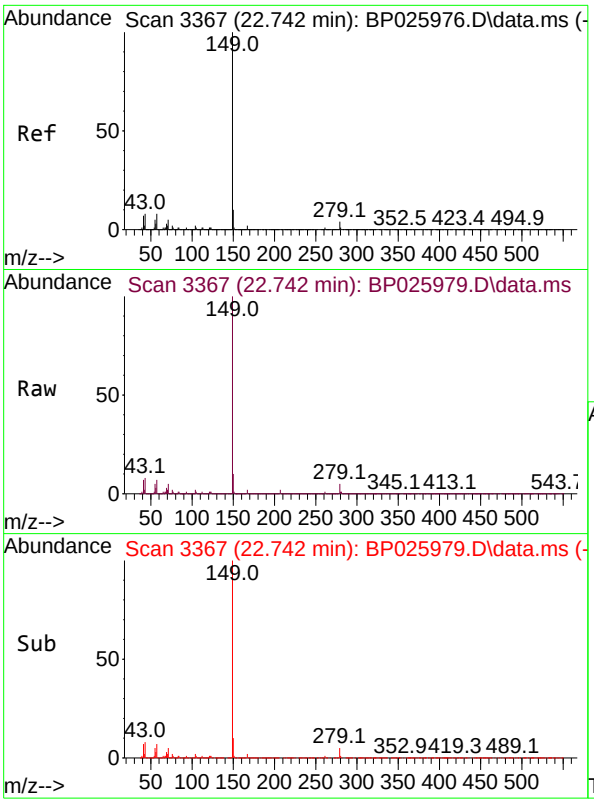


#84
Bis(2-ethylhexyl)phthalate
Concen: 76.168 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:149 Resp: 2498012

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.8	34.2
279	5.3	3.8	5.8



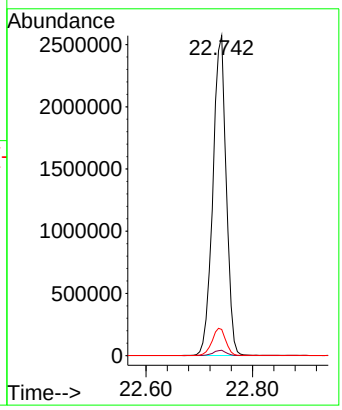


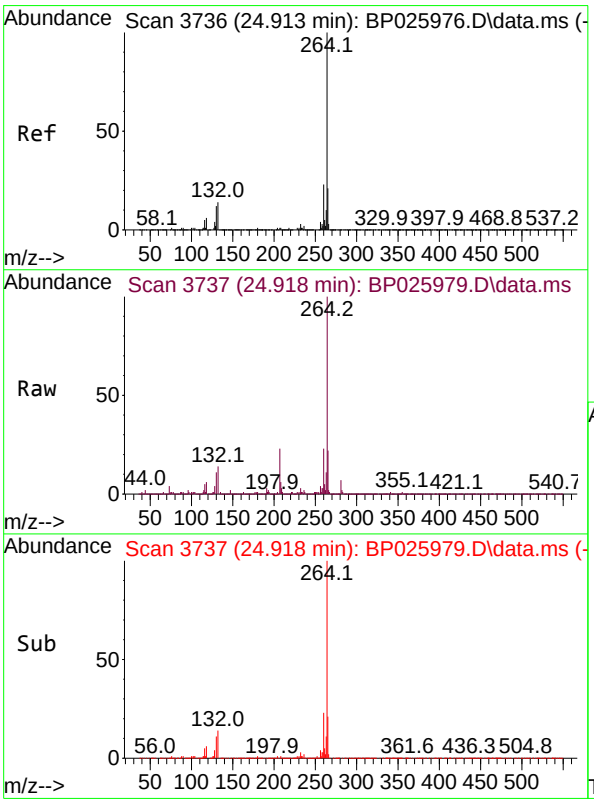
#85
Di-n-octyl phthalate
Concen: 79.816 ng
RT: 22.742 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4469657

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.8	7.2	10.8

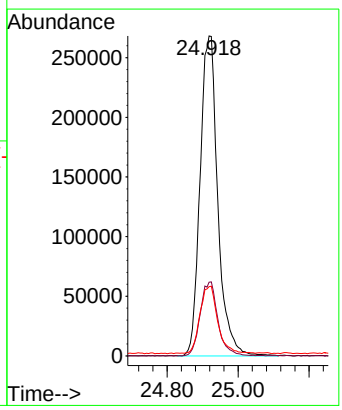


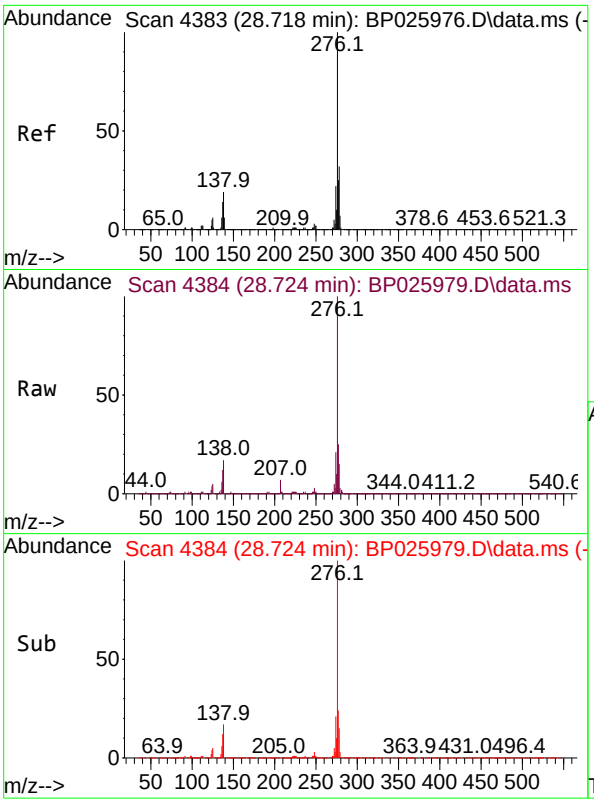


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 3737
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:264 Resp: 924612

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	21.6	17.7	26.5



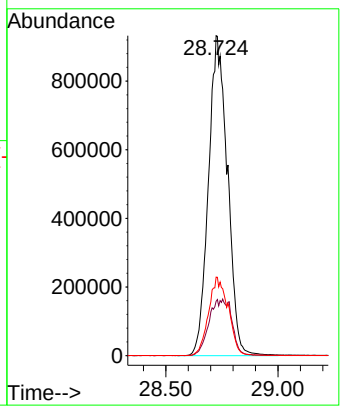


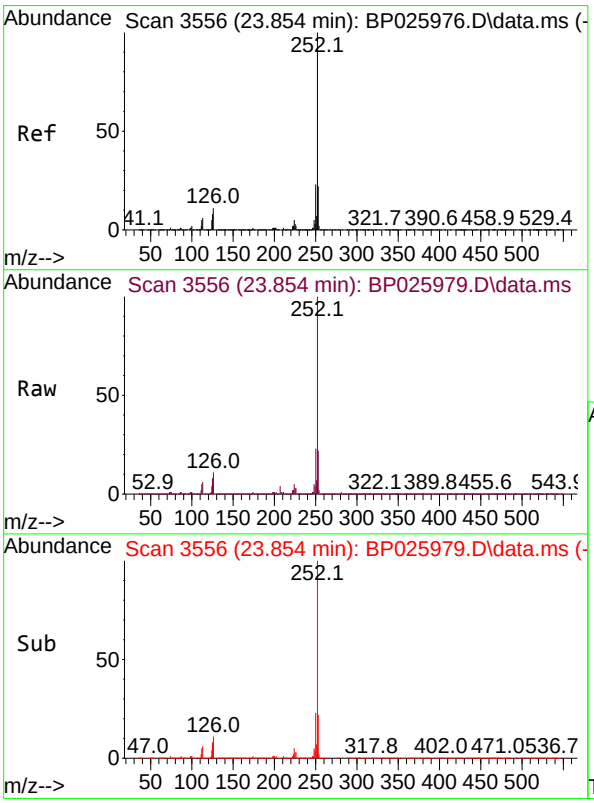
#87
Indeno(1,2,3-cd)pyrene
Concen: 78.864 ng
RT: 28.724 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 5492824

Ion	Ratio	Lower	Upper
276	100		
138	9.7	17.4	26.0#
277	25.4	20.3	30.5

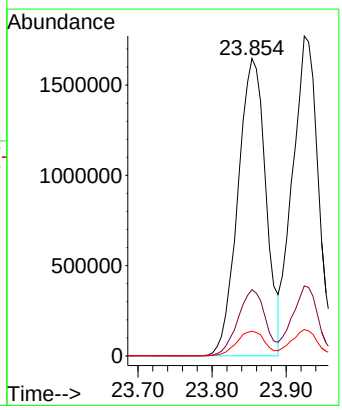


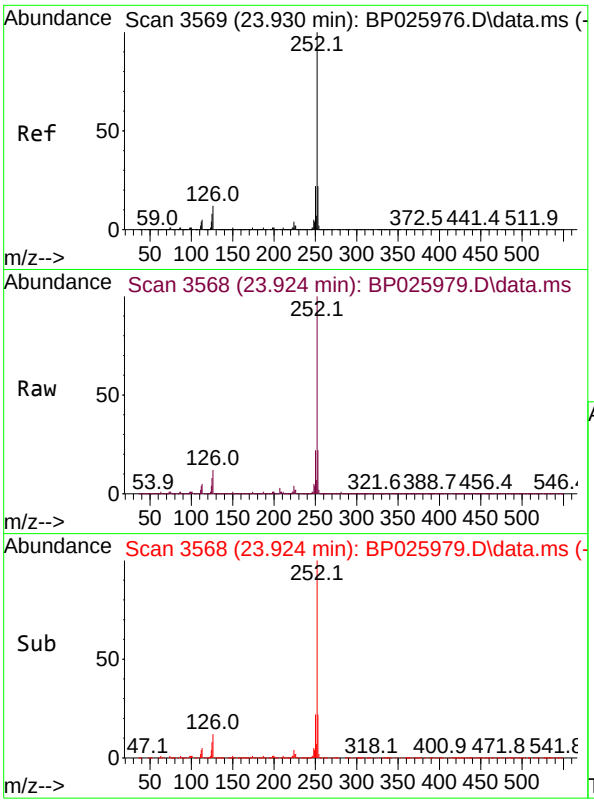


#88
Benzo(b)fluoranthene
Concen: 75.113 ng
RT: 23.854 min Scan# 3556
Delta R.T. 0.000 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:252 Resp: 4325350

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	8.3	6.8	10.2



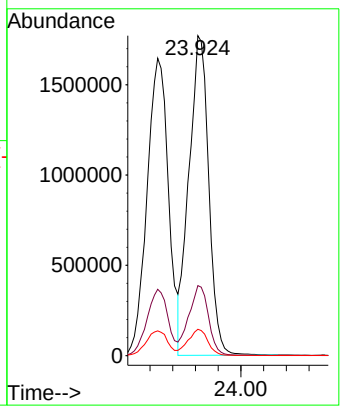


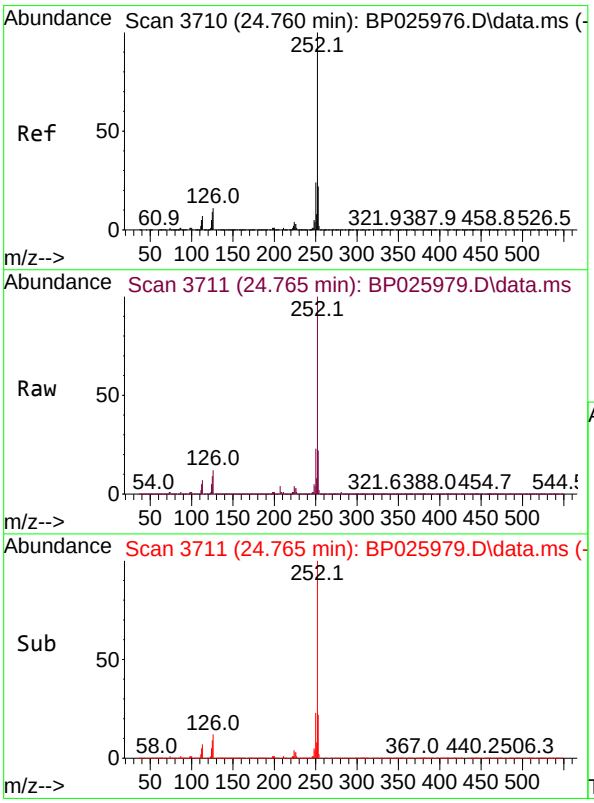
#89
Benzo(k)fluoranthene
Concen: 73.354 ng
RT: 23.924 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 4286887

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.2	6.6	10.0

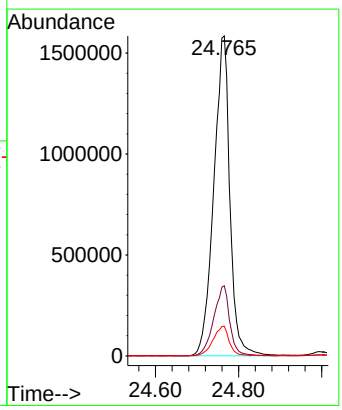


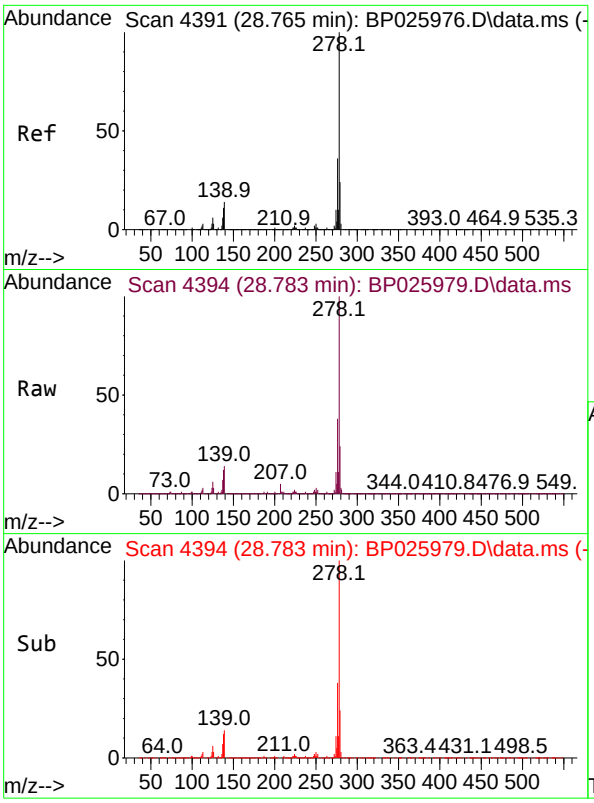


#90
Benzo(a)pyrene
Concen: 75.907 ng
RT: 24.765 min Scan# 3711
Delta R.T. 0.006 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:252 Resp: 4247050

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.3	7.4	11.2



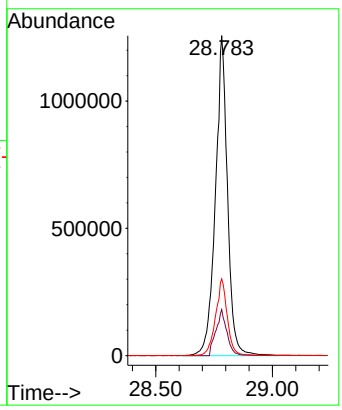


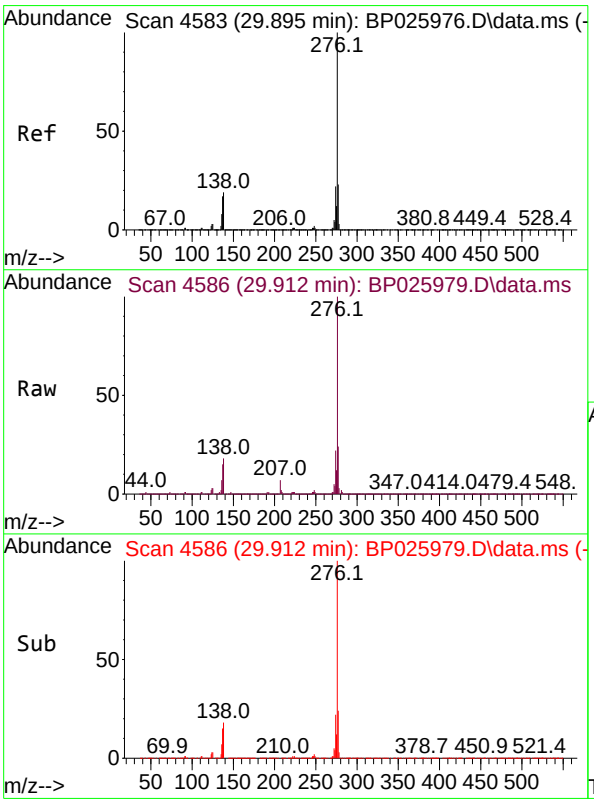
#91
Dibenzo(a,h)anthracene
Concen: 79.430 ng
RT: 28.783 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 4509812

Ion	Ratio	Lower	Upper
278	100		
139	14.4	10.9	16.3
279	24.0	19.5	29.3

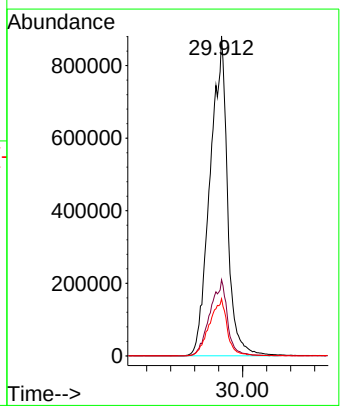




#92
Benzo(g,h,i)perylene
Concen: 79.824 ng
RT: 29.912 min Scan# 4586
Delta R.T. 0.018 min
Lab File: BP025979.D
Acq: 15 Oct 2025 18:35

Tgt Ion:276 Resp: 4440642

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	17.8	15.5	23.3



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025980.D
Acq On : 15 Oct 2025 22:00
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Quant Time: Oct 15 23:57:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.702	152	177295	20.000	ng		0.00
21) Naphthalene-d8	10.460	136	768306	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	518268	20.000	ng		0.00
64) Phenanthrene-d10	17.119	188	996679	20.000	ng		0.00
76) Chrysene-d12	21.566	240	807632	20.000	ng		-0.02
86) Perylene-d12	24.895	264	864728	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.337	112	968706	89.581	ng		0.00
7) Phenol-d6	6.908	99	1352292	89.609	ng		0.00
23) Nitrobenzene-d5	8.849	82	1545537	90.418	ng		0.00
42) 2,4,6-Tribromophenol	15.837	330	647744	92.839	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	3495097	86.437	ng		0.00
79) Terphenyl-d14	19.848	244	4697552	92.957	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.249	88	178286	41.622	ng		99
3) Pyridine	3.655	79	529677	44.313	ng		100
4) n-Nitrosodimethylamine	3.567	42	229849	43.878	ng		98
6) Aniline	7.043	93	892645	44.183	ng		97
8) 2-Chlorophenol	7.284	128	552624	44.097	ng		99
9) Benzaldehyde	6.861	77	623878	77.472	ng		99
10) Phenol	6.931	94	695138	45.623	ng		98
11) bis(2-Chloroethyl)ether	7.131	93	558616	44.964	ng		99
12) 1,3-Dichlorobenzene	7.590	146	603165	43.412	ng		99
13) 1,4-Dichlorobenzene	7.731	146	614487	43.408	ng		100
14) 1,2-Dichlorobenzene	8.049	146	602790	43.528	ng		99
15) Benzyl Alcohol	7.949	79	570671	44.429	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.213	45	829187	43.341	ng		99
17) 2-Methylphenol	8.160	107	483762	44.296	ng		99
18) Hexachloroethane	8.755	117	231156	42.790	ng		98
19) n-Nitroso-di-n-propyla...	8.496	70	485745	45.152	ng		99
20) 3+4-Methylphenols	8.490	107	662570	43.542	ng		99
22) Acetophenone	8.519	105	936798	44.850	ng	#	99
24) Nitrobenzene	8.890	77	685385	45.089	ng		99
25) Isophorone	9.413	82	1363777	44.423	ng		100
26) 2-Nitrophenol	9.596	139	339880	46.170	ng		98
27) 2,4-Dimethylphenol	9.666	122	566196	45.389	ng		100
28) bis(2-Chloroethoxy)met...	9.878	93	800500	44.574	ng		98
29) 2,4-Dichlorophenol	10.143	162	565471	45.494	ng		97
30) 1,2,4-Trichlorobenzene	10.331	180	619429	44.019	ng		98
31) Naphthalene	10.513	128	1817199	43.845	ng		100
32) Benzoic acid	9.896	122	416971	46.128	ng		99
33) 4-Chloroaniline	10.637	127	794662	45.149	ng		99
34) Hexachlorobutadiene	10.790	225	414838	44.545	ng		99
35) Caprolactam	11.460	113	194511	43.975	ng		96
36) 4-Chloro-3-methylphenol	11.784	107	661555	45.334	ng		98
37) 2-Methylnaphthalene	12.125	142	1215966	44.810	ng		99
38) 1-Methylnaphthalene	12.343	142	1244013	43.463	ng		99
40) 1,2,4,5-Tetrachloroben...	12.501	216	752174	44.570	ng		100
41) Hexachlorocyclopentadiene	12.466	237	412448	44.056	ng		99
43) 2,4,6-Trichlorophenol	12.754	196	495655	46.271	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025980.D
Acq On : 15 Oct 2025 22:00
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Quant Time: Oct 15 23:57:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.854	196	534881	45.855	ng	98
46) 1,1'-Biphenyl	13.143	154	1708702	43.646	ng	99
47) 2-Chloronaphthalene	13.190	162	1346897	44.001	ng	99
48) 2-Nitroaniline	13.407	65	440627	46.185	ng	100
49) Acenaphthylene	14.037	152	2150333	43.446	ng	100
50) Dimethylphthalate	13.772	163	1737874	44.364	ng	100
51) 2,6-Dinitrotoluene	13.901	165	384410	45.449	ng	98
52) Acenaphthene	14.378	154	1241535	43.439	ng	99
53) 3-Nitroaniline	14.248	138	388350	46.099	ng	98
54) 2,4-Dinitrophenol	14.472	184	227709	42.362	ng	97
55) Dibenzofuran	14.719	168	2015201	44.034	ng	99
56) 4-Nitrophenol	14.625	139	221366	43.329	ng	95
57) 2,4-Dinitrotoluene	14.707	165	530898	46.324	ng	96
58) Fluorene	15.378	166	1600764	43.531	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.966	232	465063	44.433	ng	99
60) Diethylphthalate	15.154	149	1688804	43.724	ng	99
61) 4-Chlorophenyl-phenyle...	15.372	204	848350	43.871	ng	100
62) 4-Nitroaniline	15.431	138	354510	45.415	ng	97
63) Azobenzene	15.672	77	1581915	43.941	ng	100
65) 4,6-Dinitro-2-methylph...	15.489	198	327378	45.447	ng	95
66) n-Nitrosodiphenylamine	15.595	169	1419790	44.276	ng	98
67) 4-Bromophenyl-phenylether	16.284	248	548125	44.556	ng	98
68) Hexachlorobenzene	16.413	284	595769	43.170	ng	99
69) Atrazine	16.578	200	506529	43.786	ng	97
70) Pentachlorophenol	16.784	266	338383	45.417	ng	97
71) Phenanthrene	17.166	178	2451044	43.390	ng	99
72) Anthracene	17.260	178	2511643	43.528	ng	100
73) Carbazole	17.548	167	2228899	43.819	ng	99
74) Di-n-butylphthalate	18.119	149	2711027	43.308	ng	100
75) Fluoranthene	19.254	202	2733521	42.900	ng	99
77) Benzidine	19.454	184	1965608	75.957	ng	99
78) Pyrene	19.630	202	2748124	46.135	ng	100
80) Butylbenzylphthalate	20.577	149	1060632	44.744	ng	97
81) Benzo(a)anthracene	21.542	228	2483617	44.962	ng	99
82) 3,3'-Dichlorobenzidine	21.472	252	884806	45.012	ng	99
83) Chrysene	21.613	228	2332904	44.171	ng	100
84) Bis(2-ethylhexyl)phtha...	21.460	149	1432786	43.783	ng	100
85) Di-n-octyl phthalate	22.719	149	2484591	44.465	ng	99
87) Indeno(1,2,3-cd)pyrene	28.677	276	2958147m	45.413	ng	
88) Benzo(b)fluoranthene	23.842	252	2354024	43.710	ng	100
89) Benzo(k)fluoranthene	23.913	252	2399876	43.909	ng	99
90) Benzo(a)pyrene	24.736	252	2317166	44.283	ng	100
91) Dibenzo(a,h)anthracene	28.748	278	2436305	45.881	ng	99
92) Benzo(g,h,i)perylene	29.877	276	2363751	45.433	ng	98

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

ICAL Form

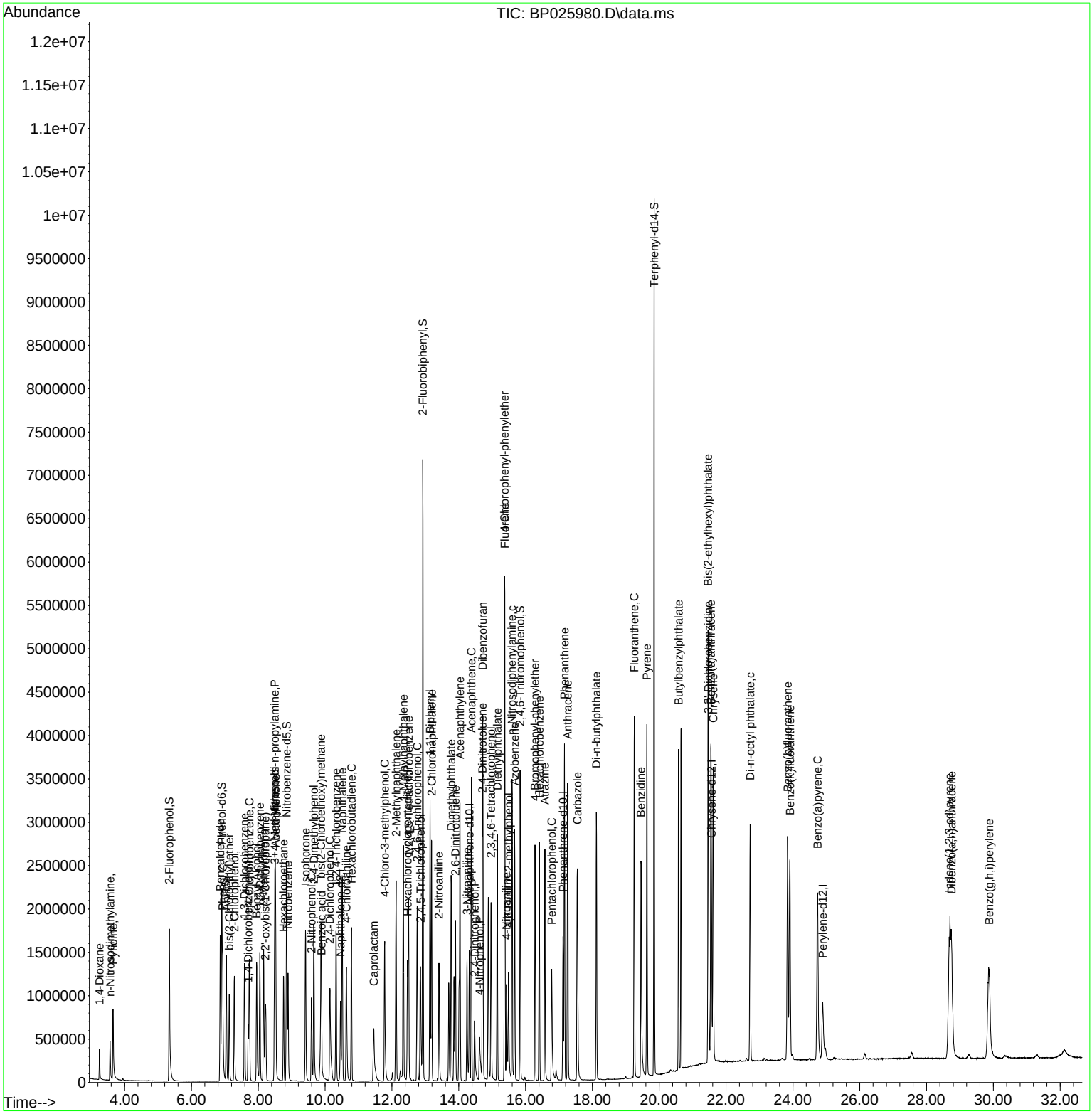
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025980.D
Acq On : 15 Oct 2025 22:00
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 17 Sample Multiplier: 1

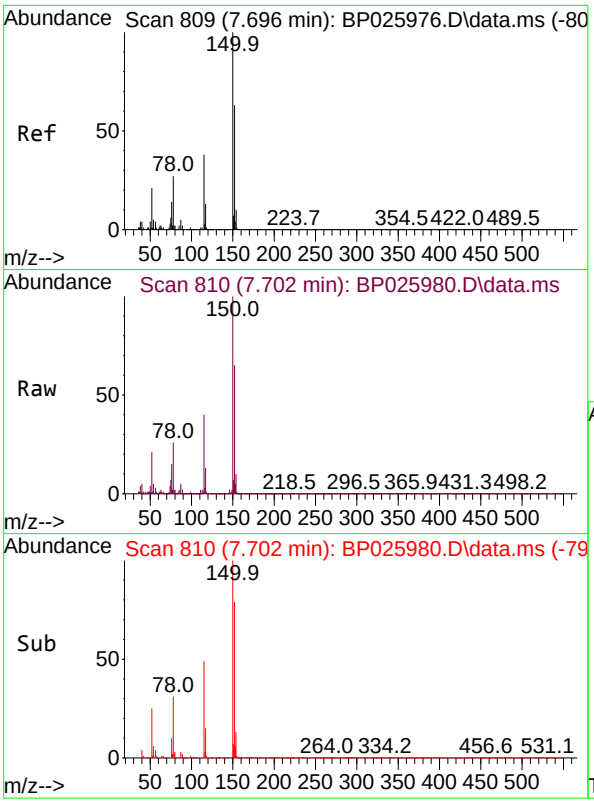
Quant Time: Oct 15 23:57:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

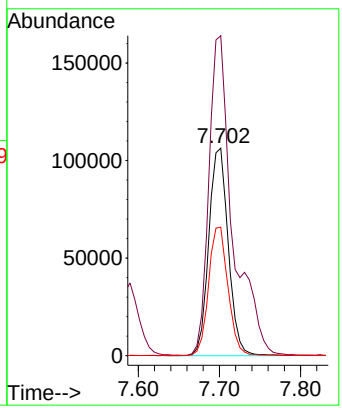




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.702 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:152 Resp: 17729

Ion	Ratio	Lower	Upper
152	100		
150	154.3	127.3	190.9
115	61.9	48.7	73.1



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Manual Integrations
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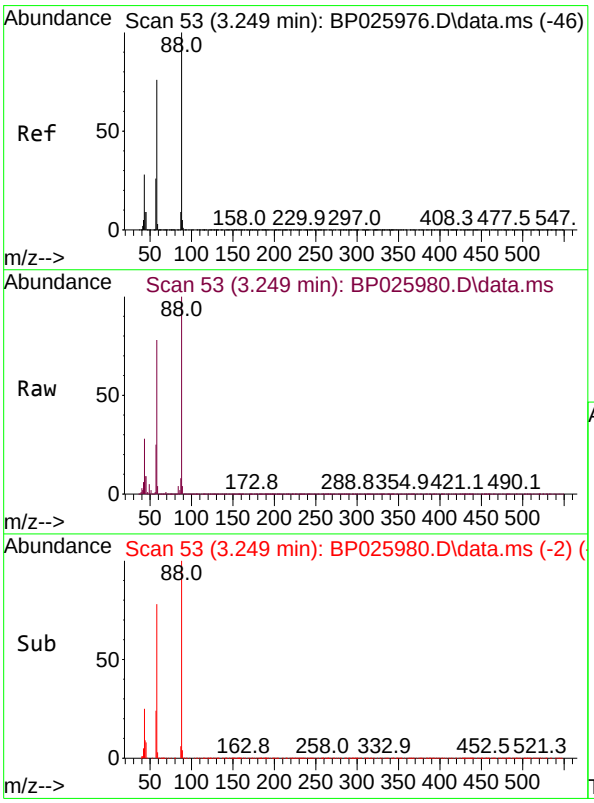
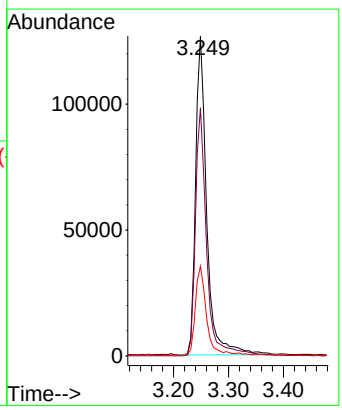
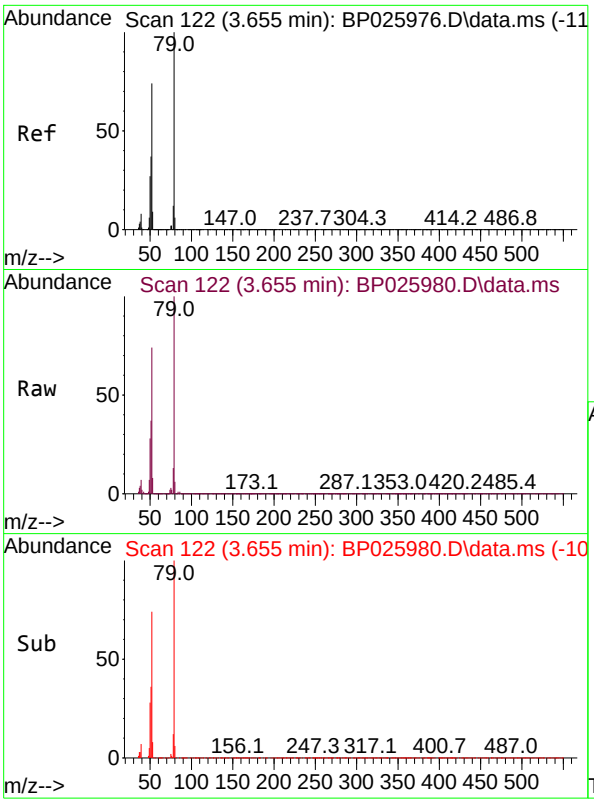


#2
1,4-Dioxane
Concen: 41.622 ng
RT: 3.249 min Scan# 53
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 88 Resp: 178286

Ion	Ratio	Lower	Upper
88	100		
58	78.6	61.9	92.9
43	28.5	22.6	33.8

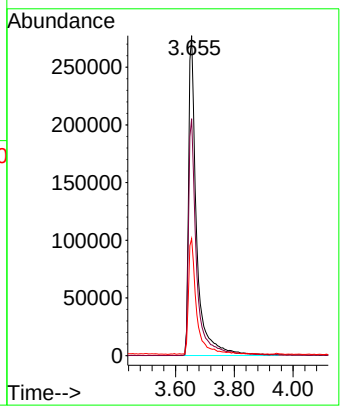




#3
Pyridine
Concen: 44.313 ng
RT: 3.655 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 79 Resp: 52967

Ion	Ratio	Lower	Upper
79	100		
52	74.0	59.0	88.4
51	36.5	29.5	44.3



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Manual Integrations
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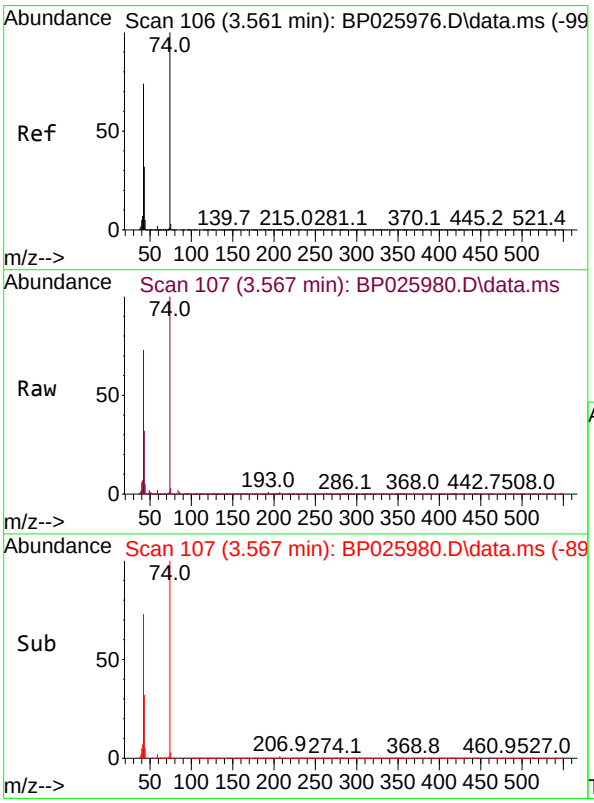
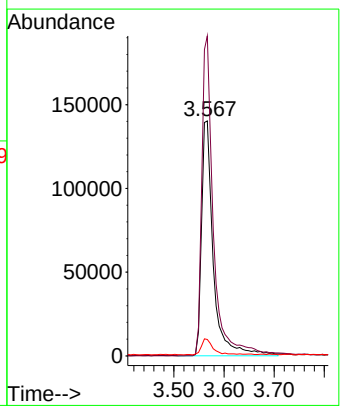
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

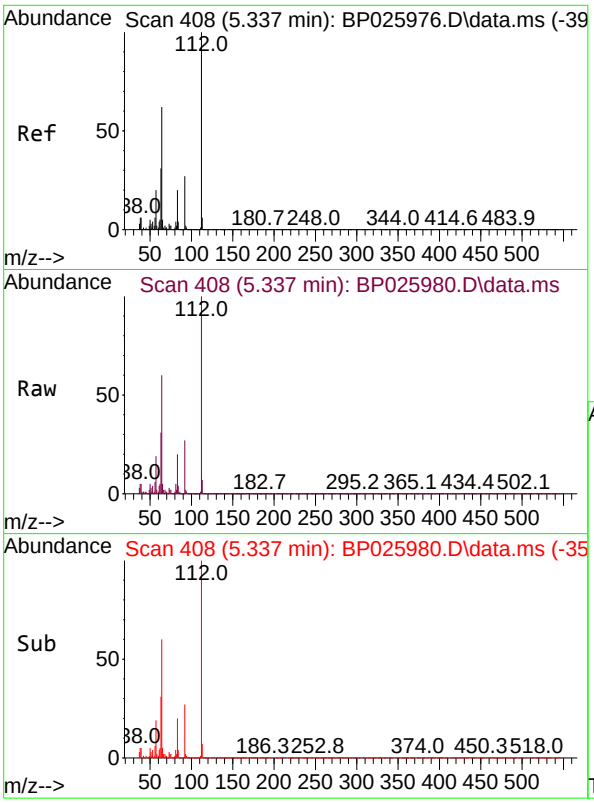


#4
n-Nitrosodimethylamine
Concen: 43.878 ng
RT: 3.567 min Scan# 107
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 42 Resp: 229849

Ion	Ratio	Lower	Upper
42	100		
74	136.2	107.4	161.0
44	7.0	6.0	9.0





#5
2-Fluorophenol
Concen: 89.581 ng
RT: 5.337 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:112 Resp: 96870

Ion	Ratio	Lower	Upper
112	100		
64	60.3	49.9	74.9
63	31.2	24.9	37.3

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Manual Integrations
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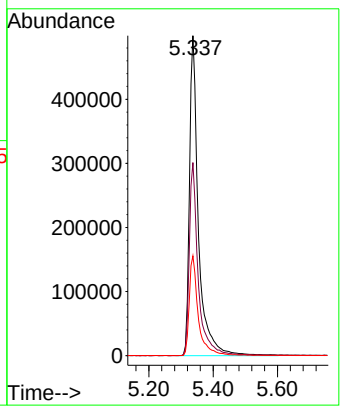
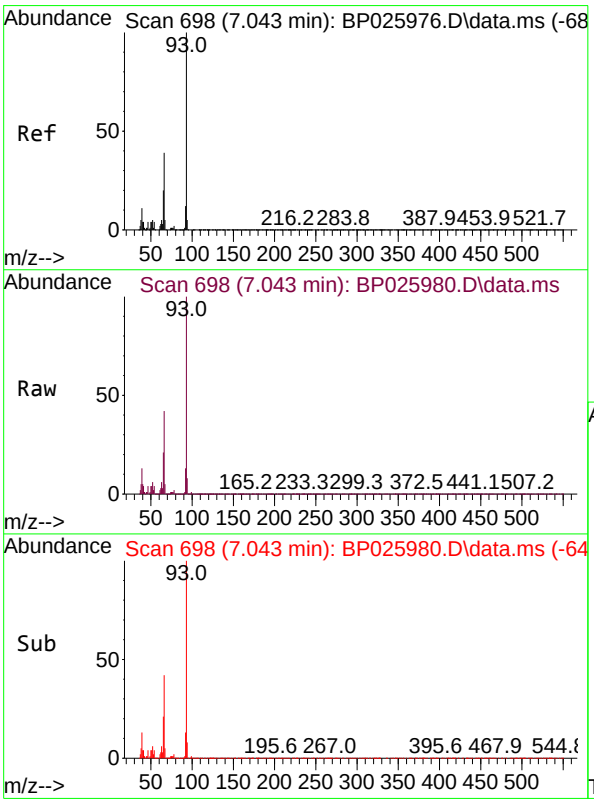
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

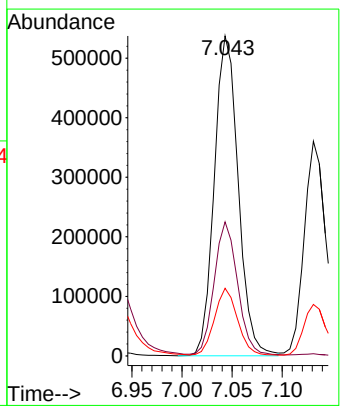


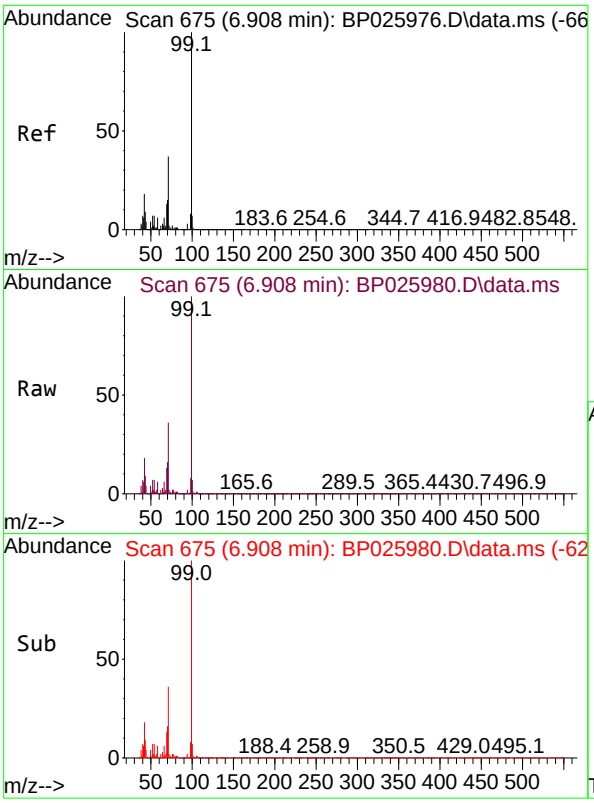


#6
Aniline
Concen: 44.183 ng
RT: 7.043 min Scan# 698
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 93 Resp: 892645

Ion	Ratio	Lower	Upper
93	100		
66	41.9	31.8	47.8
65	21.1	16.3	24.5

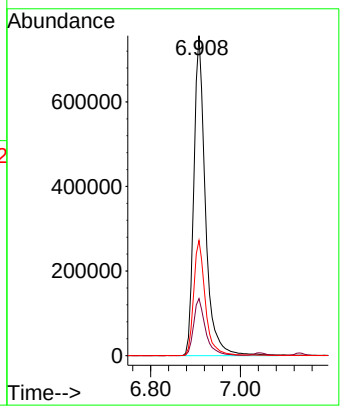




#7
Phenol-d6
Concen: 89.609 ng
RT: 6.908 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 99 Resp: 135229

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.2	21.4
71	36.0	29.4	44.0



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Manual Integrations
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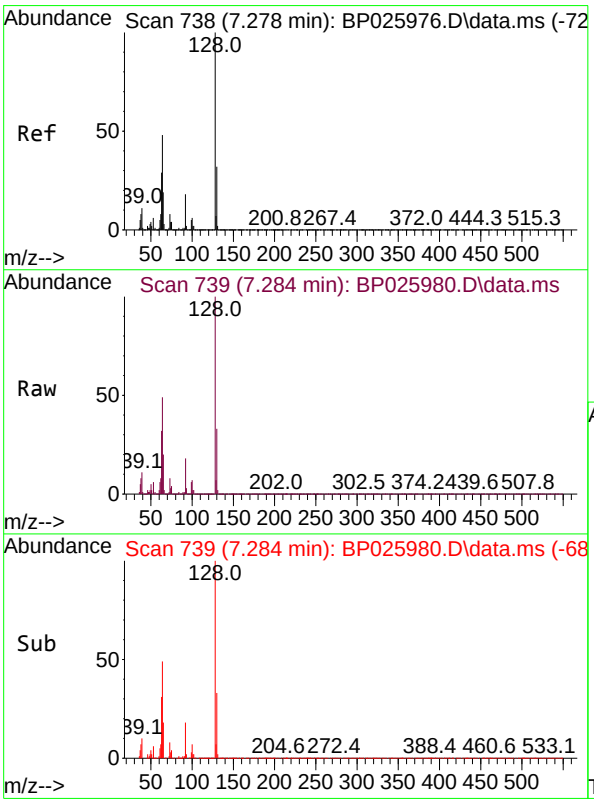
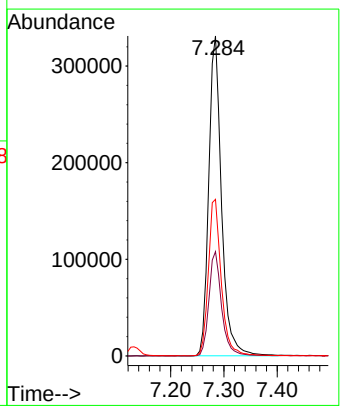
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

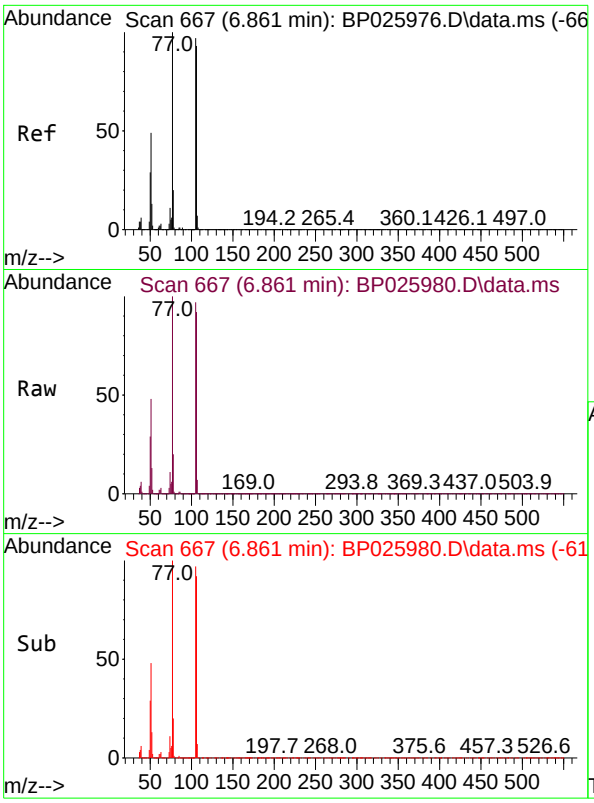


#8
2-Chlorophenol
Concen: 44.097 ng
RT: 7.284 min Scan# 739
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:128 Resp: 552624

Ion	Ratio	Lower	Upper
128	100		
130	32.6	11.8	51.8
64	48.9	28.0	68.0

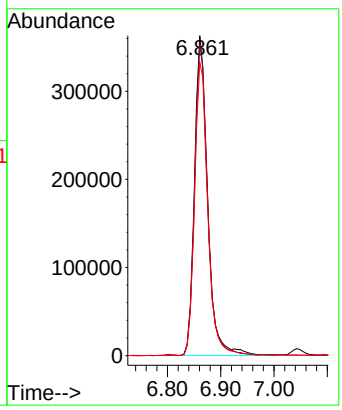




#9
Benzaldehyde
Concen: 77.472 ng
RT: 6.861 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 77 Resp: 623878

Ion	Ratio	Lower	Upper
77	100		
105	97.2	76.6	116.6
106	91.6	73.2	113.2



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Manual Integrations
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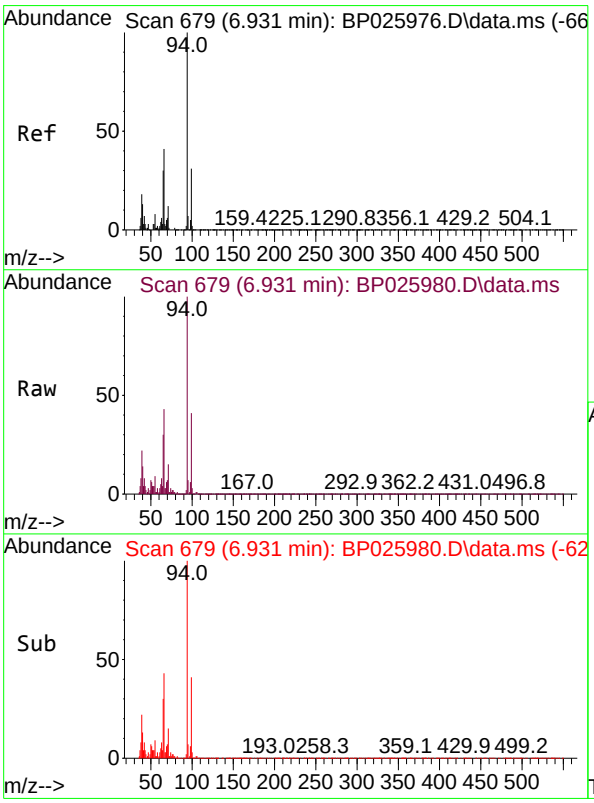
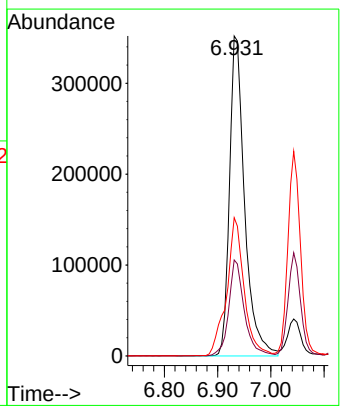
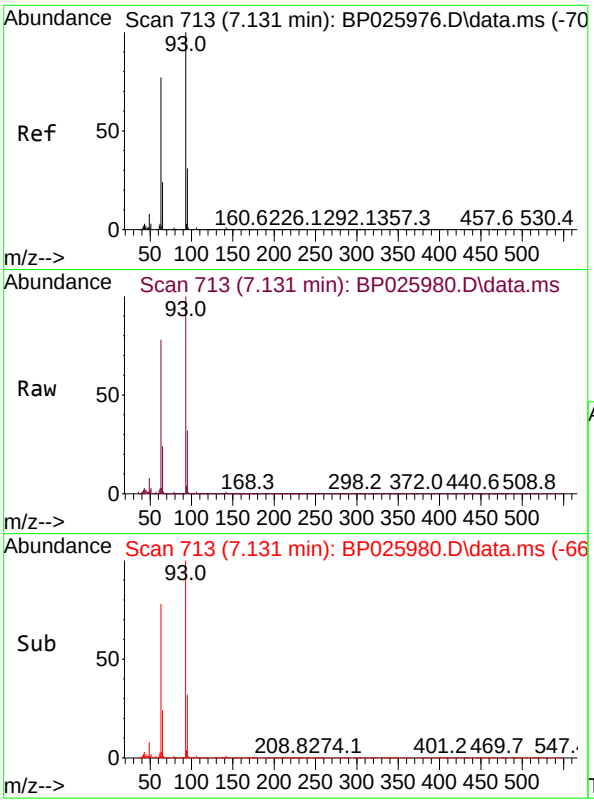


#10
Phenol
Concen: 45.623 ng
RT: 6.931 min Scan# 679
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 94 Resp: 695138

Ion	Ratio	Lower	Upper
94	100		
65	30.0	9.8	49.8
66	43.2	21.4	61.4

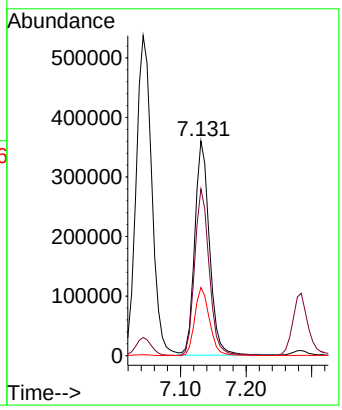




#11
bis(2-Chloroethyl)ether
Concen: 44.964 ng
RT: 7.131 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 93 Resp: 55861

Ion	Ratio	Lower	Upper
93	100		
63	77.6	56.6	96.6
95	31.7	11.3	51.3



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Manual Integrations
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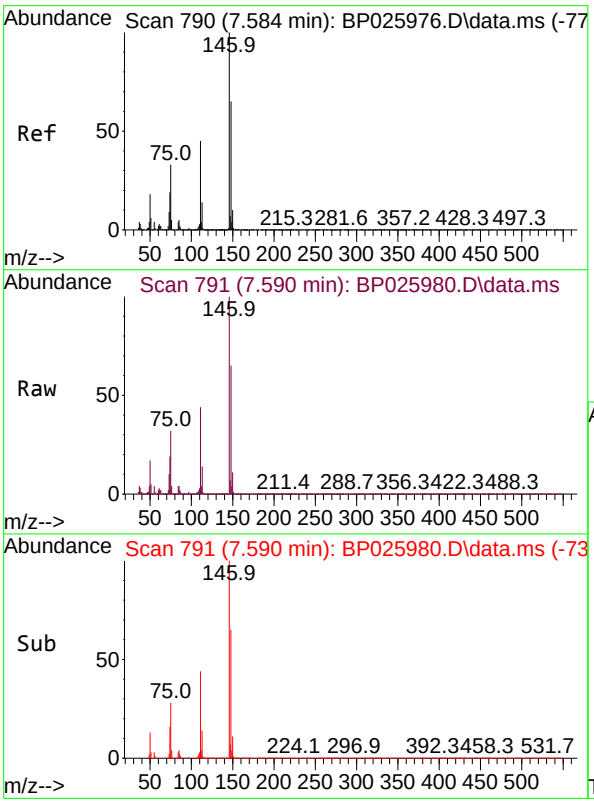
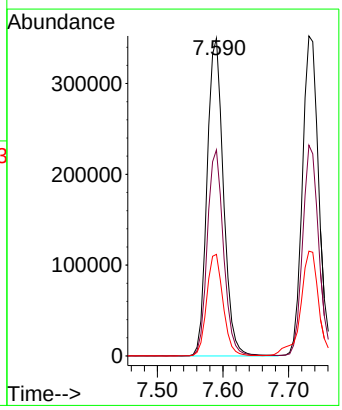
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

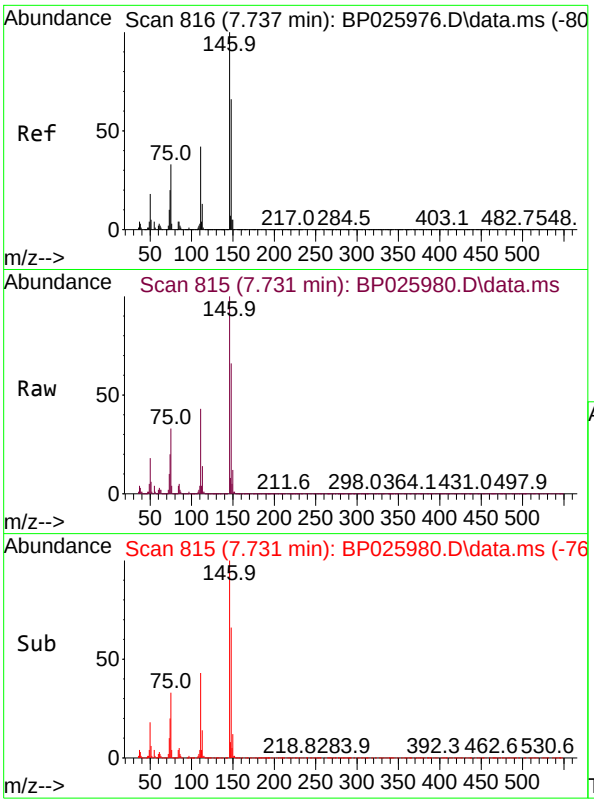


#12
1,3-Dichlorobenzene
Concen: 43.412 ng
RT: 7.590 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:146 Resp: 603165

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.7	77.5
75	32.0	26.1	39.1





#13
1,4-Dichlorobenzene
Concen: 43.408 ng
RT: 7.731 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:146 Resp: 61448

Ion	Ratio	Lower	Upper
146	100		
148	65.8	52.7	79.1
111	42.9	34.0	51.0

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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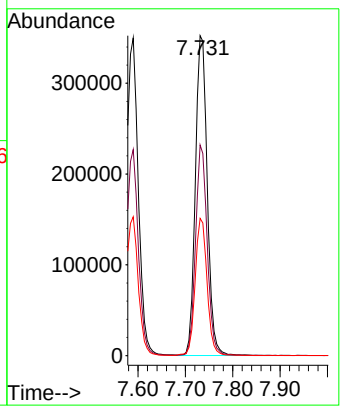
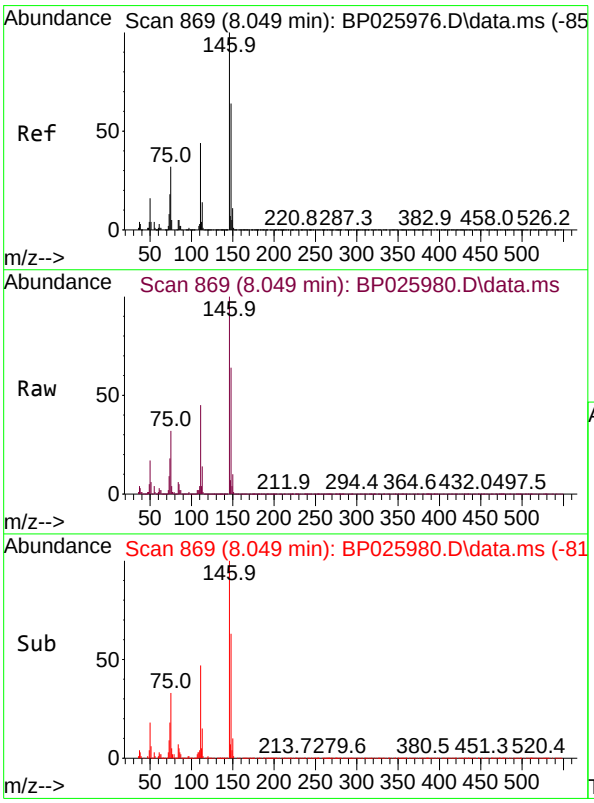
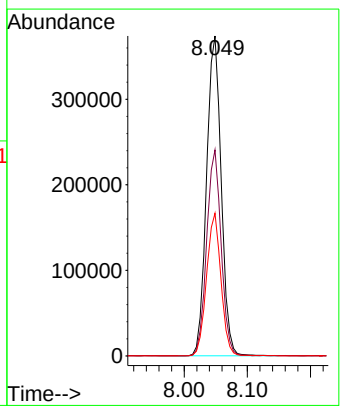


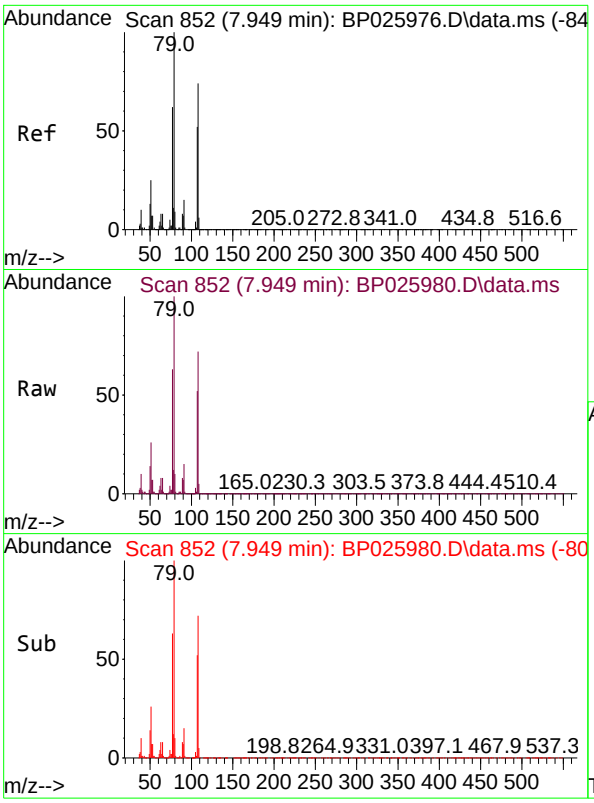


#14
1,2-Dichlorobenzene
Concen: 43.528 ng
RT: 8.049 min Scan# 869
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:146 Resp: 602790

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.6
111	44.6	35.3	52.9

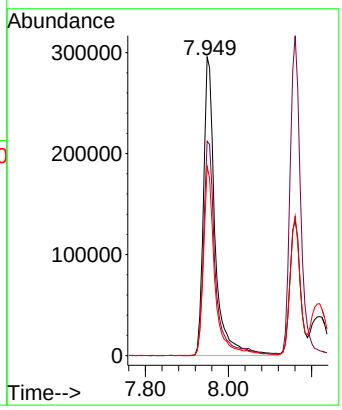




#15
Benzyl Alcohol
Concen: 44.429 ng
RT: 7.949 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 79 Resp: 57067

Ion	Ratio	Lower	Upper
79	100		
108	71.8	59.2	88.8
77	63.3	49.3	73.9



Instrument :
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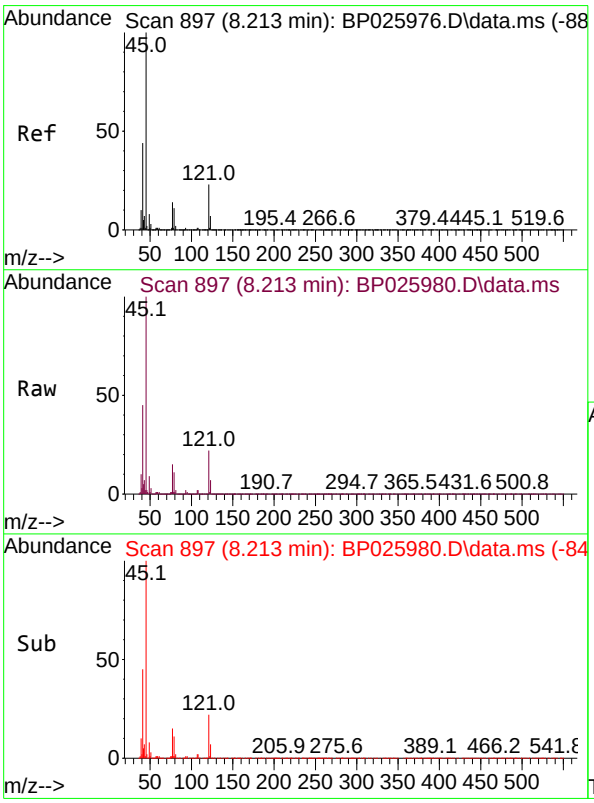
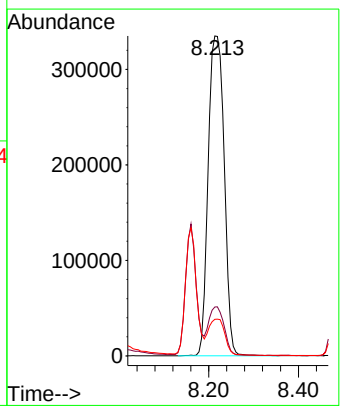
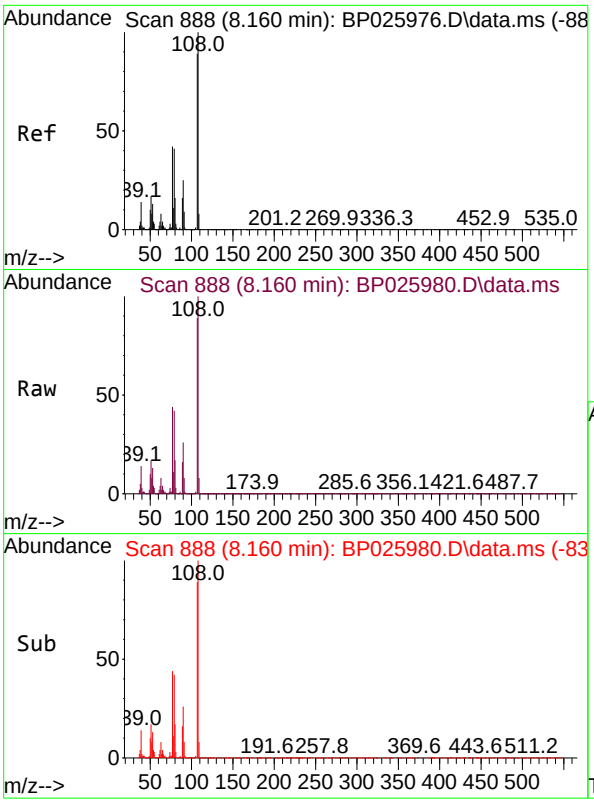


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.341 ng
RT: 8.213 min Scan# 897
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 45 Resp: 829187

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	34.3
79	11.4	0.0	31.5

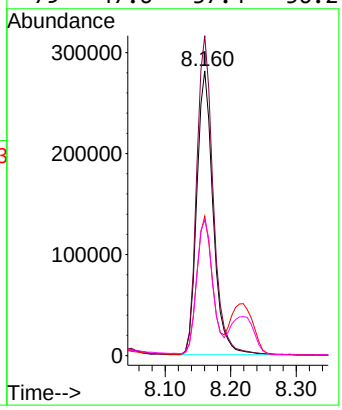




#17
2-Methylphenol
Concen: 44.296 ng
RT: 8.160 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:107 Resp: 48376

Ion	Ratio	Lower	Upper
107	100		
108	112.4	89.5	134.3
77	49.0	38.1	57.1
79	47.6	37.4	56.2



Instrument :
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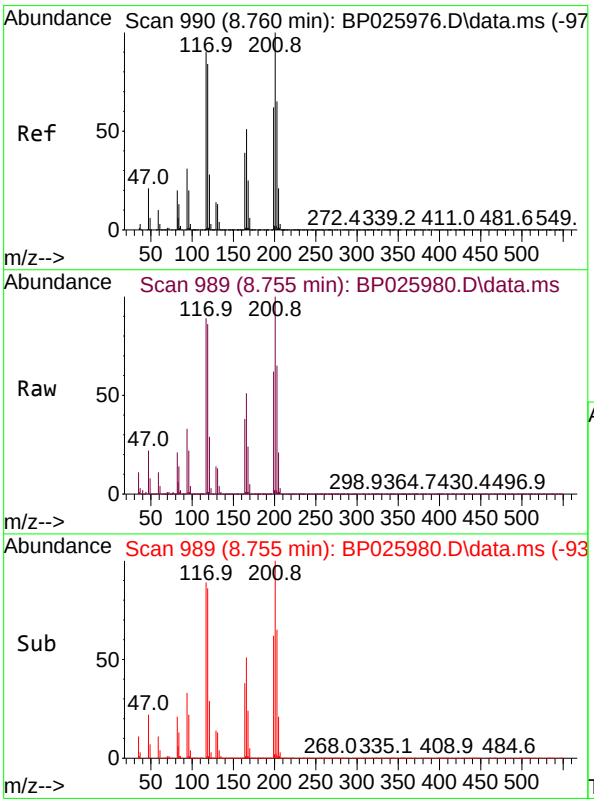
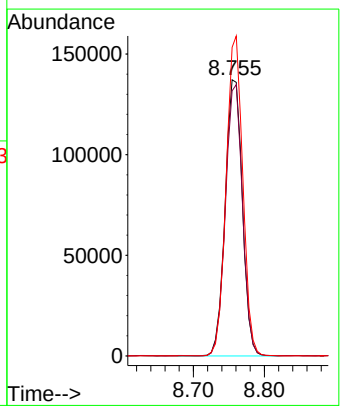
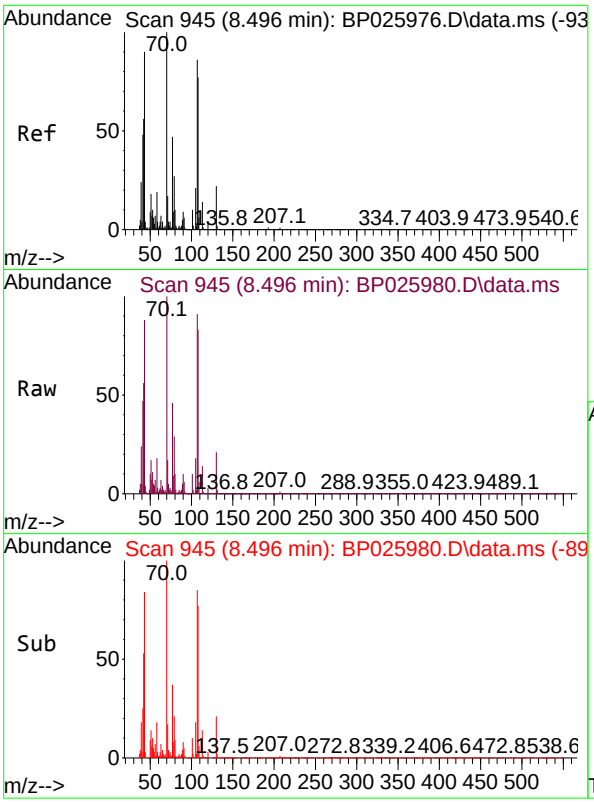


#18
Hexachloroethane
Concen: 42.790 ng
RT: 8.755 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:117 Resp: 231156

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.6	112.0
201	111.8	88.6	133.0

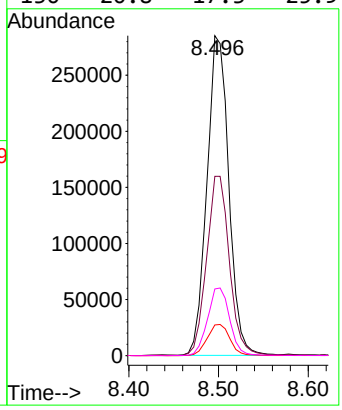




#19
n-Nitroso-di-n-propylamine
Concen: 45.152 ng
RT: 8.496 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 70 Resp: 48574

Ion	Ratio	Lower	Upper
70	100		
42	56.0	45.2	67.8
101	9.6	7.9	11.9
130	20.8	17.3	25.9



Instrument :
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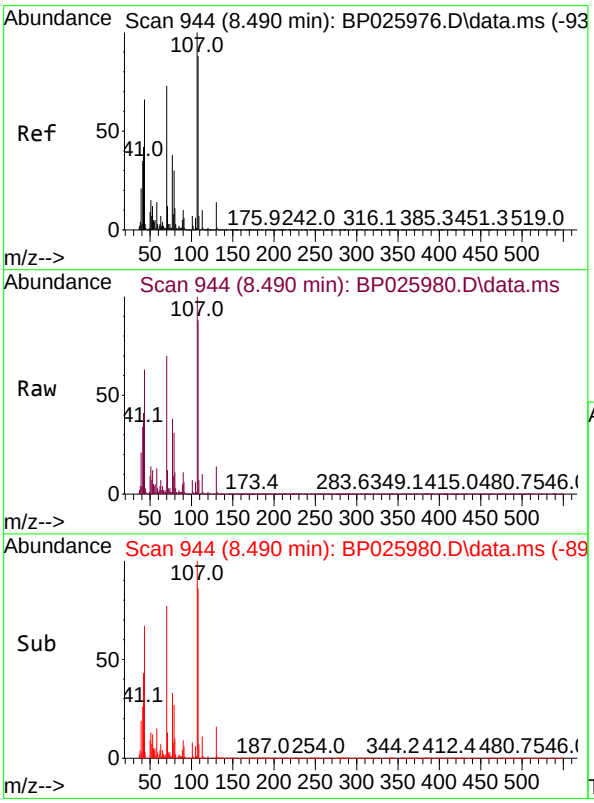
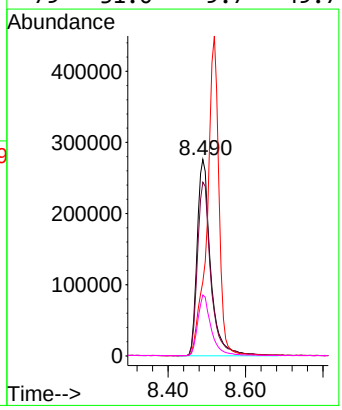
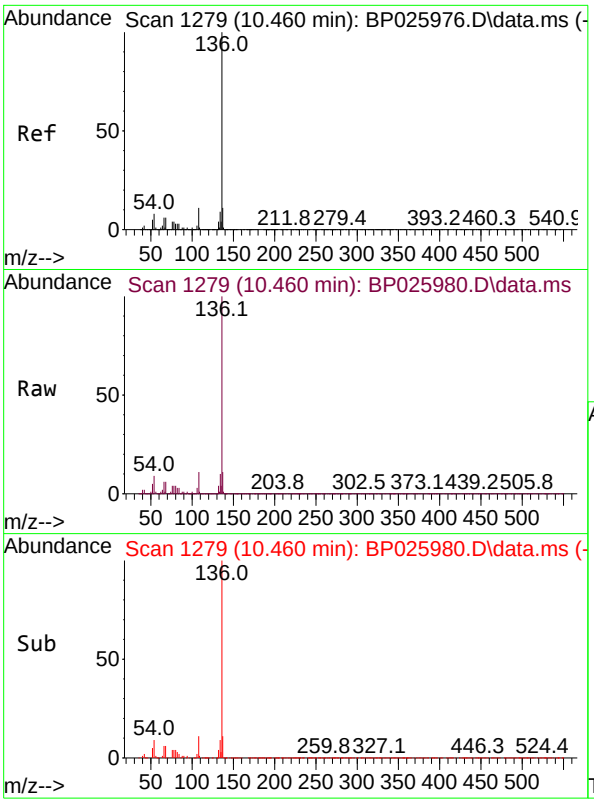


#20
3+4-Methylphenols
Concen: 43.542 ng
RT: 8.490 min Scan# 944
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:107 Resp: 662570

Ion	Ratio	Lower	Upper
107	100		
108	88.4	67.8	107.8
77	37.7	18.5	58.5
79	31.0	9.7	49.7

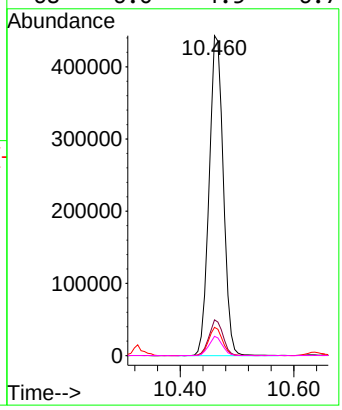




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:136 Resp: 76830

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	8.8	6.8	10.2
68	6.0	4.5	6.7



Instrument :
BNA_P
ClientSampleId :
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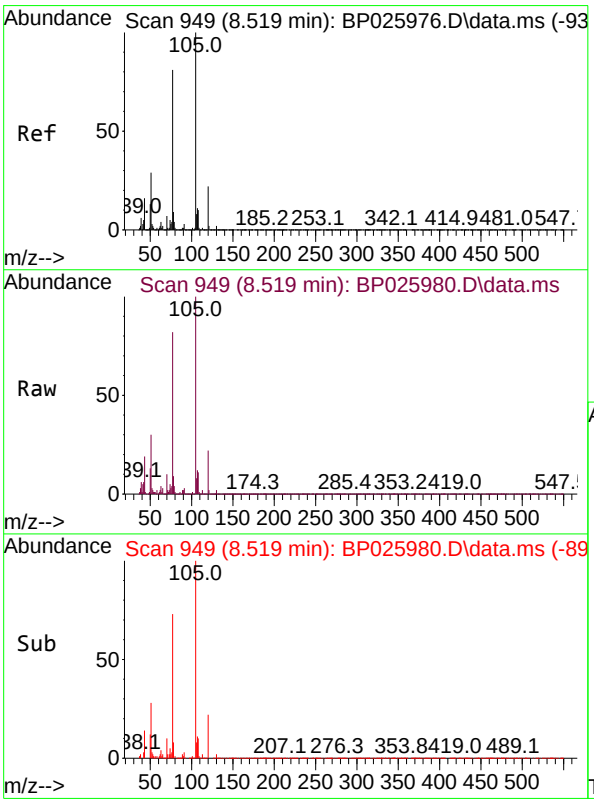
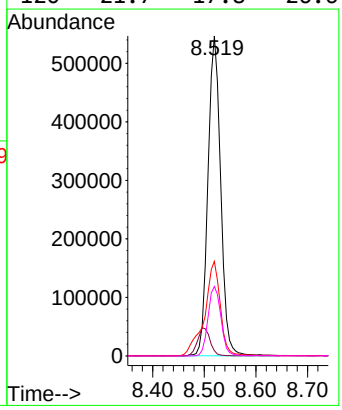
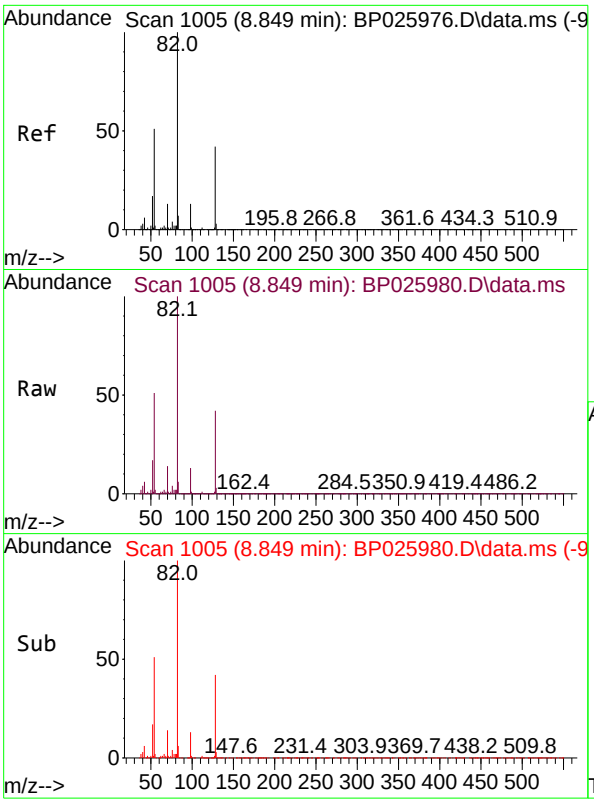


#22
Acetophenone
Concen: 44.850 ng
RT: 8.519 min Scan# 949
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:105 Resp: 936798

Ion	Ratio	Lower	Upper
105	100		
71	1.6	0.9	1.3#
51	29.5	23.0	34.4
120	21.7	17.8	26.6

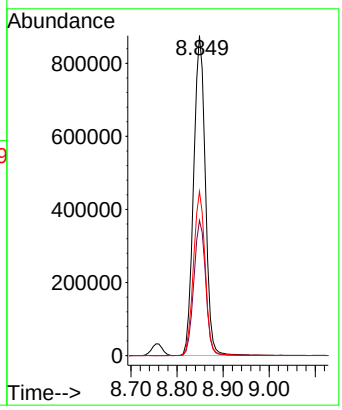




#23
Nitrobenzene-d5
Concen: 90.418 ng
RT: 8.849 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 82 Resp: 154553

Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.6	50.4
54	51.3	40.6	61.0



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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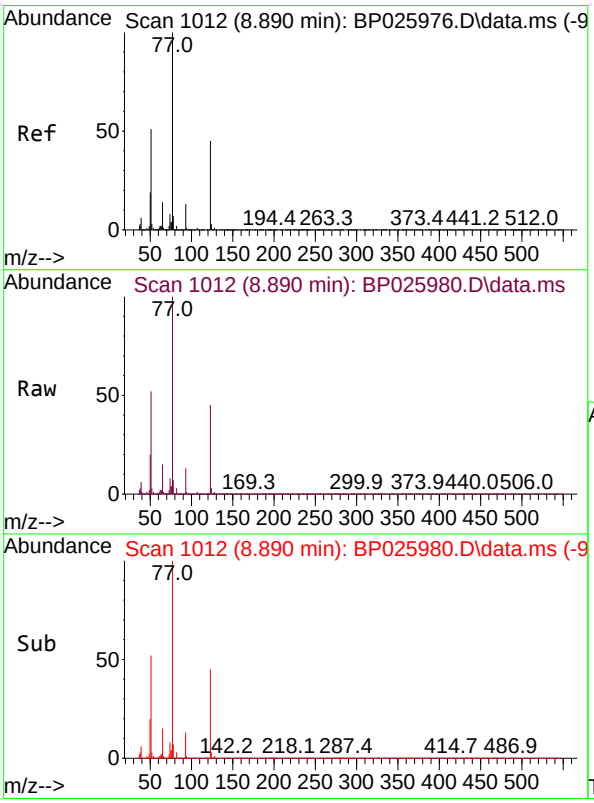
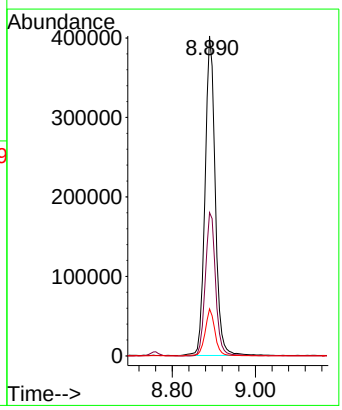
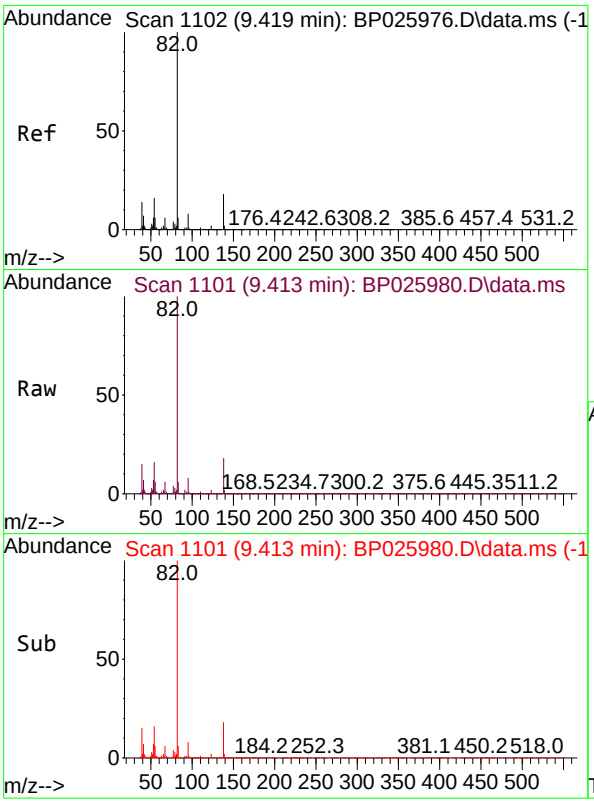


#24
Nitrobenzene
Concen: 45.089 ng
RT: 8.890 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 77 Resp: 685385

Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.6	53.4
65	14.7	11.1	16.7

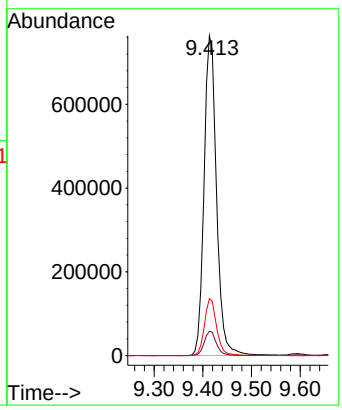




#25
Isophorone
Concen: 44.423 ng
RT: 9.413 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 82 Resp: 136377

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	17.8	14.2	21.2



Instrument :
BNA_P
ClientSampleId :
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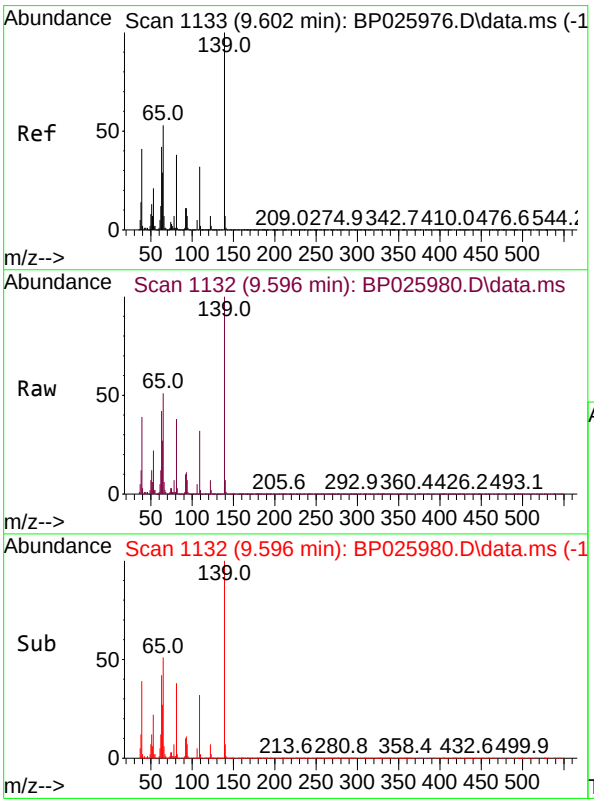
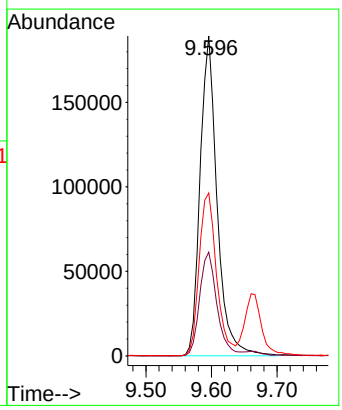
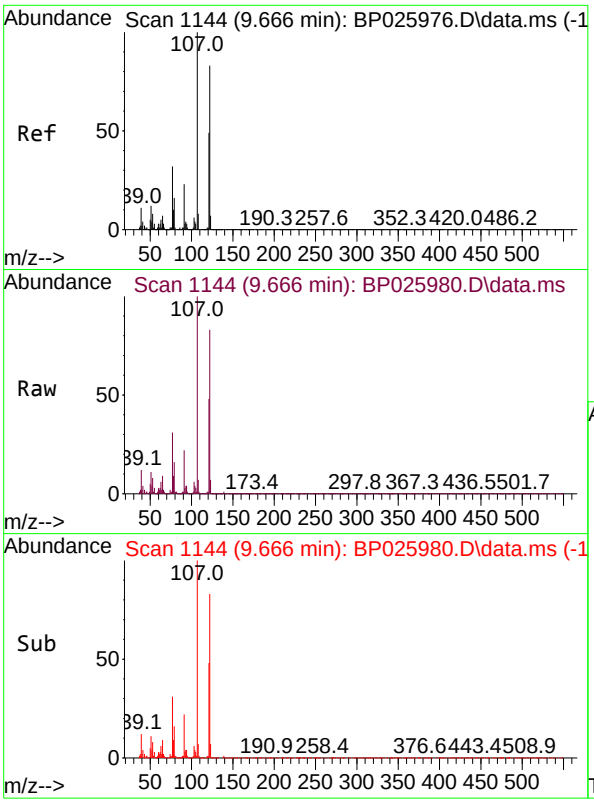


#26
2-Nitrophenol
Concen: 46.170 ng
RT: 9.596 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:139 Resp: 339880

Ion	Ratio	Lower	Upper
139	100		
109	32.5	25.9	38.9
65	50.9	42.4	63.6

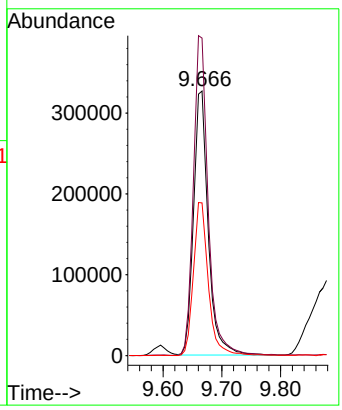




#27
2,4-Dimethylphenol
Concen: 45.389 ng
RT: 9.666 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:122 Resp: 56619

Ion	Ratio	Lower	Upper
122	100		
107	120.0	95.9	143.9
121	57.7	46.6	70.0



Instrument :
BNA_P
ClientSampleId :
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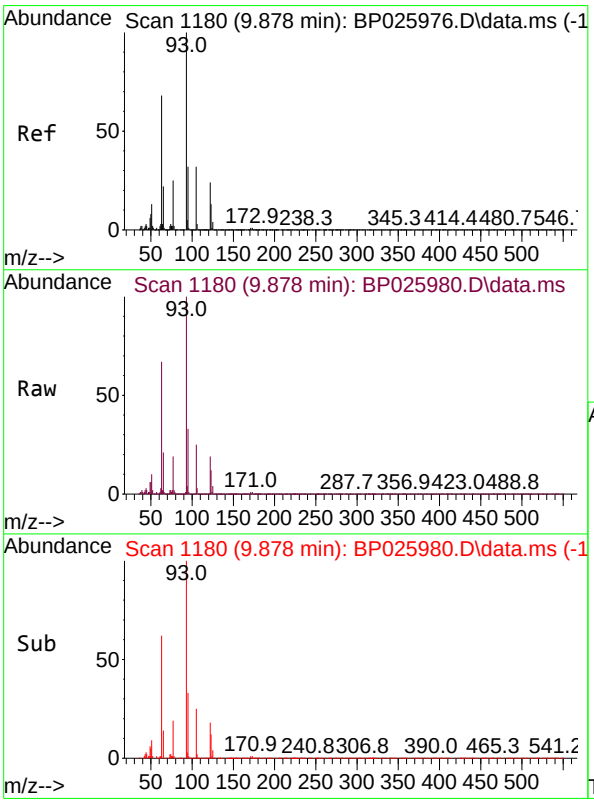
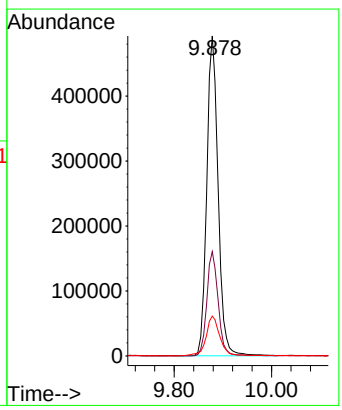
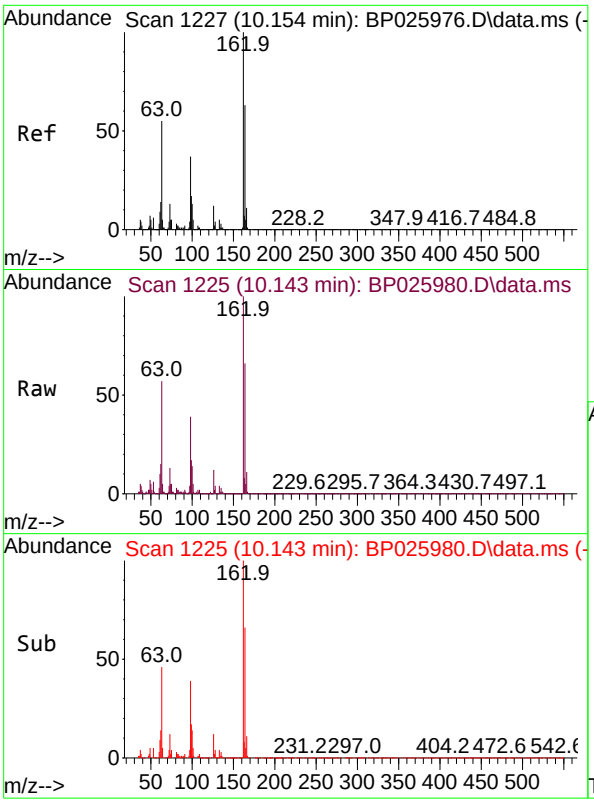


#28
bis(2-Chloroethoxy)methane
Concen: 44.574 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 93 Resp: 800500

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.3	37.9
123	12.4	10.4	15.6





#29
2,4-Dichlorophenol
Concen: 45.494 ng
RT: 10.143 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:162 Resp: 56547

Ion	Ratio	Lower	Upper
162	100		
164	65.6	43.4	83.4
98	39.1	17.3	57.3

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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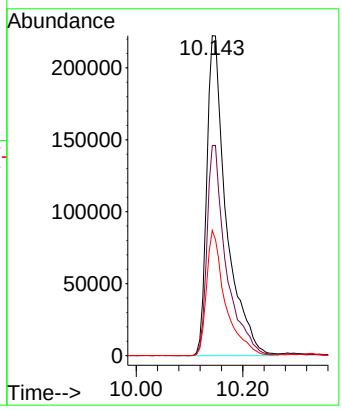
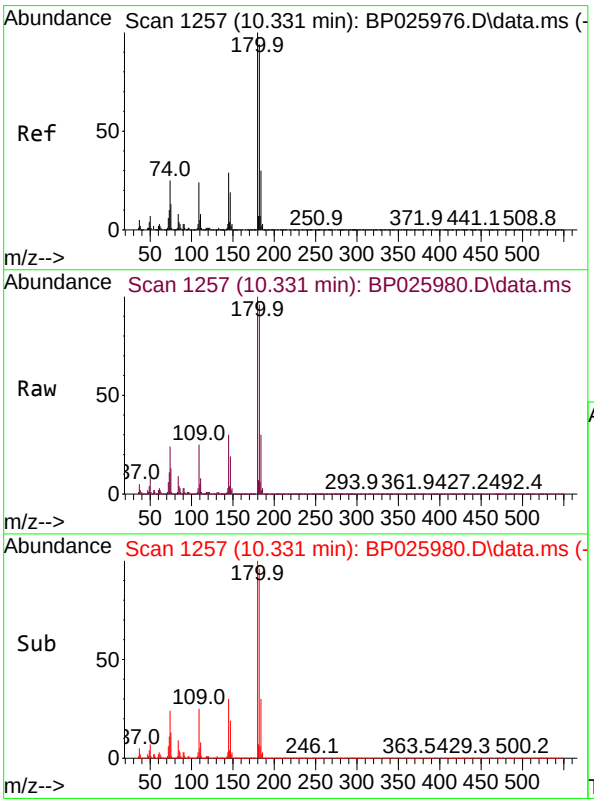
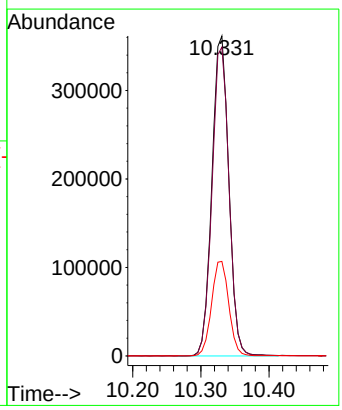


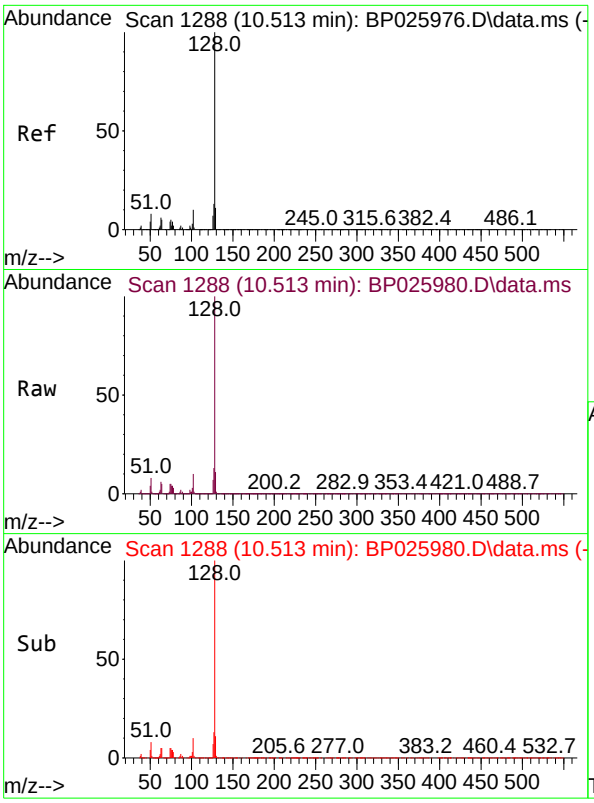


#30
1,2,4-Trichlorobenzene
Concen: 44.019 ng
RT: 10.331 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:180 Resp: 619429

Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.3	112.9
145	29.5	23.4	35.2

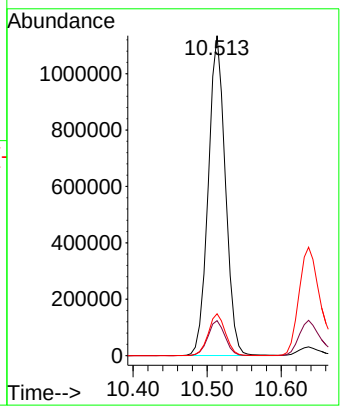




#31
Naphthalene
Concen: 43.845 ng
RT: 10.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:128 Resp: 1817199

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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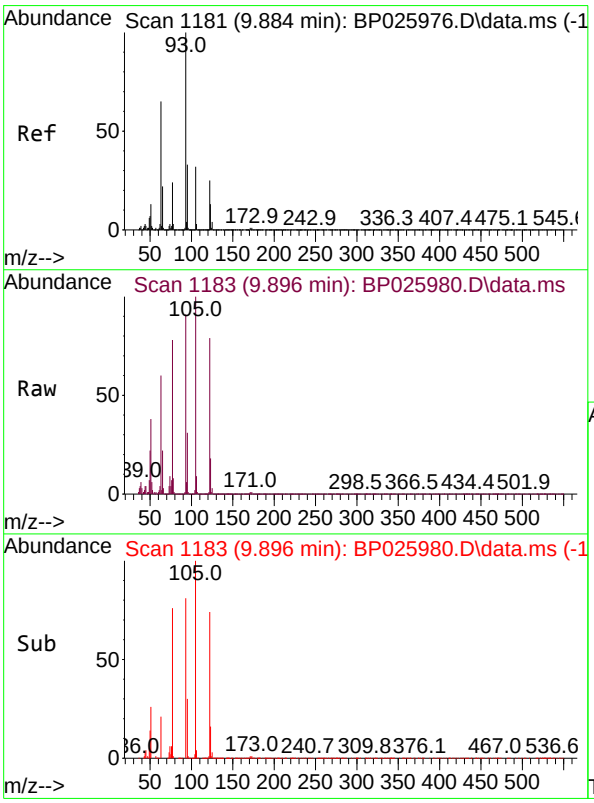
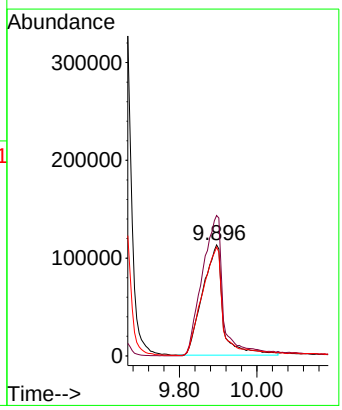
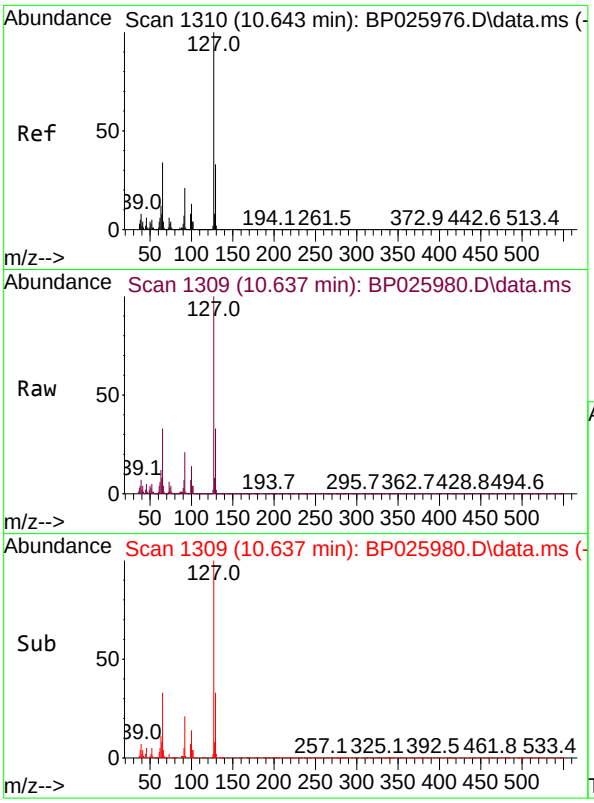


#32
Benzoic acid
Concen: 46.128 ng
RT: 9.896 min Scan# 1183
Delta R.T. 0.012 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:122 Resp: 416971

Ion	Ratio	Lower	Upper
122	100		
105	126.6	107.4	147.4
77	98.1	77.0	117.0

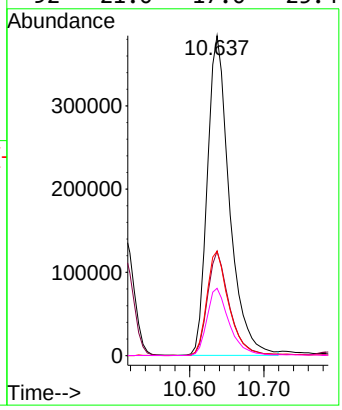




#33
4-Chloroaniline
Concen: 45.149 ng
RT: 10.637 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:127 Resp: 79466

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4
65	32.7	27.2	40.8
92	21.0	17.0	25.4



Instrument :
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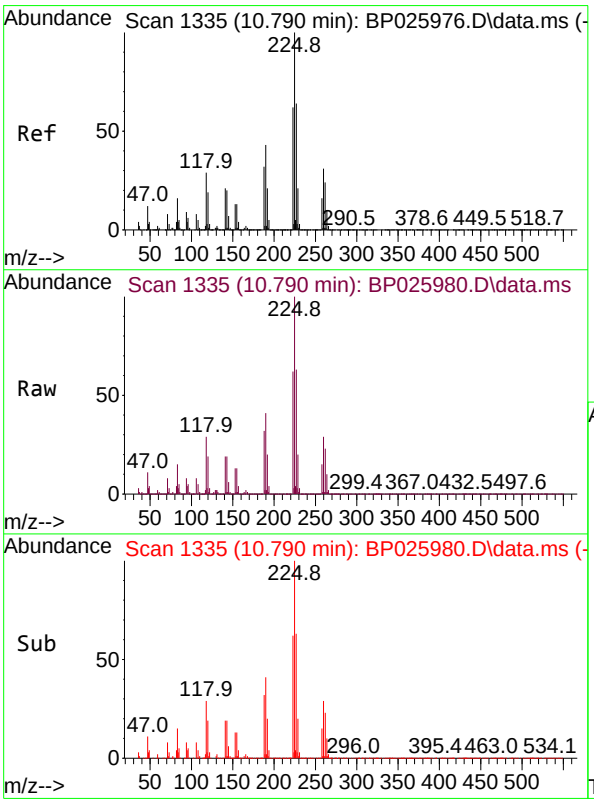
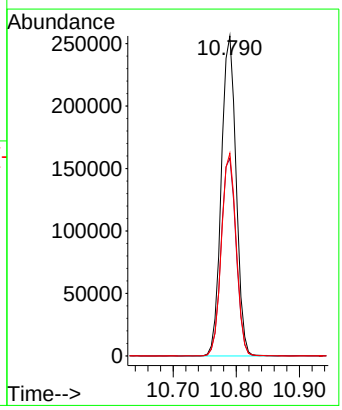
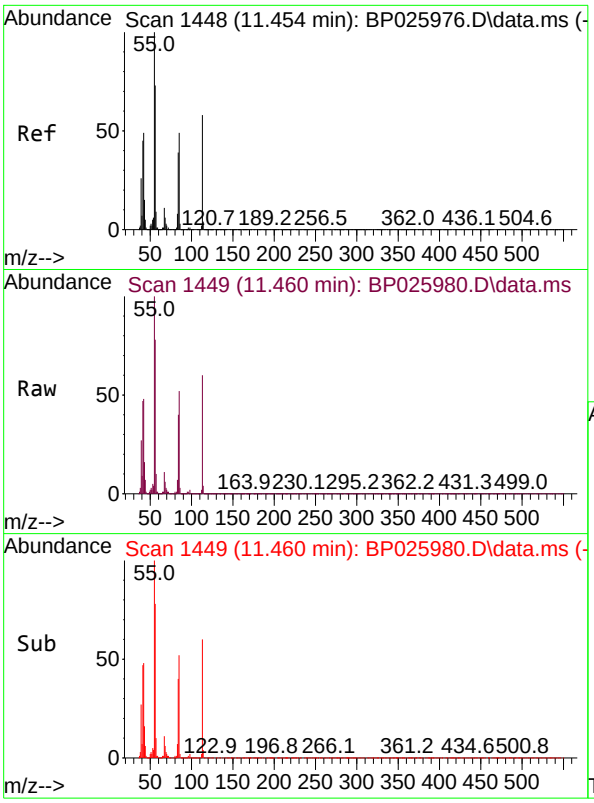


#34
Hexachlorobutadiene
Concen: 44.545 ng
RT: 10.790 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:225 Resp: 414838

Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.8	74.8
227	63.3	51.4	77.2

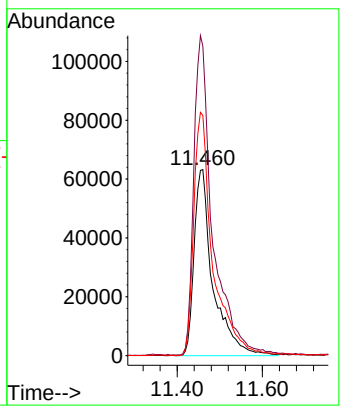




#35
Caprolactam
Concen: 43.975 ng
RT: 11.460 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:113 Resp: 19451

Ion	Ratio	Lower	Upper
113	100		
55	166.5	151.8	191.8
56	129.2	104.6	144.6



Instrument :
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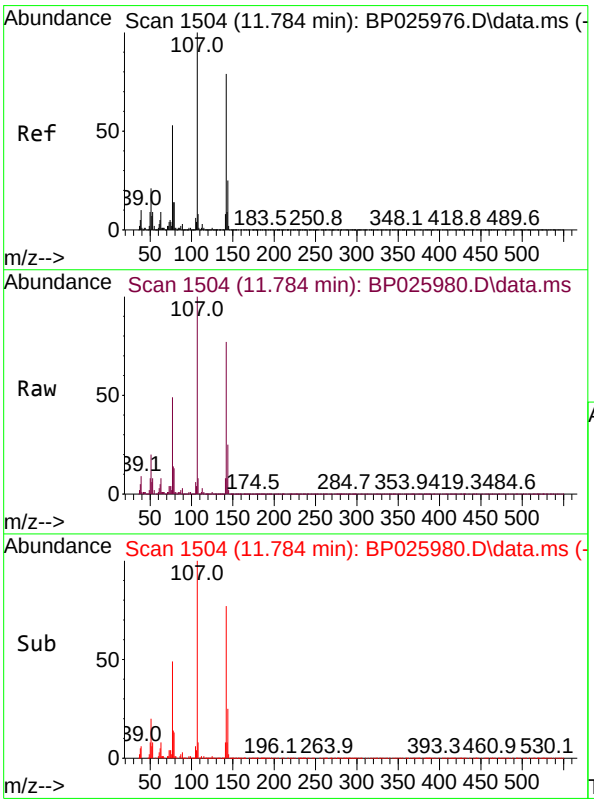
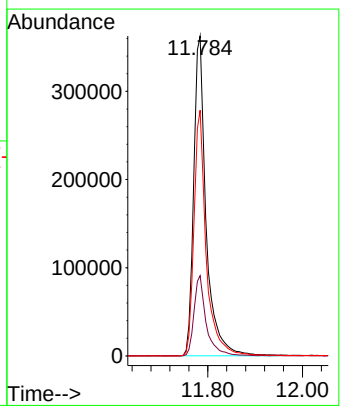
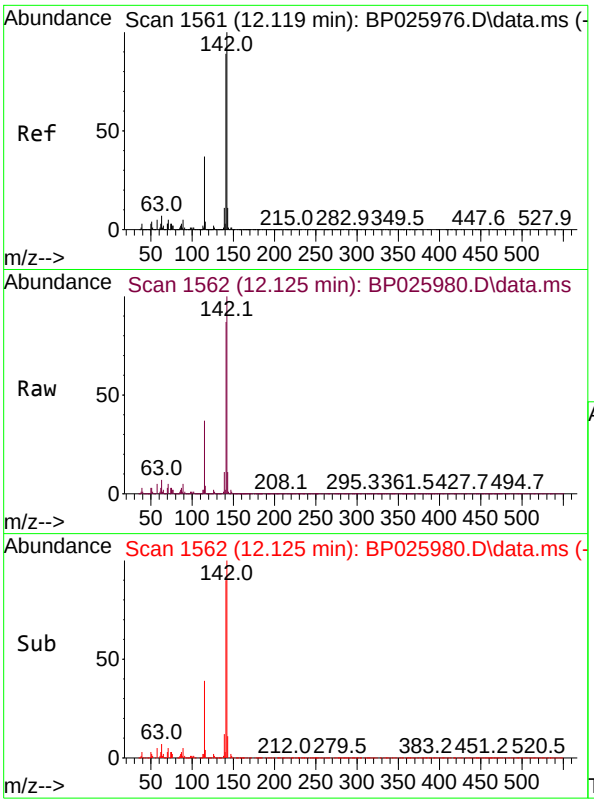


#36
4-Chloro-3-methylphenol
Concen: 45.334 ng
RT: 11.784 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:107 Resp: 661555

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.3	30.5
142	76.8	63.0	94.4

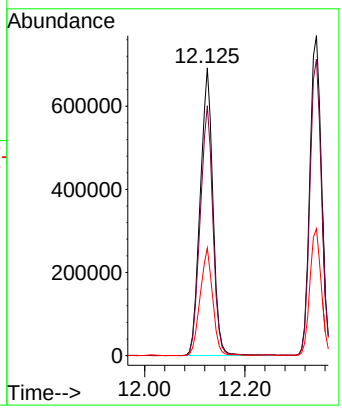




#37
2-Methylnaphthalene
Concen: 44.810 ng
RT: 12.125 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:142 Resp: 121596

Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.9	106.3
115	37.4	29.9	44.9



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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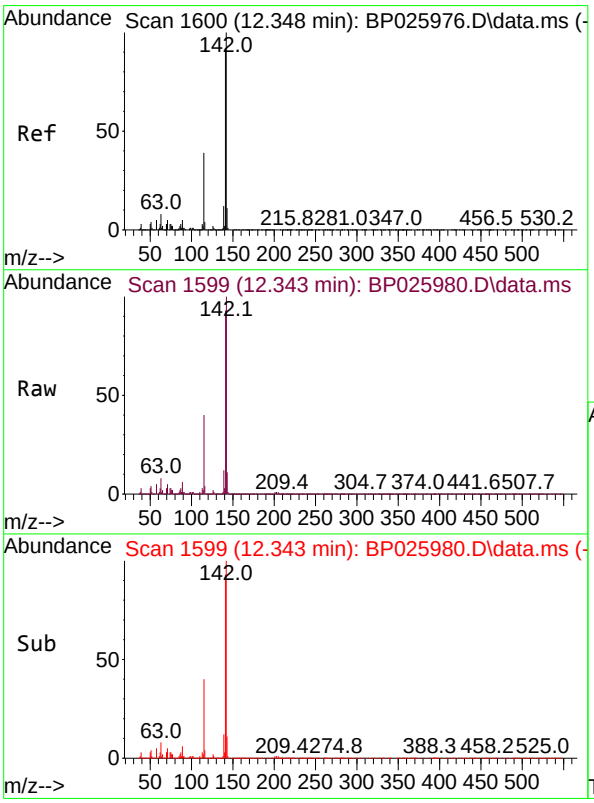
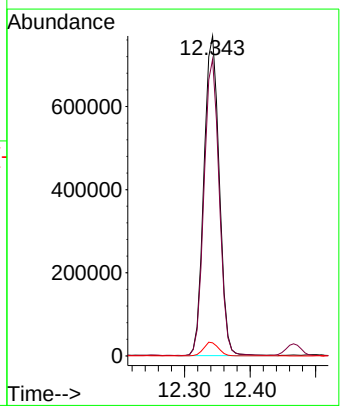
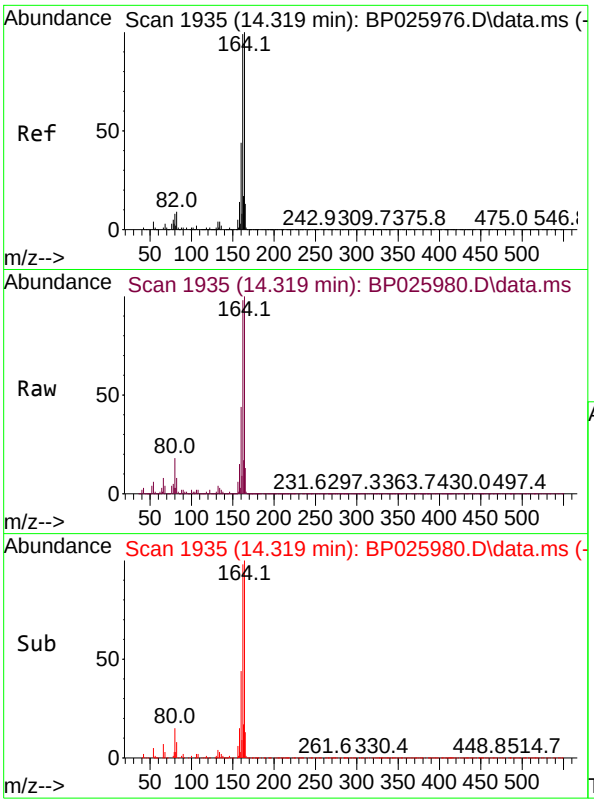


#38
1-Methylnaphthalene
Concen: 43.463 ng
RT: 12.343 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:142 Resp: 1244013

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.7	110.5
116	4.1	3.2	4.8

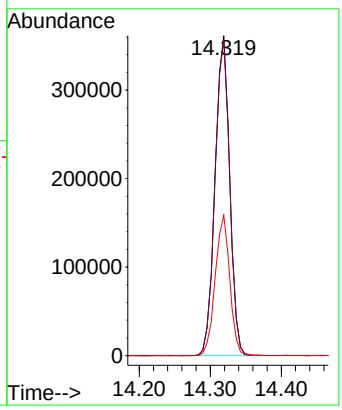




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:164 Resp: 51826

Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.3	118.9
160	43.8	35.4	53.0



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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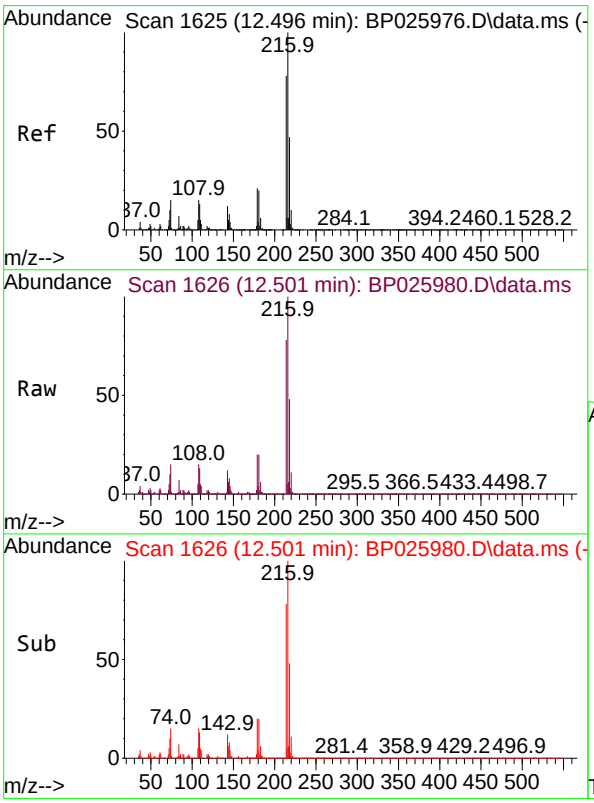
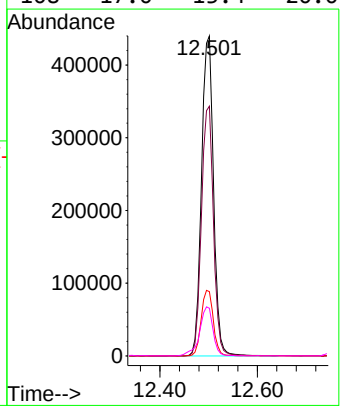
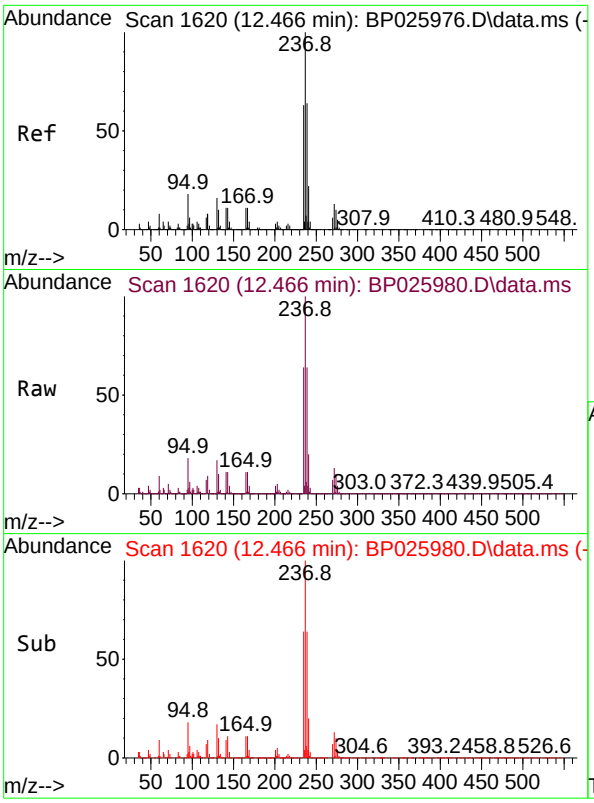


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.570 ng
RT: 12.501 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:216 Resp: 752174

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	94.0
179	20.8	16.5	24.7
108	17.0	13.4	20.0

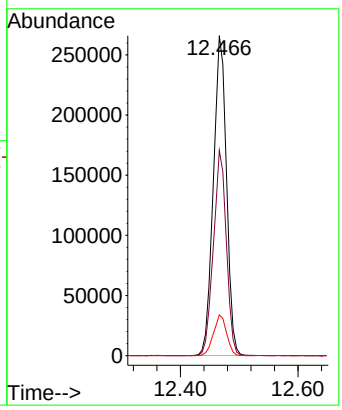




#41
Hexachlorocyclopentadiene
Concen: 44.056 ng
RT: 12.466 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:237 Resp: 41244

Ion	Ratio	Lower	Upper
237	100		
235	64.1	43.1	83.1
272	12.7	0.0	33.4



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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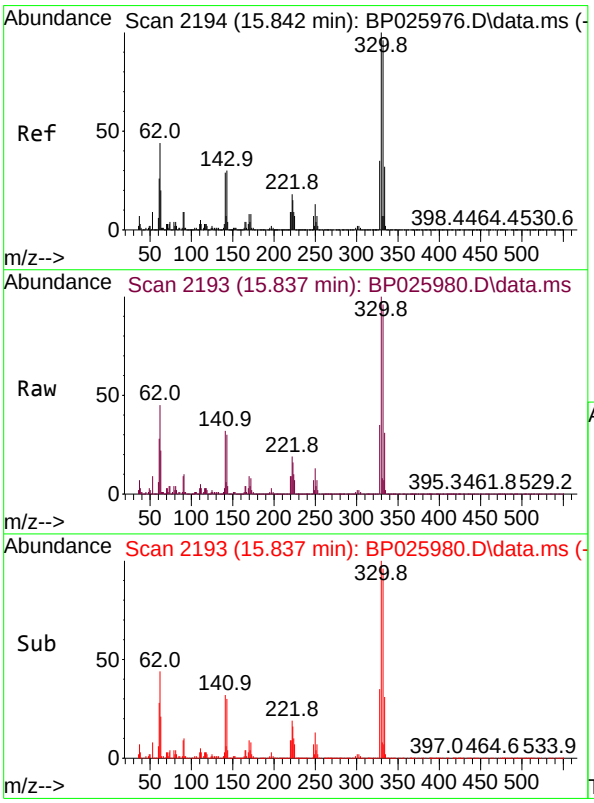
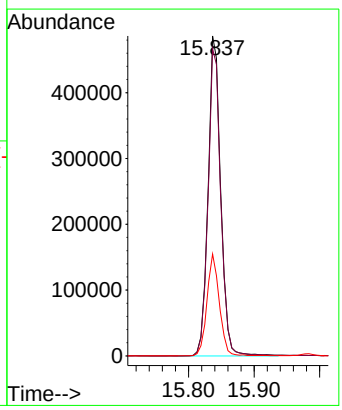
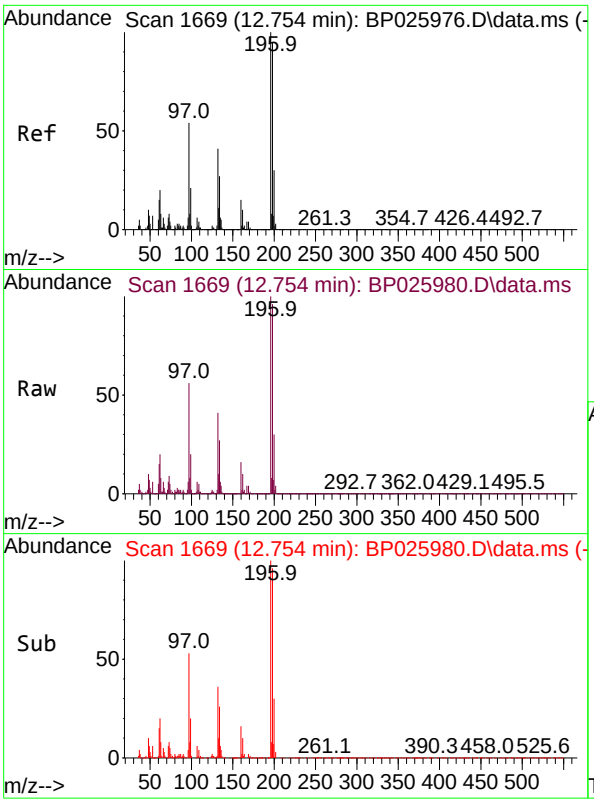


#42
2,4,6-Tribromophenol
Concen: 92.839 ng
RT: 15.837 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:330 Resp: 647744

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.8	116.8
141	31.4	25.6	38.4

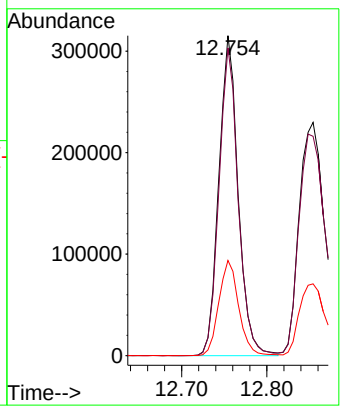




#43
2,4,6-Trichlorophenol
Concen: 46.271 ng
RT: 12.754 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:196 Resp: 49565

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.3	114.5
200	29.7	23.9	35.9



Instrument :
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ClientSampleId :
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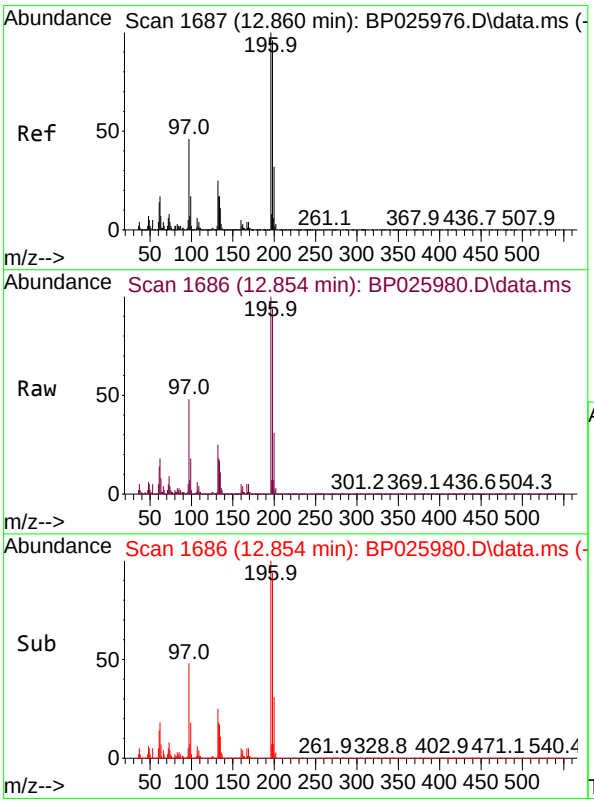
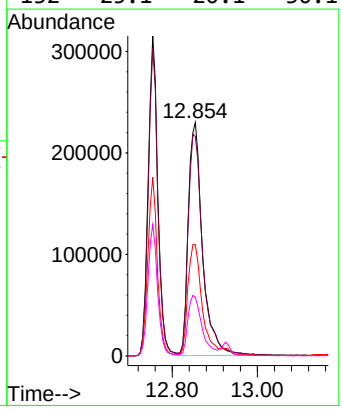
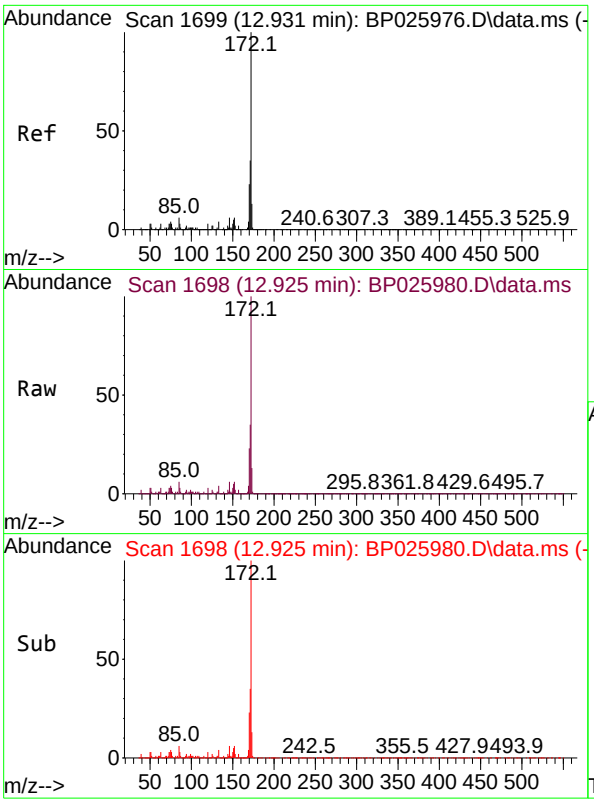


#44
2,4,5-Trichlorophenol
Concen: 45.855 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:196 Resp: 534881

Ion	Ratio	Lower	Upper
196	100		
198	94.0	77.0	115.4
97	47.7	36.6	54.8
132	25.1	20.1	30.1

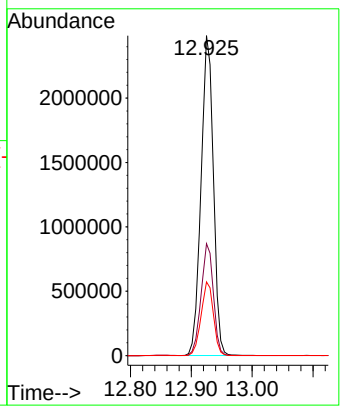




#45
2-Fluorobiphenyl
Concen: 86.437 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:172 Resp: 349509

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.8
170	23.0	18.5	27.7



Instrument :
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ClientSampleId :
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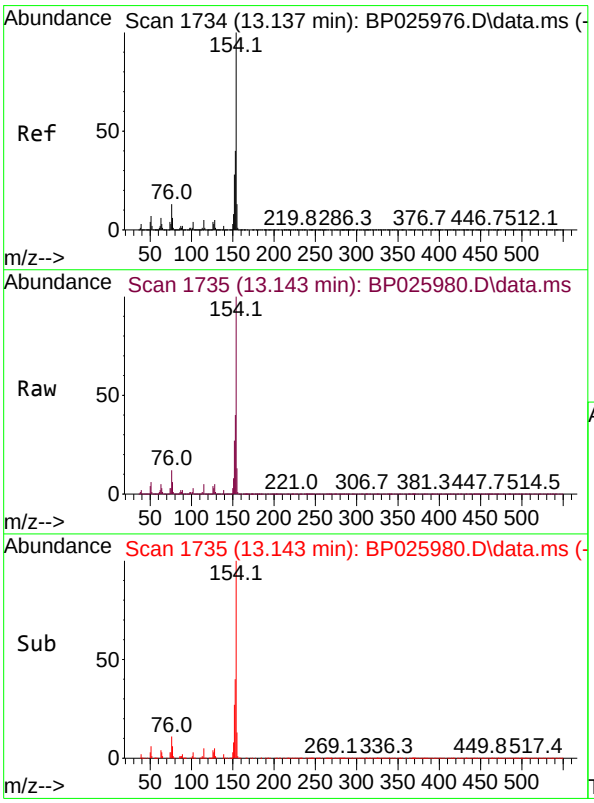
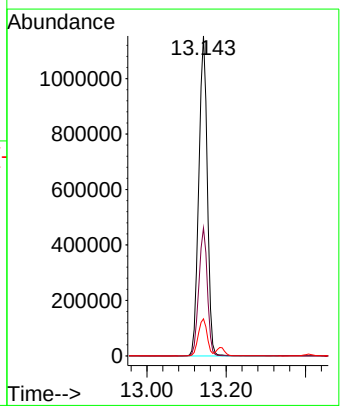
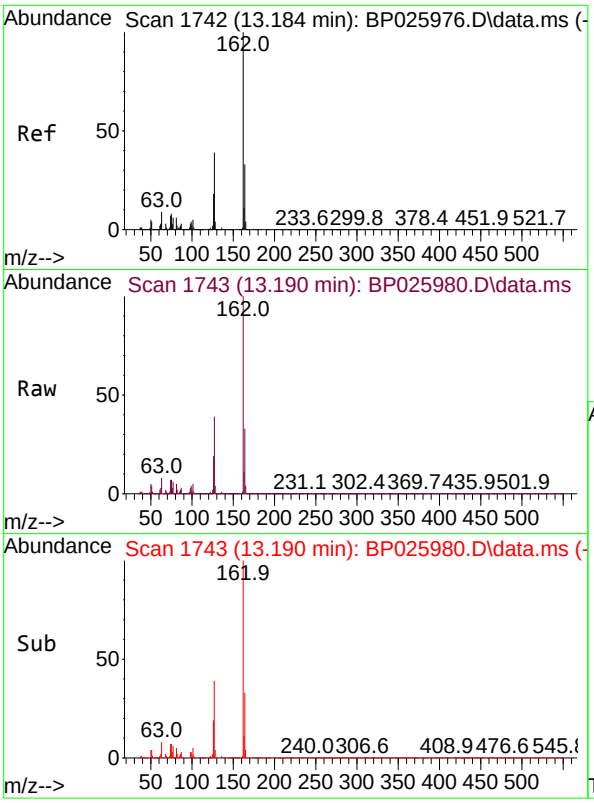


#46
1,1'-Biphenyl
Concen: 43.646 ng
RT: 13.143 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:154 Resp: 1708702

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.1	60.1
76	11.6	0.0	33.1

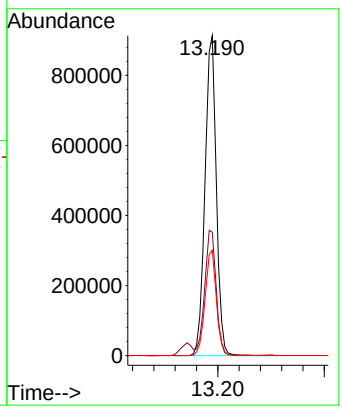




#47
2-Chloronaphthalene
Concen: 44.001 ng
RT: 13.190 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:162 Resp: 134689

Ion	Ratio	Lower	Upper
162	100		
127	38.6	31.4	47.0
164	32.9	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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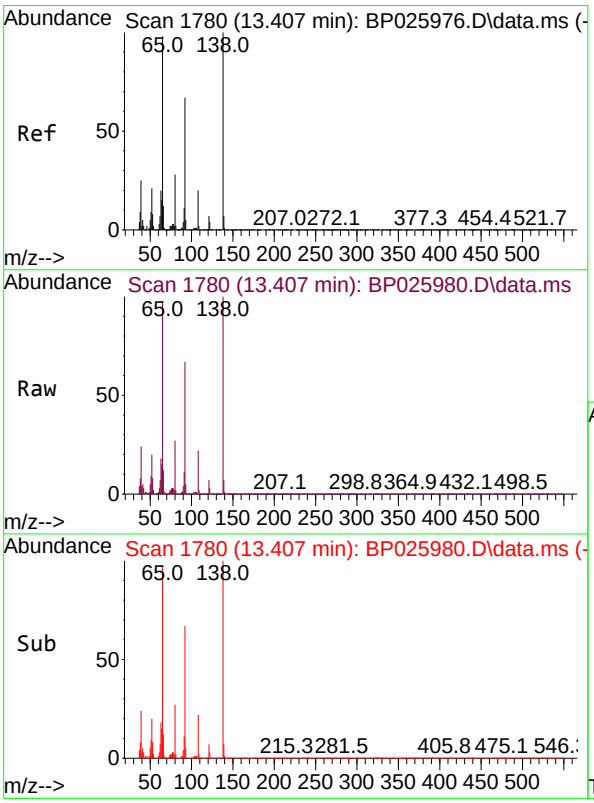
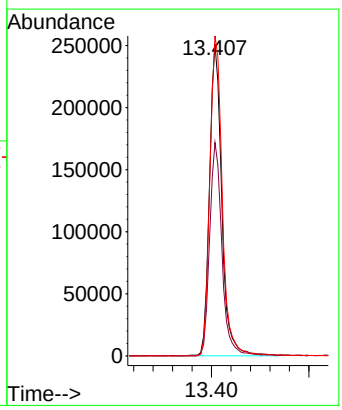
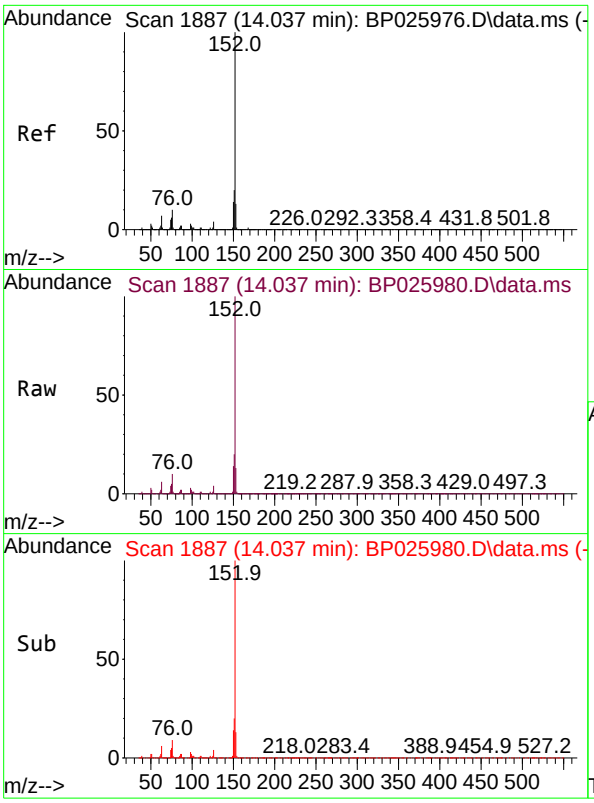


#48
2-Nitroaniline
Concen: 46.185 ng
RT: 13.407 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 65 Resp: 440627

Ion	Ratio	Lower	Upper
65	100		
92	68.5	55.0	82.4
138	102.7	82.0	123.0

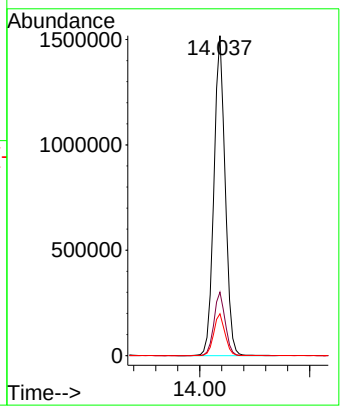




#49
Acenaphthylene
Concen: 43.446 ng
RT: 14.037 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:152 Resp: 215033

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.1	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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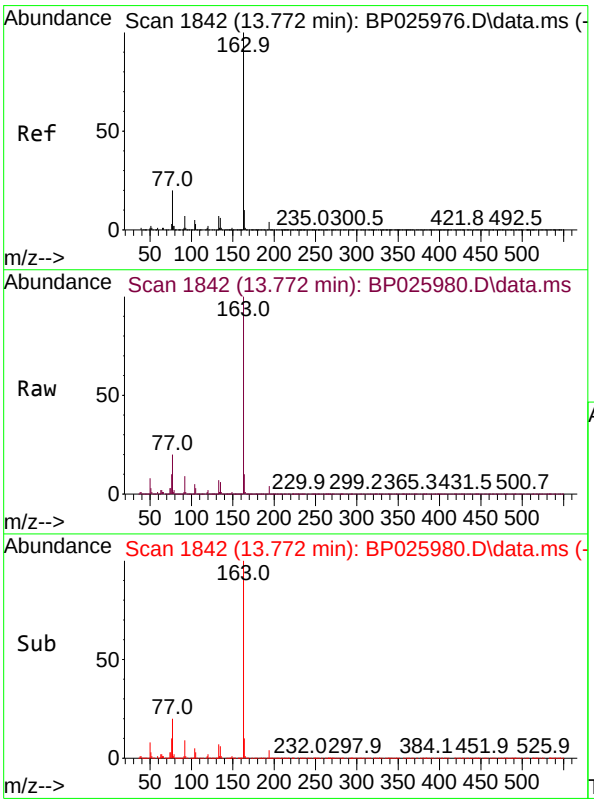
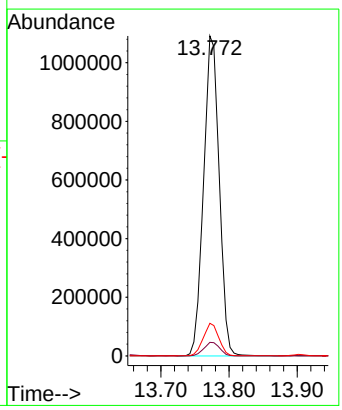
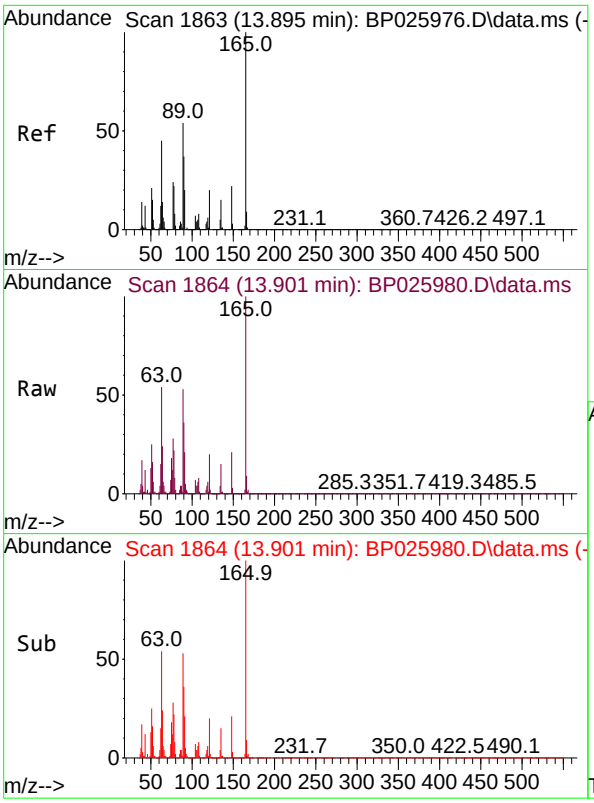


#50
Dimethylphthalate
Concen: 44.364 ng
RT: 13.772 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:163 Resp: 1737874

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.6	5.4
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 45.449 ng
RT: 13.901 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:165 Resp: 384410

Ion	Ratio	Lower	Upper
165	100		
63	53.9	45.4	68.0
89	53.5	43.4	65.0

Instrument :
BNA_P
ClientSampleId :
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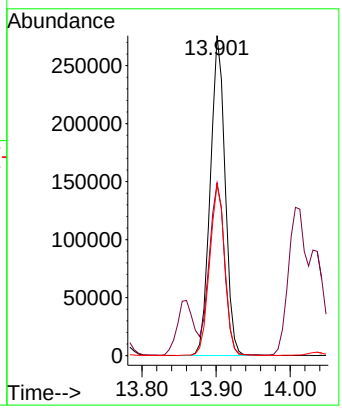
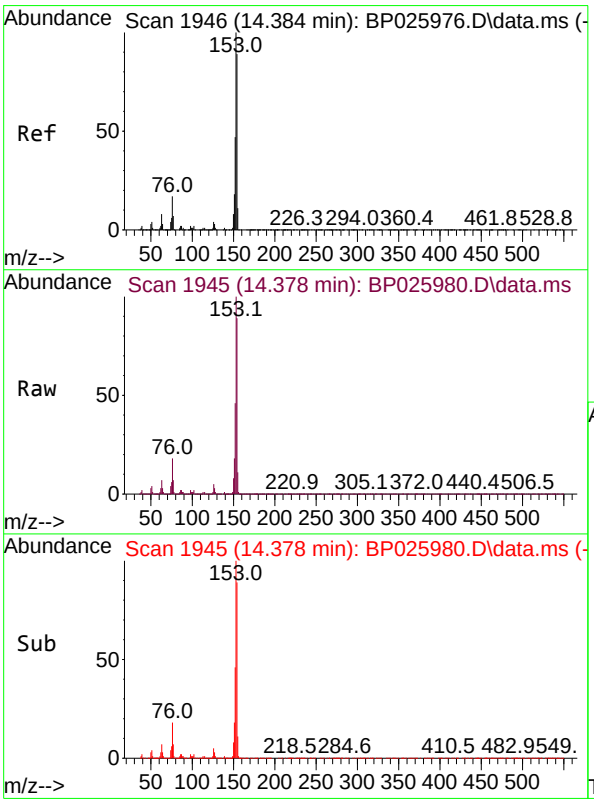
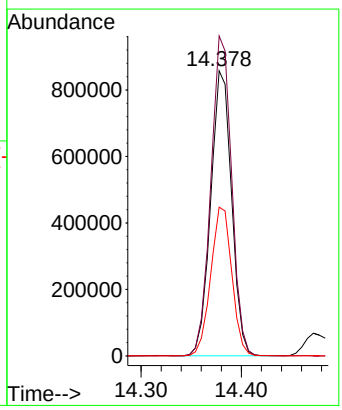


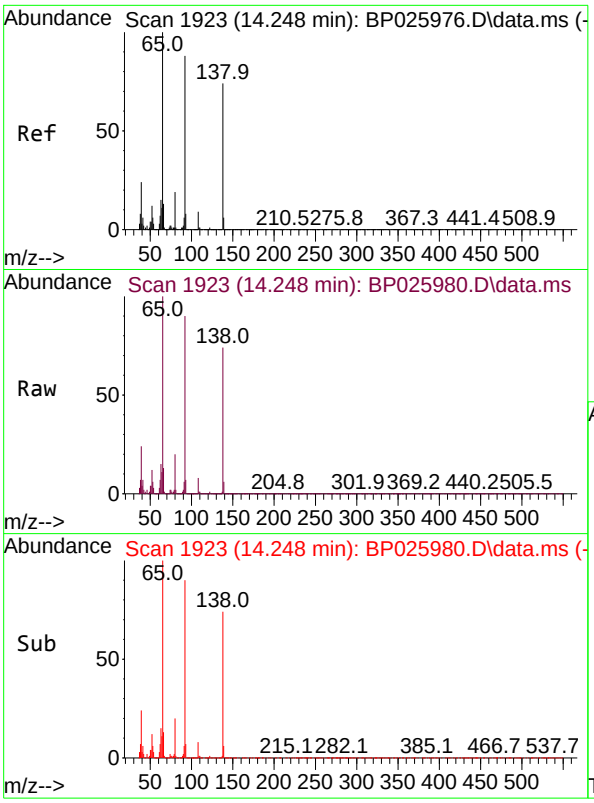


#52
Acenaphthene
Concen: 43.439 ng
RT: 14.378 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:154 Resp: 1241535

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.2	135.2
152	52.2	42.2	63.2

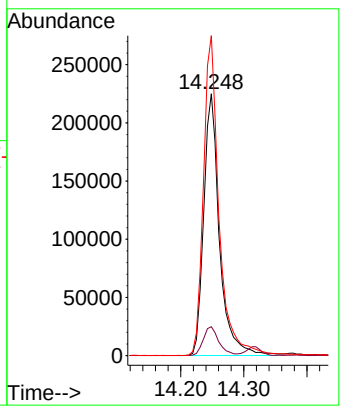




#53
3-Nitroaniline
Concen: 46.099 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:138 Resp: 38835

Ion	Ratio	Lower	Upper
138	100		
108	11.0	10.0	15.0
92	122.2	96.1	144.1



Instrument :
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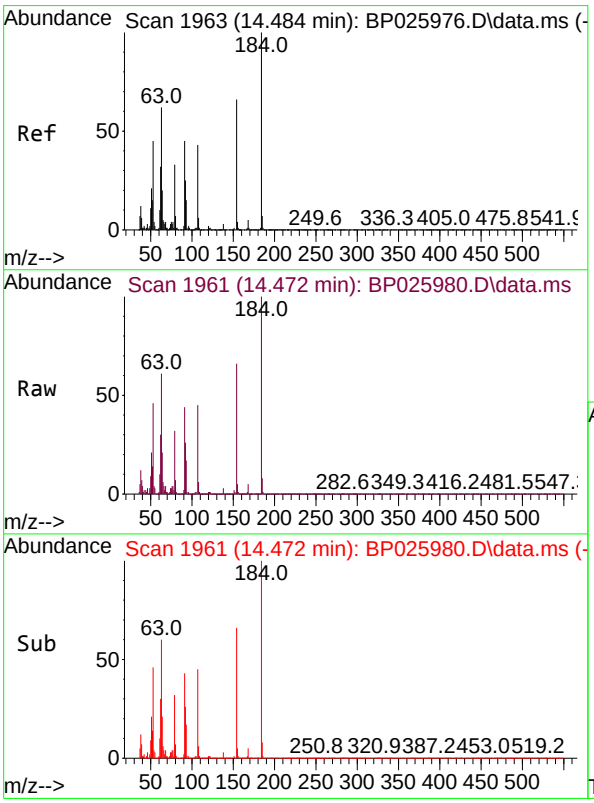
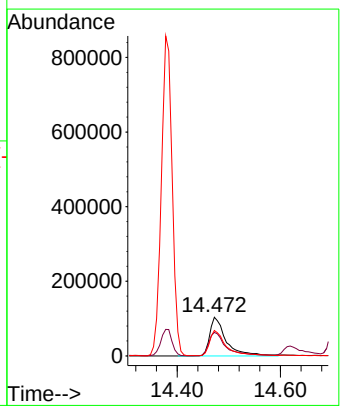
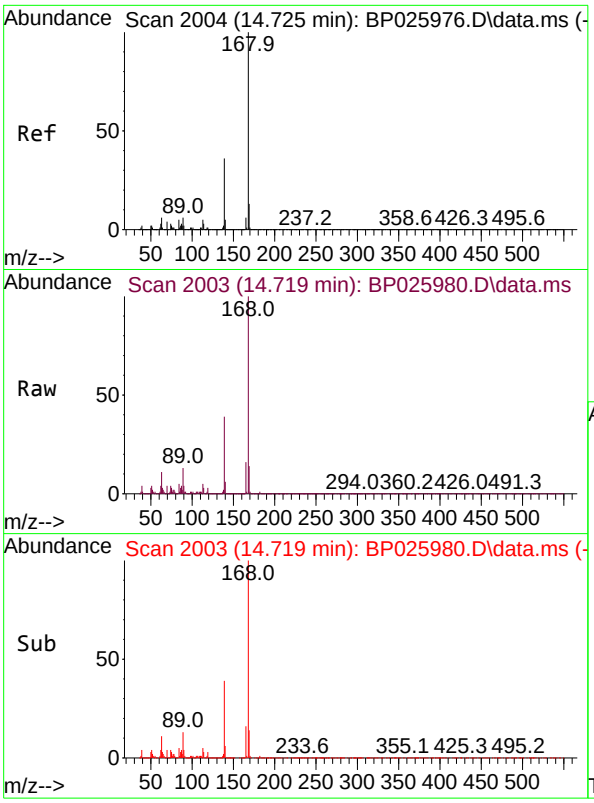


#54
2,4-Dinitrophenol
Concen: 42.362 ng
RT: 14.472 min Scan# 1961
Delta R.T. -0.012 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:184 Resp: 227709

Ion	Ratio	Lower	Upper
184	100		
63	60.7	50.2	75.2
154	65.7	54.2	81.4

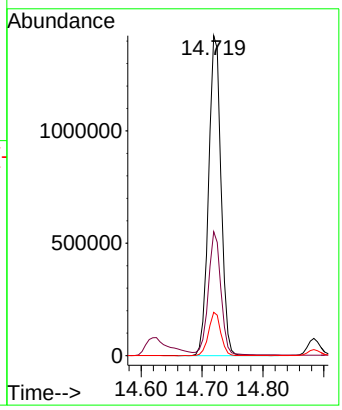




#55
Dibenzofuran
Concen: 44.034 ng
RT: 14.719 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:168 Resp: 201520

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.5	45.7
169	13.5	10.6	15.8



Instrument :
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ClientSampleId :
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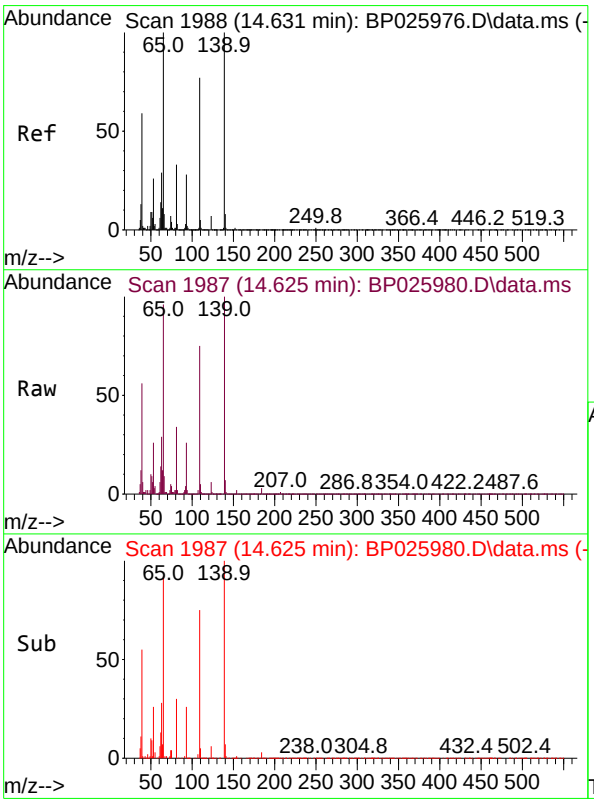
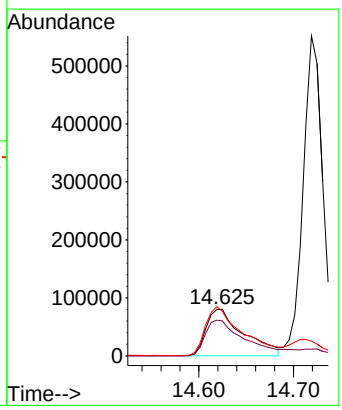
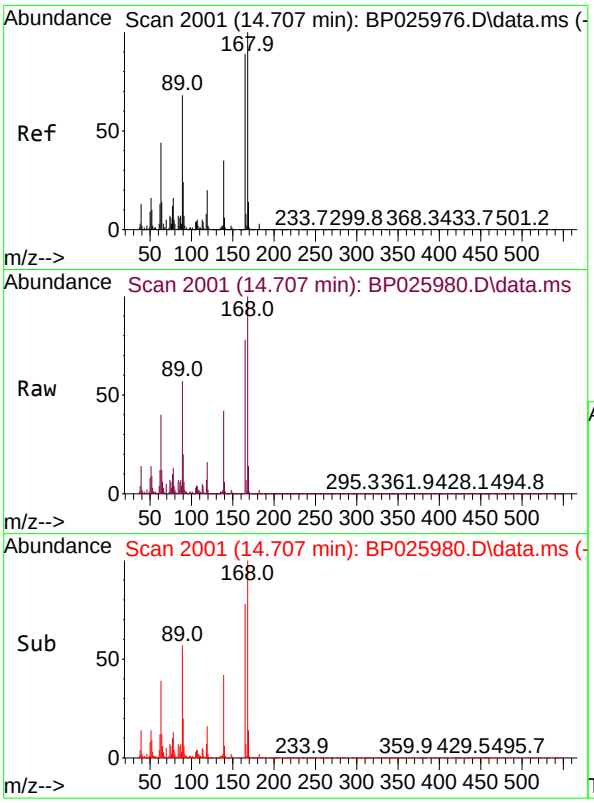


#56
4-Nitrophenol
Concen: 43.329 ng
RT: 14.625 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:139 Resp: 221366

Ion	Ratio	Lower	Upper
139	100		
109	74.9	57.6	97.6
65	95.6	81.4	121.4

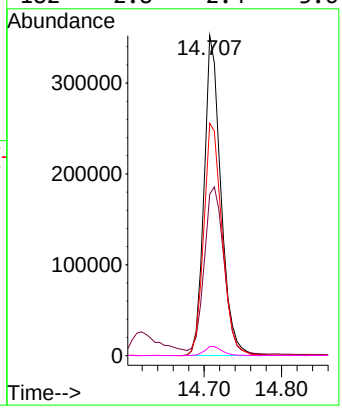




#57
2,4-Dinitrotoluene
Concen: 46.324 ng
RT: 14.707 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:165 Resp: 530898

Ion	Ratio	Lower	Upper
165	100		
63	50.4	41.8	62.6
89	72.6	61.6	92.4
182	2.8	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
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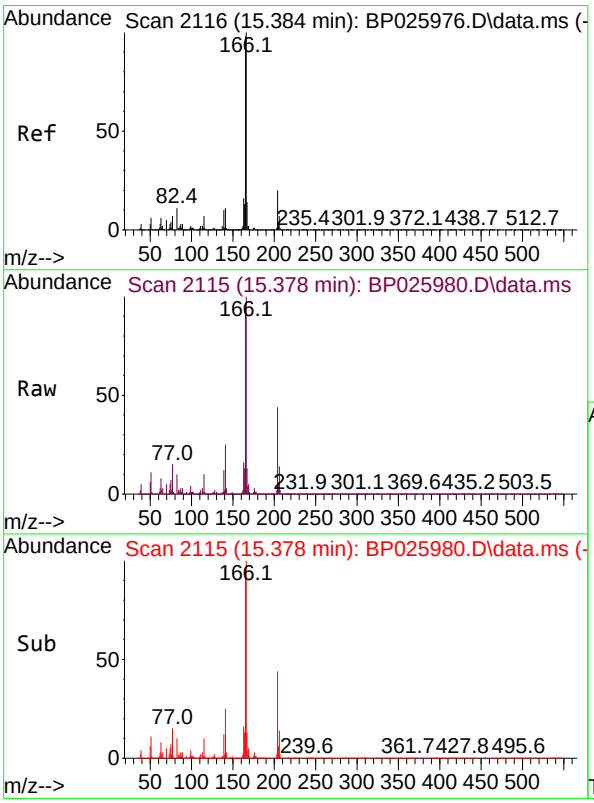
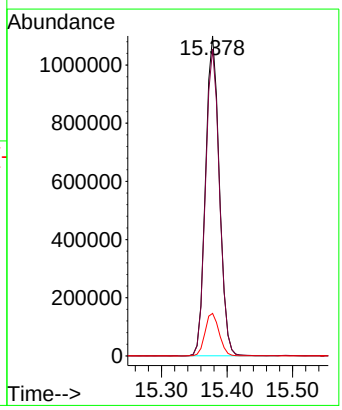
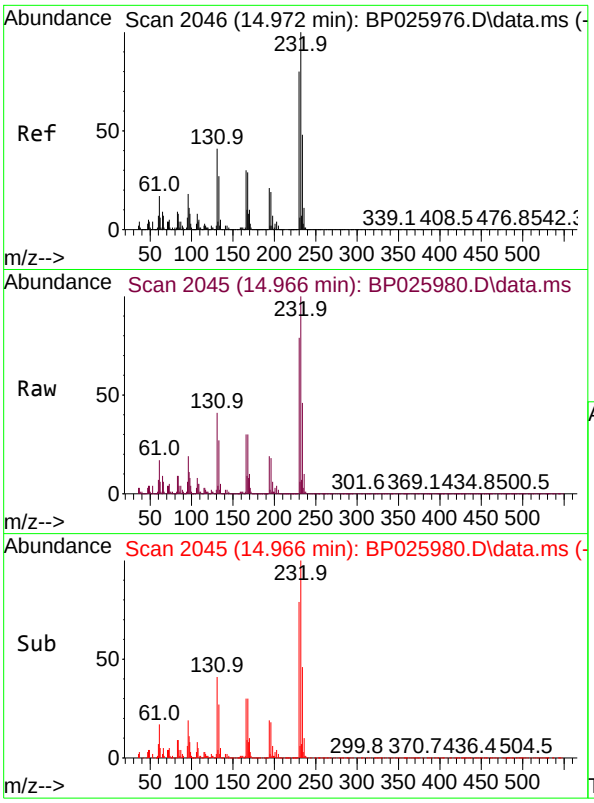


#58
Fluorene
Concen: 43.531 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:166 Resp: 1600764

Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.2	117.2
167	13.3	10.8	16.2

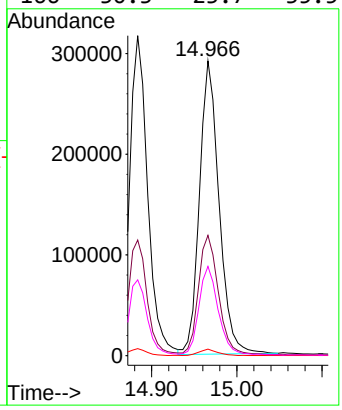




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.433 ng
RT: 14.966 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:232 Resp: 46506

Ion	Ratio	Lower	Upper
232	100		
131	42.1	33.8	50.8
130	2.1	1.8	2.8
166	30.3	23.7	35.5



Instrument :
BNA_P
ClientSampleId :
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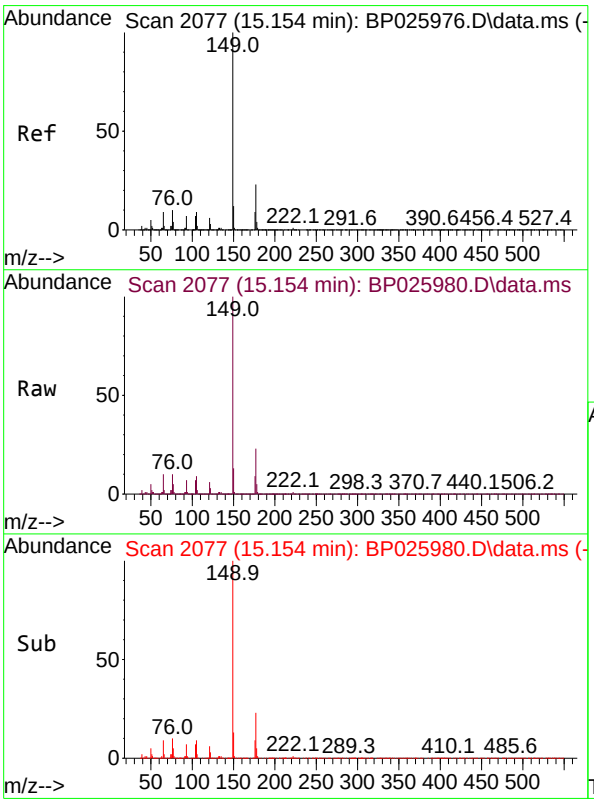
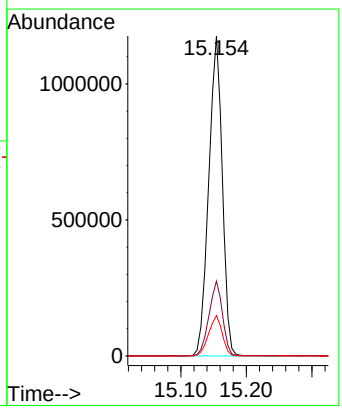
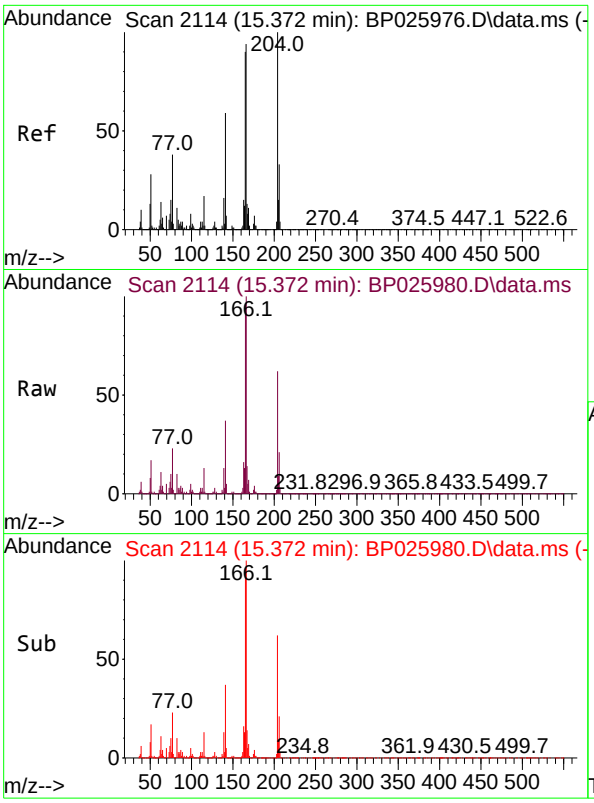


#60
Diethylphthalate
Concen: 43.724 ng
RT: 15.154 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:149 Resp: 1688804

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.2
150	12.6	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 43.871 ng
RT: 15.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:204 Resp: 84835

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	58.6	47.2	70.8

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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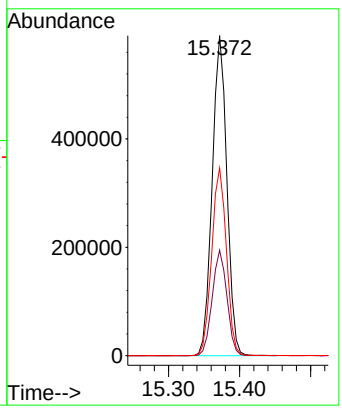
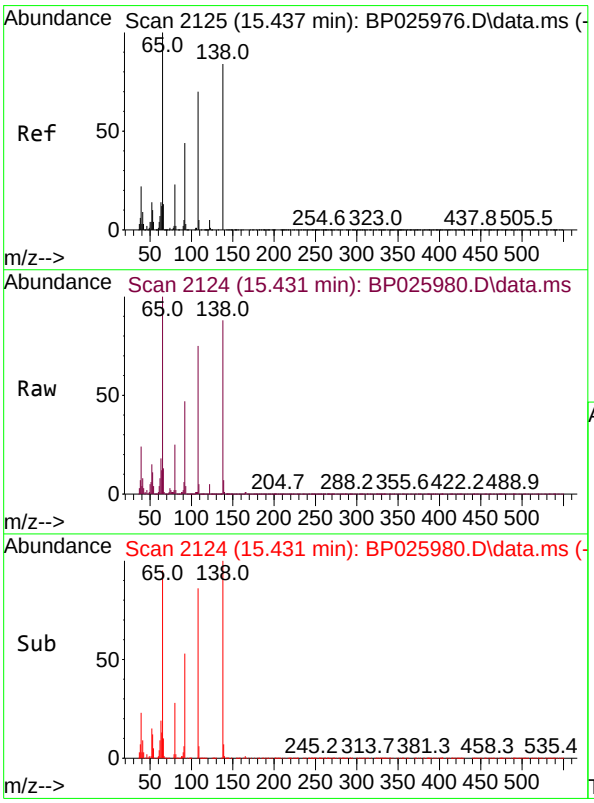
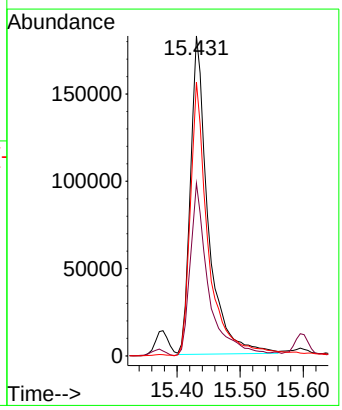


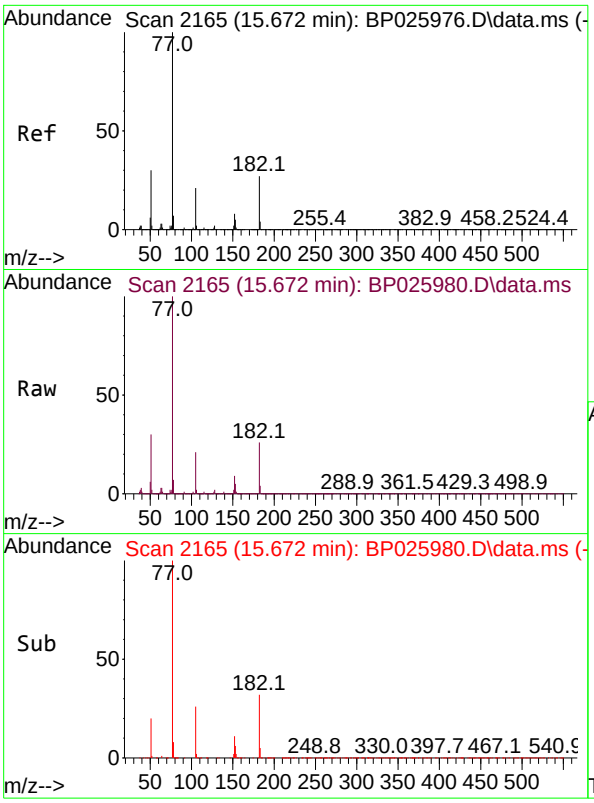


#62
4-Nitroaniline
Concen: 45.415 ng
RT: 15.431 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:138 Resp: 354510

Ion	Ratio	Lower	Upper
138	100		
92	53.9	32.5	72.5
108	85.6	62.7	102.7

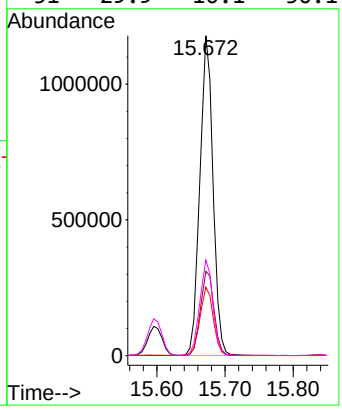




#63
Azobenzene
Concen: 43.941 ng
RT: 15.672 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion: 77 Resp: 158191

Ion	Ratio	Lower	Upper
77	100		
182	26.3	6.6	46.6
105	21.4	1.3	41.3
51	29.9	10.1	50.1



Instrument :
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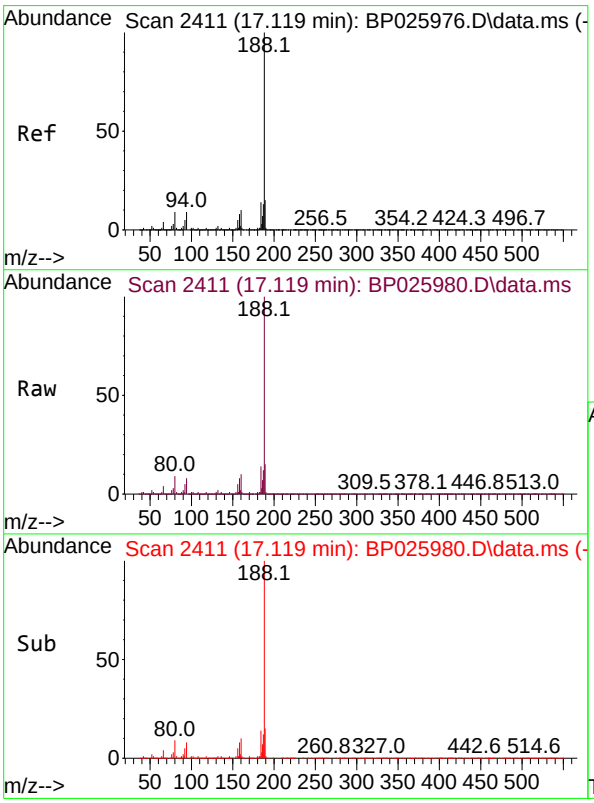
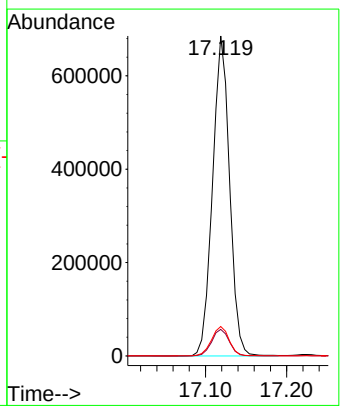
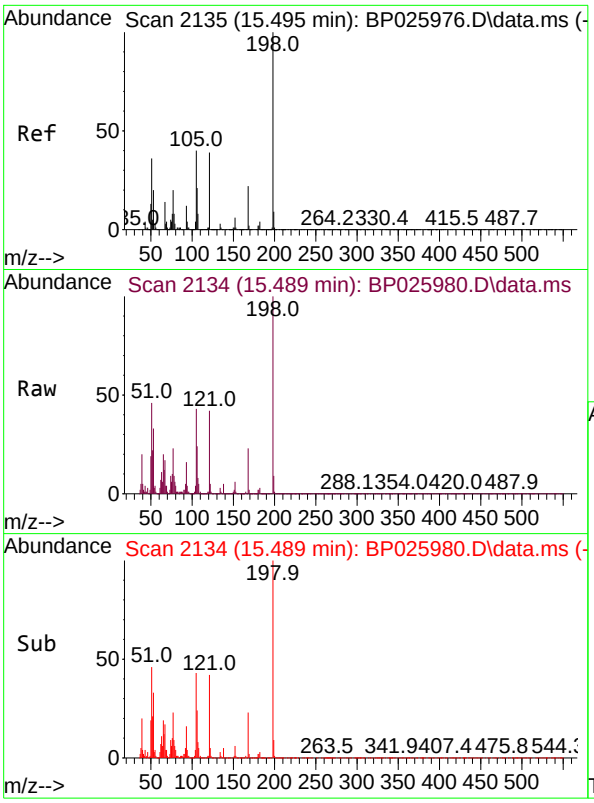


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:188 Resp: 996679

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.8	10.2
80	9.2	7.2	10.8

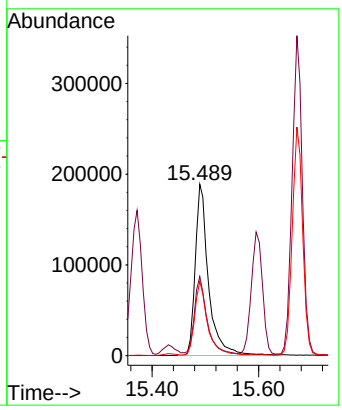




#65
4,6-Dinitro-2-methylphenol
Concen: 45.447 ng
RT: 15.489 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:198 Resp: 32737

Ion	Ratio	Lower	Upper
198	100		
51	46.2	22.1	62.1
105	43.4	20.8	60.8



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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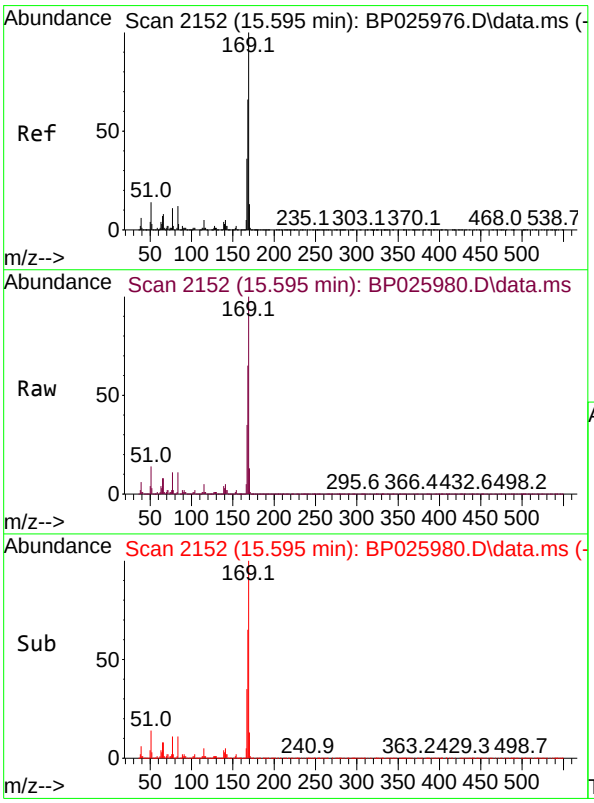
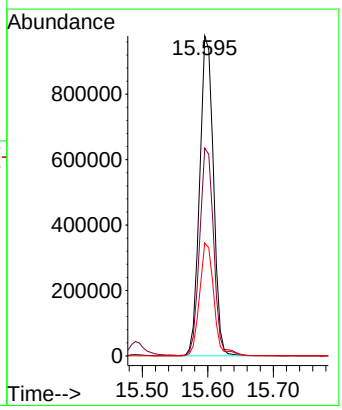
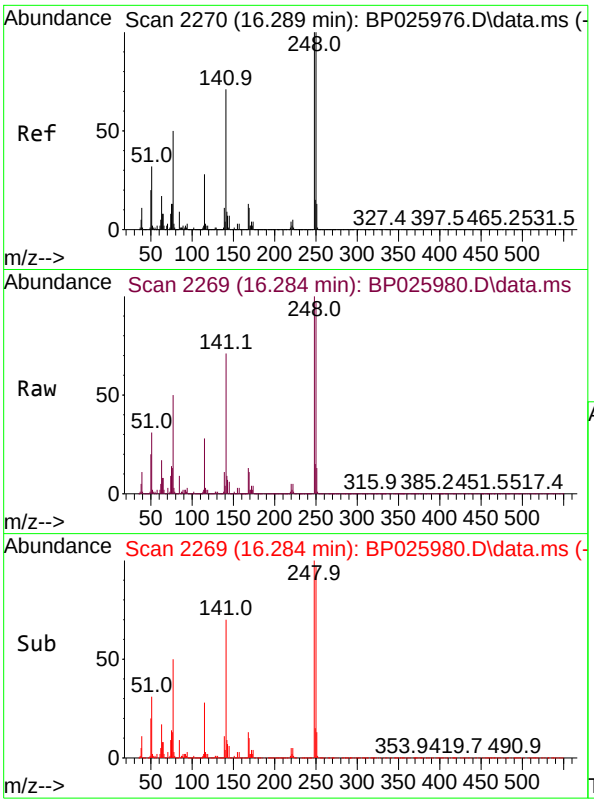


#66
n-Nitrosodiphenylamine
Concen: 44.276 ng
RT: 15.595 min Scan# 2152
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:169 Resp: 1419790

Ion	Ratio	Lower	Upper
169	100		
168	64.9	53.2	79.8
167	35.3	28.6	42.8





#67
4-Bromophenyl-phenylether
Concen: 44.556 ng
RT: 16.284 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:248 Resp: 54812

Ion	Ratio	Lower	Upper
248	100		
250	97.4	79.8	119.6
141	70.6	57.0	85.4

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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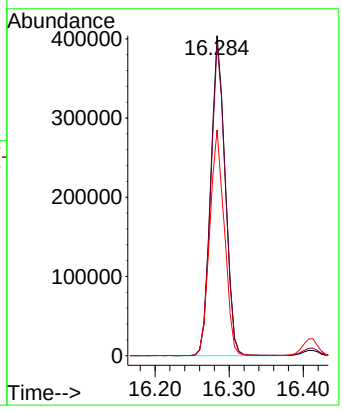
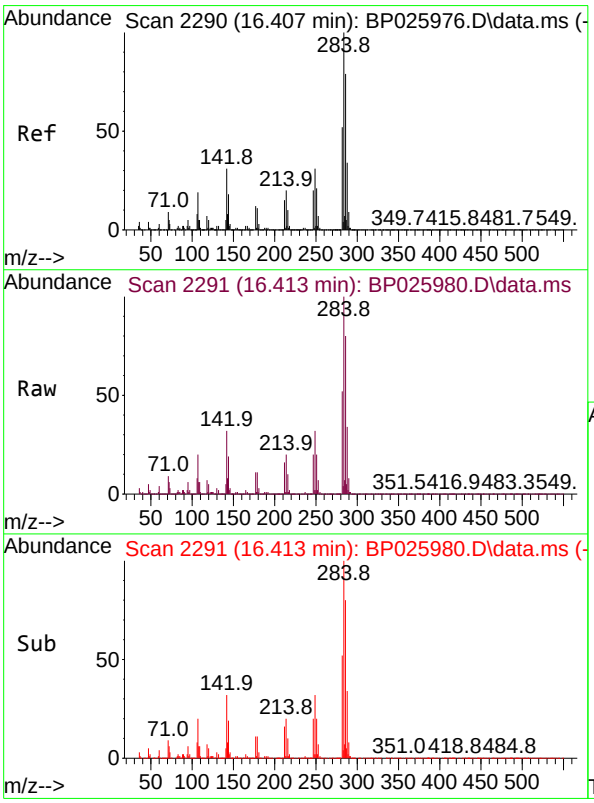
Supervised By :Jagrut Upadhyay 10/16/2025

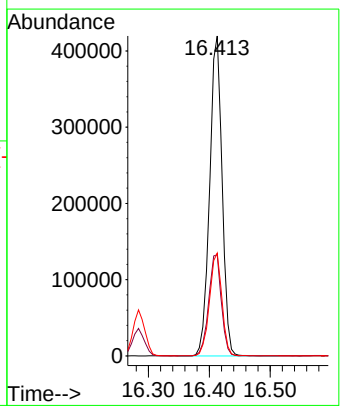


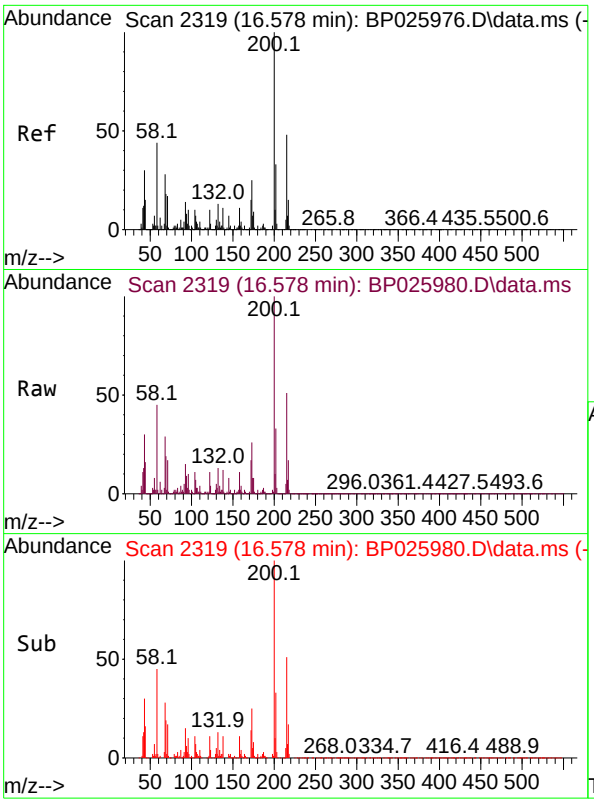


#68
Hexachlorobenzene
Concen: 43.170 ng
RT: 16.413 min Scan# 2291
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:284 Resp: 595769

Ion	Ratio	Lower	Upper
284	100		
142	31.7	24.9	37.3
249	32.1	25.1	37.7

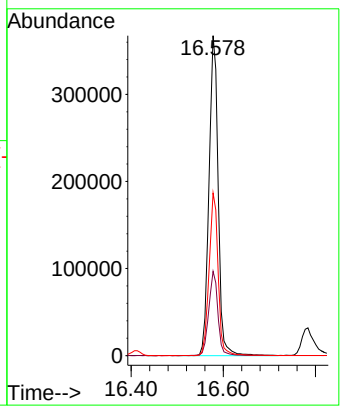




#69
Atrazine
Concen: 43.786 ng
RT: 16.578 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:200 Resp: 50652

Ion	Ratio	Lower	Upper
200	100		
173	26.3	5.3	45.3
215	50.8	28.2	68.2



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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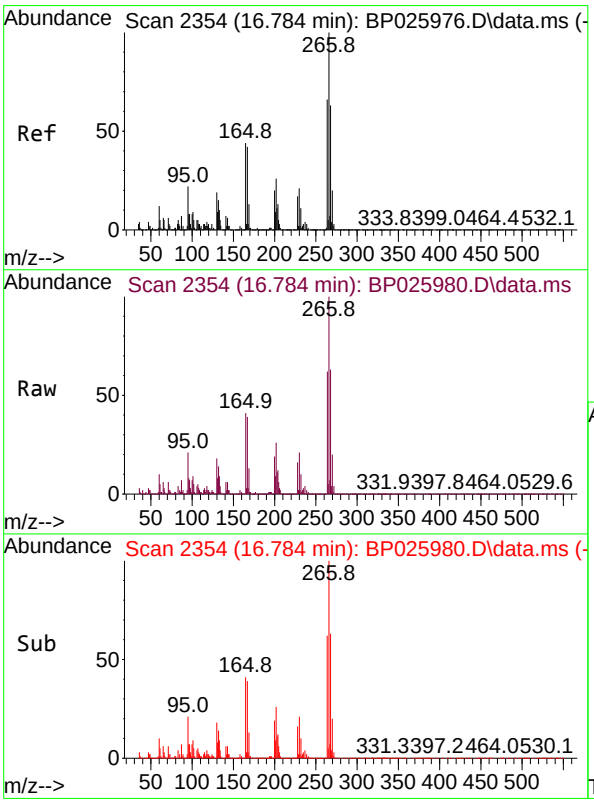
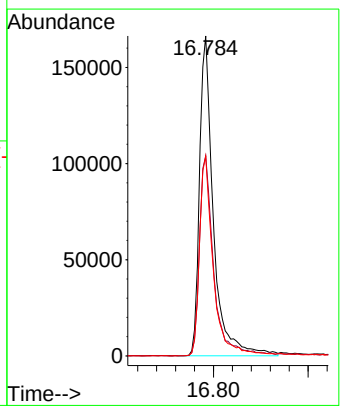
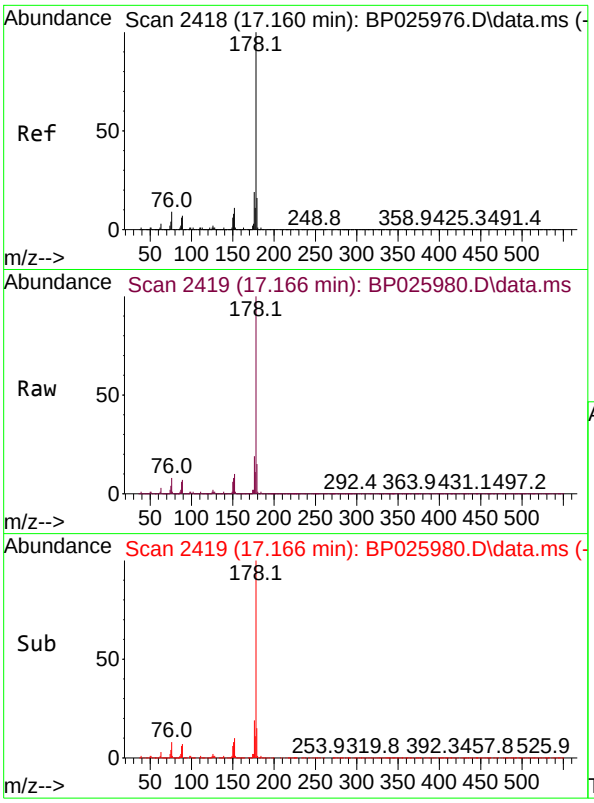


#70
Pentachlorophenol
Concen: 45.417 ng
RT: 16.784 min Scan# 2354
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:266 Resp: 338383

Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.5	75.7
264	62.4	52.9	79.3

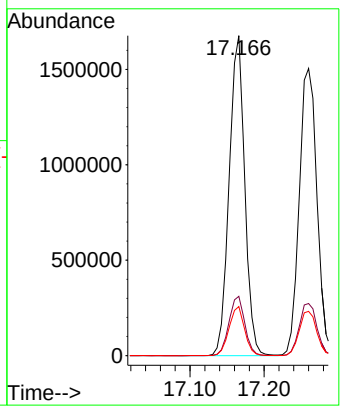




#71
Phenanthrene
Concen: 43.390 ng
RT: 17.166 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:178 Resp: 245104

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.2	22.8
179	15.3	12.7	19.1



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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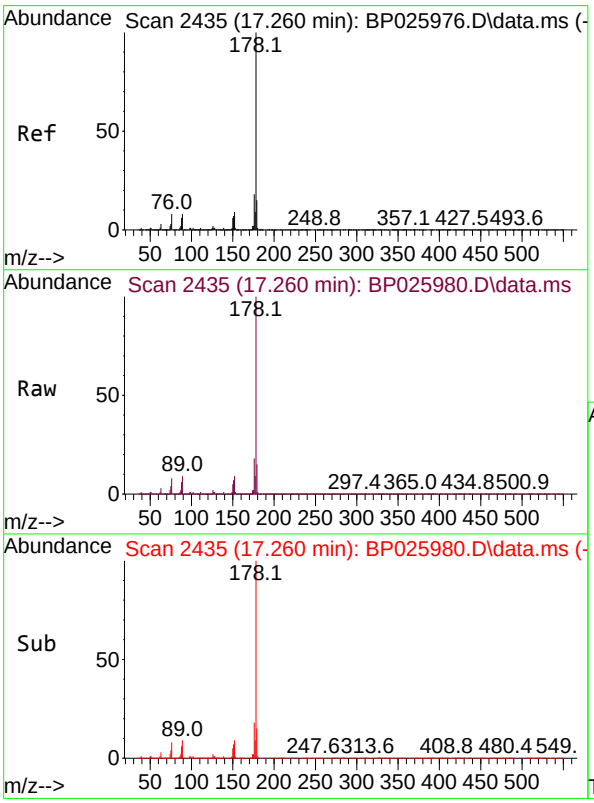
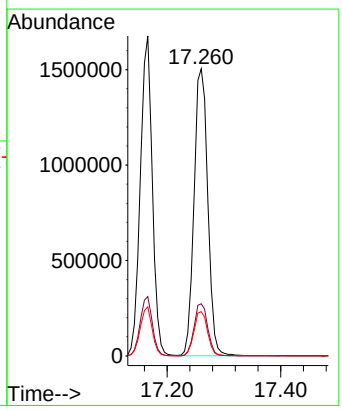
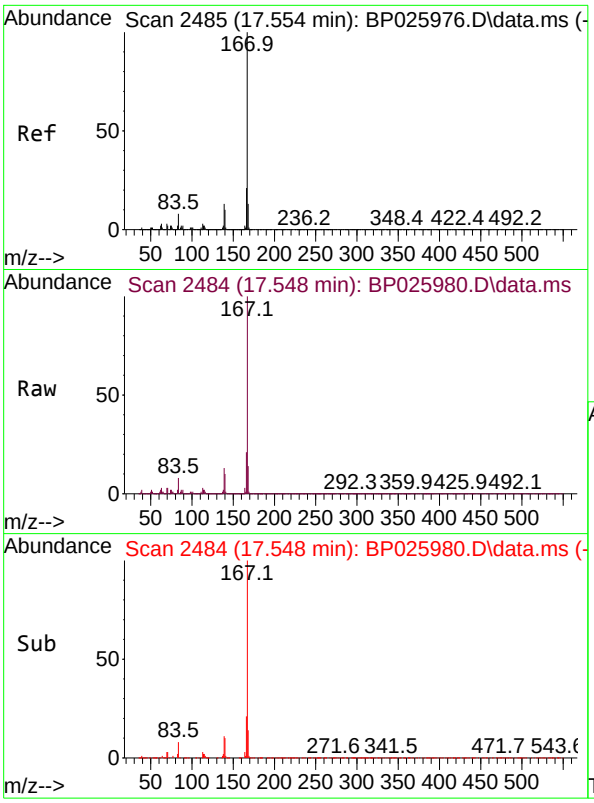


#72
Anthracene
Concen: 43.528 ng
RT: 17.260 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:178 Resp: 2511643

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	15.4	12.3	18.5

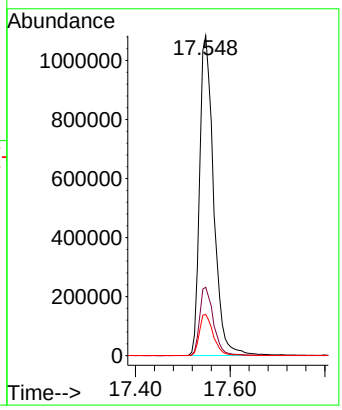




#73
Carbazole
Concen: 43.819 ng
RT: 17.548 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:167 Resp: 222889

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.7	25.1
139	12.8	10.2	15.2



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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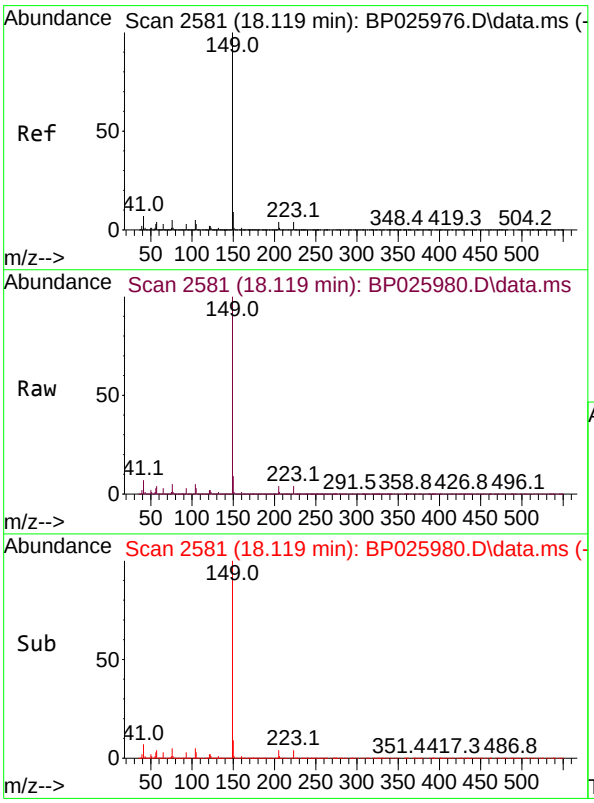
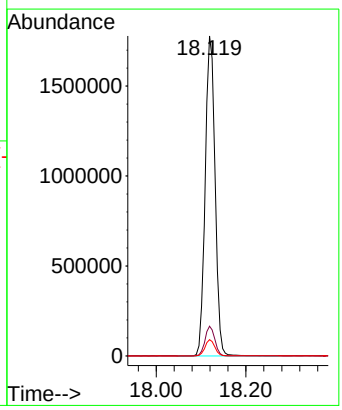
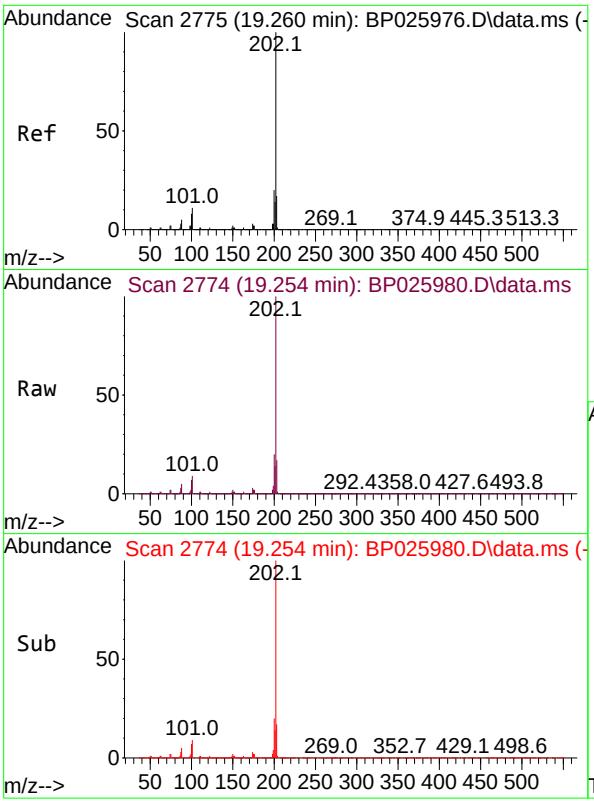


#74
Di-n-butylphthalate
Concen: 43.308 ng
RT: 18.119 min Scan# 2581
Delta R.T. 0.000 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:149 Resp: 2711027

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	5.1	4.1	6.1

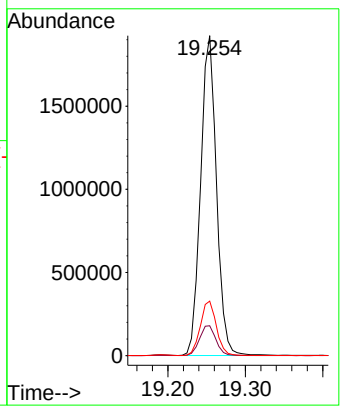




#75
Fluoranthene
Concen: 42.900 ng
RT: 19.254 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:202 Resp: 273352

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	30.5
203	17.0	0.0	37.1



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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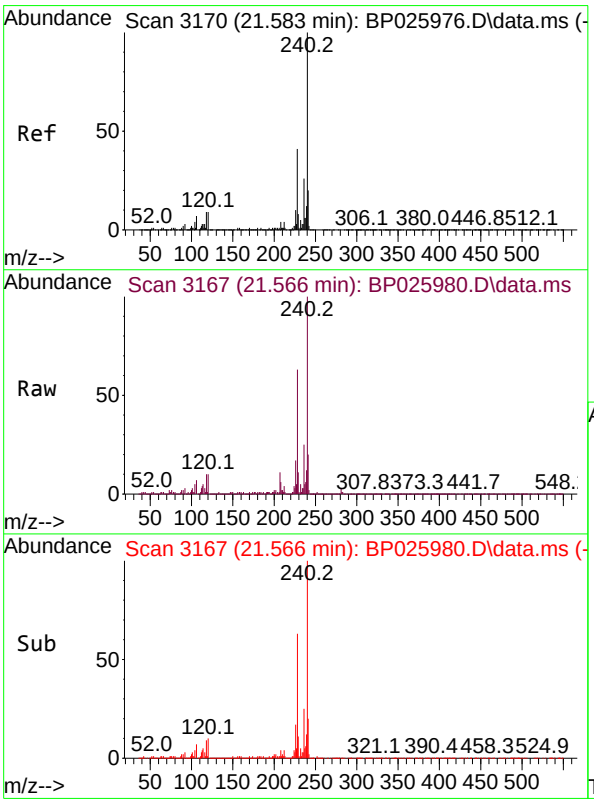
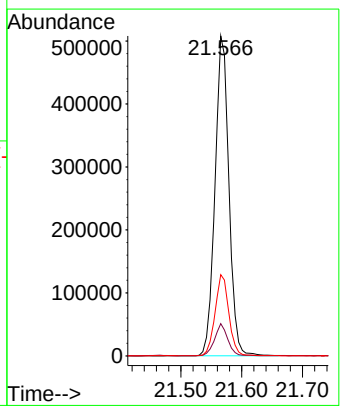
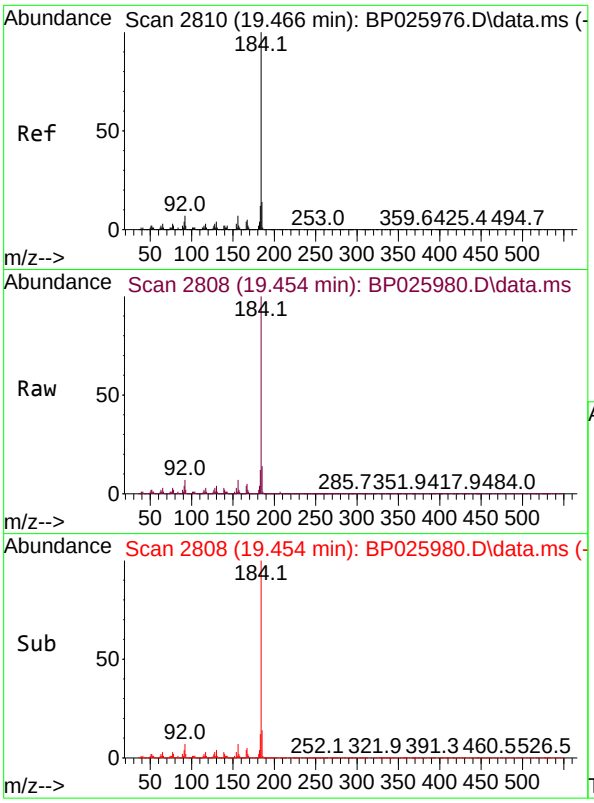


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:240 Resp: 807632

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.4	11.0
236	25.4	20.4	30.6

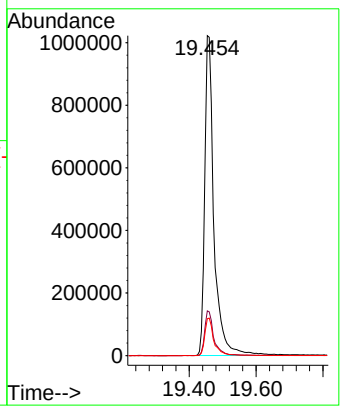




#77
Benzidine
Concen: 75.957 ng
RT: 19.454 min Scan# 28
Delta R.T. -0.012 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:184 Resp: 196560

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.4	17.0
183	11.5	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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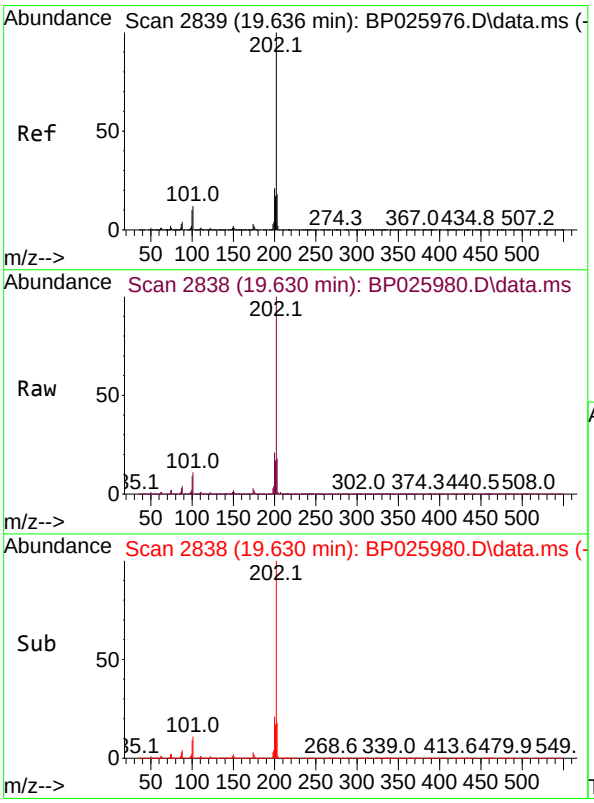
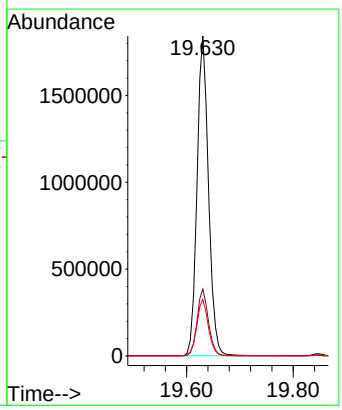
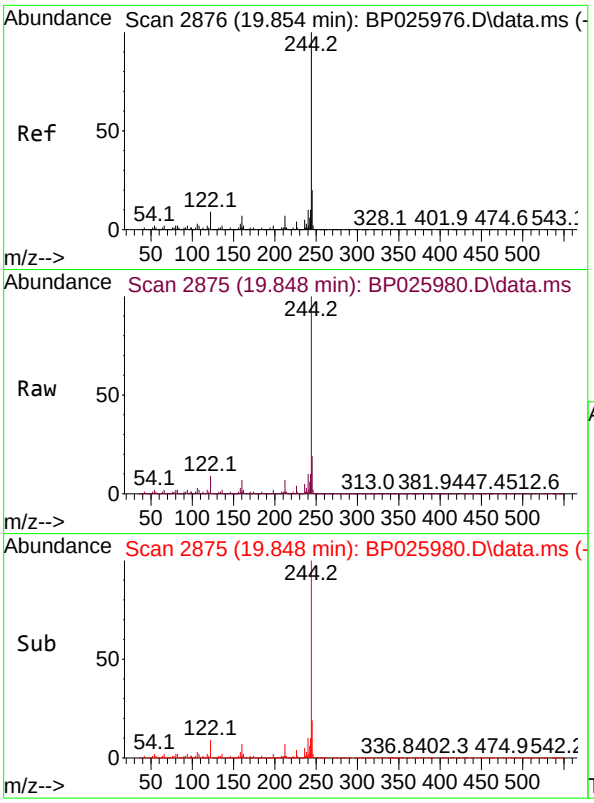


#78
Pyrene
Concen: 46.135 ng
RT: 19.630 min Scan# 2838
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:202 Resp: 2748124

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.6	14.1	21.1

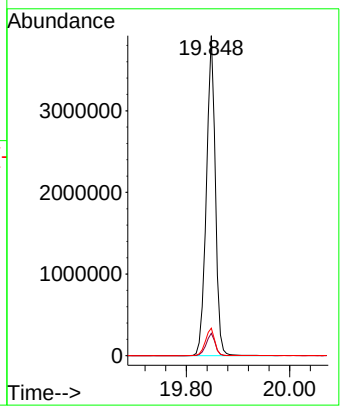




#79
Terphenyl-d14
Concen: 92.957 ng
RT: 19.848 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:244 Resp: 469755

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	8.6	7.1	10.7



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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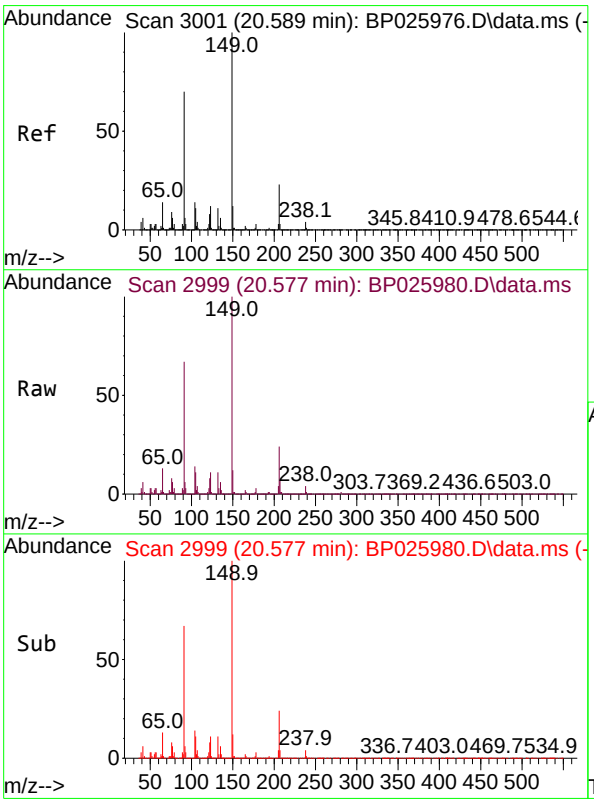
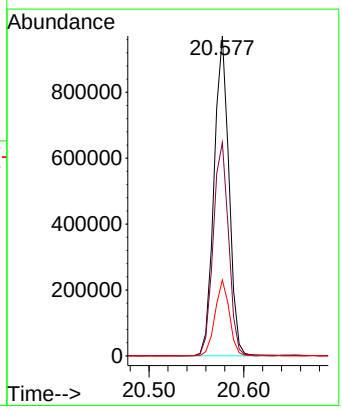
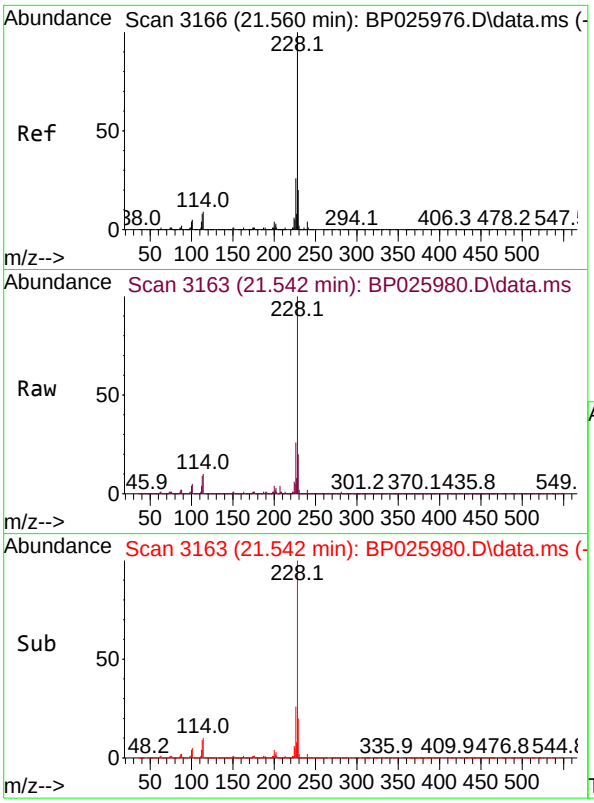


#80
Butylbenzylphthalate
Concen: 44.744 ng
RT: 20.577 min Scan# 2999
Delta R.T. -0.012 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:149 Resp: 1060632

Ion	Ratio	Lower	Upper
149	100		
91	66.7	56.0	84.0
206	23.7	18.6	27.8

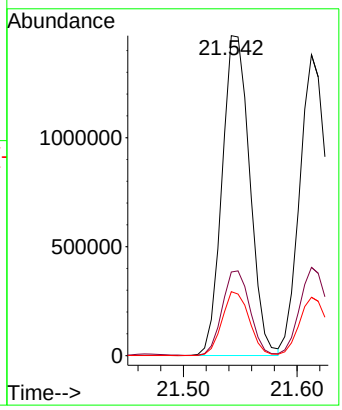




#81
Benzo(a)anthracene
Concen: 44.962 ng
RT: 21.542 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:228 Resp: 248361

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.0	31.6
229	20.0	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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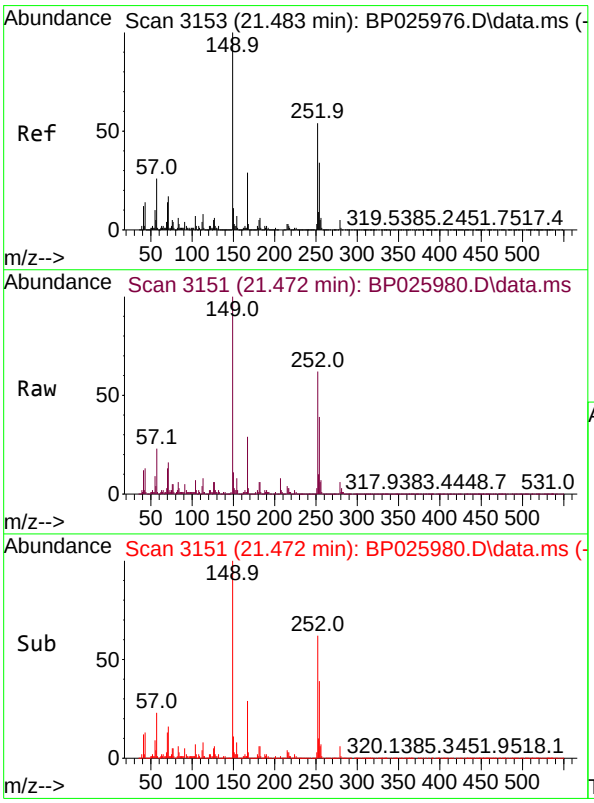
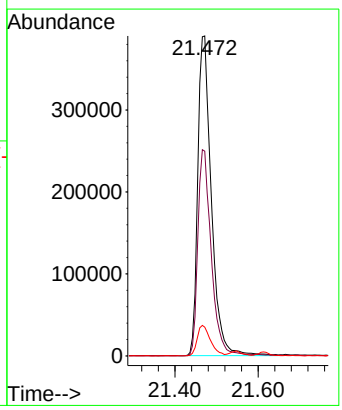
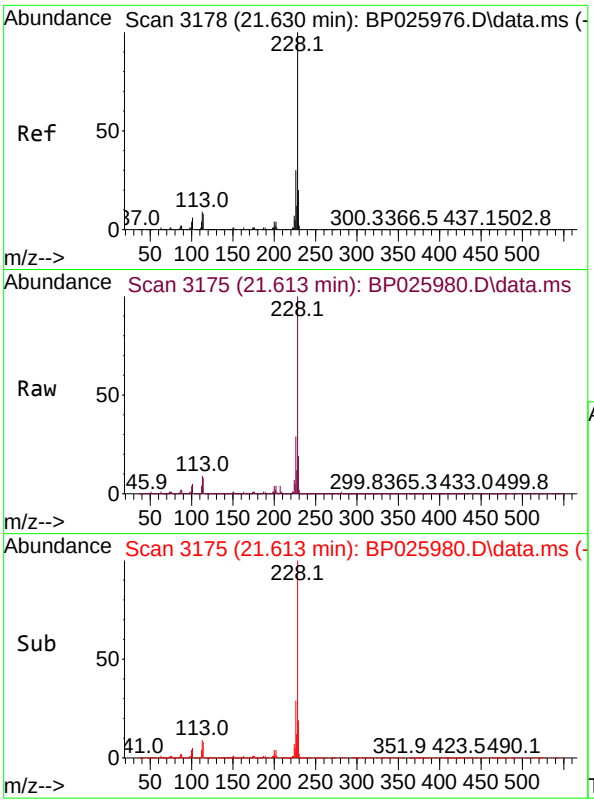


#82
3,3'-Dichlorobenzidine
Concen: 45.012 ng
RT: 21.472 min Scan# 3151
Delta R.T. -0.012 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:252 Resp: 884806

Ion	Ratio	Lower	Upper
252	100		
254	64.0	50.6	75.8
126	9.0	8.0	12.0

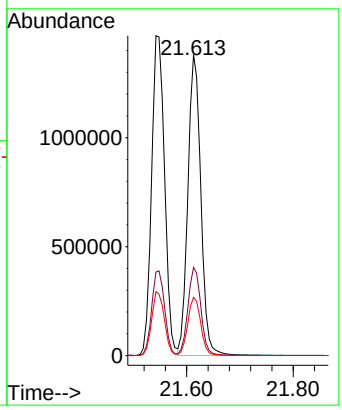




#83
Chrysene
Concen: 44.171 ng
RT: 21.613 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:228 Resp: 233290

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.5	35.3
229	19.4	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

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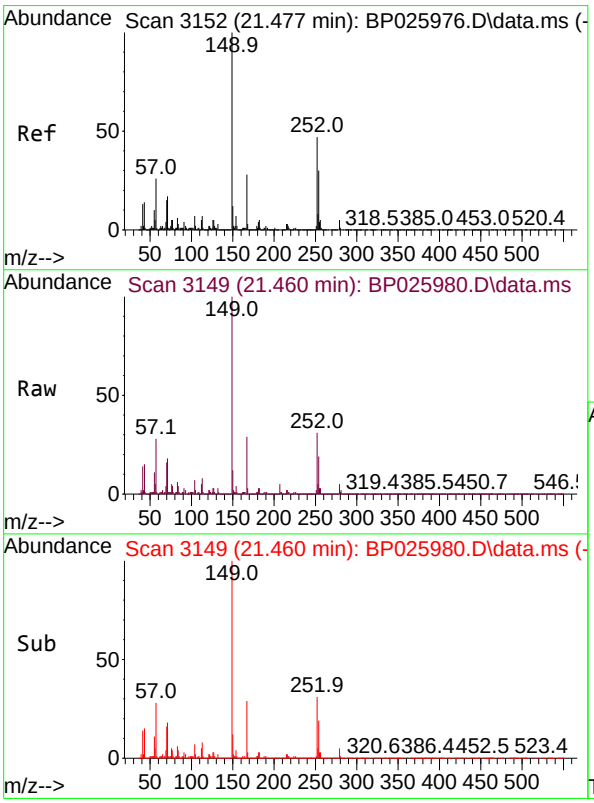
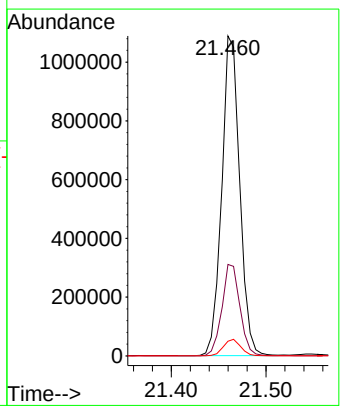
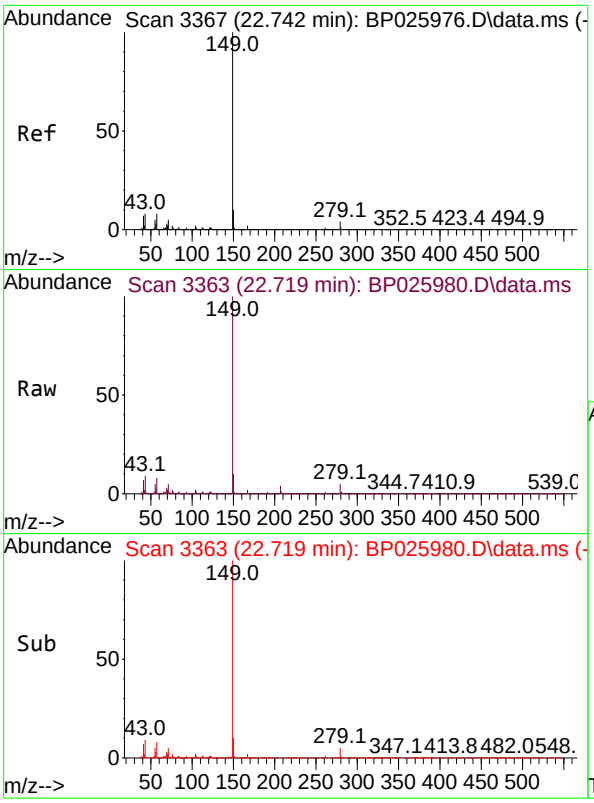


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.783 ng
RT: 21.460 min Scan# 3149
Delta R.T. -0.018 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:149 Resp: 1432786

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.8	34.2
279	4.6	3.8	5.8

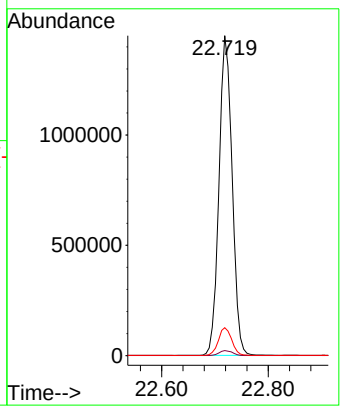




#85
Di-n-octyl phthalate
Concen: 44.465 ng
RT: 22.719 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:149 Resp: 248459

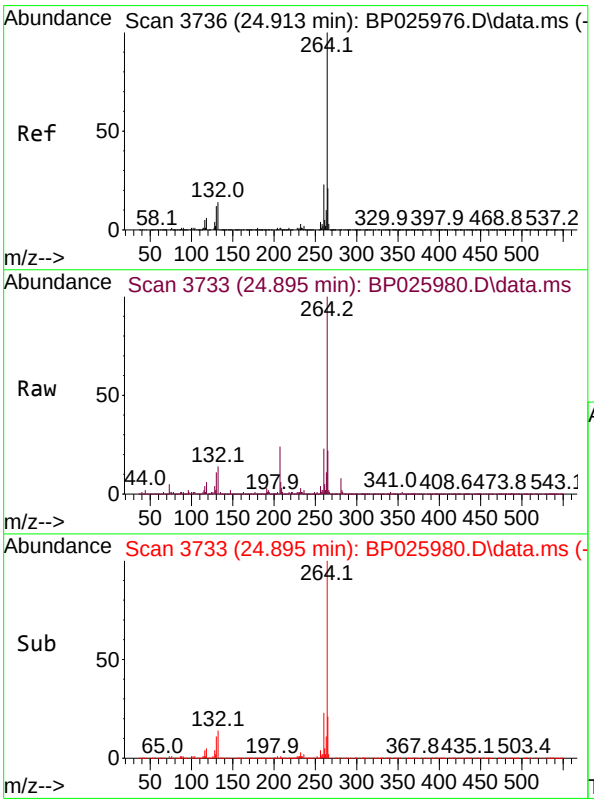
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.8	7.2	10.8



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Manual Integrations
APPROVED

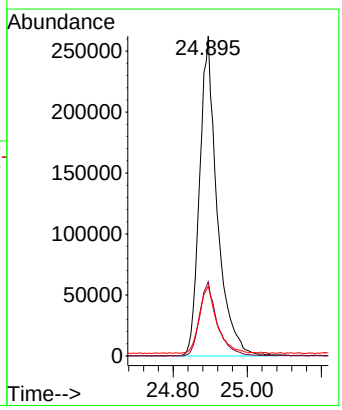
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

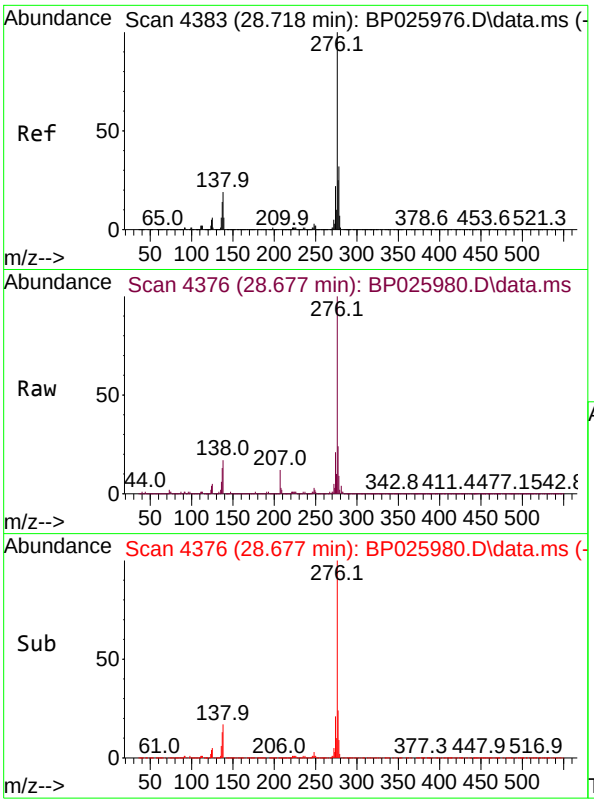


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.895 min Scan# 3733
Delta R.T. -0.018 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:264 Resp: 864728

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	21.8	17.7	26.5

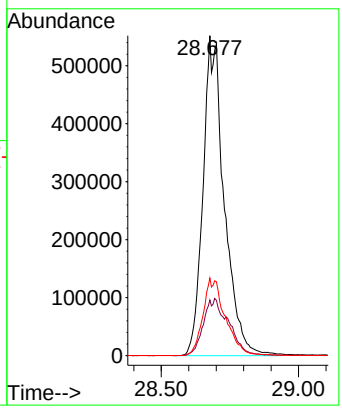




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.413 ng m
RT: 28.677 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:276 Resp: 295814

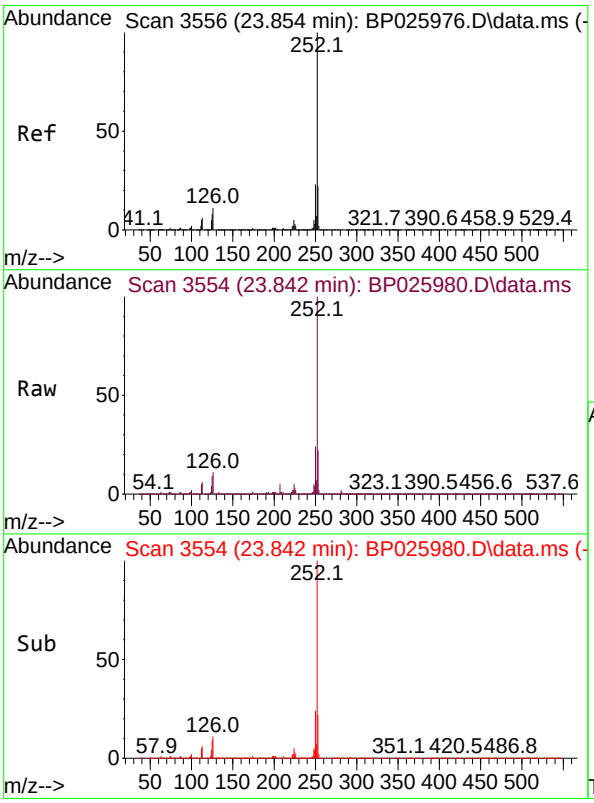
Ion	Ratio	Lower	Upper
276	100		
138	7.6	17.4	26.0#
277	10.4	20.3	30.5#



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Manual Integrations
APPROVED

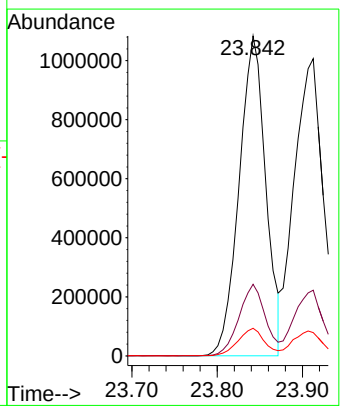
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

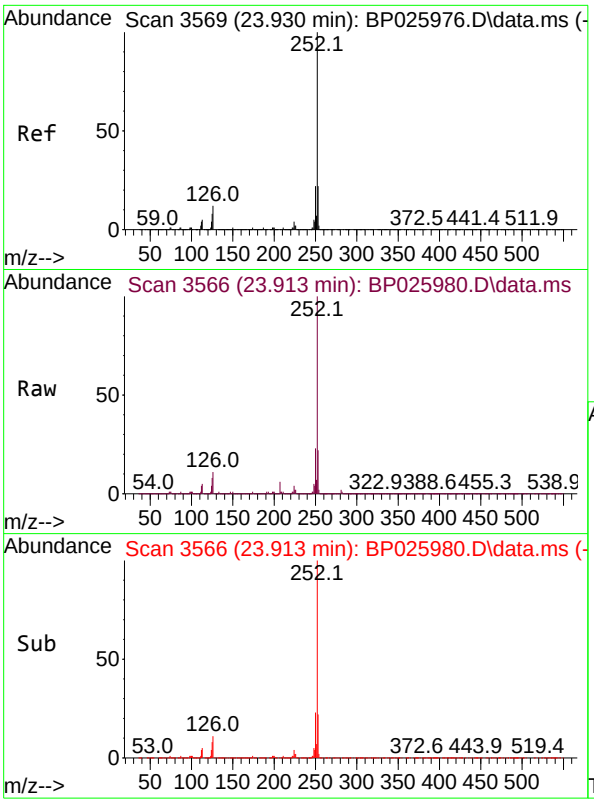


#88
Benzo(b)fluoranthene
Concen: 43.710 ng
RT: 23.842 min Scan# 3554
Delta R.T. -0.012 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:252 Resp: 2354024

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	8.6	6.8	10.2

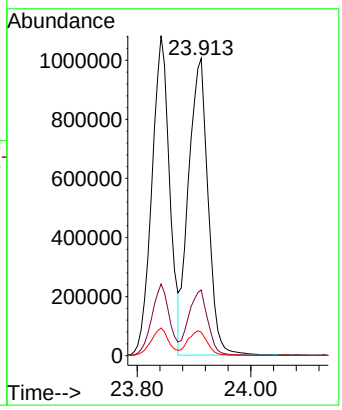




#89
Benzo(k)fluoranthene
Concen: 43.909 ng
RT: 23.913 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:252 Resp: 239987

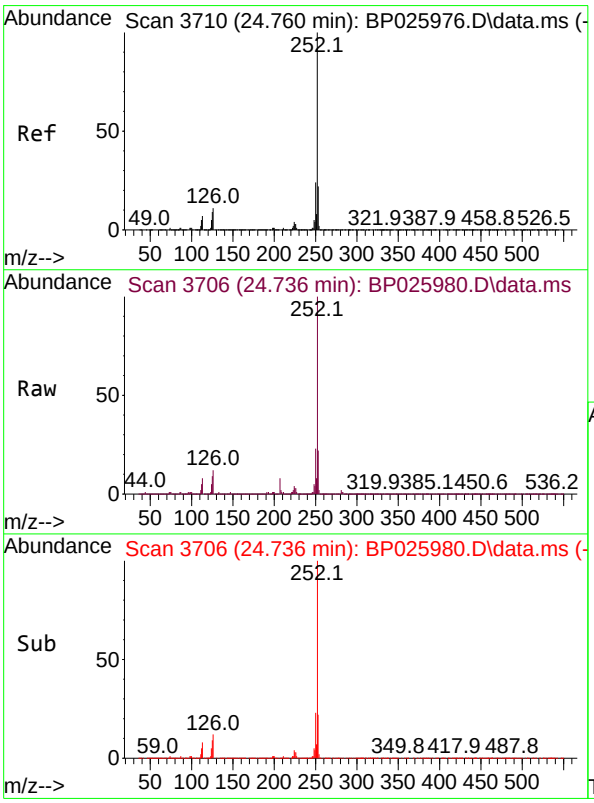
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	7.8	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Manual Integrations
APPROVED

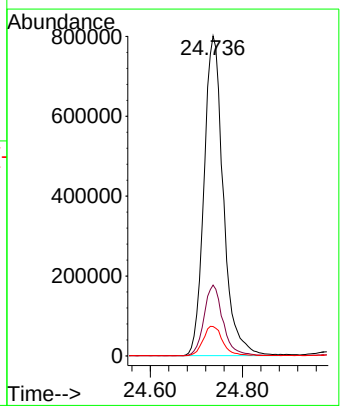
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

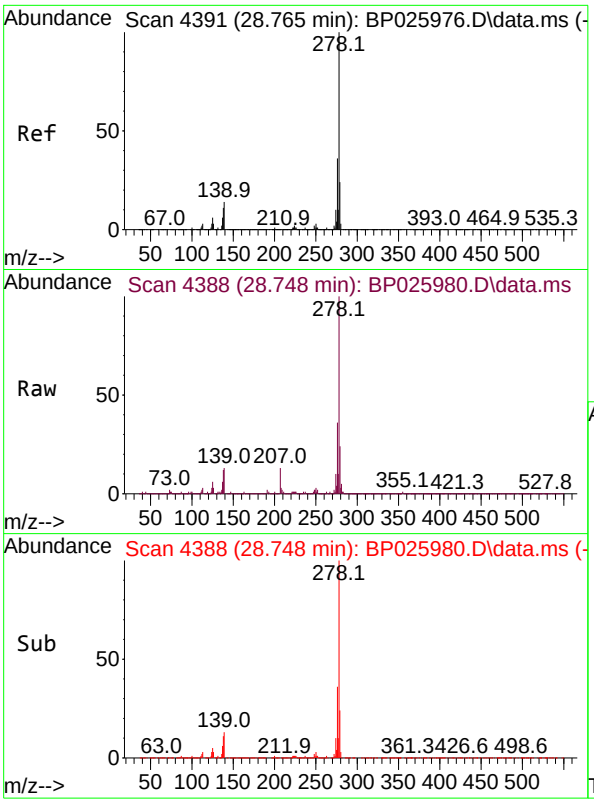


#90
Benzo(a)pyrene
Concen: 44.283 ng
RT: 24.736 min Scan# 3706
Delta R.T. -0.024 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:252 Resp: 2317166

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.2	7.4	11.2

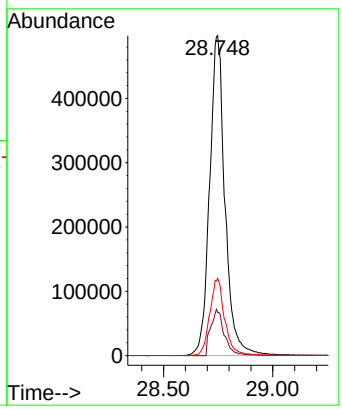




#91
Dibenzo(a,h)anthracene
Concen: 45.881 ng
RT: 28.748 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:278 Resp: 243630

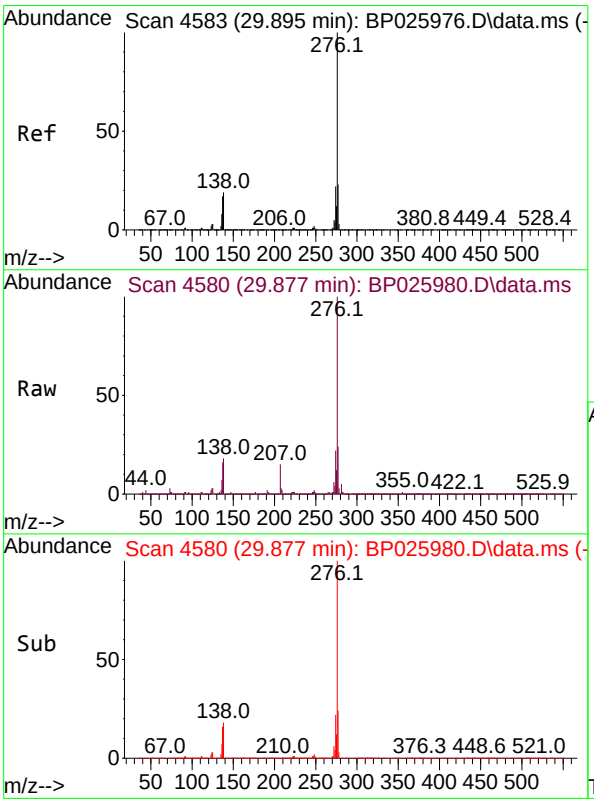
Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.9	16.3
279	24.1	19.5	29.3



Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Manual Integrations
APPROVED

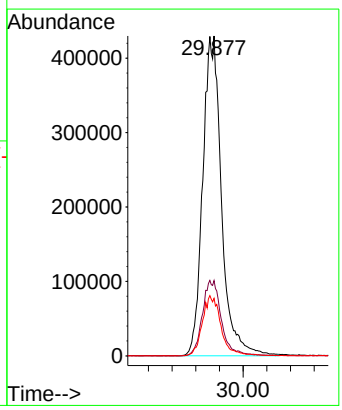
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#92
Benzo(g,h,i)perylene
Concen: 45.433 ng
RT: 29.877 min Scan# 4580
Delta R.T. -0.018 min
Lab File: BP025980.D
Acq: 15 Oct 2025 22:00

Tgt Ion:276 Resp: 2363751

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	18.0	15.5	23.3



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025980.D
Acq On : 15 Oct 2025 22:00
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Quant Time: Oct 15 23:57:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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	124	0.00
2		1,4-Dioxane	0.483	0.503	-4.1	115	0.00
3		Pyridine	1.348	1.494	-10.8	122	0.00
4		n-Nitrosodimethylamine	0.591	0.648	-9.6	122	0.00
5	S	2-Fluorophenol	1.220	1.366	-12.0	123	0.00
6		Aniline	2.279	2.517	-10.4	123	0.00
7	S	Phenol-d6	1.702	1.907	-12.0	124	0.00
8		2-Chlorophenol	1.414	1.558	-10.2	123	0.00
9		Benzaldehyde	0.908	1.759	-93.7#	223#	0.00
10	C	Phenol	1.719	1.960	-14.0	124	0.00
11		bis(2-Chloroethyl)ether	1.401	1.575	-12.4	124	0.00
12		1,3-Dichlorobenzene	1.567	1.701	-8.6	122	0.00
13	C	1,4-Dichlorobenzene	1.597	1.733	-8.5	122	0.00
14		1,2-Dichlorobenzene	1.562	1.700	-8.8	123	0.00
15		Benzyl Alcohol	1.449	1.609	-11.0	129	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.338	-8.3	123	0.00
17		2-Methylphenol	1.232	1.364	-10.7	123	0.00
18		Hexachloroethane	0.609	0.652	-7.1	119	0.00
19	P	n-Nitroso-di-n-propylamine	1.214	1.370	-12.9	128	0.00
20		3+4-Methylphenols	1.717	1.869	-8.9	125	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	126	0.00
22		Acetophenone	0.544	0.610	-12.1	126	0.00
23	S	Nitrobenzene-d5	0.445	0.503	-13.0	126	0.00
24		Nitrobenzene	0.396	0.446	-12.6	125	0.00
25		Isophorone	0.799	0.888	-11.1	129	0.00
26	C	2-Nitrophenol	0.192	0.221	-15.1	127	0.00
27		2,4-Dimethylphenol	0.325	0.368	-13.2	126	0.00
28		bis(2-Chloroethoxy)methane	0.467	0.521	-11.6	126	0.00
29	C	2,4-Dichlorophenol	0.324	0.368	-13.6	128	-0.01
30		1,2,4-Trichlorobenzene	0.366	0.403	-10.1	124	0.00
31		Naphthalene	1.079	1.183	-9.6	125	0.00
32		Benzoic acid	0.235	0.271	-15.3	140	0.01
33		4-Chloroaniline	0.458	0.517	-12.9	127	0.00
34	C	Hexachlorobutadiene	0.242	0.270	-11.6	127	0.00
35		Caprolactam	0.115	0.127	-10.4	136	0.00
36	C	4-Chloro-3-methylphenol	0.380	0.431	-13.4	133	0.00
37		2-Methylnaphthalene	0.706	0.791	-12.0	132	0.00
38		1-Methylnaphthalene	0.745	0.810	-8.7	128	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	132	0.00
40		1,2,4,5-Tetrachlorobenzene	0.651	0.726	-11.5	128	0.00
41	P	Hexachlorocyclopentadiene	0.329	0.398	-21.0	139	0.00
42	S	2,4,6-Tribromophenol	0.269	0.312	-16.0	142	0.00
43	C	2,4,6-Trichlorophenol	0.413	0.478	-15.7	133	0.00
44		2,4,5-Trichlorophenol	0.450	0.516	-14.7	132	0.00
45	S	2-Fluorobiphenyl	1.560	1.686	-8.1	126	0.00
46		1,1'-Biphenyl	1.511	1.648	-9.1	128	0.00
47		2-Chloronaphthalene	1.181	1.299	-10.0	129	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025980.D
Acq On : 15 Oct 2025 22:00
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Quant Time: Oct 15 23:57:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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	0.368	0.425	-15.5	135	0.00
49		Acenaphthylene	1.910	2.075	-8.6	129	0.00
50		Dimethylphthalate	1.512	1.677	-10.9	137	0.00
51		2,6-Dinitrotoluene	0.326	0.371	-13.8	136	0.00
52	C	Acenaphthene	1.103	1.198	-8.6	130	0.00
53		3-Nitroaniline	0.325	0.375	-15.4	137	0.00
54	P	2,4-Dinitrophenol	0.190	0.220	-15.8	145	-0.01
55		Dibenzofuran	1.766	1.944	-10.1	132	0.00
56	P	4-Nitrophenol	0.197	0.214	-8.6	170#	0.00
57		2,4-Dinitrotoluene	0.442	0.512	-15.8	140	0.00
58		Fluorene	1.419	1.544	-8.8	133	0.00
59		2,3,4,6-Tetrachlorophenol	0.404	0.449	-11.1	137	0.00
60		Diethylphthalate	1.491	1.629	-9.3	137	0.00
61		4-Chlorophenyl-phenylether	0.746	0.818	-9.7	135	0.00
62		4-Nitroaniline	0.301	0.342	-13.6	137	0.00
63		Azobenzene	1.389	1.526	-9.9	134	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	139	0.00
65		4,6-Dinitro-2-methylphenol	0.145	0.164	-13.1	142	0.00
66	c	n-Nitrosodiphenylamine	0.643	0.712	-10.7	135	0.00
67		4-Bromophenyl-phenylether	0.247	0.275	-11.3	137	0.00
68		Hexachlorobenzene	0.277	0.299	-7.9	134	0.00
69		Atrazine	0.232	0.254	-9.5	137	0.00
70	C	Pentachlorophenol	0.150	0.170	-13.3	145	0.00
71		Phenanthrene	1.134	1.230	-8.5	136	0.00
72		Anthracene	1.158	1.260	-8.8	134	0.00
73		Carbazole	1.021	1.118	-9.5	137	0.00
74		Di-n-butylphthalate	1.256	1.360	-8.3	137	0.00
75	C	Fluoranthene	1.279	1.371	-7.2	135	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	119	-0.02
77		Benzidine	0.641	1.217	-89.9#	205#	-0.01
78		Pyrene	1.475	1.701	-15.3	132	0.00
79	S	Terphenyl-d14	1.251	1.454	-16.2	133	0.00
80		Butylbenzylphthalate	0.587	0.657	-11.9	120	-0.01
81		Benzo(a)anthracene	1.368	1.538	-12.4	120	-0.02
82		3,3'-Dichlorobenzidine	0.487	0.548	-12.5	118	-0.01
83		Chrysene	1.308	1.444	-10.4	119	-0.02
84		Bis(2-ethylhexyl)phthalate	0.810	0.887	-9.5	114	-0.02
85	c	Di-n-octyl phthalate	1.384	1.538	-11.1	111	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	114	-0.02
87		Indeno(1,2,3-cd)pyrene	1.507	1.710	-13.5	113	-0.04
88		Benzo(b)fluoranthene	1.246	1.361	-9.2	112	-0.01
89		Benzo(k)fluoranthene	1.264	1.388	-9.8	113	-0.02
90	C	Benzo(a)pyrene	1.210	1.340	-10.7	113	-0.02
91		Dibenzo(a,h)anthracene	1.228	1.409	-14.7	114	-0.02
92		Benzo(g,h,i)perylene	1.203	1.367	-13.6	113	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025980.D
Acq On : 15 Oct 2025 22:00
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Quant Time: Oct 15 23:57:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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\BP101525\
Data File : BP025980.D
Acq On : 15 Oct 2025 22:00
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Quant Time: Oct 15 23:57:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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	124	0.00
2		1,4-Dioxane	40.000	41.622	-4.1	115	0.00
3		Pyridine	40.000	44.313	-10.8	122	0.00
4		n-Nitrosodimethylamine	40.000	43.878	-9.7	122	0.00
5	S	2-Fluorophenol	80.000	89.581	-12.0	123	0.00
6		Aniline	40.000	44.183	-10.5	123	0.00
7	S	Phenol-d6	80.000	89.609	-12.0	124	0.00
8		2-Chlorophenol	40.000	44.097	-10.2	123	0.00
9		Benzaldehyde	40.000	77.472	-93.7#	223	0.00
10	C	Phenol	40.000	45.623	-14.1	124	0.00
11		bis(2-Chloroethyl)ether	40.000	44.964	-12.4	124	0.00
12		1,3-Dichlorobenzene	40.000	43.412	-8.5	122	0.00
13	C	1,4-Dichlorobenzene	40.000	43.408	-8.5	122	0.00
14		1,2-Dichlorobenzene	40.000	43.528	-8.8	123	0.00
15		Benzyl Alcohol	40.000	44.429	-11.1	129	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	43.341	-8.4	123	0.00
17		2-Methylphenol	40.000	44.296	-10.7	123	0.00
18		Hexachloroethane	40.000	42.790	-7.0	119	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	45.152	-12.9	128	0.00
20		3+4-Methylphenols	40.000	43.542	-8.9	125	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	126	0.00
22		Acetophenone	40.000	44.850	-12.1	126	0.00
23	S	Nitrobenzene-d5	80.000	90.418	-13.0	126	0.00
24		Nitrobenzene	40.000	45.089	-12.7	125	0.00
25		Isophorone	40.000	44.423	-11.1	129	0.00
26	C	2-Nitrophenol	40.000	46.170	-15.4	127	0.00
27		2,4-Dimethylphenol	40.000	45.389	-13.5	126	0.00
28		bis(2-Chloroethoxy)methane	40.000	44.574	-11.4	126	0.00
29	C	2,4-Dichlorophenol	40.000	45.494	-13.7	128	-0.01
30		1,2,4-Trichlorobenzene	40.000	44.019	-10.0	124	0.00
31		Naphthalene	40.000	43.845	-9.6	125	0.00
32		Benzoic acid	40.000	46.128	-15.3	140	0.01
33		4-Chloroaniline	40.000	45.149	-12.9	127	0.00
34	C	Hexachlorobutadiene	40.000	44.545	-11.4	127	0.00
35		Caprolactam	40.000	43.975	-9.9	136	0.00
36	C	4-Chloro-3-methylphenol	40.000	45.334	-13.3	133	0.00
37		2-Methylnaphthalene	40.000	44.810	-12.0	132	0.00
38		1-Methylnaphthalene	40.000	43.463	-8.7	128	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	132	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	44.570	-11.4	128	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.056	-10.1	139	0.00
42	S	2,4,6-Tribromophenol	80.000	92.839	-16.0	142	0.00
43	C	2,4,6-Trichlorophenol	40.000	46.271	-15.7	133	0.00
44		2,4,5-Trichlorophenol	40.000	45.855	-14.6	132	0.00
45	S	2-Fluorobiphenyl	80.000	86.437	-8.0	126	0.00
46		1,1'-Biphenyl	40.000	43.646	-9.1	128	0.00
47		2-Chloronaphthalene	40.000	44.001	-10.0	129	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025980.D
Acq On : 15 Oct 2025 22:00
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Quant Time: Oct 15 23:57:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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	46.185	-15.5	135	0.00
49		Acenaphthylene	40.000	43.446	-8.6	129	0.00
50		Dimethylphthalate	40.000	44.364	-10.9	137	0.00
51		2,6-Dinitrotoluene	40.000	45.449	-13.6	136	0.00
52	C	Acenaphthene	40.000	43.439	-8.6	130	0.00
53		3-Nitroaniline	40.000	46.099	-15.2	137	0.00
54	P	2,4-Dinitrophenol	40.000	42.362	-5.9	145	-0.01
55		Dibenzofuran	40.000	44.034	-10.1	132	0.00
56	P	4-Nitrophenol	40.000	43.329	-8.3	170	0.00
57		2,4-Dinitrotoluene	40.000	46.324	-15.8	140	0.00
58		Fluorene	40.000	43.531	-8.8	133	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.433	-11.1	137	0.00
60		Diethylphthalate	40.000	43.724	-9.3	137	0.00
61		4-Chlorophenyl-phenylether	40.000	43.871	-9.7	135	0.00
62		4-Nitroaniline	40.000	45.415	-13.5	137	0.00
63		Azobenzene	40.000	43.941	-9.9	134	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	139	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.447	-13.6	142	0.00
66	c	n-Nitrosodiphenylamine	40.000	44.276	-10.7	135	0.00
67		4-Bromophenyl-phenylether	40.000	44.556	-11.4	137	0.00
68		Hexachlorobenzene	40.000	43.170	-7.9	134	0.00
69		Atrazine	40.000	43.786	-9.5	137	0.00
70	C	Pentachlorophenol	40.000	45.417	-13.5	145	0.00
71		Phenanthrene	40.000	43.390	-8.5	136	0.00
72		Anthracene	40.000	43.528	-8.8	134	0.00
73		Carbazole	40.000	43.819	-9.5	137	0.00
74		Di-n-butylphthalate	40.000	43.308	-8.3	137	0.00
75	C	Fluoranthene	40.000	42.900	-7.2	135	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	119	-0.02
77		Benzidine	40.000	75.957	-89.9#	205	-0.01
78		Pyrene	40.000	46.135	-15.3	132	0.00
79	S	Terphenyl-d14	80.000	92.957	-16.2	133	0.00
80		Butylbenzylphthalate	40.000	44.744	-11.9	120	-0.01
81		Benzo(a)anthracene	40.000	44.962	-12.4	120	-0.02
82		3,3'-Dichlorobenzidine	40.000	45.012	-12.5	118	-0.01
83		Chrysene	40.000	44.171	-10.4	119	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	43.783	-9.5	114	-0.02
85	c	Di-n-octyl phthalate	40.000	44.465	-11.2	111	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	114	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	45.413	-13.5	113	-0.04
88		Benzo(b)fluoranthene	40.000	43.710	-9.3	112	-0.01
89		Benzo(k)fluoranthene	40.000	43.909	-9.8	113	-0.02
90	C	Benzo(a)pyrene	40.000	44.283	-10.7	113	-0.02
91		Dibenzo(a,h)anthracene	40.000	45.881	-14.7	114	-0.02
92		Benzo(g,h,i)perylene	40.000	45.433	-13.6	113	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025980.D
Acq On : 15 Oct 2025 22:00
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP101525

Quant Time: Oct 15 23:57:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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:	ICES02		
Lab Code:	ACE	SDG No.:	Q3399		
Instrument ID:	BNA_P	Calibration Date/Time:	10/22/2025	16:33	
Lab File ID:	BP026001.D	Init. Calib. Date(s):	10/15/2025	10/15/2025	
EPA Sample No.:	SSTDCCC040	Init. Calib. Time(s):	11:45	18:35	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.348	1.524		13.1	
2-Fluorophenol	1.220	1.344		10.2	
Phenol-d6	1.702	1.935		13.7	
1,4-Dichlorobenzene	1.597	1.740		9.0	20.0
2-Methylphenol	1.232	1.388		12.7	
3+4-Methylphenols	1.717	1.935		12.7	
Nitrobenzene-d5	0.445	0.505		13.5	
Hexachloroethane	0.609	0.669		9.9	
Nitrobenzene	0.396	0.457		15.4	
Hexachlorobutadiene	0.242	0.260		7.4	20.0
2,4,6-Trichlorophenol	0.413	0.465		12.6	20.0
2-Fluorobiphenyl	1.560	1.659		6.3	
2,4,5-Trichlorophenol	0.450	0.510		13.3	
2,4-Dinitrotoluene	0.442	0.512		15.8	
2,4,6-Tribromophenol	0.269	0.287		6.7	
Hexachlorobenzene	0.277	0.291		5.1	
Pentachlorophenol	0.150	0.170		13.3	20.0
Terphenyl-d14	1.251	1.544		23.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026001.D
Acq On : 22 Oct 2025 16:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 22 16:53:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/23/2025
Supervised By :Jagrut Upadhyay

10/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.696	152	168370	20.000	ng		0.00
21) Naphthalene-d8	10.466	136	761230	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	536314	20.000	ng		0.00
64) Phenanthrene-d10	17.136	188	1039537	20.000	ng		0.02
76) Chrysene-d12	21.589	240	757701	20.000	ng		0.00
86) Perylene-d12	24.942	264	741579	20.000	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.337	112	904825	88.109	ng		0.00
7) Phenol-d6	6.901	99	1302952	90.917	ng		0.00
23) Nitrobenzene-d5	8.848	82	1537372	90.776	ng		0.00
42) 2,4,6-Tribromophenol	15.854	330	616637	85.406	ng		0.01
45) 2-Fluorobiphenyl	12.925	172	3558975	85.056	ng		0.00
79) Terphenyl-d14	19.860	244	4678914	98.690	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.249	88	175810	43.220	ng		94
3) Pyridine	3.655	79	513303	45.219	ng		94
4) n-Nitrosodimethylamine	3.560	42	251977	50.652	ng		87
6) Aniline	7.037	93	863838	45.024	ng		96
8) 2-Chlorophenol	7.278	128	528131	44.376	ng		96
9) Benzaldehyde	6.860	77	358442	46.870	ng		99
10) Phenol	6.931	94	665345	45.982	ng		96
11) bis(2-Chloroethyl)ether	7.125	93	549717	46.593	ng		94
12) 1,3-Dichlorobenzene	7.590	146	575818	43.640	ng		100
13) 1,4-Dichlorobenzene	7.731	146	585765	43.572	ng		99
14) 1,2-Dichlorobenzene	8.043	146	569143	43.277	ng		100
15) Benzyl Alcohol	7.948	79	562363	46.103	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.219	45	917366	50.492	ng		97
17) 2-Methylphenol	8.160	107	467509	45.077	ng		98
18) Hexachloroethane	8.754	117	225179	43.894	ng		97
19) n-Nitroso-di-n-propyla...	8.495	70	503251	49.259	ng		95
20) 3+4-Methylphenols	8.490	107	651659	45.095	ng		97
22) Acetophenone	8.519	105	923061	44.603	ng	#	97
24) Nitrobenzene	8.890	77	695559	46.184	ng		98
25) Isophorone	9.413	82	1402059	46.094	ng		99
26) 2-Nitrophenol	9.595	139	328795	45.080	ng		95
27) 2,4-Dimethylphenol	9.660	122	561034	45.393	ng		97
28) bis(2-Chloroethoxy)met...	9.878	93	815207	45.815	ng		99
29) 2,4-Dichlorophenol	10.154	162	559713	45.449	ng		97
30) 1,2,4-Trichlorobenzene	10.325	180	602203	43.193	ng		98
31) Naphthalene	10.513	128	1786444	43.504	ng		100
32) Benzoic acid	9.901	122	408022	45.557	ng		98
33) 4-Chloroaniline	10.637	127	800264	45.890	ng		99
34) Hexachlorobutadiene	10.789	225	396441	42.965	ng		99
35) Caprolactam	11.460	113	197213	45.000	ng		87
36) 4-Chloro-3-methylphenol	11.784	107	683092	47.245	ng		96
37) 2-Methylnaphthalene	12.125	142	1200347	44.646	ng		98
38) 1-Methylnaphthalene	12.348	142	1272764	44.881	ng		99
40) 1,2,4,5-Tetrachloroben...	12.501	216	736354	42.164	ng		99
41) Hexachlorocyclopentadiene	12.472	237	346284	36.760	ng		99
43) 2,4,6-Trichlorophenol	12.760	196	498985	45.015	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026001.D
Acq On : 22 Oct 2025 16:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 22 16:53:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/23/2025

Supervised By :Jagrut Upadhyay

10/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.854	196	547434	45.352	ng		96
46) 1,1'-Biphenyl	13.142	154	1751427	43.232	ng		100
47) 2-Chloronaphthalene	13.189	162	1368377	43.198	ng		99
48) 2-Nitroaniline	13.413	65	471360	47.744	ng		97
49) Acenaphthylene	14.042	152	2233731	43.612	ng		99
50) Dimethylphthalate	13.783	163	1796416	44.315	ng		99
51) 2,6-Dinitrotoluene	13.907	165	390477	44.613	ng		98
52) Acenaphthene	14.383	154	1296580	43.839	ng		99
53) 3-Nitroaniline	14.254	138	396023	45.428	ng		98
54) 2,4-Dinitrophenol	14.489	184	230025	41.482	ng		96
55) Dibenzofuran	14.725	168	2058963	43.476	ng		96
56) 4-Nitrophenol	14.642	139	197339	37.327	ng		94
57) 2,4-Dinitrotoluene	14.725	165	548877	46.281	ng	#	87
58) Fluorene	15.389	166	1681389	44.185	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.972	232	480012	44.318	ng		97
60) Diethylphthalate	15.166	149	1815409	45.420	ng		99
61) 4-Chlorophenyl-phenyle...	15.383	204	874006	43.677	ng		98
62) 4-Nitroaniline	15.448	138	370559	45.874	ng		95
63) Azobenzene	15.683	77	1749131	46.950	ng		97
65) 4,6-Dinitro-2-methylph...	15.507	198	341328	45.430	ng		92
66) n-Nitrosodiphenylamine	15.613	169	1483720	44.362	ng		100
67) 4-Bromophenyl-phenylether	16.301	248	555290	43.278	ng		95
68) Hexachlorobenzene	16.424	284	605671	42.078	ng		97
69) Atrazine	16.601	200	536134	44.435	ng		98
70) Pentachlorophenol	16.795	266	353622	45.506	ng		97
71) Phenanthrene	17.183	178	2613212	44.354	ng		99
72) Anthracene	17.277	178	2658211	44.169	ng		100
73) Carbazole	17.566	167	2345812	44.216	ng		99
74) Di-n-butylphthalate	18.136	149	2875174	44.036	ng		100
75) Fluoranthene	19.271	202	2792843	42.024	ng		99
77) Benzidine	19.483	184	572952	23.600	ng		99
78) Pyrene	19.648	202	2831964	50.675	ng		100
80) Butylbenzylphthalate	20.589	149	1012271	45.518	ng		95
81) Benzo(a)anthracene	21.571	228	2314336	44.659	ng		99
82) 3,3'-Dichlorobenzidine	21.489	252	774735	42.010	ng		98
83) Chrysene	21.636	228	2171762	43.829	ng		100
84) Bis(2-ethylhexyl)phtha...	21.483	149	1317574	42.915	ng		99
85) Di-n-octyl phthalate	22.748	149	2201279	41.990	ng		98
87) Indeno(1,2,3-cd)pyrene	28.747	276	2586621	46.304	ng		99
88) Benzo(b)fluoranthene	23.859	252	2048187	44.347	ng		99
89) Benzo(k)fluoranthene	23.936	252	2119126	45.211	ng		99
90) Benzo(a)pyrene	24.771	252	2030494	45.248	ng		100
91) Dibenzo(a,h)anthracene	28.800	278	2095859	46.025	ng		99
92) Benzo(g,h,i)perylene	29.936	276	2114773m	47.397	ng		

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026001.D
Acq On : 22 Oct 2025 16:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 22 16:53:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

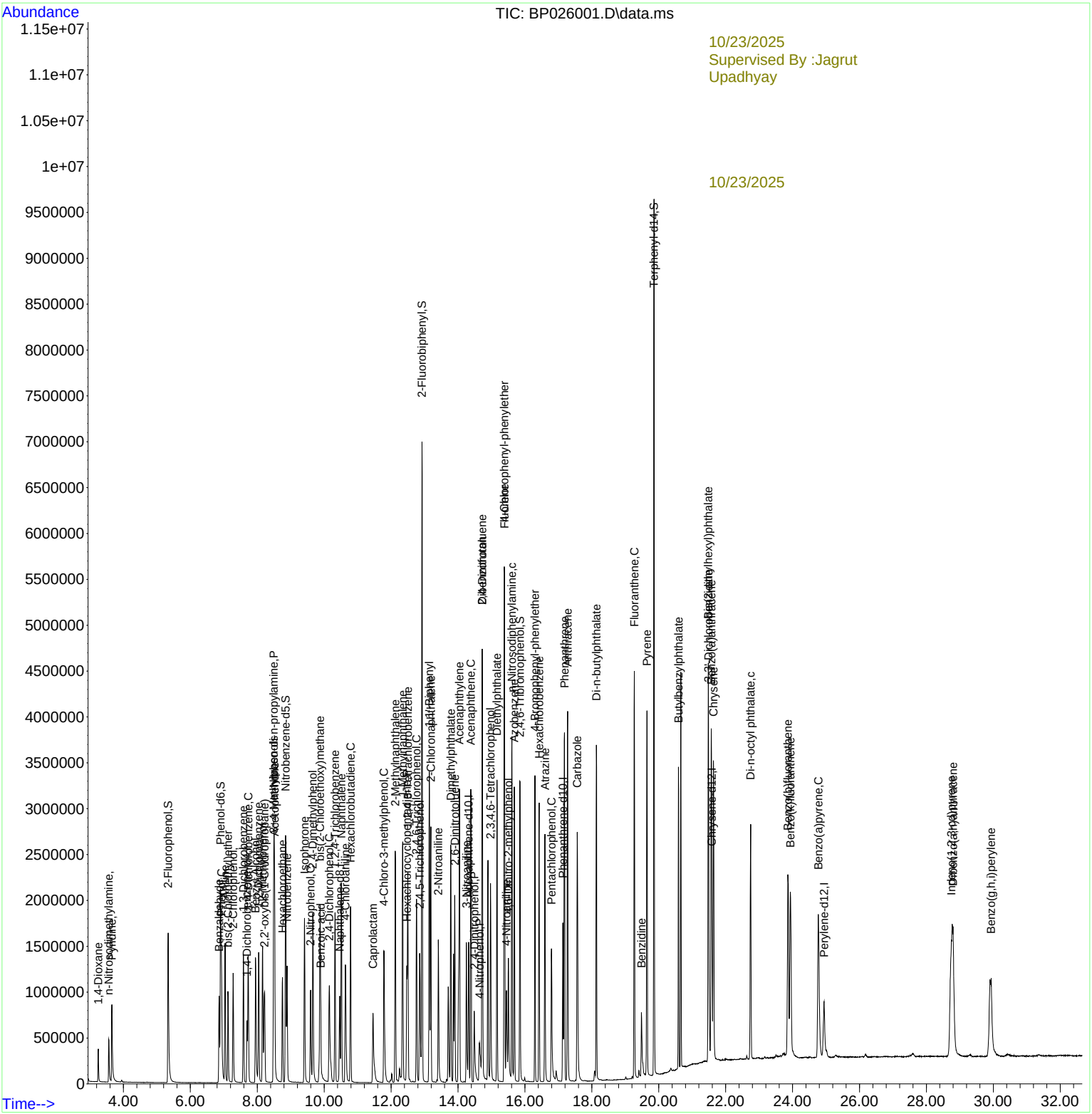
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

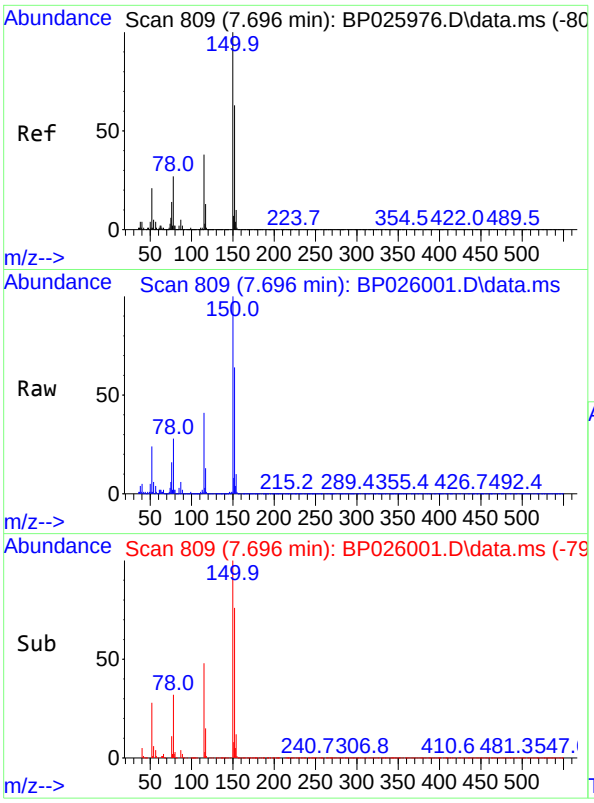
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/23/2025
Supervised By :Jagrut Upadhyay

10/23/2025

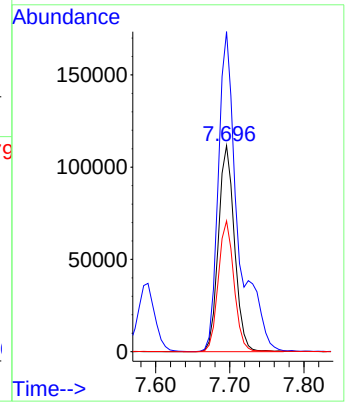




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.696 min Scan# 8(
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:152 Resp: 16837(

Ion	Ratio	Lower	Upper
152	100		
150	155.3	127.3	190.9
115	63.5	48.7	73.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

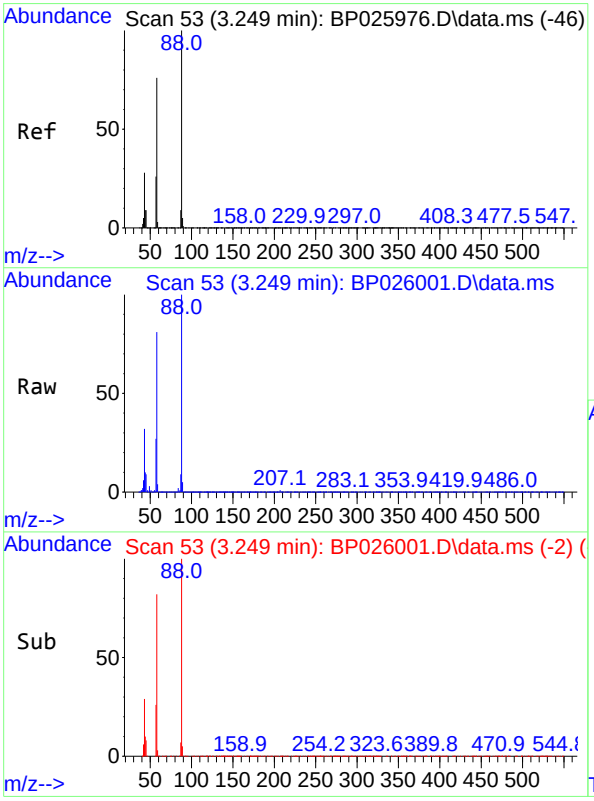
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/23/2025

Supervised By :Jagrut Upadhyay

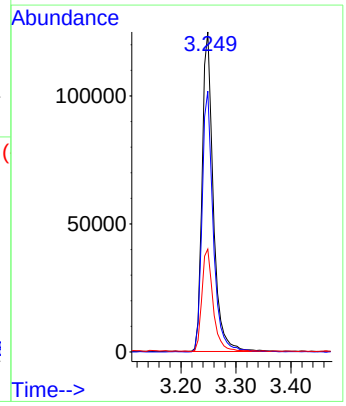
10/23/2025

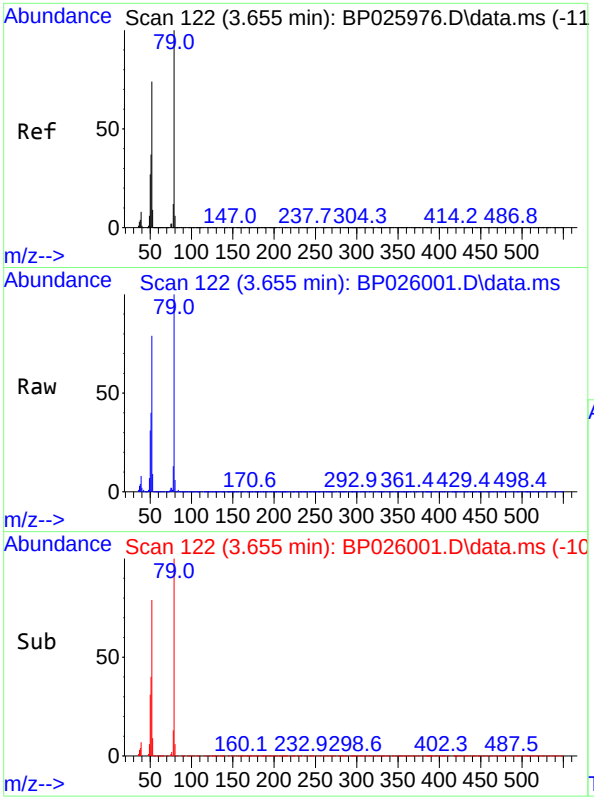


#2
1,4-Dioxane
Concen: 43.220 ng
RT: 3.249 min Scan# 53
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 88 Resp: 175810

Ion	Ratio	Lower	Upper
88	100		
58	82.2	61.9	92.9
43	32.4	22.6	33.8

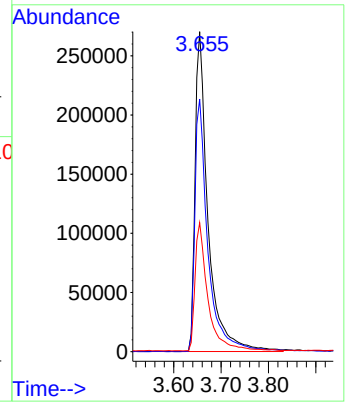




#3
Pyridine
Concen: 45.219 ng
RT: 3.655 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 79 Resp: 51330

Ion	Ratio	Lower	Upper
79	100		
52	78.9	59.0	88.4
51	40.3	29.5	44.3



Instrument :
BNA_P
ClientSampleId :
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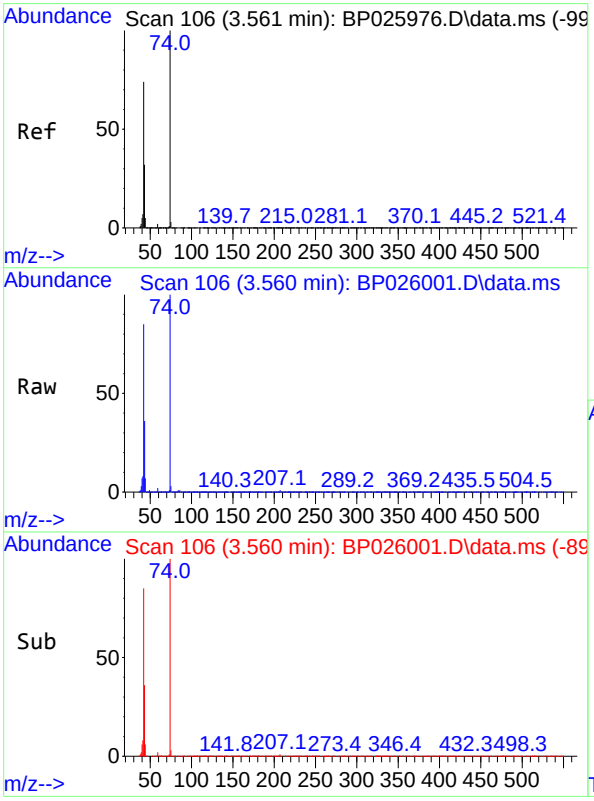
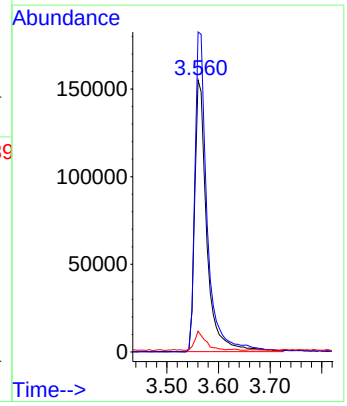


#4
n-Nitrosodimethylamine
Concen: 50.652 ng
RT: 3.560 min Scan# 106
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 42 Resp: 251977

Ion	Ratio	Lower	Upper
42	100		
74	117.6	107.4	161.0
44	7.7	6.0	9.0



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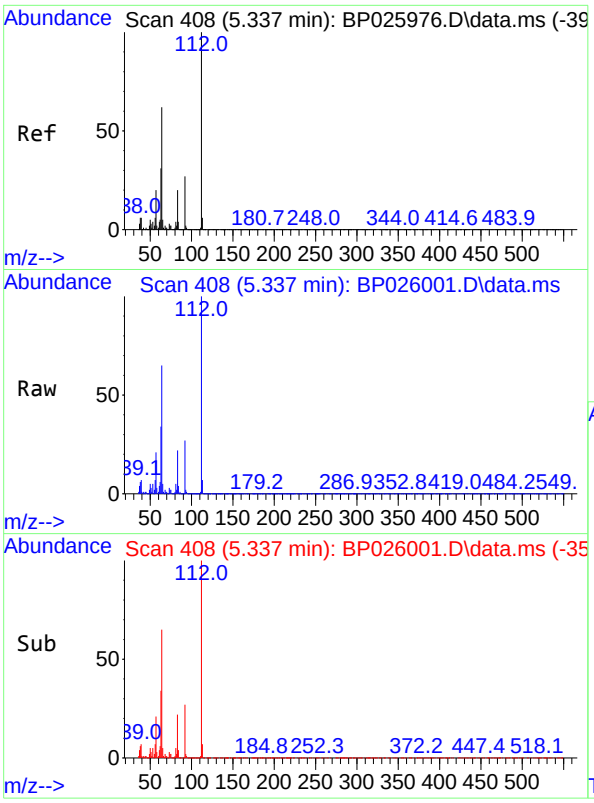
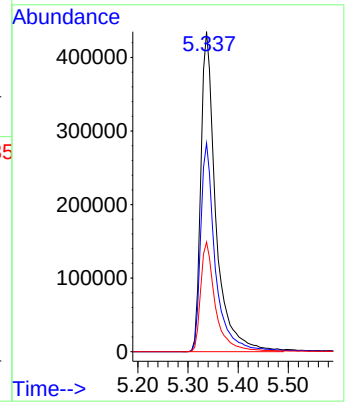


#5
2-Fluorophenol
Concen: 88.109 ng
RT: 5.337 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:112 Resp: 90482

Ion	Ratio	Lower	Upper
112	100		
64	65.1	49.9	74.9
63	34.3	24.9	37.3



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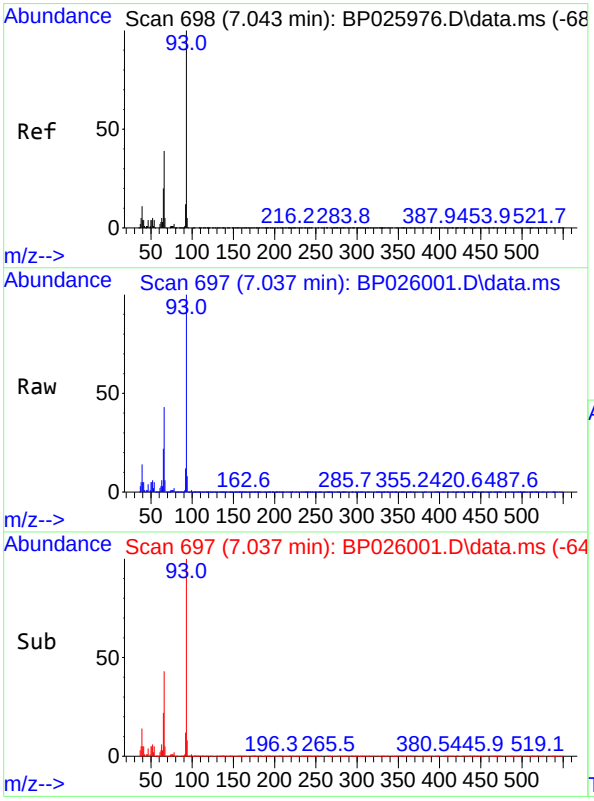
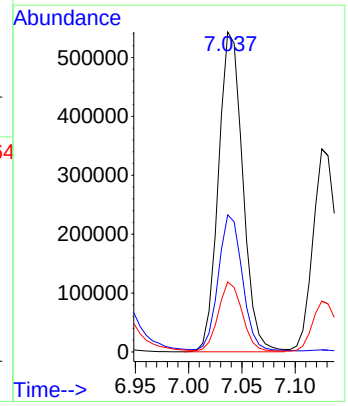
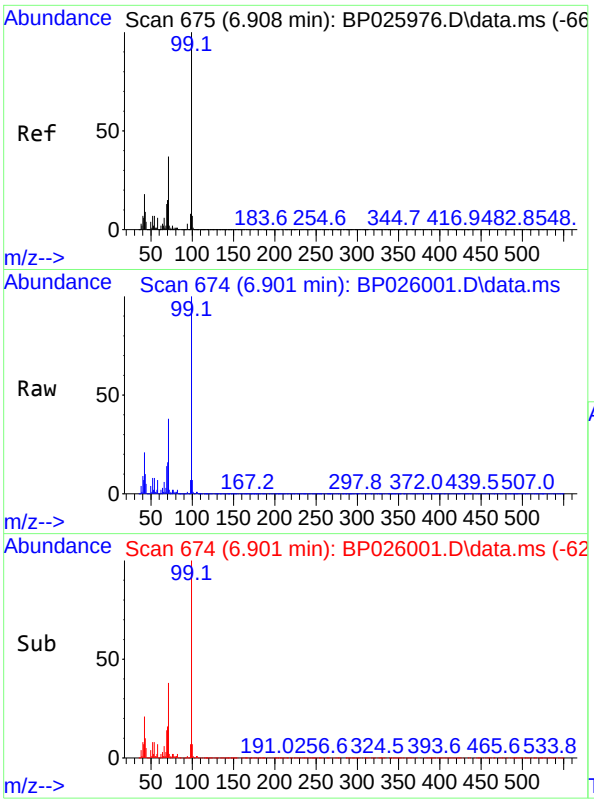


#6
Aniline
Concen: 45.024 ng
RT: 7.037 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 93 Resp: 863838

Ion	Ratio	Lower	Upper
93	100		
66	42.9	31.8	47.8
65	21.9	16.3	24.5

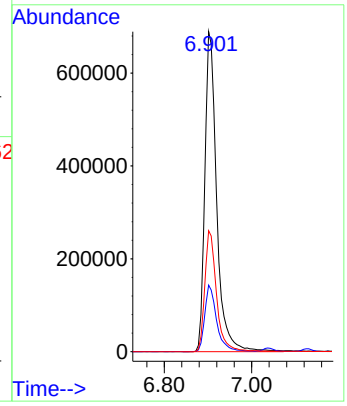




#7
Phenol-d6
Concen: 90.917 ng
RT: 6.901 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 99 Resp: 130295

Ion	Ratio	Lower	Upper
99	100		
42	20.8	14.2	21.4
71	37.8	29.4	44.0



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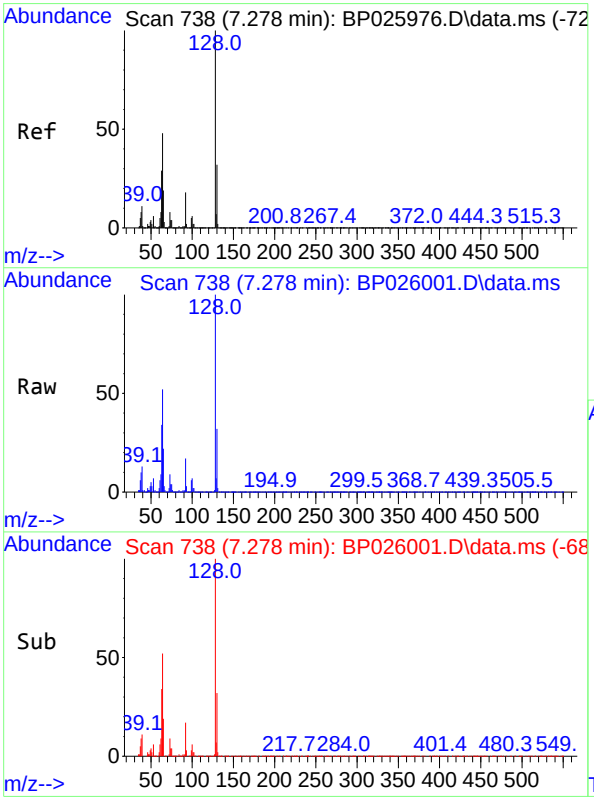
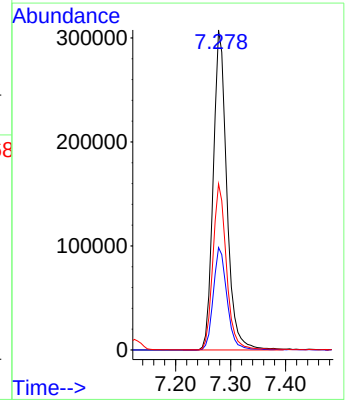
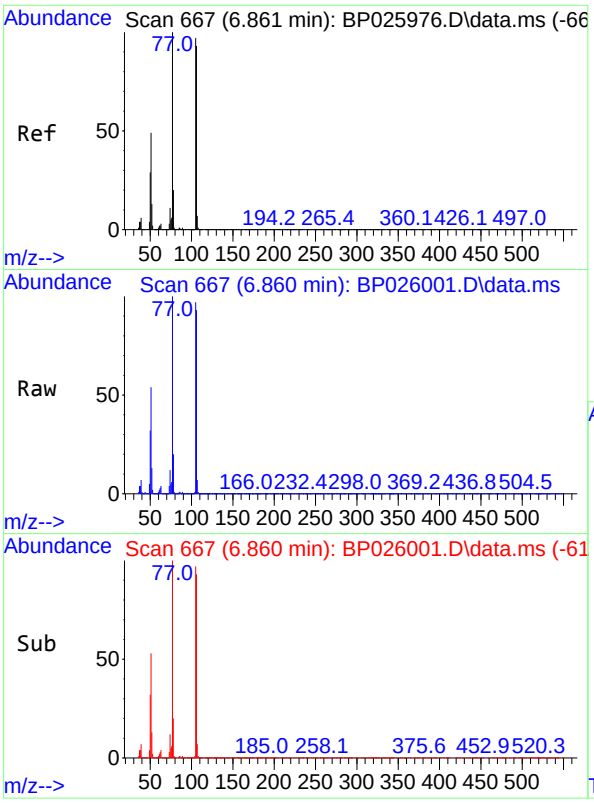


#8
2-Chlorophenol
Concen: 44.376 ng
RT: 7.278 min Scan# 738
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:128 Resp: 528131

Ion	Ratio	Lower	Upper
128	100		
130	32.0	11.8	51.8
64	51.9	28.0	68.0

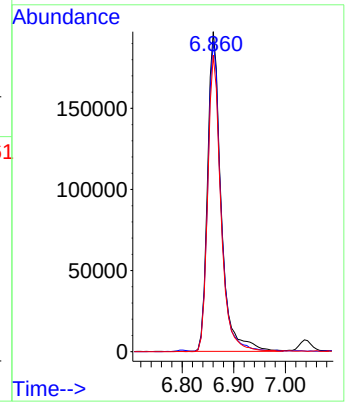




#9
Benzaldehyde
Concen: 46.870 ng
RT: 6.860 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 77 Resp: 35844

Ion	Ratio	Lower	Upper
77	100		
105	97.0	76.6	116.6
106	92.6	73.2	113.2



Instrument :
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ClientSampleId :
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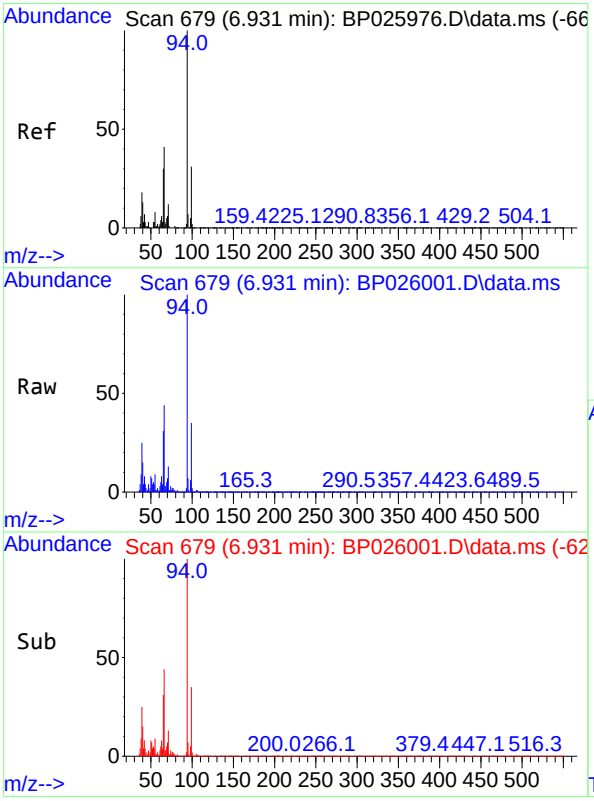
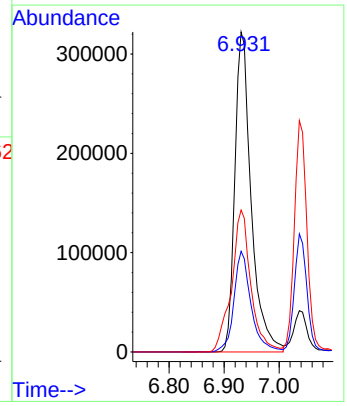
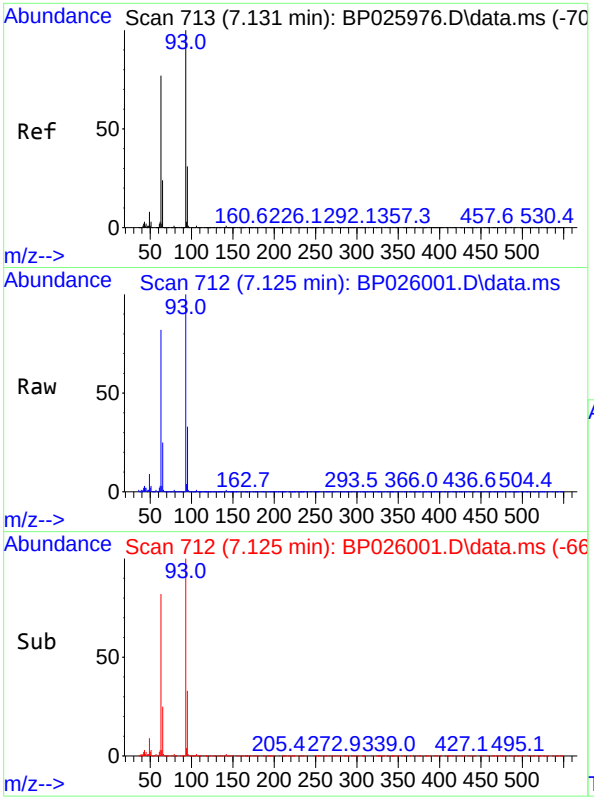


#10
Phenol
Concen: 45.982 ng
RT: 6.931 min Scan# 679
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 94 Resp: 665345

Ion	Ratio	Lower	Upper
94	100		
65	31.5	9.8	49.8
66	44.4	21.4	61.4

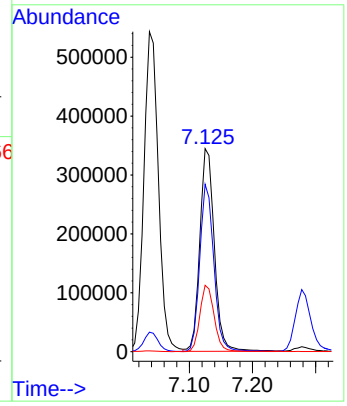




#11
bis(2-Chloroethyl)ether
Concen: 46.593 ng
RT: 7.125 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 93 Resp: 54971

Ion	Ratio	Lower	Upper
93	100		
63	82.4	56.6	96.6
95	32.7	11.3	51.3



Instrument :
BNA_P
ClientSampleId :
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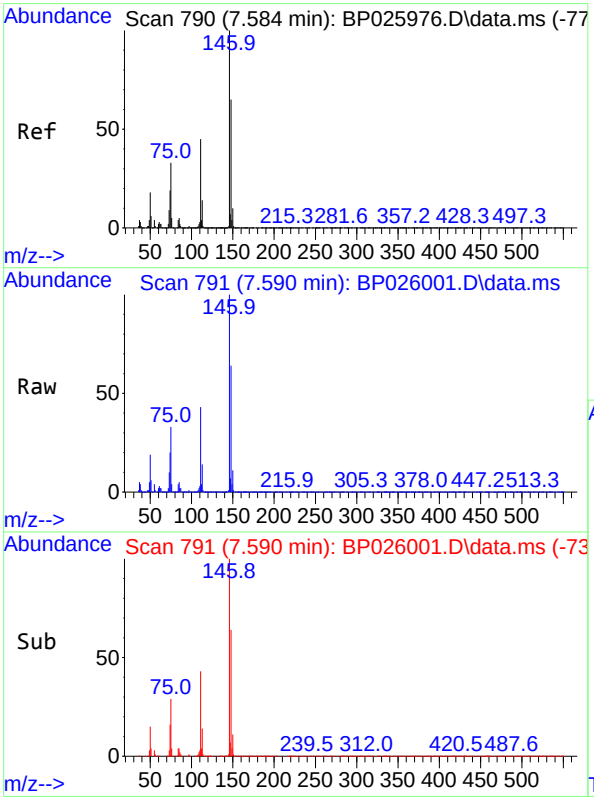
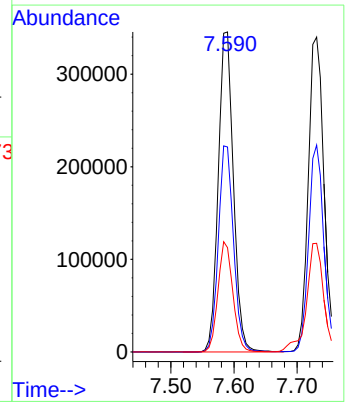
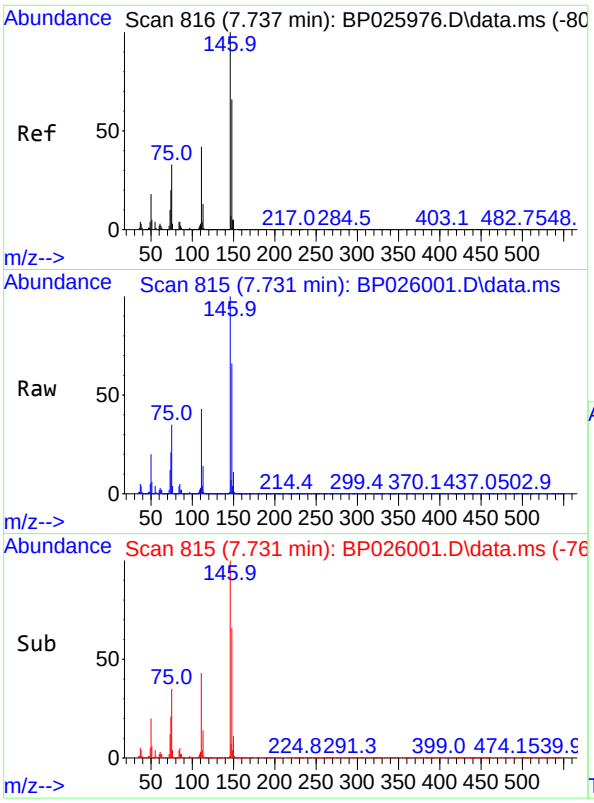


#12
1,3-Dichlorobenzene
Concen: 43.640 ng
RT: 7.590 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:146 Resp: 575818

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.7	77.5
75	32.6	26.1	39.1

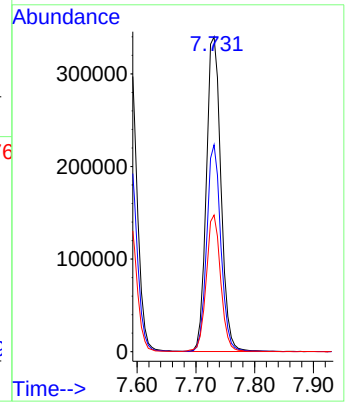




#13
1,4-Dichlorobenzene
Concen: 43.572 ng
RT: 7.731 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:146 Resp: 58576

Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.7	79.1
111	43.4	34.0	51.0



Instrument :
BNA_P
ClientSampleId :
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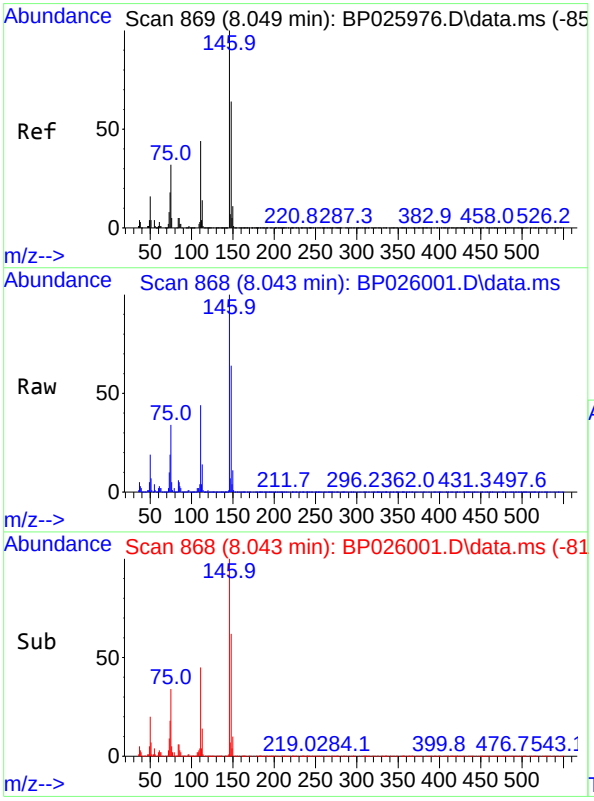
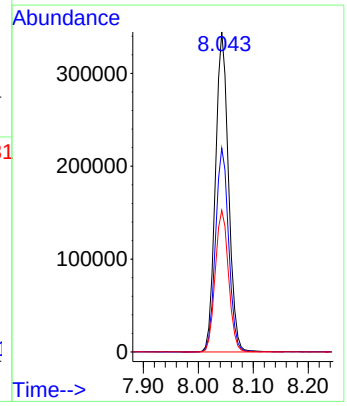
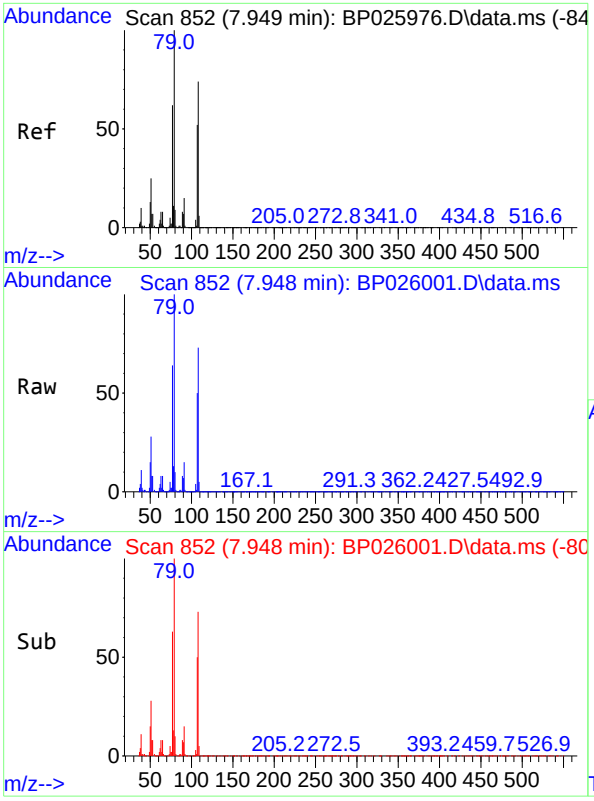


#14
1,2-Dichlorobenzene
Concen: 43.277 ng
RT: 8.043 min Scan# 868
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:146 Resp: 569143

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
111	44.3	35.3	52.9





#15
Benzyl Alcohol
Concen: 46.103 ng
RT: 7.948 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 79 Resp: 56236

Ion	Ratio	Lower	Upper
79	100		
108	73.0	59.2	88.8
77	63.6	49.3	73.9

Instrument :
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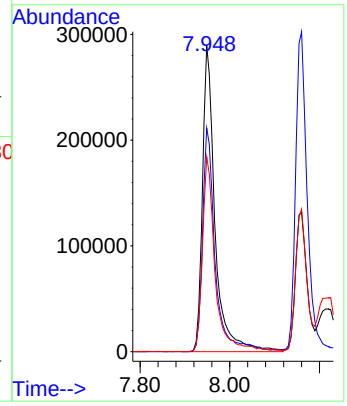
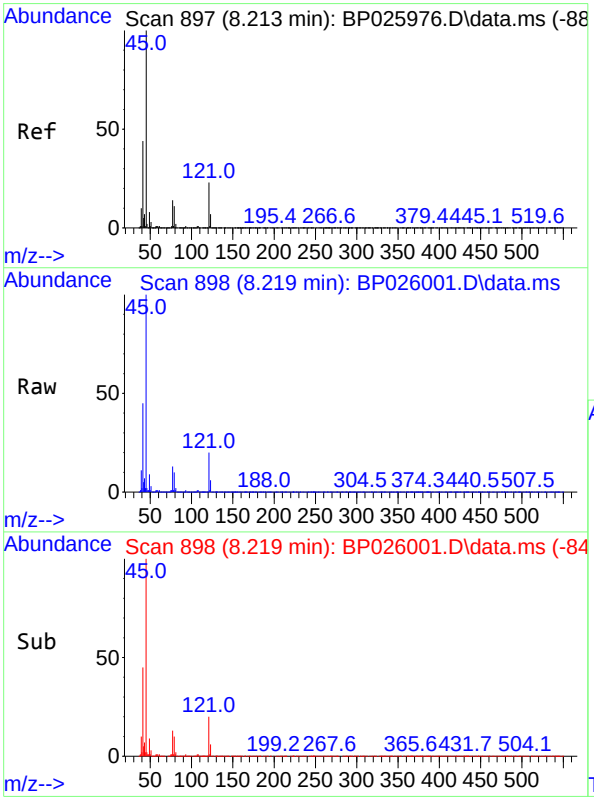
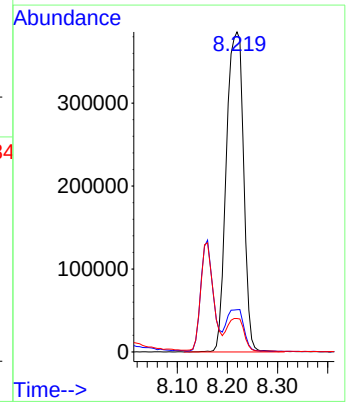


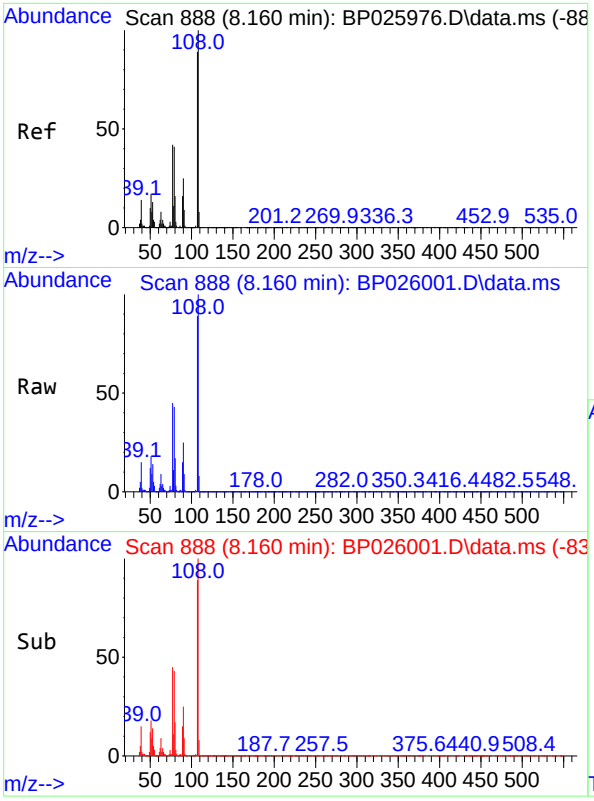


#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.492 ng
RT: 8.219 min Scan# 898
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 45 Resp: 917366

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	34.3
79	10.5	0.0	31.5

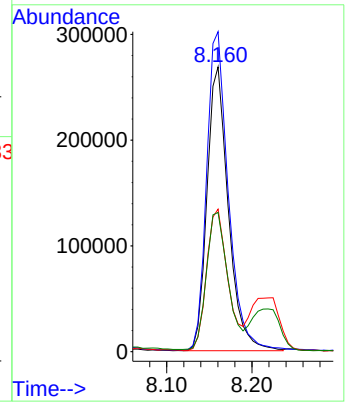




#17
2-Methylphenol
Concen: 45.077 ng
RT: 8.160 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:107 Resp: 46750

Ion	Ratio	Lower	Upper
107	100		
108	112.4	89.5	134.3
77	50.1	38.1	57.1
79	48.9	37.4	56.2



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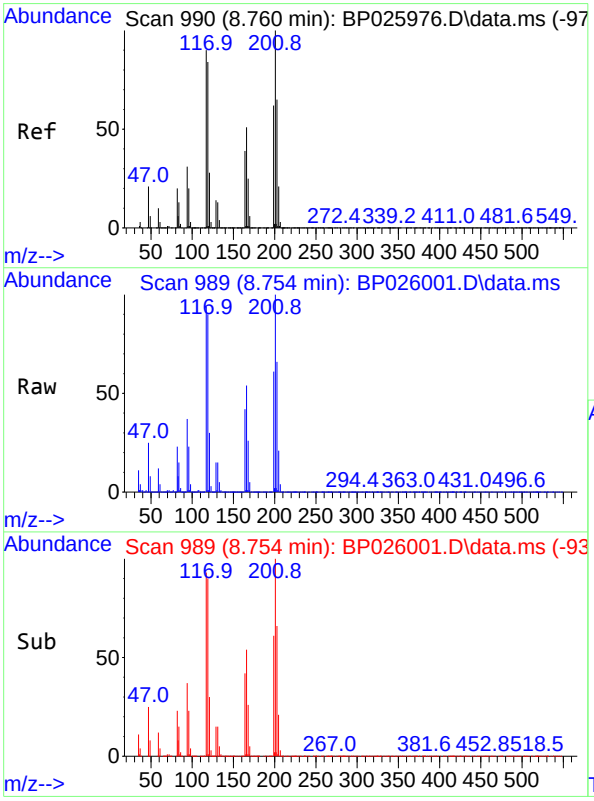
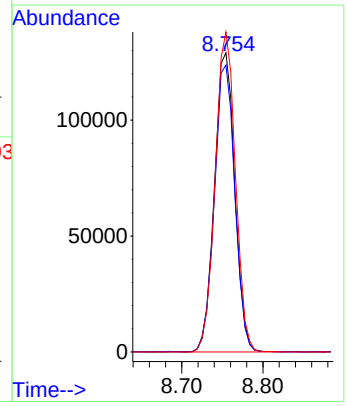
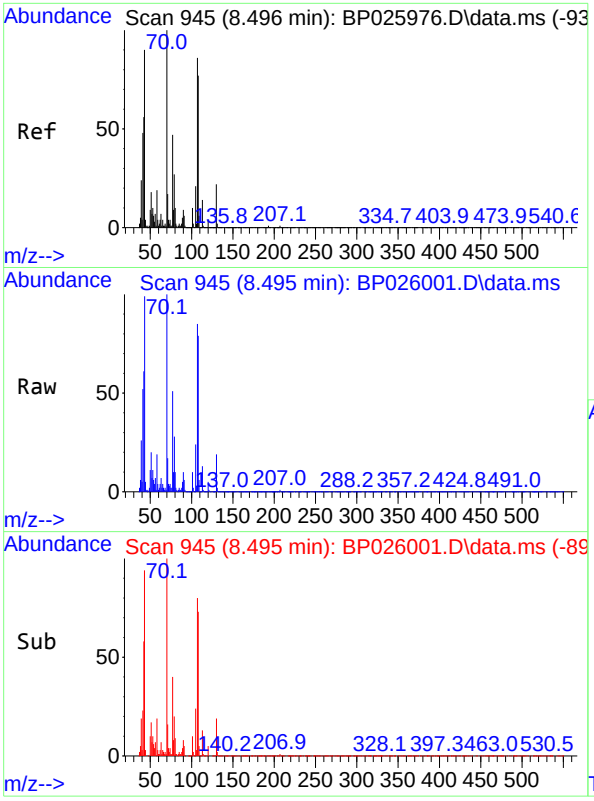


#18
Hexachloroethane
Concen: 43.894 ng
RT: 8.754 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:117 Resp: 225179

Ion	Ratio	Lower	Upper
117	100		
119	95.9	74.6	112.0
201	106.9	88.6	133.0

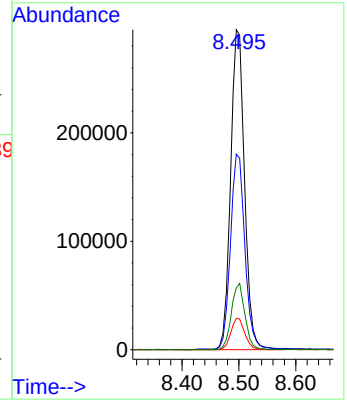




#19
n-Nitroso-di-n-propylamine
Concen: 49.259 ng
RT: 8.495 min Scan# 94
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 70 Resp: 50325

Ion	Ratio	Lower	Upper
70	100		
42	61.1	45.2	67.8
101	9.8	7.9	11.9
130	19.3	17.3	25.9



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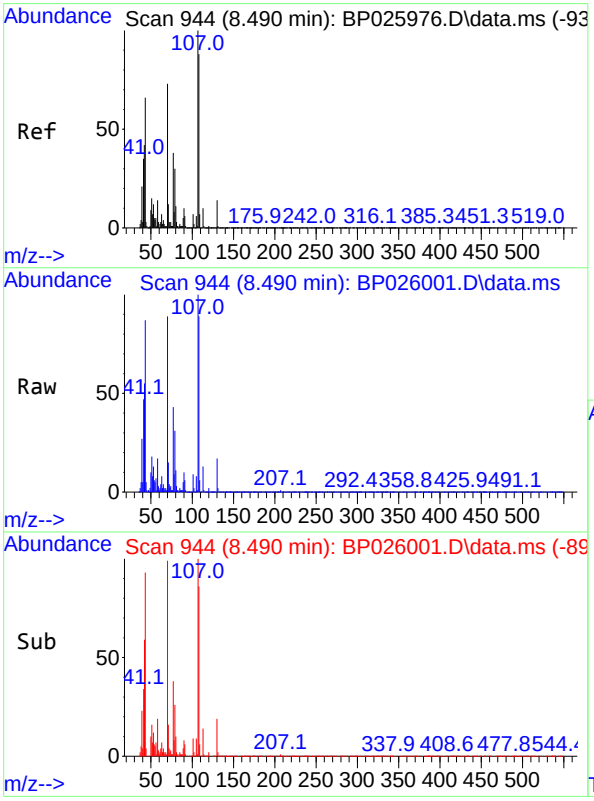
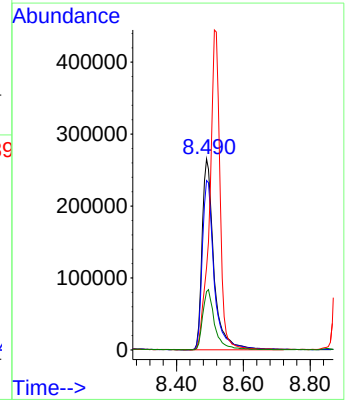
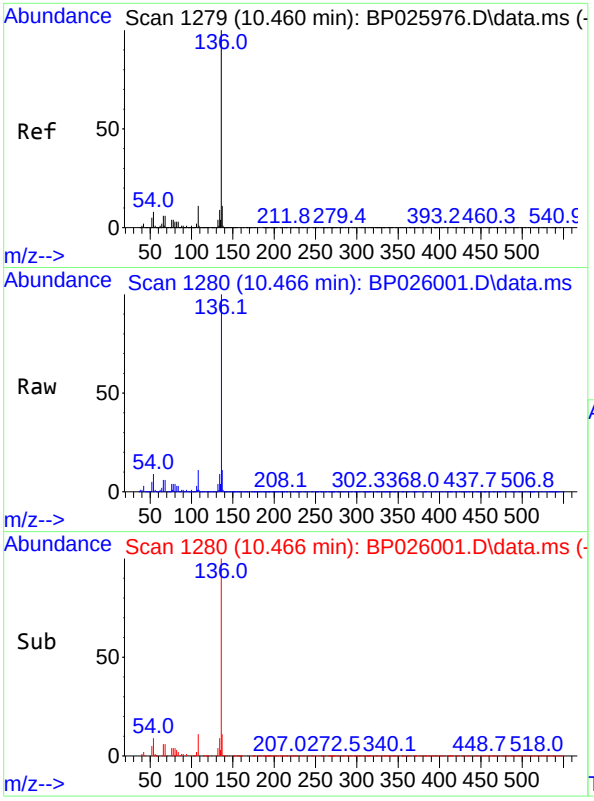


#20
3+4-Methylphenols
Concen: 45.095 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:107 Resp: 651659

Ion	Ratio	Lower	Upper
107	100		
108	88.7	67.8	107.8
77	43.1	18.5	58.5
79	30.6	9.7	49.7

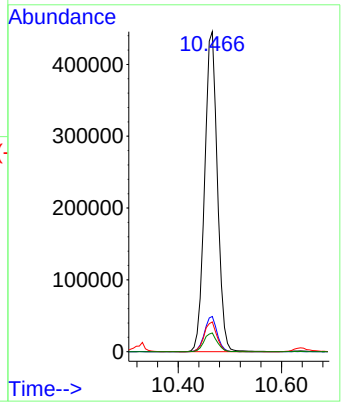




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.466 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:136 Resp: 76123

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.3	6.8	10.2
68	5.9	4.5	6.7



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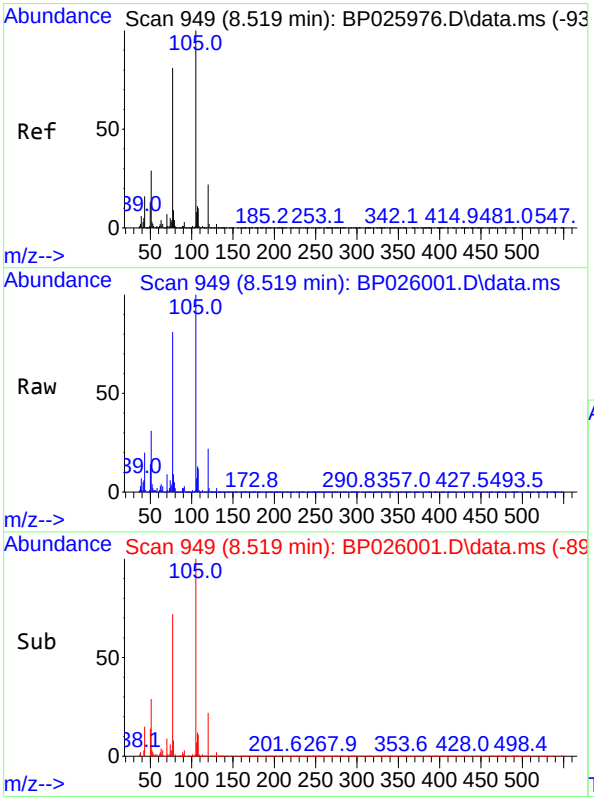
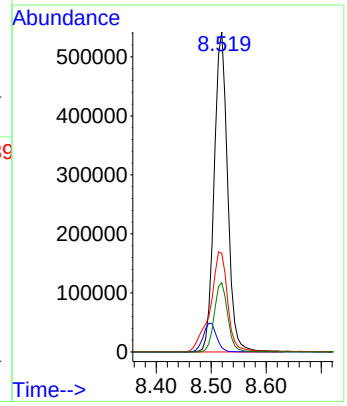
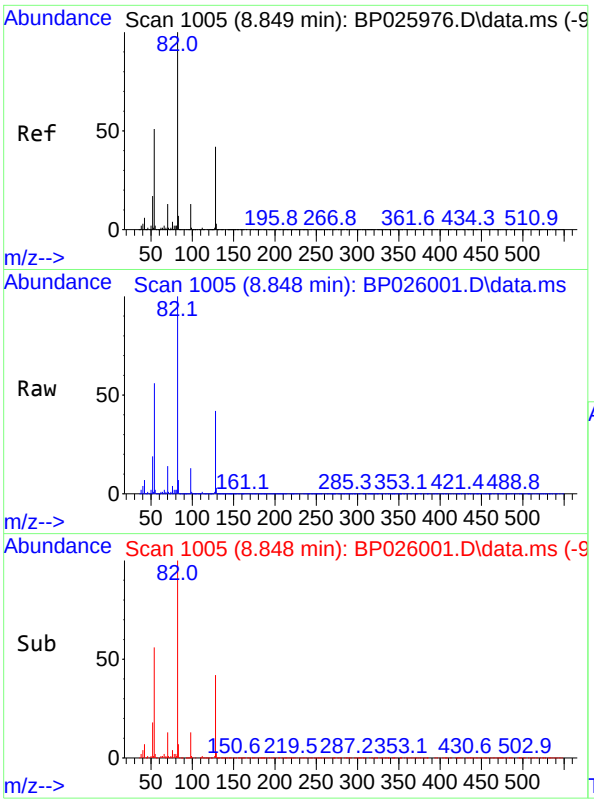


#22
Acetophenone
Concen: 44.603 ng
RT: 8.519 min Scan# 949
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:105 Resp: 923061

Ion	Ratio	Lower	Upper
105	100		
71	1.4	0.9	1.3#
51	30.9	23.0	34.4
120	21.7	17.8	26.6





#23
Nitrobenzene-d5
Concen: 90.776 ng
RT: 8.848 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 82 Resp: 153737

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.6	50.4
54	56.1	40.6	61.0

Instrument :
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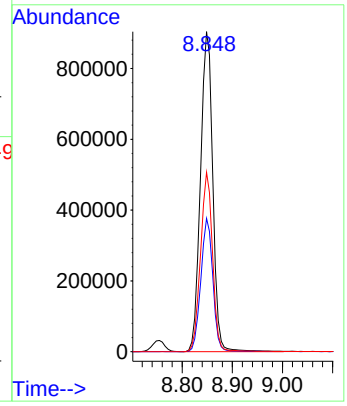
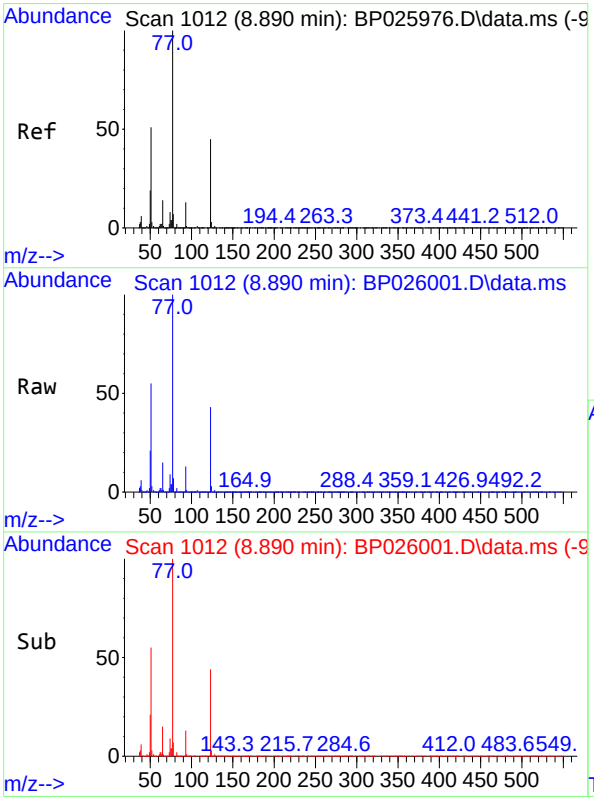
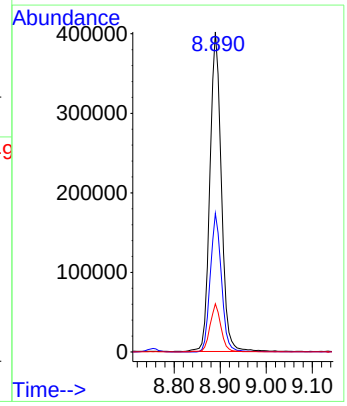


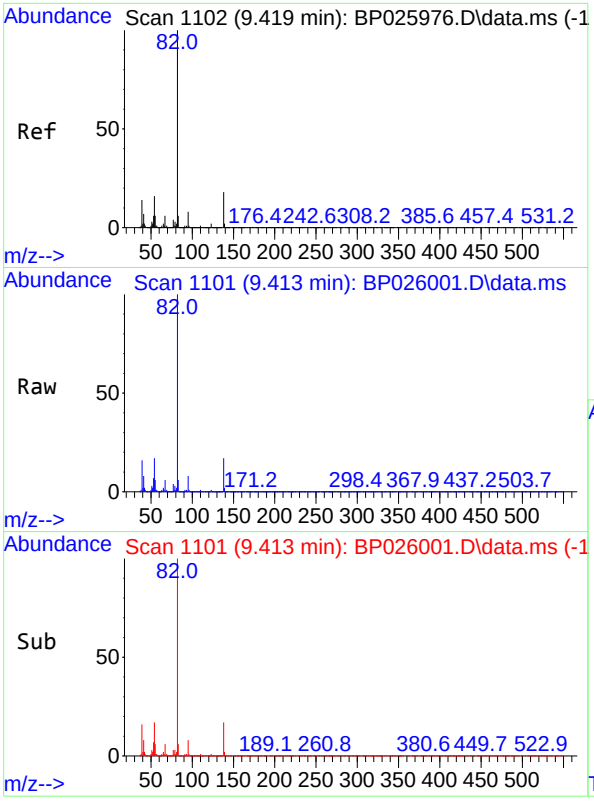


#24
Nitrobenzene
Concen: 46.184 ng
RT: 8.890 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 77 Resp: 695559

Ion	Ratio	Lower	Upper
77	100		
123	43.3	35.6	53.4
65	15.1	11.1	16.7

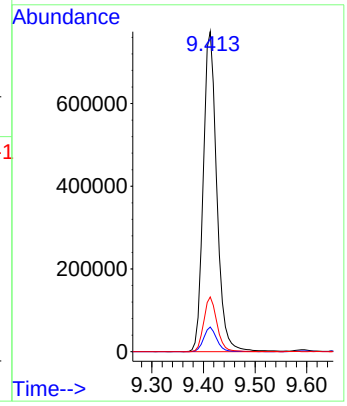




#25
Isophorone
Concen: 46.094 ng
RT: 9.413 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 82 Resp: 140205

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.1	9.1
138	17.1	14.2	21.2



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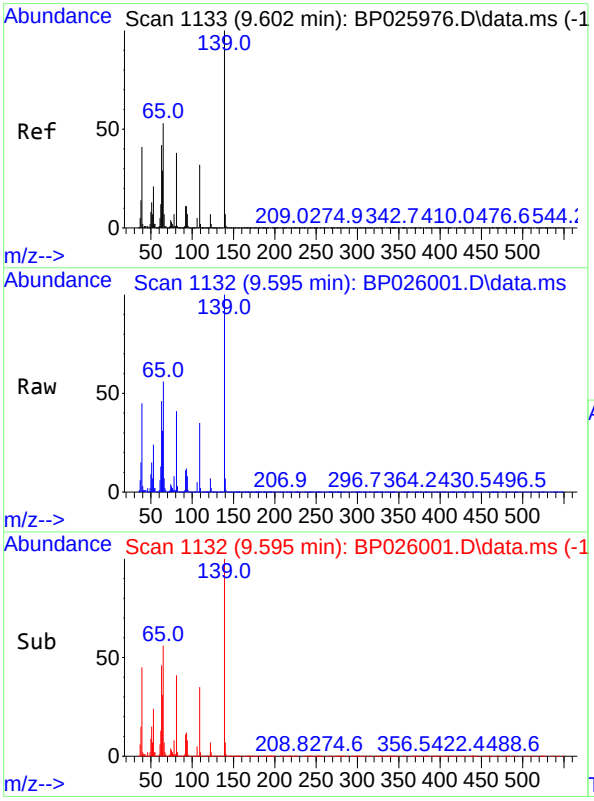
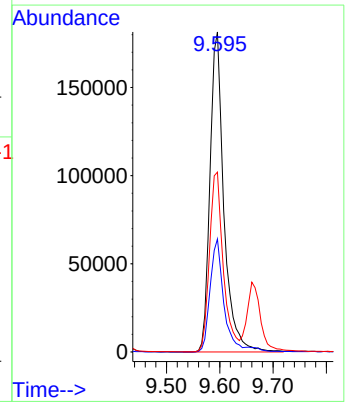
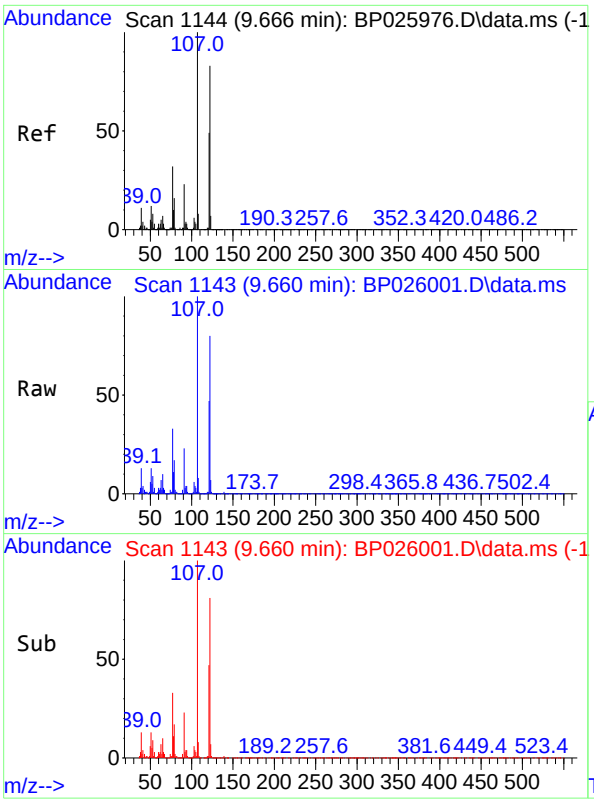


#26
2-Nitrophenol
Concen: 45.080 ng
RT: 9.595 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:139 Resp: 328795

Ion	Ratio	Lower	Upper
139	100		
109	35.3	25.9	38.9
65	56.2	42.4	63.6

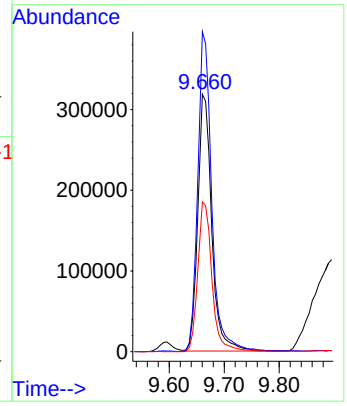




#27
2,4-Dimethylphenol
Concen: 45.393 ng
RT: 9.660 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:122 Resp: 56103

Ion	Ratio	Lower	Upper
122	100		
107	124.3	95.9	143.9
121	58.2	46.6	70.0



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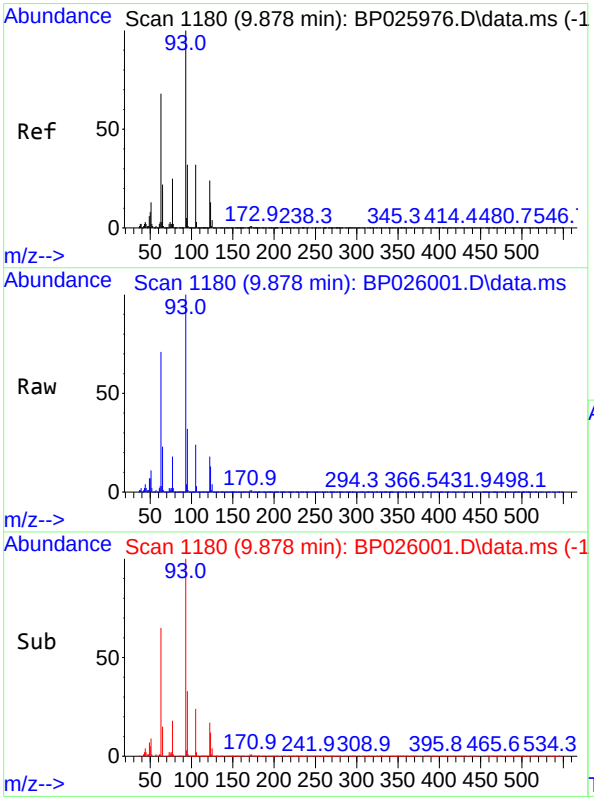
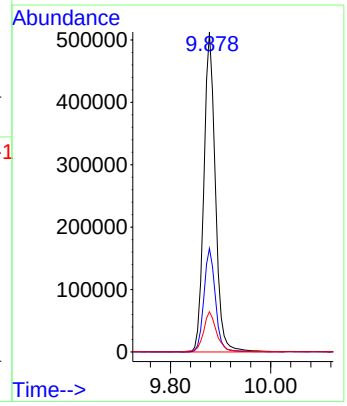
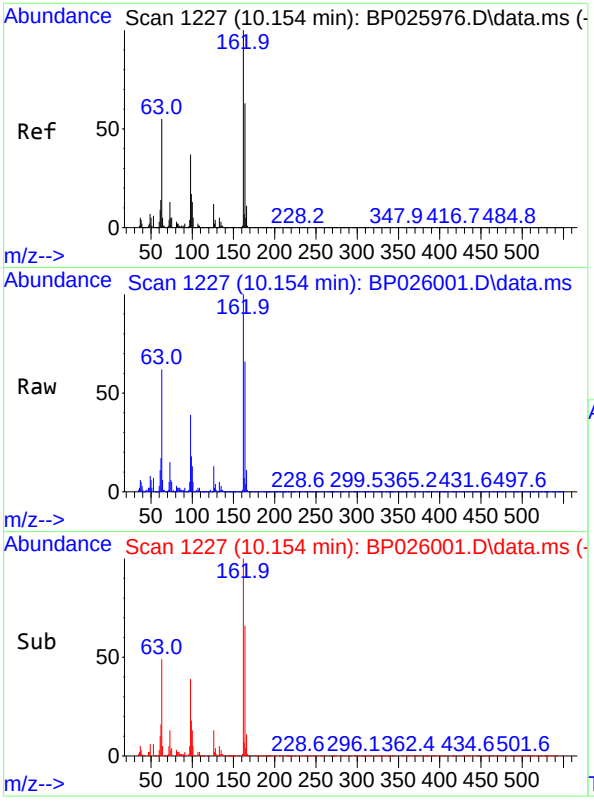


#28
bis(2-Chloroethoxy)methane
Concen: 45.815 ng
RT: 9.878 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 93 Resp: 815207

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.3	37.9
123	12.5	10.4	15.6

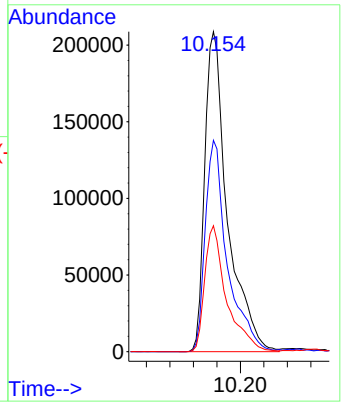




#29
2,4-Dichlorophenol
Concen: 45.449 ng
RT: 10.154 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:162 Resp: 55971

Ion	Ratio	Lower	Upper
162	100		
164	66.0	43.4	83.4
98	39.3	17.3	57.3



Instrument :
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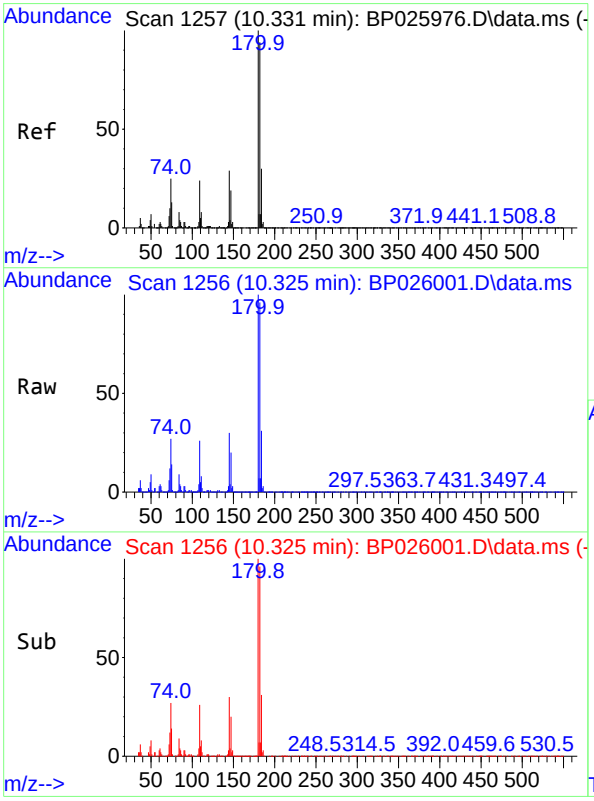
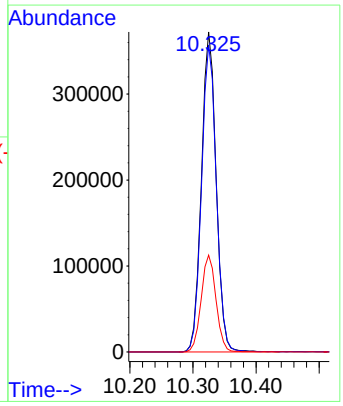
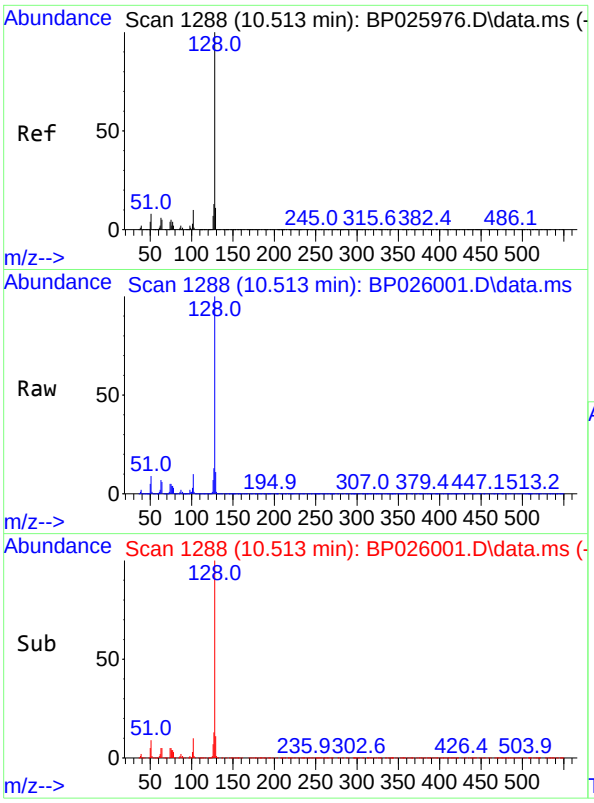


#30
1,2,4-Trichlorobenzene
Concen: 43.193 ng
RT: 10.325 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:180 Resp: 602203

Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.3	112.9
145	30.3	23.4	35.2





#31
Naphthalene
Concen: 43.504 ng
RT: 10.513 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:128 Resp: 178644

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.1	10.6	16.0

Instrument :
BNA_P
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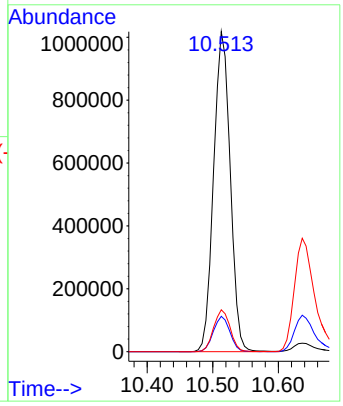
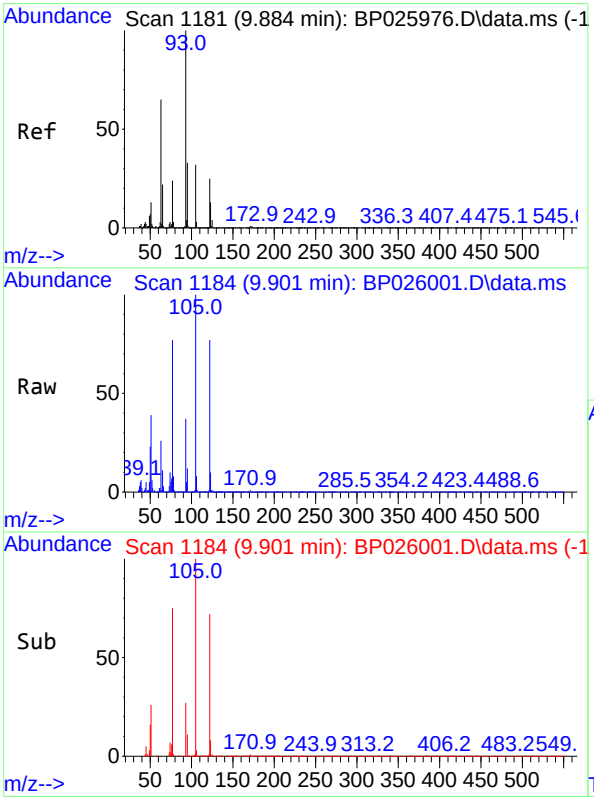
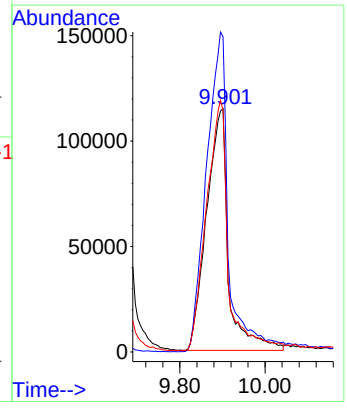


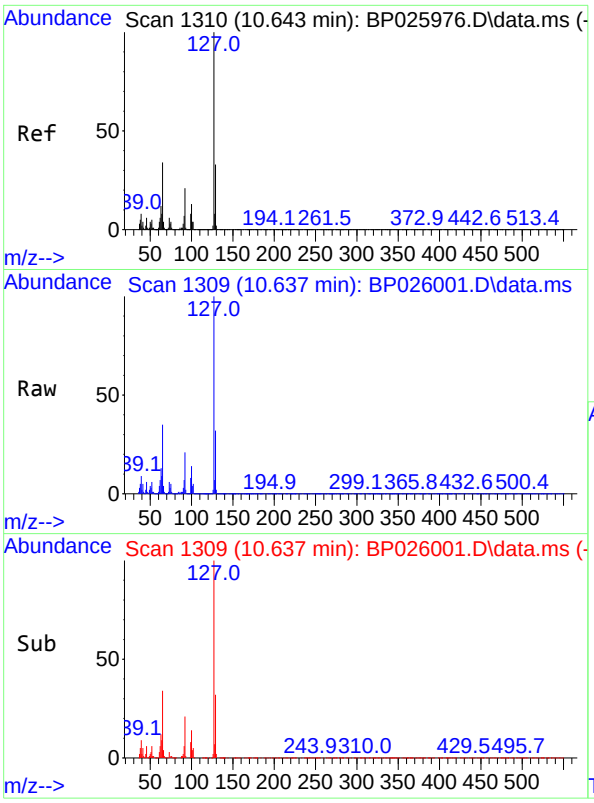


#32
Benzoic acid
Concen: 45.557 ng
RT: 9.901 min Scan# 1184
Delta R.T. 0.017 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:122 Resp: 408022

Ion	Ratio	Lower	Upper
122	100		
105	129.5	107.4	147.4
77	99.1	77.0	117.0

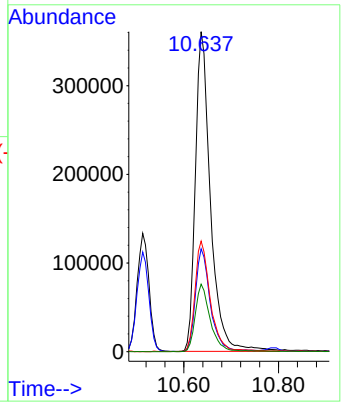




#33
4-Chloroaniline
Concen: 45.890 ng
RT: 10.637 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:127 Resp: 80026

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.4
65	34.6	27.2	40.8
92	21.1	17.0	25.4



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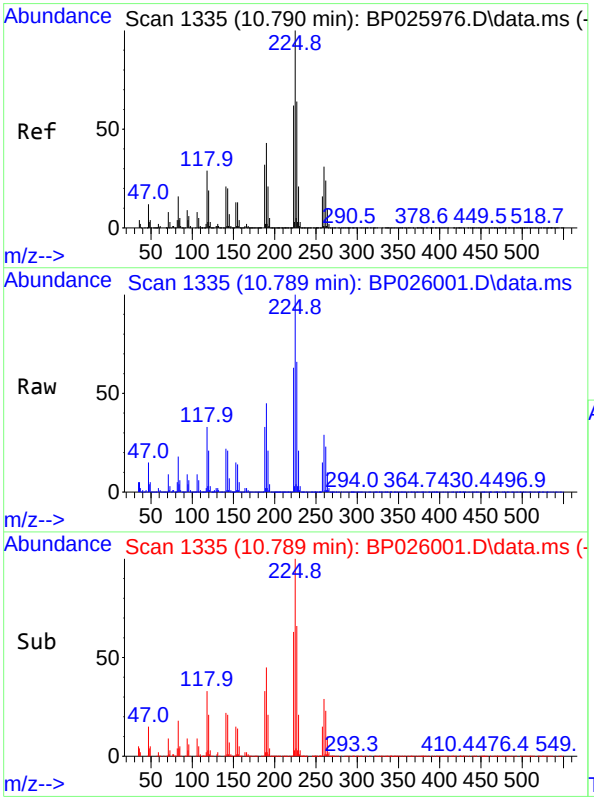
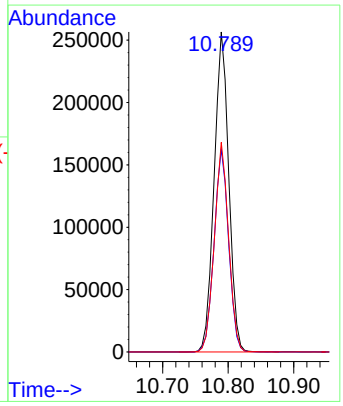
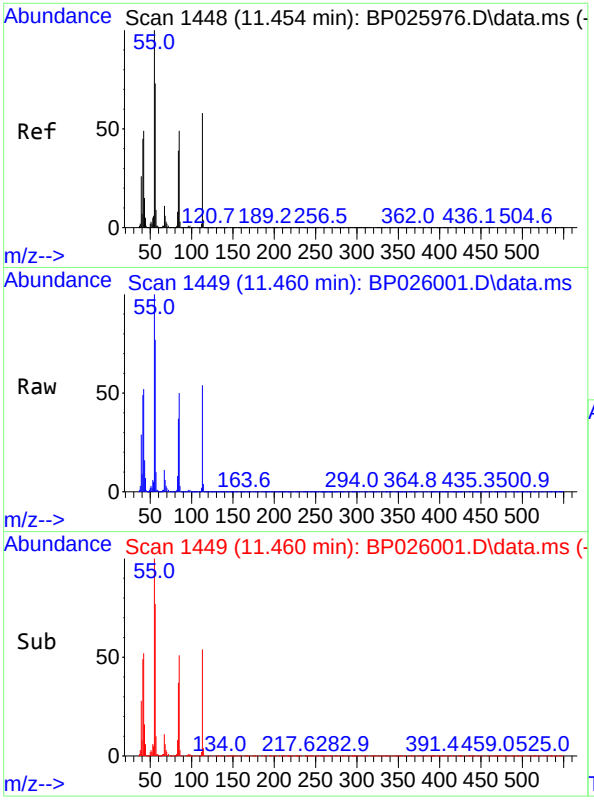


#34
Hexachlorobutadiene
Concen: 42.965 ng
RT: 10.789 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:225 Resp: 396441

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.8	74.8
227	65.5	51.4	77.2





#35
Caprolactam
Concen: 45.000 ng
RT: 11.460 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:113 Resp: 19721

Ion	Ratio	Lower	Upper
113	100		
55	185.9	151.8	191.8
56	143.6	104.6	144.6

Instrument :
BNA_P
ClientSampleId :
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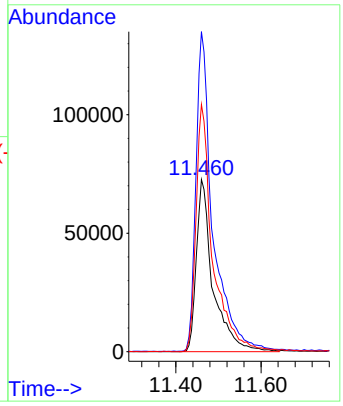

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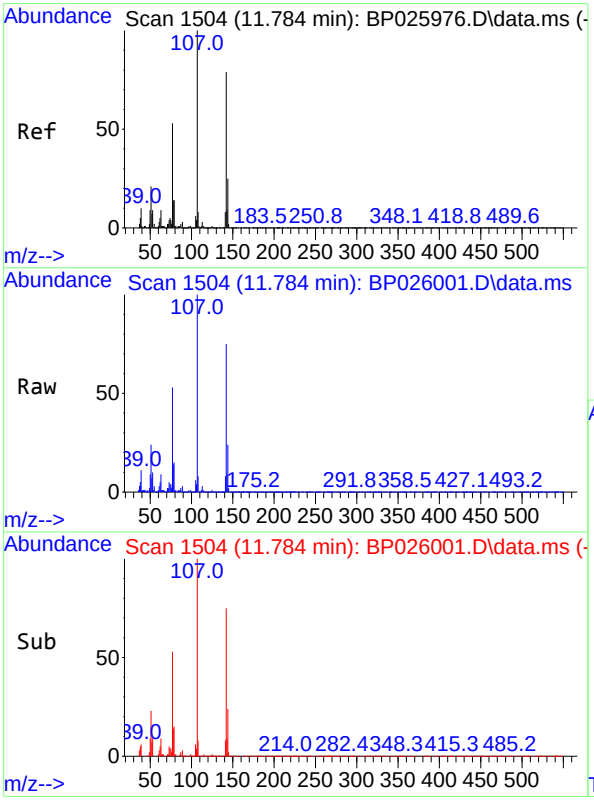
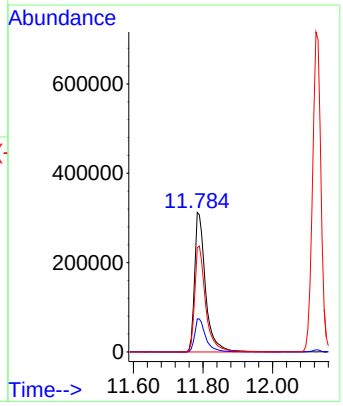
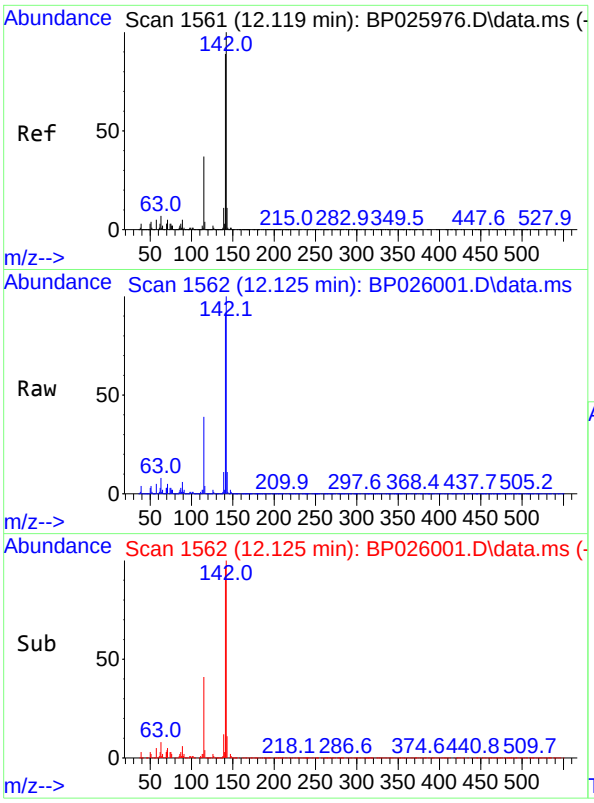


#36
4-Chloro-3-methylphenol
Concen: 47.245 ng
RT: 11.784 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:107 Resp: 683092

Ion	Ratio	Lower	Upper
107	100		
144	23.8	20.3	30.5
142	74.7	63.0	94.4

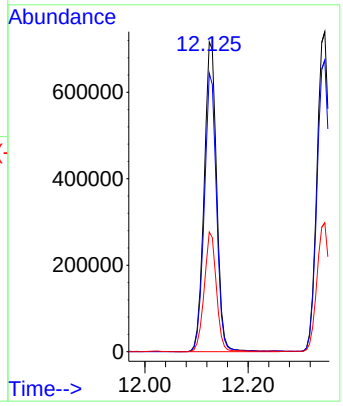




#37
2-Methylnaphthalene
Concen: 44.646 ng
RT: 12.125 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:142 Resp: 120034

Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.9	106.3
115	38.6	29.9	44.9



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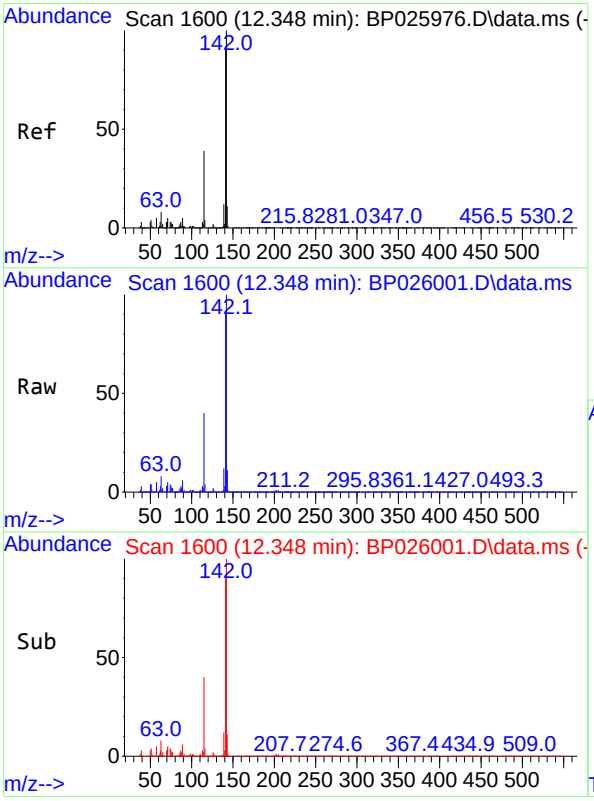
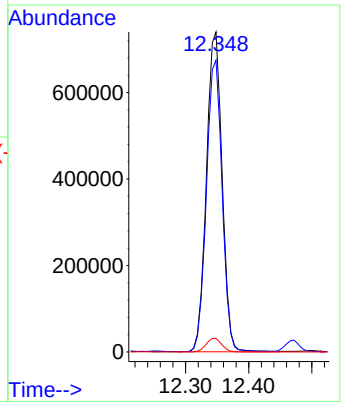
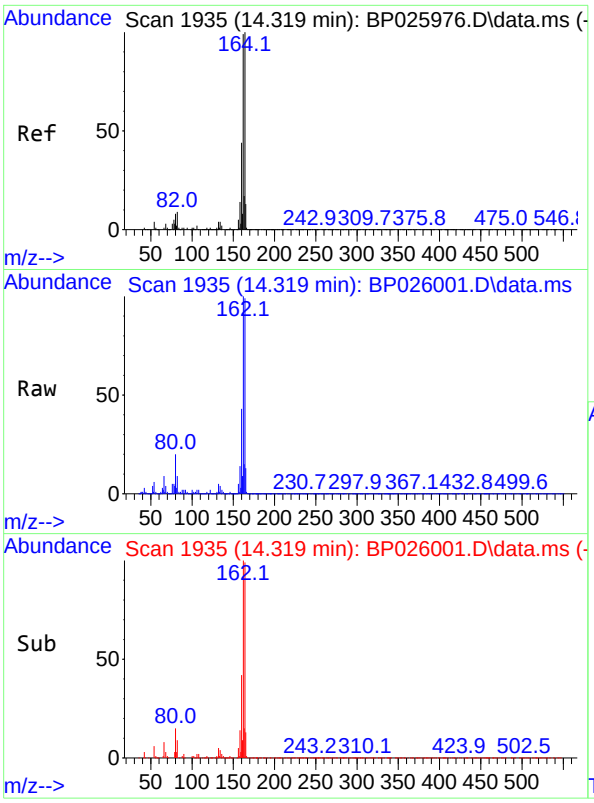


#38
1-Methylnaphthalene
Concen: 44.881 ng
RT: 12.348 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:142 Resp: 1272764

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.7	110.5
116	4.3	3.2	4.8

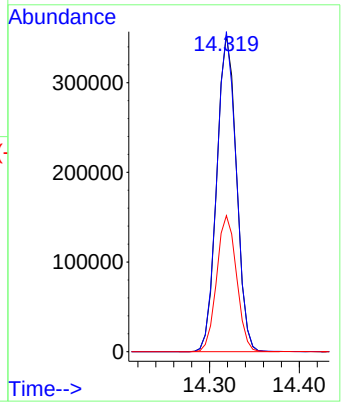




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:164 Resp: 53631

Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.3	118.9
160	43.0	35.4	53.0



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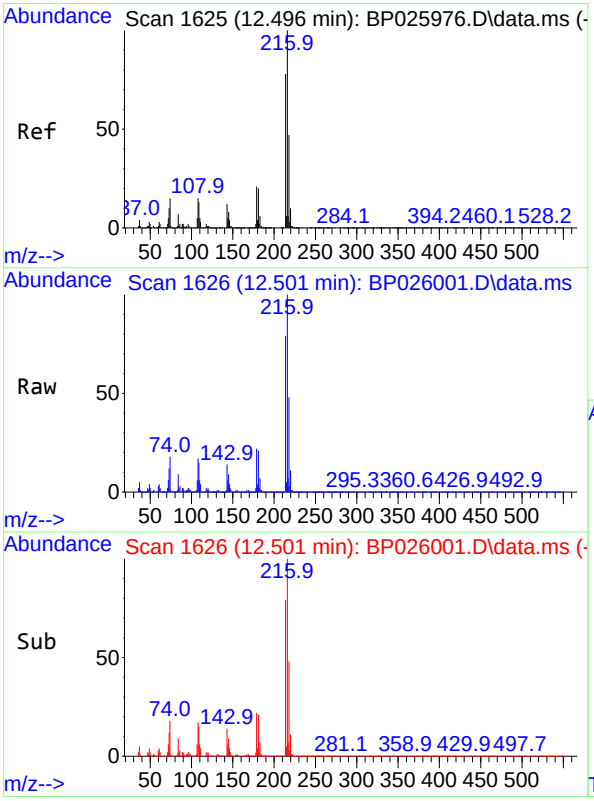
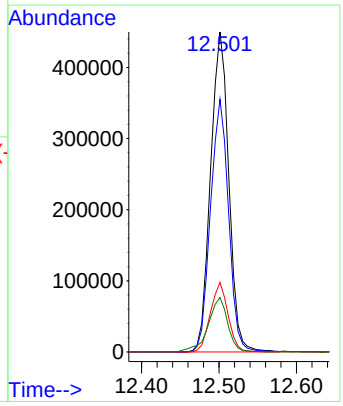
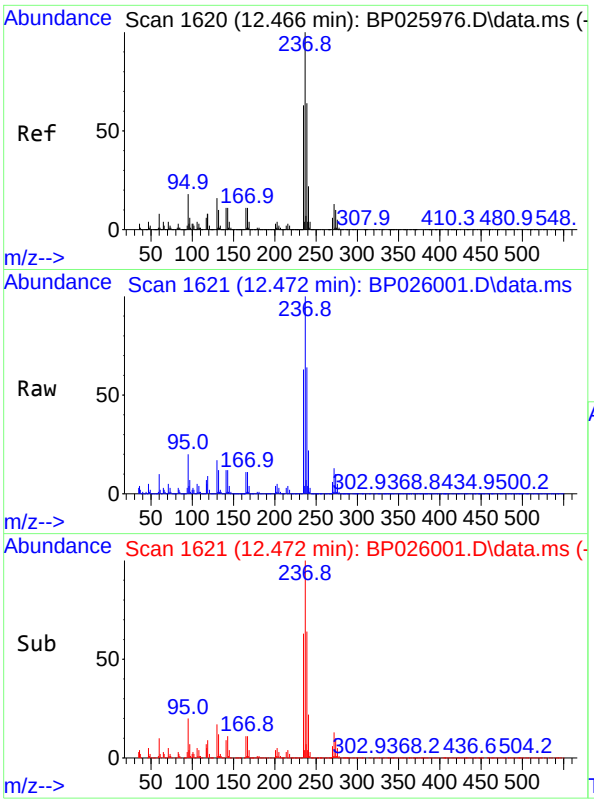


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.164 ng
RT: 12.501 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:216 Resp: 736354

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	21.0	16.5	24.7
108	18.1	13.4	20.0

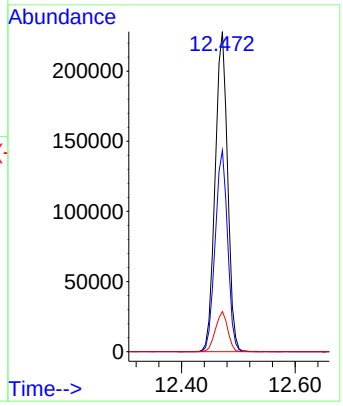




#41
Hexachlorocyclopentadiene
Concen: 36.760 ng
RT: 12.472 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:237 Resp: 34628

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.1	83.1
272	12.6	0.0	33.4



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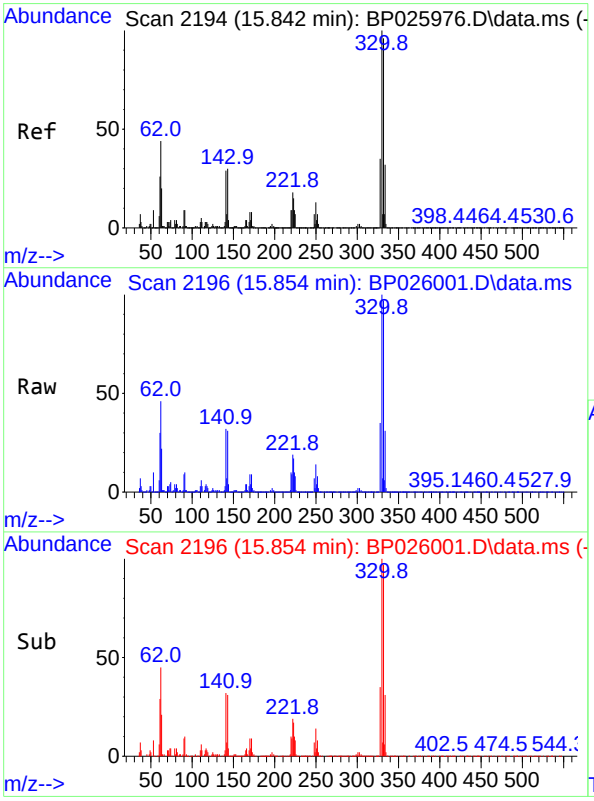
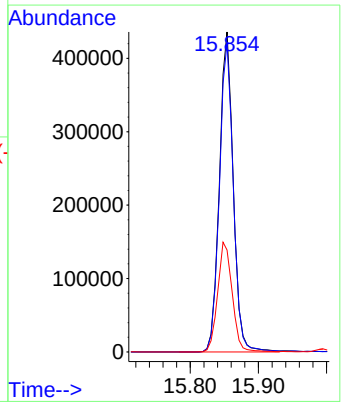
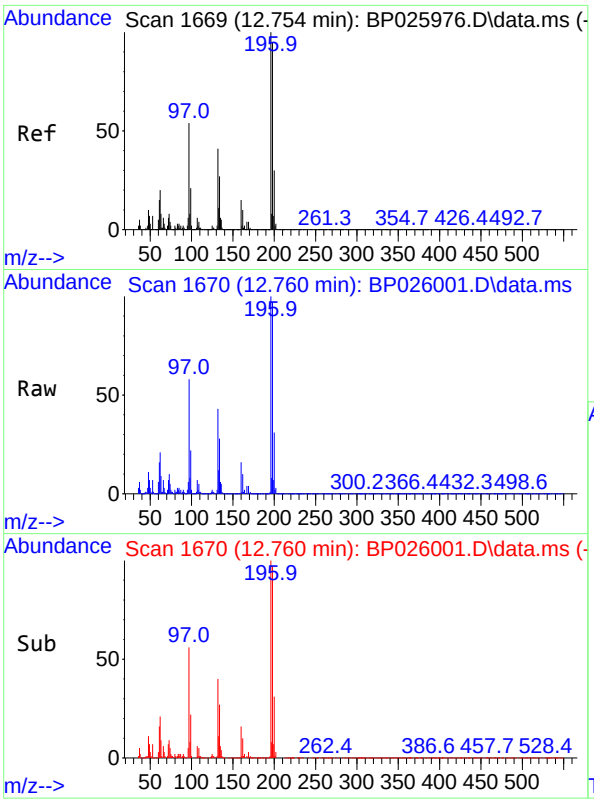


#42
2,4,6-Tribromophenol
Concen: 85.406 ng
RT: 15.854 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:330 Resp: 616637

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.8	116.8
141	36.1	25.6	38.4





#43
2,4,6-Trichlorophenol
Concen: 45.015 ng
RT: 12.760 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:196 Resp: 49898

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.3	114.5
200	31.0	23.9	35.9

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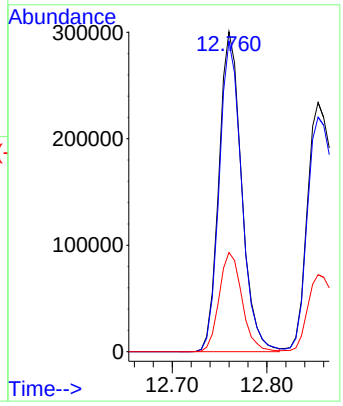
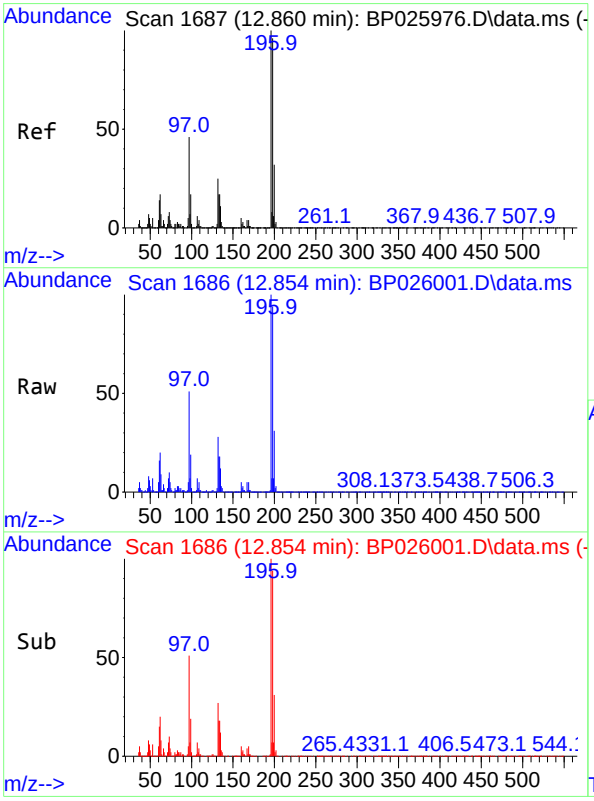
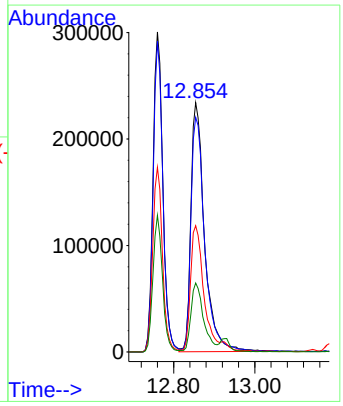


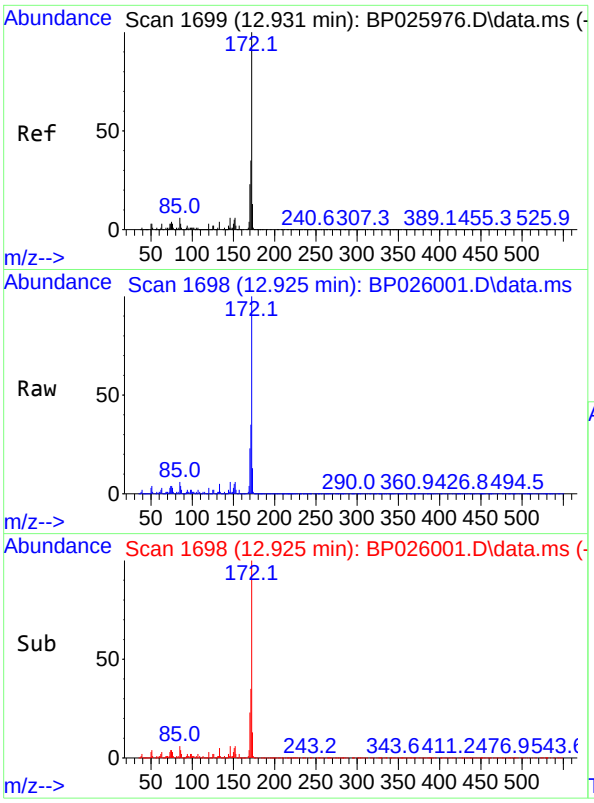


#44
2,4,5-Trichlorophenol
Concen: 45.352 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:196 Resp: 547434

Ion	Ratio	Lower	Upper
196	100		
198	94.1	77.0	115.4
97	50.6	36.6	54.8
132	27.6	20.1	30.1

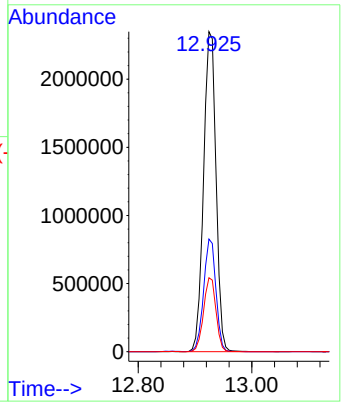




#45
2-Fluorobiphenyl
Concen: 85.056 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:172 Resp: 355897

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.8
170	23.1	18.5	27.7



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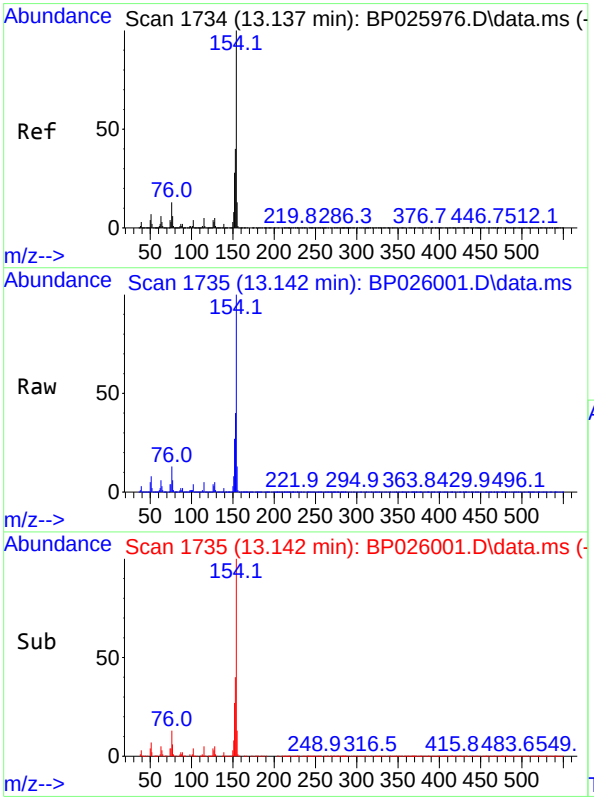
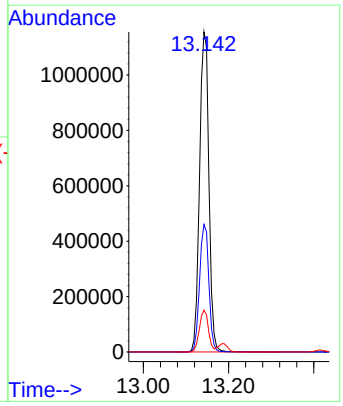
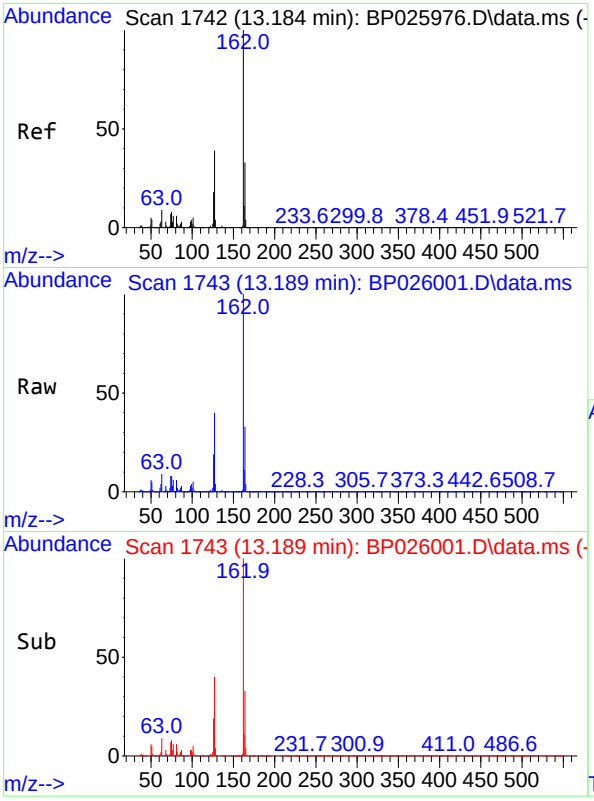


#46
1,1'-Biphenyl
Concen: 43.232 ng
RT: 13.142 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:154 Resp: 1751427

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.1	60.1
76	13.1	0.0	33.1

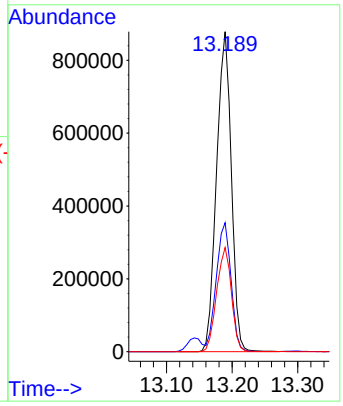




#47
2-Chloronaphthalene
Concen: 43.198 ng
RT: 13.189 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:162 Resp: 136837

Ion	Ratio	Lower	Upper
162	100		
127	40.3	31.4	47.0
164	32.5	26.4	39.6



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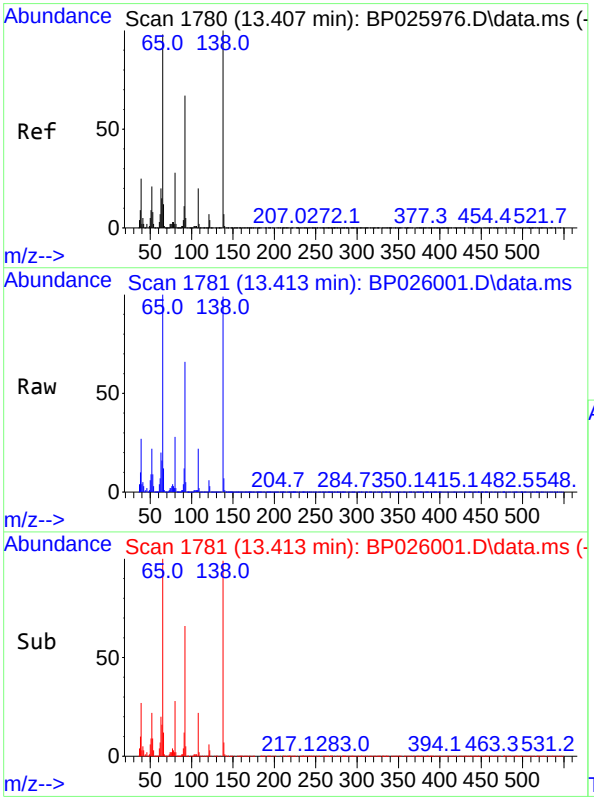
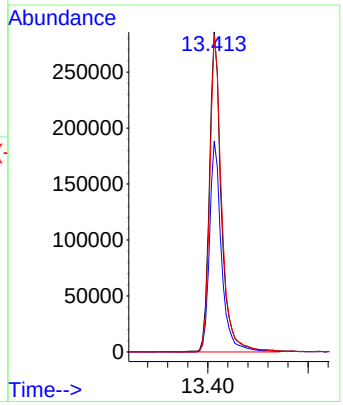
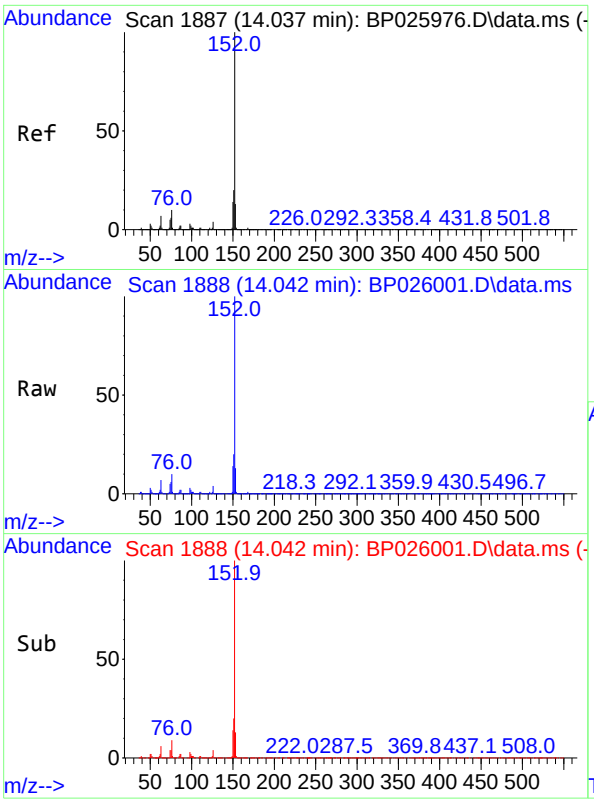


#48
2-Nitroaniline
Concen: 47.744 ng
RT: 13.413 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 65 Resp: 471360

Ion	Ratio	Lower	Upper
65	100		
92	65.9	55.0	82.4
138	99.1	82.0	123.0

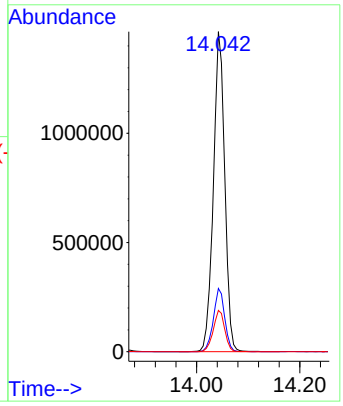




#49
Acenaphthylene
Concen: 43.612 ng
RT: 14.042 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:152 Resp: 223373

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	12.9	10.6	15.8



Instrument :
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ClientSampleId :
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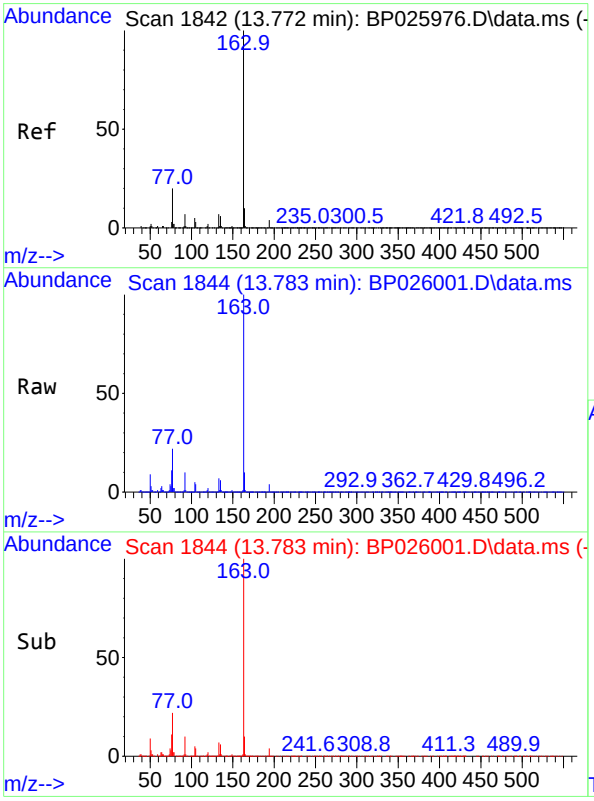
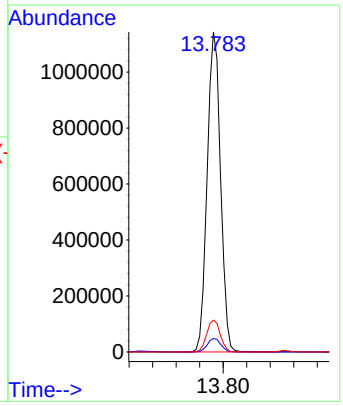
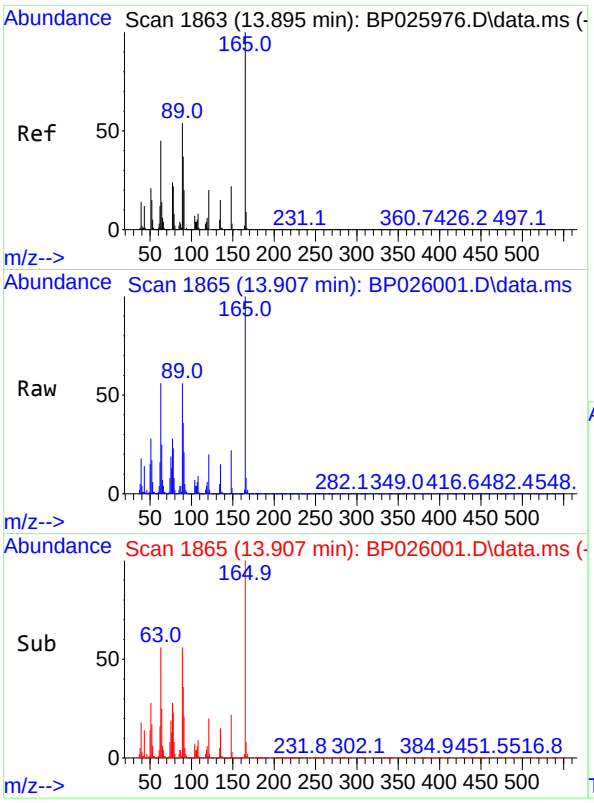


#50
Dimethylphthalate
Concen: 44.315 ng
RT: 13.783 min Scan# 1844
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:163 Resp: 1796416

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.6	5.4
164	9.9	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 44.613 ng
RT: 13.907 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:165 Resp: 39047

Ion	Ratio	Lower	Upper
165	100		
63	55.6	45.4	68.0
89	55.9	43.4	65.0

Instrument :
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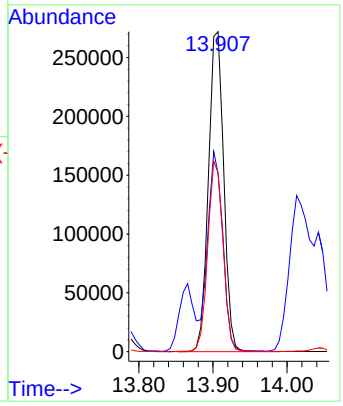
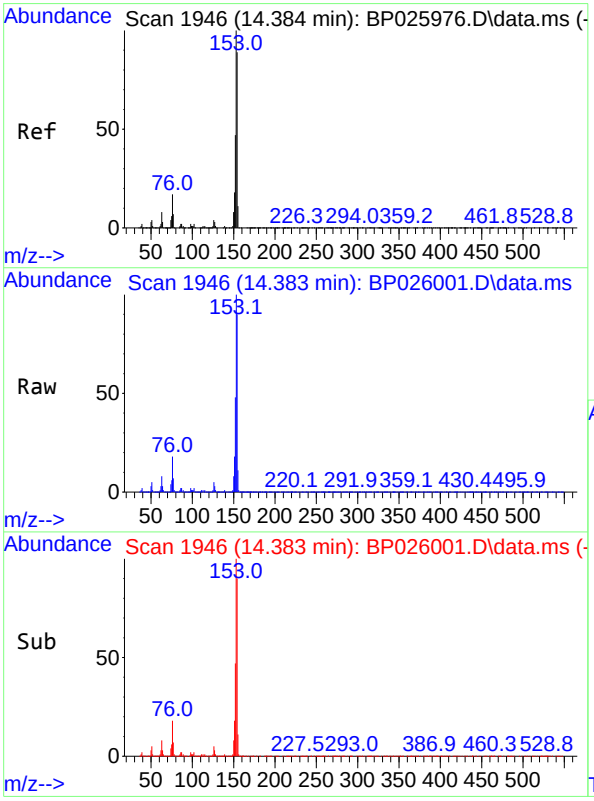
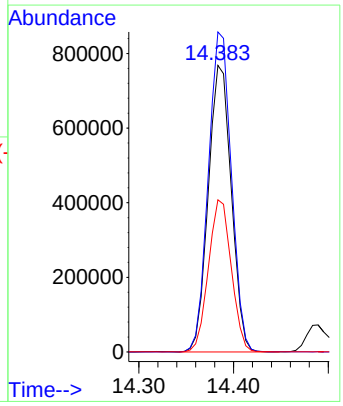


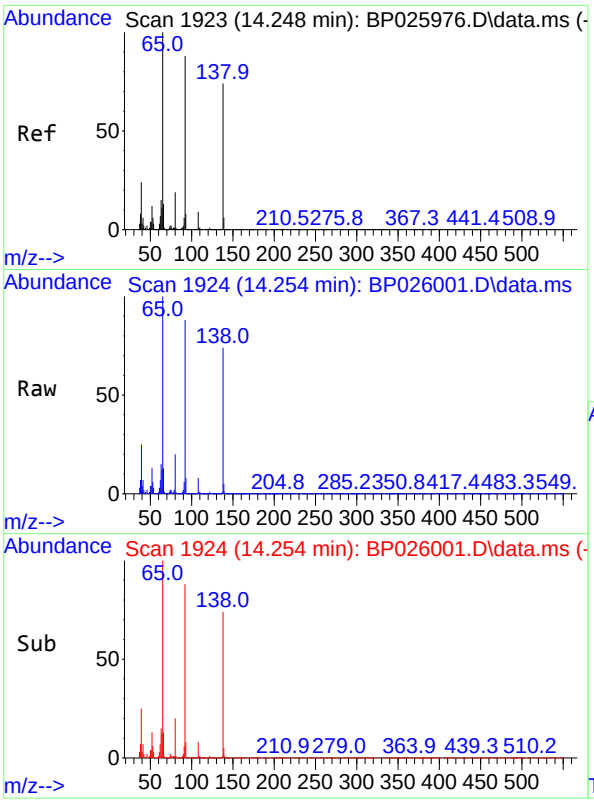


#52
Acenaphthene
Concen: 43.839 ng
RT: 14.383 min Scan# 1946
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:154 Resp: 1296580

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.2	135.2
152	53.1	42.2	63.2

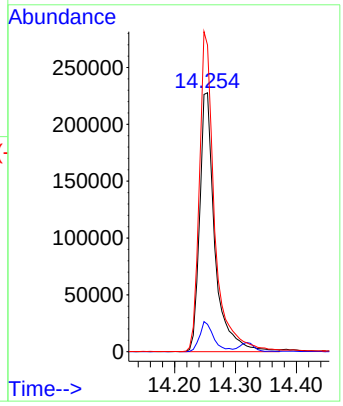




#53
3-Nitroaniline
Concen: 45.428 ng
RT: 14.254 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:138 Resp: 39602

Ion	Ratio	Lower	Upper
138	100		
108	10.6	10.0	15.0
92	118.5	96.1	144.1



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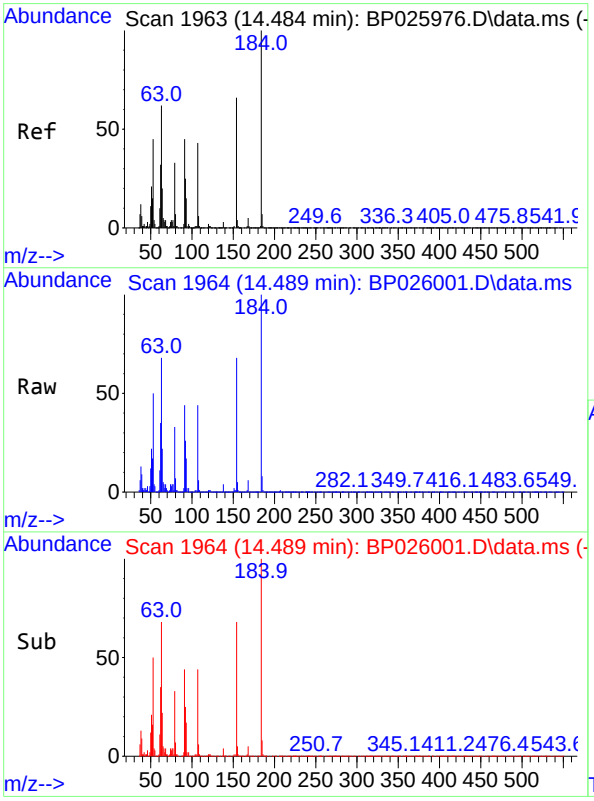
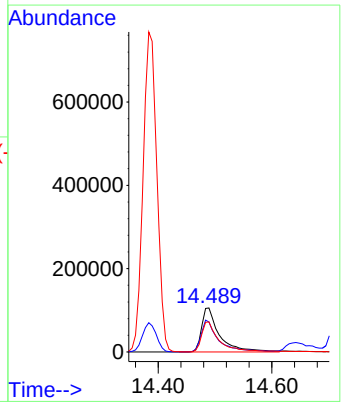
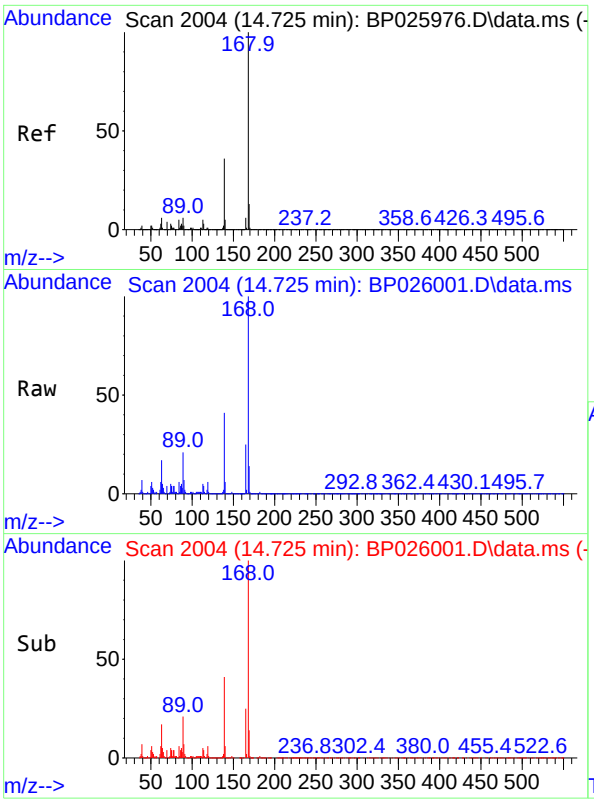


#54
2,4-Dinitrophenol
Concen: 41.482 ng
RT: 14.489 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:184 Resp: 230025

Ion	Ratio	Lower	Upper
184	100		
63	68.1	50.2	75.2
154	68.4	54.2	81.4

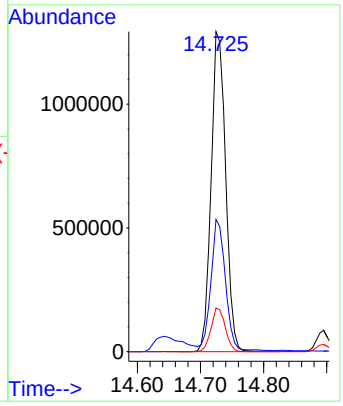




#55
Dibenzofuran
Concen: 43.476 ng
RT: 14.725 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:168 Resp: 205896

Ion	Ratio	Lower	Upper
168	100		
139	41.3	30.5	45.7
169	13.7	10.6	15.8



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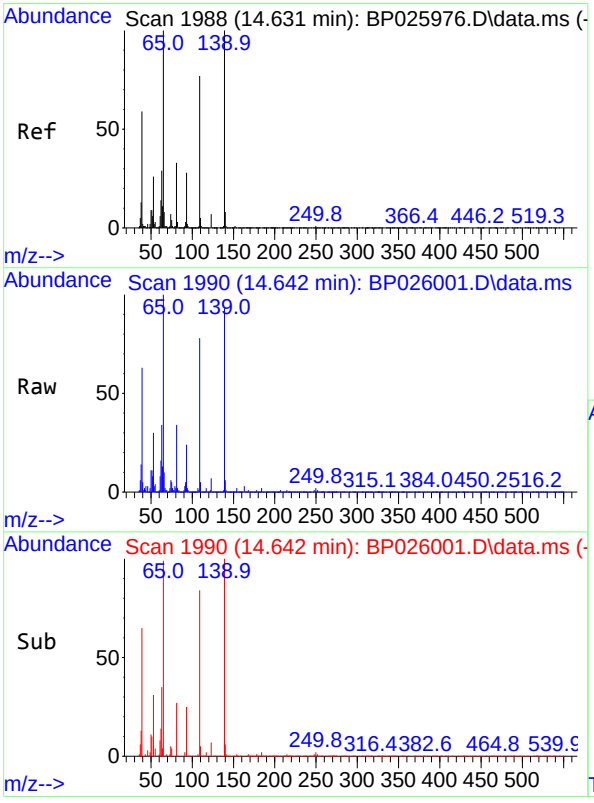
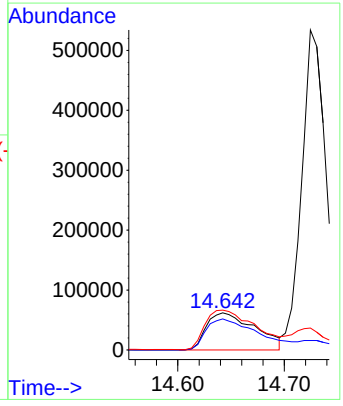
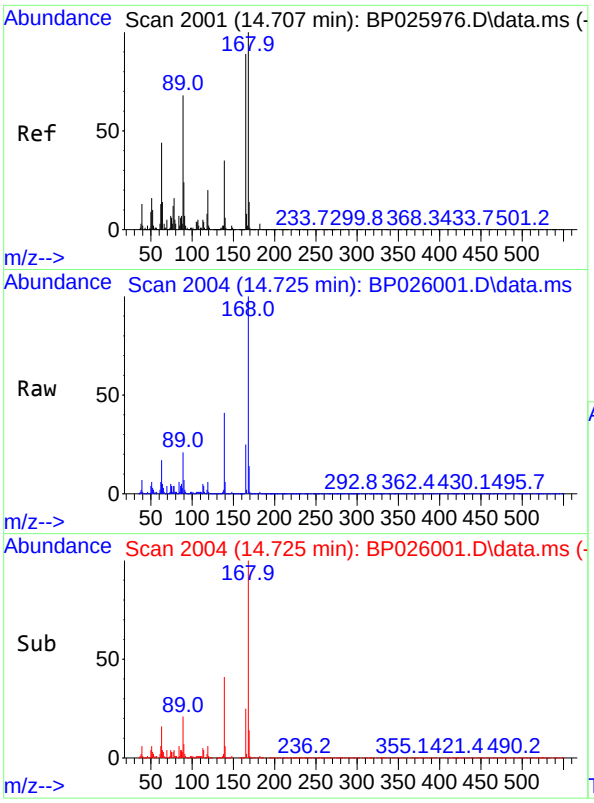


#56
4-Nitrophenol
Concen: 37.327 ng
RT: 14.642 min Scan# 1990
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:139 Resp: 197339

Ion	Ratio	Lower	Upper
139	100		
109	83.7	57.6	97.6
65	107.4	81.4	121.4

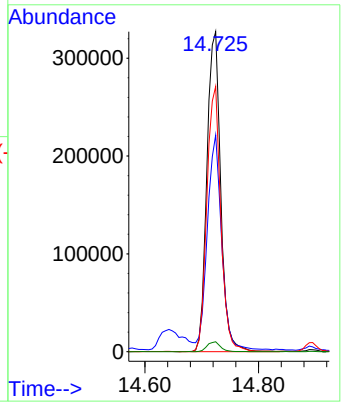




#57
2,4-Dinitrotoluene
Concen: 46.281 ng
RT: 14.725 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:165 Resp: 54887

Ion	Ratio	Lower	Upper
165	100		
63	67.7	41.8	62.6
89	82.9	61.6	92.4
182	3.1	2.4	3.6



Instrument :
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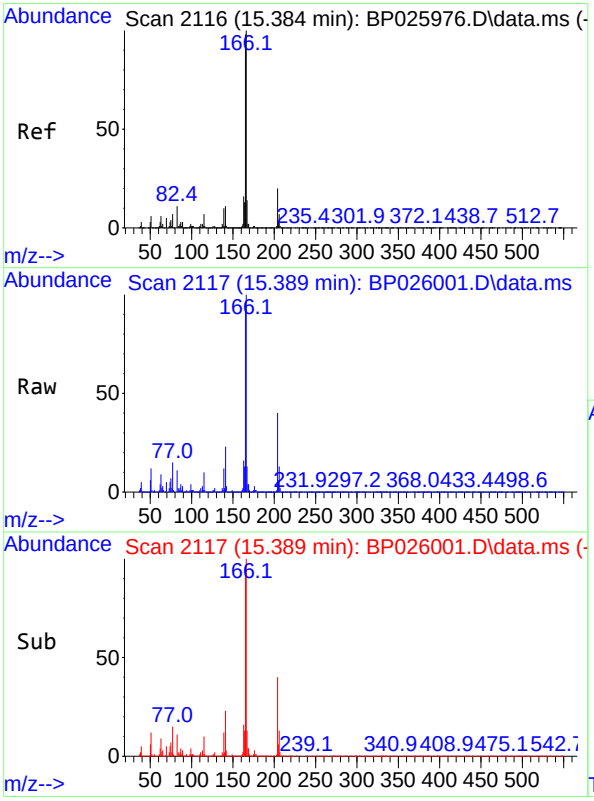
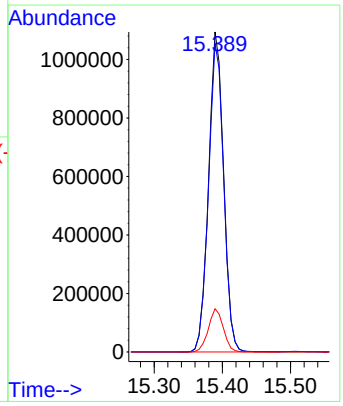
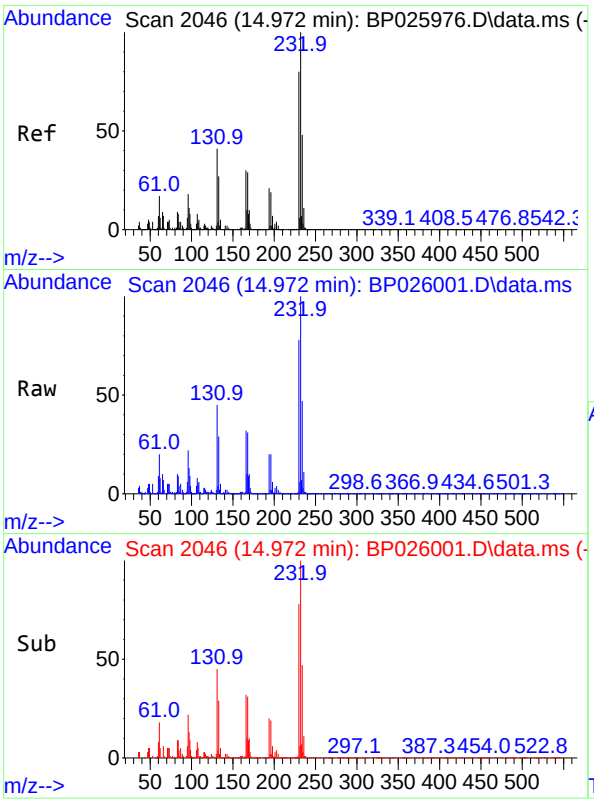


#58
Fluorene
Concen: 44.185 ng
RT: 15.389 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:166 Resp: 1681389

Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.2	117.2
167	13.5	10.8	16.2

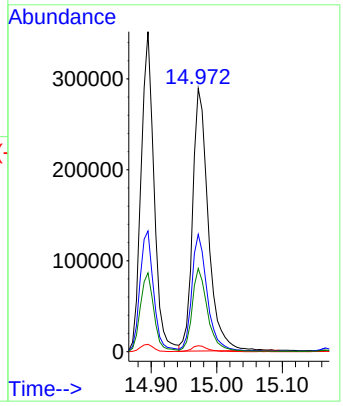




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.318 ng
RT: 14.972 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:232 Resp: 48001

Ion	Ratio	Lower	Upper
232	100		
131	44.5	33.8	50.8
130	2.4	1.8	2.8
166	31.7	23.7	35.5



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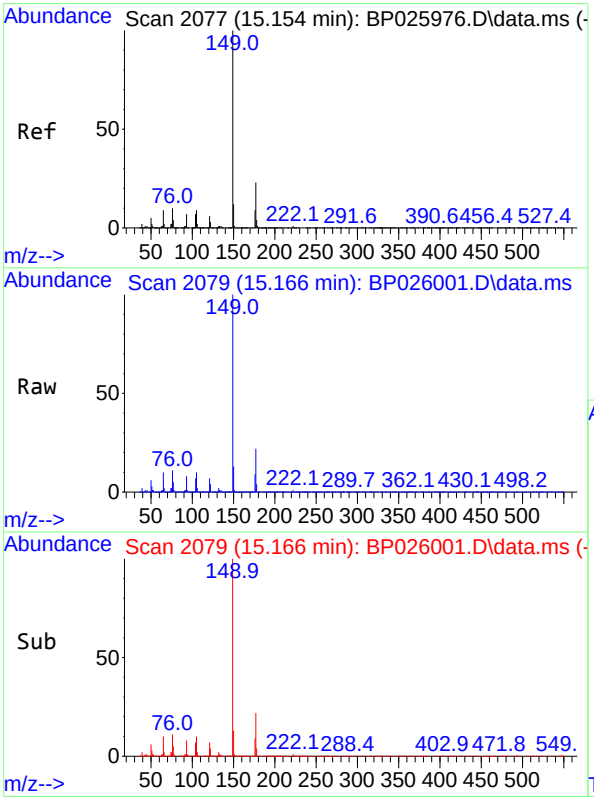
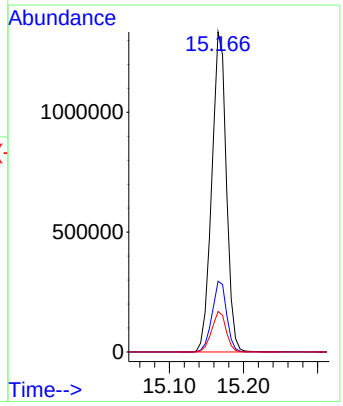
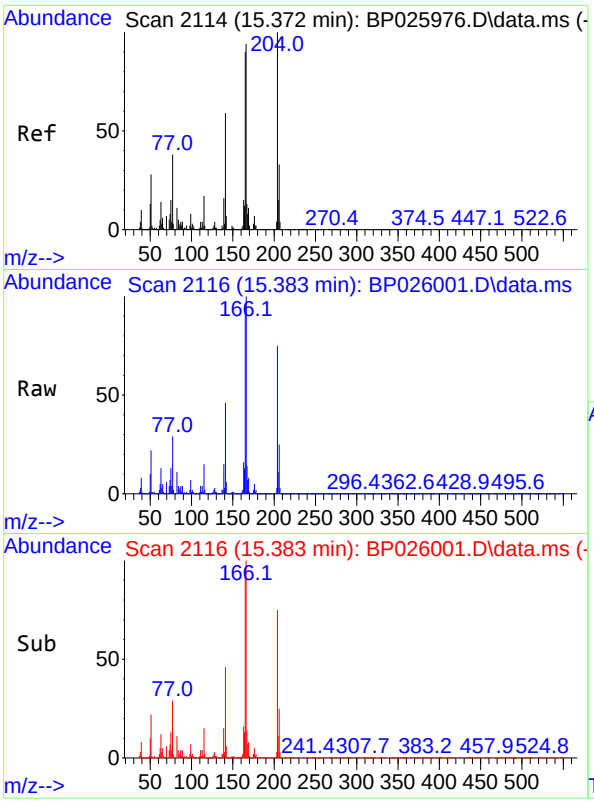


#60
Diethylphthalate
Concen: 45.420 ng
RT: 15.166 min Scan# 2079
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:149 Resp: 1815409

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.2	27.2
150	12.7	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 43.677 ng
RT: 15.383 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:204 Resp: 87400

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	61.1	47.2	70.8

Instrument :
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ClientSampleId :
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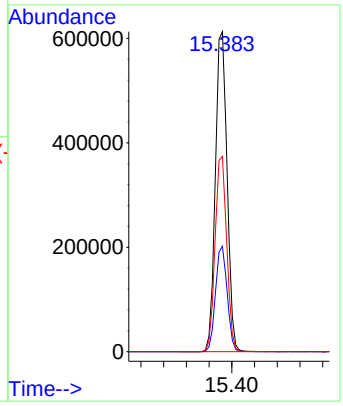

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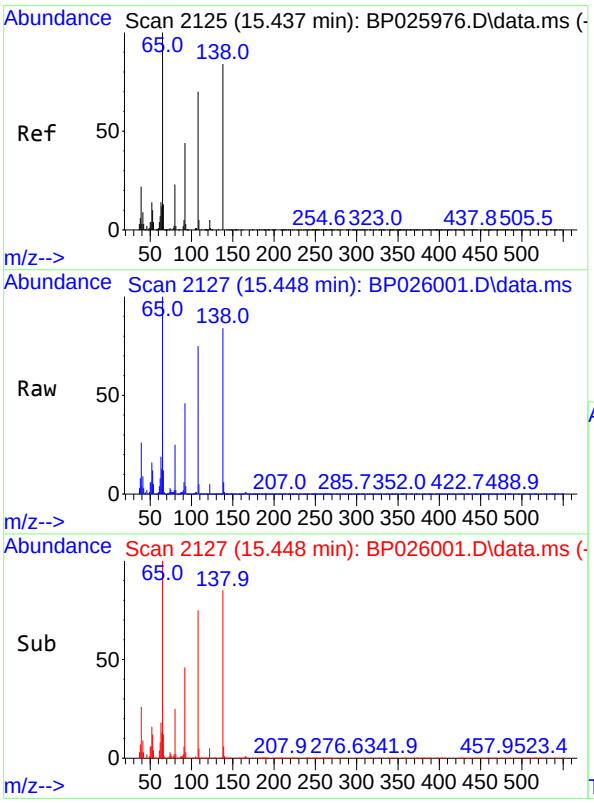
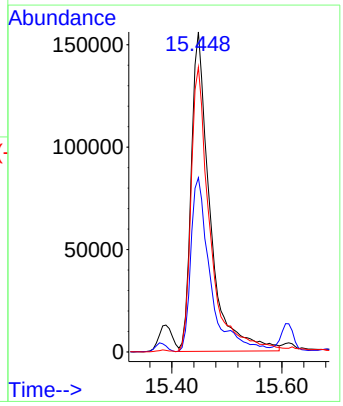
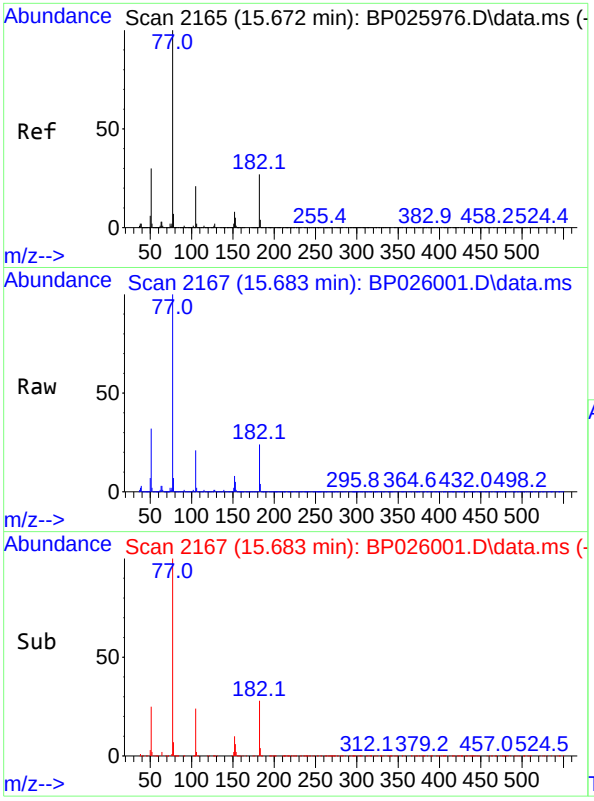


#62
4-Nitroaniline
Concen: 45.874 ng
RT: 15.448 min Scan# 2127
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:138 Resp: 370559

Ion	Ratio	Lower	Upper
138	100		
92	54.5	32.5	72.5
108	89.0	62.7	102.7

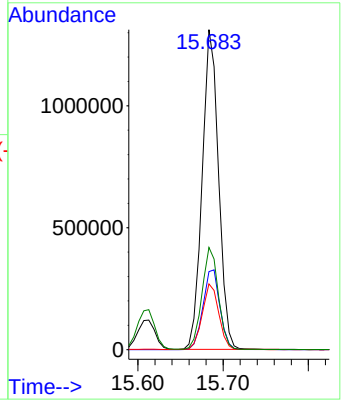




#63
Azobenzene
Concen: 46.950 ng
RT: 15.683 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion: 77 Resp: 174913

Ion	Ratio	Lower	Upper
77	100		
182	24.4	6.6	46.6
105	20.5	1.3	41.3
51	31.9	10.1	50.1



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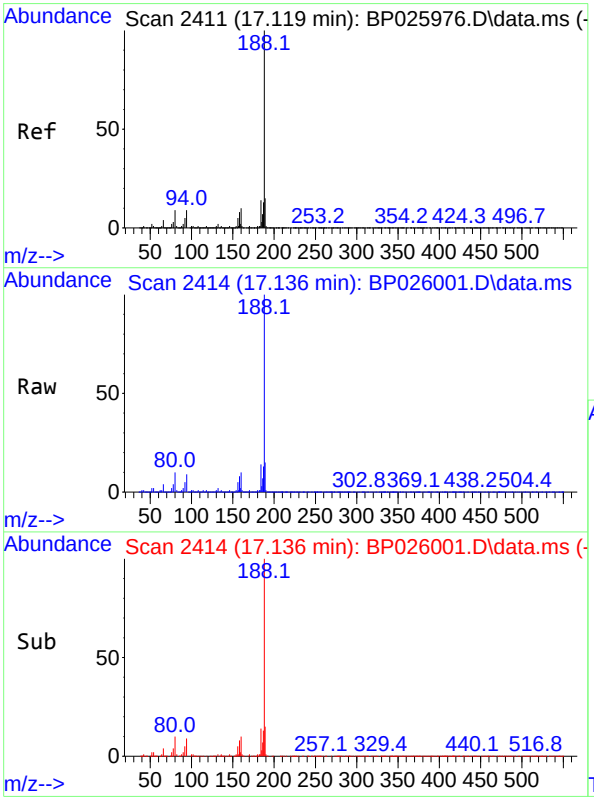
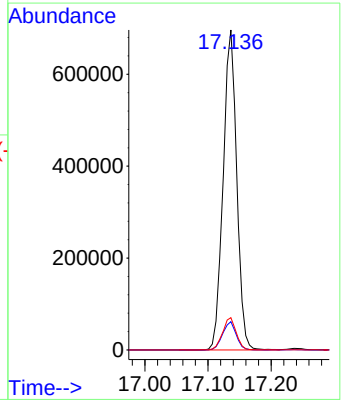
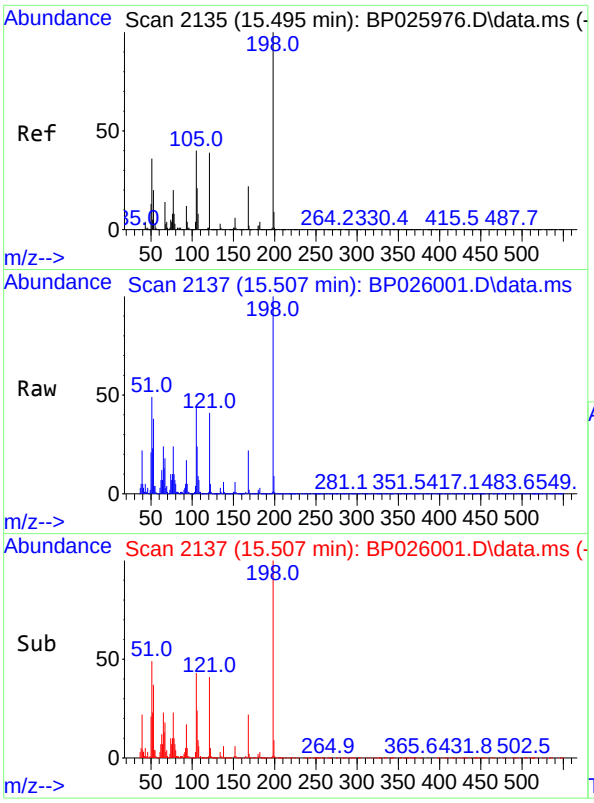


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.136 min Scan# 2414
Delta R.T. 0.017 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:188 Resp: 1039537

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.8	10.2
80	10.1	7.2	10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 45.430 ng
RT: 15.507 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:198 Resp: 34132

Ion	Ratio	Lower	Upper
198	100		
51	49.3	22.1	62.1
105	43.9	20.8	60.8

Instrument :
BNA_P
ClientSampleId :
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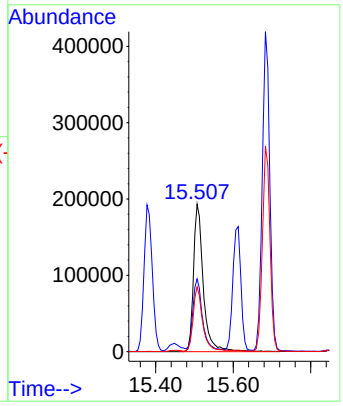

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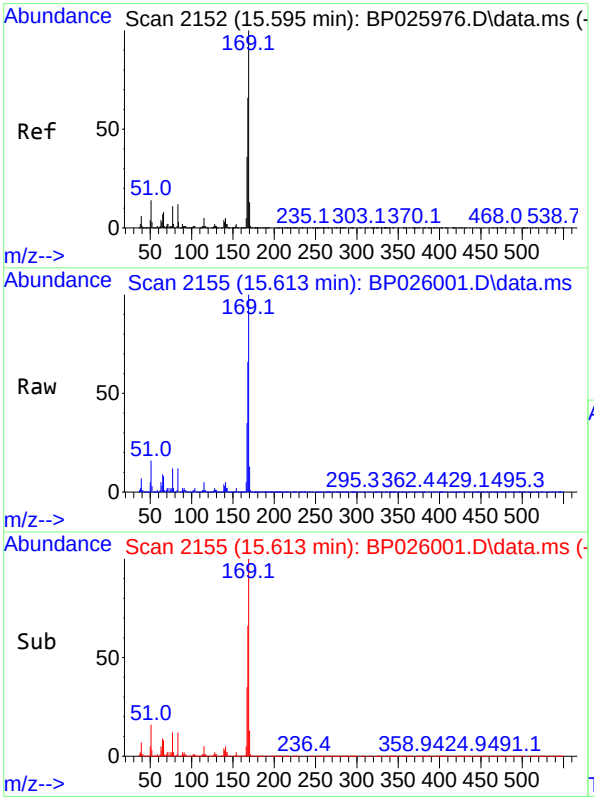
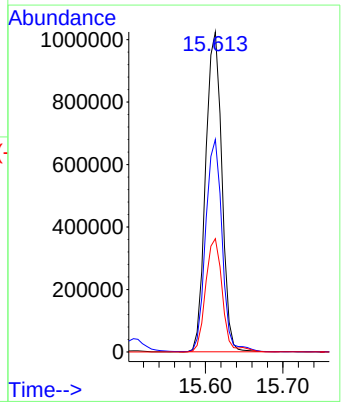
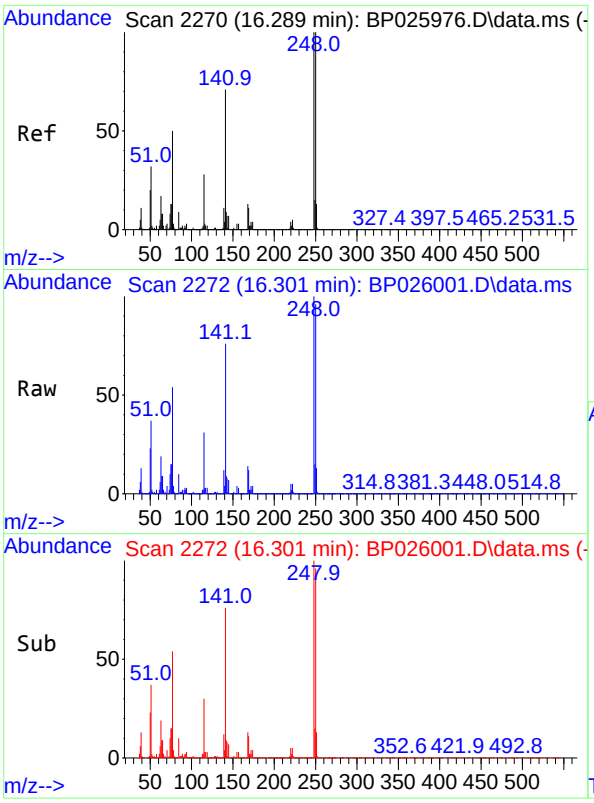


#66
n-Nitrosodiphenylamine
Concen: 44.362 ng
RT: 15.613 min Scan# 2155
Delta R.T. 0.017 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:169 Resp: 1483720

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.2	79.8
167	35.4	28.6	42.8

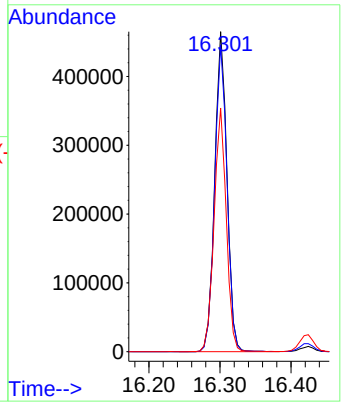




#67
4-Bromophenyl-phenylether
Concen: 43.278 ng
RT: 16.301 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:248 Resp: 55529

Ion	Ratio	Lower	Upper
248	100		
250	95.9	79.8	119.6
141	76.2	57.0	85.4



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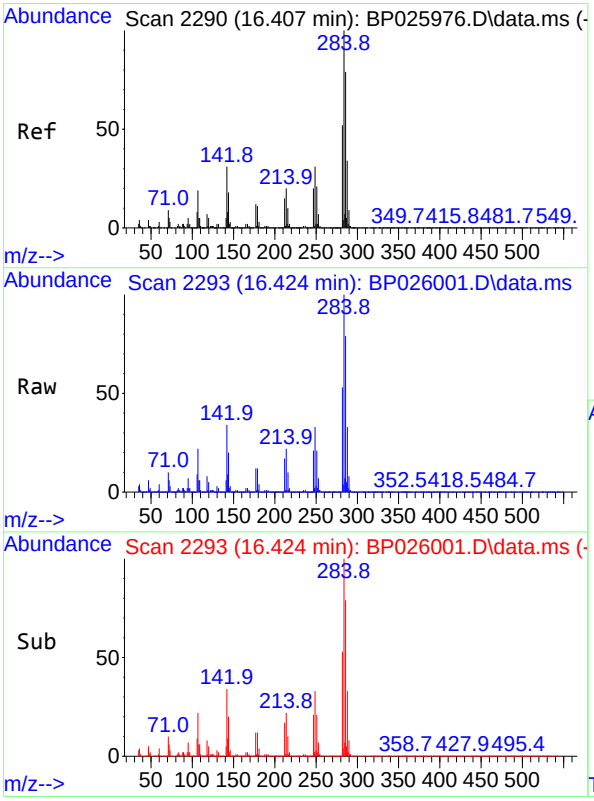
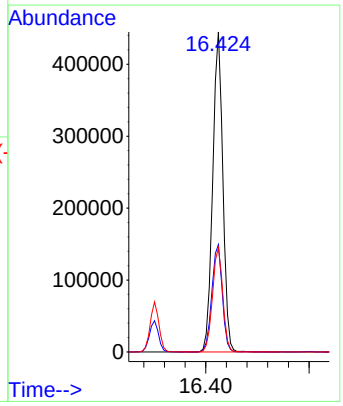
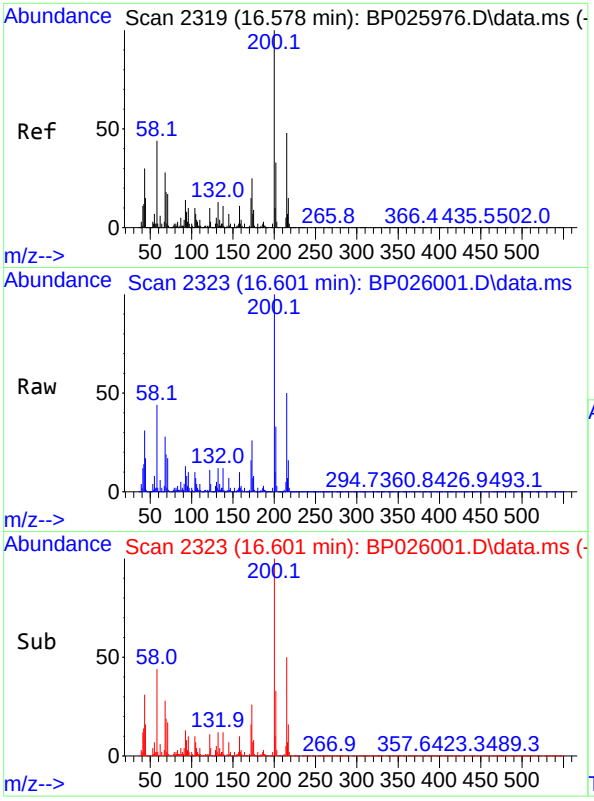


#68
Hexachlorobenzene
Concen: 42.078 ng
RT: 16.424 min Scan# 2293
Delta R.T. 0.017 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:284 Resp: 605671

Ion	Ratio	Lower	Upper
284	100		
142	33.5	24.9	37.3
249	32.6	25.1	37.7

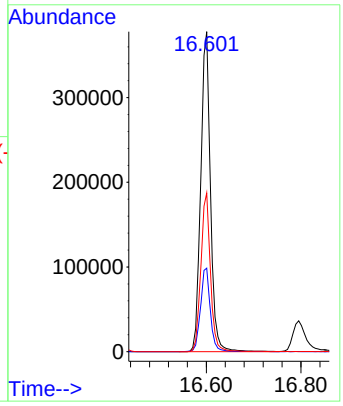




#69
Atrazine
Concen: 44.435 ng
RT: 16.601 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:200 Resp: 53613

Ion	Ratio	Lower	Upper
200	100		
173	26.1	5.3	45.3
215	49.6	28.2	68.2



Instrument :
BNA_P
ClientSampleId :
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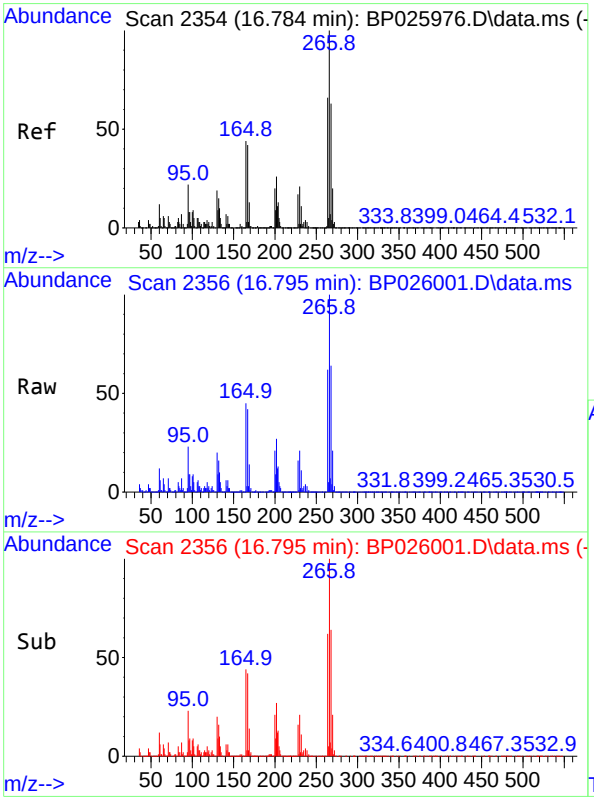
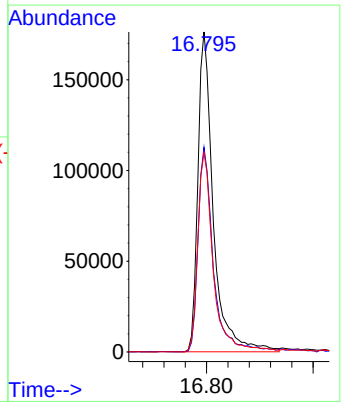
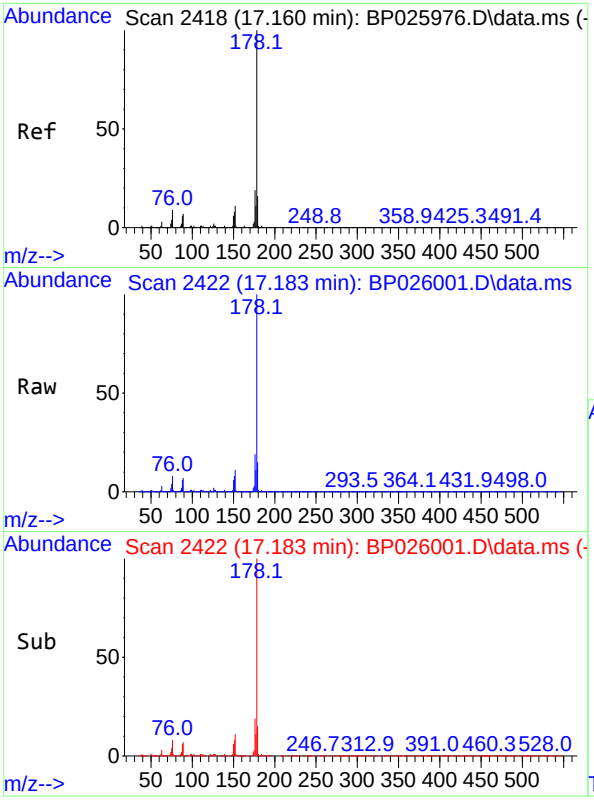


#70
Pentachlorophenol
Concen: 45.506 ng
RT: 16.795 min Scan# 2356
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:266 Resp: 353622

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.5	75.7
264	62.2	52.9	79.3

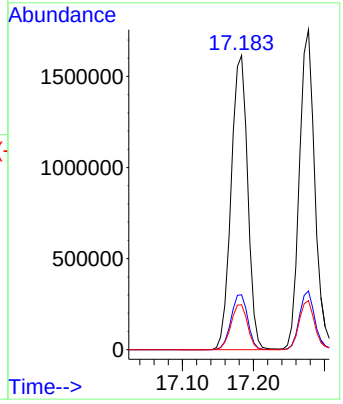




#71
Phenanthrene
Concen: 44.354 ng
RT: 17.183 min Scan# 24
Delta R.T. 0.023 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:178 Resp: 261321

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.3	12.7	19.1



Instrument :
BNA_P
ClientSampleId :
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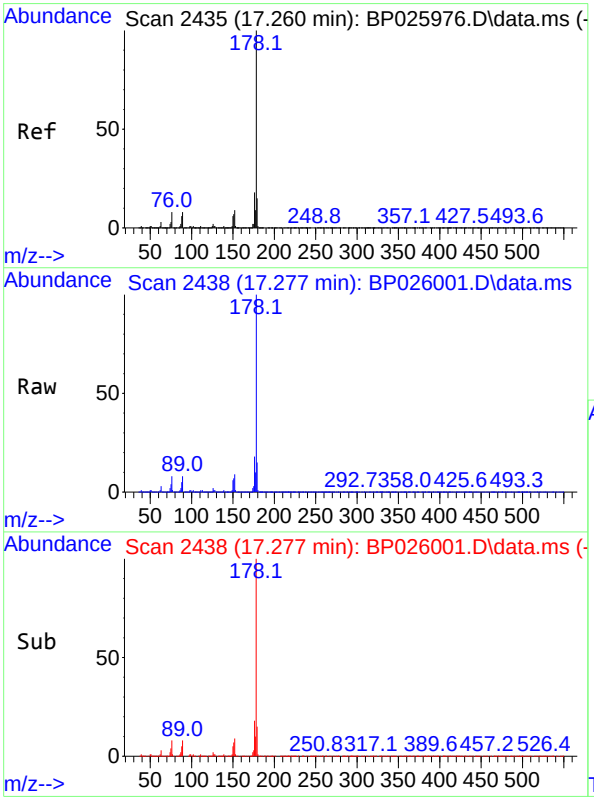
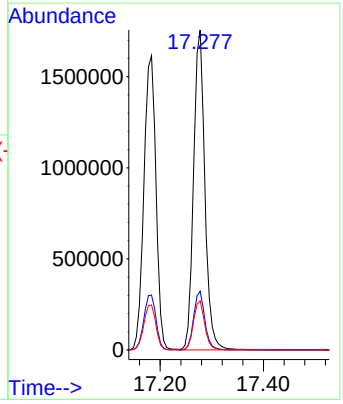
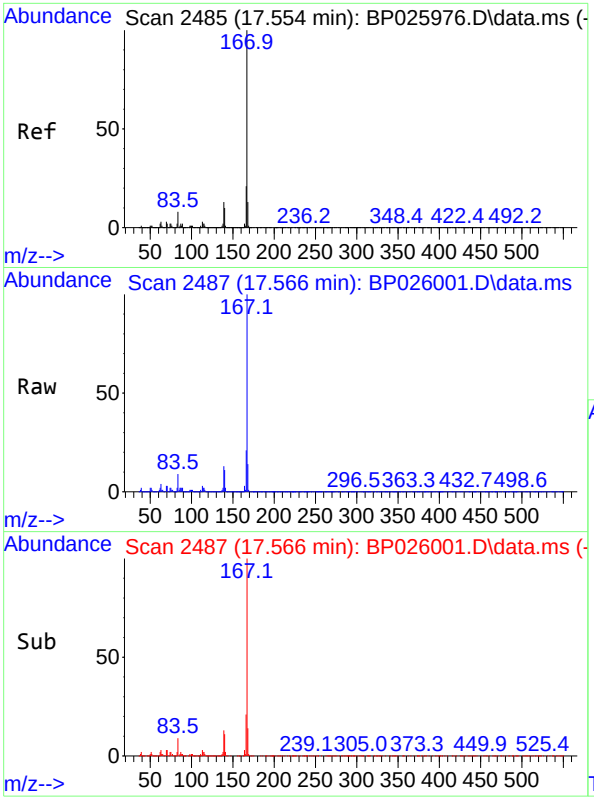


#72
Anthracene
Concen: 44.169 ng
RT: 17.277 min Scan# 2438
Delta R.T. 0.017 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:178 Resp: 2658211

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.3	12.3	18.5

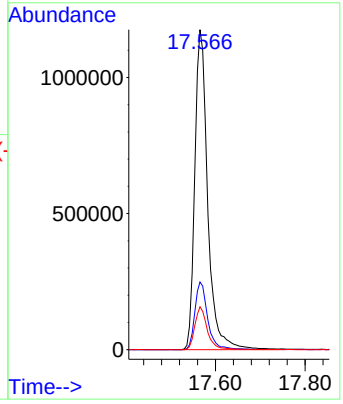




#73
Carbazole
Concen: 44.216 ng
RT: 17.566 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:167 Resp: 234581

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.7	25.1
139	13.4	10.2	15.2



Instrument :
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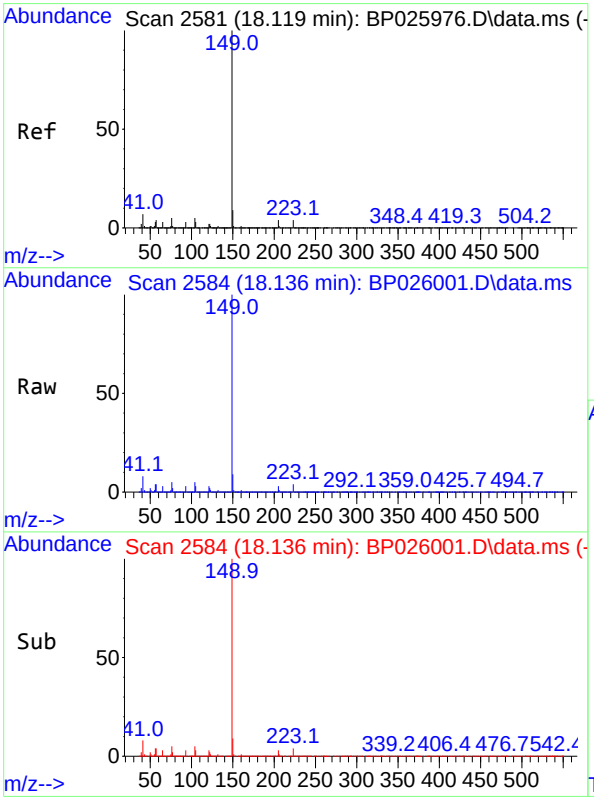
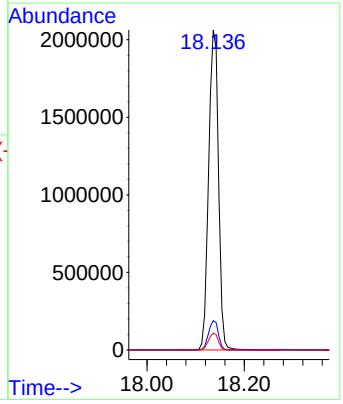
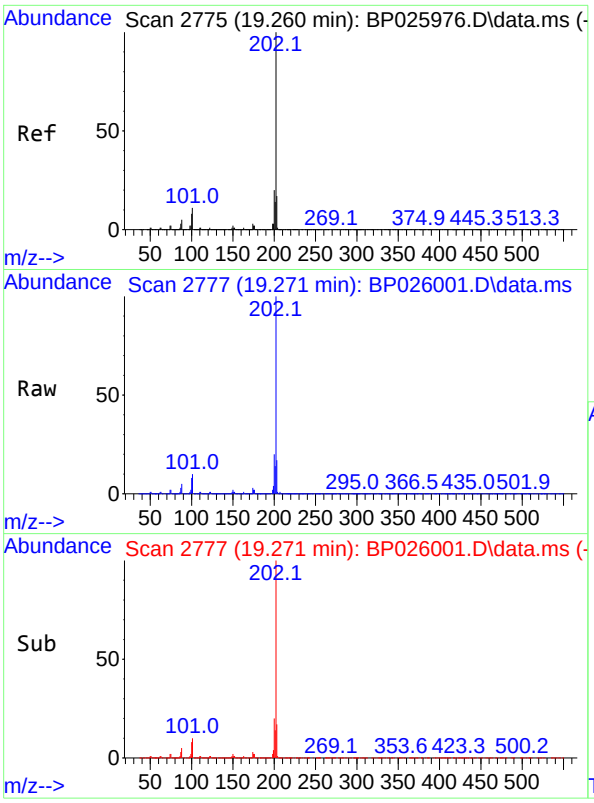


#74
Di-n-butylphthalate
Concen: 44.036 ng
RT: 18.136 min Scan# 2584
Delta R.T. 0.017 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:149 Resp: 2875174

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	5.3	4.1	6.1

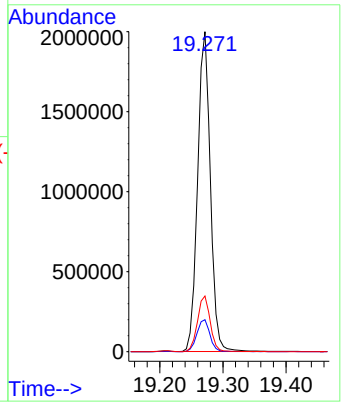




#75
Fluoranthene
Concen: 42.024 ng
RT: 19.271 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:202 Resp: 279284

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.5
203	17.4	0.0	37.1



Instrument :
BNA_P
ClientSampleId :
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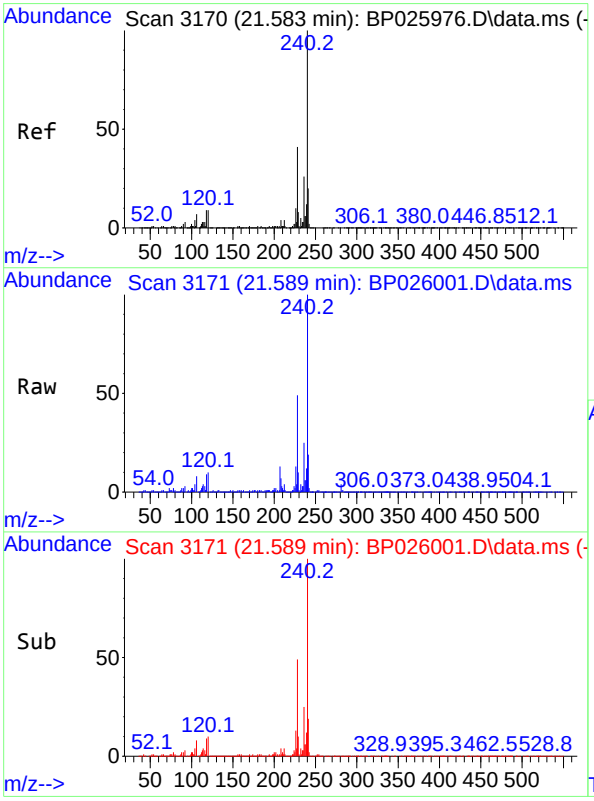
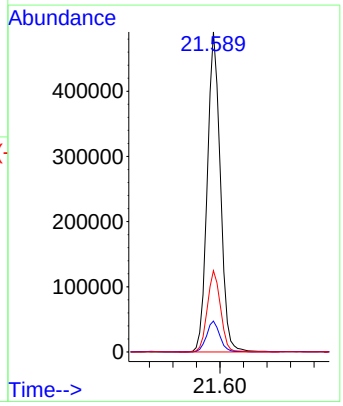
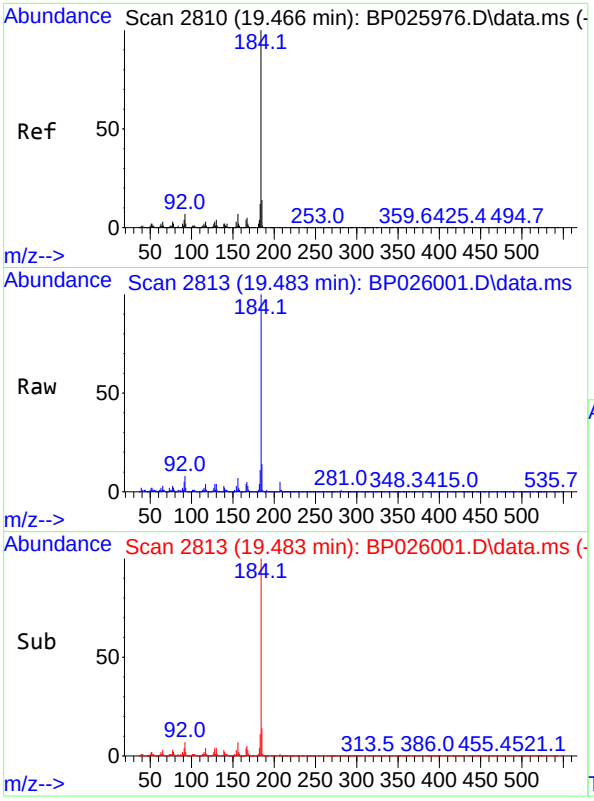


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:240 Resp: 757701

Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.4	11.0
236	25.4	20.4	30.6

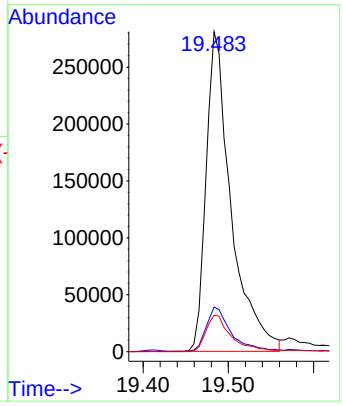




#77
Benzidine
Concen: 23.600 ng
RT: 19.483 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:184 Resp: 57295

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.4	17.0
183	11.4	9.4	14.2



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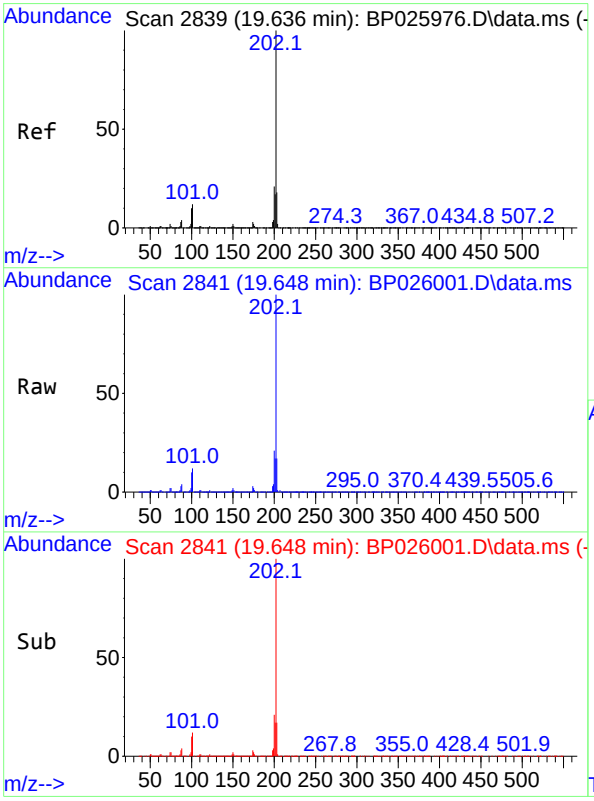
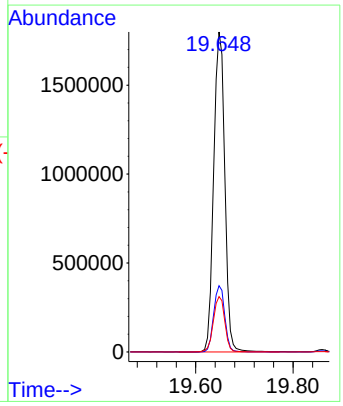
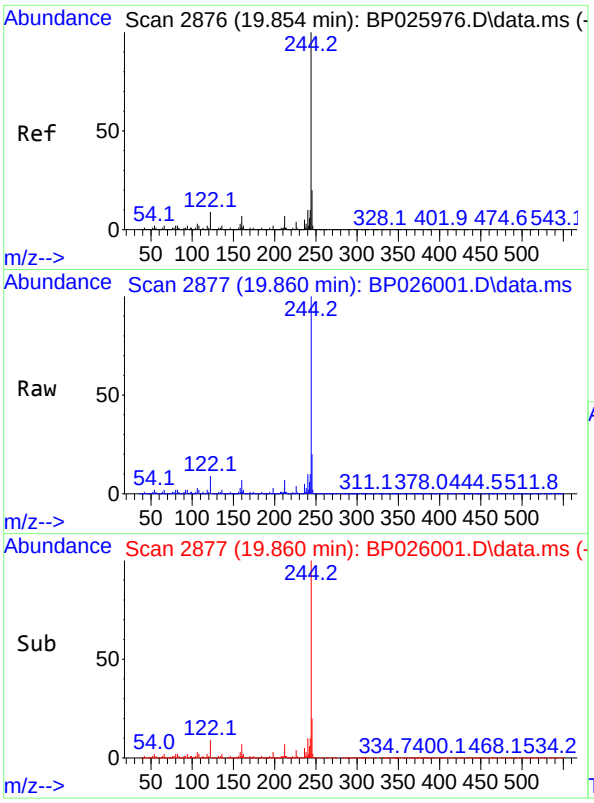


#78
Pyrene
Concen: 50.675 ng
RT: 19.648 min Scan# 2841
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:202 Resp: 2831964

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.3	14.1	21.1

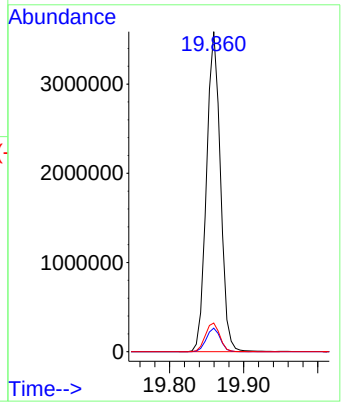




#79
Terphenyl-d14
Concen: 98.690 ng
RT: 19.860 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:244 Resp: 467891

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	9.0	7.1	10.7



Instrument :
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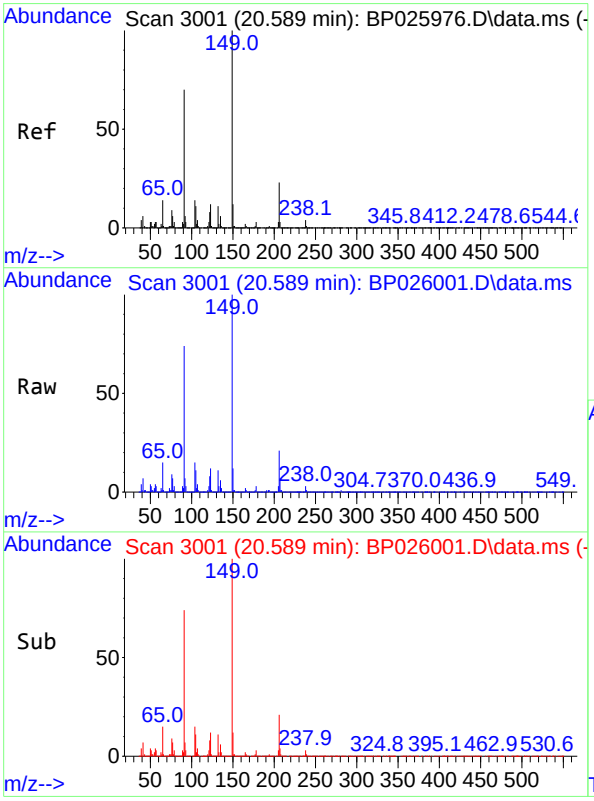
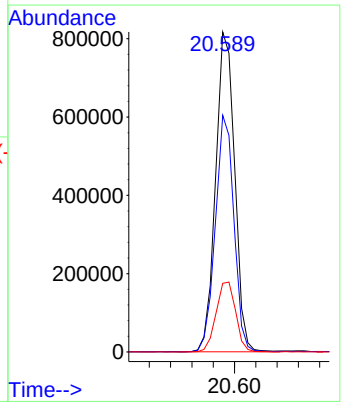
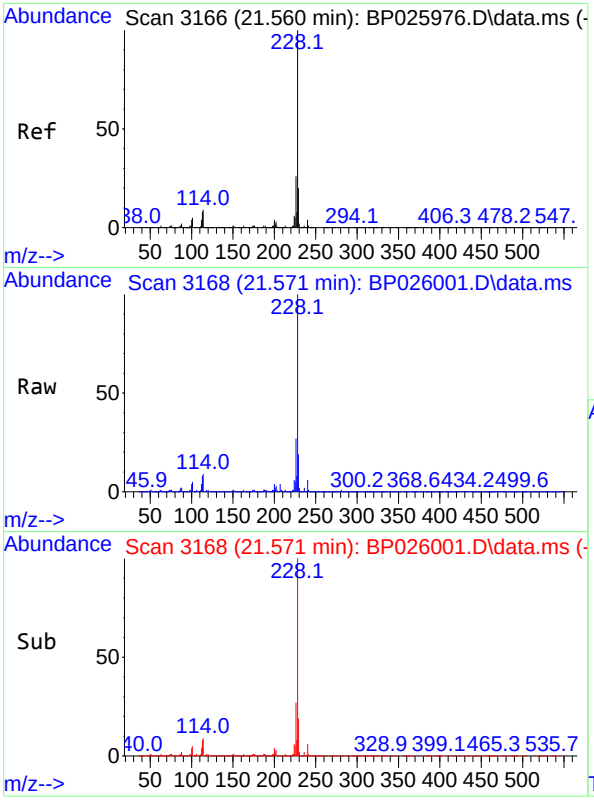


#80
Butylbenzylphthalate
Concen: 45.518 ng
RT: 20.589 min Scan# 3001
Delta R.T. -0.000 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:149 Resp: 1012271

Ion	Ratio	Lower	Upper
149	100		
91	74.0	56.0	84.0
206	21.5	18.6	27.8

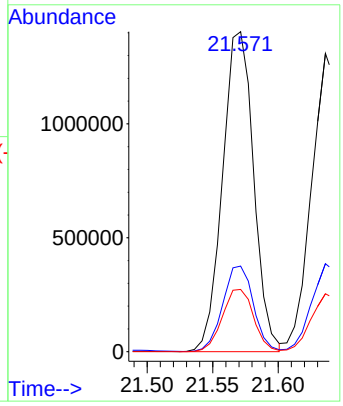




#81
Benzo(a)anthracene
Concen: 44.659 ng
RT: 21.571 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:228 Resp: 231433

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.0	31.6
229	19.5	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
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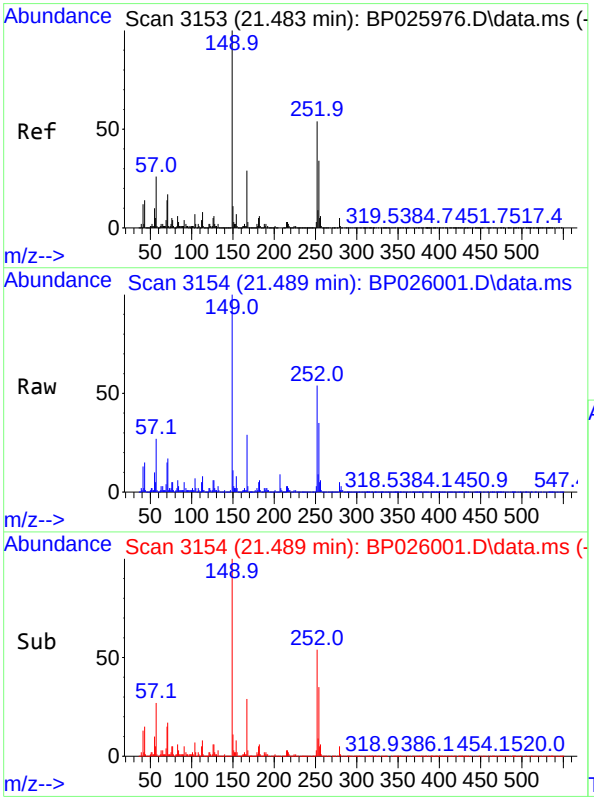
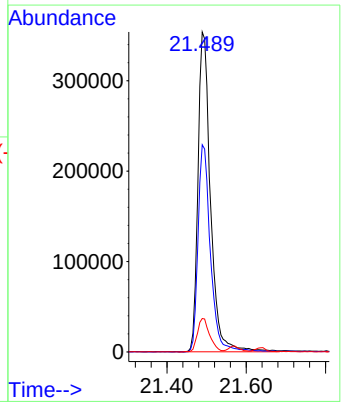
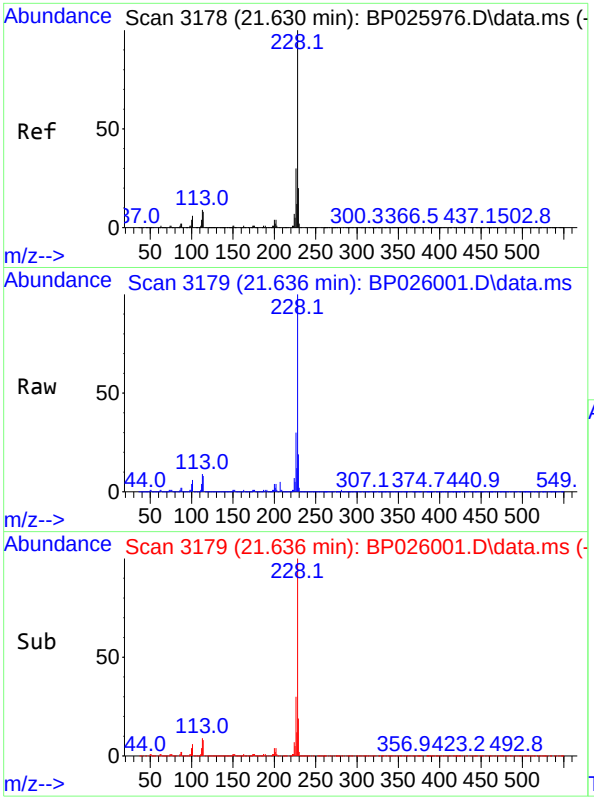


#82
3,3'-Dichlorobenzidine
Concen: 42.010 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:252 Resp: 774735

Ion	Ratio	Lower	Upper
252	100		
254	64.8	50.6	75.8
126	10.5	8.0	12.0

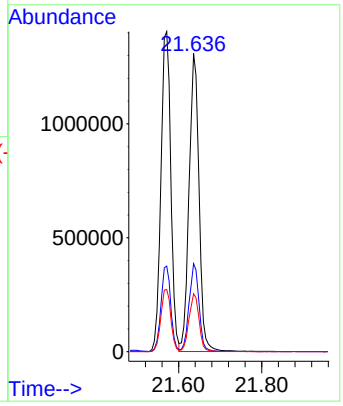




#83
Chrysene
Concen: 43.829 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:228 Resp: 217176

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.5	35.3
229	19.4	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
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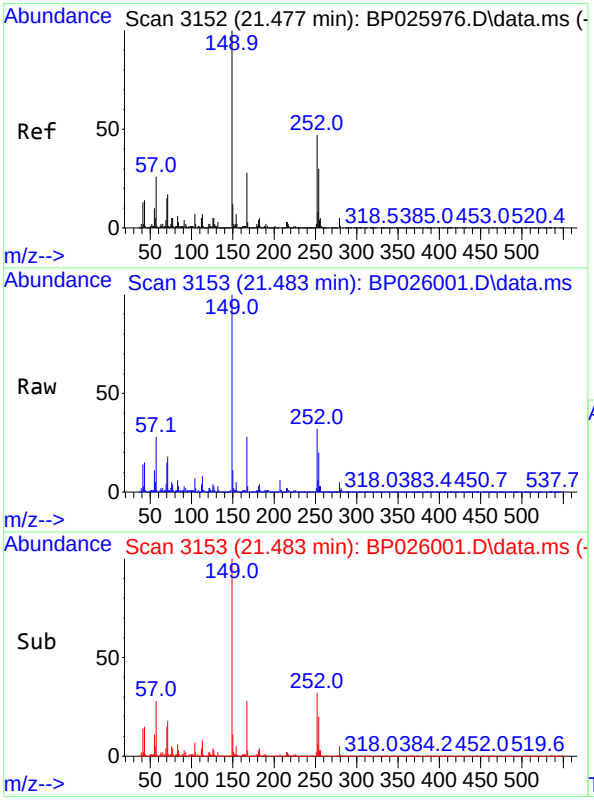
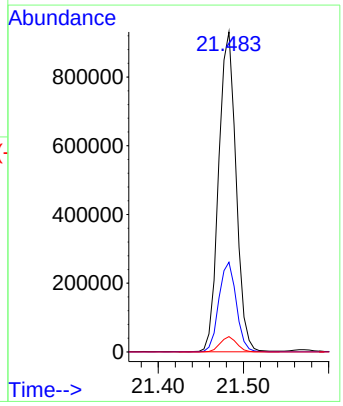
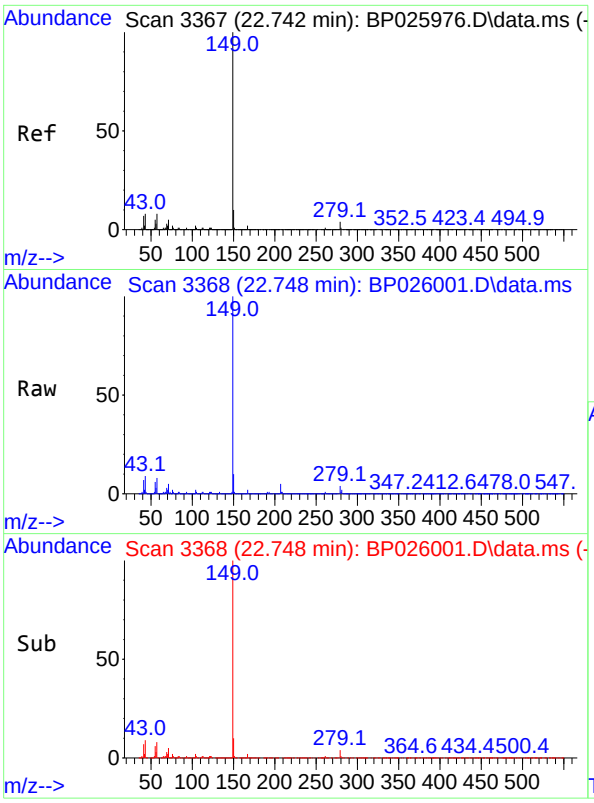


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.915 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:149 Resp: 1317574

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.8	34.2
279	4.8	3.8	5.8





#85
Di-n-octyl phthalate
Concen: 41.990 ng
RT: 22.748 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:149 Resp: 220127

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.9	7.2	10.8

Instrument :
BNA_P
ClientSampleId :
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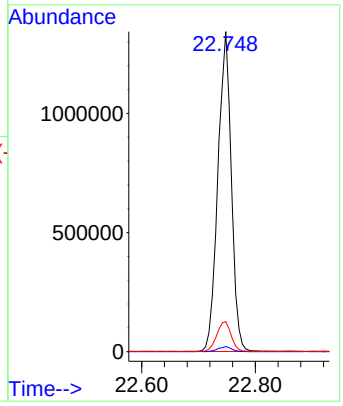

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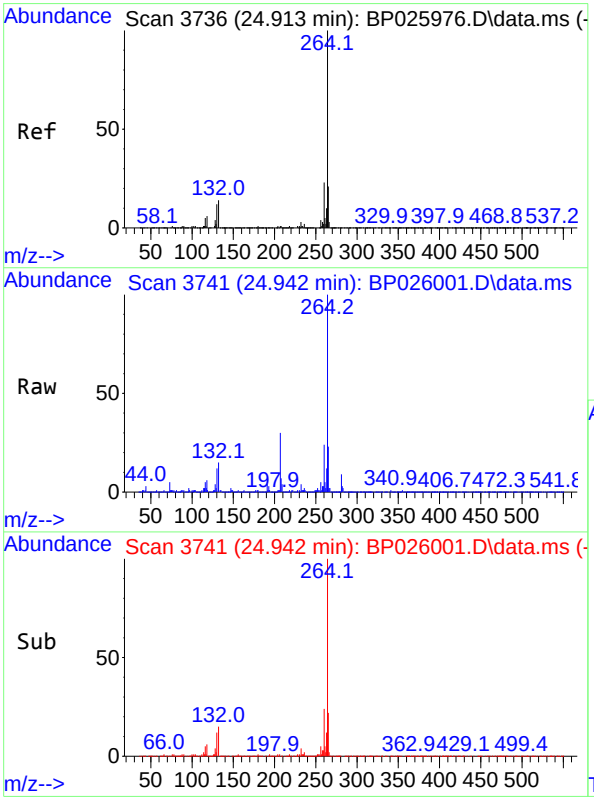
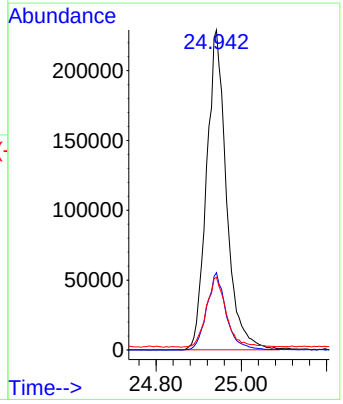
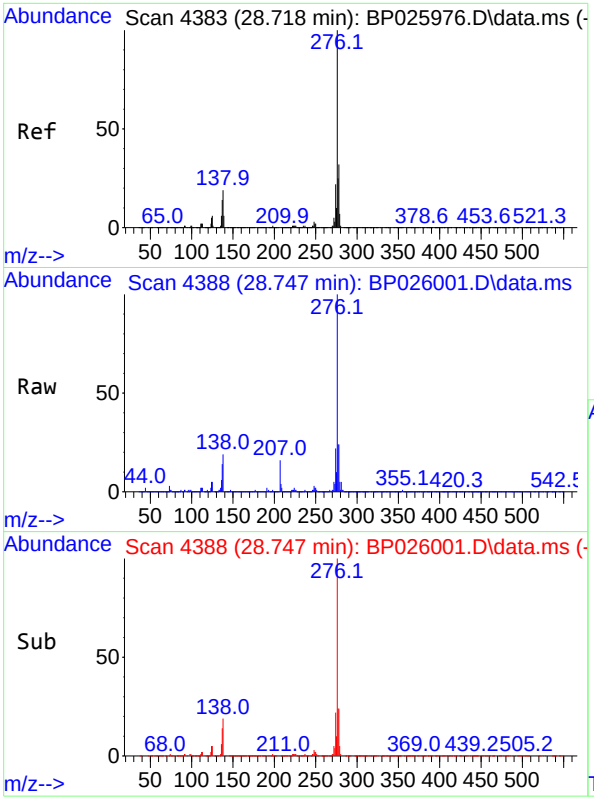


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.942 min Scan# 3741
Delta R.T. 0.029 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:264 Resp: 741579

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.4	27.6
265	22.7	17.7	26.5

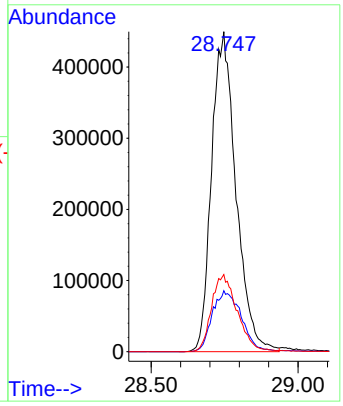




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.304 ng
RT: 28.747 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:276 Resp: 258662

Ion	Ratio	Lower	Upper
276	100		
138	22.6	17.4	26.0
277	25.3	20.3	30.5



Instrument :
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ClientSampleId :
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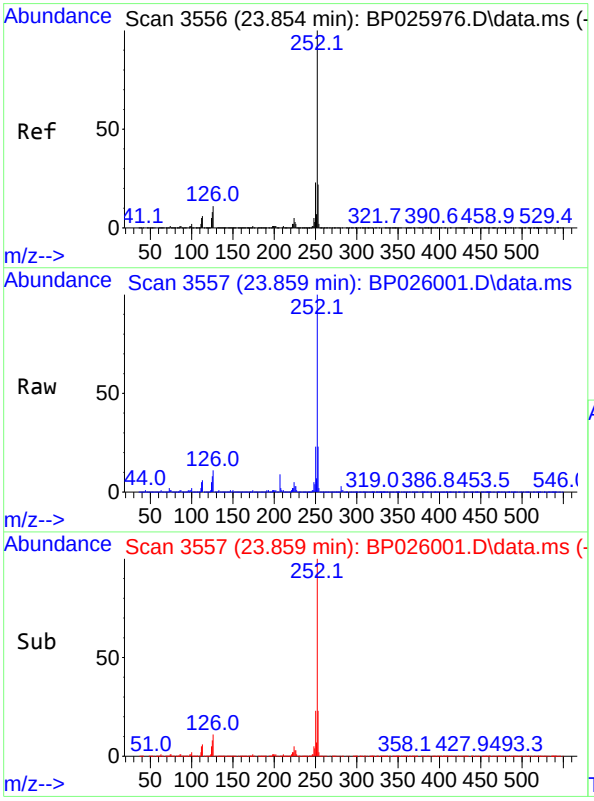
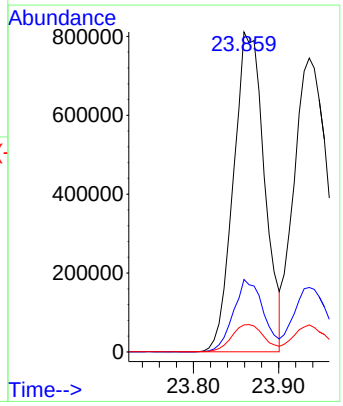
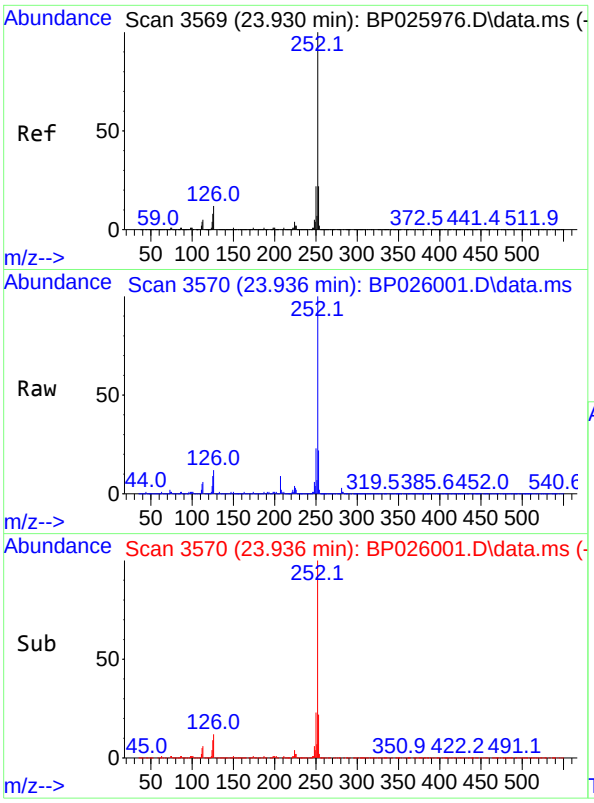


#88
Benzo(b)fluoranthene
Concen: 44.347 ng
RT: 23.859 min Scan# 3557
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:252 Resp: 2048187

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	8.5	6.8	10.2

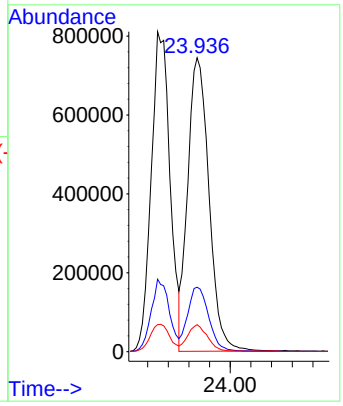




#89
Benzo(k)fluoranthene
Concen: 45.211 ng
RT: 23.936 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:252 Resp: 211912

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.2	6.6	10.0



Instrument :
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ClientSampleId :
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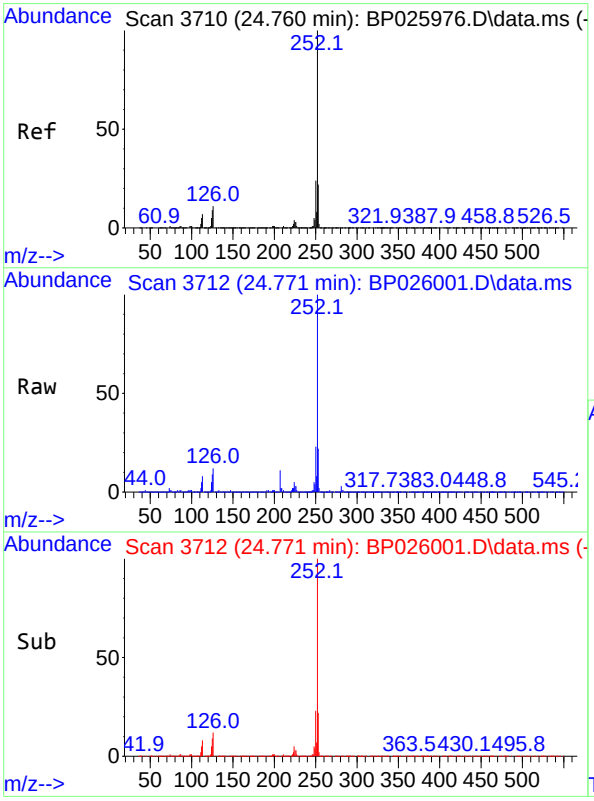
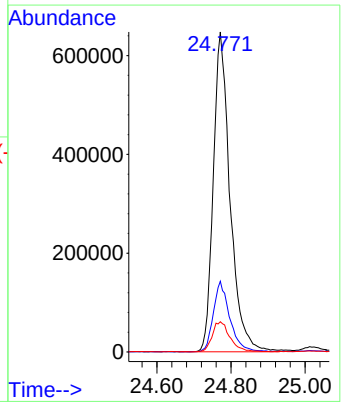
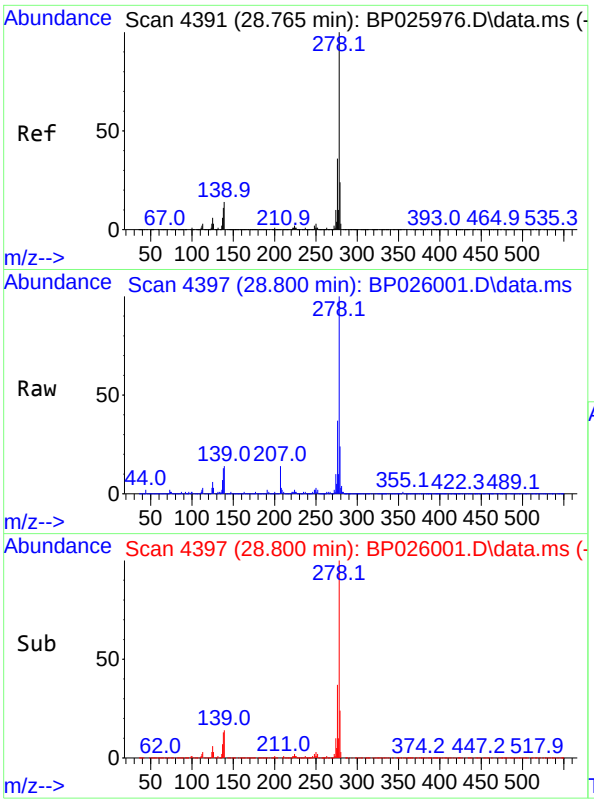


#90
Benzo(a)pyrene
Concen: 45.248 ng
RT: 24.771 min Scan# 3712
Delta R.T. 0.012 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:252 Resp: 2030494

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.5	7.4	11.2

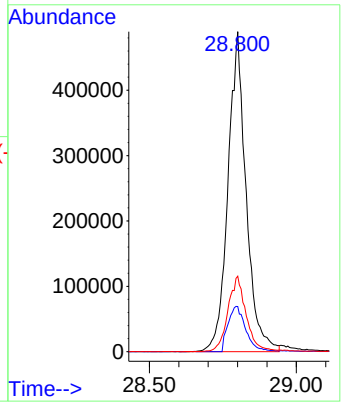




#91
Dibenzo(a,h)anthracene
Concen: 46.025 ng
RT: 28.800 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:278 Resp: 209585

Ion	Ratio	Lower	Upper
278	100		
139	14.1	10.9	16.3
279	23.6	19.5	29.3



Instrument :
BNA_P
ClientSampleId :
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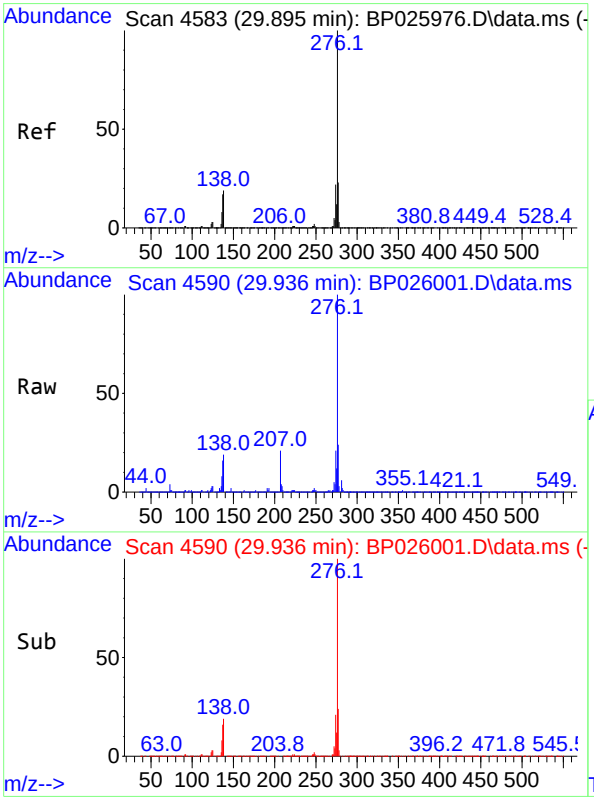
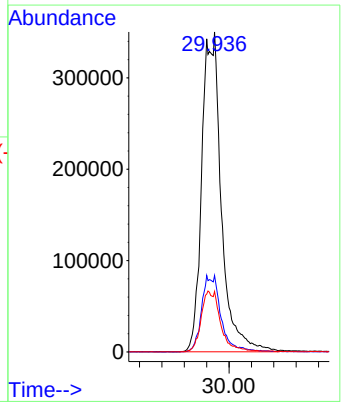


#92
Benzo(g,h,i)perylene
Concen: 47.397 ng m
RT: 29.936 min Scan# 4590
Delta R.T. 0.041 min
Lab File: BP026001.D
Acq: 22 Oct 2025 16:33

Tgt Ion:276 Resp: 2114773

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	18.9	15.5	23.3



Sample Results: **BP026001.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026001.D
Acq On : 22 Oct 2025 16:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 16:53:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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	118	0.00
2		1,4-Dioxane	0.483	0.522	-8.1	114	0.00
3		Pyridine	1.348	1.524	-13.1	118	0.00
4		n-Nitrosodimethylamine	0.591	0.748	-26.6#	134	0.00
5	S	2-Fluorophenol	1.220	1.344	-10.2	115	0.00
6		Aniline	2.279	2.565	-12.5	119	0.00
7	S	Phenol-d6	1.702	1.935	-13.7	120	0.00
8		2-Chlorophenol	1.414	1.568	-10.9	117	0.00
9		Benzaldehyde	0.908	1.064	-17.2	128	0.00
10	C	Phenol	1.719	1.976	-15.0	118	0.00
11		bis(2-Chloroethyl)ether	1.401	1.632	-16.5	122	0.00
12		1,3-Dichlorobenzene	1.567	1.710	-9.1	116	0.00
13	C	1,4-Dichlorobenzene	1.597	1.740	-9.0	116	0.00
14		1,2-Dichlorobenzene	1.562	1.690	-8.2	116	0.00
15		Benzyl Alcohol	1.449	1.670	-15.3	127	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.724	-26.2#	136	0.00
17		2-Methylphenol	1.232	1.388	-12.7	119	0.00
18		Hexachloroethane	0.609	0.669	-9.9	116	0.00
19	P	n-Nitroso-di-n-propylamine	1.214	1.494	-23.1	132	0.00
20		3+4-Methylphenols	1.717	1.935	-12.7	123	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	125	0.00
22		Acetophenone	0.544	0.606	-11.4	125	0.00
23	S	Nitrobenzene-d5	0.445	0.505	-13.5	125	0.00
24		Nitrobenzene	0.396	0.457	-15.4	127	0.00
25		Isophorone	0.799	0.921	-15.3	132	0.00
26	C	2-Nitrophenol	0.192	0.216	-12.5	122	0.00
27		2,4-Dimethylphenol	0.325	0.369	-13.5	125	0.00
28		bis(2-Chloroethoxy)methane	0.467	0.535	-14.6	129	0.00
29	C	2,4-Dichlorophenol	0.324	0.368	-13.6	127	0.00
30		1,2,4-Trichlorobenzene	0.366	0.396	-8.2	121	0.00
31		Naphthalene	1.079	1.173	-8.7	123	0.00
32		Benzoic acid	0.235	0.268	-14.0	137	0.02
33		4-Chloroaniline	0.458	0.526	-14.8	128	0.00
34	C	Hexachlorobutadiene	0.242	0.260	-7.4	121	0.00
35		Caprolactam	0.115	0.130	-13.0	138	0.00
36	C	4-Chloro-3-methylphenol	0.380	0.449	-18.2	138	0.00
37		2-Methylnaphthalene	0.706	0.788	-11.6	130	0.00
38		1-Methylnaphthalene	0.745	0.836	-12.2	131	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	137	0.00
40		1,2,4,5-Tetrachlorobenzene	0.651	0.686	-5.4	125	0.00
41	P	Hexachlorocyclopentadiene	0.329	0.323	1.8	116	0.00
42	S	2,4,6-Tribromophenol	0.269	0.287	-6.7	136	0.01
43	C	2,4,6-Trichlorophenol	0.413	0.465	-12.6	134	0.00
44		2,4,5-Trichlorophenol	0.450	0.510	-13.3	135	0.00
45	S	2-Fluorobiphenyl	1.560	1.659	-6.3	128	0.00
46		1,1'-Biphenyl	1.511	1.633	-8.1	131	0.00
47		2-Chloronaphthalene	1.181	1.276	-8.0	131	0.00

Sample Results: **BP026001.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026001.D
Acq On : 22 Oct 2025 16:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 16:53:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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	0.368	0.439	-19.3	145	0.00
49		Acenaphthylene	1.910	2.082	-9.0	134	0.00
50		Dimethylphthalate	1.512	1.675	-10.8	142	0.01
51		2,6-Dinitrotoluene	0.326	0.364	-11.7	138	0.01
52	C	Acenaphthene	1.103	1.209	-9.6	136	0.00
53		3-Nitroaniline	0.325	0.369	-13.5	140	0.00
54	P	2,4-Dinitrophenol	0.190	0.214	-12.6	146	0.00
55		Dibenzofuran	1.766	1.920	-8.7	134	0.00
56	P	4-Nitrophenol	0.197	0.184	6.6	151#	0.01
57		2,4-Dinitrotoluene	0.442	0.512	-15.8	145	0.02
58		Fluorene	1.419	1.568	-10.5	139	0.00
59		2,3,4,6-Tetrachlorophenol	0.404	0.448	-10.9	141	0.00
60		Diethylphthalate	1.491	1.692	-13.5	147	0.01
61		4-Chlorophenyl-phenylether	0.746	0.815	-9.2	139	0.01
62		4-Nitroaniline	0.301	0.345	-14.6	143	0.01
63		Azobenzene	1.389	1.631	-17.4	148	0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	145	0.02
65		4,6-Dinitro-2-methylphenol	0.145	0.164	-13.1	148	0.01
66	c	n-Nitrosodiphenylamine	0.643	0.714	-11.0	142	0.02
67		4-Bromophenyl-phenylether	0.247	0.267	-8.1	138	0.01
68		Hexachlorobenzene	0.277	0.291	-5.1	136	0.02
69		Atrazine	0.232	0.258	-11.2	145	0.02
70	C	Pentachlorophenol	0.150	0.170	-13.3	151#	0.01
71		Phenanthrene	1.134	1.257	-10.8	145	0.02
72		Anthracene	1.158	1.279	-10.4	141	0.02
73		Carbazole	1.021	1.128	-10.5	144	0.01
74		Di-n-butylphthalate	1.256	1.383	-10.1	145	0.02
75	C	Fluoranthene	1.279	1.343	-5.0	137	0.01
76	I	Chrysene-d12	1.000	1.000	0.0	112	0.00
77		Benzidine	0.641	0.378	41.0#	60	0.02
78		Pyrene	1.475	1.869	-26.7#	136	0.01
79	S	Terphenyl-d14	1.251	1.544	-23.4	132	0.00
80		Butylbenzylphthalate	0.587	0.668	-13.8	115	0.00
81		Benzo(a)anthracene	1.368	1.527	-11.6	112	0.01
82		3,3'-Dichlorobenzidine	0.487	0.511	-4.9	103	0.00
83		Chrysene	1.308	1.433	-9.6	111	0.00
84		Bis(2-ethylhexyl)phthalate	0.810	0.869	-7.3	105	0.00
85	c	Di-n-octyl phthalate	1.384	1.453	-5.0	98	0.00
86	I	Perylene-d12	1.000	1.000	0.0	97	0.03
87		Indeno(1,2,3-cd)pyrene	1.507	1.744	-15.7	99	0.03
88		Benzo(b)fluoranthene	1.246	1.381	-10.8	98	0.00
89		Benzo(k)fluoranthene	1.264	1.429	-13.1	100	0.00
90	C	Benzo(a)pyrene	1.210	1.369	-13.1	99	0.01
91		Dibenzo(a,h)anthracene	1.228	1.413	-15.1	98	0.04
92		Benzo(g,h,i)perylene	1.203	1.426	-18.5	101	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026001.D
Acq On : 22 Oct 2025 16:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 16:53:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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: **BP026001.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026001.D
Acq On : 22 Oct 2025 16:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 16:53:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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	118	0.00
2		1,4-Dioxane	40.000	43.220	-8.0	114	0.00
3		Pyridine	40.000	45.219	-13.0	118	0.00
4		n-Nitrosodimethylamine	40.000	50.652	-26.6#	134	0.00
5	S	2-Fluorophenol	80.000	88.109	-10.1	115	0.00
6		Aniline	40.000	45.024	-12.6	119	0.00
7	S	Phenol-d6	80.000	90.917	-13.6	120	0.00
8		2-Chlorophenol	40.000	44.376	-10.9	117	0.00
9		Benzaldehyde	40.000	46.870	-17.2	128	0.00
10	C	Phenol	40.000	45.982	-15.0	118	0.00
11		bis(2-Chloroethyl)ether	40.000	46.593	-16.5	122	0.00
12		1,3-Dichlorobenzene	40.000	43.640	-9.1	116	0.00
13	C	1,4-Dichlorobenzene	40.000	43.572	-8.9	116	0.00
14		1,2-Dichlorobenzene	40.000	43.277	-8.2	116	0.00
15		Benzyl Alcohol	40.000	46.103	-15.3	127	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	50.492	-26.2#	136	0.00
17		2-Methylphenol	40.000	45.077	-12.7	119	0.00
18		Hexachloroethane	40.000	43.894	-9.7	116	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	49.259	-23.1	132	0.00
20		3+4-Methylphenols	40.000	45.095	-12.7	123	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	125	0.00
22		Acetophenone	40.000	44.603	-11.5	125	0.00
23	S	Nitrobenzene-d5	80.000	90.776	-13.5	125	0.00
24		Nitrobenzene	40.000	46.184	-15.5	127	0.00
25		Isophorone	40.000	46.094	-15.2	132	0.00
26	C	2-Nitrophenol	40.000	45.080	-12.7	122	0.00
27		2,4-Dimethylphenol	40.000	45.393	-13.5	125	0.00
28		bis(2-Chloroethoxy)methane	40.000	45.815	-14.5	129	0.00
29	C	2,4-Dichlorophenol	40.000	45.449	-13.6	127	0.00
30		1,2,4-Trichlorobenzene	40.000	43.193	-8.0	121	0.00
31		Naphthalene	40.000	43.504	-8.8	123	0.00
32		Benzoic acid	40.000	45.557	-13.9	137	0.02
33		4-Chloroaniline	40.000	45.890	-14.7	128	0.00
34	C	Hexachlorobutadiene	40.000	42.965	-7.4	121	0.00
35		Caprolactam	40.000	45.000	-12.5	138	0.00
36	C	4-Chloro-3-methylphenol	40.000	47.245	-18.1	138	0.00
37		2-Methylnaphthalene	40.000	44.646	-11.6	130	0.00
38		1-Methylnaphthalene	40.000	44.881	-12.2	131	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	137	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.164	-5.4	125	0.00
41	P	Hexachlorocyclopentadiene	40.000	36.760	8.1	116	0.00
42	S	2,4,6-Tribromophenol	80.000	85.406	-6.8	136	0.01
43	C	2,4,6-Trichlorophenol	40.000	45.015	-12.5	134	0.00
44		2,4,5-Trichlorophenol	40.000	45.352	-13.4	135	0.00
45	S	2-Fluorobiphenyl	80.000	85.056	-6.3	128	0.00
46		1,1'-Biphenyl	40.000	43.232	-8.1	131	0.00
47		2-Chloronaphthalene	40.000	43.198	-8.0	131	0.00

Sample Results: **BP026001.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026001.D
Acq On : 22 Oct 2025 16:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 16:53:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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	47.744	-19.4	145	0.00
49		Acenaphthylene	40.000	43.612	-9.0	134	0.00
50		Dimethylphthalate	40.000	44.315	-10.8	142	0.01
51		2,6-Dinitrotoluene	40.000	44.613	-11.5	138	0.01
52	C	Acenaphthene	40.000	43.839	-9.6	136	0.00
53		3-Nitroaniline	40.000	45.428	-13.6	140	0.00
54	P	2,4-Dinitrophenol	40.000	41.482	-3.7	146	0.00
55		Dibenzofuran	40.000	43.476	-8.7	134	0.00
56	P	4-Nitrophenol	40.000	37.327	6.7	151	0.01
57		2,4-Dinitrotoluene	40.000	46.281	-15.7	145	0.02
58		Fluorene	40.000	44.185	-10.5	139	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.318	-10.8	141	0.00
60		Diethylphthalate	40.000	45.420	-13.6	147	0.01
61		4-Chlorophenyl-phenylether	40.000	43.677	-9.2	139	0.01
62		4-Nitroaniline	40.000	45.874	-14.7	143	0.01
63		Azobenzene	40.000	46.950	-17.4	148	0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	145	0.02
65		4,6-Dinitro-2-methylphenol	40.000	45.430	-13.6	148	0.01
66	c	n-Nitrosodiphenylamine	40.000	44.362	-10.9	142	0.02
67		4-Bromophenyl-phenylether	40.000	43.278	-8.2	138	0.01
68		Hexachlorobenzene	40.000	42.078	-5.2	136	0.02
69		Atrazine	40.000	44.435	-11.1	145	0.02
70	C	Pentachlorophenol	40.000	45.506	-13.8	151	0.01
71		Phenanthrene	40.000	44.354	-10.9	145	0.02
72		Anthracene	40.000	44.169	-10.4	141	0.02
73		Carbazole	40.000	44.216	-10.5	144	0.01
74		Di-n-butylphthalate	40.000	44.036	-10.1	145	0.02
75	C	Fluoranthene	40.000	42.024	-5.1	137	0.01
76	I	Chrysene-d12	20.000	20.000	0.0	112	0.00
77		Benzidine	40.000	23.600	41.0#	60	0.02
78		Pyrene	40.000	50.675	-26.7#	136	0.01
79	S	Terphenyl-d14	80.000	98.690	-23.4	132	0.00
80		Butylbenzylphthalate	40.000	45.518	-13.8	115	0.00
81		Benzo(a)anthracene	40.000	44.659	-11.6	112	0.01
82		3,3'-Dichlorobenzidine	40.000	42.010	-5.0	103	0.00
83		Chrysene	40.000	43.829	-9.6	111	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.915	-7.3	105	0.00
85	c	Di-n-octyl phthalate	40.000	41.990	-5.0	98	0.00
86	I	Perylene-d12	20.000	20.000	0.0	97	0.03
87		Indeno(1,2,3-cd)pyrene	40.000	46.304	-15.8	99	0.03
88		Benzo(b)fluoranthene	40.000	44.347	-10.9	98	0.00
89		Benzo(k)fluoranthene	40.000	45.211	-13.0	100	0.00
90	C	Benzo(a)pyrene	40.000	45.248	-13.1	99	0.01
91		Dibenzo(a,h)anthracene	40.000	46.025	-15.1	98	0.04
92		Benzo(g,h,i)perylene	40.000	47.397	-18.5	101	0.04

Sample Results: **BP026001.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026001.D
Acq On : 22 Oct 2025 16:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 16:53:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 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

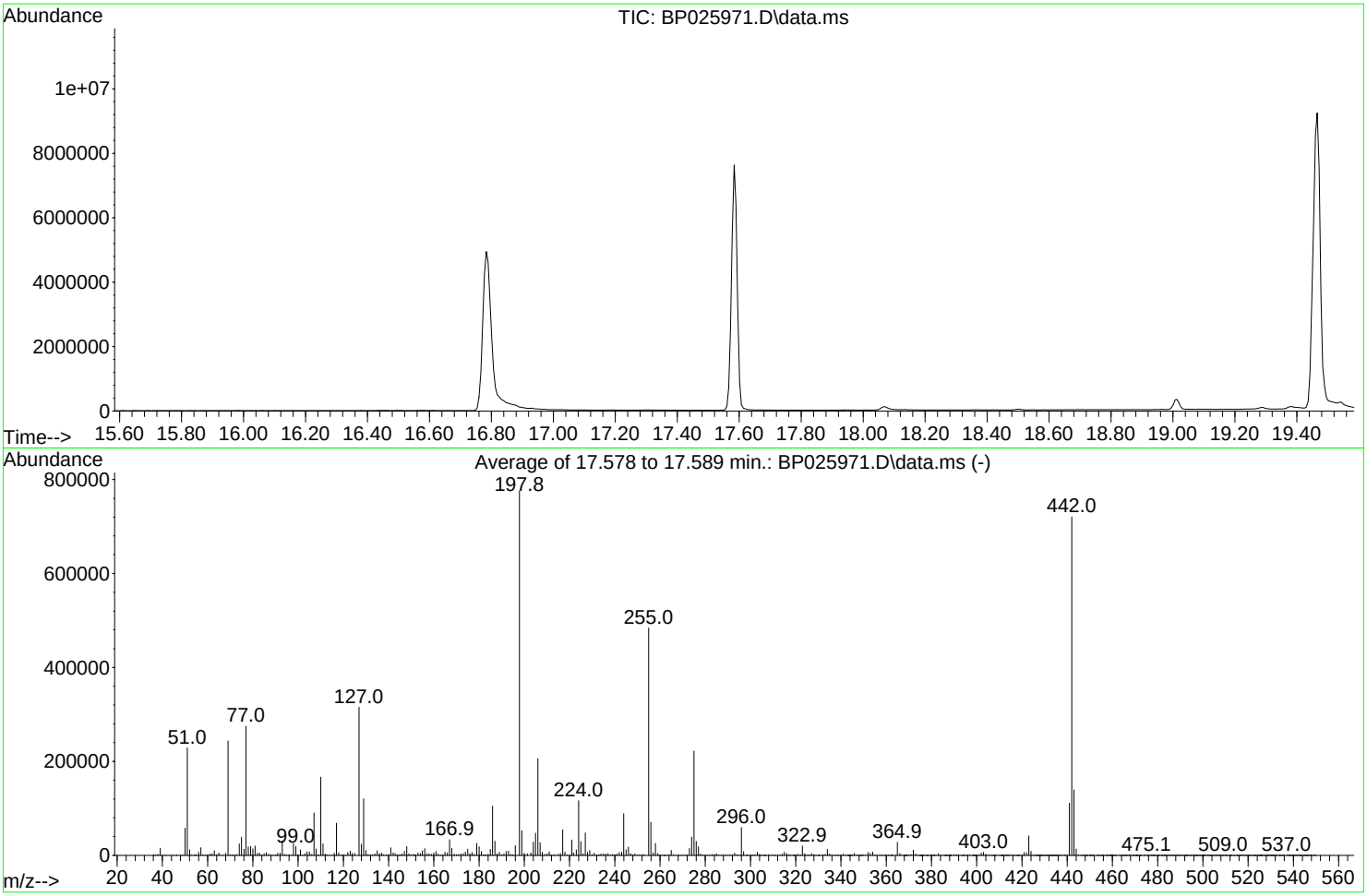
Sample Results: **BP025971.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025971.D
Acq On : 15 Oct 2025 11:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 15 23:48:51 2025



AutoFind: Scans 2489, 2490, 2491; Background Corrected with Scan 2480

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	4327	PASS
69	69	100	100	100.0	243851	PASS
70	69	0.00	2	0.6	1362	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	775661	PASS
199	198	5	9	6.8	52652	PASS
365	198	1	100	3.6	27562	PASS
441	443	0.01	150	79.8	111264	PASS
442	442	100	100	100.0	720555	PASS
443	442	15	24	19.3	139424	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/15/2025	BNA_P	BP025971.D
Compound Name	**Response**	**Retention Time**
DDT	3045613	20.742
DDD	21056	20.33
DDE	939	19.007
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
21995	3067608	0.72

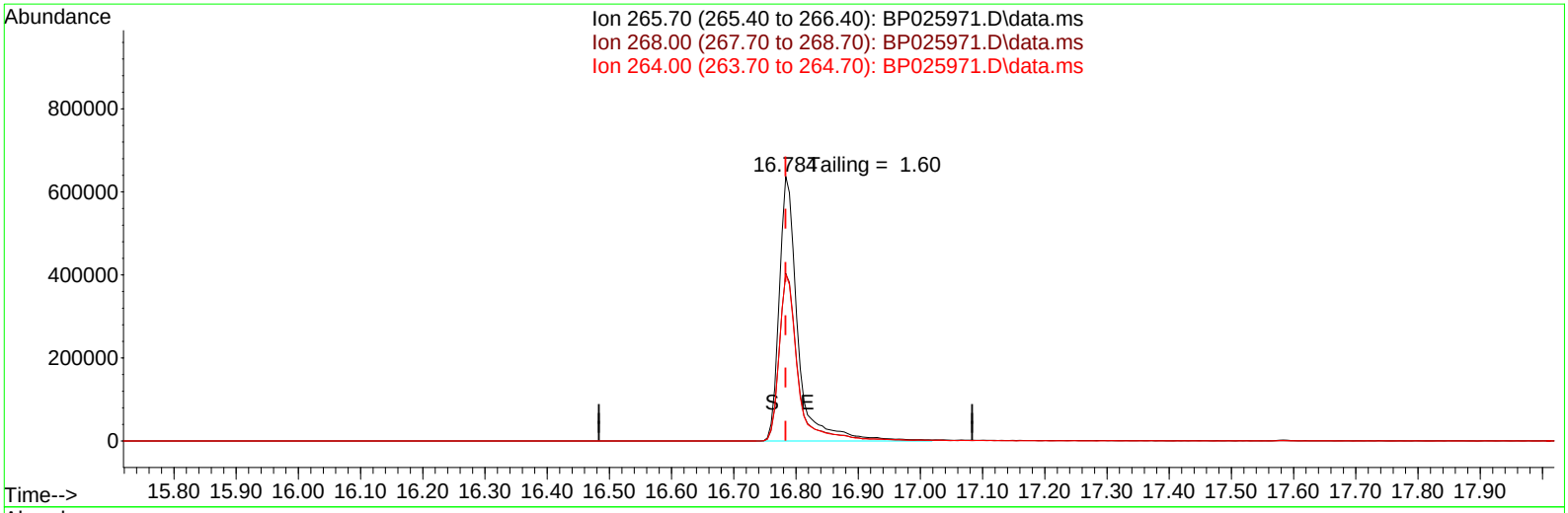
Instrument :
BNA_P
ClientSampleId :
DFTPP

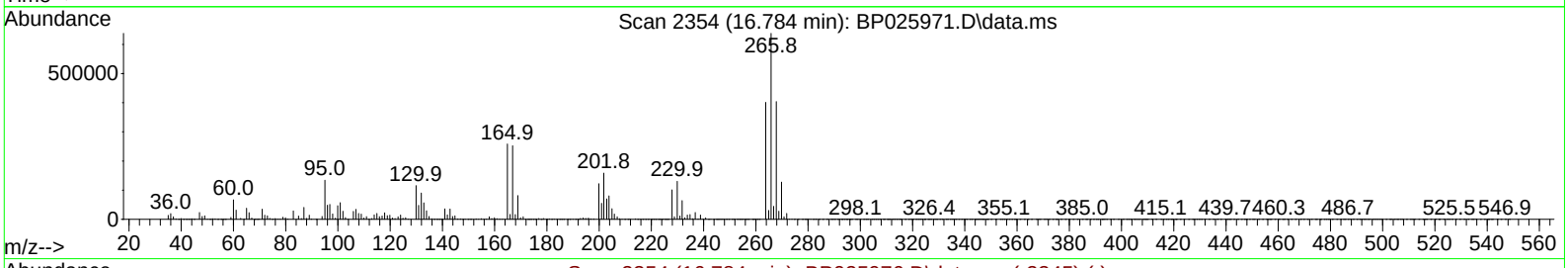
Sample Results: **BP025971.D**

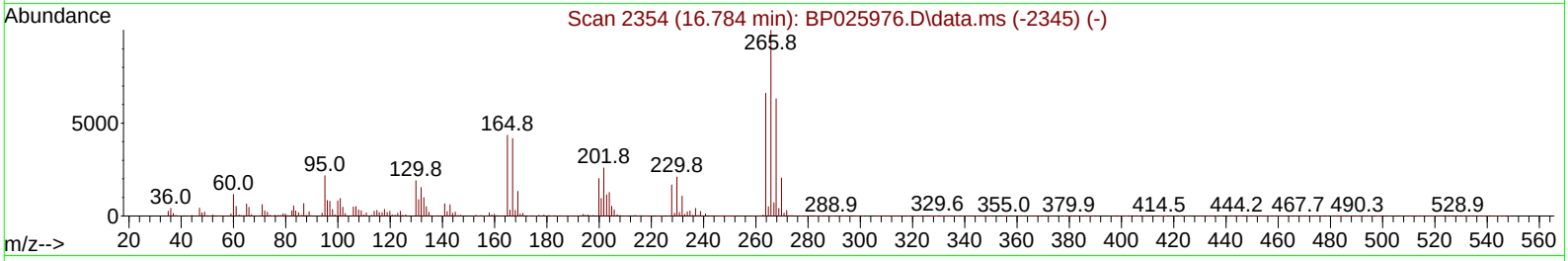
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025971.D
Acq On : 15 Oct 2025 11:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 17 00:50:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration







TIC: BP025971.D\data.ms

(70) Pentachlorophenol (C)

16.784min (-0.000) 483538.38 ng

response 1341024

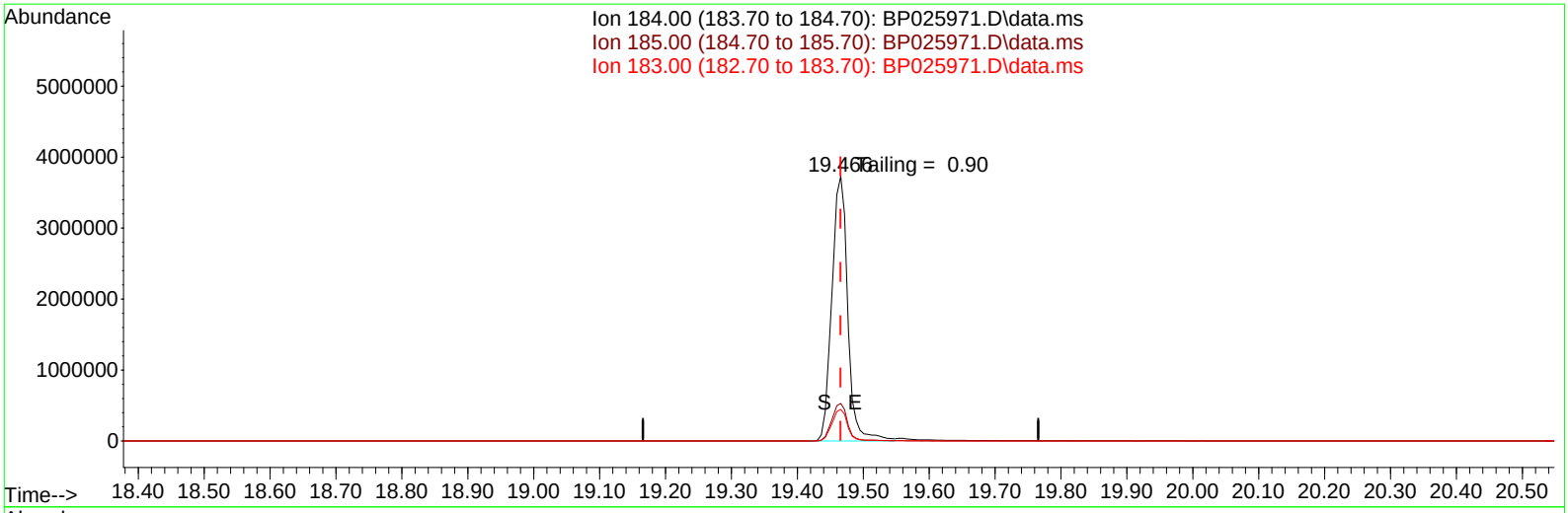
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	63.29
264.00	66.10	62.92
0.00	0.00	0.00

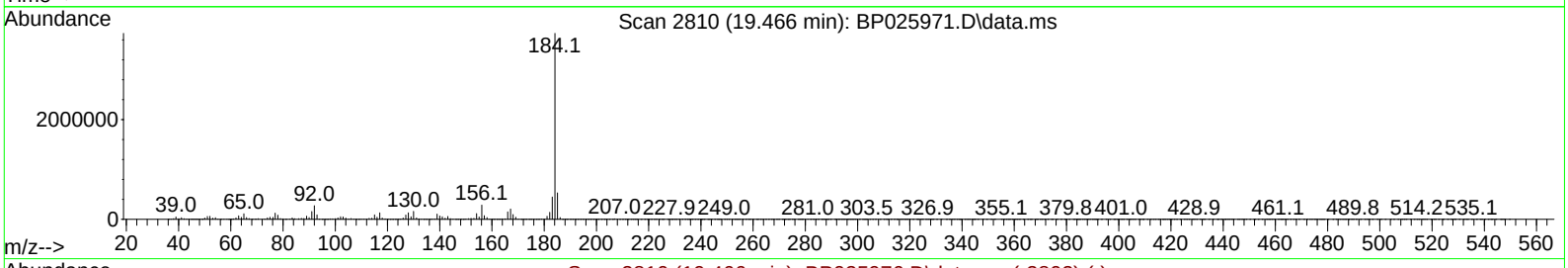
Sample Results: **BP025971.D**

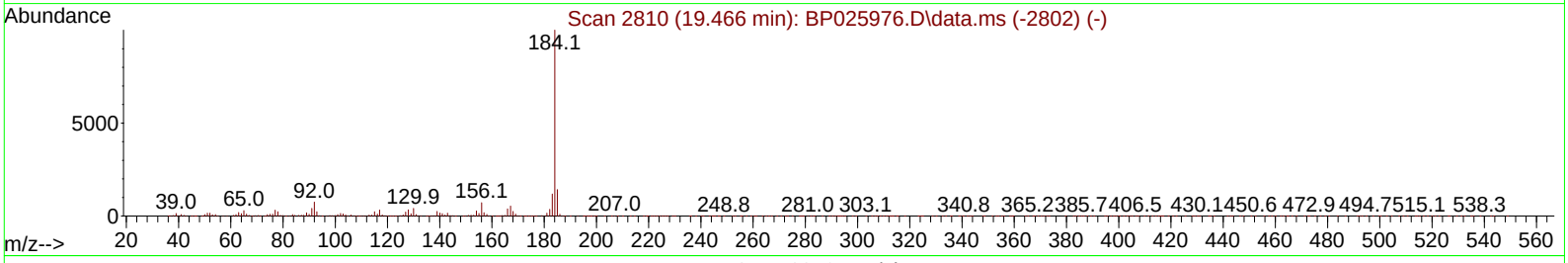
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101525\
Data File : BP025971.D
Acq On : 15 Oct 2025 11:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 17 00:50:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration







TIC: BP025971.D\data.ms

(77) Benzidine

19.466min (0.000) 636250.68 ng

response 6258686

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.21
183.00	11.80	11.97
0.00	0.00	0.00

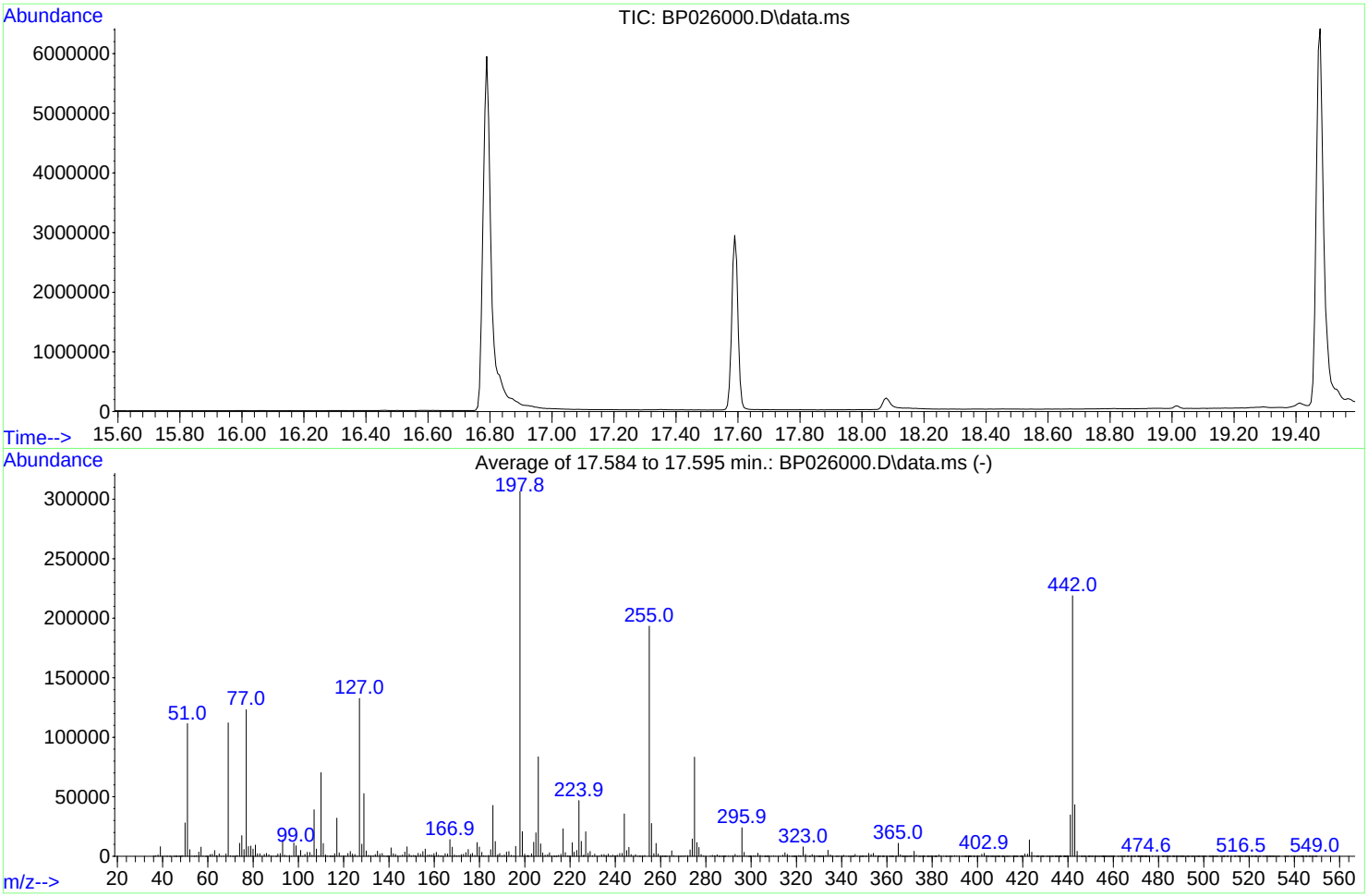
Sample Results: **BP026000.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026000.D
Acq On : 22 Oct 2025 15:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 15 23:48:51 2025



AutoFind: Scans 2490, 2491, 2492; Background Corrected with Scan 2480

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	1999	PASS
69	69	100	100	100.0	112155	PASS
70	69	0.00	2	0.5	550	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	306422	PASS
199	198	5	9	6.8	20701	PASS
365	198	1	100	3.6	10940	PASS
441	443	0.01	150	80.2	34763	PASS
442	442	100	100	100.0	218979	PASS
443	442	15	24	19.8	43336	PASS

DDT Breakdown

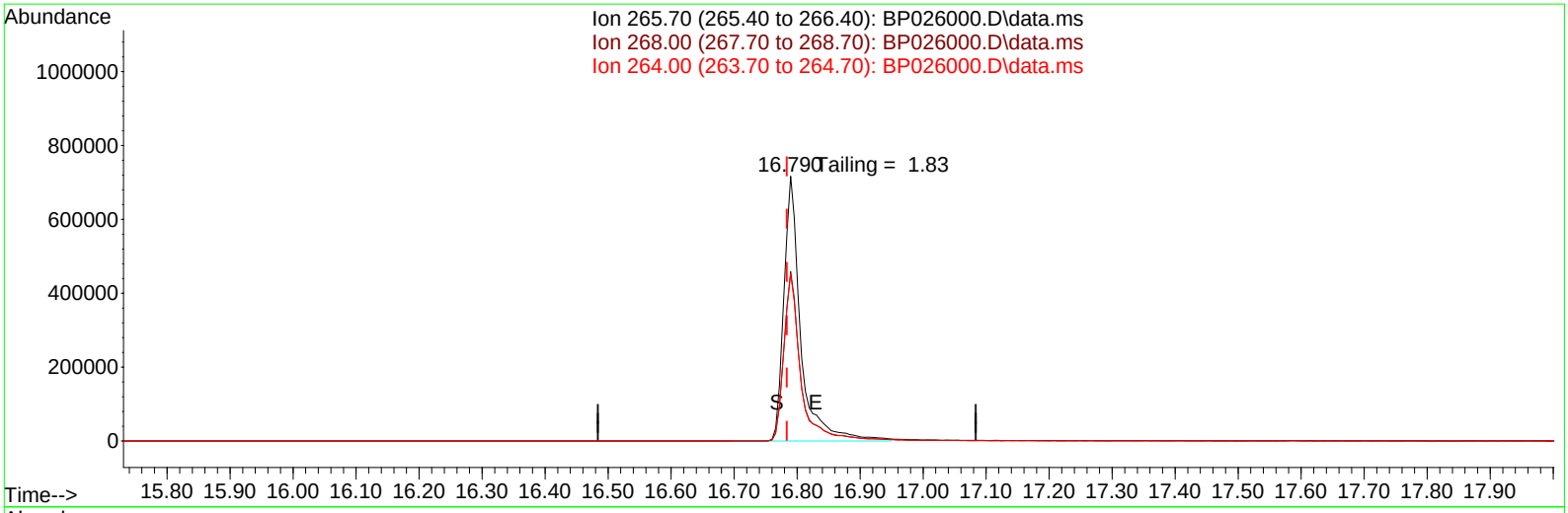
Date	Instrument Name	DFTPP Data File
10/22/2025	BNA_P	BP026000.D
Compound Name	**Response**	**Retention Time**
DDT	1259216	20.754
DDD	12048	20.307
DDE	246	19.86
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
12294	1271510	0.97

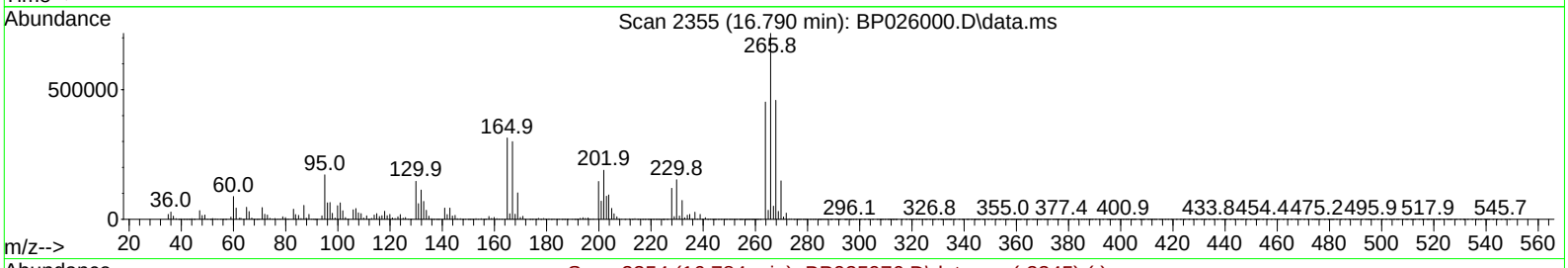
Instrument :
BNA_P
ClientSampleId :
DFTPP

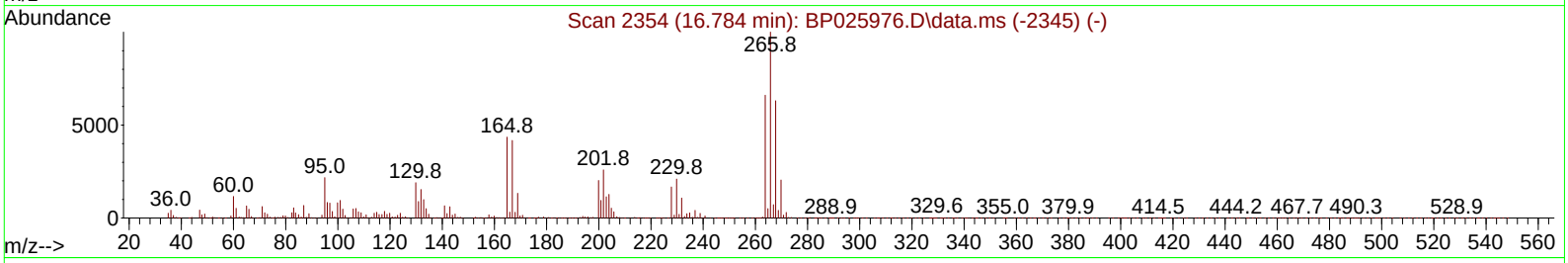
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026000.D
Acq On : 22 Oct 2025 15:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 22 16:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration







TIC: BP026000.D\data.ms

(70) Pentachlorophenol (C)

16.790min (+ 0.006) 9533301.26 ng

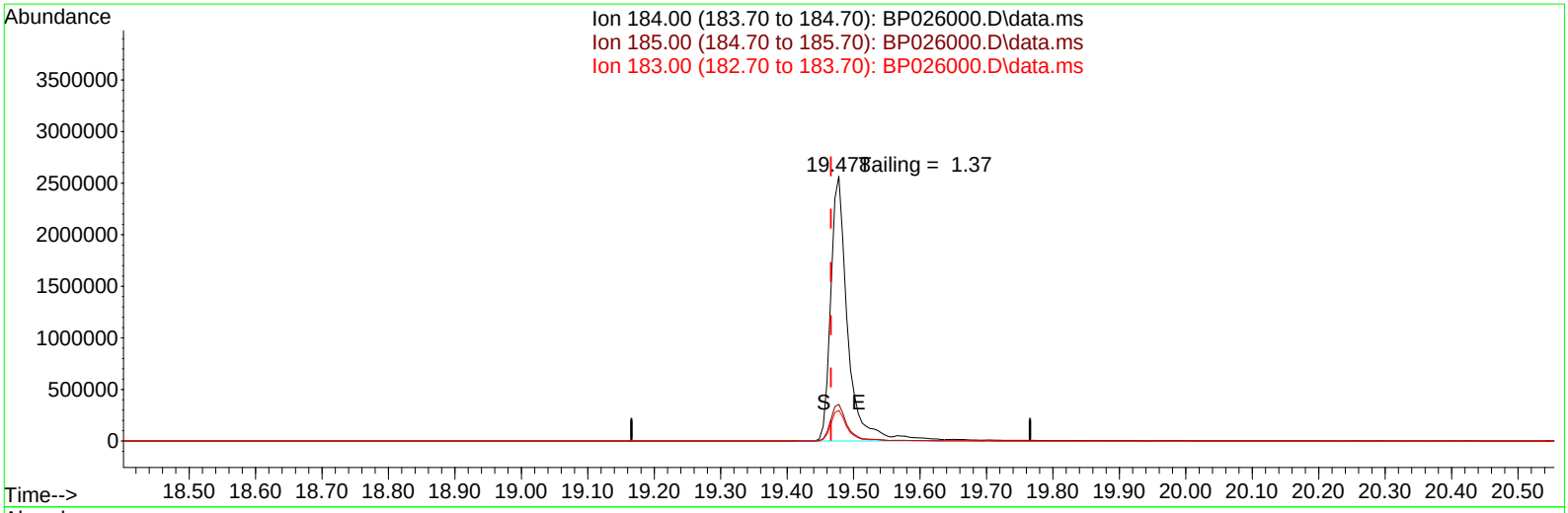
response 1354031

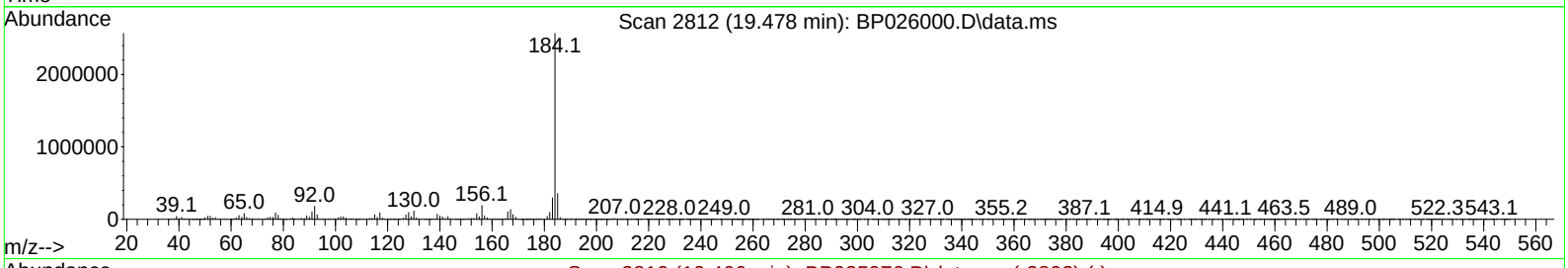
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	64.01
264.00	66.10	63.05
0.00	0.00	0.00

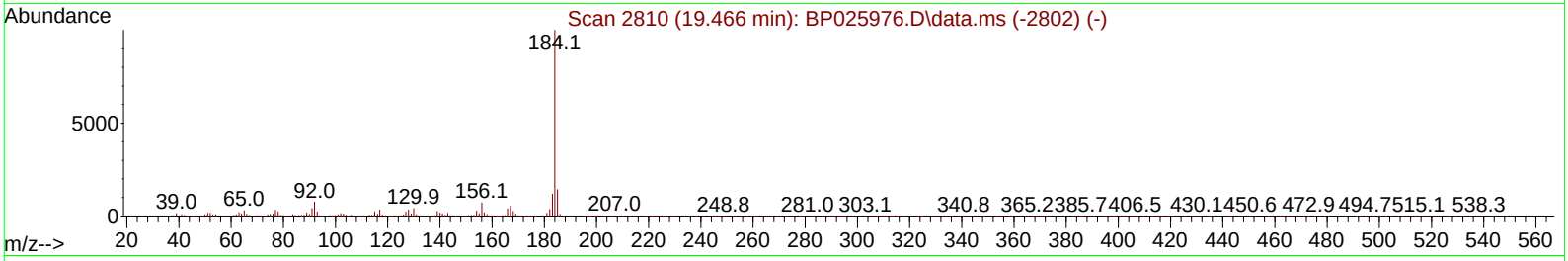
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026000.D
Acq On : 22 Oct 2025 15:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 22 16:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration







TIC: BP026000.D\data.ms

(77) Benzidine

19.478min (+ 0.012) 2937951.43 ng

response 4424447

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	13.86
183.00	11.80	11.60
0.00	0.00	0.00

Raw Data: **BP026002.D**

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

Report of Analysis

Client:	ICE Service Group, Inc.			Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY			Date Received:	
Client Sample ID:	PB170216BL			SDG No.:	Q3399
Lab Sample ID:	PB170216BL			Matrix:	TCLP
Analytical Method:	8270E	Level : LOW		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL		Test:	TCLP BNA
Prep Method :		Prep Date: 10/22/25			

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	5.00	U	1	1.30	5.00	ug/L	10/22/25 17:14	PB170216
106-46-7	1,4-Dichlorobenzene	5.00	U	1	0.53	5.00	ug/L	10/22/25 17:14	PB170216
95-48-7	2-Methylphenol	5.00	U	1	1.10	5.00	ug/L	10/22/25 17:14	PB170216
65794-96-9	3+4-Methylphenols	10.0	U	1	1.10	10.0	ug/L	10/22/25 17:14	PB170216
67-72-1	Hexachloroethane	5.00	U	1	0.65	5.00	ug/L	10/22/25 17:14	PB170216
98-95-3	Nitrobenzene	5.00	U	1	0.76	5.00	ug/L	10/22/25 17:14	PB170216
87-68-3	Hexachlorobutadiene	5.00	U	1	0.54	5.00	ug/L	10/22/25 17:14	PB170216
88-06-2	2,4,6-Trichlorophenol	5.00	U	1	0.51	5.00	ug/L	10/22/25 17:14	PB170216
95-95-4	2,4,5-Trichlorophenol	5.00	U	1	0.62	5.00	ug/L	10/22/25 17:14	PB170216
121-14-2	2,4-Dinitrotoluene	5.00	U	1	1.20	5.00	ug/L	10/22/25 17:14	PB170216
118-74-1	Hexachlorobenzene	5.00	U	1	0.52	5.00	ug/L	10/22/25 17:14	PB170216
87-86-5	Pentachlorophenol	10.0	U	1	1.60	10.0	ug/L	10/22/25 17:14	PB170216
SURROGATES									
367-12-4	2-Fluorophenol	151			23 - 138	101%	SPK: 150		
13127-88-3	Phenol-d6	142			10 - 134	95%	SPK: 150		
4165-60-0	Nitrobenzene-d5	78.7			67 - 132	79%	SPK: 100		
321-60-8	2-Fluorobiphenyl	76.6			52 - 132	77%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	131			44 - 137	87%	SPK: 150		
1718-51-0	Terphenyl-d14	80.4			42 - 152	80%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	156000							
1146-65-2	Naphthalene-d8	660000							
15067-26-2	Acenaphthene-d10	489000							
1517-22-2	Phenanthrene-d10	1080000							
1719-03-5	Chrysene-d12	1040000							
1520-96-3	Perylene-d12	886000							

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\BP102225\
Data File : BP026002.D
Acq On : 22 Oct 2025 17:14
Operator : RC/JU
Sample : PB170216BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170216BL

Quant Time: Oct 22 17:34:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.696	152	155512	20.000	ng	0.00
21) Naphthalene-d8	10.478	136	659805	20.000	ng	0.02
39) Acenaphthene-d10	14.325	164	488964	20.000	ng	0.00
64) Phenanthrene-d10	17.142	188	1075566	20.000	ng	0.02
76) Chrysene-d12	21.601	240	1036996	20.000	ng	0.02
86) Perylene-d12	24.948	264	885650	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.337	112	1430887	150.855	ng	0.00
7) Phenol-d6	6.902	99	1883426	142.287	ng	0.00
23) Nitrobenzene-d5	8.849	82	1154545	78.651	ng	0.00
42) 2,4,6-Tribromophenol	15.854	330	859423	130.560	ng	0.01
45) 2-Fluorobiphenyl	12.925	172	2921030	76.570	ng	0.00
79) Terphenyl-d14	19.860	244	5217919	80.417	ng	0.00
Target Compounds						Qvalue

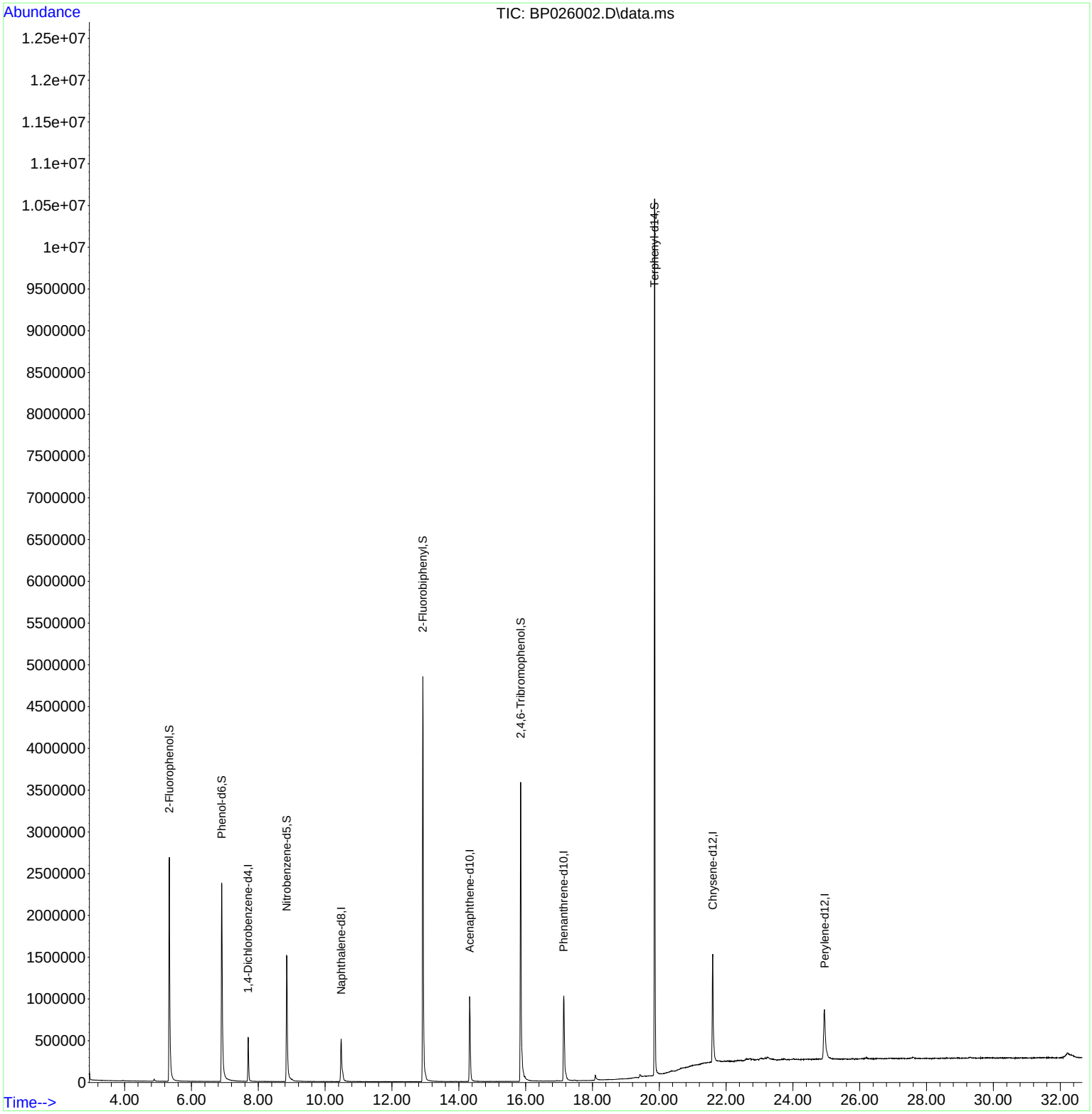
(#) = qualifier out of range (m) = manual integration (+) = signals summed

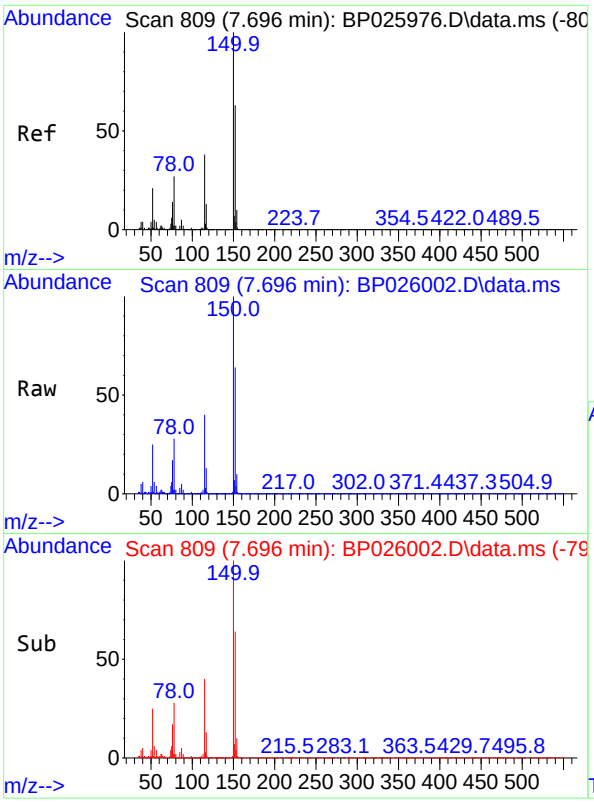
Sample Results: **BP026002.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026002.D
Acq On : 22 Oct 2025 17:14
Operator : RC/JU
Sample : PB170216BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170216BL

Quant Time: Oct 22 17:34:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration



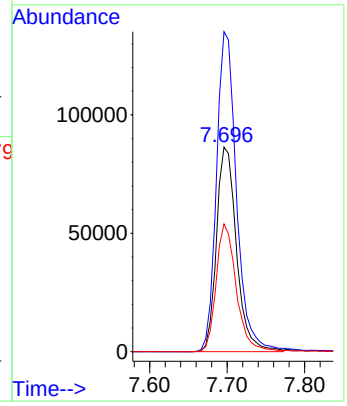


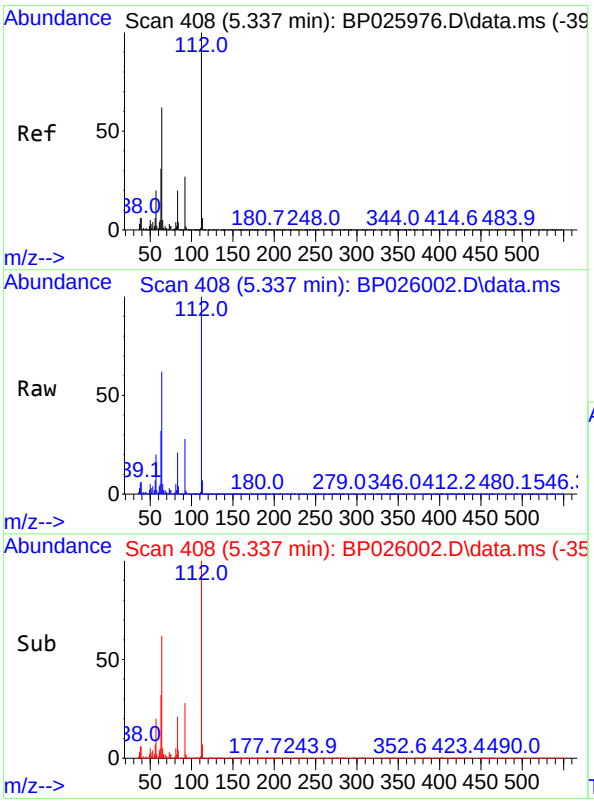
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.696 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Instrument :
BNA_P
ClientSampleId :
PB170216BL

Tgt Ion:152 Resp: 155512

Ion	Ratio	Lower	Upper
152	100		
150	156.4	127.3	190.9
115	62.4	48.7	73.1

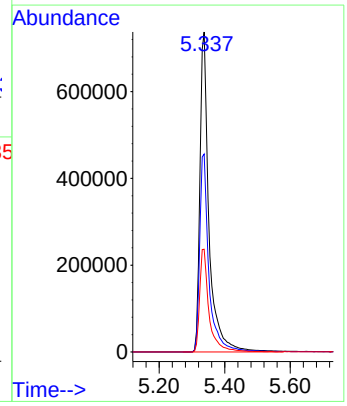


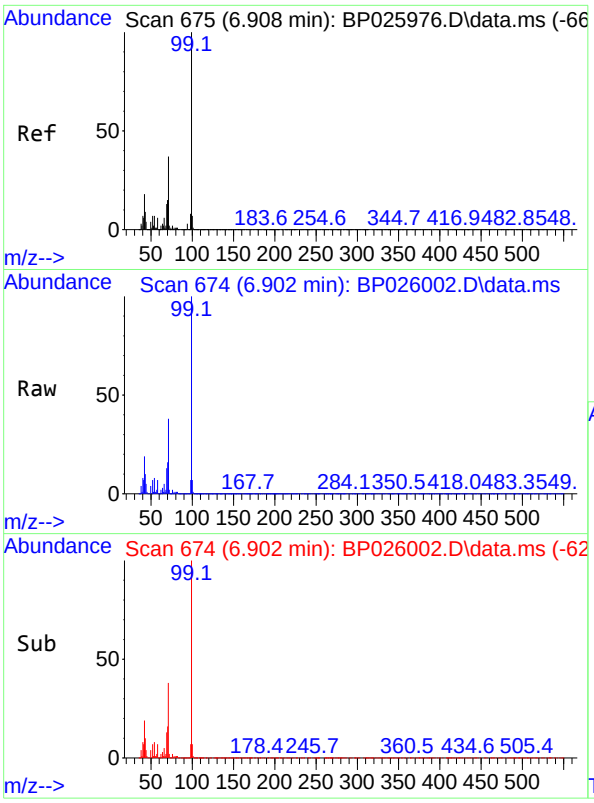


#5
2-Fluorophenol
Concen: 150.855 ng
RT: 5.337 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Tgt Ion:112 Resp: 1430887

Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.9	74.9
63	32.1	24.9	37.3



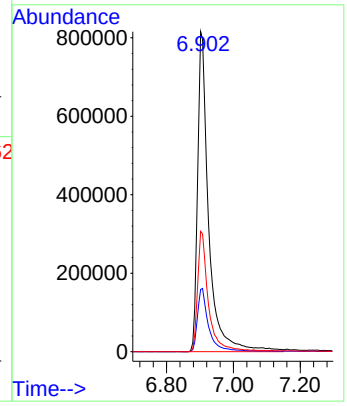


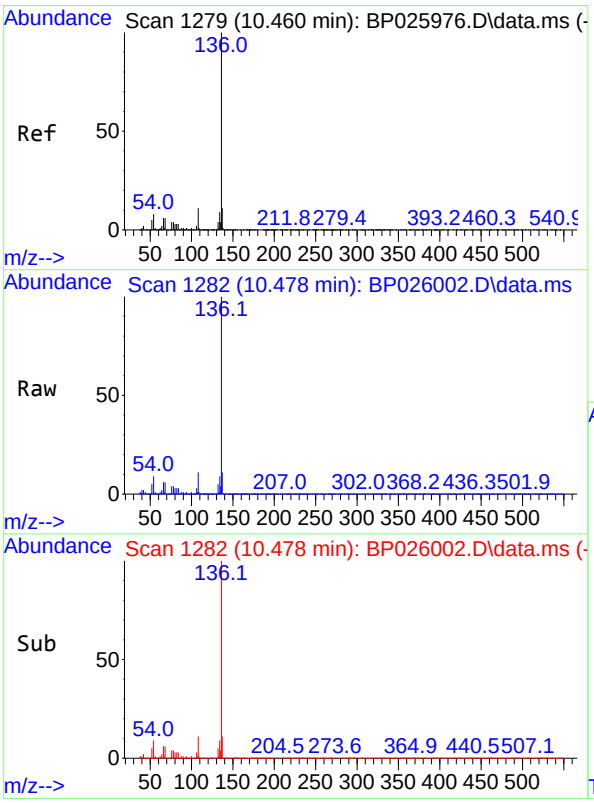
#7
Phenol-d6
Concen: 142.287 ng
RT: 6.902 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Instrument :
BNA_P
ClientSampleId :
PB170216BL

Tgt Ion: 99 Resp: 1883426

Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.2	21.4
71	37.6	29.4	44.0

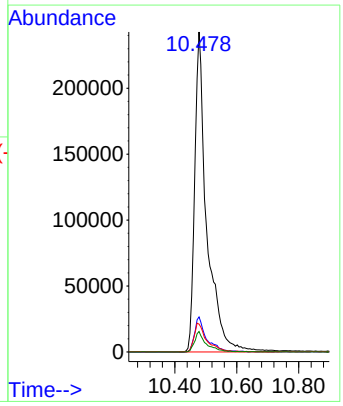


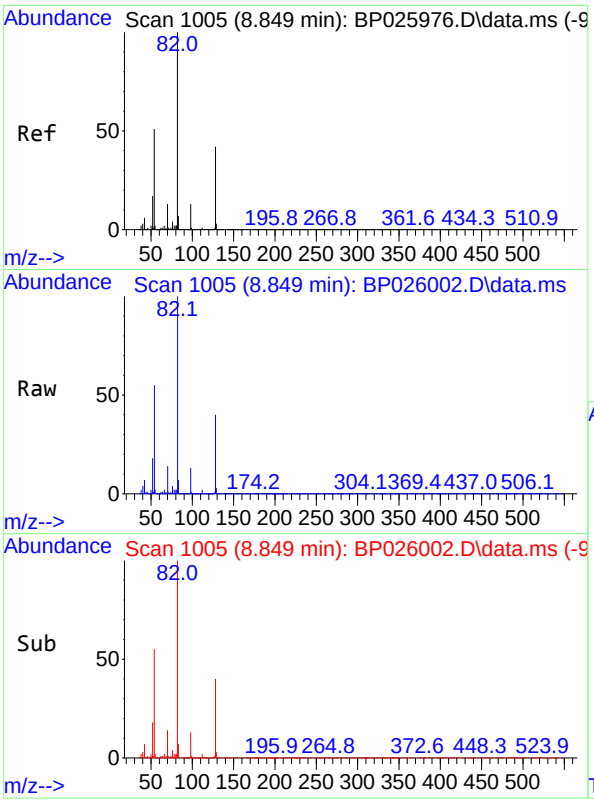


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.478 min Scan# 1282
Delta R.T. 0.018 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Tgt Ion:136 Resp: 659805

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.7	6.8	10.2
68	6.4	4.5	6.7



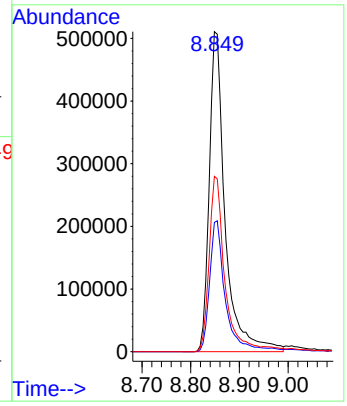


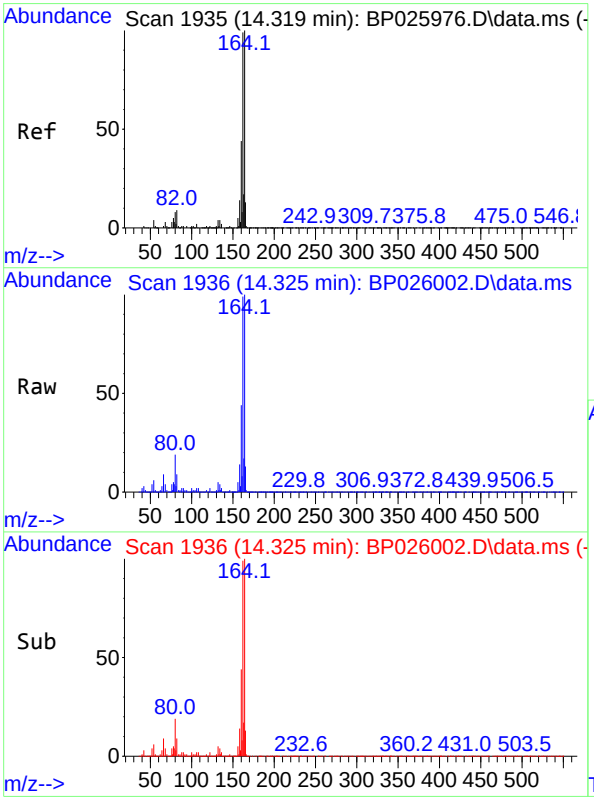
#23
Nitrobenzene-d5
Concen: 78.651 ng
RT: 8.849 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Instrument :
BNA_P
ClientSampleId :
PB170216BL

Tgt Ion: 82 Resp: 1154545

Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.6	50.4
54	54.8	40.6	61.0

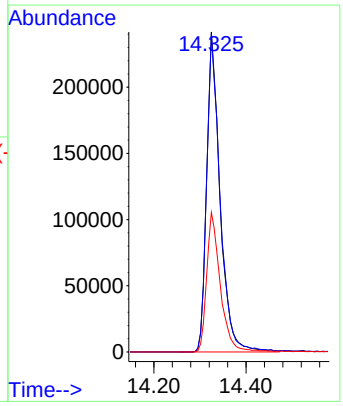


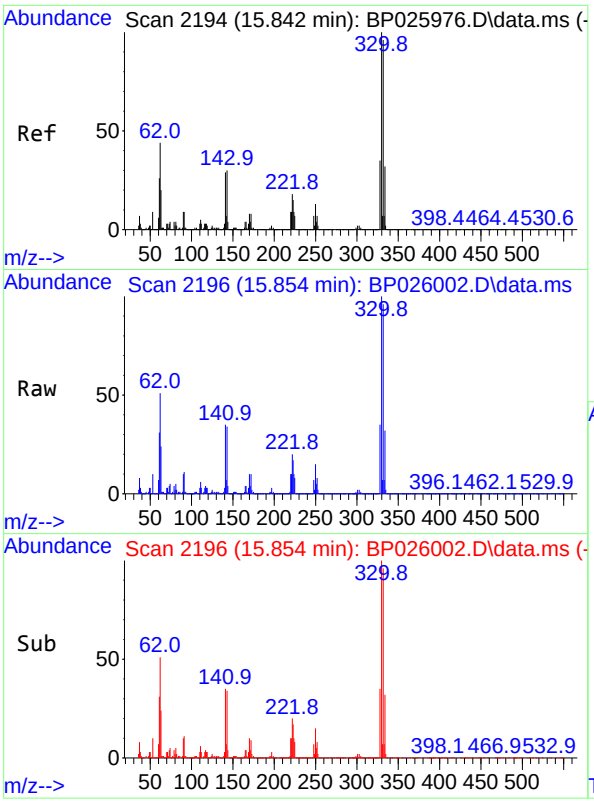


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.325 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Tgt Ion:164 Resp: 488964

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.3	118.9
160	43.6	35.4	53.0



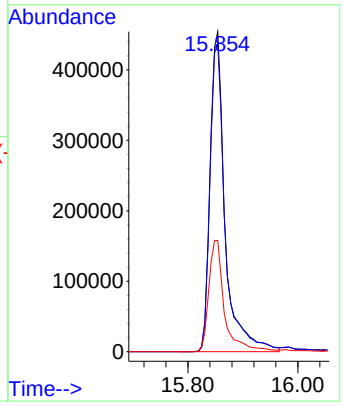


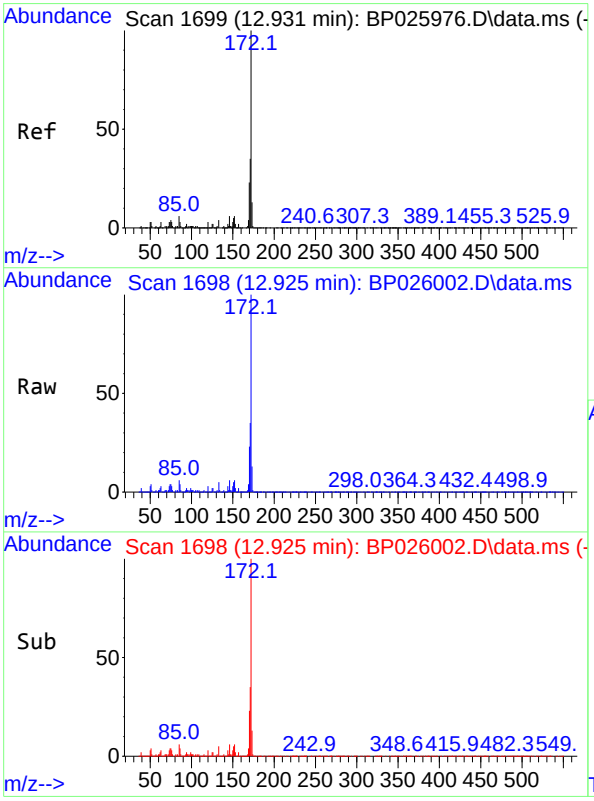
#42
2,4,6-Tribromophenol
Concen: 130.560 ng
RT: 15.854 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Instrument :
BNA_P
ClientSampleId :
PB170216BL

Tgt Ion:330 Resp: 859423

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.8	116.8
141	36.1	25.6	38.4

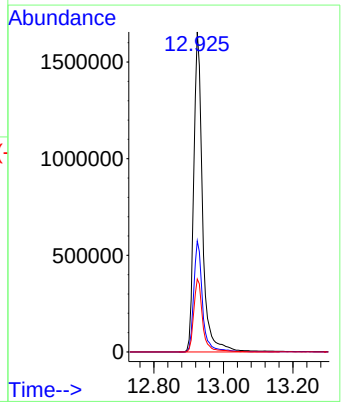


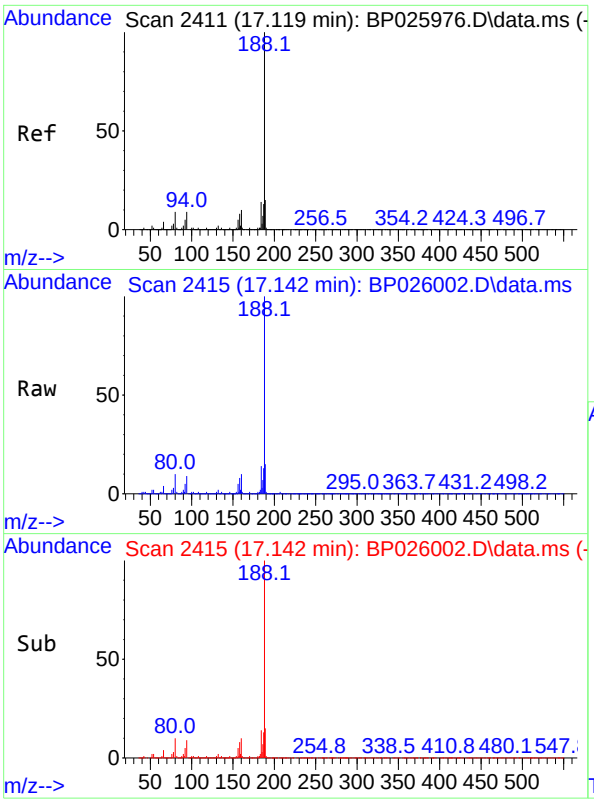


#45
2-Fluorobiphenyl
Concen: 76.570 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Tgt Ion:172 Resp: 2921030

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.8
170	22.8	18.5	27.7



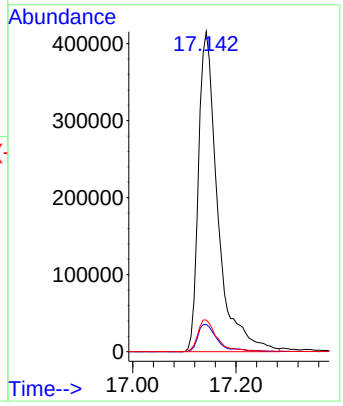


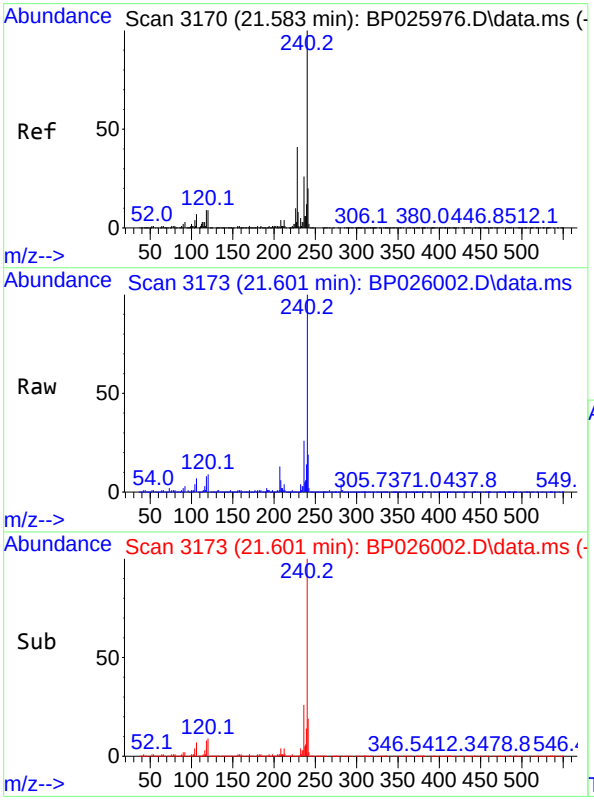
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.142 min Scan# 24
Delta R.T. 0.024 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Instrument :
BNA_P
ClientSampleId :
PB170216BL

Tgt Ion:188 Resp: 1075566

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.9	7.2	10.8

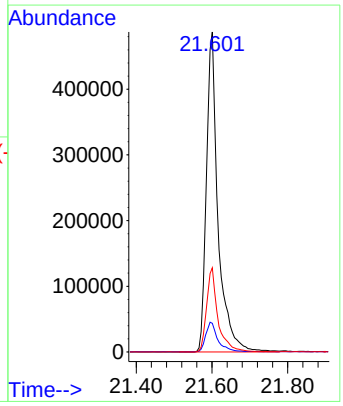


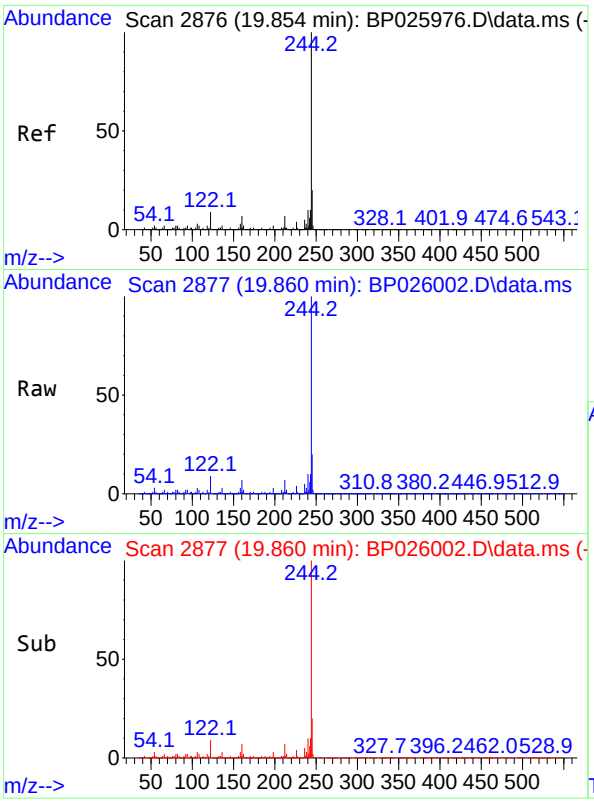


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.601 min Scan# 3173
Delta R.T. 0.018 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Tgt Ion:240 Resp: 1036996

Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.4	11.0
236	26.3	20.4	30.6



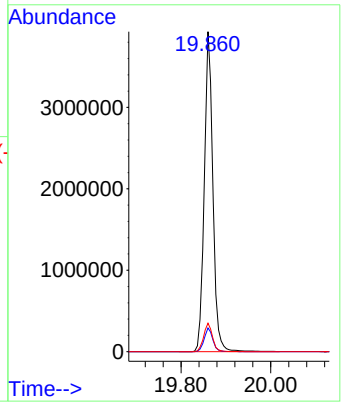


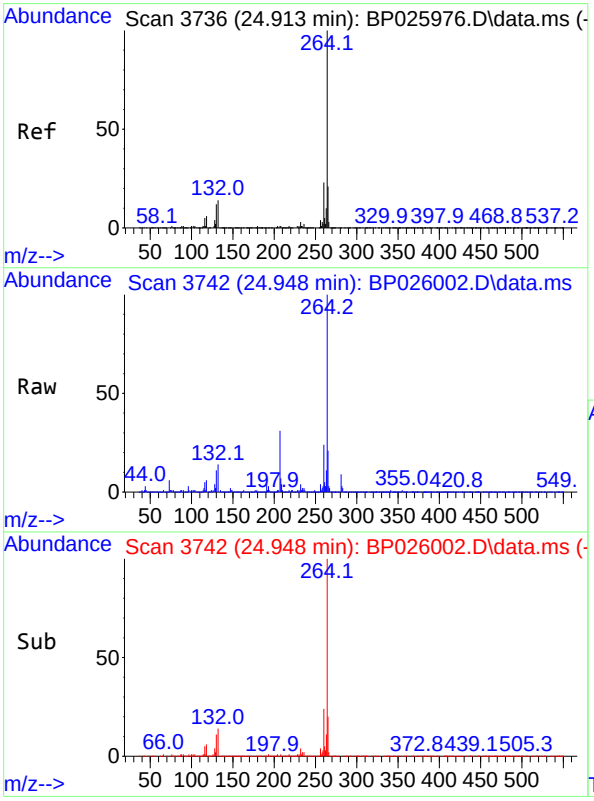
#79
Terphenyl-d14
Concen: 80.417 ng
RT: 19.860 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Instrument :
BNA_P
ClientSampleId :
PB170216BL

Tgt Ion:244 Resp: 5217919

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	8.9	7.1	10.7

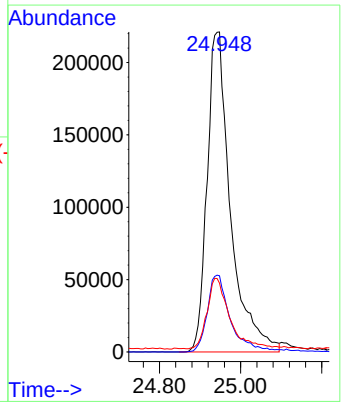




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.948 min Scan# 3742
Delta R.T. 0.035 min
Lab File: BP026002.D
Acq: 22 Oct 2025 17:14

Tgt Ion:264 Resp: 885650

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	21.5	17.7	26.5



Raw Data: **BP026003.D**

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

Report of Analysis

Client:	ICE Service Group, Inc.			Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY			Date Received:	
Client Sample ID:	PB170216BS			SDG No.:	Q3399
Lab Sample ID:	PB170216BS			Matrix:	TCLP
Analytical Method:	8270E	Level : LOW		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL		Test:	TCLP BNA
Prep Method :		Prep Date: 10/22/25			

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	35.7		1	1.30	5.00	ug/L	10/22/25 17:55	PB170216
106-46-7	1,4-Dichlorobenzene	42.6		1	0.53	5.00	ug/L	10/22/25 17:55	PB170216
95-48-7	2-Methylphenol	50.9		1	1.10	5.00	ug/L	10/22/25 17:55	PB170216
65794-96-9	3+4-Methylphenols	49.5		1	1.10	10.0	ug/L	10/22/25 17:55	PB170216
67-72-1	Hexachloroethane	42.5		1	0.65	5.00	ug/L	10/22/25 17:55	PB170216
98-95-3	Nitrobenzene	45.3		1	0.76	5.00	ug/L	10/22/25 17:55	PB170216
87-68-3	Hexachlorobutadiene	41.2		1	0.54	5.00	ug/L	10/22/25 17:55	PB170216
88-06-2	2,4,6-Trichlorophenol	45.6		1	0.51	5.00	ug/L	10/22/25 17:55	PB170216
95-95-4	2,4,5-Trichlorophenol	47.0		1	0.62	5.00	ug/L	10/22/25 17:55	PB170216
121-14-2	2,4-Dinitrotoluene	47.2		1	1.20	5.00	ug/L	10/22/25 17:55	PB170216
118-74-1	Hexachlorobenzene	42.2		1	0.52	5.00	ug/L	10/22/25 17:55	PB170216
87-86-5	Pentachlorophenol	94.1	E	1	1.60	10.0	ug/L	10/22/25 17:55	PB170216
SURROGATES									
367-12-4	2-Fluorophenol	140			23 - 138	93%	SPK: 150		
13127-88-3	Phenol-d6	138			10 - 134	92%	SPK: 150		
4165-60-0	Nitrobenzene-d5	72.9			67 - 132	73%	SPK: 100		
321-60-8	2-Fluorobiphenyl	69.3			52 - 132	69%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	119			44 - 137	79%	SPK: 150		
1718-51-0	Terphenyl-d14	83.4			42 - 152	83%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	157000							
1146-65-2	Naphthalene-d8	712000							
15067-26-2	Acenaphthene-d10	515000							
1517-22-2	Phenanthrene-d10	1020000							
1719-03-5	Chrysene-d12	760000							
1520-96-3	Perylene-d12	736000							

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: **BP026003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026003.D
Acq On : 22 Oct 2025 17:55
Operator : RC/JU
Sample : PB170216BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 18:17:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB170216BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.690	152	157158	20.000	ng	0.00
21) Naphthalene-d8	10.460	136	711577	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	515285	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1020674	20.000	ng	0.00
76) Chrysene-d12	21.572	240	759603	20.000	ng	-0.01
86) Perylene-d12	24.924	264	736047	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.337	112	1338778	139.666	ng	0.00
7) Phenol-d6	6.908	99	1844852	137.913	ng	0.00
23) Nitrobenzene-d5	8.849	82	1153562	72.867	ng	0.00
42) 2,4,6-Tribromophenol	15.842	330	825421	118.989	ng	0.00
45) 2-Fluorobiphenyl	12.925	172	2785725	69.293	ng	0.00
79) Terphenyl-d14	19.848	244	3961888	83.357	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.243	88	133222	35.087	ng	# 93
3) Pyridine	3.649	79	378314	35.705	ng	92
4) n-Nitrosodimethylamine	3.561	42	227054	48.898	ng	87
6) Aniline	7.037	93	616702	34.436	ng	96
8) 2-Chlorophenol	7.278	128	544556	49.021	ng	95
9) Benzaldehyde	6.861	77	250736	35.125	ng	96
10) Phenol	6.931	94	718144	53.172	ng	95
11) bis(2-Chloroethyl)ether	7.131	93	502091	45.592	ng	96
12) 1,3-Dichlorobenzene	7.584	146	517552	42.023	ng	99
13) 1,4-Dichlorobenzene	7.725	146	533941	42.551	ng	98
14) 1,2-Dichlorobenzene	8.043	146	525611	42.818	ng	99
15) Benzyl Alcohol	7.955	79	546036	47.958	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.213	45	820485	48.382	ng	99
17) 2-Methylphenol	8.160	107	492695	50.895	ng	97
18) Hexachloroethane	8.755	117	203399	42.477	ng	96
19) n-Nitroso-di-n-propyla...	8.496	70	441276	46.274	ng	95
20) 3+4-Methylphenols	8.490	107	667994	49.523	ng	99
22) Acetophenone	8.519	105	904873	46.775	ng	95
24) Nitrobenzene	8.890	77	637812	45.305	ng	98
25) Isophorone	9.413	82	1248097	43.896	ng	97
26) 2-Nitrophenol	9.590	139	304525	44.666	ng	93
27) 2,4-Dimethylphenol	9.666	122	549555	47.567	ng	97
28) bis(2-Chloroethoxy)met...	9.878	93	749761	45.077	ng	98
29) 2,4-Dichlorophenol	10.154	162	564446	49.032	ng	97
30) 1,2,4-Trichlorobenzene	10.325	180	547923	42.042	ng	98
31) Naphthalene	10.513	128	1650015	42.985	ng	100
32) Benzoic acid	9.907	122	456287	54.501	ng	97
33) 4-Chloroaniline	10.649	127	303918	18.644	ng	99
34) Hexachlorobutadiene	10.790	225	355683	41.238	ng	99
35) Caprolactam	11.460	113	195595m	47.745	ng	
36) 4-Chloro-3-methylphenol	11.790	107	684910	50.677	ng	97
37) 2-Methylnaphthalene	12.125	142	1111001	44.206	ng	99
38) 1-Methylnaphthalene	12.343	142	1173410	44.264	ng	100
40) 1,2,4,5-Tetrachloroben...	12.496	216	760610	45.331	ng	99
41) Hexachlorocyclopentadiene	12.466	237	686290	70.107	ng	100
43) 2,4,6-Trichlorophenol	12.754	196	485801	45.614	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026003.D
Acq On : 22 Oct 2025 17:55
Operator : RC/JU
Sample : PB170216BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 18:17:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB170216BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.854	196	545404	47.028	ng	98
46) 1,1'-Biphenyl	13.143	154	1823986	46.860	ng	99
47) 2-Chloronaphthalene	13.184	162	1278943	42.023	ng	99
48) 2-Nitroaniline	13.413	65	457621	48.244	ng	98
49) Acenaphthylene	14.043	152	2166811	44.032	ng	100
50) Dimethylphthalate	13.778	163	1746558	44.843	ng	100
51) 2,6-Dinitrotoluene	13.901	165	382196	45.449	ng	93
52) Acenaphthene	14.384	154	1218436	42.878	ng	100
53) 3-Nitroaniline	14.254	138	256136	30.580	ng	98
54) 2,4-Dinitrophenol	14.466	184	484110	84.391	ng	94
55) Dibenzofuran	14.725	168	1971947	43.338	ng	97
56) 4-Nitrophenol	14.619	139	486666	95.810	ng	88
57) 2,4-Dinitrotoluene	14.713	165	538201	47.233	ng	95
58) Fluorene	15.384	166	1618788	44.276	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.972	232	476364	45.776	ng	99
60) Diethylphthalate	15.160	149	1773452	46.181	ng	99
61) 4-Chlorophenyl-phenyle...	15.378	204	828159	43.075	ng	99
62) 4-Nitroaniline	15.437	138	340659	43.893	ng	95
63) Azobenzene	15.678	77	1712792	47.851	ng	98
65) 4,6-Dinitro-2-methylph...	15.501	198	336675	45.639	ng	98
66) n-Nitrosodiphenylamine	15.601	169	1459447	44.443	ng	99
67) 4-Bromophenyl-phenylether	16.289	248	538078	42.711	ng	96
68) Hexachlorobenzene	16.413	284	596047	42.174	ng	95
69) Atrazine	16.584	200	553567	46.727	ng	99
70) Pentachlorophenol	16.784	266	717764	94.073	ng	98
71) Phenanthrene	17.166	178	2555948	44.183	ng	99
72) Anthracene	17.266	178	2618566	44.314	ng	99
73) Carbazole	17.554	167	2346934	45.055	ng	99
74) Di-n-butylphthalate	18.131	149	2891241	45.101	ng	100
75) Fluoranthene	19.266	202	2847692	43.641	ng	98
77) Benzidine	19.472	184	917605	37.701	ng	99
78) Pyrene	19.636	202	2840688	50.704	ng	100
80) Butylbenzylphthalate	20.577	149	1030909	46.240	ng	99
81) Benzo(a)anthracene	21.554	228	2345269	45.142	ng	100
82) 3,3'-Dichlorobenzidine	21.483	252	475891	25.740	ng	97
83) Chrysene	21.624	228	2204954	44.388	ng	100
84) Bis(2-ethylhexyl)phtha...	21.472	149	1339534	43.521	ng	99
85) Di-n-octyl phthalate	22.736	149	2215057	42.148	ng	98
87) Indeno(1,2,3-cd)pyrene	28.718	276	2725835	49.163	ng	99
88) Benzo(b)fluoranthene	23.848	252	2104717	45.914	ng	100
89) Benzo(k)fluoranthene	23.924	252	2161523	46.462	ng	99
90) Benzo(a)pyrene	24.765	252	2049961	46.025	ng	99
91) Dibenzo(a,h)anthracene	28.777	278	2226060	49.251	ng	99
92) Benzo(g,h,i)perylene	29.912	276	2206446	49.824	ng	99

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

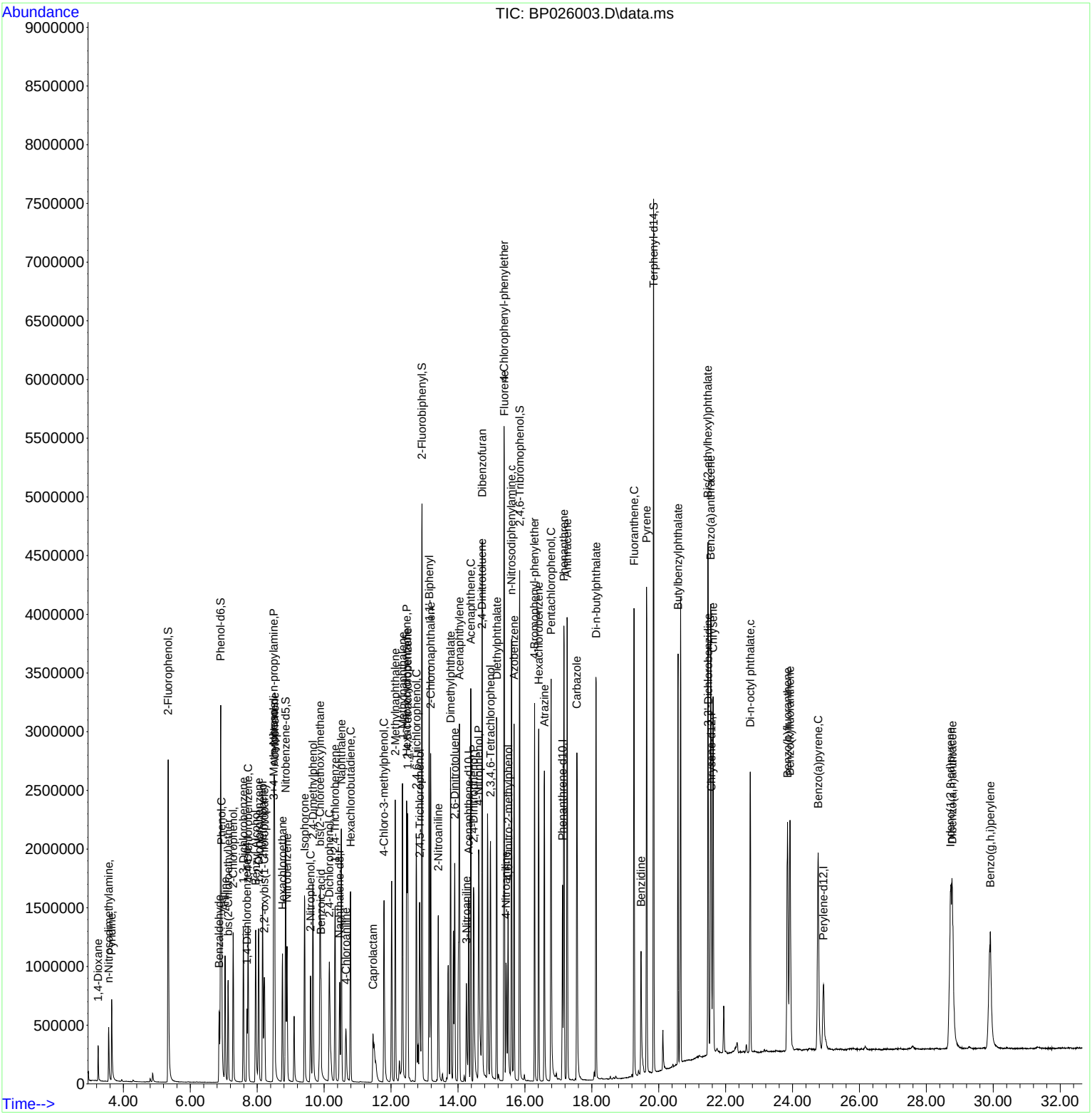
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026003.D
Acq On : 22 Oct 2025 17:55
Operator : RC/JU
Sample : PB170216BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

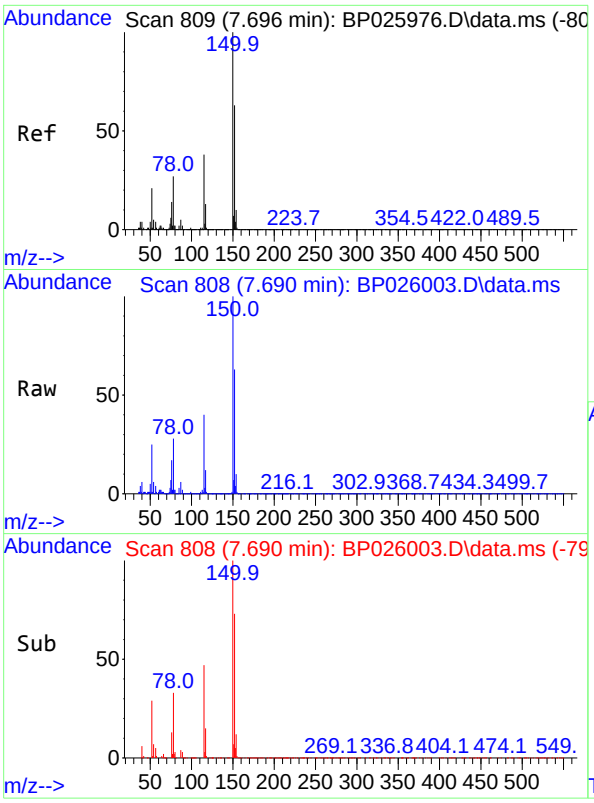
Quant Time: Oct 22 18:17:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB170216BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

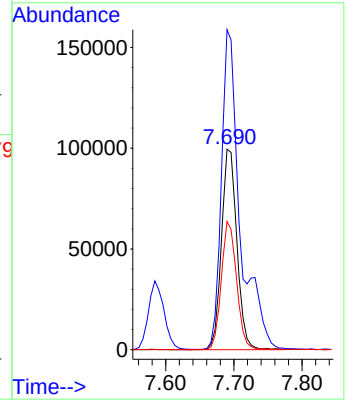




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.690 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:152 Resp: 15715

Ion	Ratio	Lower	Upper
152	100		
150	159.6	127.3	190.9
115	63.9	48.7	73.1



Instrument :
BNA_P
ClientSampleId :
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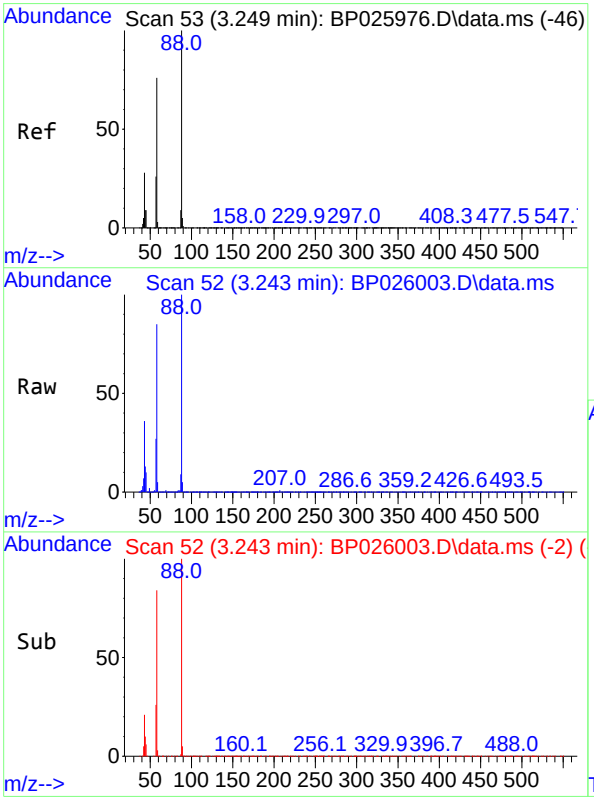
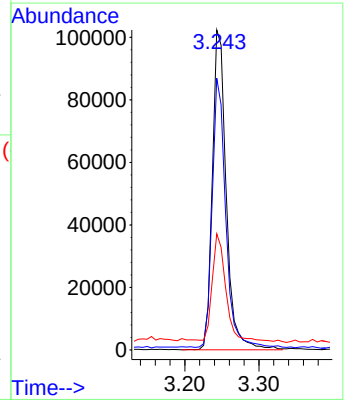
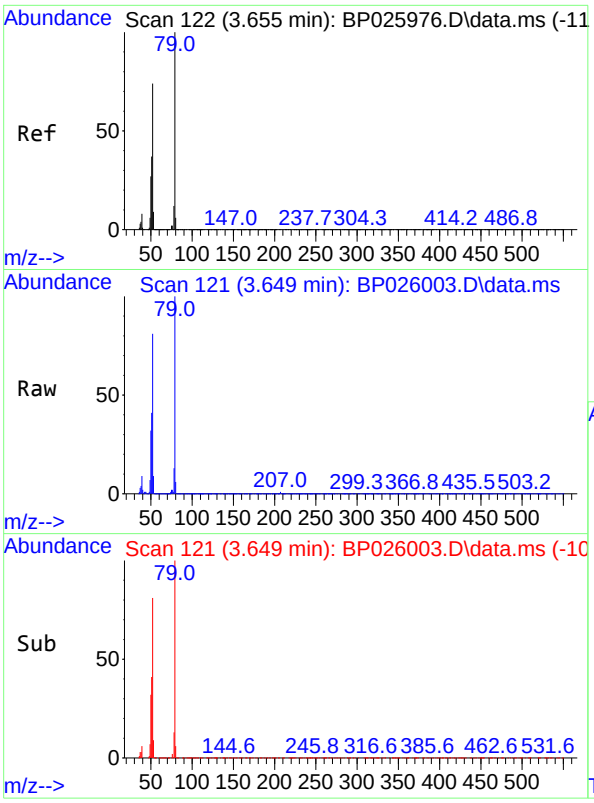


#2
1,4-Dioxane
Concen: 35.087 ng
RT: 3.243 min Scan# 52
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 88 Resp: 133222

Ion	Ratio	Lower	Upper
88	100		
58	81.9	61.9	92.9
43	34.5	22.6	33.8#

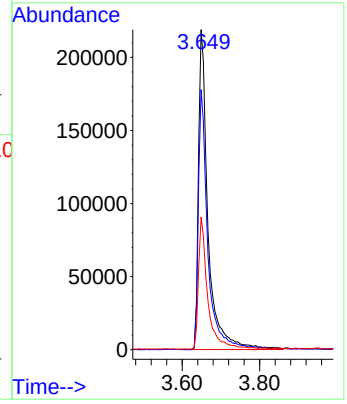




#3
Pyridine
Concen: 35.705 ng
RT: 3.649 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 79 Resp: 37831

Ion	Ratio	Lower	Upper
79	100		
52	81.2	59.0	88.4
51	41.4	29.5	44.3



Instrument :
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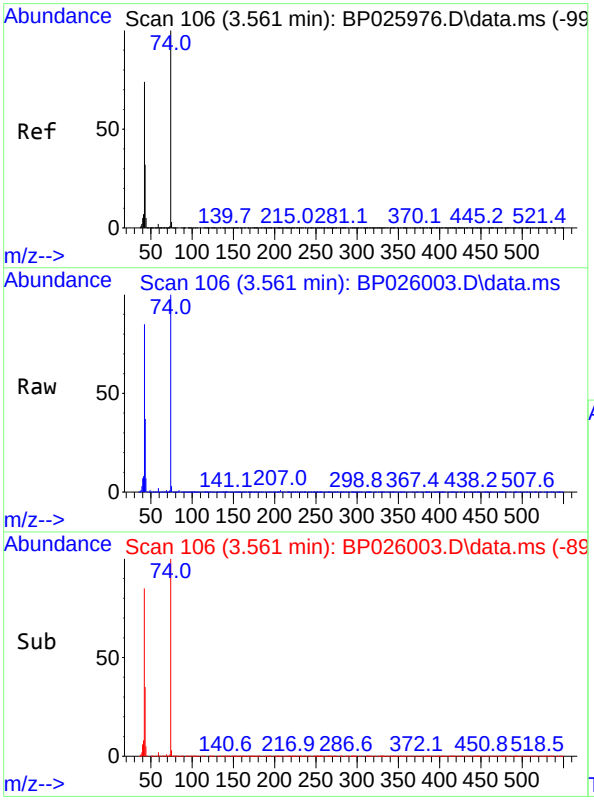
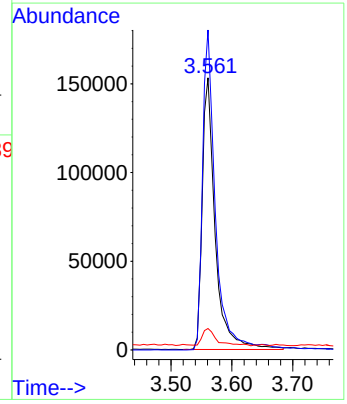
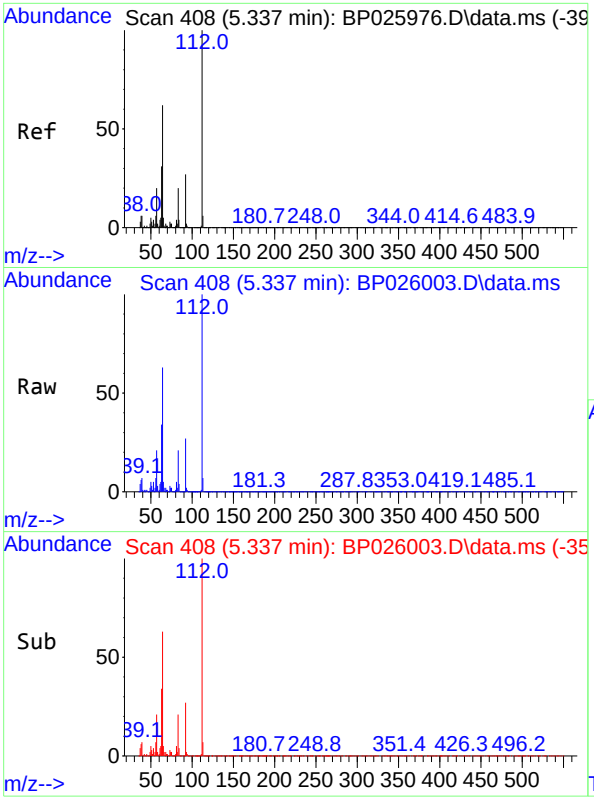


#4
n-Nitrosodimethylamine
Concen: 48.898 ng
RT: 3.561 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 42 Resp: 227054

Ion	Ratio	Lower	Upper
42	100		
74	117.6	107.4	161.0
44	7.9	6.0	9.0





#5
2-Fluorophenol
Concen: 139.666 ng
RT: 5.337 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:112 Resp: 133877

Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.9	74.9
63	34.1	24.9	37.3

Instrument :
BNA_P
ClientSampleId :
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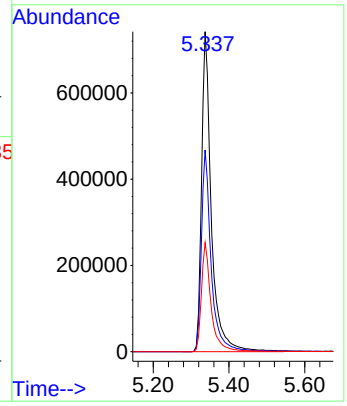
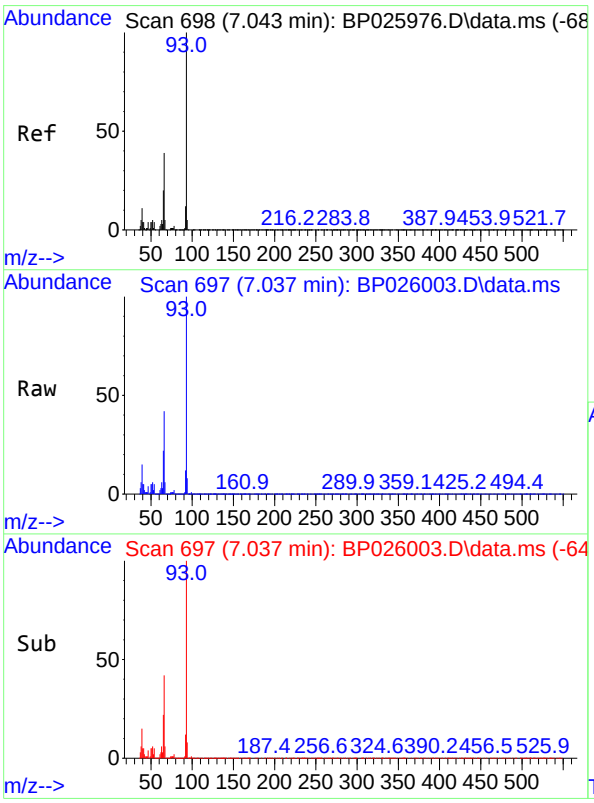
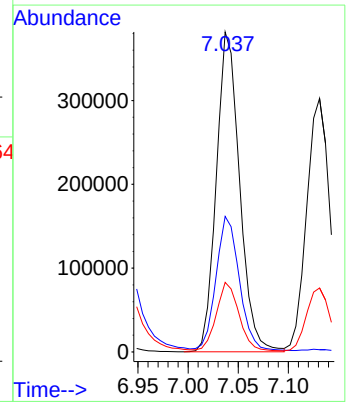


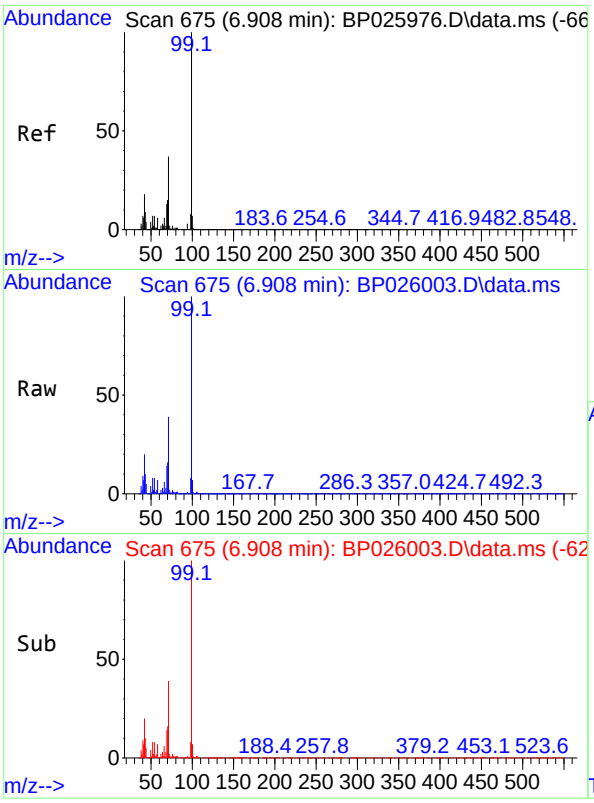


#6
Aniline
Concen: 34.436 ng
RT: 7.037 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 93 Resp: 616702

Ion	Ratio	Lower	Upper
93	100		
66	42.4	31.8	47.8
65	21.8	16.3	24.5

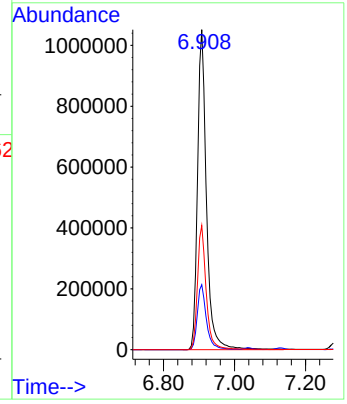




#7
Phenol-d6
Concen: 137.913 ng
RT: 6.908 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 99 Resp: 184485

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.2	21.4
71	38.8	29.4	44.0



Instrument :
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ClientSampleId :
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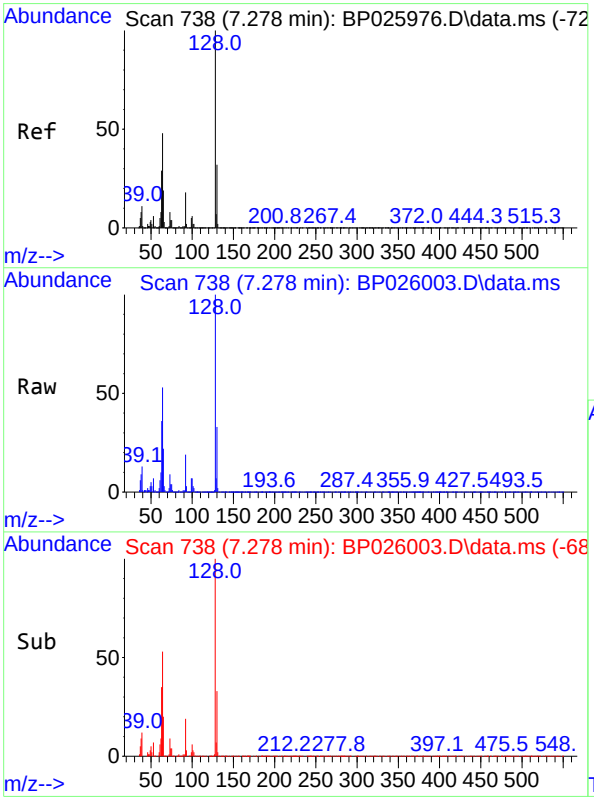
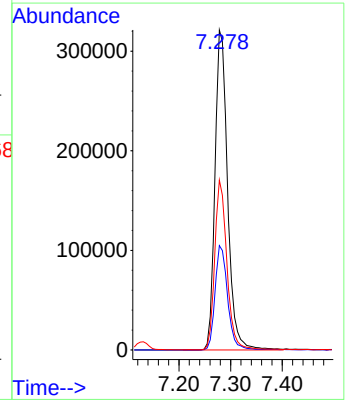
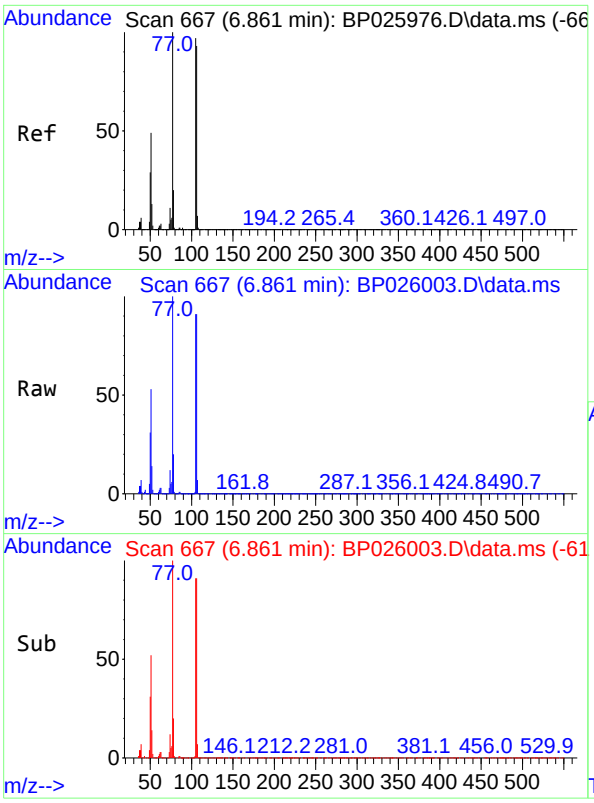


#8
2-Chlorophenol
Concen: 49.021 ng
RT: 7.278 min Scan# 738
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:128 Resp: 544556

Ion	Ratio	Lower	Upper
128	100		
130	32.6	11.8	51.8
64	53.1	28.0	68.0

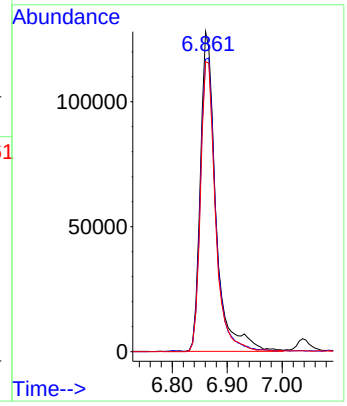




#9
Benzaldehyde
Concen: 35.125 ng
RT: 6.861 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 77 Resp: 25073

Ion	Ratio	Lower	Upper
77	100		
105	91.4	76.6	116.6
106	90.7	73.2	113.2



Instrument :
BNA_P
ClientSampleId :
PB170216BS

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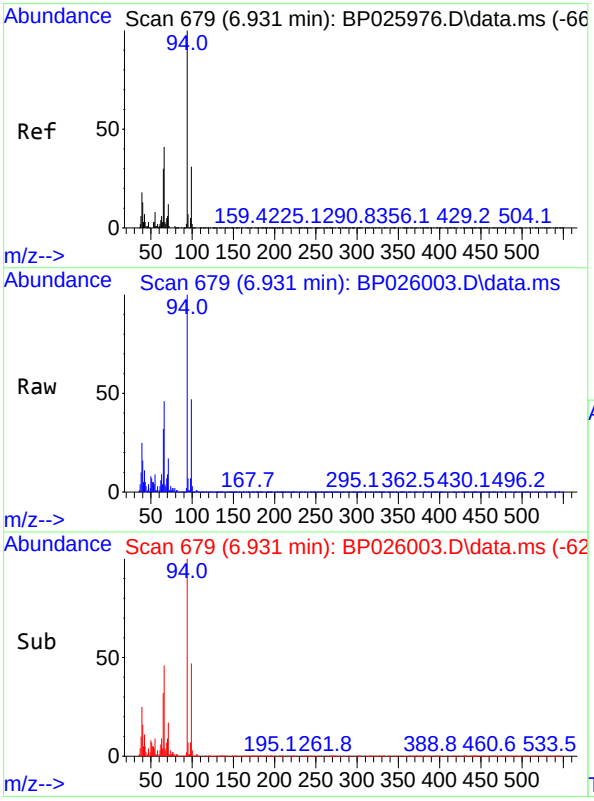
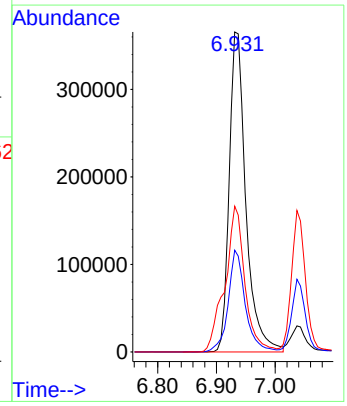
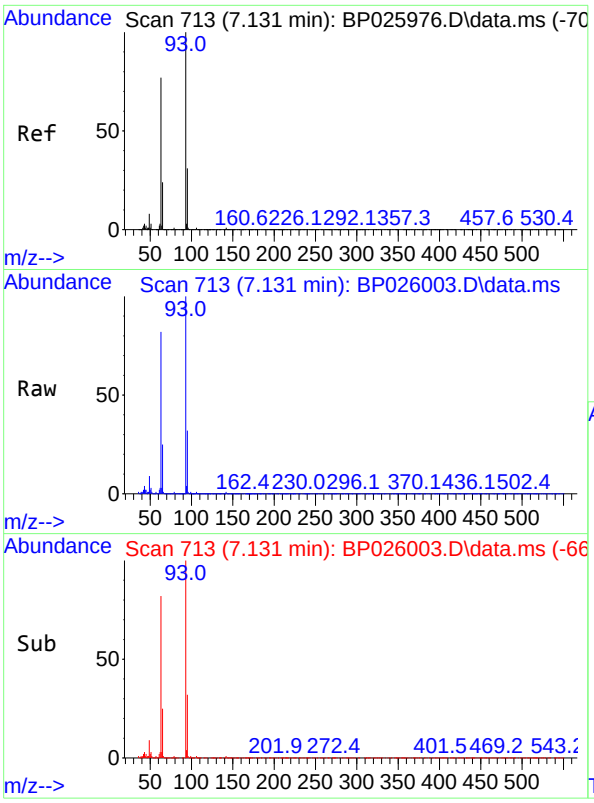


#10
Phenol
Concen: 53.172 ng
RT: 6.931 min Scan# 679
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 94 Resp: 718144

Ion	Ratio	Lower	Upper
94	100		
65	31.8	9.8	49.8
66	45.6	21.4	61.4

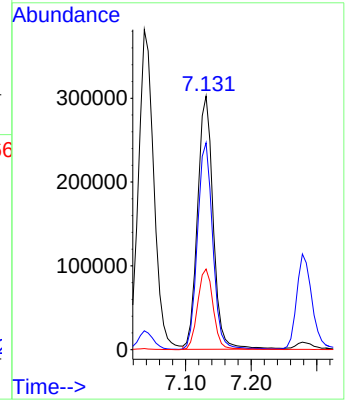




#11
bis(2-Chloroethyl)ether
Concen: 45.592 ng
RT: 7.131 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 93 Resp: 50209

Ion	Ratio	Lower	Upper
93	100		
63	81.6	56.6	96.6
95	31.8	11.3	51.3



Instrument :
BNA_P
ClientSampleId :
PB170216BS

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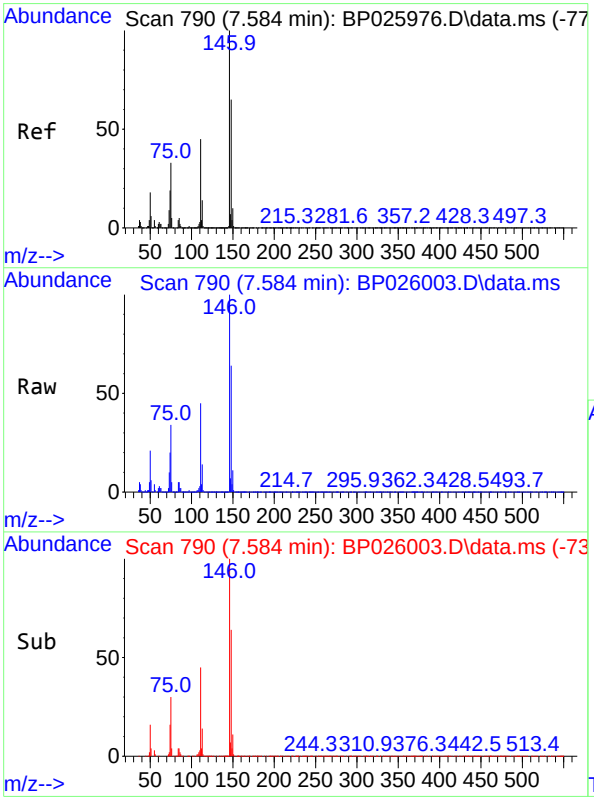
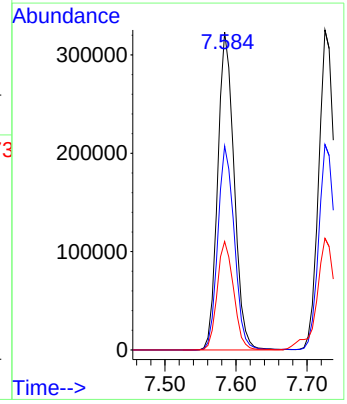
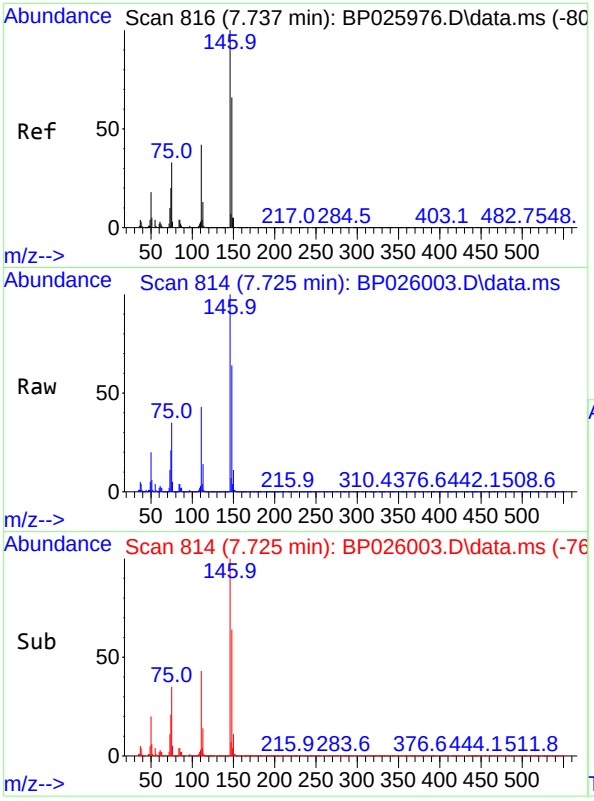


#12
1,3-Dichlorobenzene
Concen: 42.023 ng
RT: 7.584 min Scan# 790
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:146 Resp: 517552

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.7	77.5
75	34.1	26.1	39.1





#13
1,4-Dichlorobenzene
Concen: 42.551 ng
RT: 7.725 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:146 Resp: 53394

Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.7	79.1
111	43.3	34.0	51.0

Instrument :
BNA_P
ClientSampleId :
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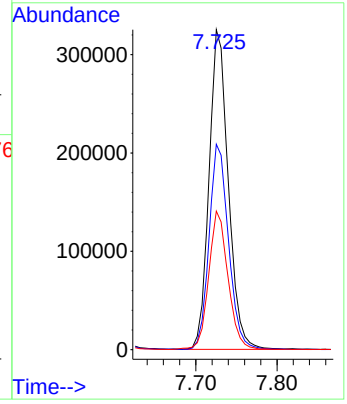
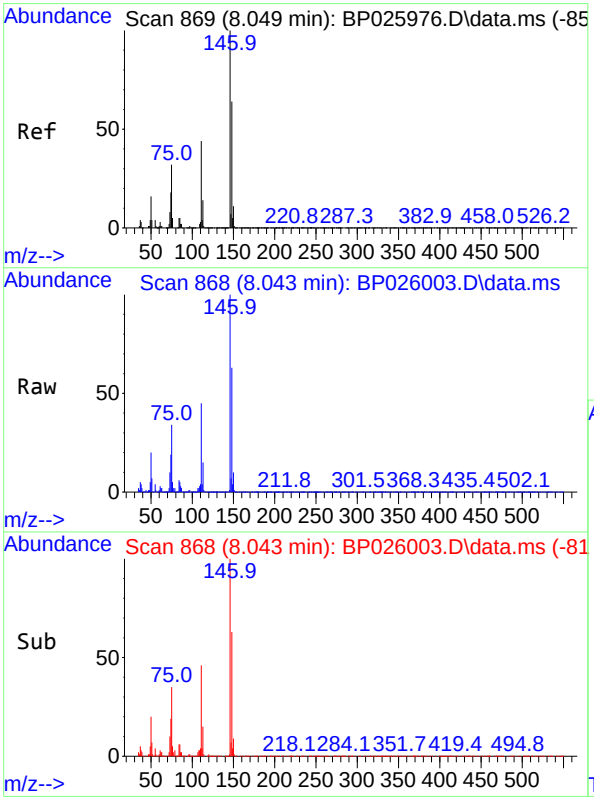
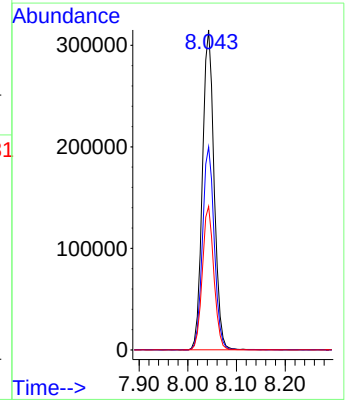


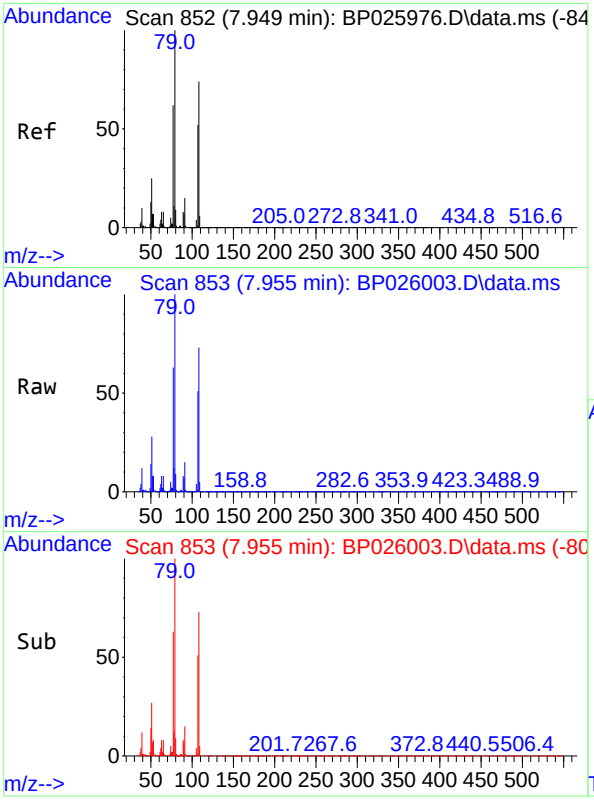


#14
1,2-Dichlorobenzene
Concen: 42.818 ng
RT: 8.043 min Scan# 868
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:146 Resp: 525611

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.6
111	44.8	35.3	52.9





#15
Benzyl Alcohol
Concen: 47.958 ng
RT: 7.955 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 79 Resp: 54603

Ion	Ratio	Lower	Upper
79	100		
108	72.7	59.2	88.8
77	62.7	49.3	73.9

Instrument :
BNA_P
ClientSampleId :
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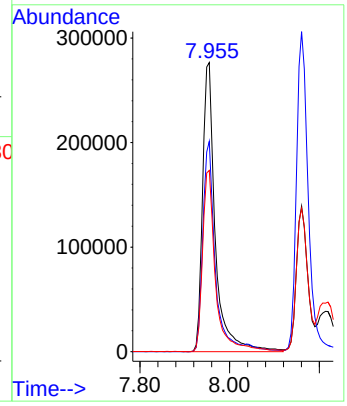
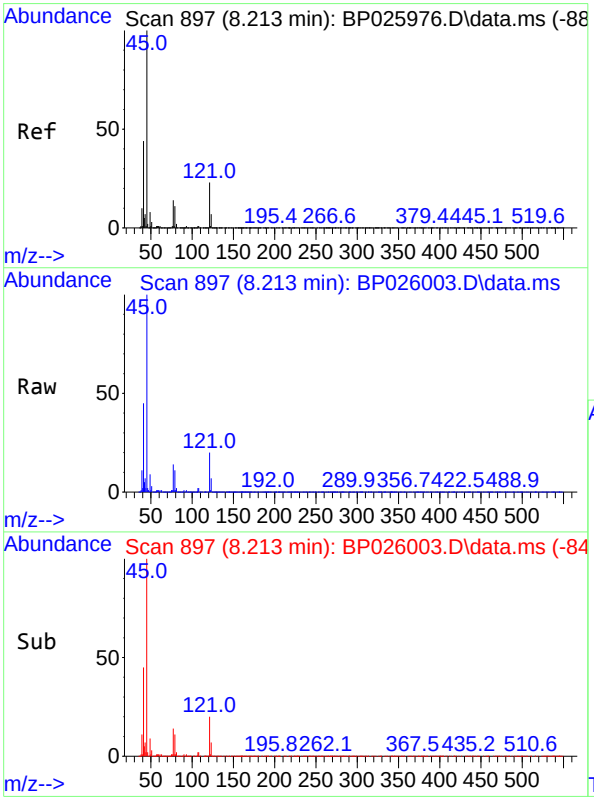
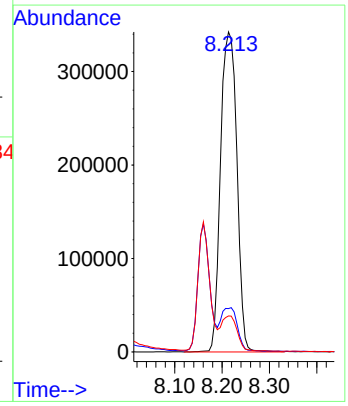


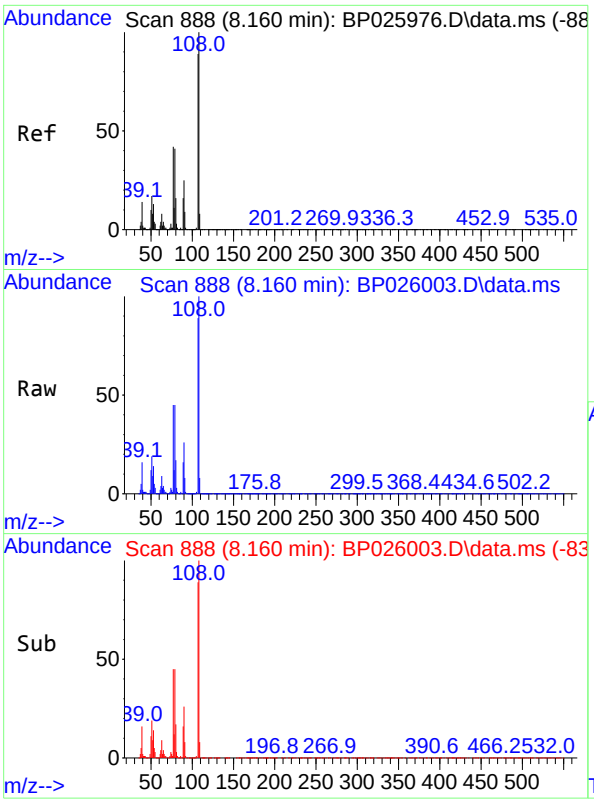


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.382 ng
RT: 8.213 min Scan# 897
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 45 Resp: 820485

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	34.3
79	11.3	0.0	31.5

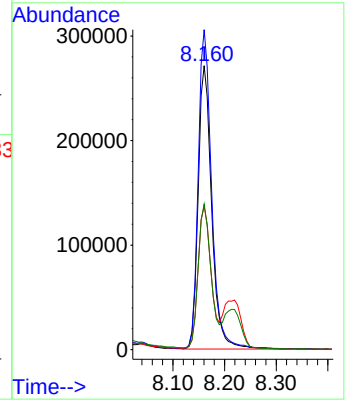




#17
2-Methylphenol
Concen: 50.895 ng
RT: 8.160 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:107 Resp: 49269

Ion	Ratio	Lower	Upper
107	100		
108	112.7	89.5	134.3
77	50.5	38.1	57.1
79	51.3	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
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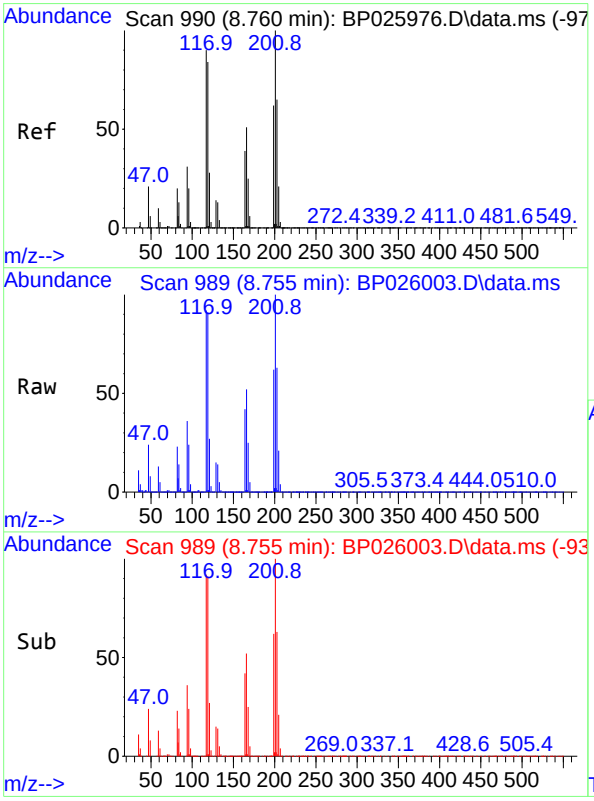
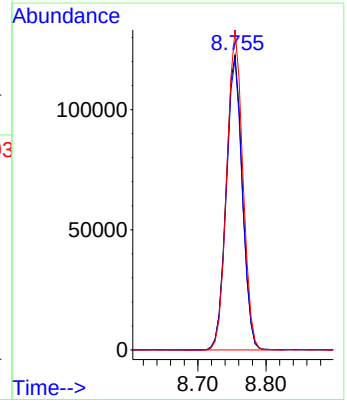
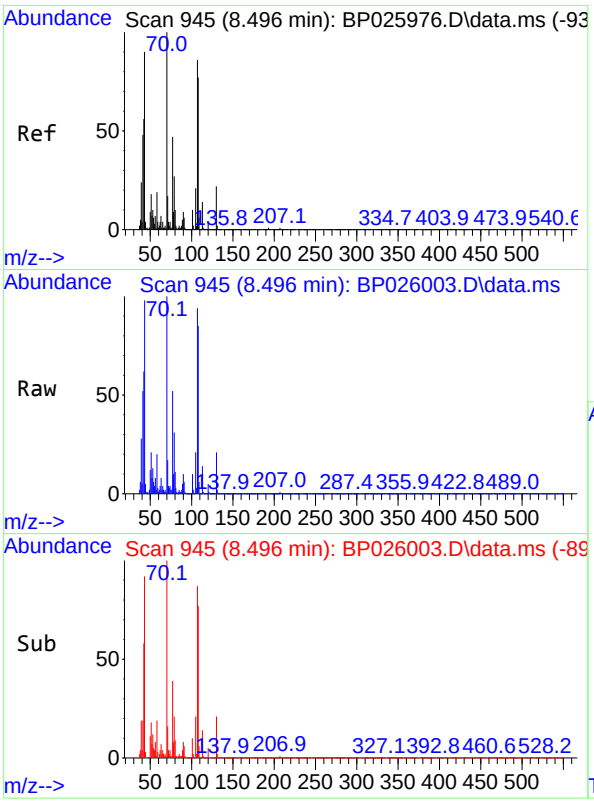


#18
Hexachloroethane
Concen: 42.477 ng
RT: 8.755 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:117 Resp: 203399

Ion	Ratio	Lower	Upper
117	100		
119	98.7	74.6	112.0
201	108.6	88.6	133.0

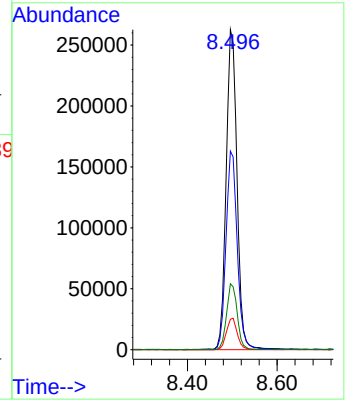




#19
n-Nitroso-di-n-propylamine
Concen: 46.274 ng
RT: 8.496 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 70 Resp: 44127

Ion	Ratio	Lower	Upper
70	100		
42	62.0	45.2	67.8
101	9.5	7.9	11.9
130	20.6	17.3	25.9



Instrument :
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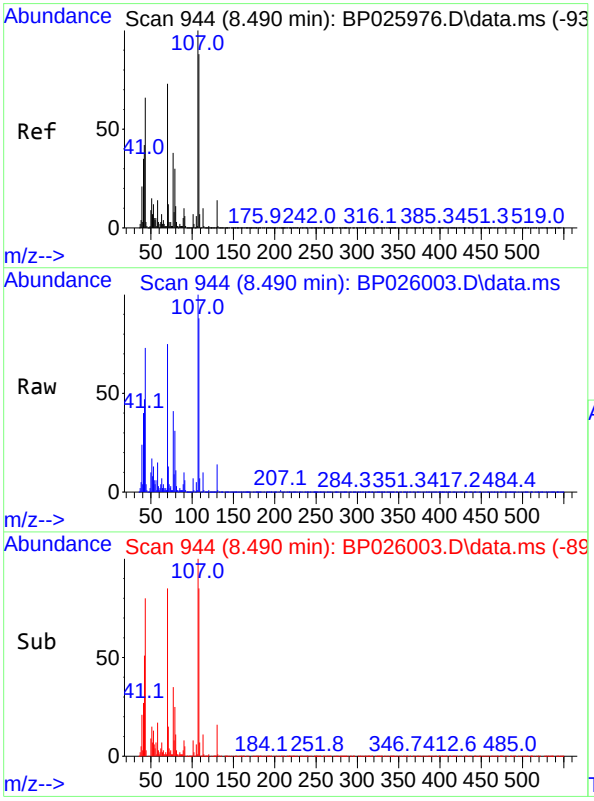
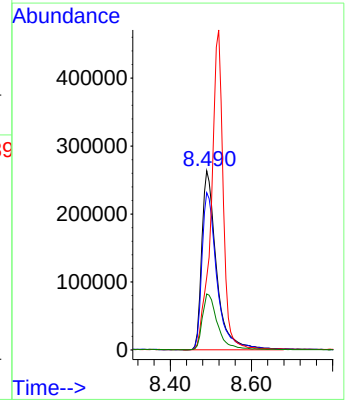
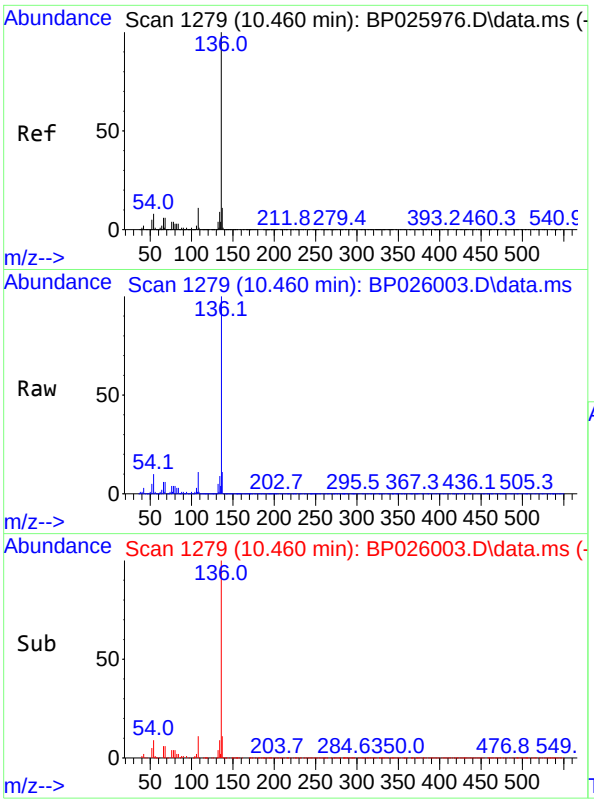


#20
3+4-Methylphenols
Concen: 49.523 ng
RT: 8.490 min Scan# 944
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:107 Resp: 667994

Ion	Ratio	Lower	Upper
107	100		
108	87.8	67.8	107.8
77	40.5	18.5	58.5
79	31.3	9.7	49.7

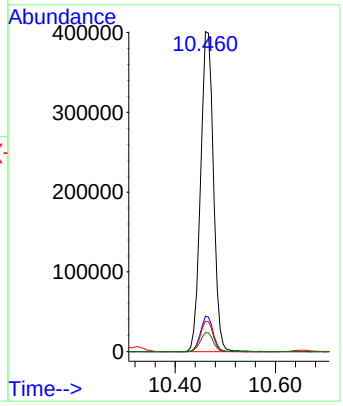




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:136 Resp: 71157

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	9.5	6.8	10.2
68	5.9	4.5	6.7



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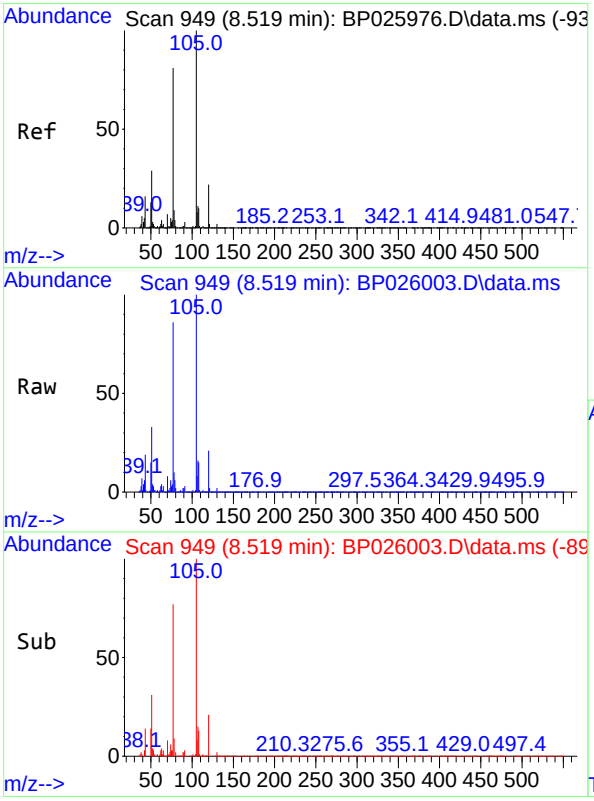
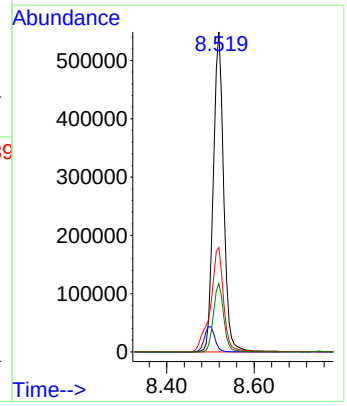
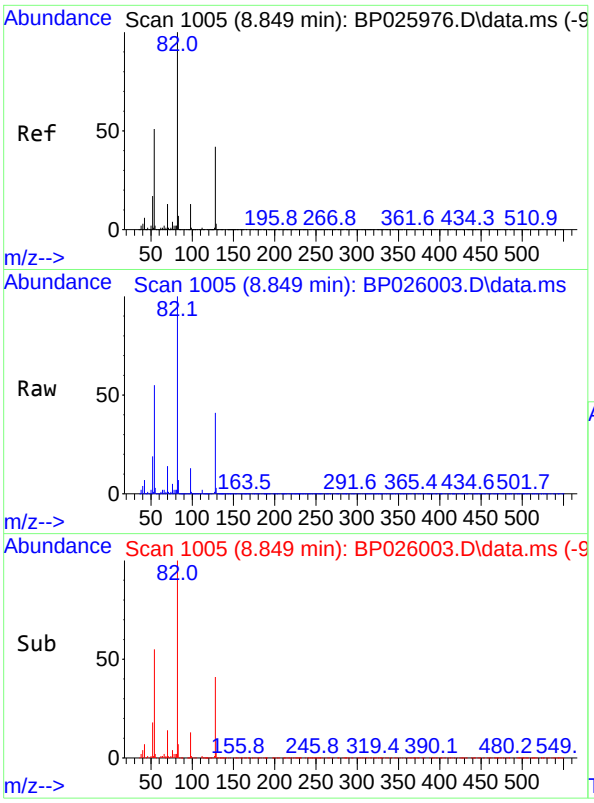


#22
Acetophenone
Concen: 46.775 ng
RT: 8.519 min Scan# 949
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:105 Resp: 904873

Ion	Ratio	Lower	Upper
105	100		
71	1.2	0.9	1.3
51	32.6	23.0	34.4
120	21.4	17.8	26.6





#23
Nitrobenzene-d5
Concen: 72.867 ng
RT: 8.849 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 82 Resp: 115356

Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.6	50.4
54	55.0	40.6	61.0

Instrument :
BNA_P
ClientSampleId :
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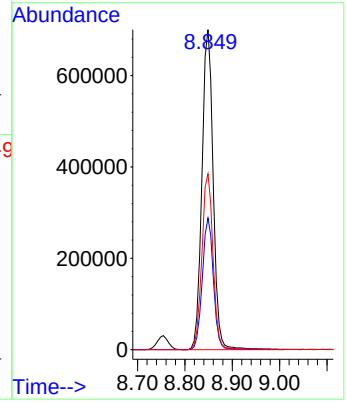
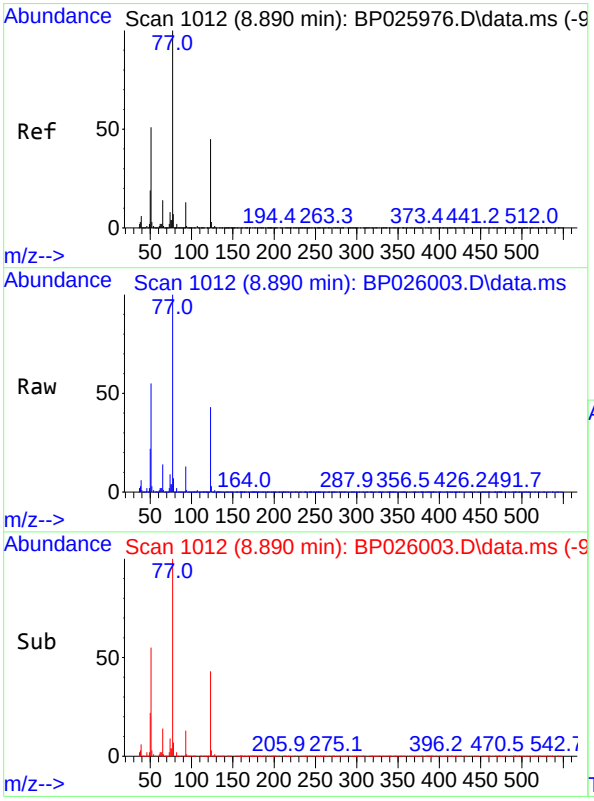
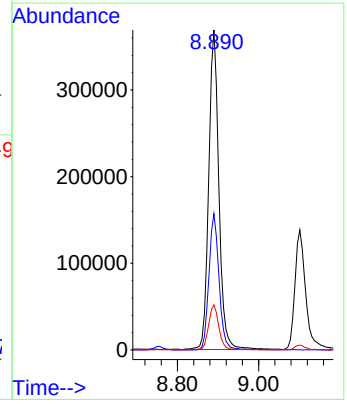


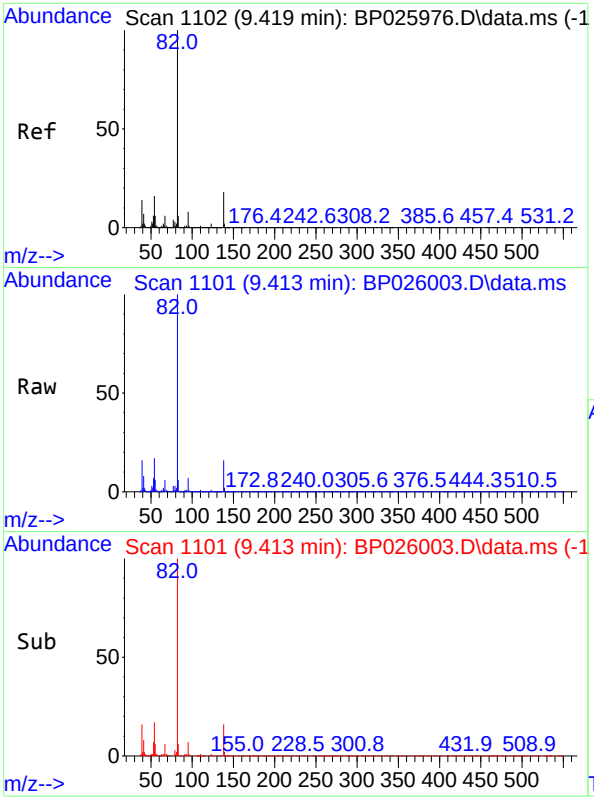


#24
Nitrobenzene
Concen: 45.305 ng
RT: 8.890 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 77 Resp: 637812

Ion	Ratio	Lower	Upper
77	100		
123	42.6	35.6	53.4
65	14.1	11.1	16.7

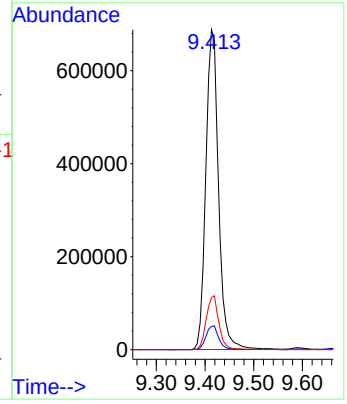




#25
Isophorone
Concen: 43.896 ng
RT: 9.413 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 82 Resp: 124809

Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.1	9.1
138	16.3	14.2	21.2



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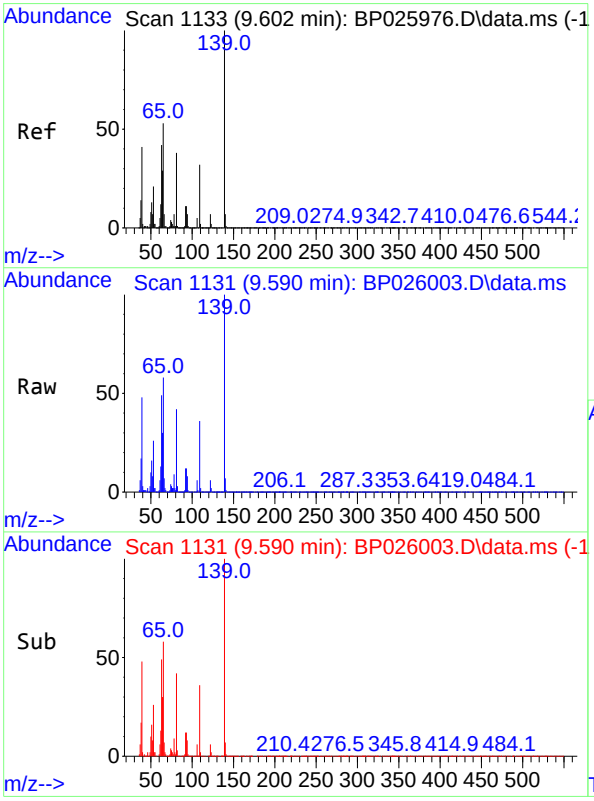
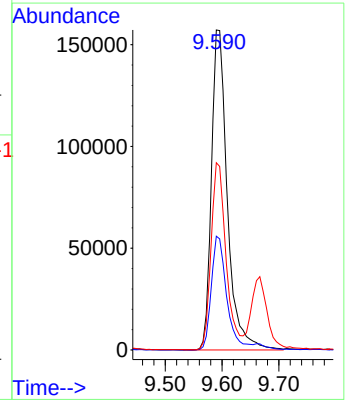
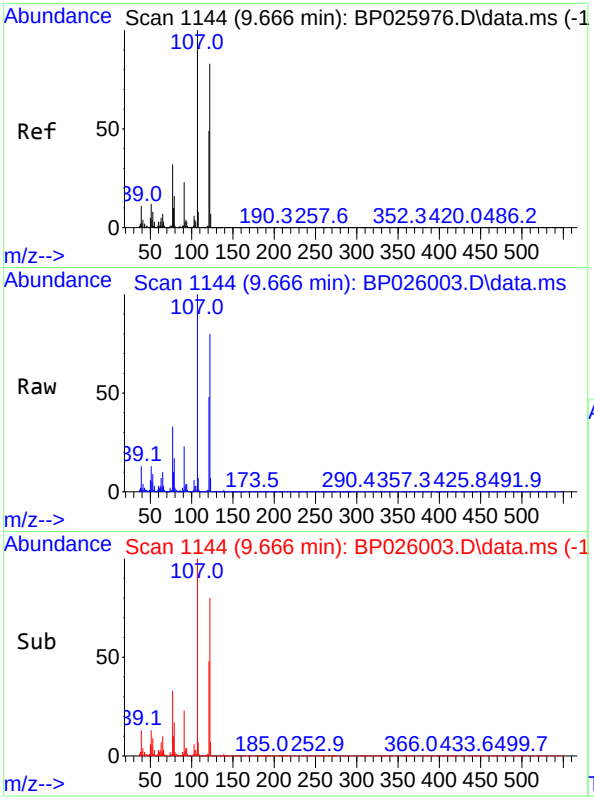


#26
2-Nitrophenol
Concen: 44.666 ng
RT: 9.590 min Scan# 1131
Delta R.T. -0.012 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:139 Resp: 304525

Ion	Ratio	Lower	Upper
139	100		
109	35.6	25.9	38.9
65	58.5	42.4	63.6

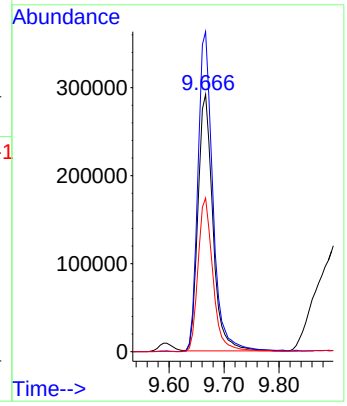




#27
2,4-Dimethylphenol
Concen: 47.567 ng
RT: 9.666 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:122 Resp: 54955

Ion	Ratio	Lower	Upper
122	100		
107	124.4	95.9	143.9
121	59.7	46.6	70.0



Instrument :
BNA_P
ClientSampleId :
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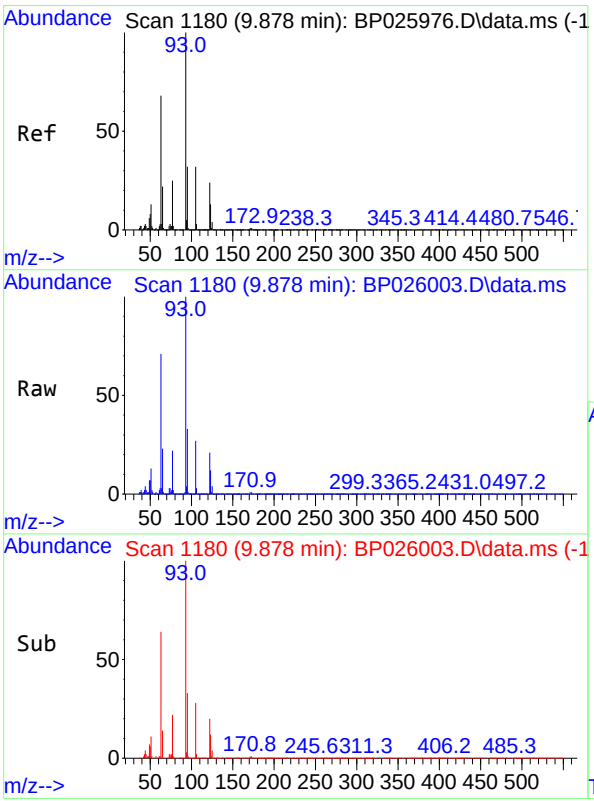
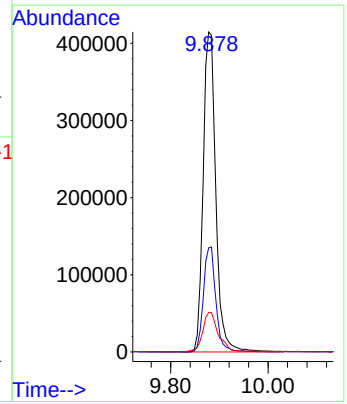
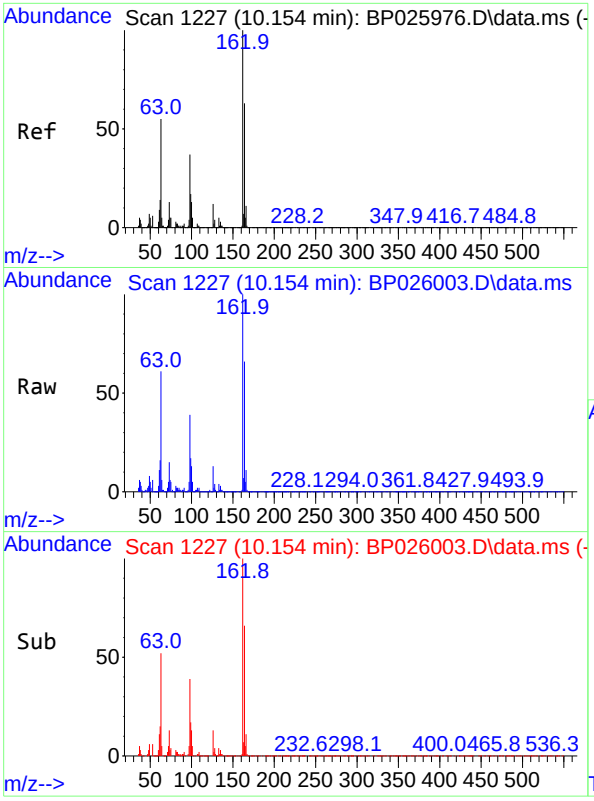


#28
bis(2-Chloroethoxy)methane
Concen: 45.077 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 93 Resp: 749761

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.3	37.9
123	12.4	10.4	15.6





#29
2,4-Dichlorophenol
Concen: 49.032 ng
RT: 10.154 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:162 Resp: 56444

Ion	Ratio	Lower	Upper
162	100		
164	66.1	43.4	83.4
98	38.7	17.3	57.3

Instrument :
BNA_P
ClientSampleId :
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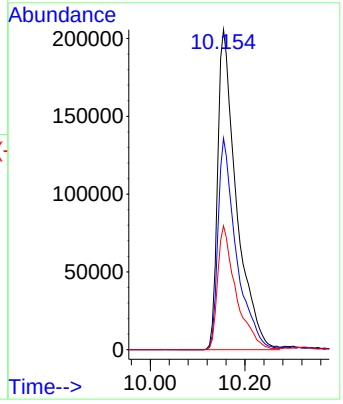
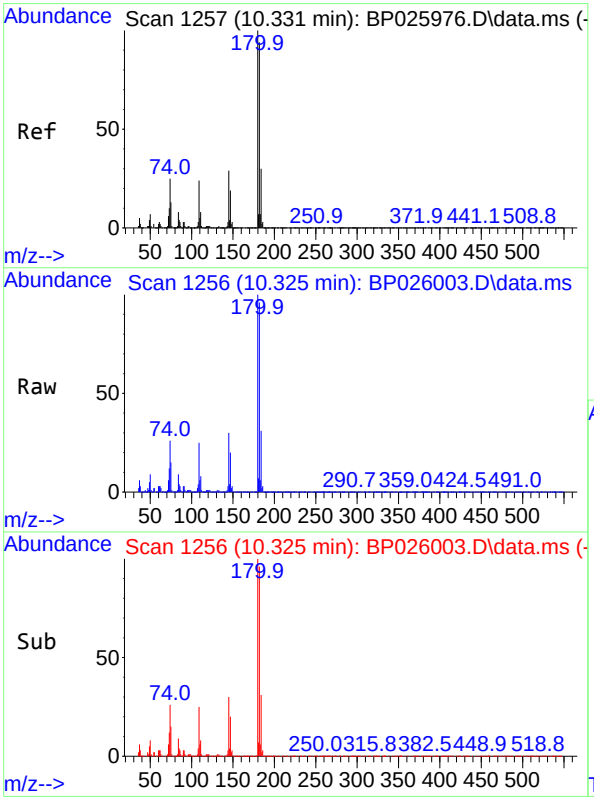
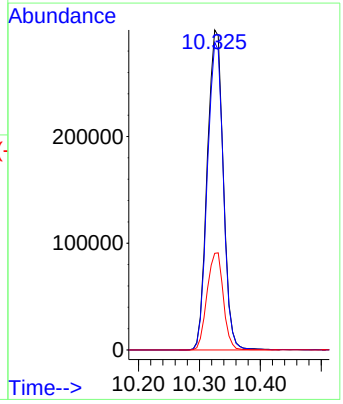


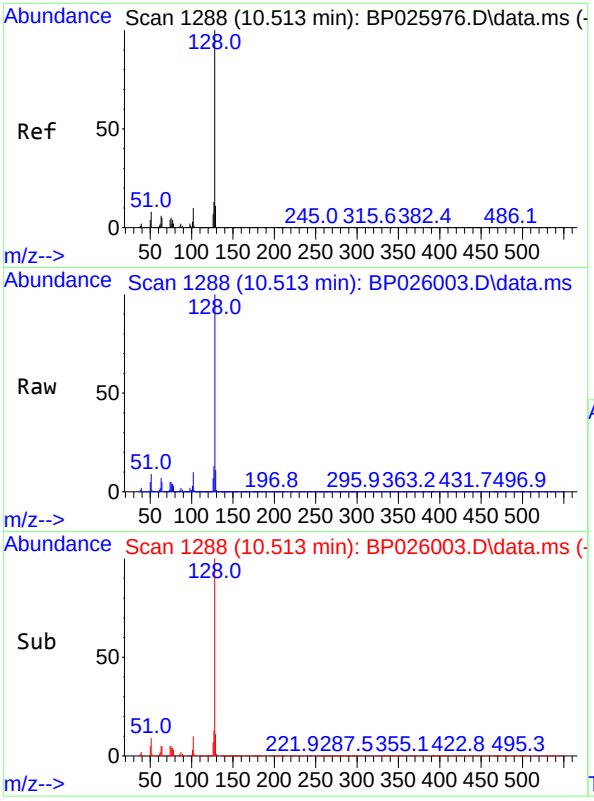


#30
1,2,4-Trichlorobenzene
Concen: 42.042 ng
RT: 10.325 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:180 Resp: 547923

Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.3	112.9
145	30.2	23.4	35.2

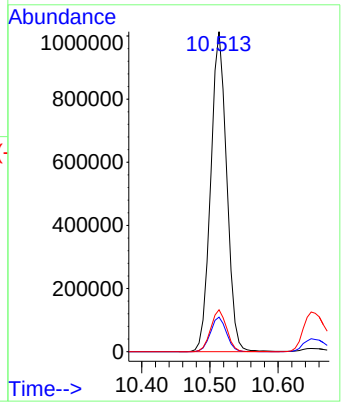




#31
Naphthalene
Concen: 42.985 ng
RT: 10.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:128 Resp: 165001

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.1	10.6	16.0



Instrument :
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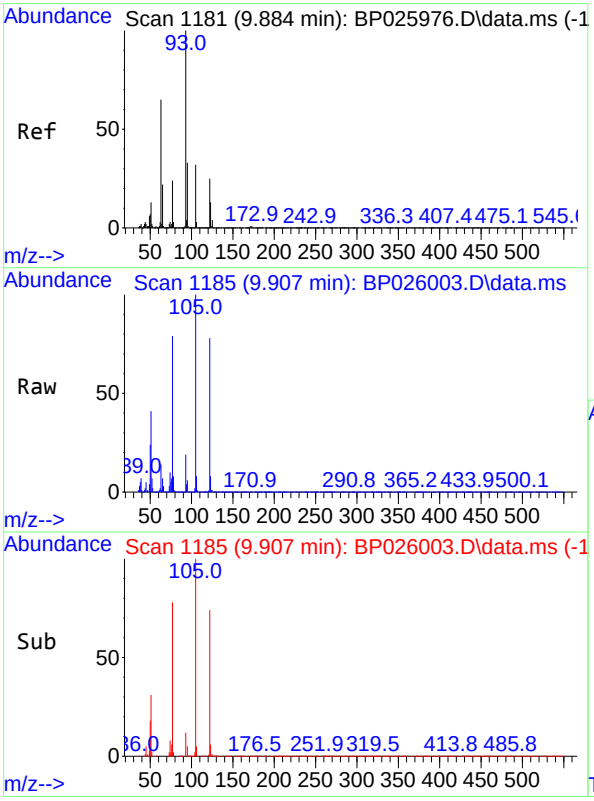
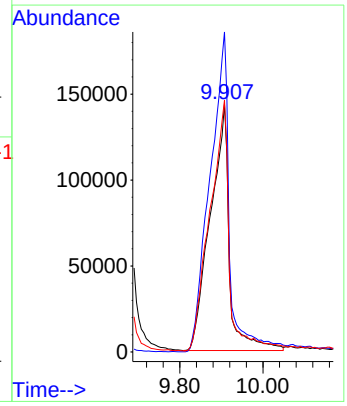
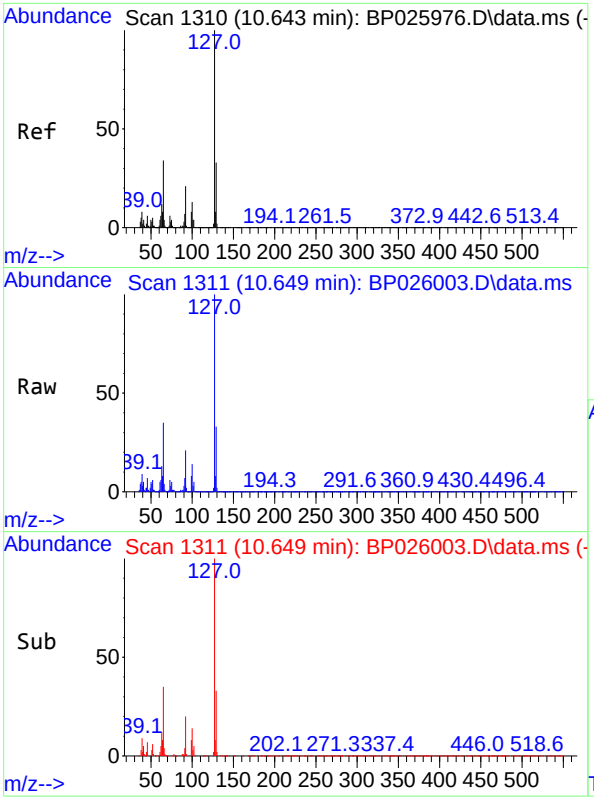


#32
Benzoic acid
Concen: 54.501 ng
RT: 9.907 min Scan# 1185
Delta R.T. 0.024 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:122 Resp: 456287

Ion	Ratio	Lower	Upper
122	100		
105	128.9	107.4	147.4
77	101.5	77.0	117.0

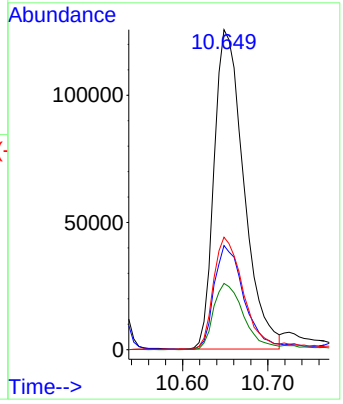




#33
4-Chloroaniline
Concen: 18.644 ng
RT: 10.649 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:127 Resp: 30391

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	35.2	27.2	40.8
92	20.7	17.0	25.4



Instrument :
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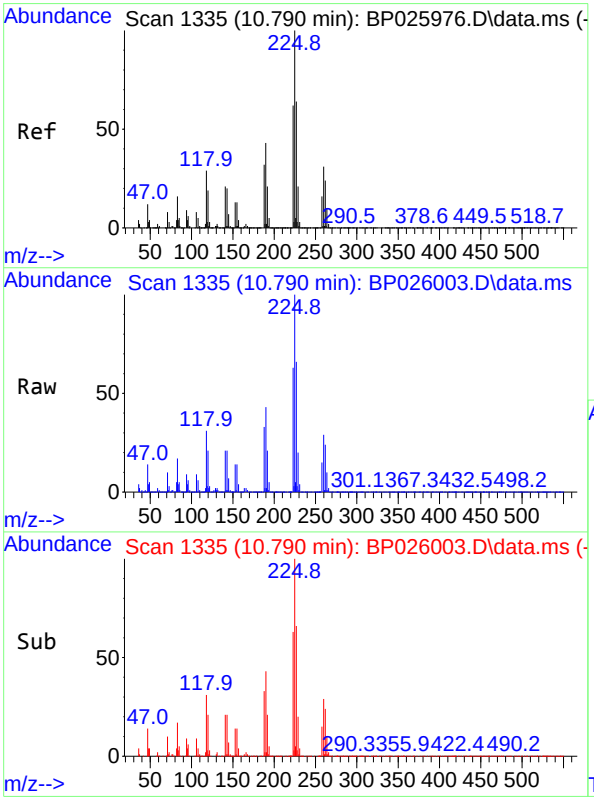
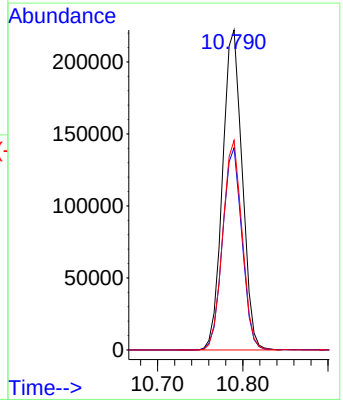
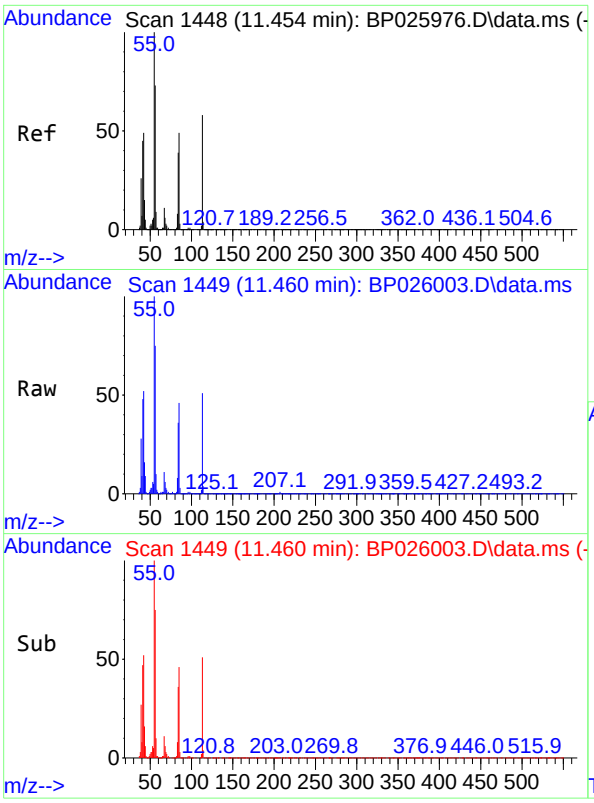


#34
Hexachlorobutadiene
Concen: 41.238 ng
RT: 10.790 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:225 Resp: 355683

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.8	74.8
227	65.5	51.4	77.2

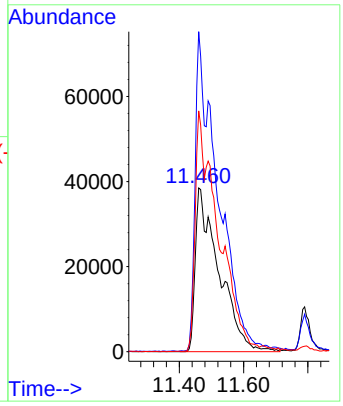




#35
Caprolactam
Concen: 47.745 ng m
RT: 11.460 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:113 Resp: 19559

Ion	Ratio	Lower	Upper
113	100		
55	195.4	151.8	191.8#
56	147.1	104.6	144.6#



Instrument :
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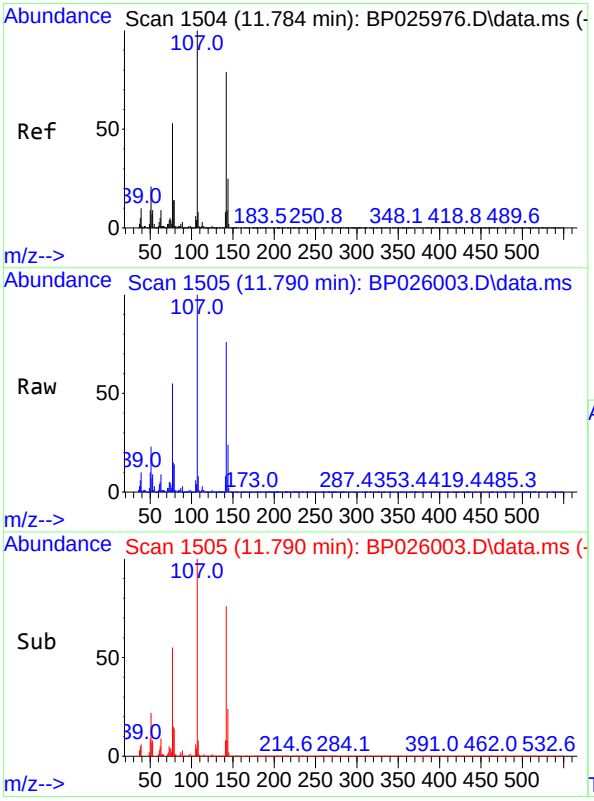
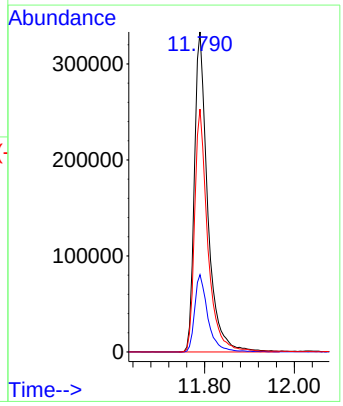
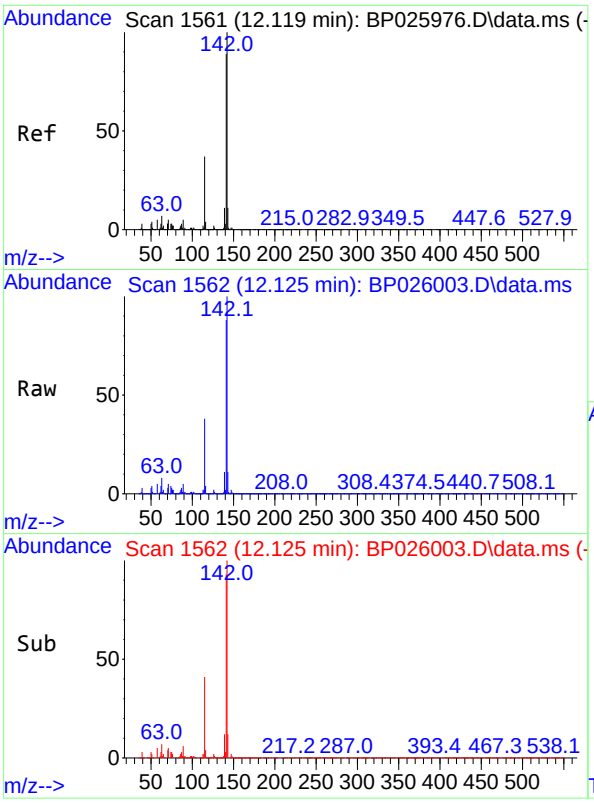


#36
4-Chloro-3-methylphenol
Concen: 50.677 ng
RT: 11.790 min Scan# 1505
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:107 Resp: 684910

Ion	Ratio	Lower	Upper
107	100		
144	24.2	20.3	30.5
142	75.9	63.0	94.4

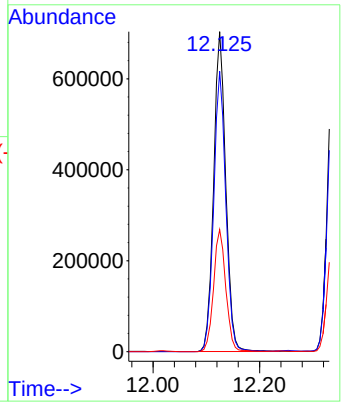




#37
2-Methylnaphthalene
Concen: 44.206 ng
RT: 12.125 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:142 Resp: 111100

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.9	106.3
115	38.2	29.9	44.9



Instrument :
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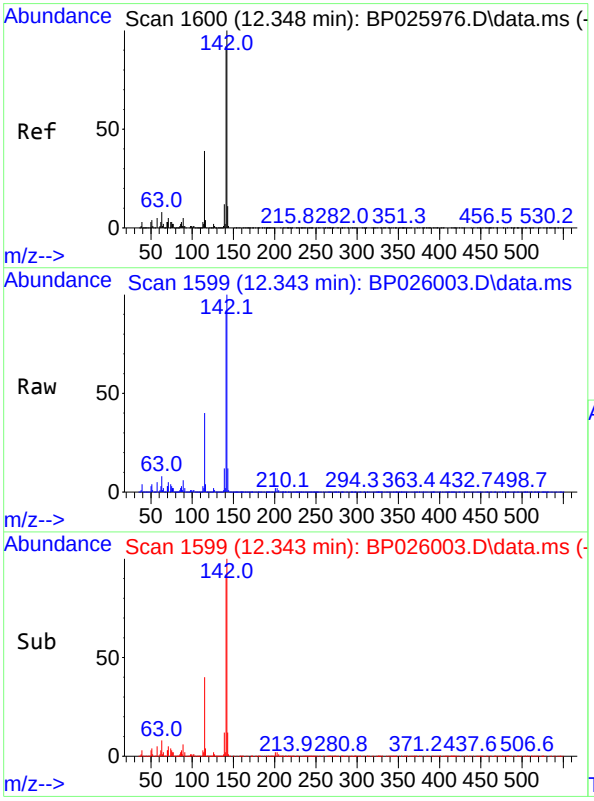
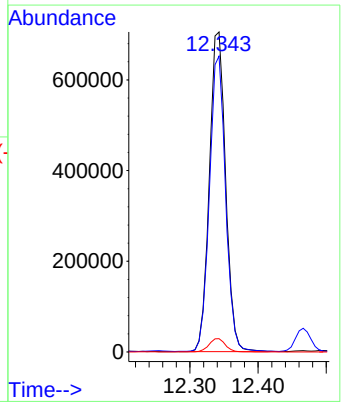
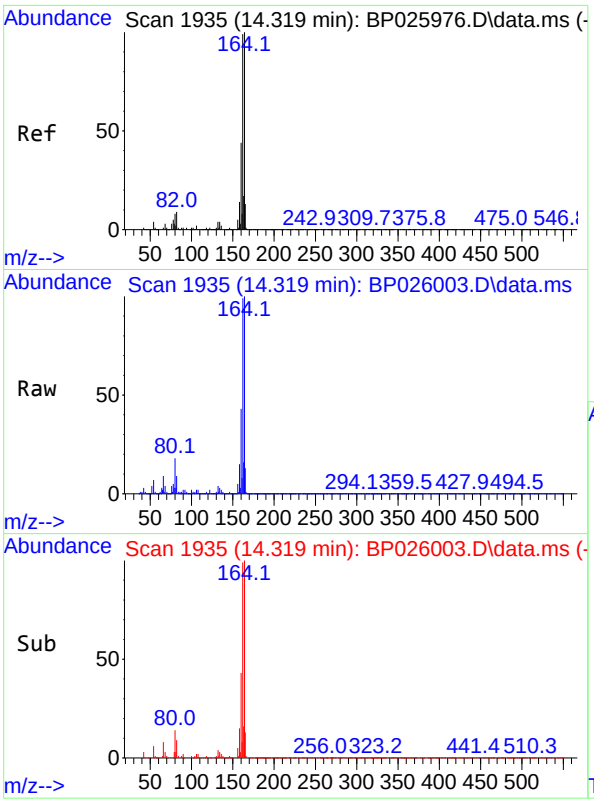


#38
1-Methylnaphthalene
Concen: 44.264 ng
RT: 12.343 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:142 Resp: 1173410

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.7	110.5
116	4.1	3.2	4.8

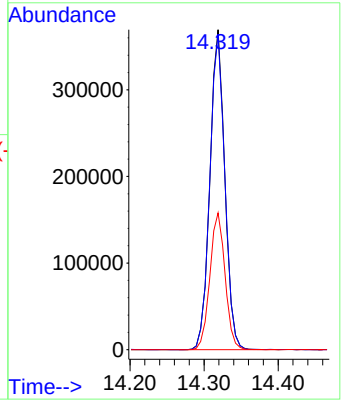




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:164 Resp: 51528

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.3	118.9
160	42.8	35.4	53.0



Instrument :
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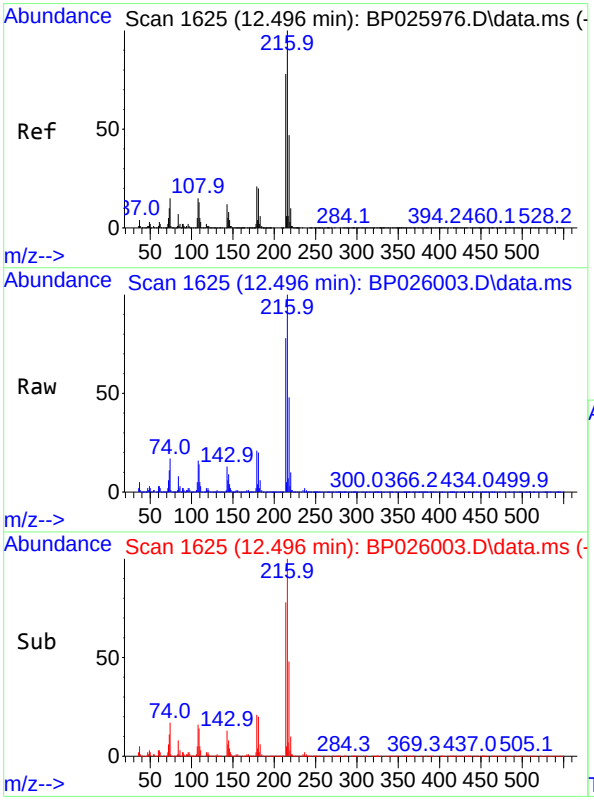
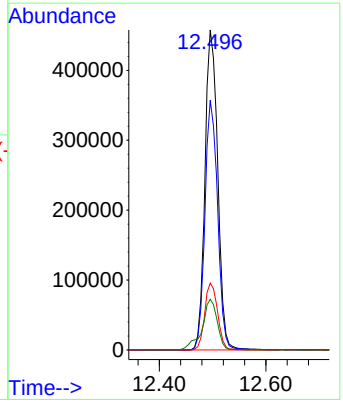
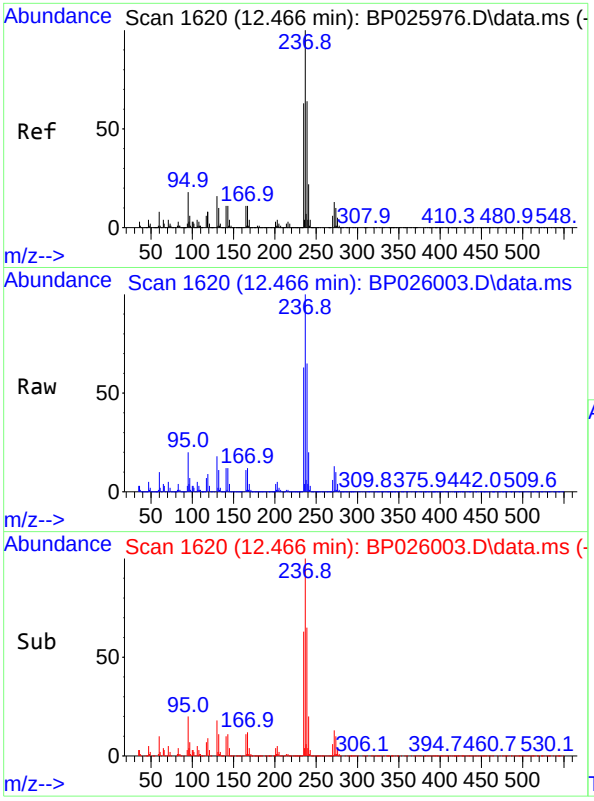


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.331 ng
RT: 12.496 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:216 Resp: 760610

Ion	Ratio	Lower	Upper
216	100		
214	77.5	62.6	94.0
179	21.1	16.5	24.7
108	18.8	13.4	20.0

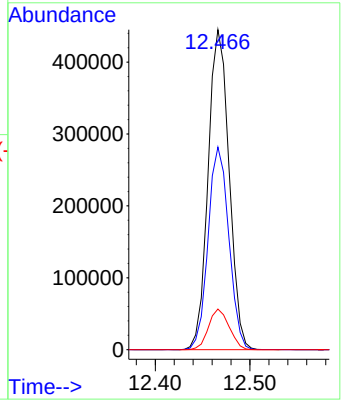




#41
Hexachlorocyclopentadiene
Concen: 70.107 ng
RT: 12.466 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:237 Resp: 68629

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.1	83.1
272	12.7	0.0	33.4



Instrument :
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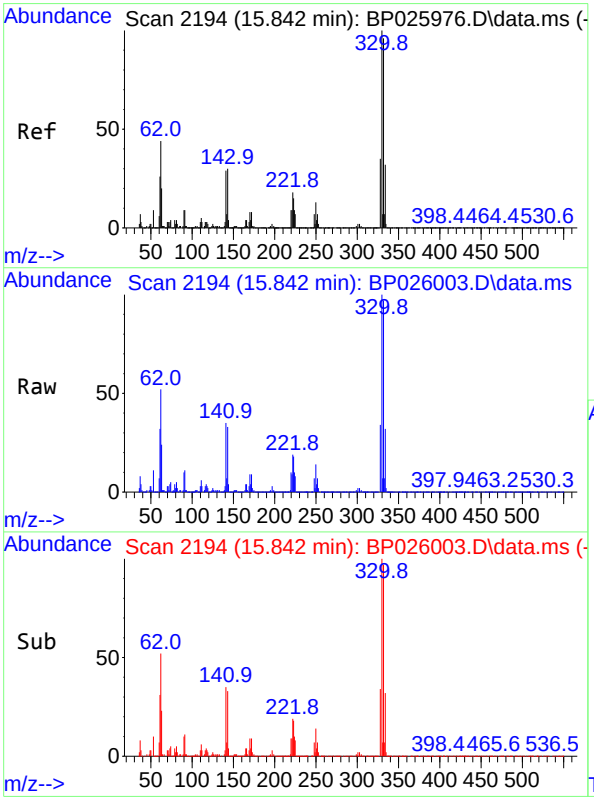
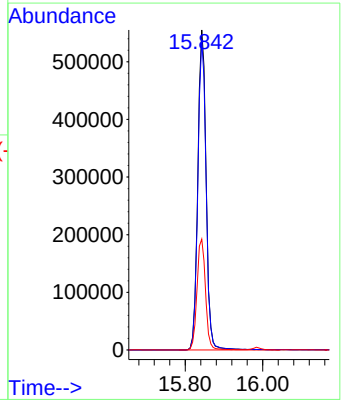
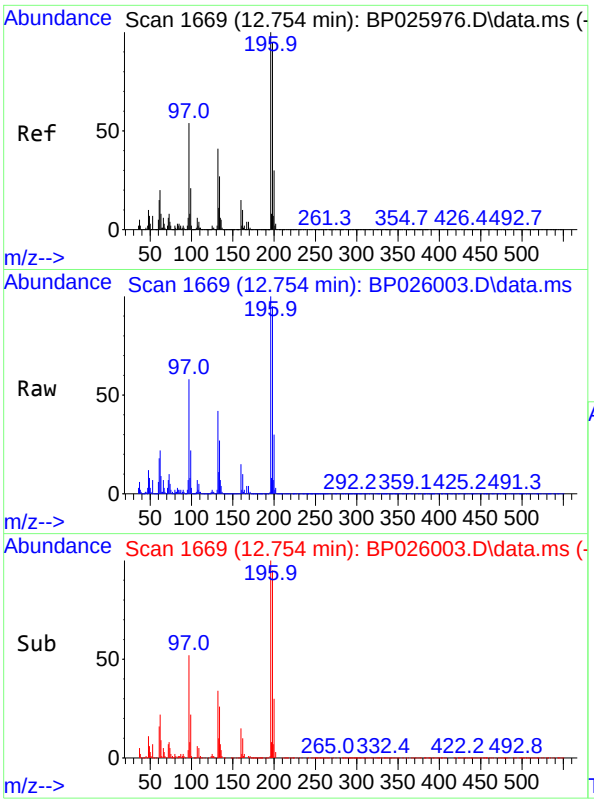


#42
2,4,6-Tribromophenol
Concen: 118.989 ng
RT: 15.842 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:330 Resp: 825421

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.8	116.8
141	35.6	25.6	38.4

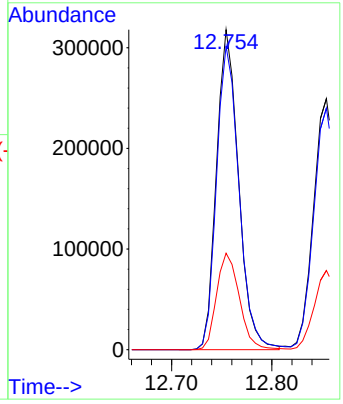




#43
2,4,6-Trichlorophenol
Concen: 45.614 ng
RT: 12.754 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:196 Resp: 48580

Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.3	114.5
200	30.2	23.9	35.9



Instrument :
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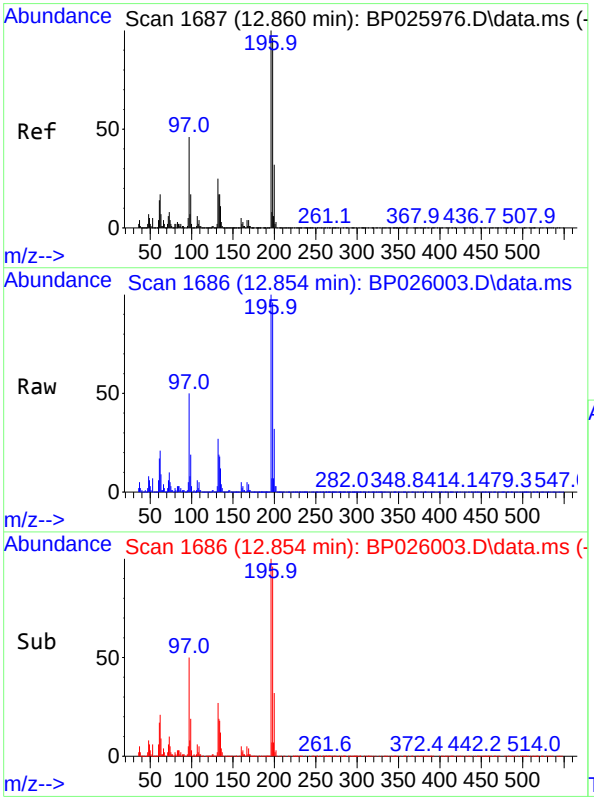
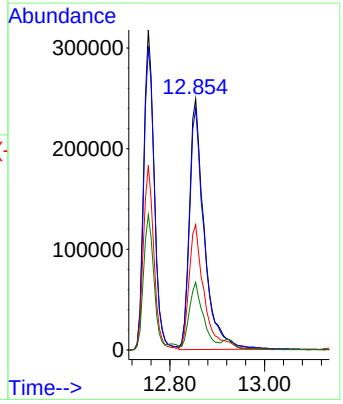
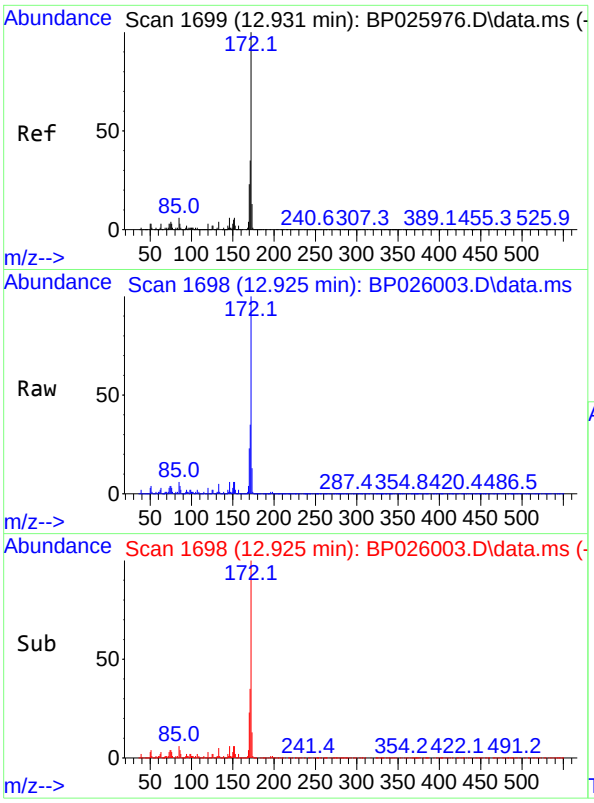


#44
2,4,5-Trichlorophenol
Concen: 47.028 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:196 Resp: 545404

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.0	115.4
97	49.9	36.6	54.8
132	26.9	20.1	30.1

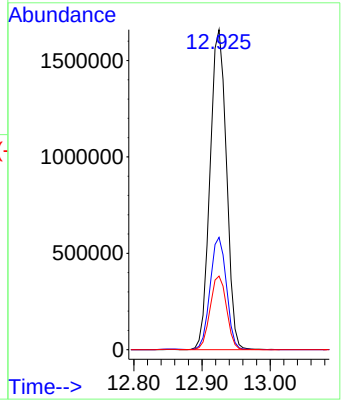




#45
2-Fluorobiphenyl
Concen: 69.293 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:172 Resp: 278572

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.8
170	23.0	18.5	27.7



Instrument :
BNA_P
ClientSampleId :
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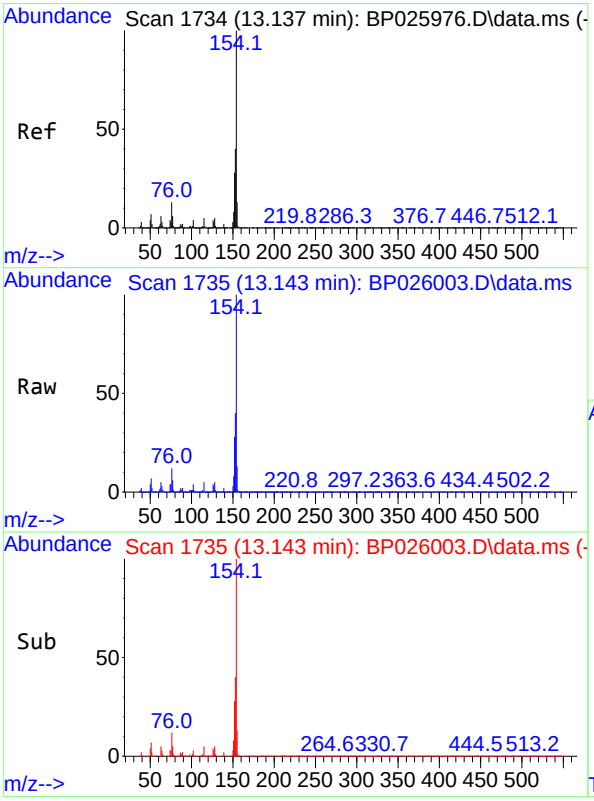
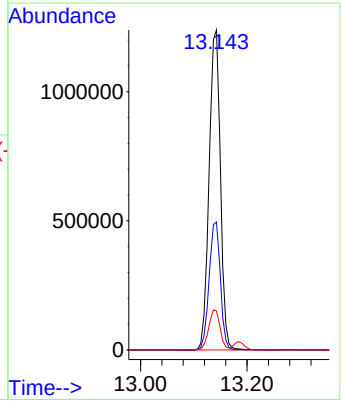
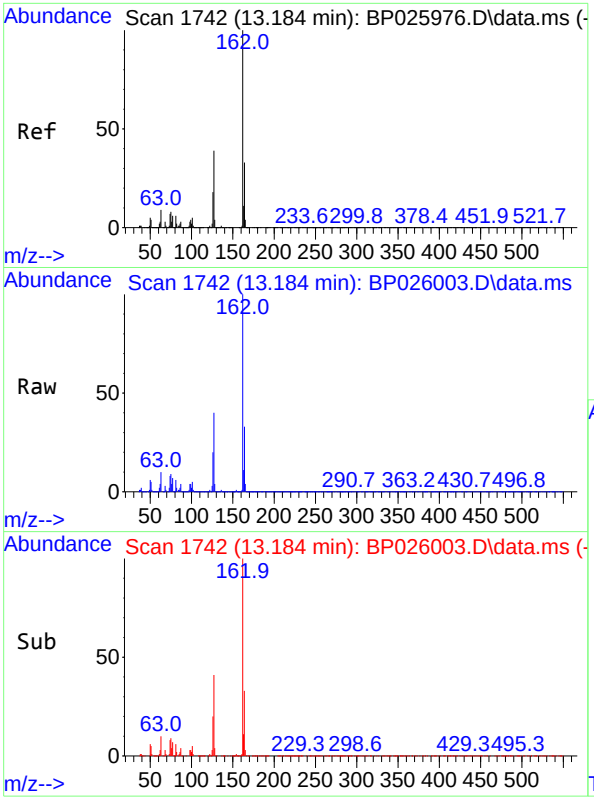


#46
1,1'-Biphenyl
Concen: 46.860 ng
RT: 13.143 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:154 Resp: 1823986

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.1	60.1
76	12.2	0.0	33.1

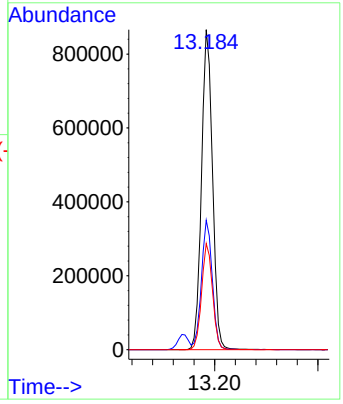




#47
2-Chloronaphthalene
Concen: 42.023 ng
RT: 13.184 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:162 Resp: 127894

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.4	47.0
164	33.1	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
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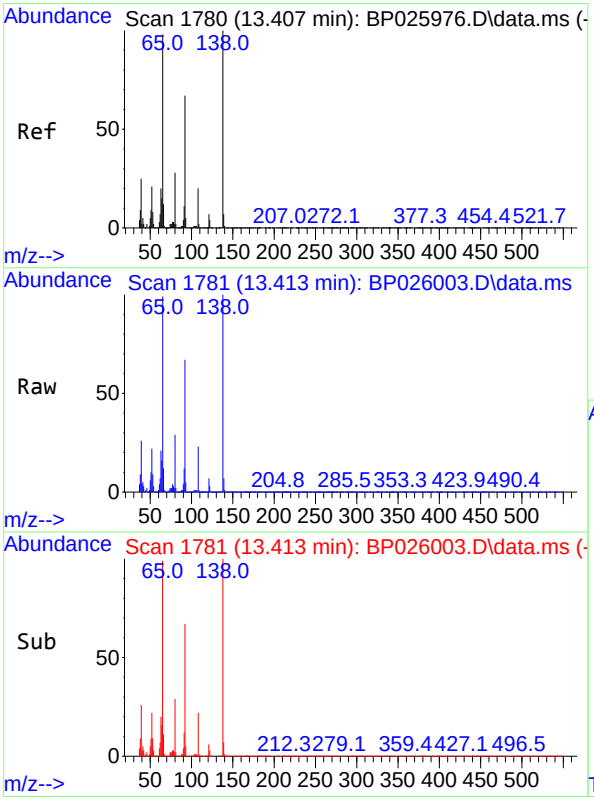
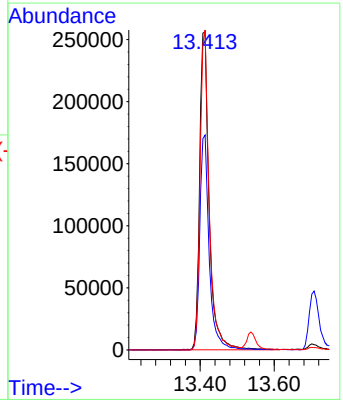
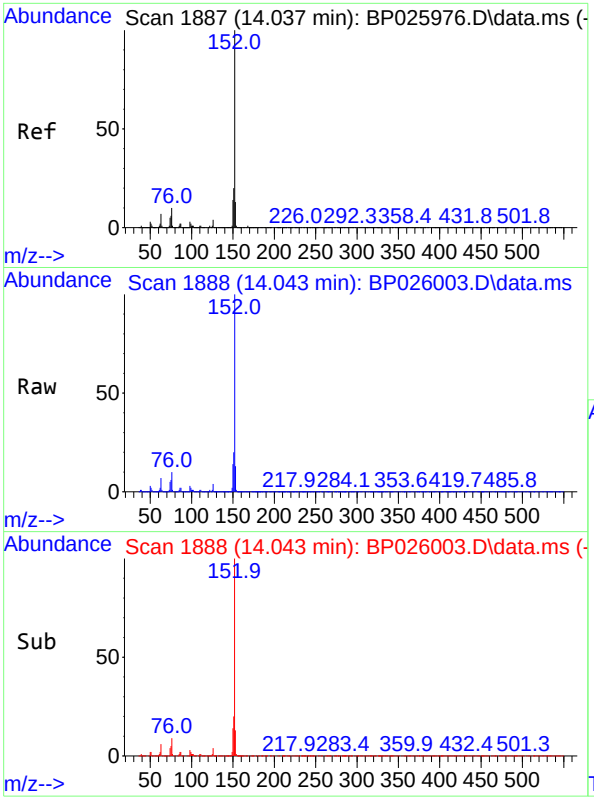


#48
2-Nitroaniline
Concen: 48.244 ng
RT: 13.413 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 65 Resp: 457621

Ion	Ratio	Lower	Upper
65	100		
92	67.6	55.0	82.4
138	100.6	82.0	123.0

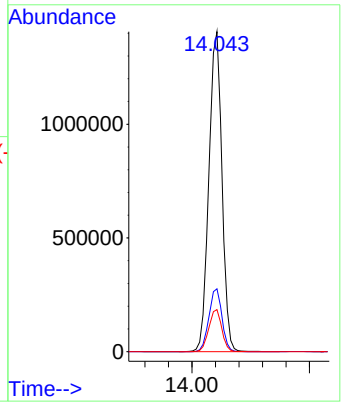




#49
Acenaphthylene
Concen: 44.032 ng
RT: 14.043 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:152 Resp: 216681

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.2	10.6	15.8



Instrument :
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ClientSampleId :
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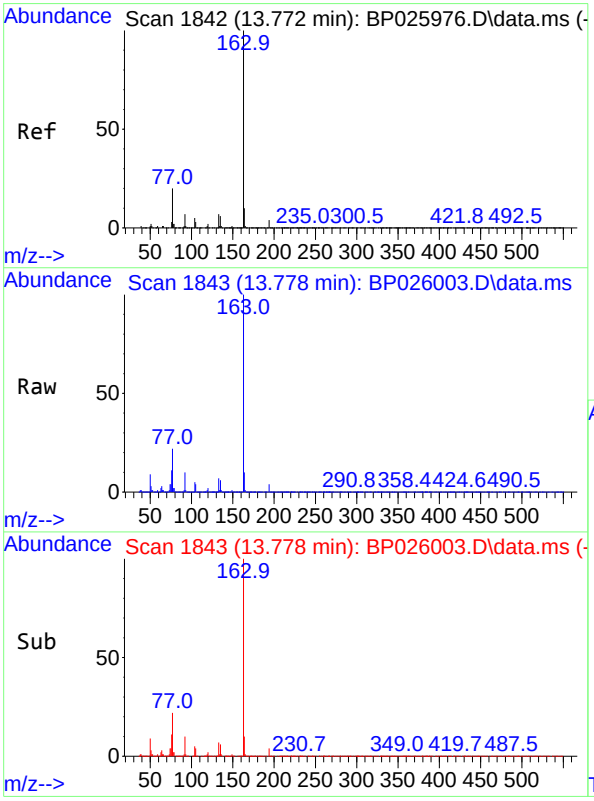
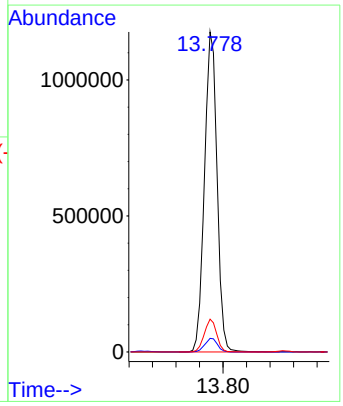
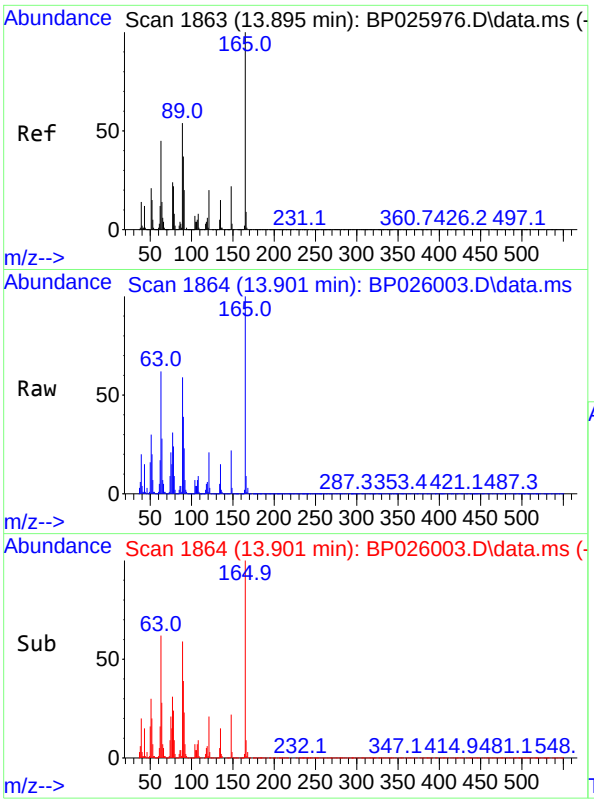


#50
Dimethylphthalate
Concen: 44.843 ng
RT: 13.778 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:163 Resp: 1746558

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.6	5.4
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 45.449 ng
RT: 13.901 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:165 Resp: 38219

Ion	Ratio	Lower	Upper
165	100		
63	62.4	45.4	68.0
89	58.8	43.4	65.0

Instrument :
BNA_P
ClientSampleId :
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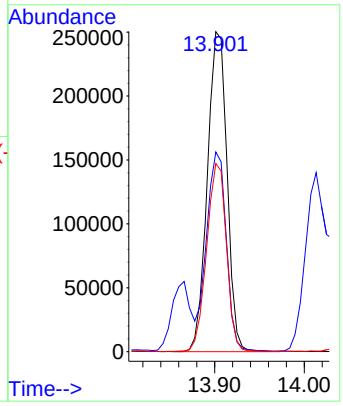
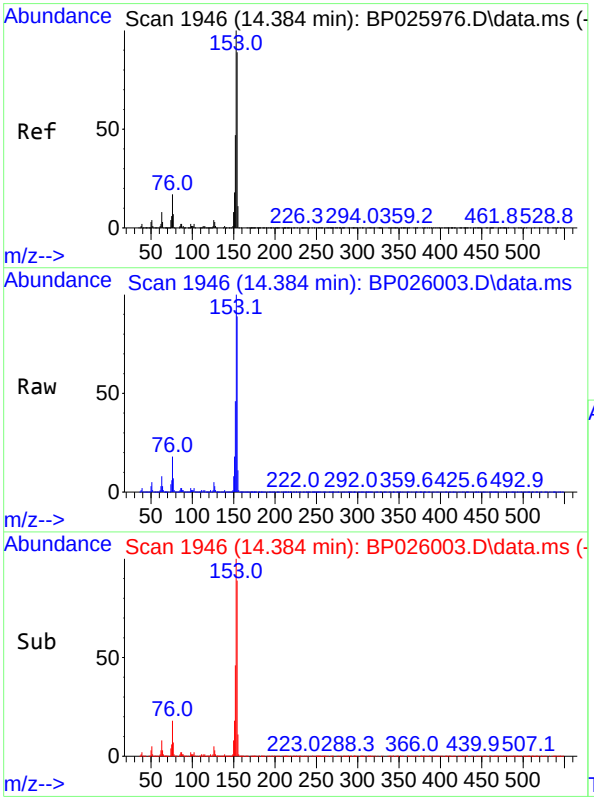
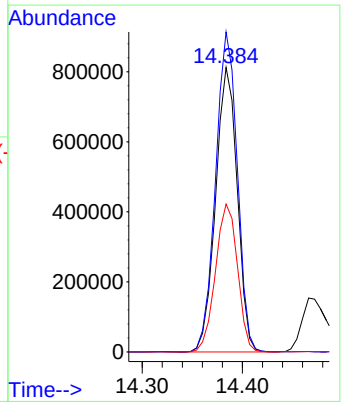


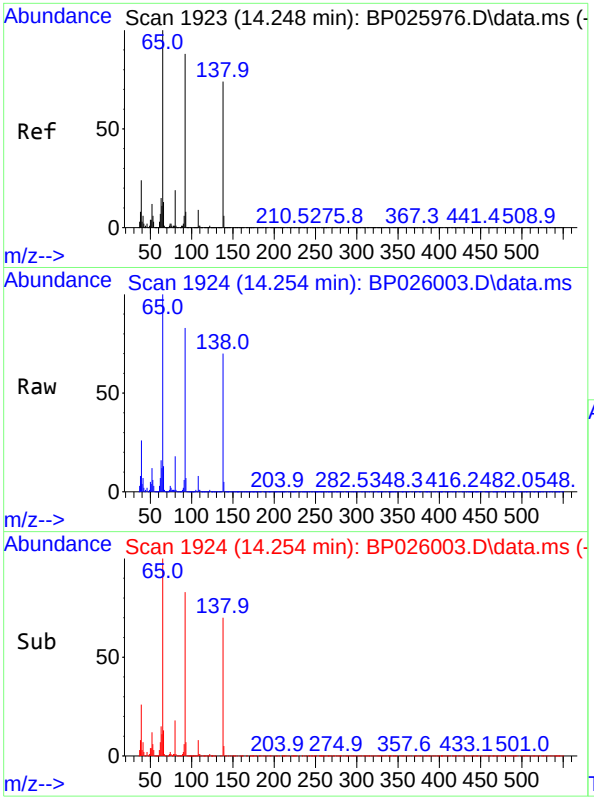


#52
Acenaphthene
Concen: 42.878 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:154 Resp: 1218436

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.2	135.2
152	51.9	42.2	63.2

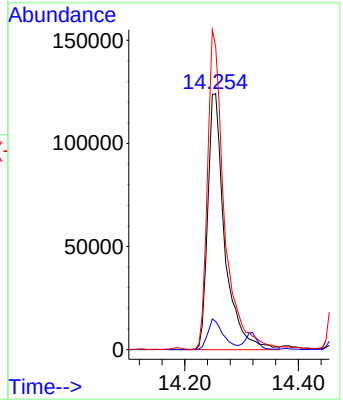




#53
3-Nitroaniline
Concen: 30.580 ng
RT: 14.254 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:138 Resp: 25613

Ion	Ratio	Lower	Upper
138	100		
108	11.0	10.0	15.0
92	118.3	96.1	144.1



Instrument :
BNA_P
ClientSampleId :
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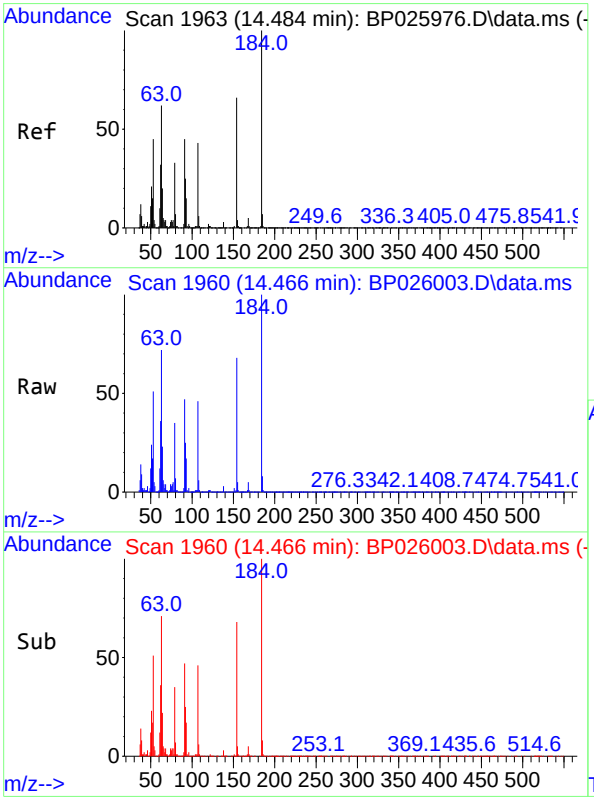
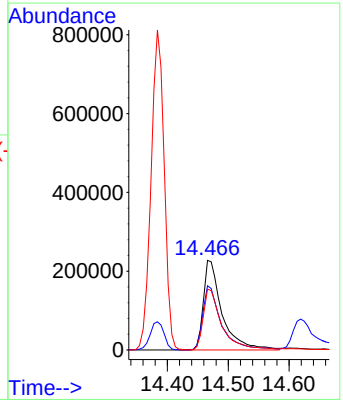
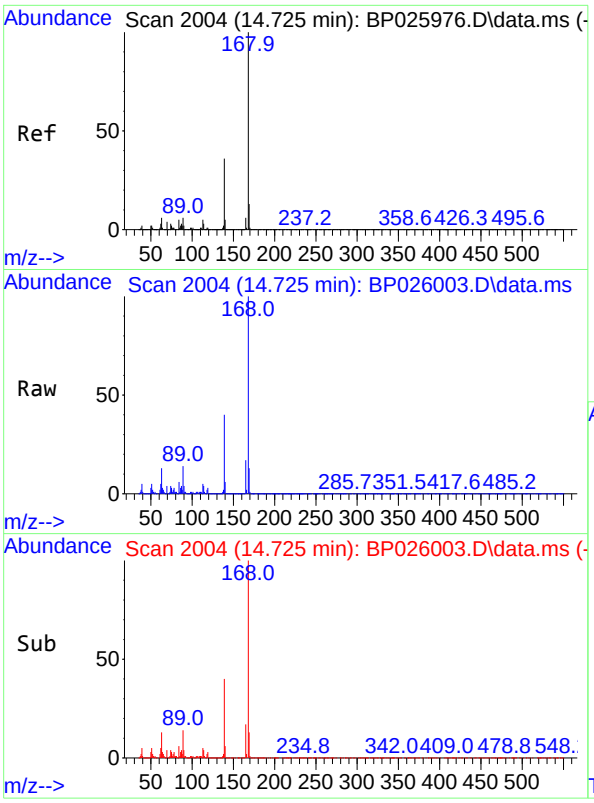


#54
2,4-Dinitrophenol
Concen: 84.391 ng
RT: 14.466 min Scan# 1960
Delta R.T. -0.018 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:184 Resp: 484110

Ion	Ratio	Lower	Upper
184	100		
63	71.6	50.2	75.2
154	67.7	54.2	81.4

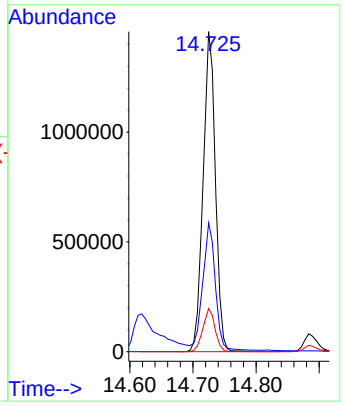




#55
Dibenzofuran
Concen: 43.338 ng
RT: 14.725 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:168 Resp: 197194

Ion	Ratio	Lower	Upper
168	100		
139	40.2	30.5	45.7
169	13.5	10.6	15.8



Instrument :
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ClientSampleId :
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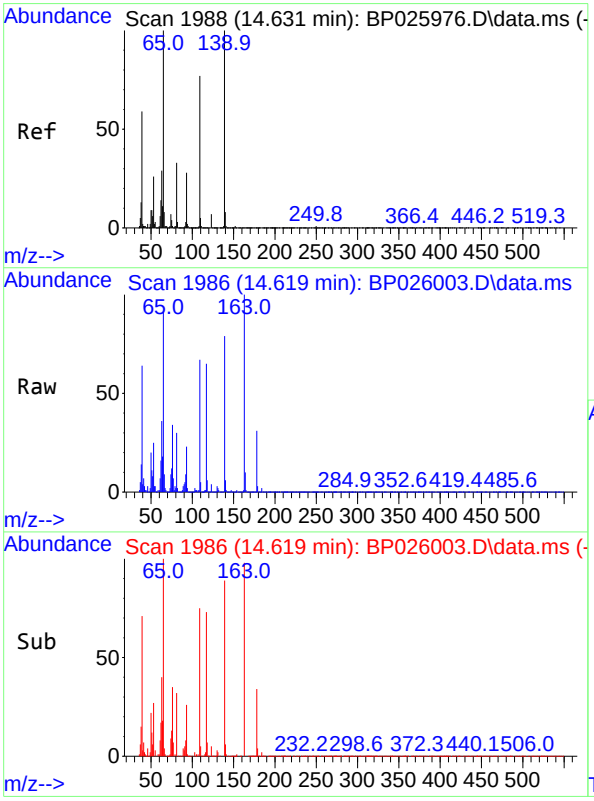
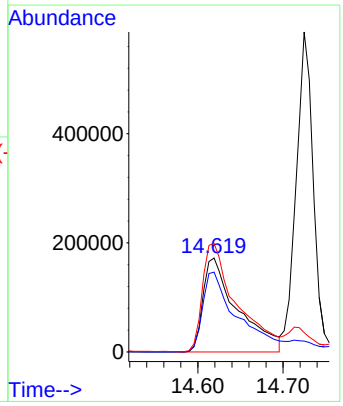
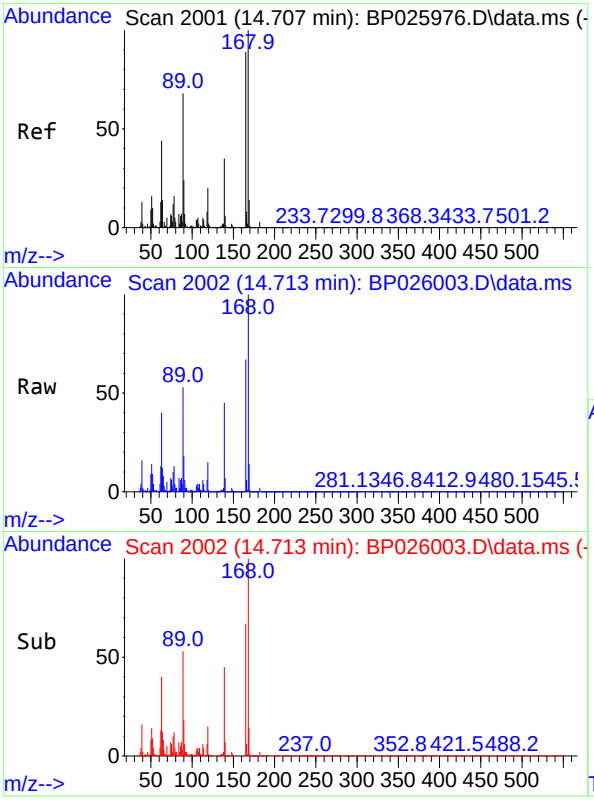


#56
4-Nitrophenol
Concen: 95.810 ng
RT: 14.619 min Scan# 1986
Delta R.T. -0.012 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:139 Resp: 486666

Ion	Ratio	Lower	Upper
139	100		
109	85.0	57.6	97.6
65	115.7	81.4	121.4

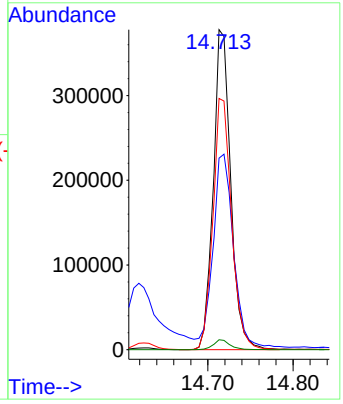




#57
2,4-Dinitrotoluene
Concen: 47.233 ng
RT: 14.713 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:165 Resp: 53820

Ion	Ratio	Lower	Upper
165	100		
63	59.8	41.8	62.6
89	78.5	61.6	92.4
182	3.1	2.4	3.6



Instrument :
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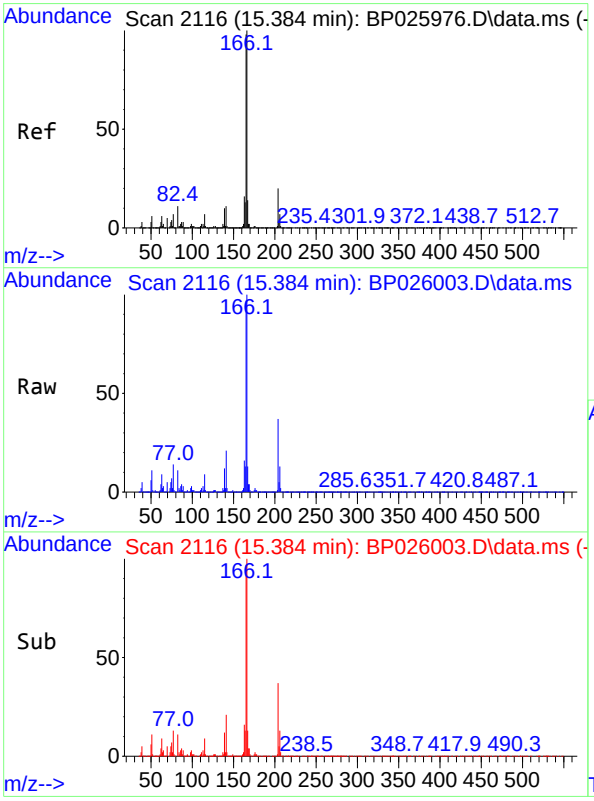
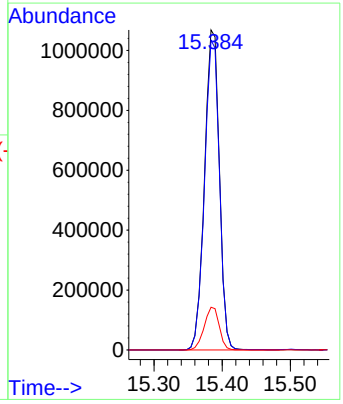
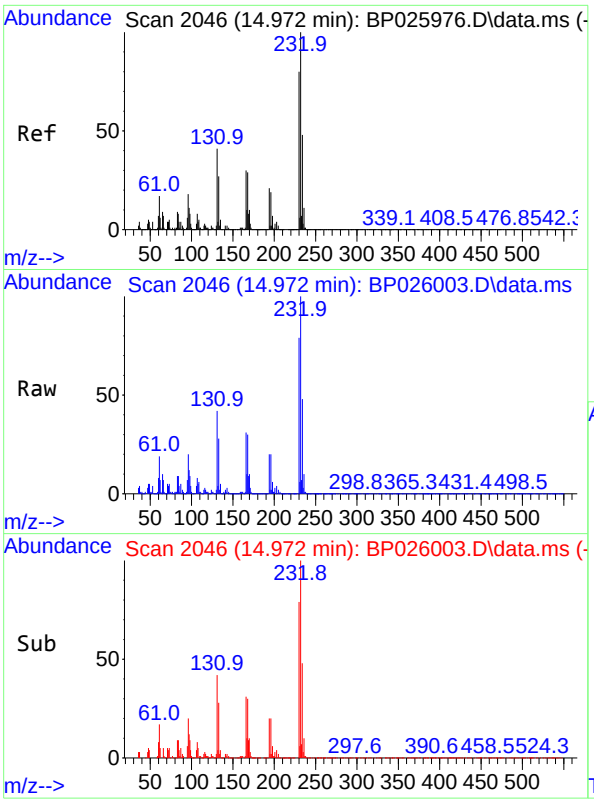


#58
Fluorene
Concen: 44.276 ng
RT: 15.384 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:166 Resp: 1618788

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.2	117.2
167	13.4	10.8	16.2

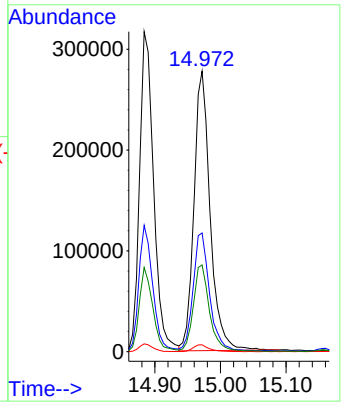




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.776 ng
RT: 14.972 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:232 Resp: 47636

Ion	Ratio	Lower	Upper
232	100		
131	42.9	33.8	50.8
130	2.5	1.8	2.8
166	30.6	23.7	35.5



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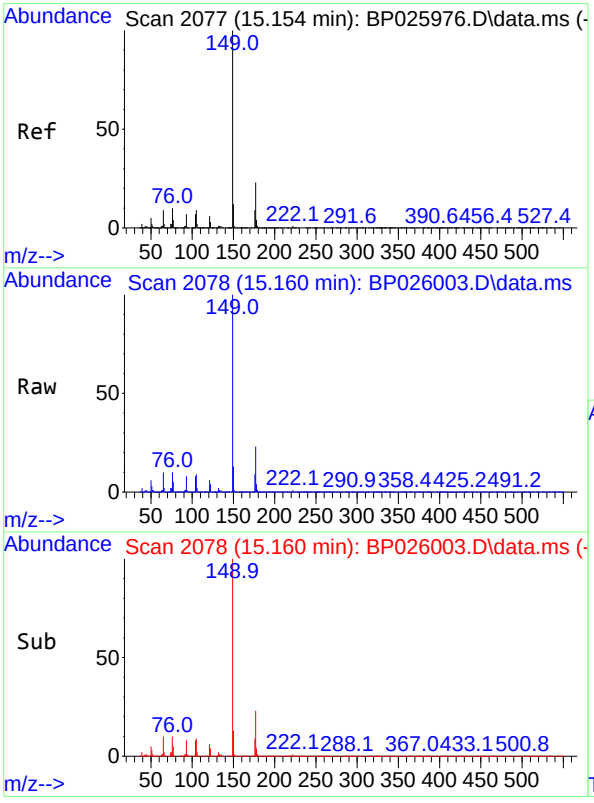
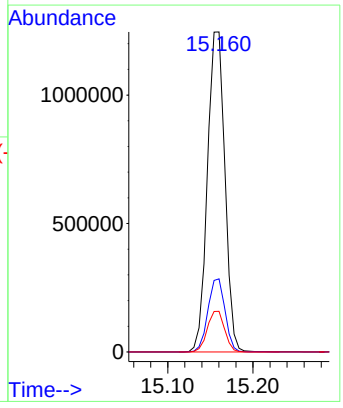
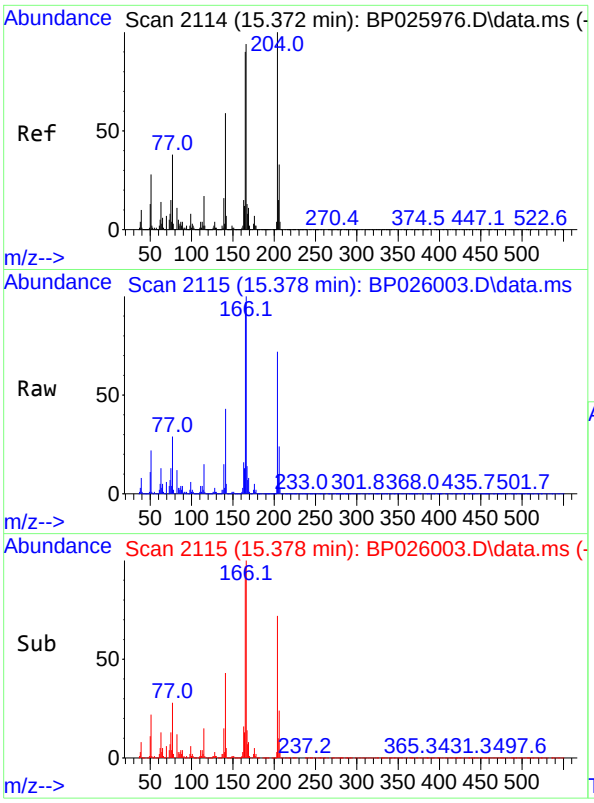


#60
Diethylphthalate
Concen: 46.181 ng
RT: 15.160 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:149 Resp: 1773452

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.2	27.2
150	12.7	9.8	14.6

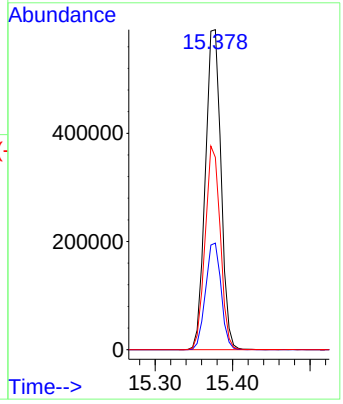




#61
4-Chlorophenyl-phenylether
Concen: 43.075 ng
RT: 15.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:204 Resp: 82815

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	60.1	47.2	70.8



Instrument :
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ClientSampleId :
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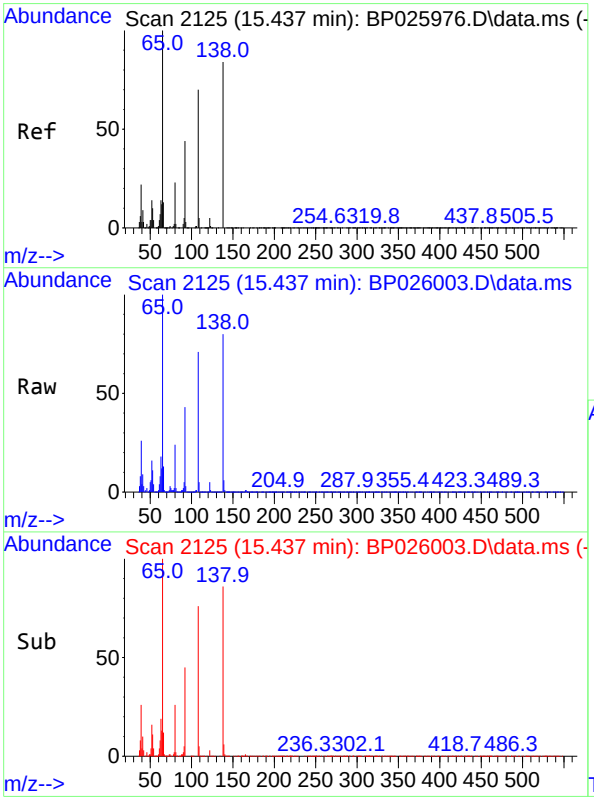
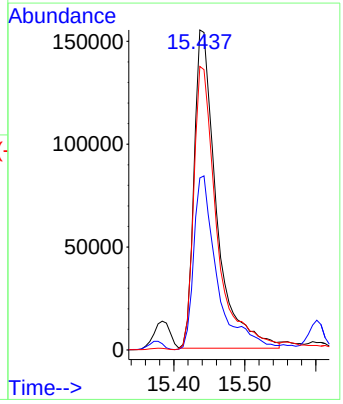
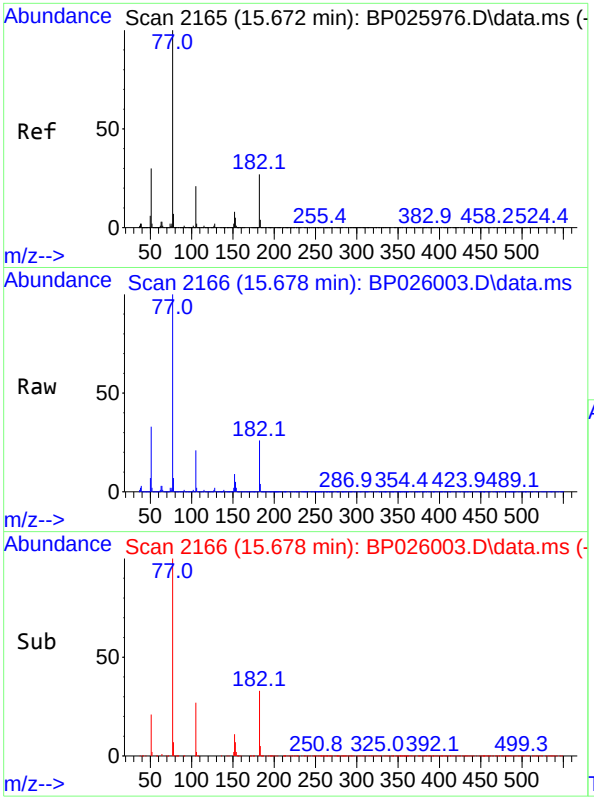


#62
4-Nitroaniline
Concen: 43.893 ng
RT: 15.437 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:138 Resp: 340659

Ion	Ratio	Lower	Upper
138	100		
92	53.8	32.5	72.5
108	88.6	62.7	102.7

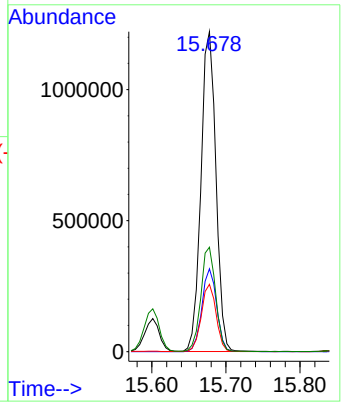




#63
Azobenzene
Concen: 47.851 ng
RT: 15.678 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 77 Resp: 171279

Ion	Ratio	Lower	Upper
77	100		
182	25.9	6.6	46.6
105	21.1	1.3	41.3
51	32.6	10.1	50.1



Instrument :
BNA_P
ClientSampleId :
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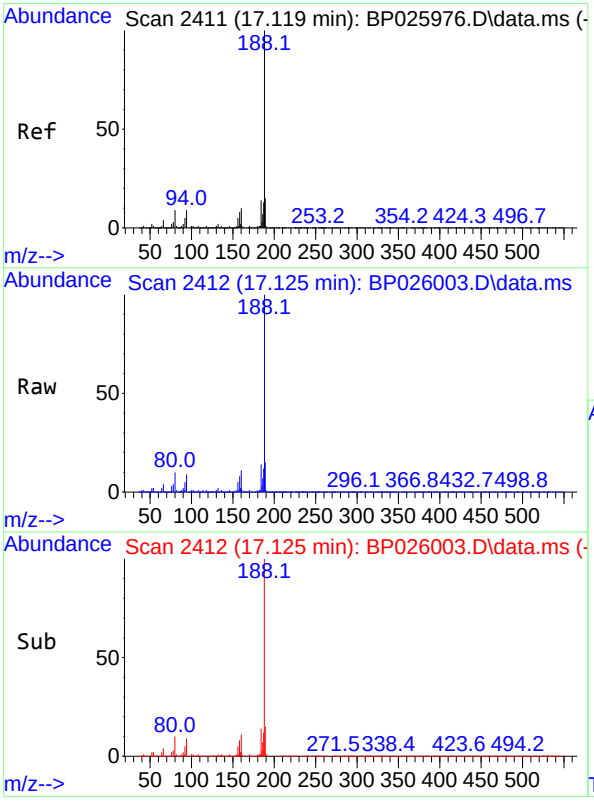
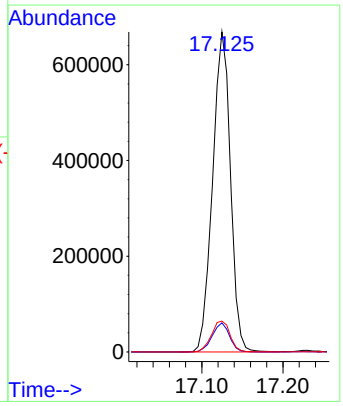
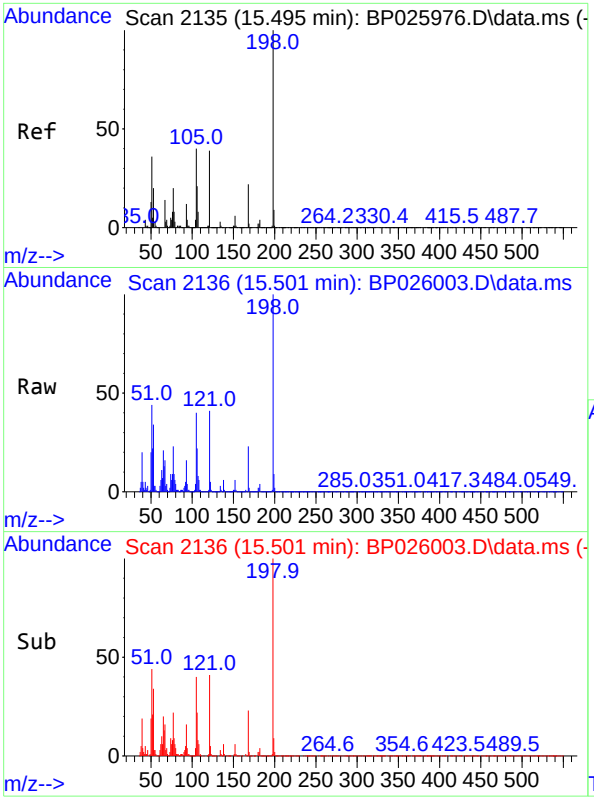


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:188 Resp: 1020674

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.8	10.2
80	9.6	7.2	10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 45.639 ng
RT: 15.501 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:198 Resp: 33667

Ion	Ratio	Lower	Upper
198	100		
51	44.1	22.1	62.1
105	39.8	20.8	60.8

Instrument :
BNA_P
ClientSampleId :
PB170216BS

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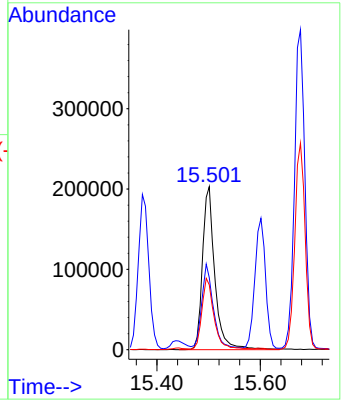
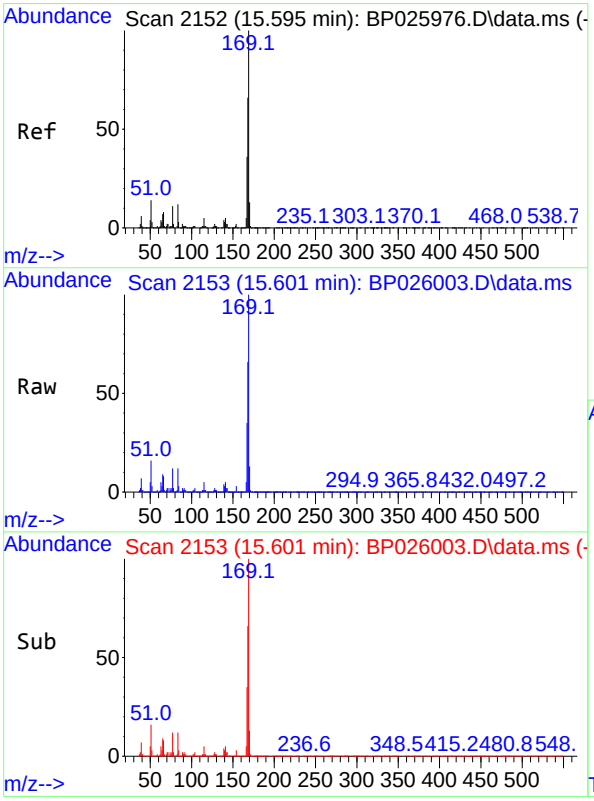
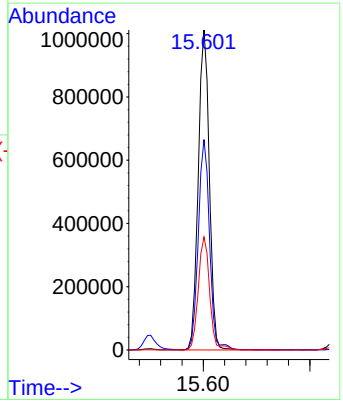


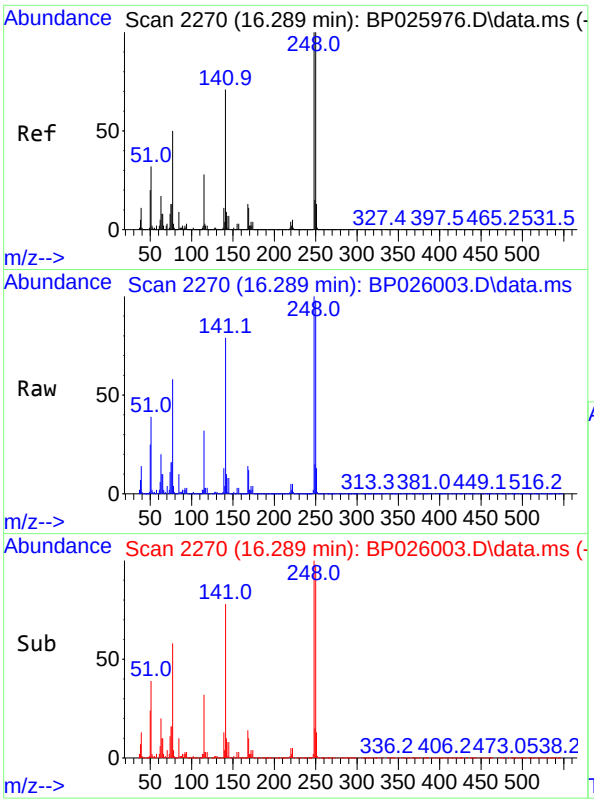


#66
n-Nitrosodiphenylamine
Concen: 44.443 ng
RT: 15.601 min Scan# 2153
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:169 Resp: 1459447

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.2	79.8
167	35.3	28.6	42.8

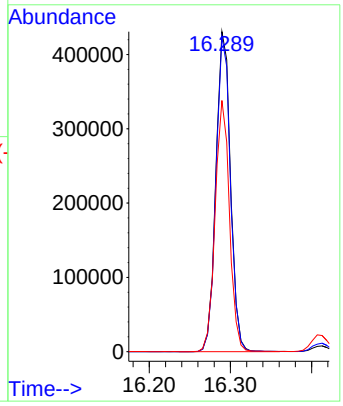




#67
4-Bromophenyl-phenylether
Concen: 42.711 ng
RT: 16.289 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:248 Resp: 53807

Ion	Ratio	Lower	Upper
248	100		
250	98.5	79.8	119.6
141	78.5	57.0	85.4



Instrument :
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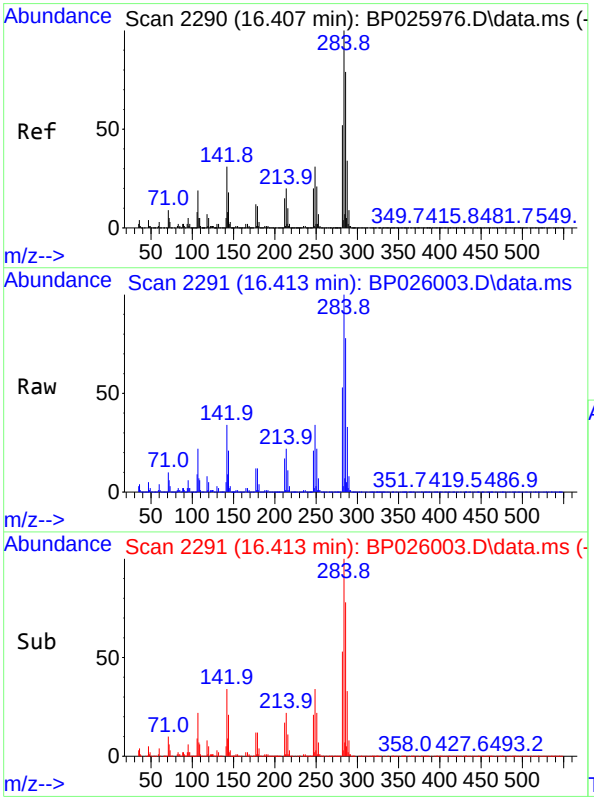
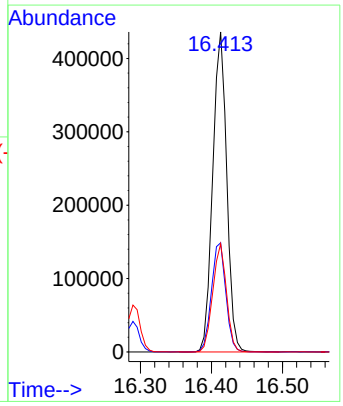
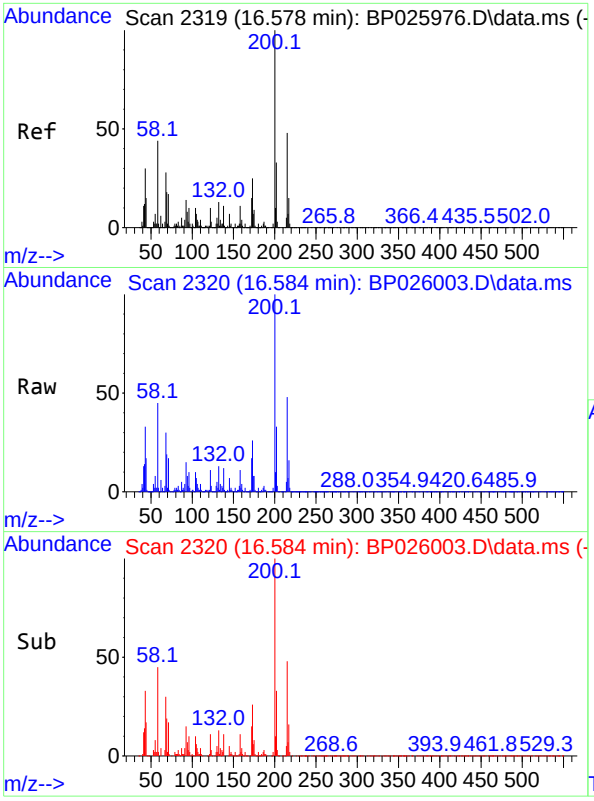


#68
Hexachlorobenzene
Concen: 42.174 ng
RT: 16.413 min Scan# 2291
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:284 Resp: 596047

Ion	Ratio	Lower	Upper
284	100		
142	34.1	24.9	37.3
249	33.8	25.1	37.7

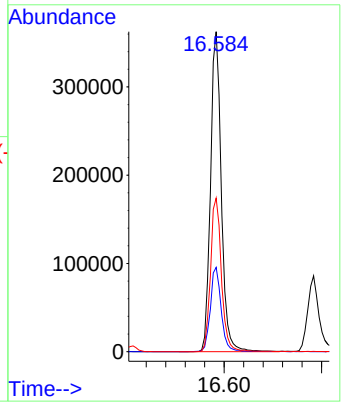




#69
Atrazine
Concen: 46.727 ng
RT: 16.584 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:200 Resp: 55356

Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.3	45.3
215	48.0	28.2	68.2



Instrument :
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ClientSampleId :
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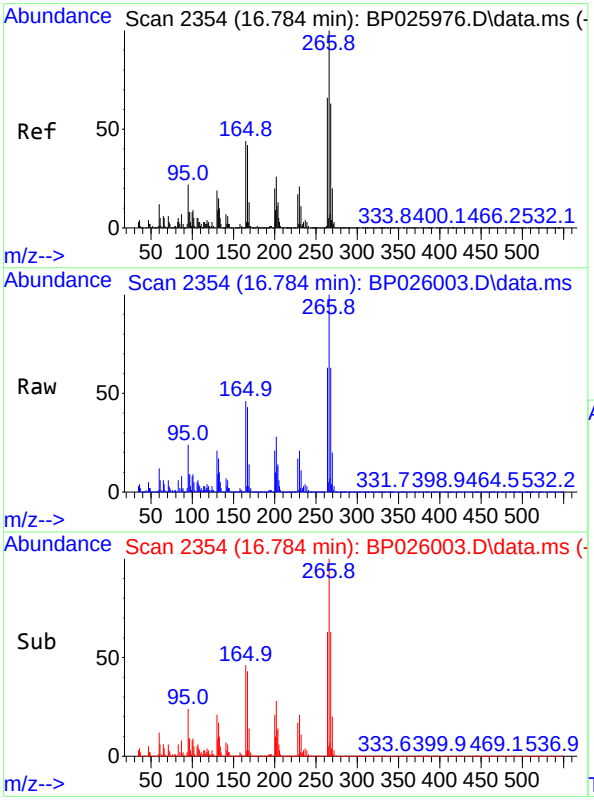
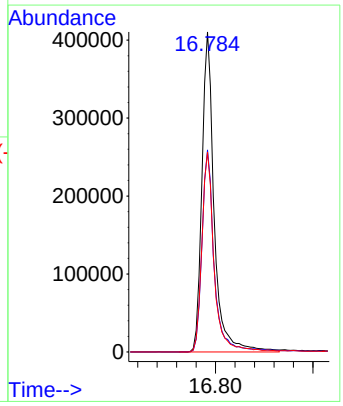
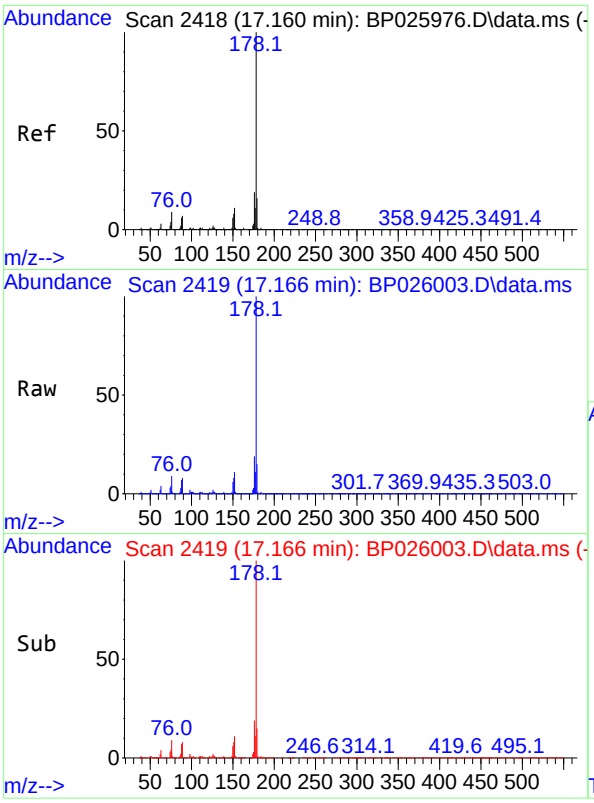


#70
Pentachlorophenol
Concen: 94.073 ng
RT: 16.784 min Scan# 2354
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:266 Resp: 717764

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.5	75.7
264	62.5	52.9	79.3

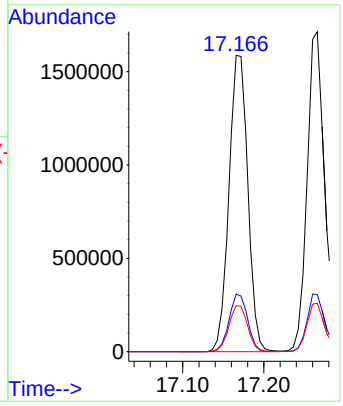




#71
Phenanthrene
Concen: 44.183 ng
RT: 17.166 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:178 Resp: 255594

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	15.5	12.7	19.1



Instrument :
BNA_P
ClientSampleId :
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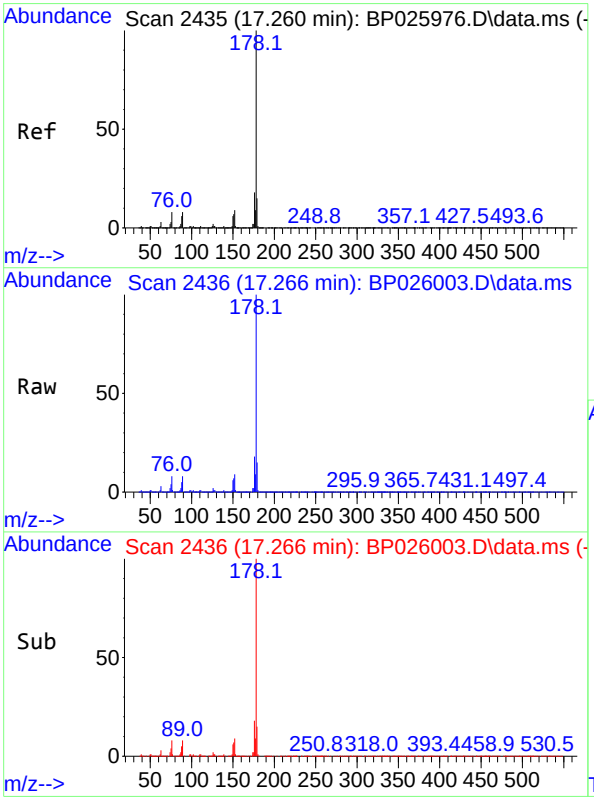
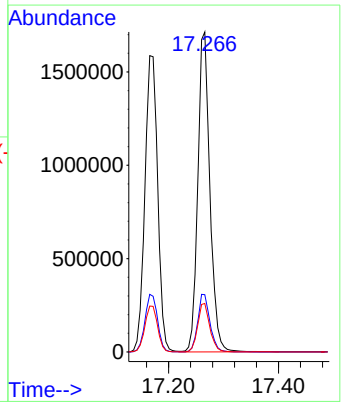
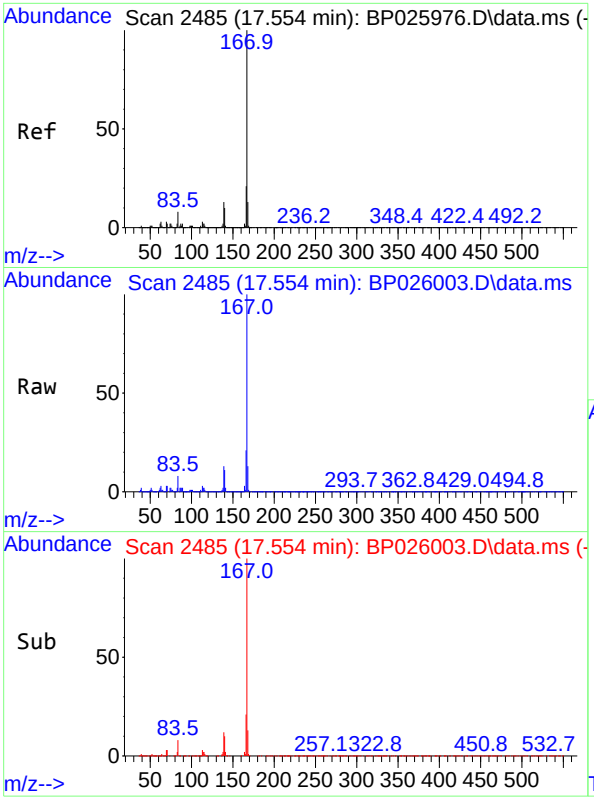


#72
Anthracene
Concen: 44.314 ng
RT: 17.266 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:178 Resp: 2618566

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.8	22.2
179	15.2	12.3	18.5

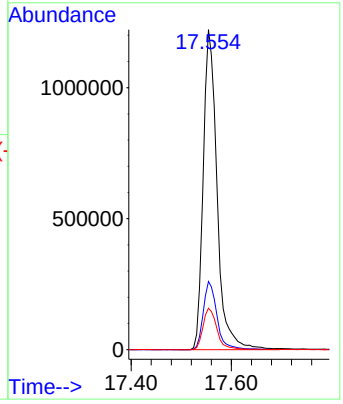




#73
Carbazole
Concen: 45.055 ng
RT: 17.554 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:167 Resp: 234693

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.7	25.1
139	12.9	10.2	15.2



Instrument :
BNA_P
ClientSampleId :
PB170216BS

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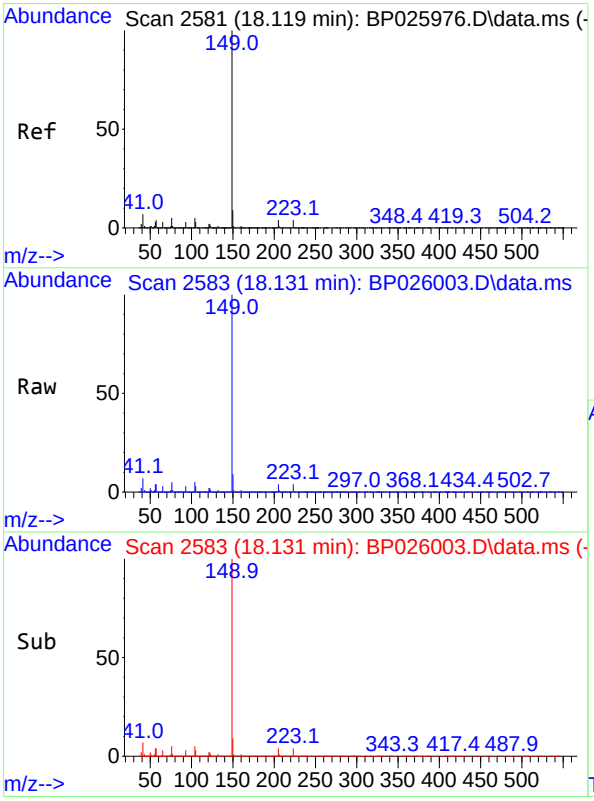
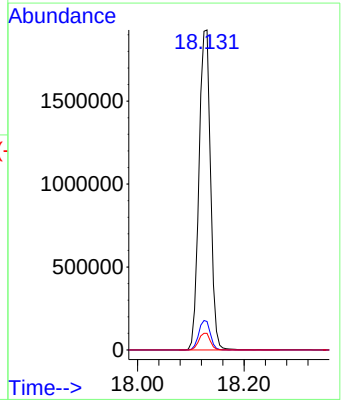
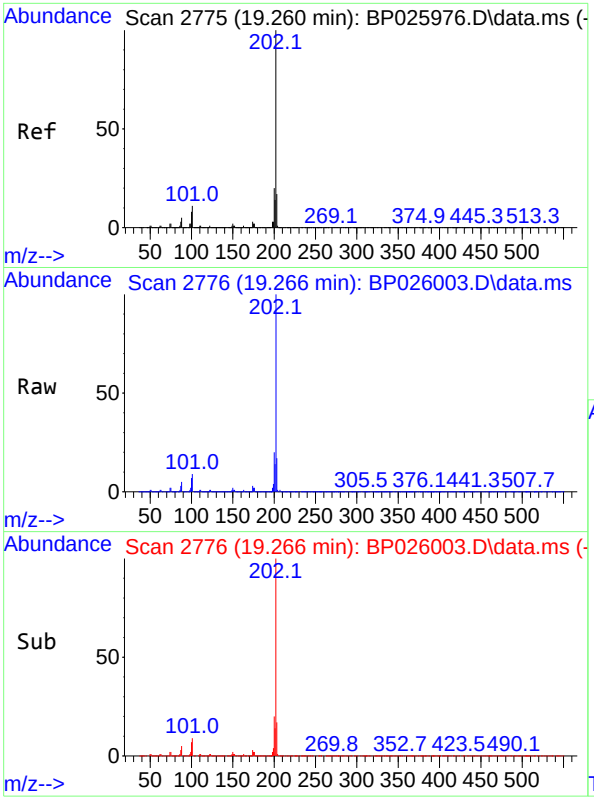


#74
Di-n-butylphthalate
Concen: 45.101 ng
RT: 18.131 min Scan# 2583
Delta R.T. 0.012 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:149 Resp: 2891241

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	5.2	4.1	6.1

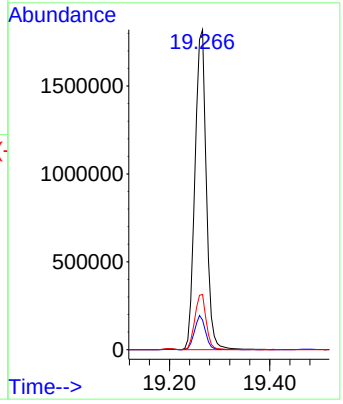




#75
Fluoranthene
Concen: 43.641 ng
RT: 19.266 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:202 Resp: 284769

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	30.5
203	17.3	0.0	37.1



Instrument :
BNA_P
ClientSampleId :
PB170216BS

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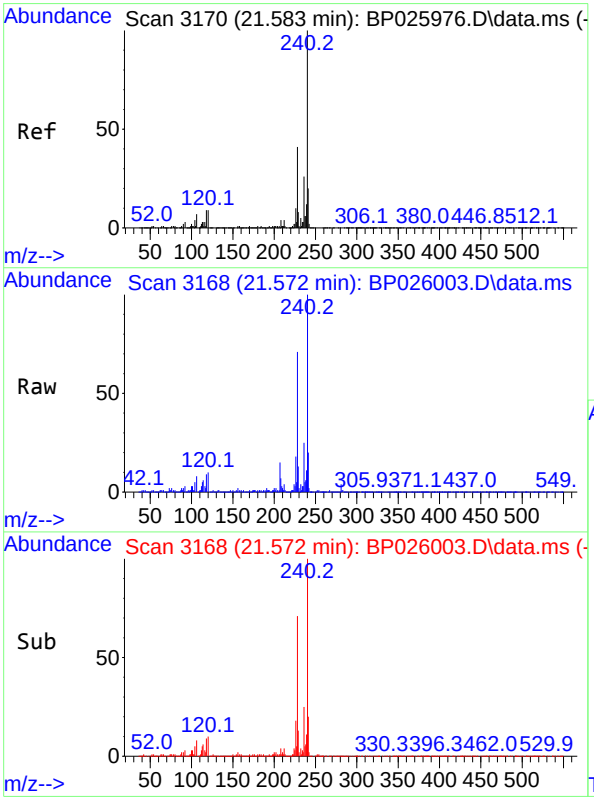
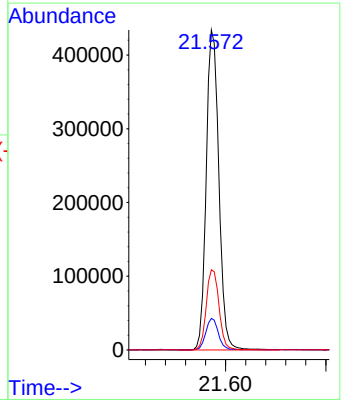
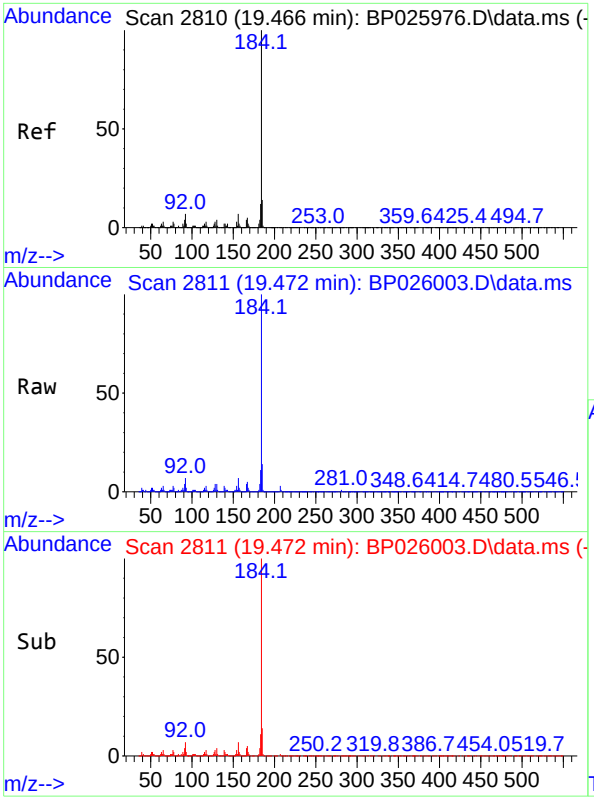


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:240 Resp: 759603

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.4	11.0
236	25.1	20.4	30.6

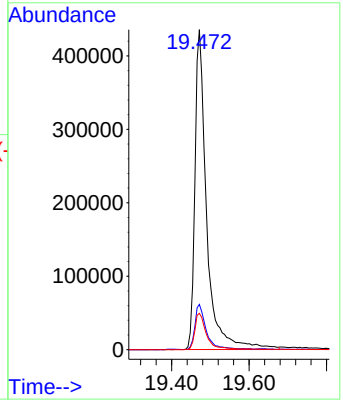




#77
Benzidine
Concen: 37.701 ng
RT: 19.472 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:184 Resp: 91760

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.3	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
PB170216BS

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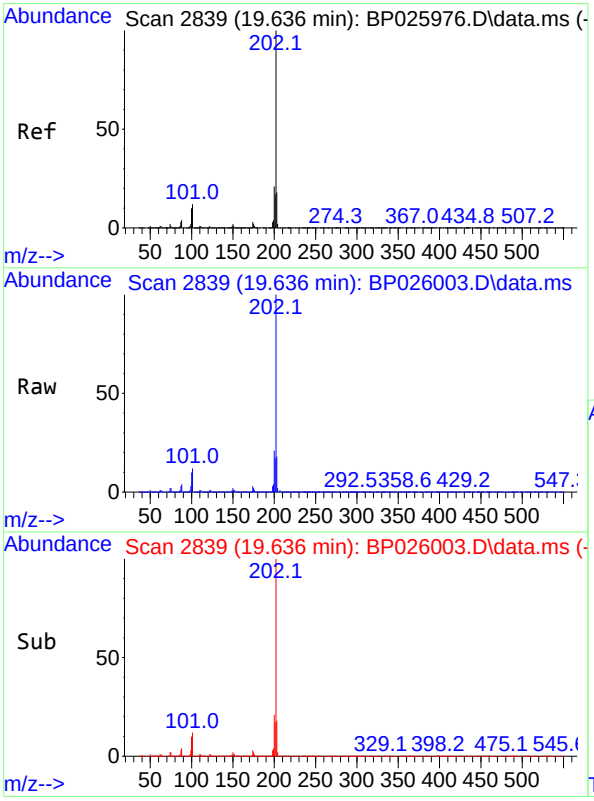
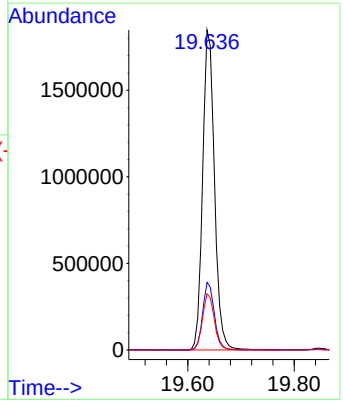
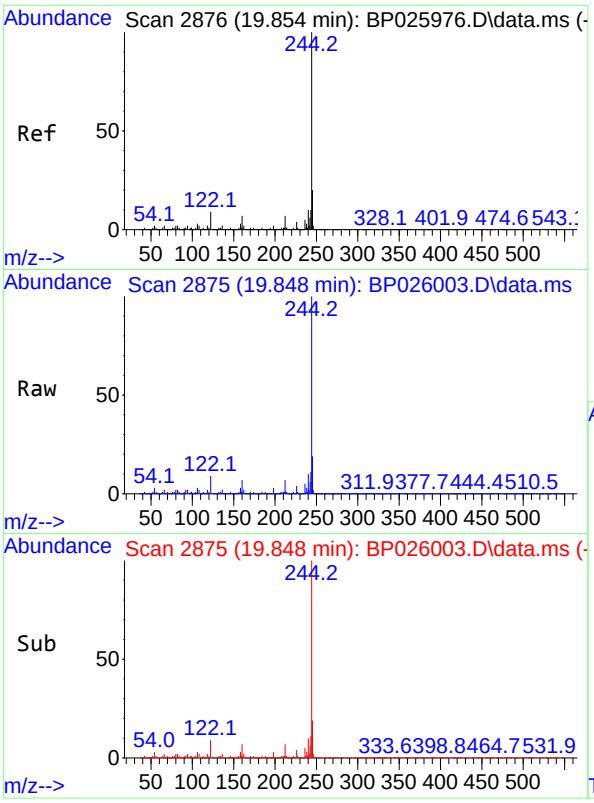


#78
Pyrene
Concen: 50.704 ng
RT: 19.636 min Scan# 2839
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:202 Resp: 2840688

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	17.6	14.1	21.1





#79
Terphenyl-d14
Concen: 83.357 ng
RT: 19.848 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:244 Resp: 396188

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	8.8	7.1	10.7

Instrument :
BNA_P
ClientSampleId :
PB170216BS

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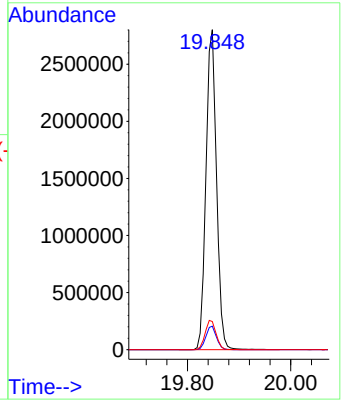
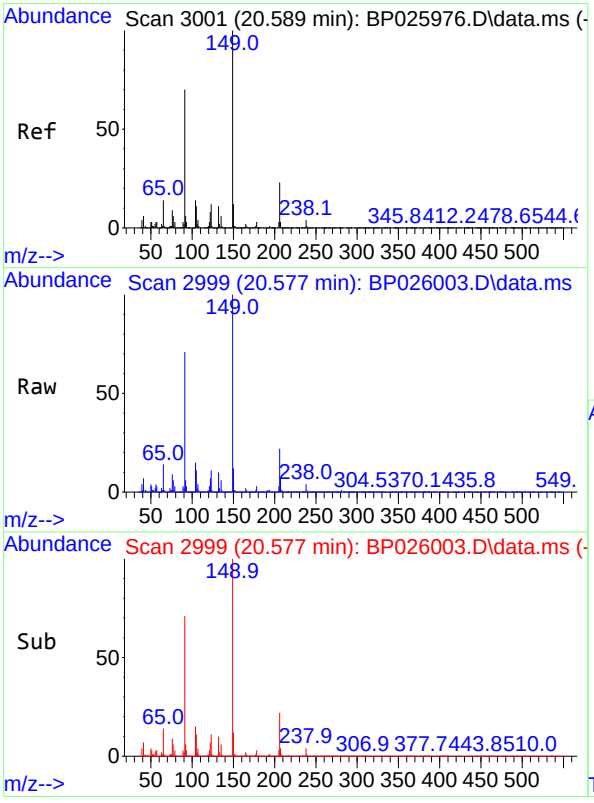
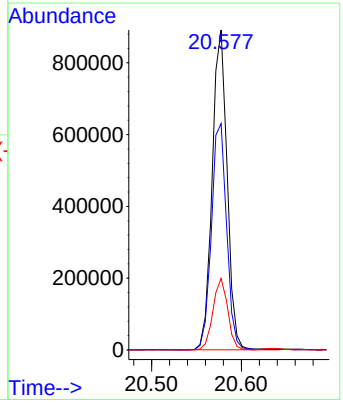


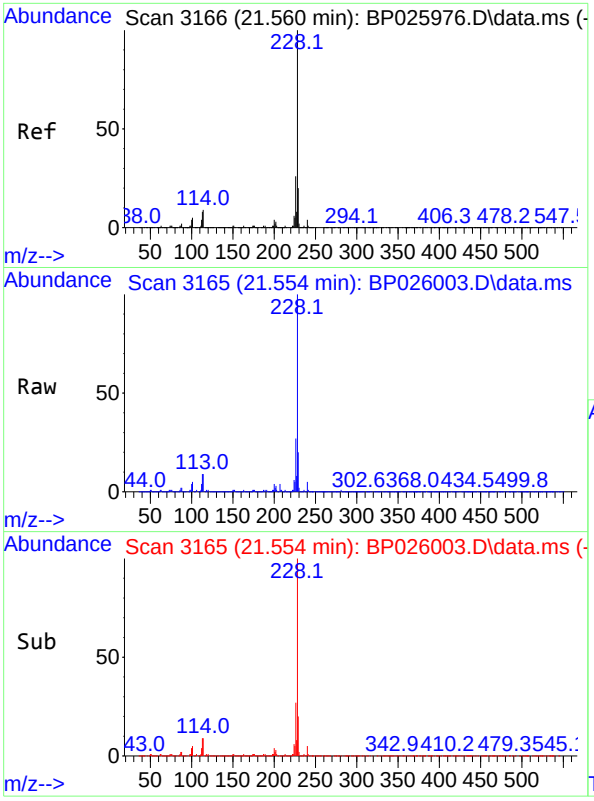


#80
Butylbenzylphthalate
Concen: 46.240 ng
RT: 20.577 min Scan# 2999
Delta R.T. -0.012 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:149 Resp: 1030909

Ion	Ratio	Lower	Upper
149	100		
91	70.8	56.0	84.0
206	22.4	18.6	27.8

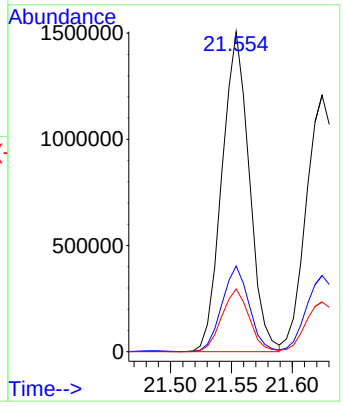




#81
Benzo(a)anthracene
Concen: 45.142 ng
RT: 21.554 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:228 Resp: 234526

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.0	31.6
229	19.6	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
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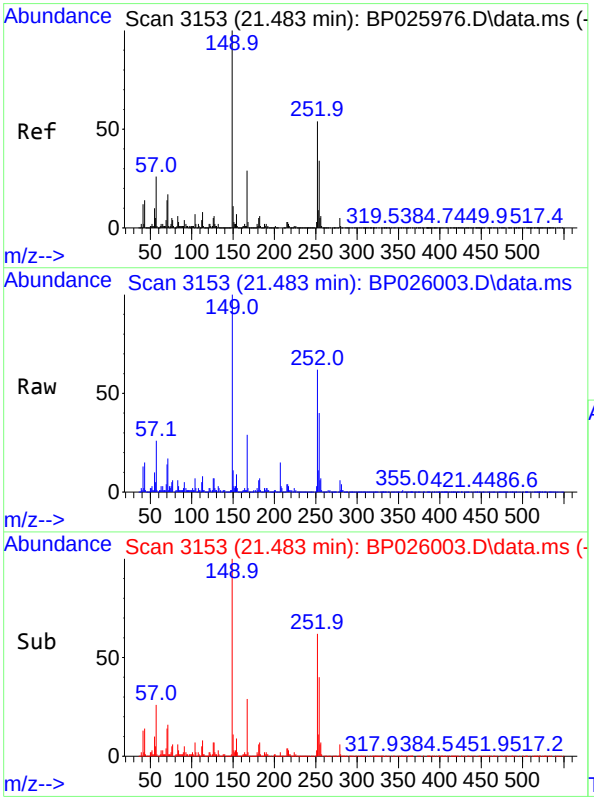
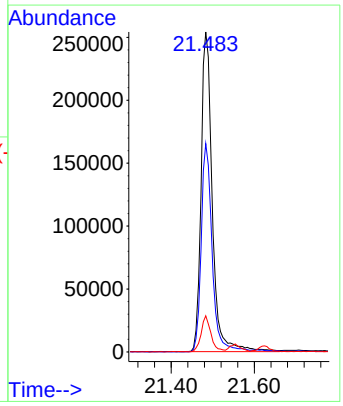
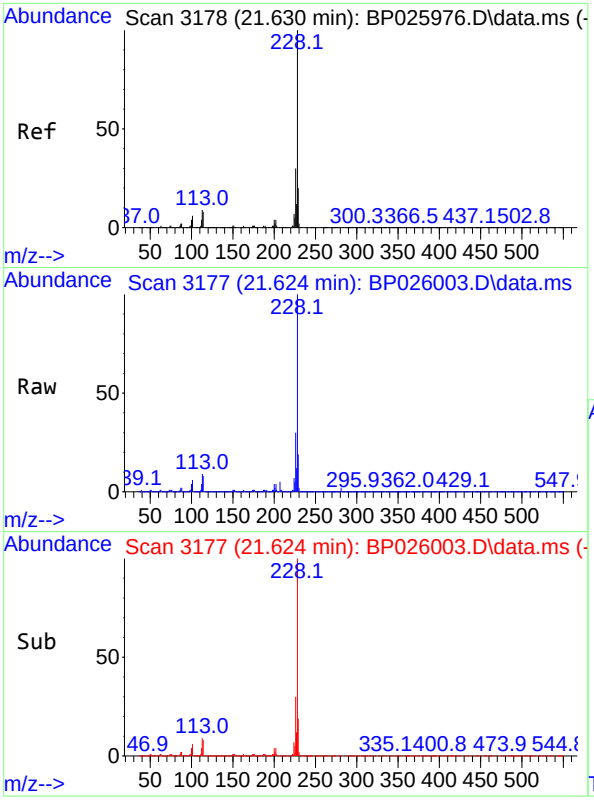


#82
3,3'-Dichlorobenzidine
Concen: 25.740 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:252 Resp: 475891

Ion	Ratio	Lower	Upper
252	100		
254	65.1	50.6	75.8
126	11.3	8.0	12.0





#83
Chrysene
Concen: 44.388 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:228 Resp: 220495

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.5	35.3
229	19.4	15.6	23.4

Instrument :
BNA_P
ClientSampleId :
PB170216BS

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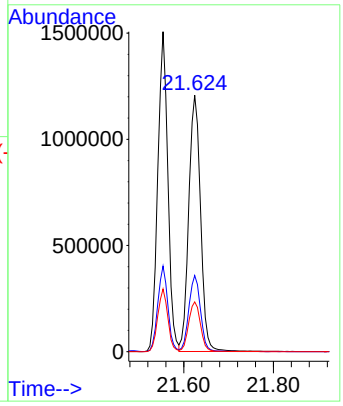
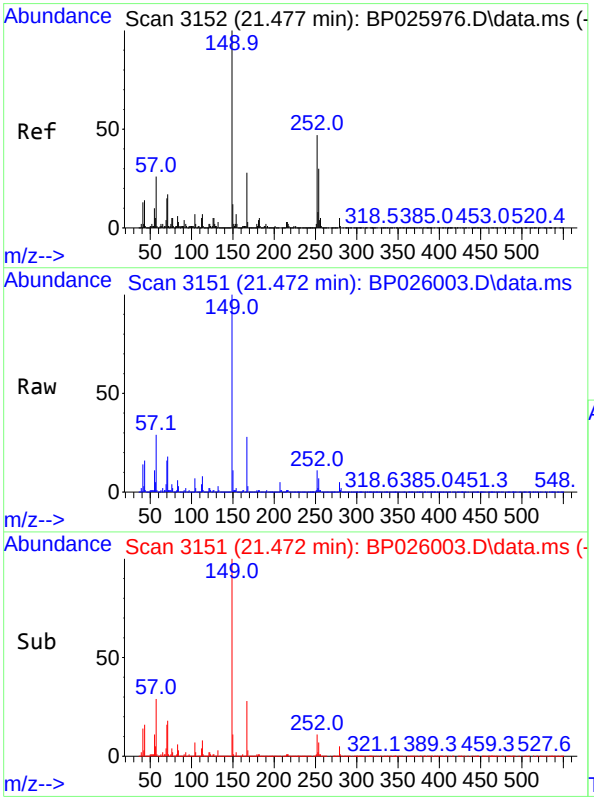
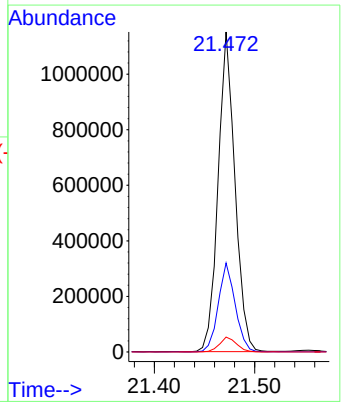


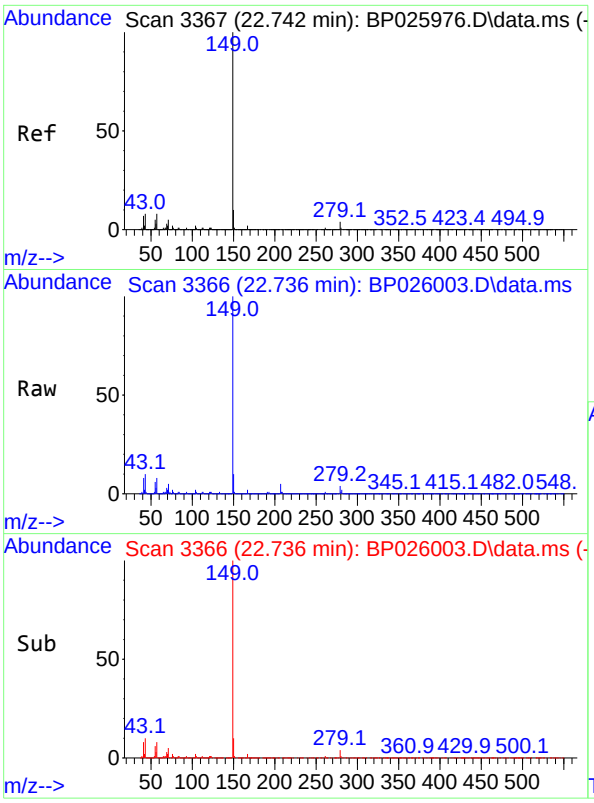


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.521 ng
RT: 21.472 min Scan# 3151
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:149 Resp: 1339534

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.8	34.2
279	4.6	3.8	5.8





#85
Di-n-octyl phthalate
Concen: 42.148 ng
RT: 22.736 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:149 Resp: 221505

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.0	7.2	10.8

Instrument :
BNA_P
ClientSampleId :
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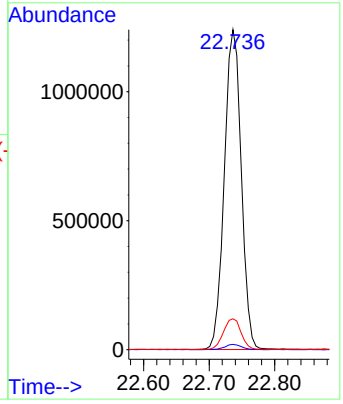
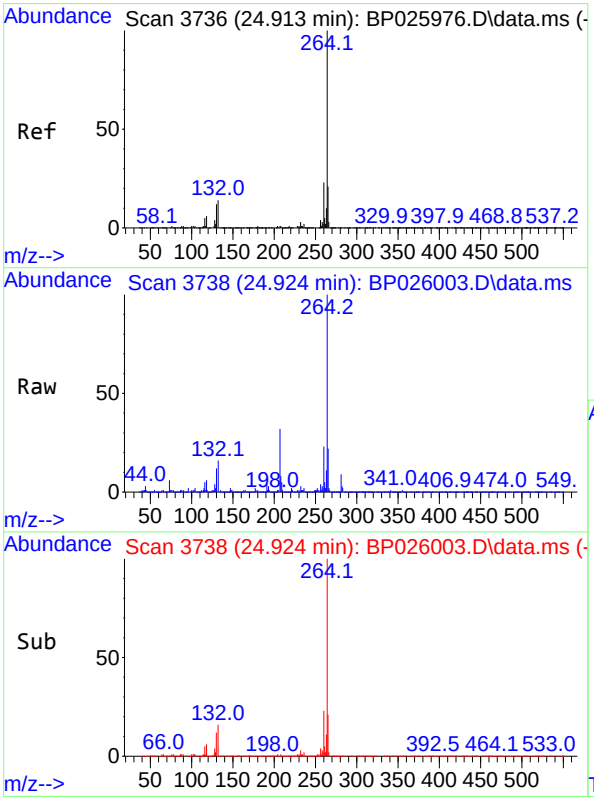
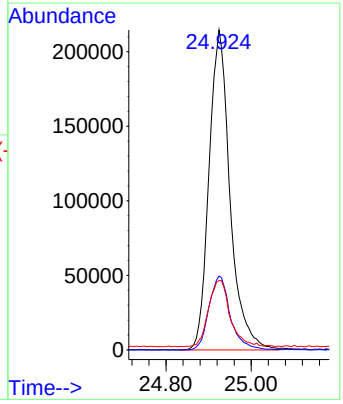


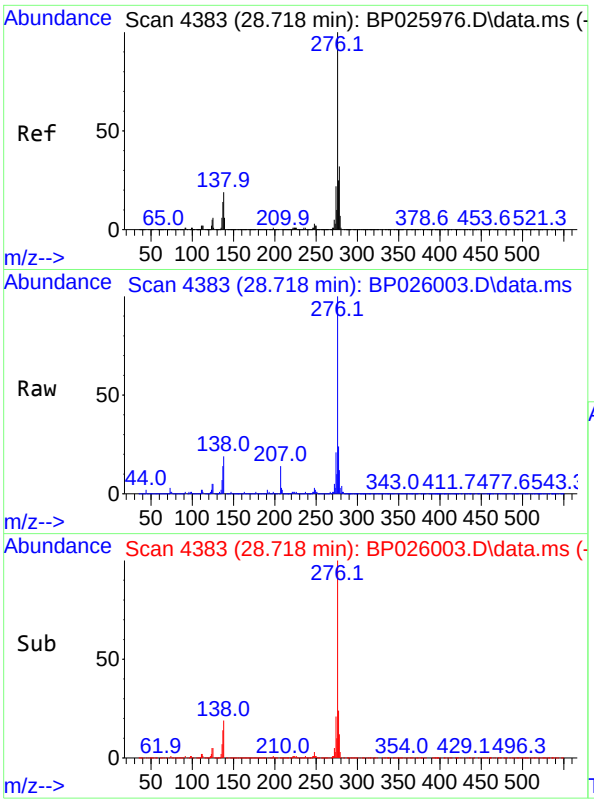


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.924 min Scan# 3738
Delta R.T. 0.012 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:264 Resp: 736047

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	21.7	17.7	26.5

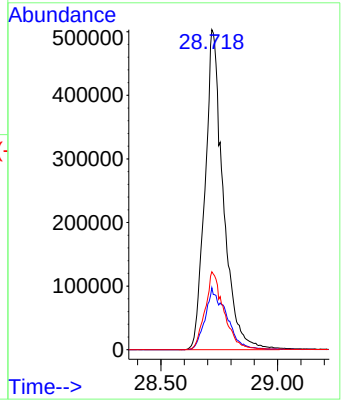




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.163 ng
RT: 28.718 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:276 Resp: 272583

Ion	Ratio	Lower	Upper
276	100		
138	22.5	17.4	26.0
277	25.2	20.3	30.5



Instrument :
BNA_P
ClientSampleId :
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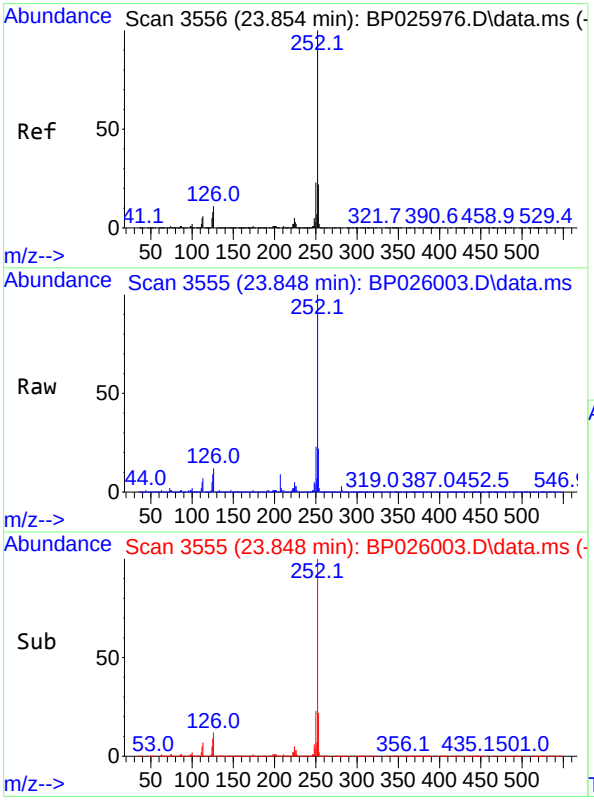
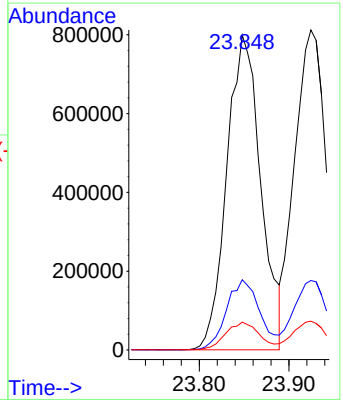
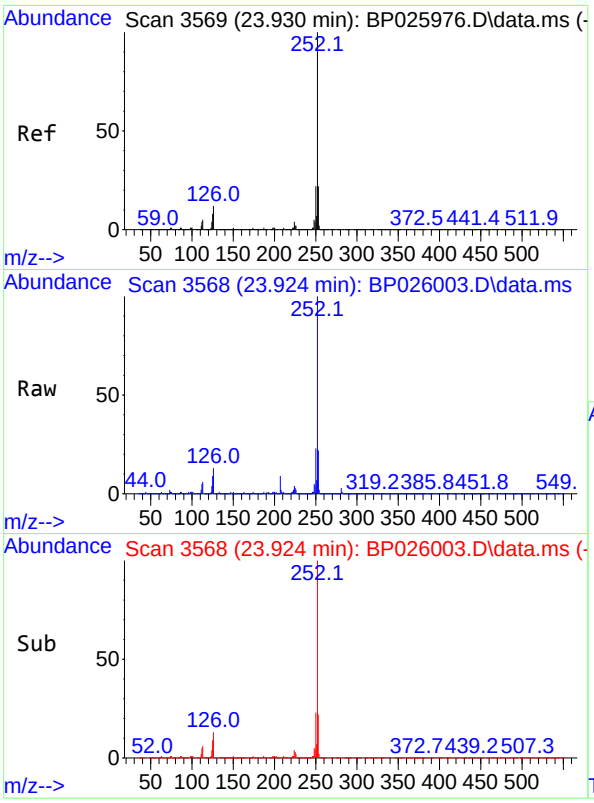


#88
Benzo(b)fluoranthene
Concen: 45.914 ng
RT: 23.848 min Scan# 3555
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:252 Resp: 2104717

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	8.8	6.8	10.2

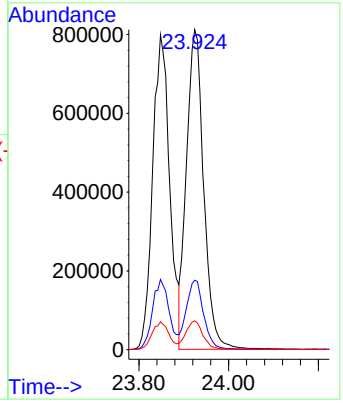




#89
Benzo(k)fluoranthene
Concen: 46.462 ng
RT: 23.924 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:252 Resp: 216152

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	9.0	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
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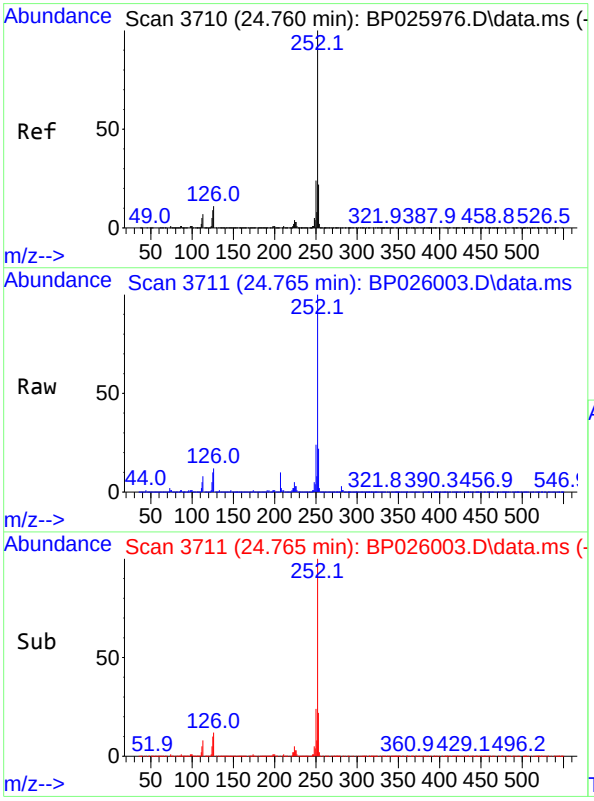
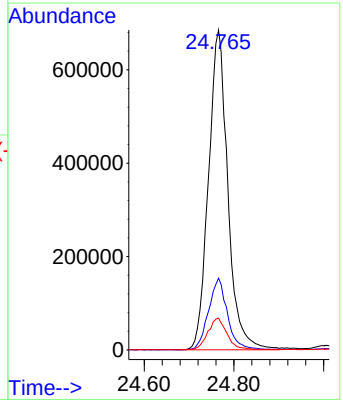
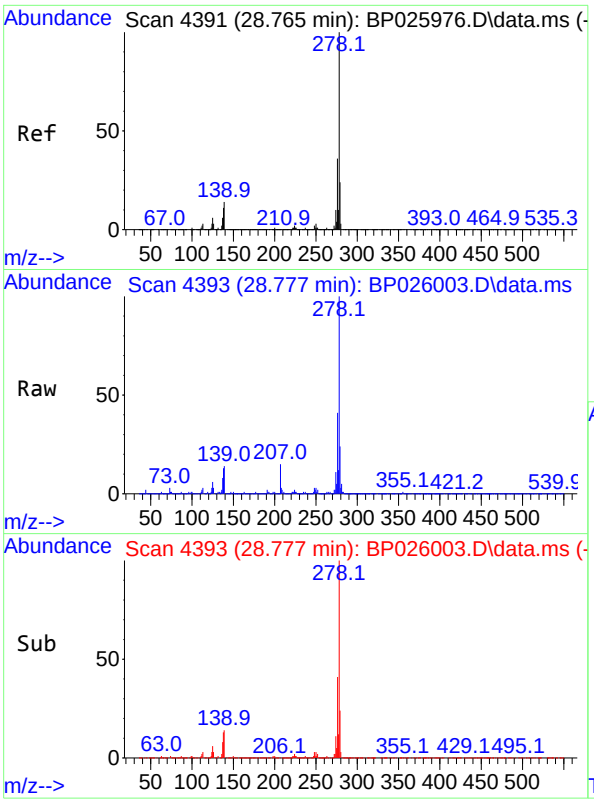


#90
Benzo(a)pyrene
Concen: 46.025 ng
RT: 24.765 min Scan# 3711
Delta R.T. 0.006 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:252 Resp: 2049961

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.0	7.4	11.2

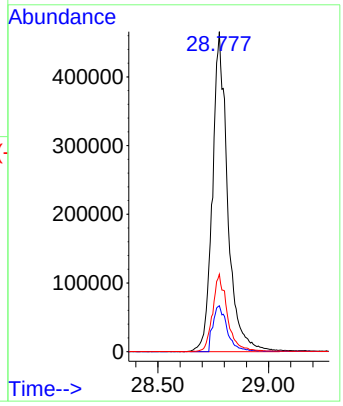




#91
Dibenzo(a,h)anthracene
Concen: 49.251 ng
RT: 28.777 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:278 Resp: 222606

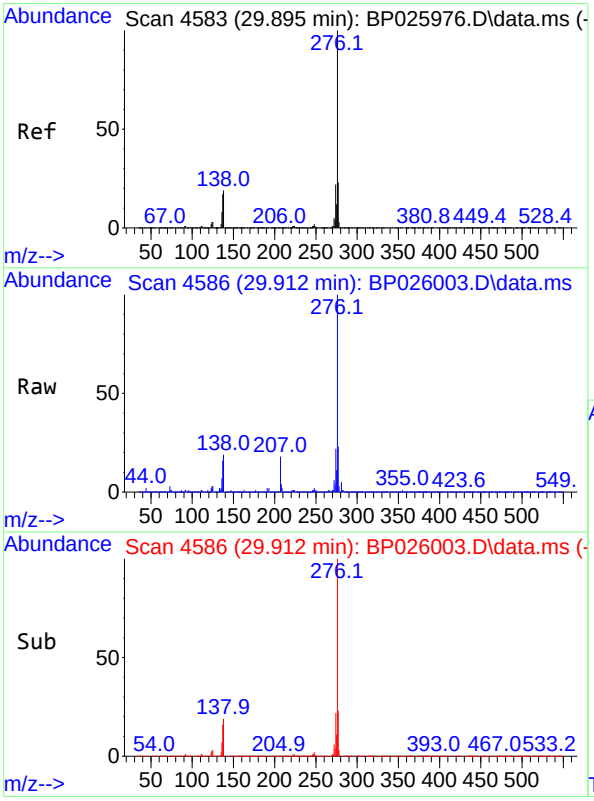
Ion	Ratio	Lower	Upper
278	100		
139	14.4	10.9	16.3
279	24.2	19.5	29.3



Instrument :
BNA_P
ClientSampleId :
PB170216BS

Manual Integrations
APPROVED

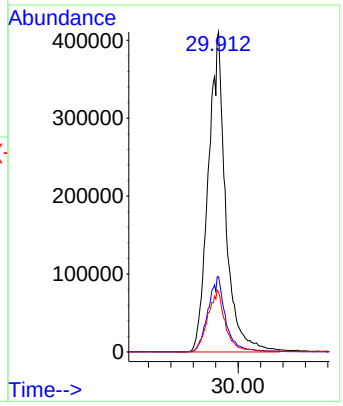
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#92
Benzo(g,h,i)perylene
Concen: 49.824 ng
RT: 29.912 min Scan# 4586
Delta R.T. 0.018 min
Lab File: BP026003.D
Acq: 22 Oct 2025 17:55

Tgt Ion:276 Resp: 2206446

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	18.7	15.5	23.3



Raw Data: **BP026006.D**

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

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/16/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/16/25
Client Sample ID:	OUTSIDE-DUMPSTERMS	SDG No.:	Q3399
Lab Sample ID:	Q3368-06MS	Matrix:	TCLP
Analytical Method:	8270E Level : LOW	% Solid:	0
Sample Wt/Vol:	100 mL Final Vol: 1000 uL	Test:	TCLP BNA
Prep Method :	Prep Date: 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	370		1	12.8	50.0	ug/L	10/22/25 19:58	PB170216
106-46-7	1,4-Dichlorobenzene	400		1	5.30	50.0	ug/L	10/22/25 19:58	PB170216
95-48-7	2-Methylphenol	530		1	11.2	50.0	ug/L	10/22/25 19:58	PB170216
65794-96-9	3+4-Methylphenols	520		1	11.0	100	ug/L	10/22/25 19:58	PB170216
67-72-1	Hexachloroethane	390		1	6.50	50.0	ug/L	10/22/25 19:58	PB170216
98-95-3	Nitrobenzene	470		1	7.60	50.0	ug/L	10/22/25 19:58	PB170216
87-68-3	Hexachlorobutadiene	410		1	5.40	50.0	ug/L	10/22/25 19:58	PB170216
88-06-2	2,4,6-Trichlorophenol	510		1	5.10	50.0	ug/L	10/22/25 19:58	PB170216
95-95-4	2,4,5-Trichlorophenol	530		1	6.20	50.0	ug/L	10/22/25 19:58	PB170216
121-14-2	2,4-Dinitrotoluene	530		1	12.2	50.0	ug/L	10/22/25 19:58	PB170216
118-74-1	Hexachlorobenzene	460		1	5.20	50.0	ug/L	10/22/25 19:58	PB170216
87-86-5	Pentachlorophenol	1100	E	1	15.8	100	ug/L	10/22/25 19:58	PB170216
SURROGATES									
367-12-4	2-Fluorophenol	148			23 - 138	99%	SPK: 150		
13127-88-3	Phenol-d6	141			10 - 134	94%	SPK: 150		
4165-60-0	Nitrobenzene-d5	85.5			67 - 132	85%	SPK: 100		
321-60-8	2-Fluorobiphenyl	74.5			52 - 132	75%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	140			44 - 137	94%	SPK: 150		
1718-51-0	Terphenyl-d14	72.8			42 - 152	73%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	152000							
1146-65-2	Naphthalene-d8	670000							
15067-26-2	Acenaphthene-d10	497000							
1517-22-2	Phenanthrene-d10	1000000							
1719-03-5	Chrysene-d12	717000							
1520-96-3	Perylene-d12	679000							

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\BP102225\
Data File : BP026006.D
Acq On : 22 Oct 2025 19:58
Operator : RC/JU
Sample : Q3368-06MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Quant Time: Oct 23 10:39:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.696	152	151873	20.000	ng		0.00
21) Naphthalene-d8	10.454	136	669626	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	496531	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1001023	20.000	ng		0.00
76) Chrysene-d12	21.577	240	716871	20.000	ng		0.00
86) Perylene-d12	24.912	264	678648	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.337	112	1369665	147.861	ng		0.00
7) Phenol-d6	6.907	99	1822393	140.975	ng		0.00
23) Nitrobenzene-d5	8.843	82	1273300	85.469	ng		0.00
42) 2,4,6-Tribromophenol	15.854	330	938808	140.446	ng		0.01
45) 2-Fluorobiphenyl	12.925	172	2886252	74.505	ng		0.00
79) Terphenyl-d14	19.848	244	3266712	72.828	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.261	88	132538	36.121	ng		94
3) Pyridine	3.667	79	379110	37.026	ng		94
4) n-Nitrosodimethylamine	3.567	42	207883	46.327	ng		89
6) Aniline	7.043	93	274217	15.845	ng		97
8) 2-Chlorophenol	7.278	128	529638	49.337	ng		96
9) Benzaldehyde	6.866	77	142915	20.718	ng		97
10) Phenol	6.931	94	663942	50.870	ng		97
11) bis(2-Chloroethyl)ether	7.131	93	475740	44.703	ng		96
12) 1,3-Dichlorobenzene	7.584	146	455943	38.309	ng		99
13) 1,4-Dichlorobenzene	7.731	146	479486	39.541	ng		99
14) 1,2-Dichlorobenzene	8.043	146	468750	39.515	ng		99
15) Benzyl Alcohol	7.949	79	587505	53.395	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.207	45	771196	47.058	ng		98
17) 2-Methylphenol	8.160	107	491363	52.523	ng		98
18) Hexachloroethane	8.754	117	179856	38.867	ng		99
19) n-Nitroso-di-n-propyla...	8.496	70	444536	48.238	ng		96
20) 3+4-Methylphenols	8.490	107	678604	52.060	ng		94
22) Acetophenone	8.513	105	900655	49.474	ng	#	95
24) Nitrobenzene	8.890	77	625268	47.196	ng		98
25) Isophorone	9.413	82	1300605	48.608	ng		99
26) 2-Nitrophenol	9.596	139	300426	46.825	ng		96
27) 2,4-Dimethylphenol	9.666	122	583385	53.658	ng		98
28) bis(2-Chloroethoxy)met...	9.878	93	764417	48.838	ng		99
29) 2,4-Dichlorophenol	10.154	162	590650	54.522	ng		99
30) 1,2,4-Trichlorobenzene	10.325	180	524567	42.771	ng		98
31) Naphthalene	10.507	128	1591744	44.065	ng		99
32) Benzoic acid	9.907	122	472517	59.976	ng		93
33) 4-Chloroaniline	10.666	127	135619	8.841	ng		99
34) Hexachlorobutadiene	10.784	225	329473	40.592	ng		98
35) Caprolactam	11.472	113	182582	47.361	ng		88
36) 4-Chloro-3-methylphenol	11.790	107	732091	57.561	ng		95
37) 2-Methylnaphthalene	12.125	142	1141734	48.275	ng		98
38) 1-Methylnaphthalene	12.343	142	1195179	47.910	ng		100
40) 1,2,4,5-Tetrachloroben...	12.495	216	762032	47.131	ng		99
41) Hexachlorocyclopentadiene	12.466	237	675680	71.513	ng		99
43) 2,4,6-Trichlorophenol	12.754	196	522770	50.939	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026006.D
Acq On : 22 Oct 2025 19:58
Operator : RC/JU
Sample : Q3368-06MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Quant Time: Oct 23 10:39:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

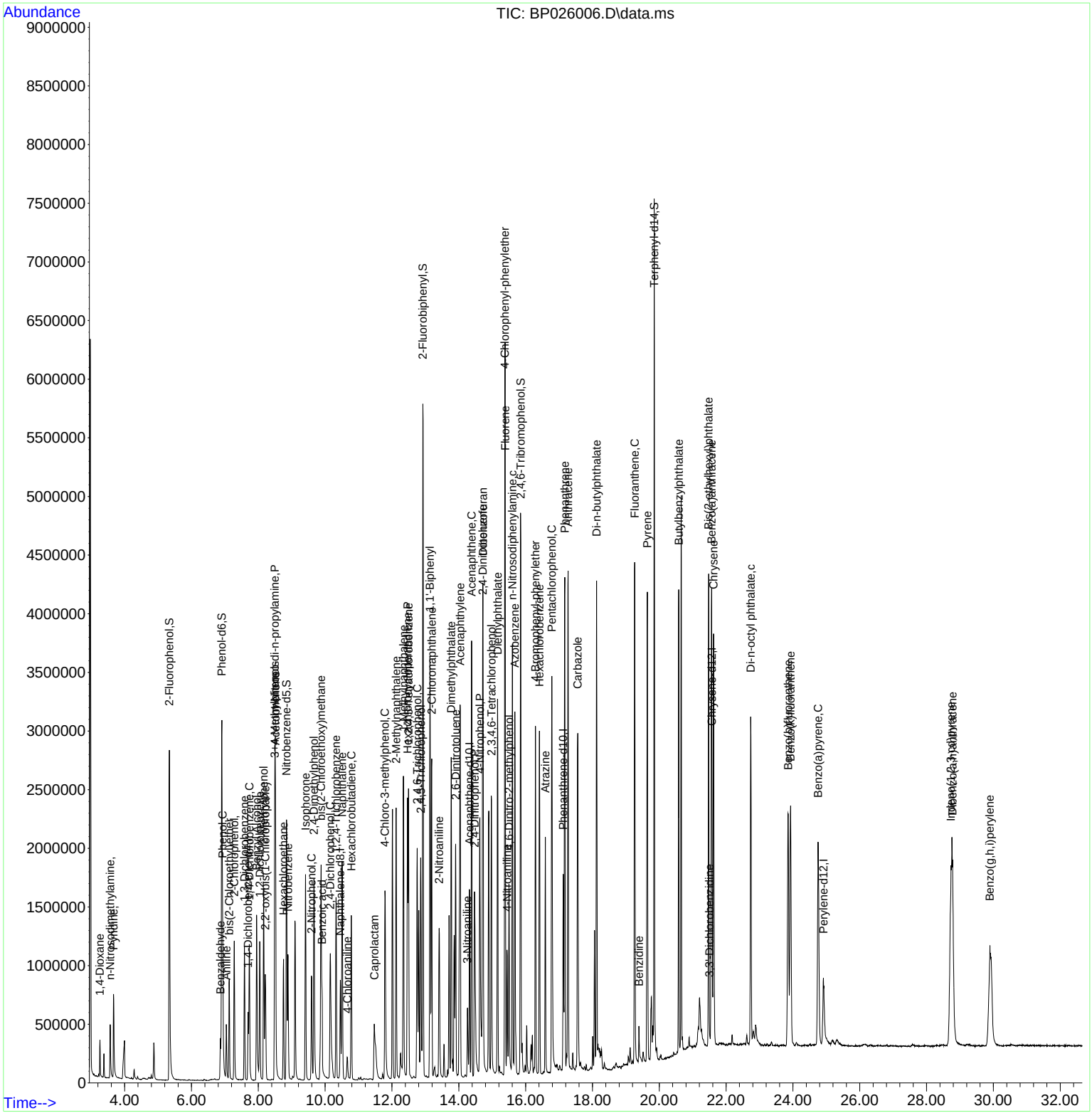
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.860	196	593774	53.133	ng		96
46)	1,1'-Biphenyl	13.137	154	1910085	50.926	ng		99
47)	2-Chloronaphthalene	13.190	162	1349007	45.999	ng		99
48)	2-Nitroaniline	13.413	65	482490	52.787	ng		98
49)	Acenaphthylene	14.042	152	2288009	48.251	ng		100
50)	Dimethylphthalate	13.772	163	1897104	50.548	ng		100
51)	2,6-Dinitrotoluene	13.907	165	417854	51.566	ng		93
52)	Acenaphthene	14.384	154	1293059	47.223	ng		100
53)	3-Nitroaniline	14.260	138	174760	21.653	ng		99
54)	2,4-Dinitrophenol	14.472	184	553637	99.141	ng		95
55)	Dibenzofuran	14.725	168	2115851	48.257	ng		97
56)	4-Nitrophenol	14.631	139	441953	90.293	ng		87
57)	2,4-Dinitrotoluene	14.713	165	581412	52.953	ng		95
58)	Fluorene	15.389	166	1729548	49.092	ng		99
59)	2,3,4,6-Tetrachlorophenol	14.978	232	521900	52.046	ng		99
60)	Diethylphthalate	15.160	149	1935931	52.316	ng		98
61)	4-Chlorophenyl-phenyle...	15.378	204	891830	48.139	ng		98
62)	4-Nitroaniline	15.448	138	299394	40.033	ng		97
63)	Azobenzene	15.678	77	1832052	53.116	ng		98
65)	4,6-Dinitro-2-methylph...	15.507	198	365062	50.459	ng		96
66)	n-Nitrosodiphenylamine	15.607	169	1468139	45.585	ng		99
67)	4-Bromophenyl-phenylether	16.295	248	575262	46.559	ng		97
68)	Hexachlorobenzene	16.413	284	642258	46.336	ng		97
69)	Atrazine	16.589	200	356138	30.652	ng		98
70)	Pentachlorophenol	16.783	266	791961	105.835	ng		99
71)	Phenanthrene	17.172	178	2756475	48.585	ng		99
72)	Anthracene	17.272	178	2760620	47.635	ng		100
73)	Carbazole	17.560	167	2338369	45.771	ng		99
74)	Di-n-butylphthalate	18.125	149	3270329	52.016	ng		99
75)	Fluoranthene	19.266	202	2992729	46.764	ng		99
77)	Benzidine	19.395	184	161	0.007	ng	#	1
78)	Pyrene	19.642	202	3062999	57.931	ng		99
80)	Butylbenzylphthalate	20.583	149	1116023	53.041	ng		99
81)	Benzo(a)anthracene	21.566	228	2419424	49.346	ng		100
82)	3,3'-Dichlorobenzidine	21.501	252	53331	3.057	ng		96
83)	Chrysene	21.624	228	2305774	49.184	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.477	149	1542995	53.120	ng		100
85)	Di-n-octyl phthalate	22.736	149	2433968	49.074	ng		98
87)	Indeno(1,2,3-cd)pyrene	28.730	276	2756863	53.928	ng		99
88)	Benzo(b)fluoranthene	23.860	252	2146866	50.794	ng		99
89)	Benzo(k)fluoranthene	23.930	252	2269642	52.912	ng		99
90)	Benzo(a)pyrene	24.754	252	2076204	50.557	ng		100
91)	Dibenzo(a,h)anthracene	28.777	278	2256946	54.158	ng		98
92)	Benzo(g,h,i)perylene	29.895	276	2239246	54.841	ng		98

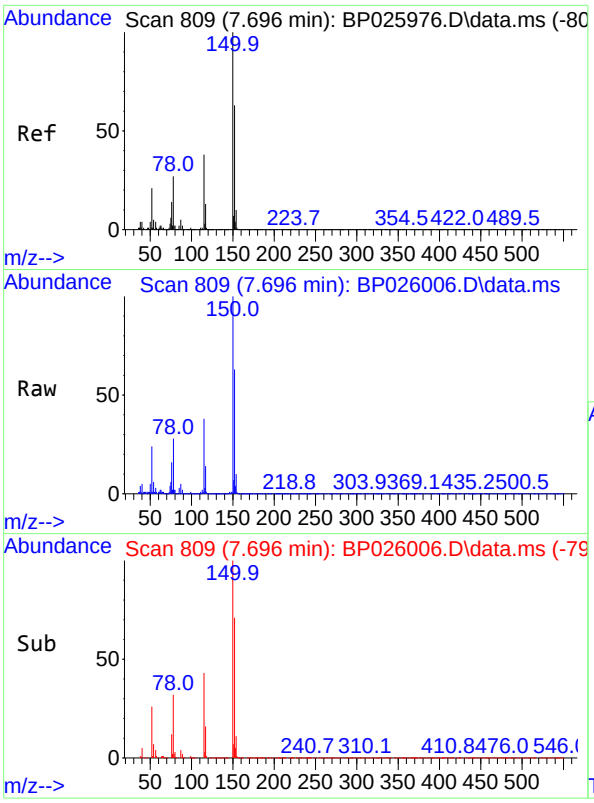
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026006.D
Acq On : 22 Oct 2025 19:58
Operator : RC/JU
Sample : Q3368-06MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Quant Time: Oct 23 10:39:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration



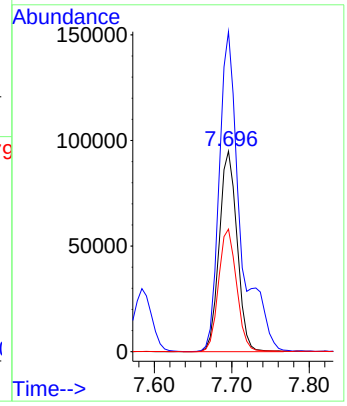


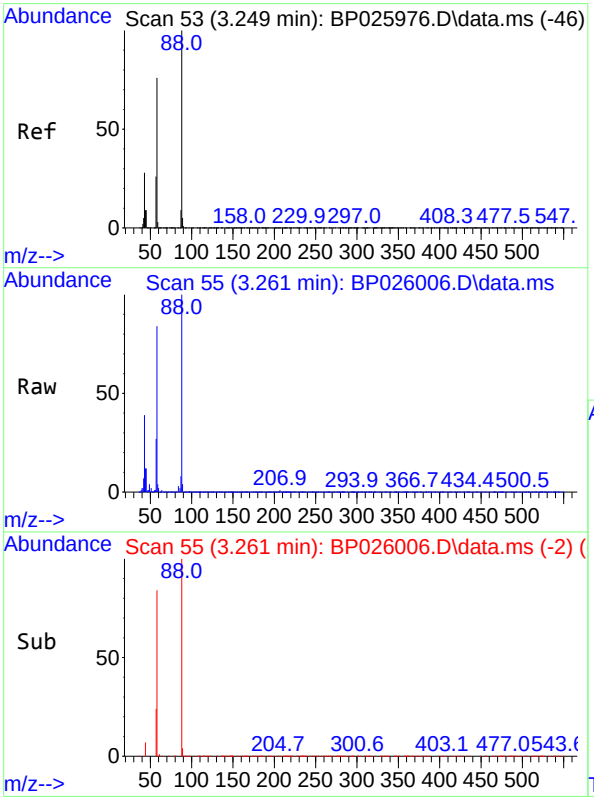
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.696 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:152 Resp: 151873

Ion	Ratio	Lower	Upper
152	100		
150	159.6	127.3	190.9
115	61.1	48.7	73.1

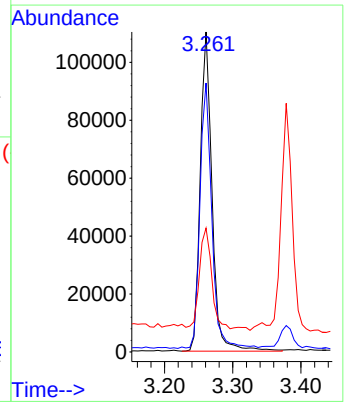


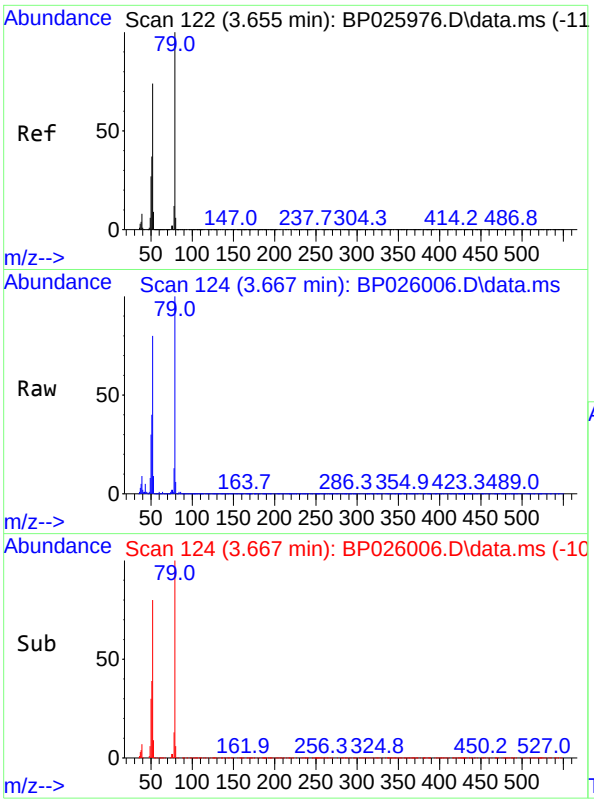


#2
1,4-Dioxane
Concen: 36.121 ng
RT: 3.261 min Scan# 55
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion: 88 Resp: 132538

Ion	Ratio	Lower	Upper
88	100		
58	83.1	61.9	92.9
43	31.3	22.6	33.8



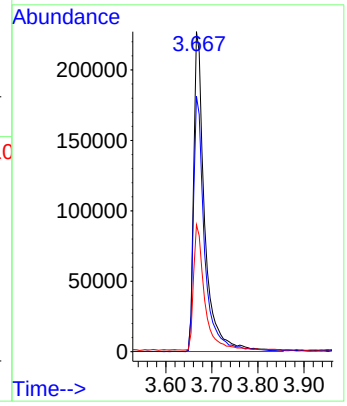


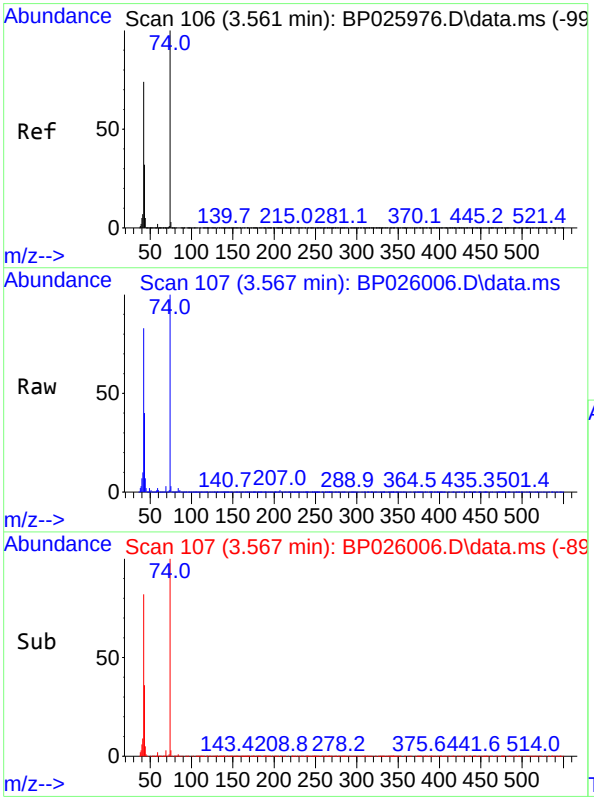
#3
Pyridine
Concen: 37.026 ng
RT: 3.667 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion: 79 Resp: 379110

Ion	Ratio	Lower	Upper
79	100		
52	79.8	59.0	88.4
51	39.6	29.5	44.3

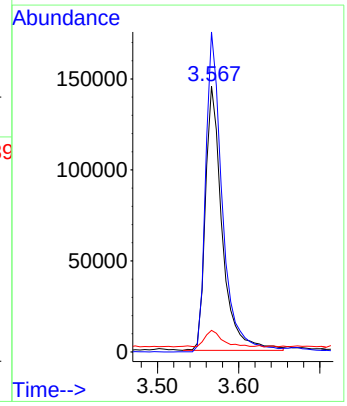


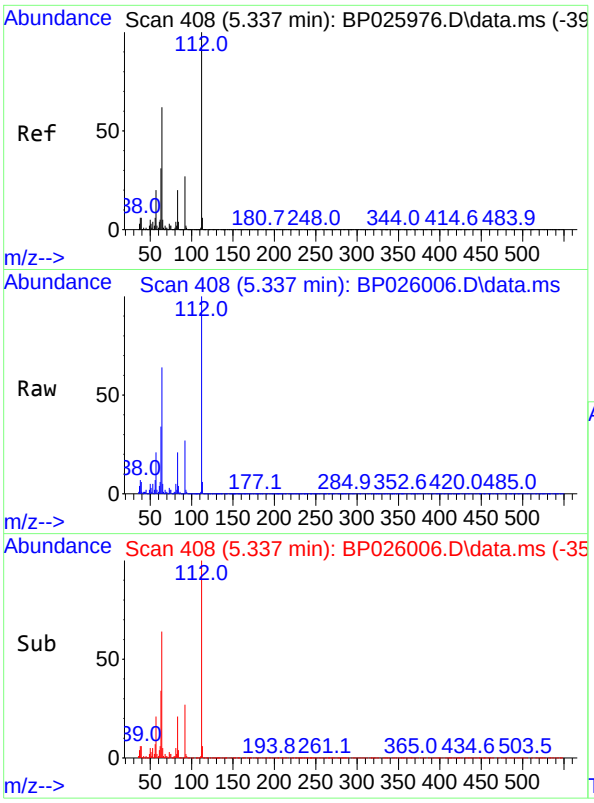


#4
n-Nitrosodimethylamine
Concen: 46.327 ng
RT: 3.567 min Scan# 107
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion: 42 Resp: 207883

Ion	Ratio	Lower	Upper
42	100		
74	120.4	107.4	161.0
44	8.2	6.0	9.0



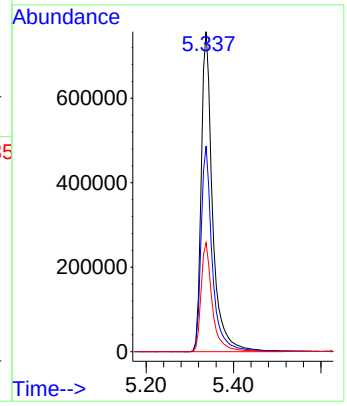


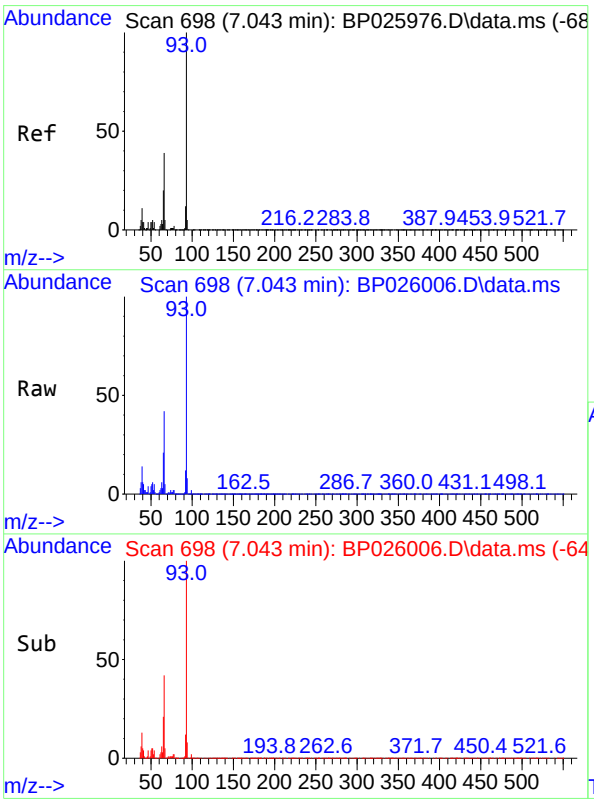
#5
2-Fluorophenol
Concen: 147.861 ng
RT: 5.337 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:112 Resp: 1369665

Ion	Ratio	Lower	Upper
112	100		
64	64.2	49.9	74.9
63	34.1	24.9	37.3

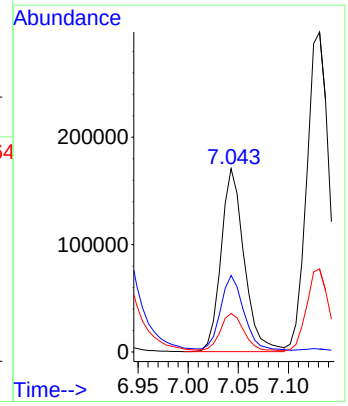


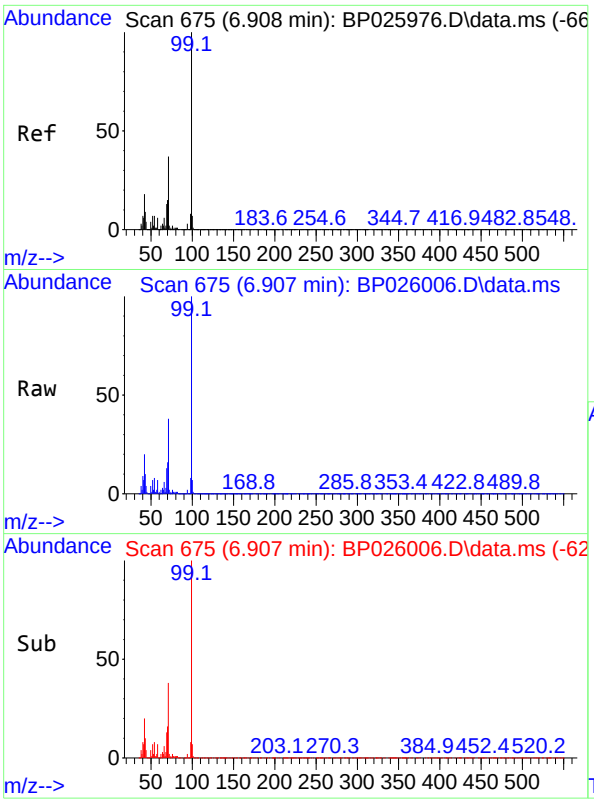


#6
Aniline
Concen: 15.845 ng
RT: 7.043 min Scan# 698
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion: 93 Resp: 274217

Ion	Ratio	Lower	Upper
93	100		
66	41.7	31.8	47.8
65	21.0	16.3	24.5



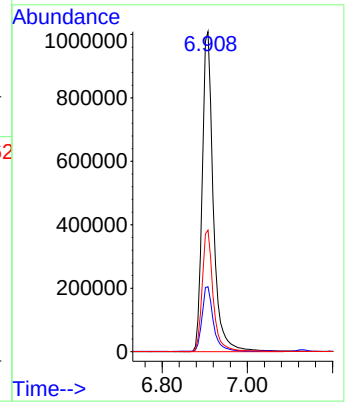


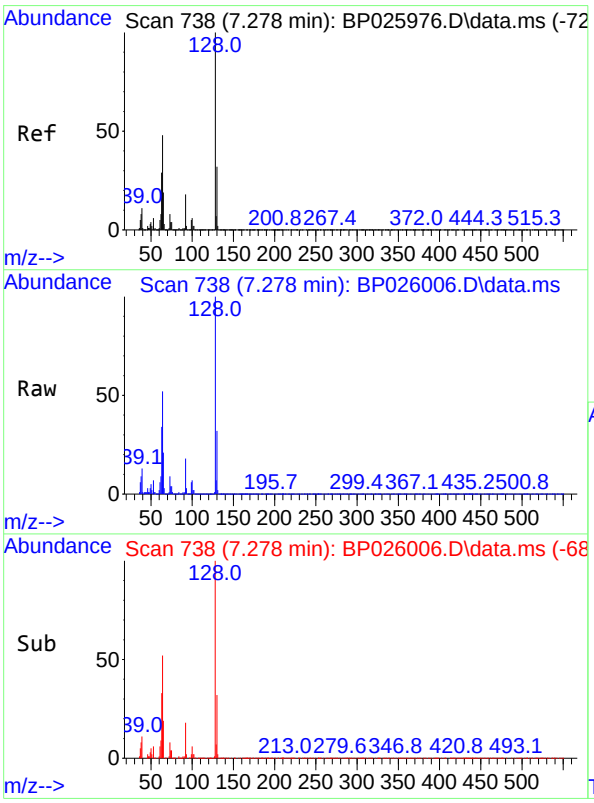
#7
Phenol-d6
Concen: 140.975 ng
RT: 6.907 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion: 99 Resp: 1822393

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.2	21.4
71	38.0	29.4	44.0

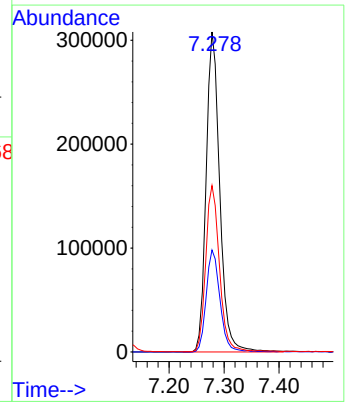


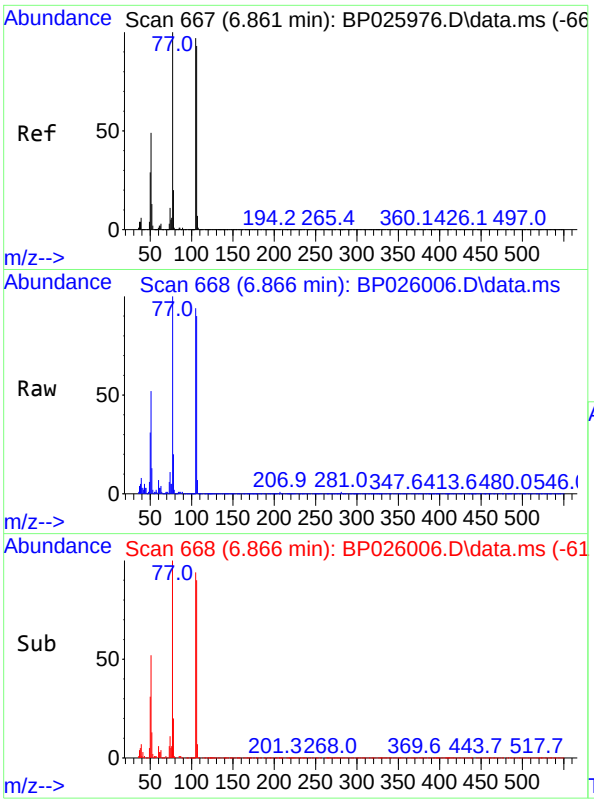


#8
2-Chlorophenol
Concen: 49.337 ng
RT: 7.278 min Scan# 738
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:128 Resp: 529638

Ion	Ratio	Lower	Upper
128	100		
130	31.8	11.8	51.8
64	52.0	28.0	68.0



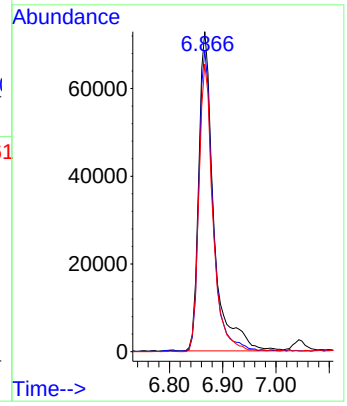


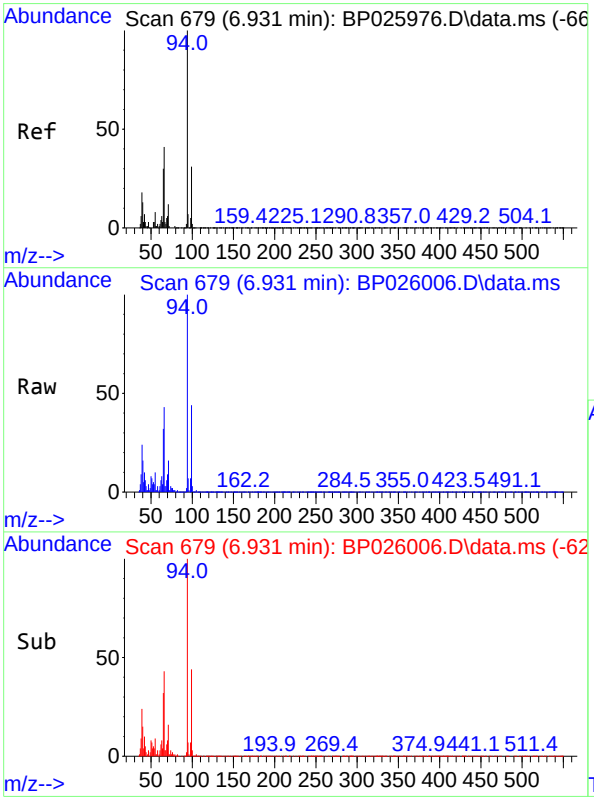
#9
Benzaldehyde
Concen: 20.718 ng
RT: 6.866 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion: 77 Resp: 142915

Ion	Ratio	Lower	Upper
77	100		
105	94.1	76.6	116.6
106	89.8	73.2	113.2

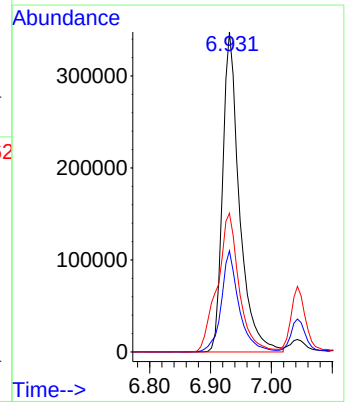


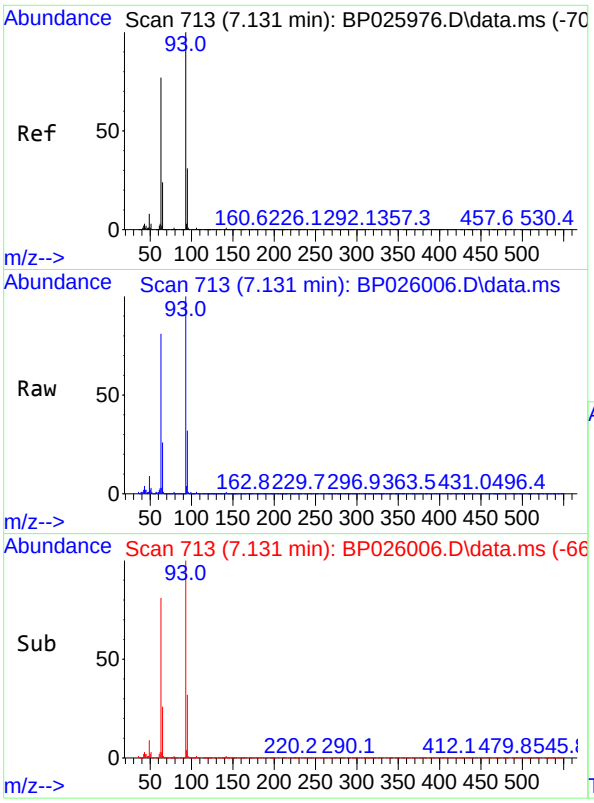


#10
Phenol
Concen: 50.870 ng
RT: 6.931 min Scan# 679
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion: 94 Resp: 663942

Ion	Ratio	Lower	Upper
94	100		
65	31.6	9.8	49.8
66	43.4	21.4	61.4



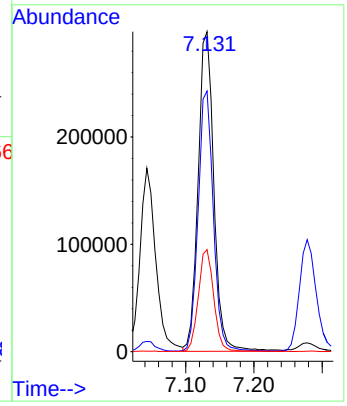


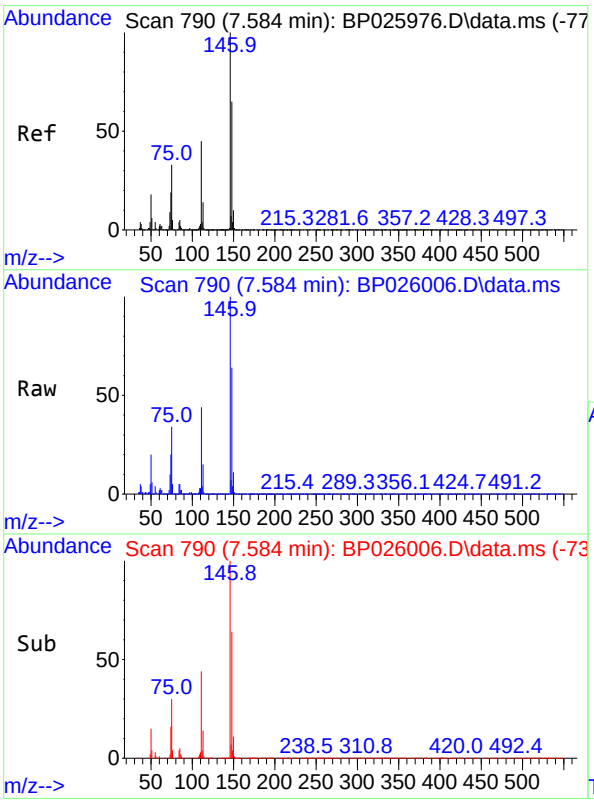
#11
bis(2-Chloroethyl)ether
Concen: 44.703 ng
RT: 7.131 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion: 93 Resp: 475740

Ion	Ratio	Lower	Upper
93	100		
63	81.5	56.6	96.6
95	31.9	11.3	51.3

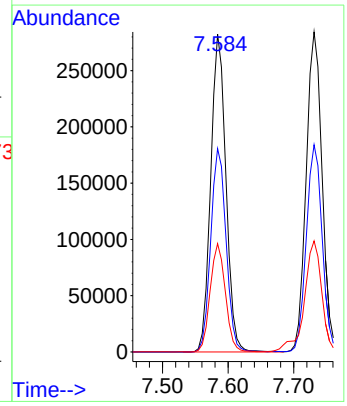


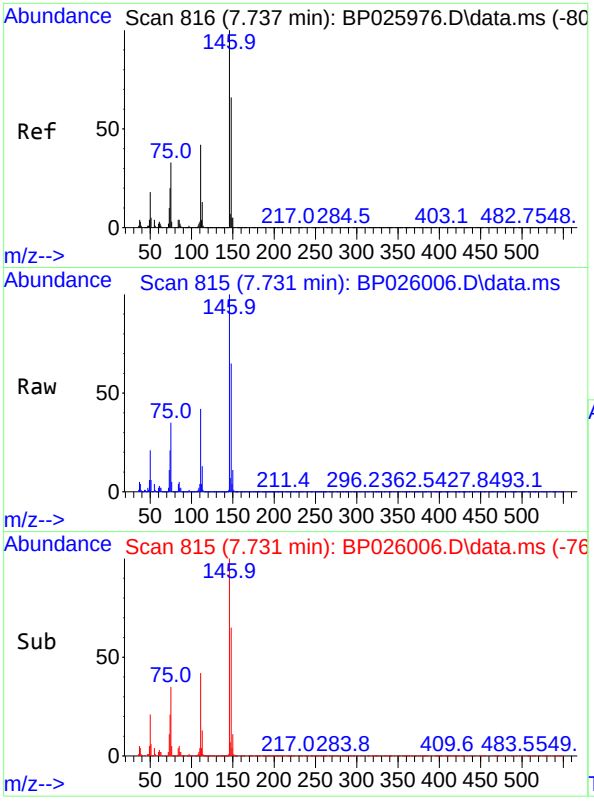


#12
1,3-Dichlorobenzene
Concen: 38.309 ng
RT: 7.584 min Scan# 790
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:146 Resp: 455943

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.7	77.5
75	34.1	26.1	39.1



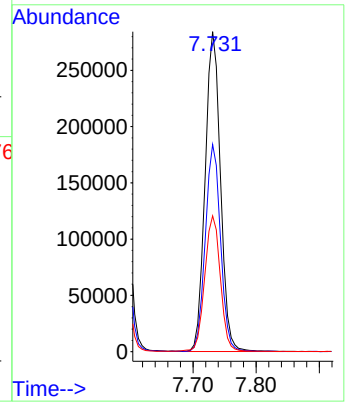


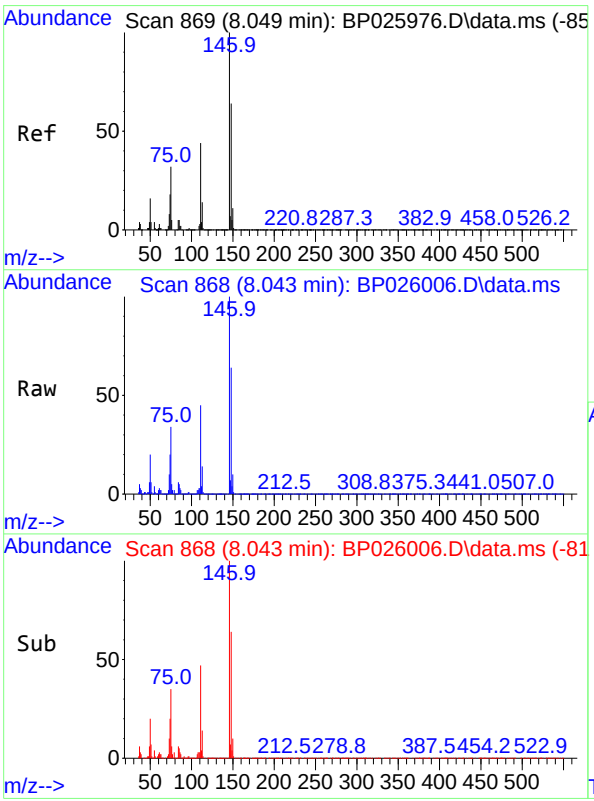
#13
1,4-Dichlorobenzene
Concen: 39.541 ng
RT: 7.731 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:146 Resp: 479486

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.7	79.1
111	42.4	34.0	51.0

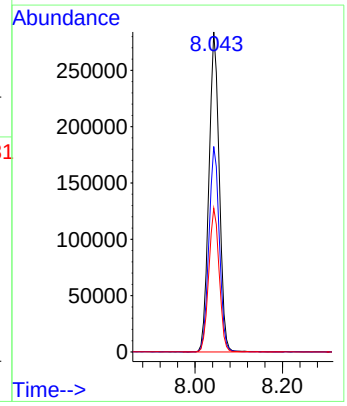


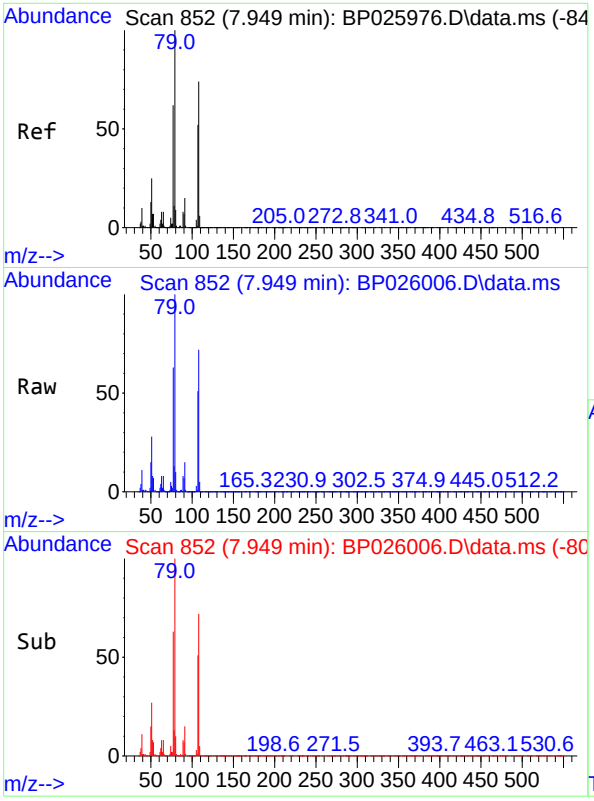


#14
1,2-Dichlorobenzene
Concen: 39.515 ng
RT: 8.043 min Scan# 868
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:146 Resp: 468750

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	44.9	35.3	52.9



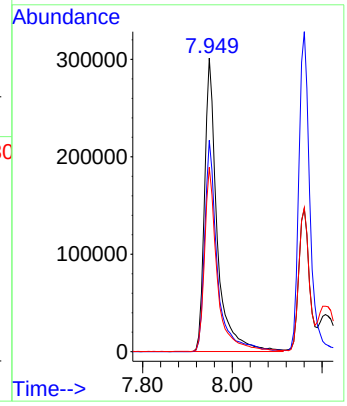


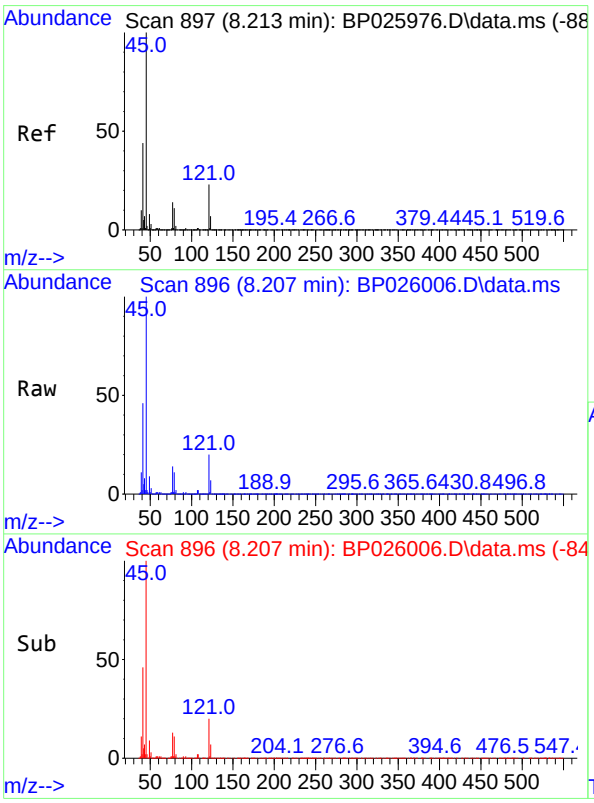
#15
Benzyl Alcohol
Concen: 53.395 ng
RT: 7.949 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion: 79 Resp: 587505

Ion	Ratio	Lower	Upper
79	100		
108	72.0	59.2	88.8
77	62.8	49.3	73.9

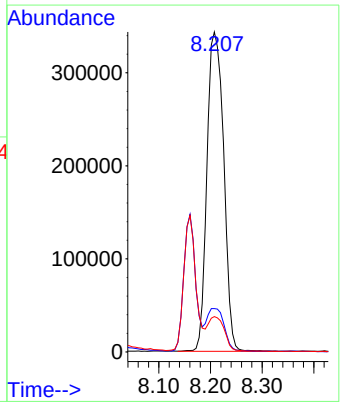


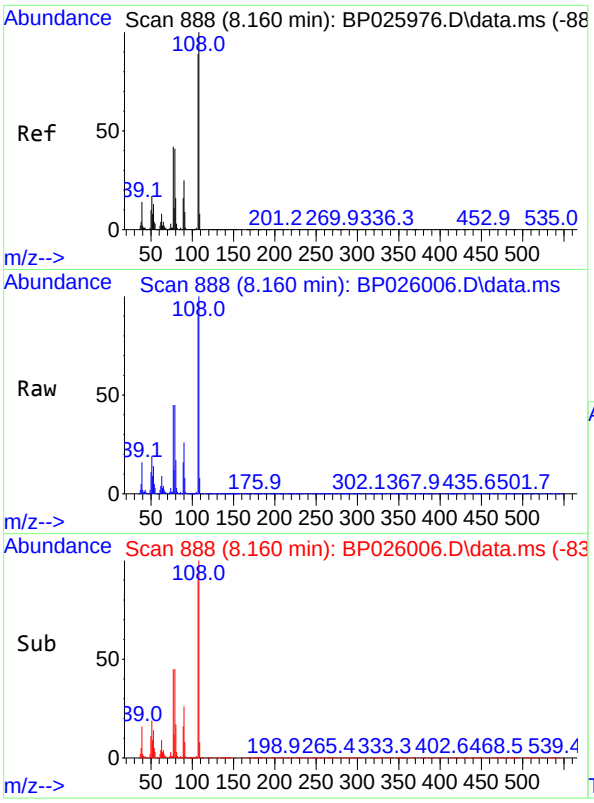


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.058 ng
RT: 8.207 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion: 45 Resp: 771196

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	34.3
79	11.1	0.0	31.5



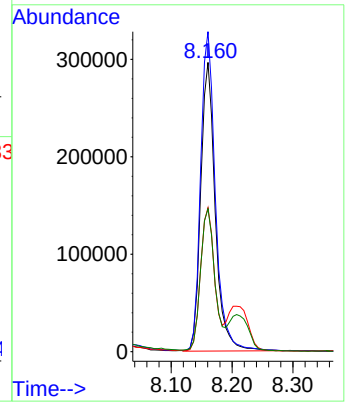


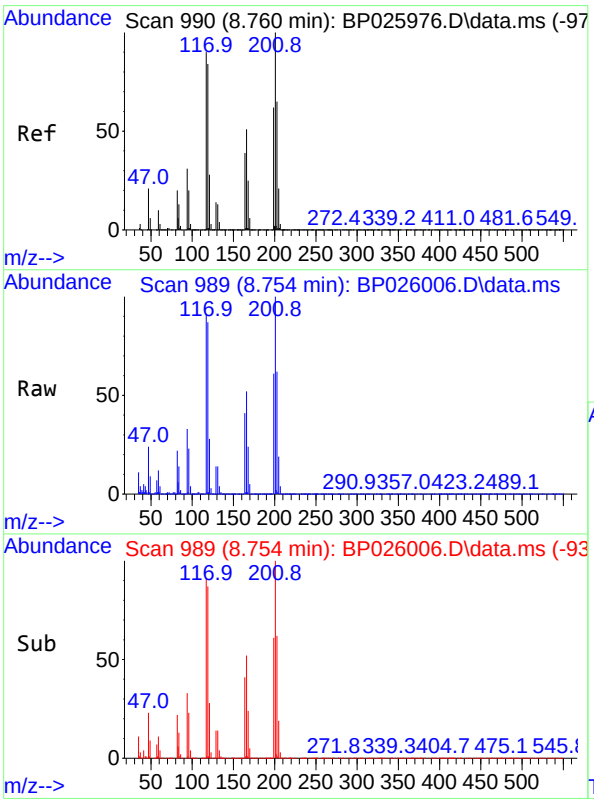
#17
2-Methylphenol
Concen: 52.523 ng
RT: 8.160 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:107 Resp: 491363

Ion	Ratio	Lower	Upper
107	100		
108	110.6	89.5	134.3
77	49.8	38.1	57.1
79	49.4	37.4	56.2

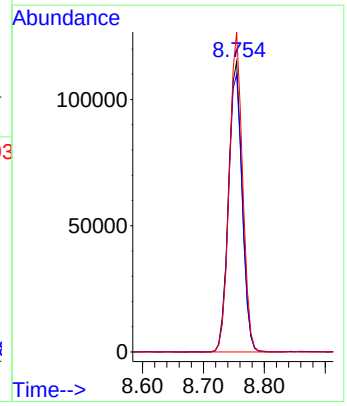


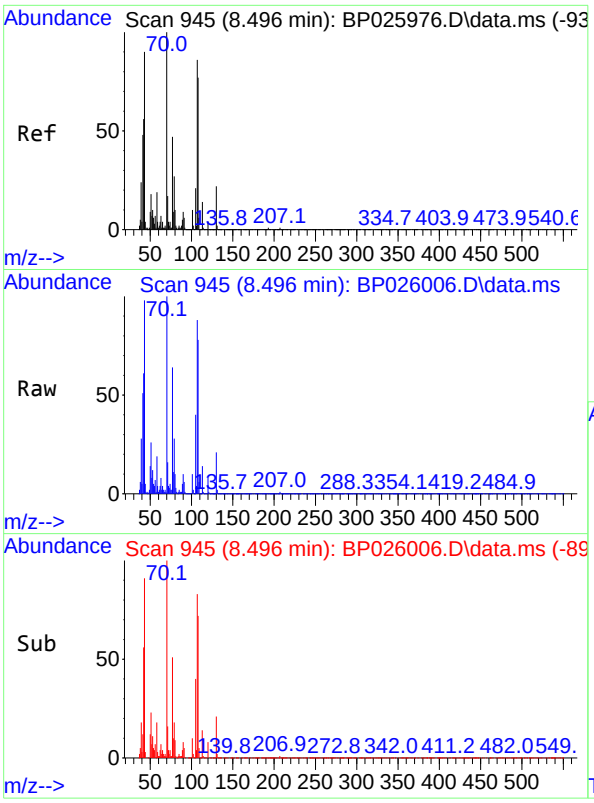


#18
Hexachloroethane
Concen: 38.867 ng
RT: 8.754 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:117 Resp: 179856

Ion	Ratio	Lower	Upper
117	100		
119	95.6	74.6	112.0
201	110.2	88.6	133.0



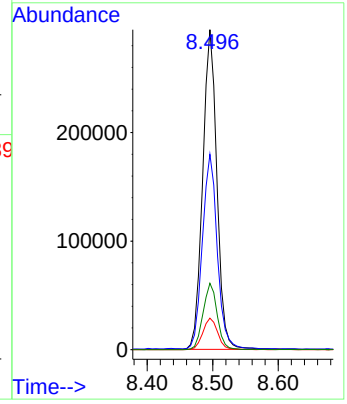


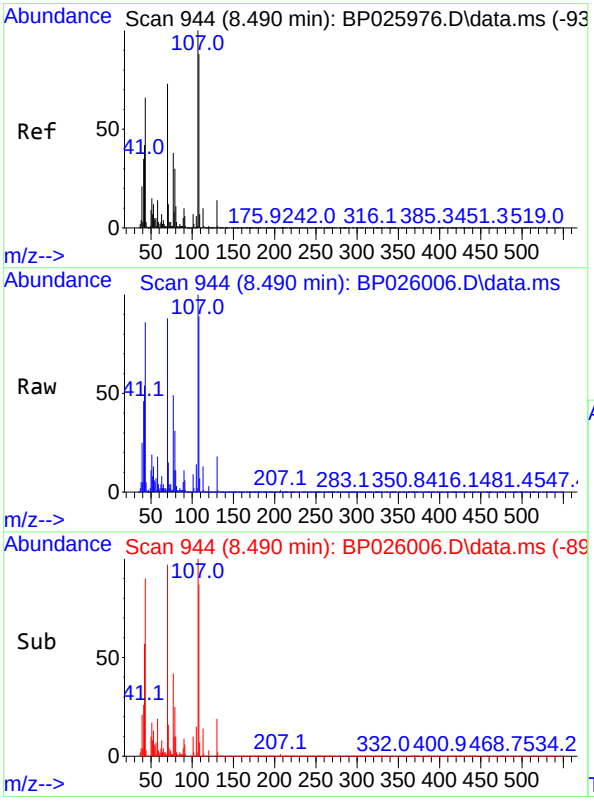
#19
n-Nitroso-di-n-propylamine
Concen: 48.238 ng
RT: 8.496 min Scan# 94
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion: 70 Resp: 444536

Ion	Ratio	Lower	Upper
70	100		
42	61.1	45.2	67.8
101	9.9	7.9	11.9
130	20.8	17.3	25.9

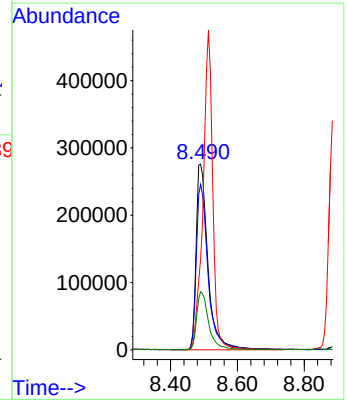


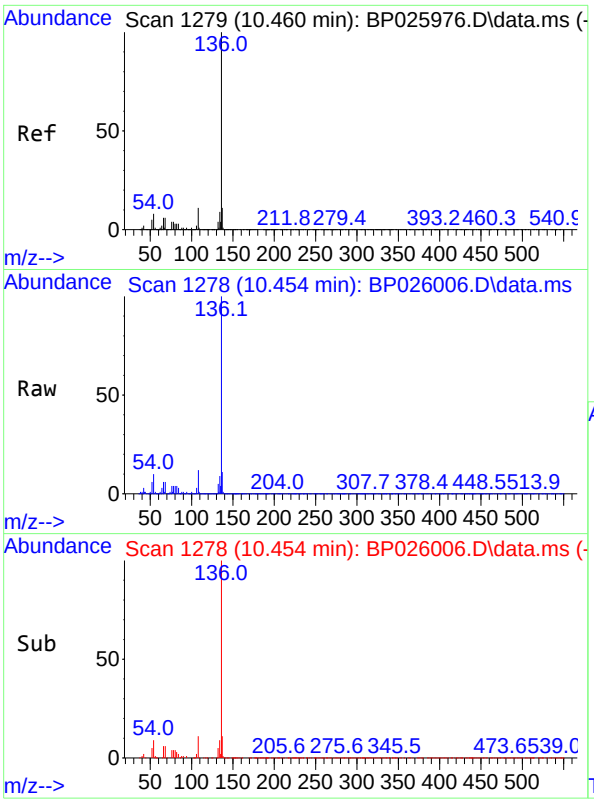


#20
3+4-Methylphenols
Concen: 52.060 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:107 Resp: 678604

Ion	Ratio	Lower	Upper
107	100		
108	89.0	67.8	107.8
77	49.2	18.5	58.5
79	31.4	9.7	49.7



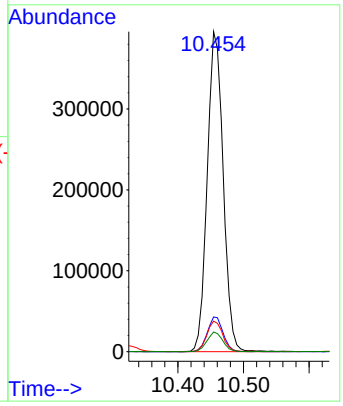


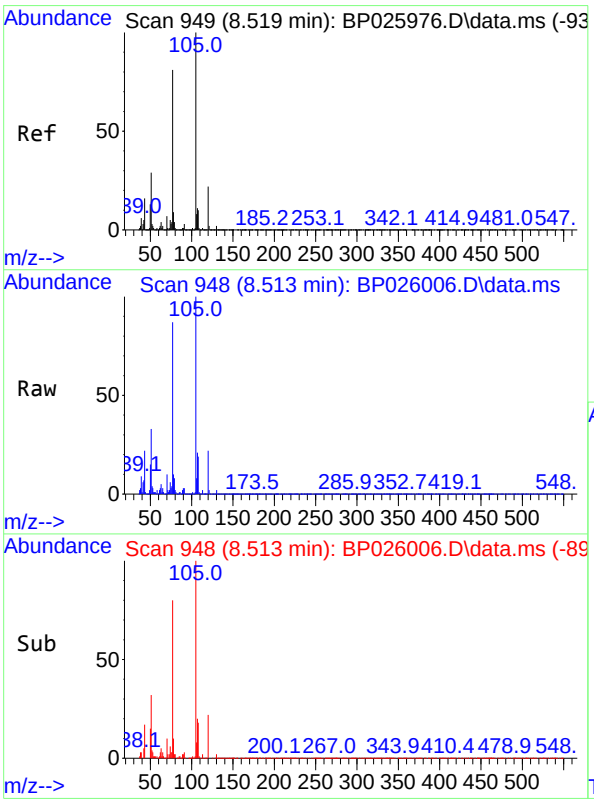
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:136 Resp: 669626

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.6	6.8	10.2
68	6.2	4.5	6.7

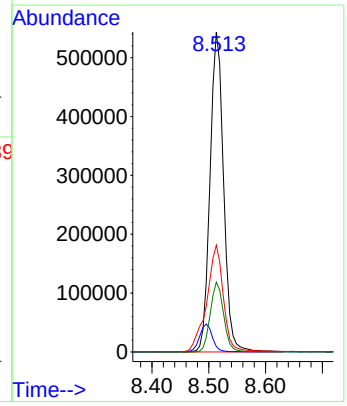


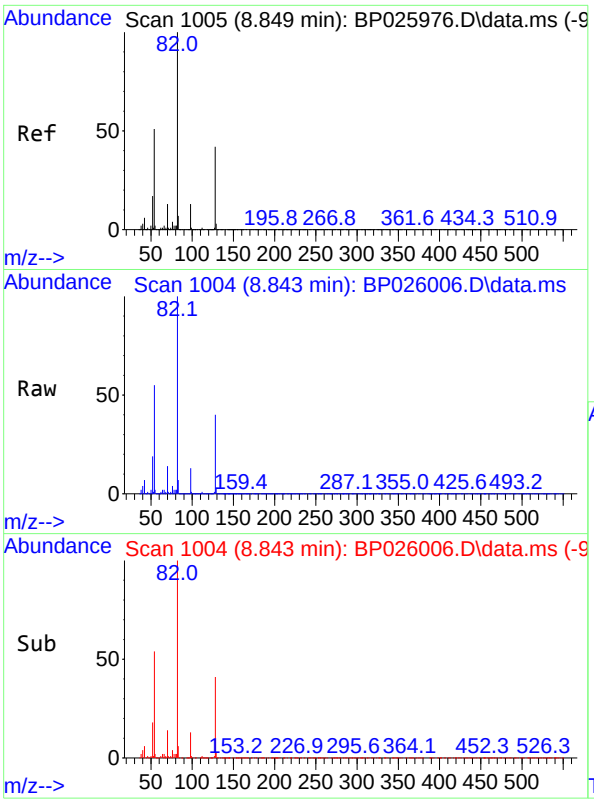


#22
Acetophenone
Concen: 49.474 ng
RT: 8.513 min Scan# 948
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:105 Resp: 900655

Ion	Ratio	Lower	Upper
105	100		
71	1.7	0.9	1.3#
51	33.4	23.0	34.4
120	21.9	17.8	26.6



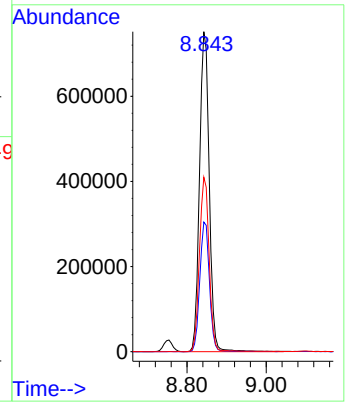


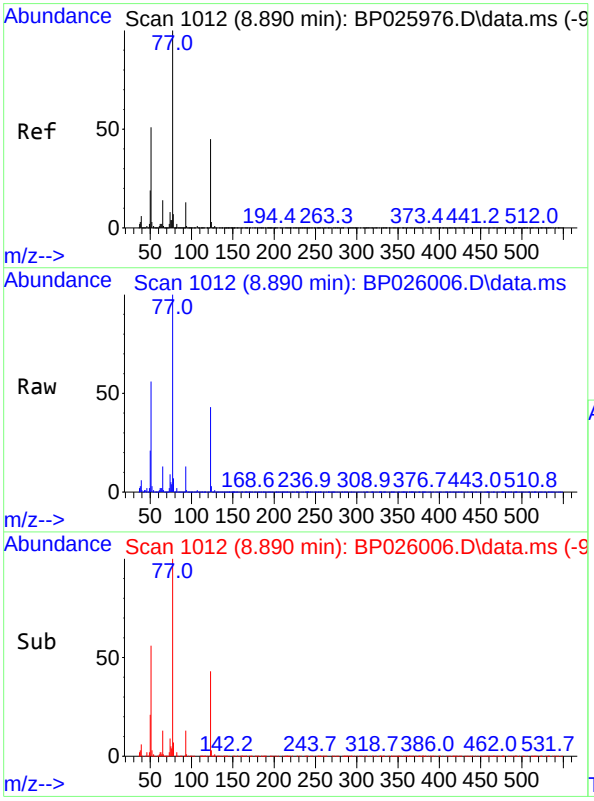
#23
Nitrobenzene-d5
Concen: 85.469 ng
RT: 8.843 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion: 82 Resp: 1273300

Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.6	50.4
54	54.5	40.6	61.0

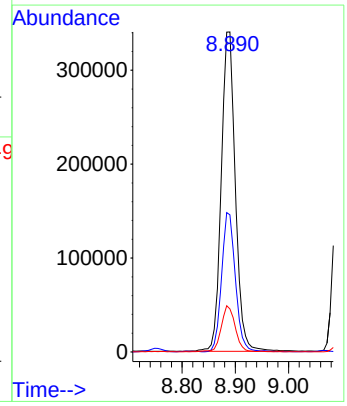


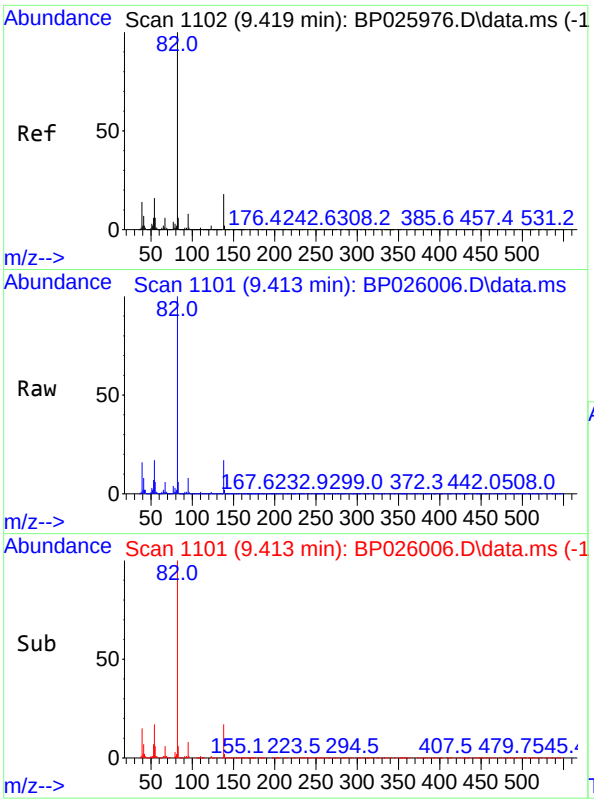


#24
Nitrobenzene
Concen: 47.196 ng
RT: 8.890 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion: 77 Resp: 625268

Ion	Ratio	Lower	Upper
77	100		
123	42.8	35.6	53.4
65	13.5	11.1	16.7



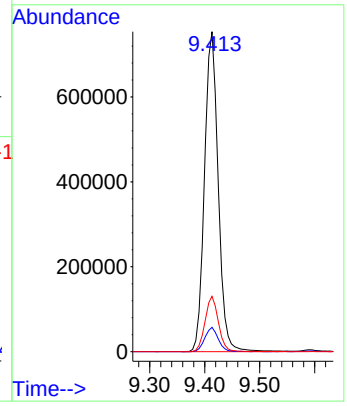


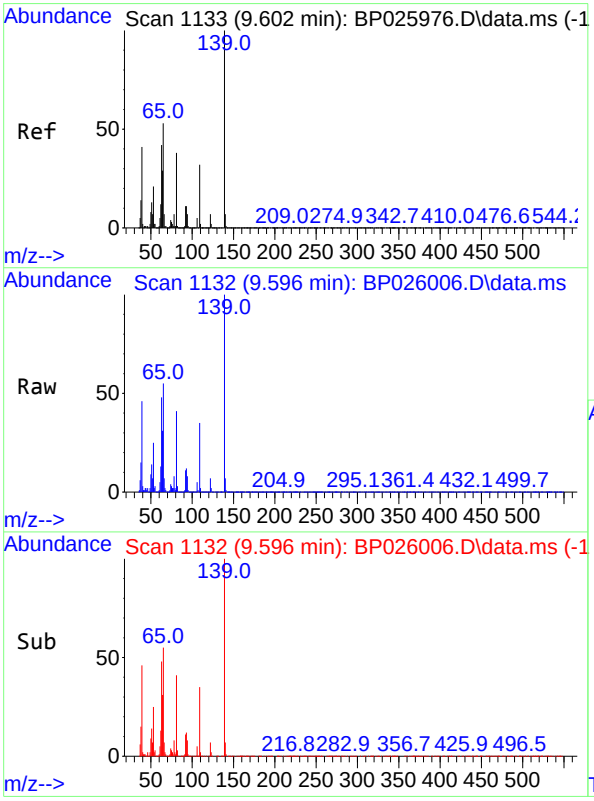
#25
Isophorone
Concen: 48.608 ng
RT: 9.413 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion: 82 Resp: 1300605

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	17.3	14.2	21.2

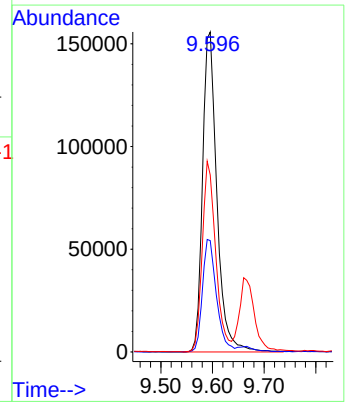


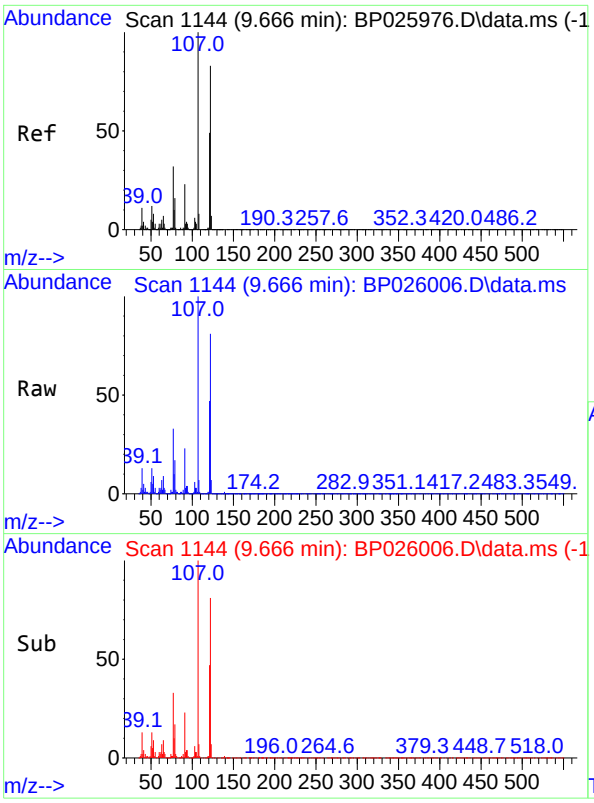


#26
2-Nitrophenol
Concen: 46.825 ng
RT: 9.596 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:139 Resp: 300426

Ion	Ratio	Lower	Upper
139	100		
109	34.8	25.9	38.9
65	55.3	42.4	63.6



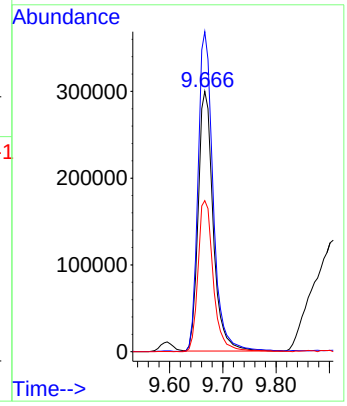


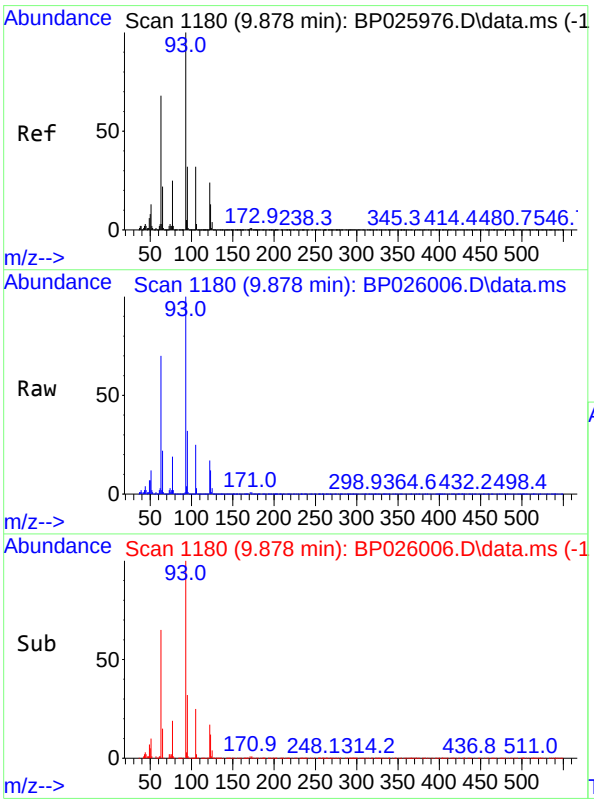
#27
2,4-Dimethylphenol
Concen: 53.658 ng
RT: 9.666 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:122 Resp: 583385

Ion	Ratio	Lower	Upper
122	100		
107	122.9	95.9	143.9
121	58.0	46.6	70.0

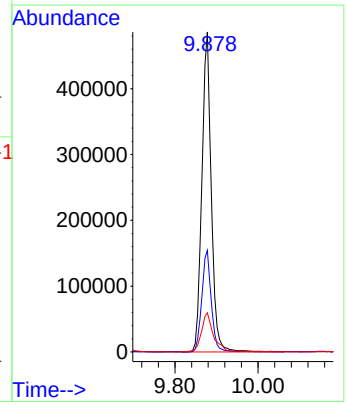


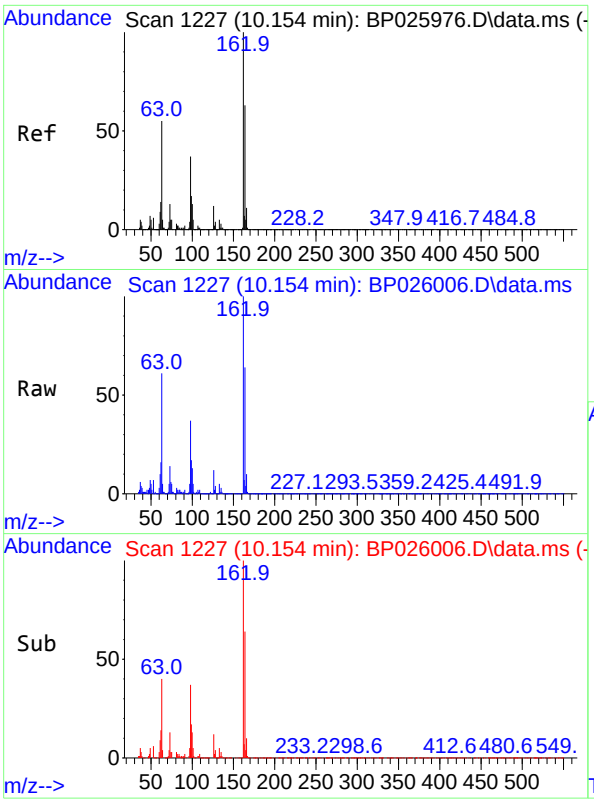


#28
bis(2-Chloroethoxy)methane
Concen: 48.838 ng
RT: 9.878 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion: 93 Resp: 764417

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.3	37.9
123	12.3	10.4	15.6



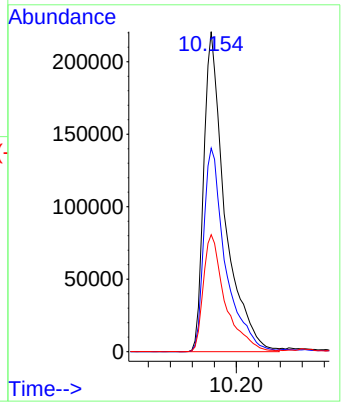


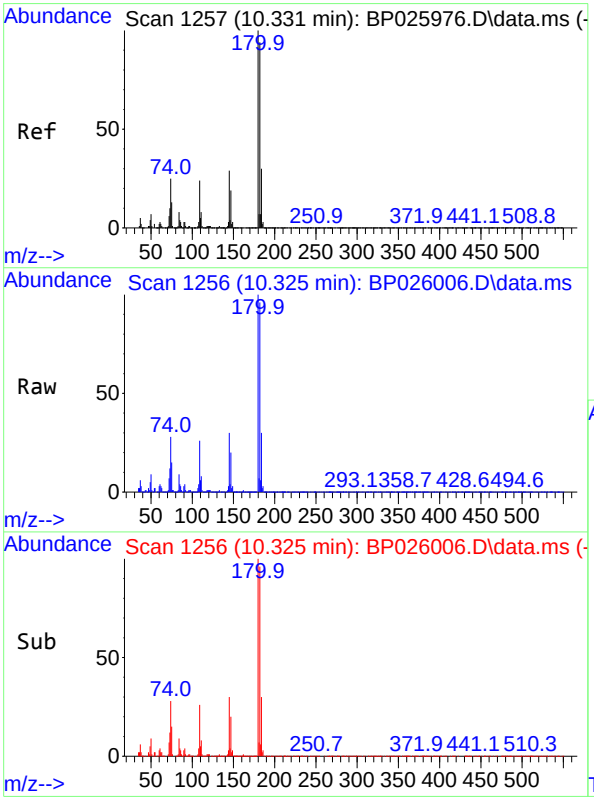
#29
2,4-Dichlorophenol
Concen: 54.522 ng
RT: 10.154 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:162 Resp: 590650

Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.4	83.4
98	36.5	17.3	57.3

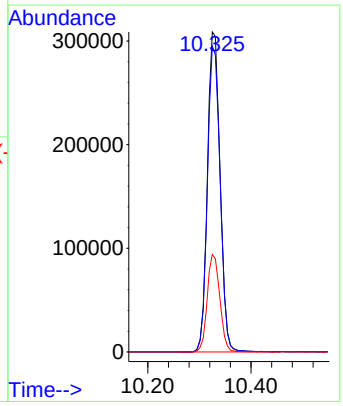


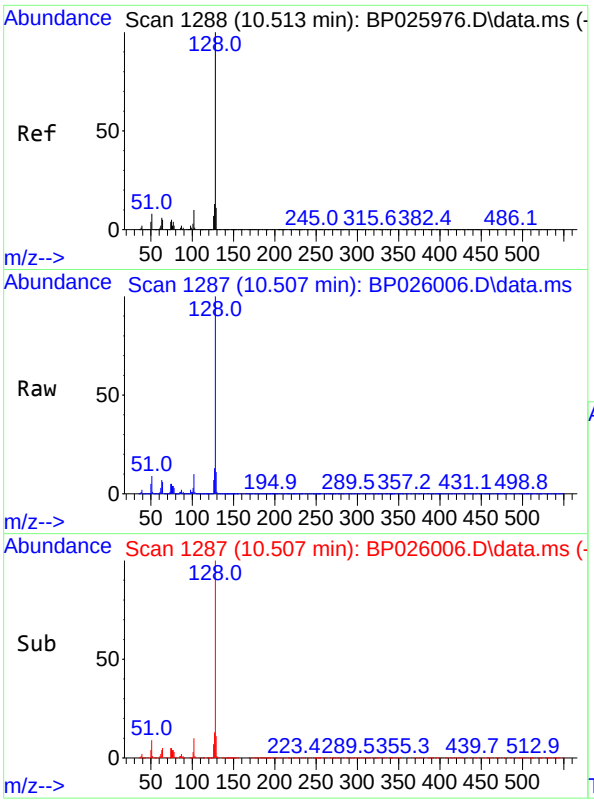


#30
1,2,4-Trichlorobenzene
Concen: 42.771 ng
RT: 10.325 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:180 Resp: 524567

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.3	112.9
145	30.5	23.4	35.2



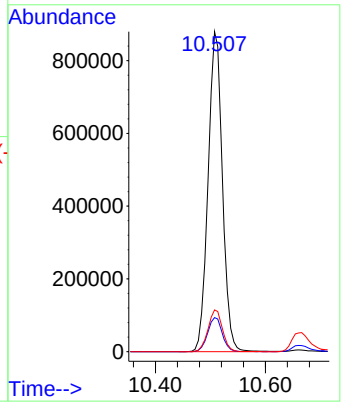


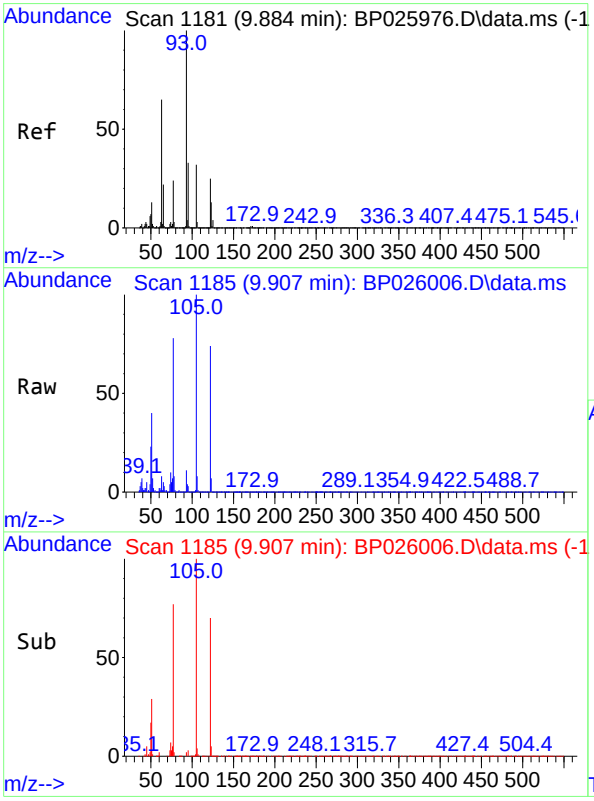
#31
Naphthalene
Concen: 44.065 ng
RT: 10.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:128 Resp: 1591744

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.1	10.6	16.0

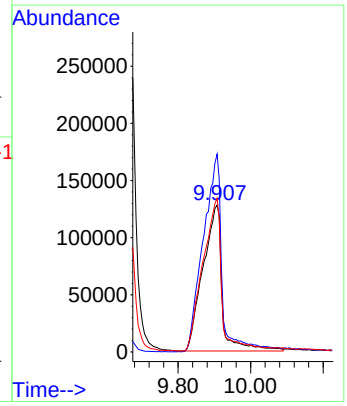


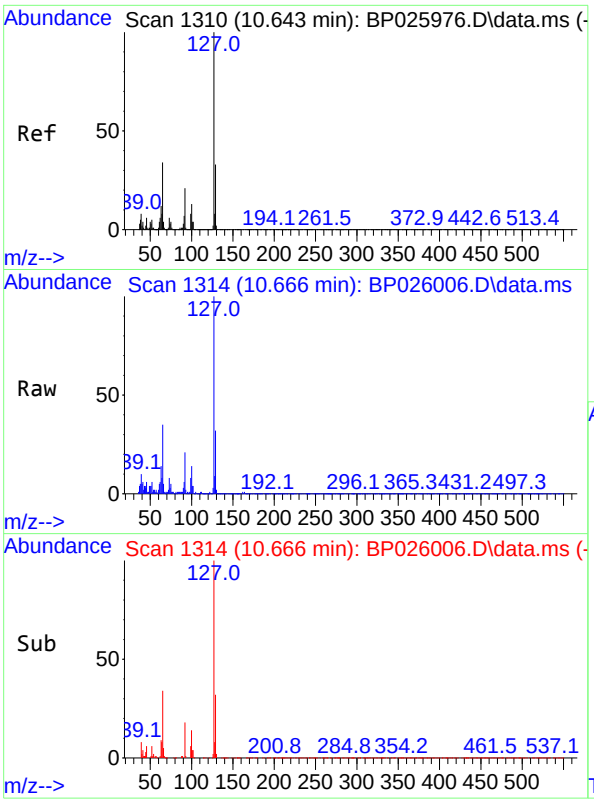


#32
Benzoic acid
Concen: 59.976 ng
RT: 9.907 min Scan# 1185
Delta R.T. 0.023 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:122 Resp: 472517

Ion	Ratio	Lower	Upper
122	100		
105	134.8	107.4	147.4
77	104.7	77.0	117.0



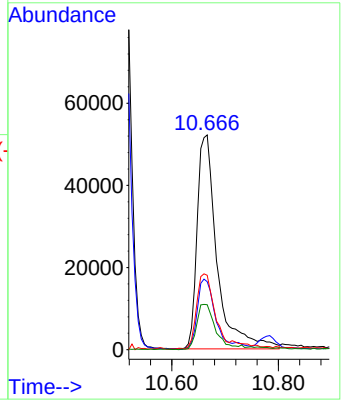


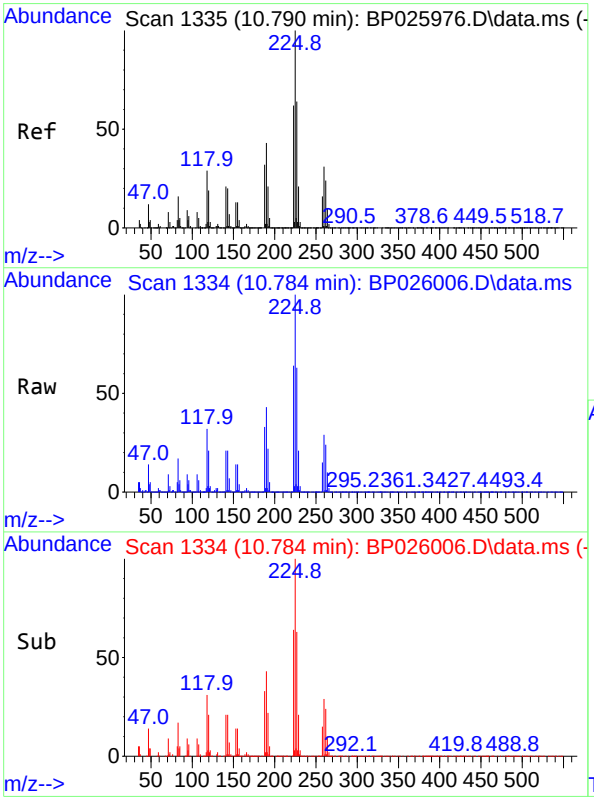
#33
4-Chloroaniline
Concen: 8.841 ng
RT: 10.666 min Scan# 1
Delta R.T. 0.023 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:127 Resp: 135619

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.2	39.4
65	34.6	27.2	40.8
92	20.9	17.0	25.4

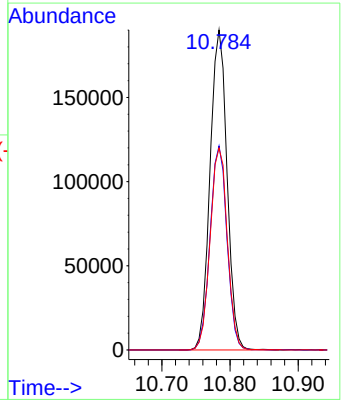


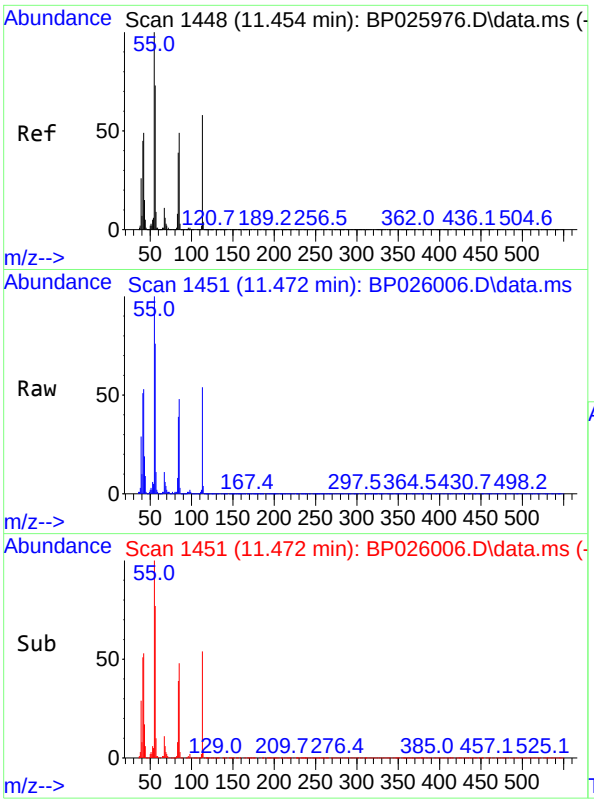


#34
Hexachlorobutadiene
Concen: 40.592 ng
RT: 10.784 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:225 Resp: 329473

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.8	74.8
227	63.1	51.4	77.2



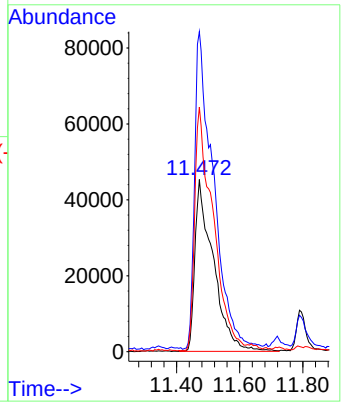


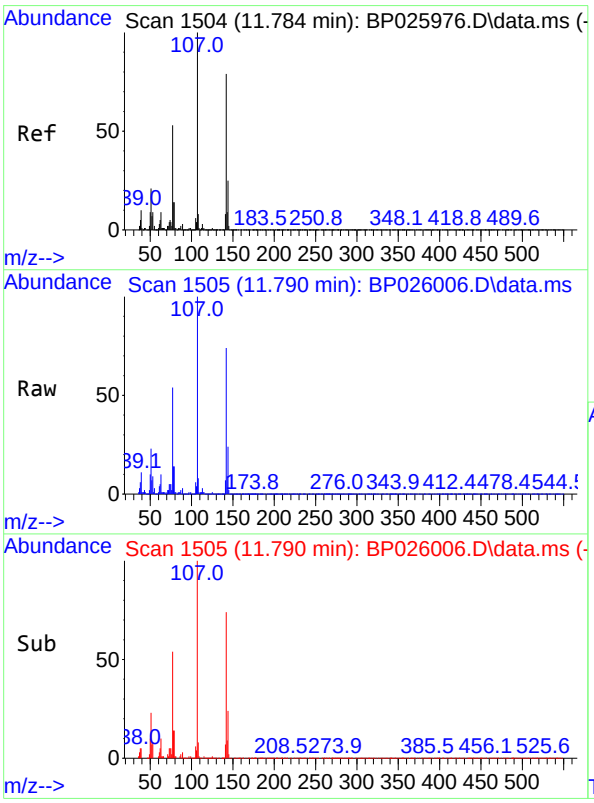
#35
Caprolactam
Concen: 47.361 ng
RT: 11.472 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:113 Resp: 182582

Ion	Ratio	Lower	Upper
113	100		
55	185.8	151.8	191.8
56	142.0	104.6	144.6

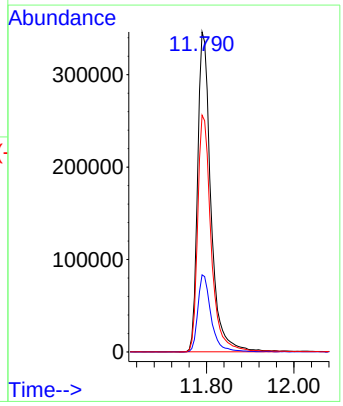


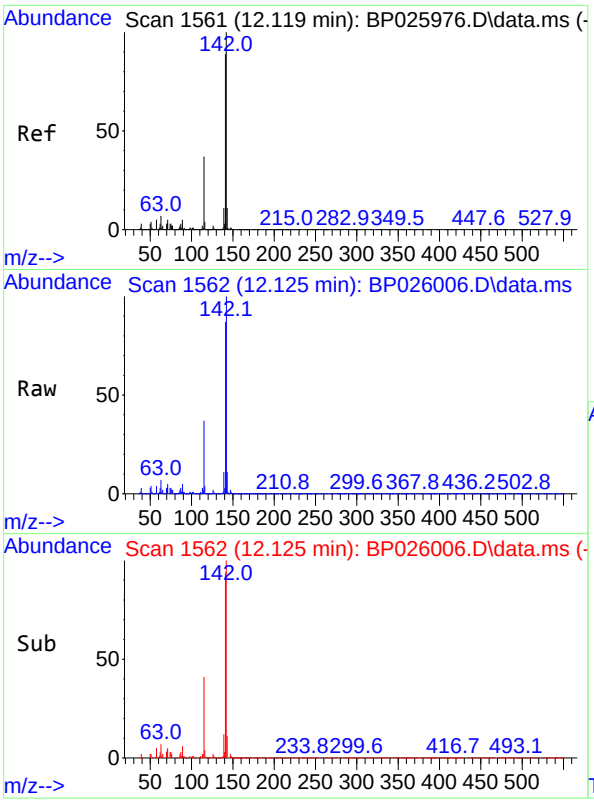


#36
4-Chloro-3-methylphenol
Concen: 57.561 ng
RT: 11.790 min Scan# 1505
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:107 Resp: 732091

Ion	Ratio	Lower	Upper
107	100		
144	24.1	20.3	30.5
142	74.0	63.0	94.4



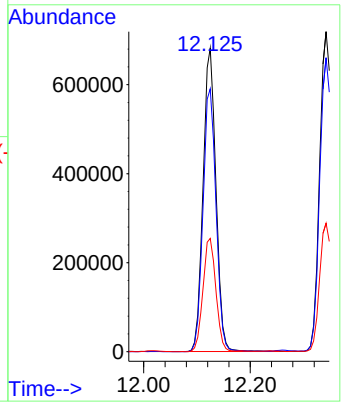


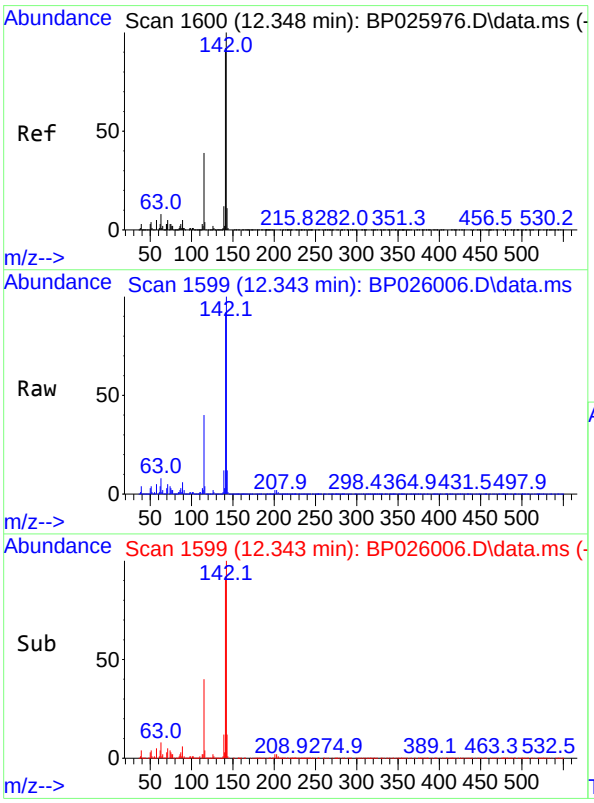
#37
2-Methylnaphthalene
Concen: 48.275 ng
RT: 12.125 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:142 Resp: 1141734

Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.9	106.3
115	37.3	29.9	44.9

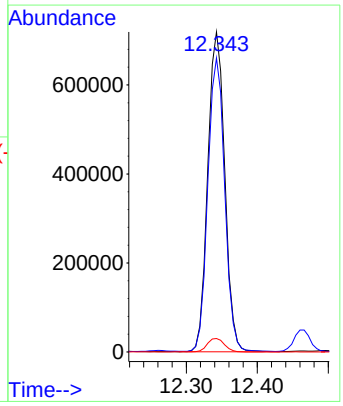


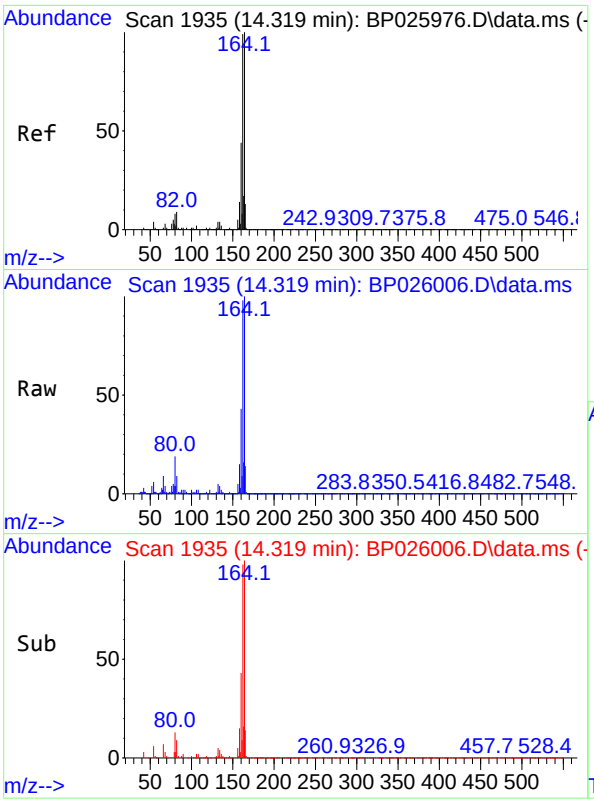


#38
1-Methylnaphthalene
Concen: 47.910 ng
RT: 12.343 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:142 Resp: 1195179

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.7	110.5
116	4.2	3.2	4.8



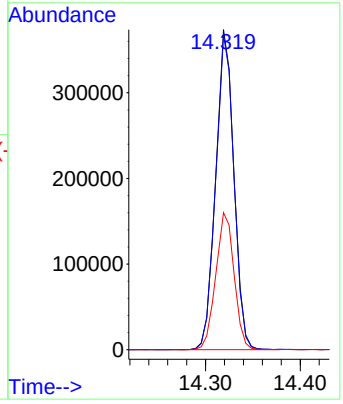


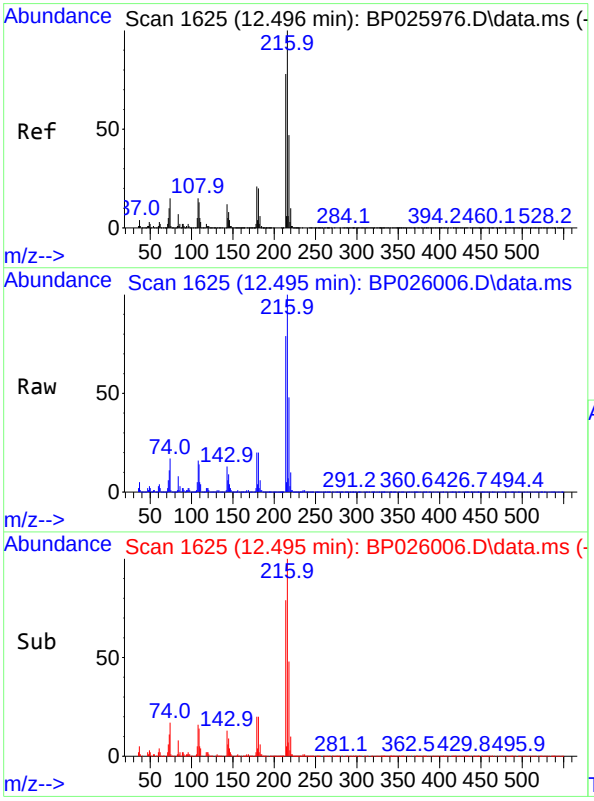
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:164 Resp: 496531

Ion	Ratio	Lower	Upper
164	100		
162	98.4	79.3	118.9
160	42.8	35.4	53.0

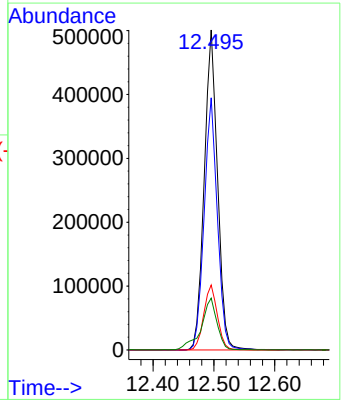


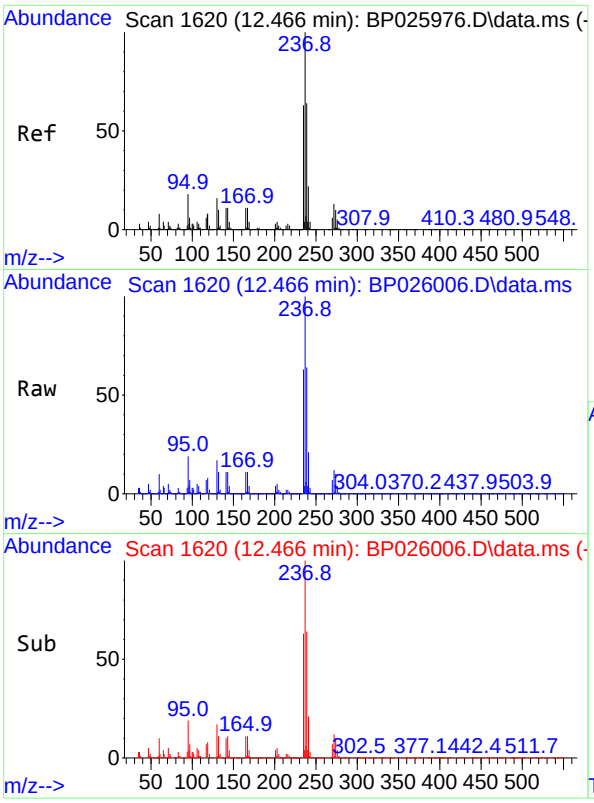


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.131 ng
RT: 12.495 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:216 Resp: 762032

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	94.0
179	20.8	16.5	24.7
108	19.3	13.4	20.0



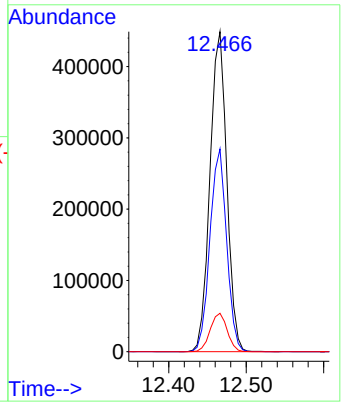


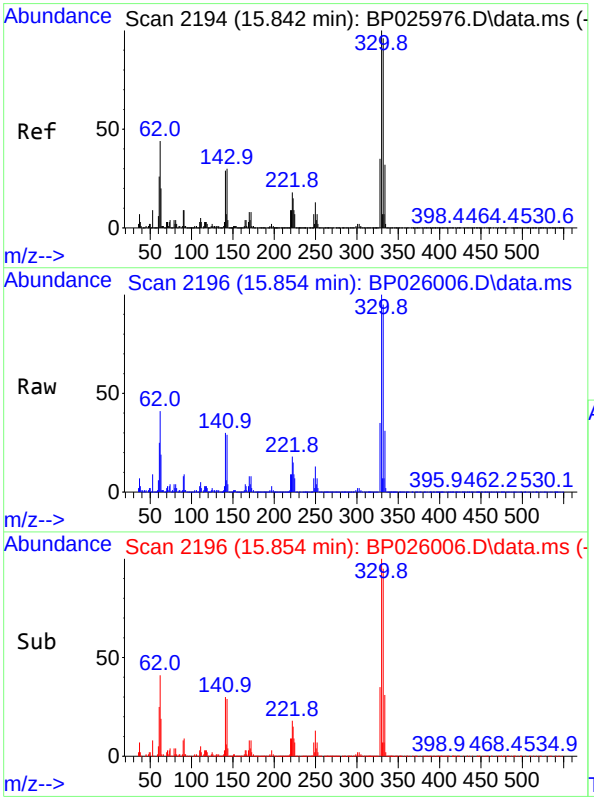
#41
Hexachlorocyclopentadiene
Concen: 71.513 ng
RT: 12.466 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:237 Resp: 675680

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.1	83.1
272	12.0	0.0	33.4

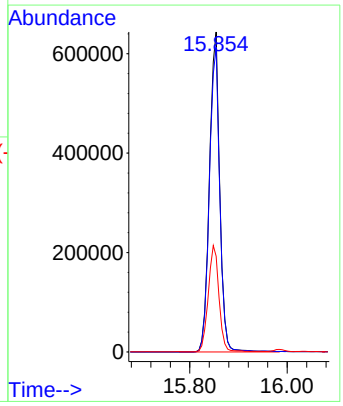


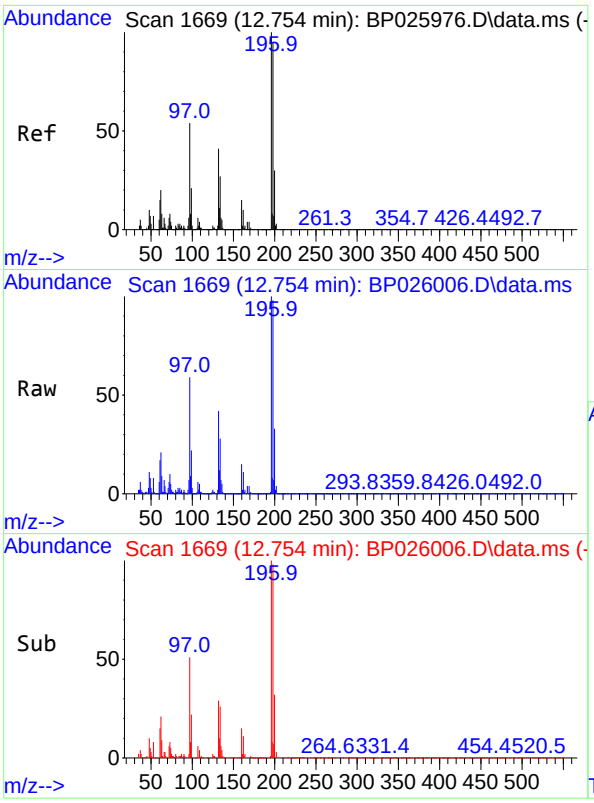


#42
2,4,6-Tribromophenol
Concen: 140.446 ng
RT: 15.854 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:330 Resp: 938808

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.8	116.8
141	34.6	25.6	38.4



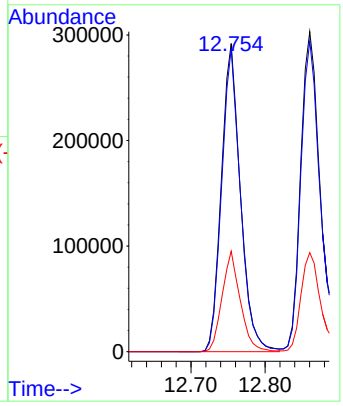


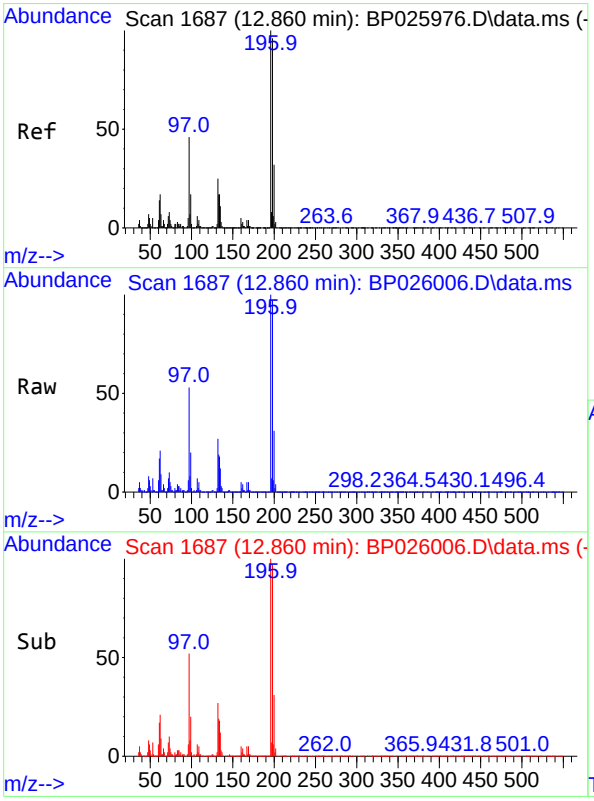
#43
2,4,6-Trichlorophenol
Concen: 50.939 ng
RT: 12.754 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:196 Resp: 522770

Ion	Ratio	Lower	Upper
196	100		
198	98.4	76.3	114.5
200	32.6	23.9	35.9

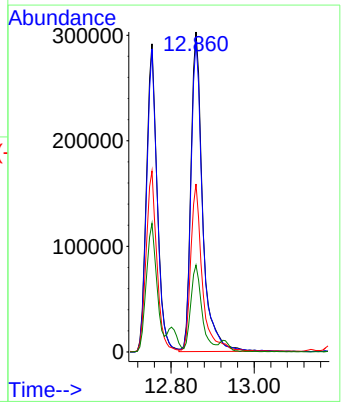


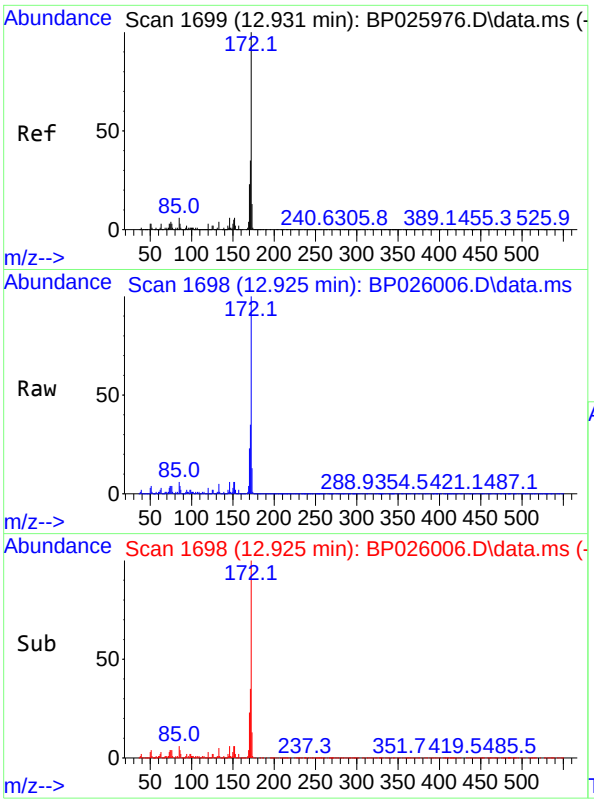


#44
2,4,5-Trichlorophenol
Concen: 53.133 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:196 Resp: 593774

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.0	115.4
97	52.5	36.6	54.8
132	27.2	20.1	30.1



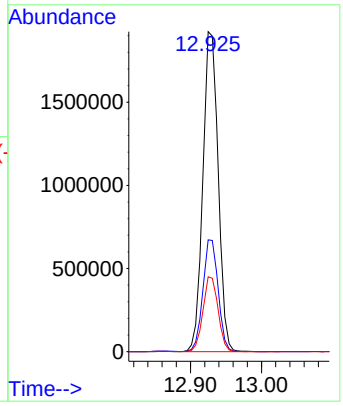


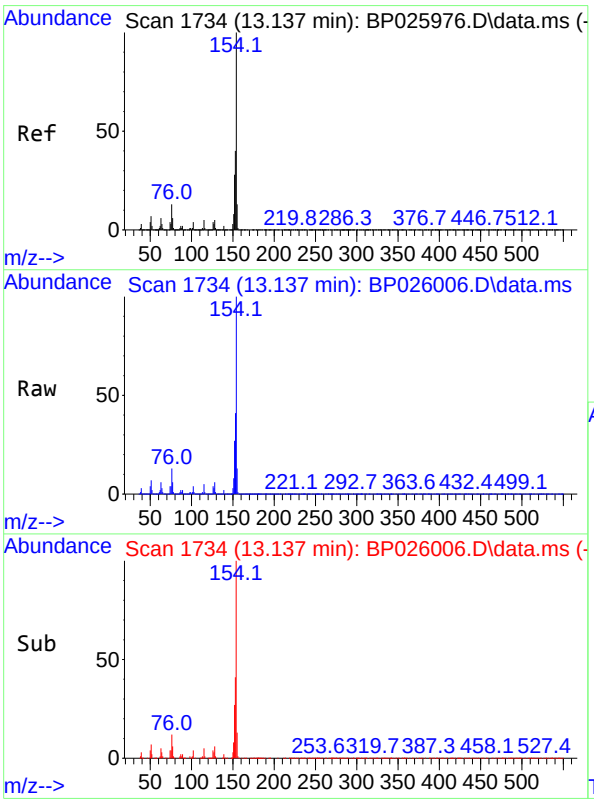
#45
2-Fluorobiphenyl
Concen: 74.505 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:172 Resp: 2886252

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.8
170	23.4	18.5	27.7

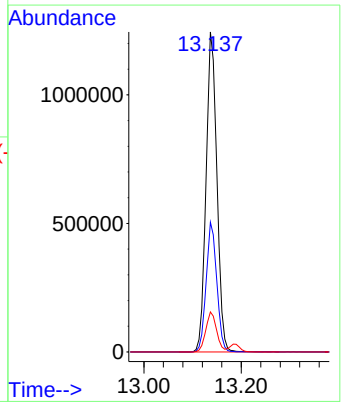


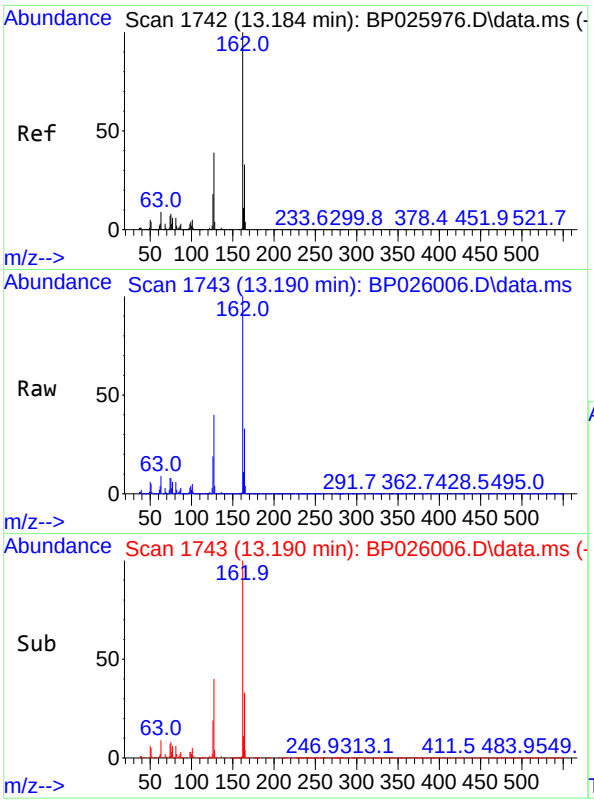


#46
1,1'-Biphenyl
Concen: 50.926 ng
RT: 13.137 min Scan# 1734
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:154 Resp: 1910085

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.1	60.1
76	12.5	0.0	33.1



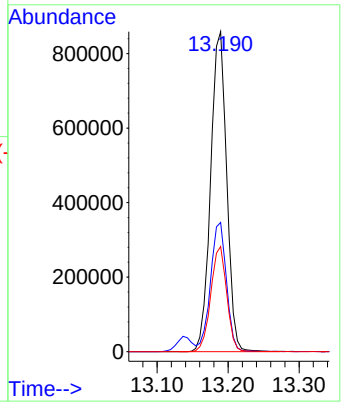


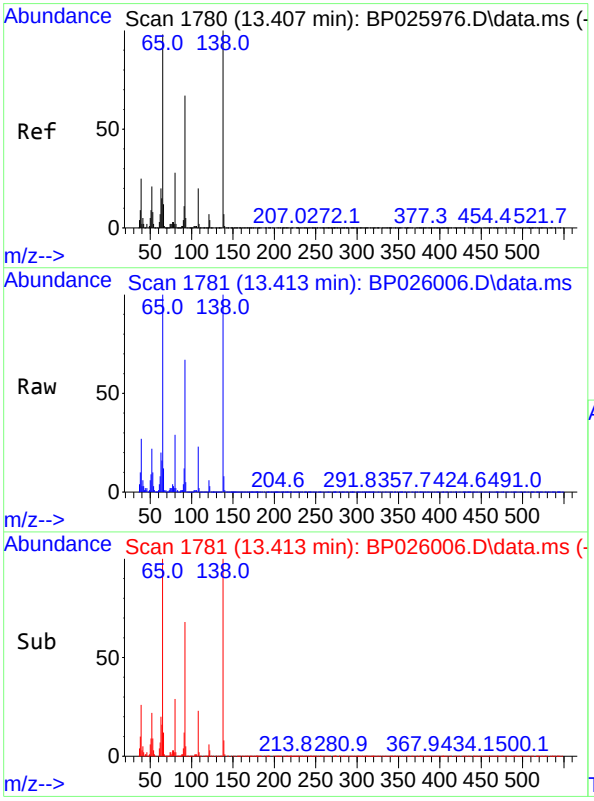
#47
2-Chloronaphthalene
Concen: 45.999 ng
RT: 13.190 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:162 Resp: 1349007

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.4	47.0
164	32.8	26.4	39.6

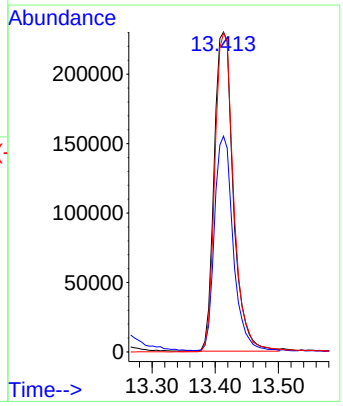


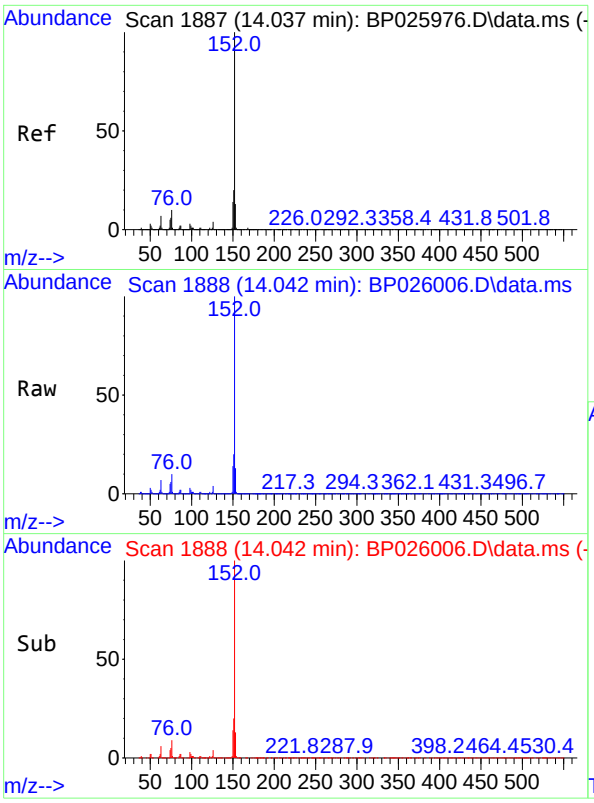


#48
2-Nitroaniline
Concen: 52.787 ng
RT: 13.413 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion: 65 Resp: 482490

Ion	Ratio	Lower	Upper
65	100		
92	67.5	55.0	82.4
138	99.7	82.0	123.0



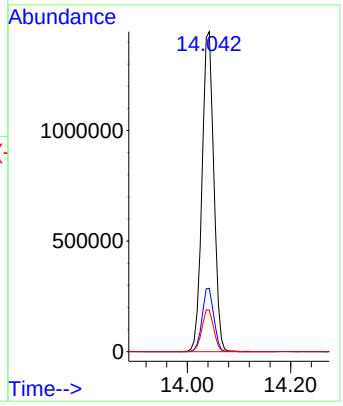


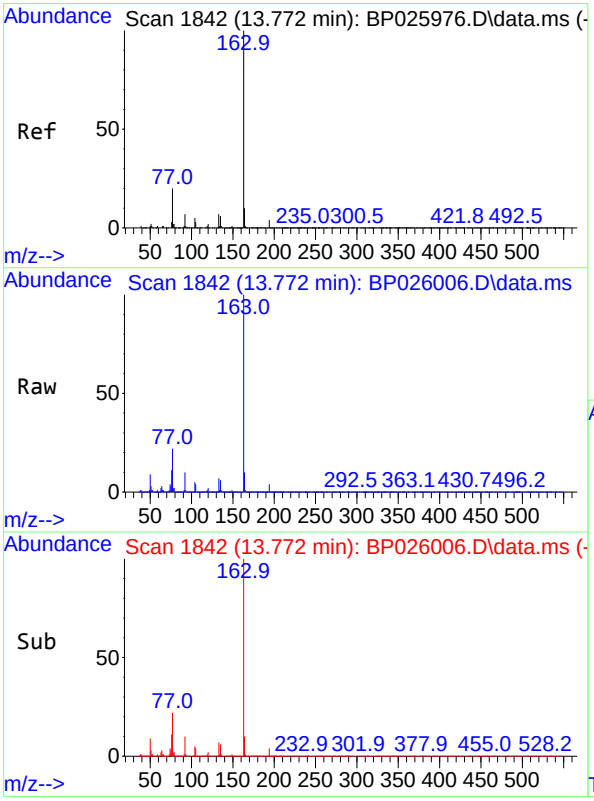
#49
Acenaphthylene
Concen: 48.251 ng
RT: 14.042 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:152 Resp: 2288009

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.0	10.6	15.8

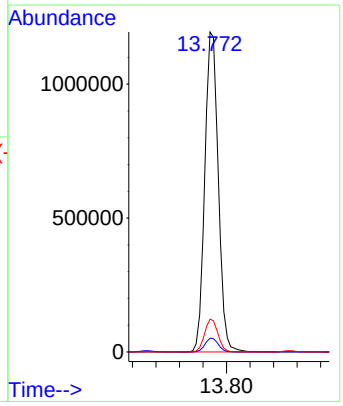


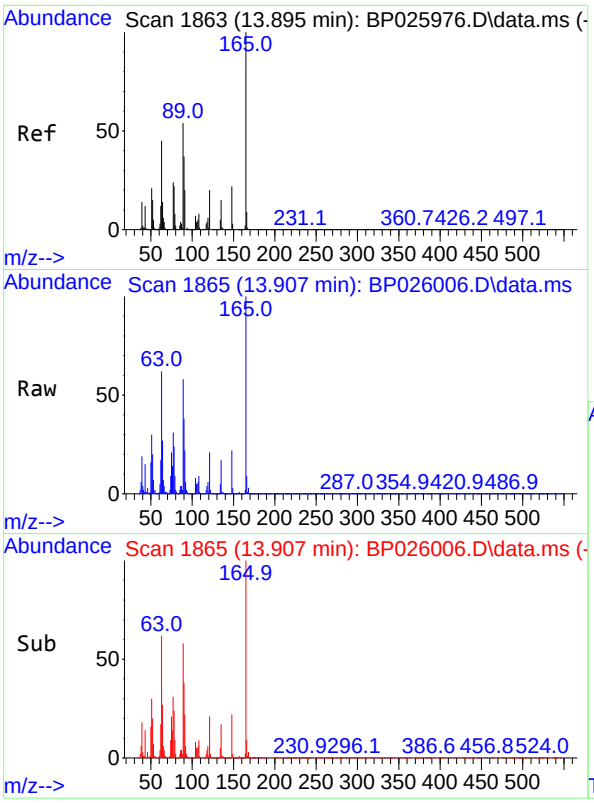


#50
Dimethylphthalate
Concen: 50.548 ng
RT: 13.772 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:163 Resp: 1897104

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.6	5.4
164	10.3	8.2	12.2



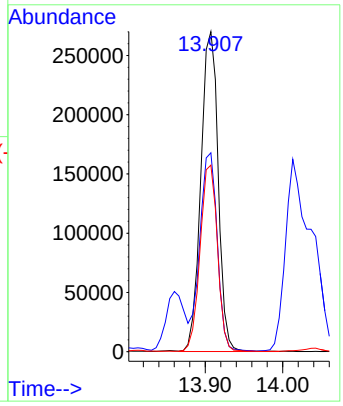


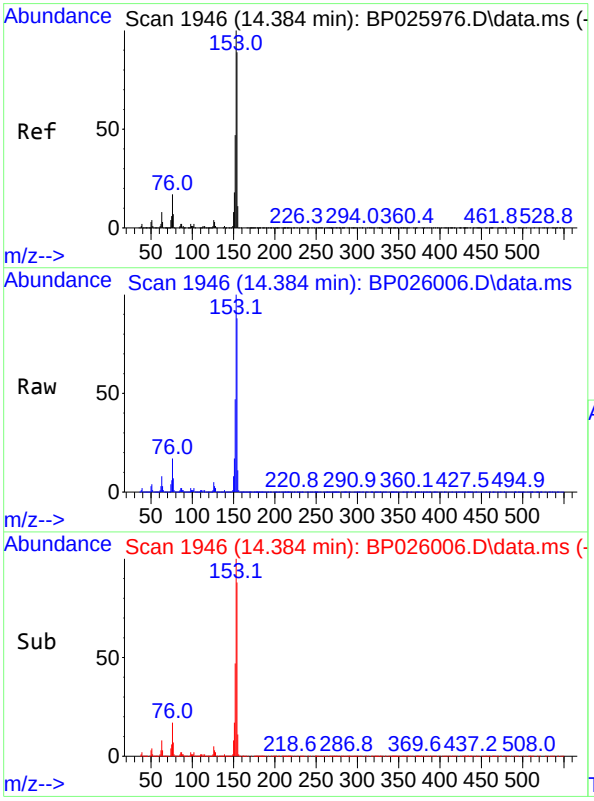
#51
2,6-Dinitrotoluene
Concen: 51.566 ng
RT: 13.907 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:165 Resp: 417854

Ion	Ratio	Lower	Upper
165	100		
63	62.2	45.4	68.0
89	58.3	43.4	65.0

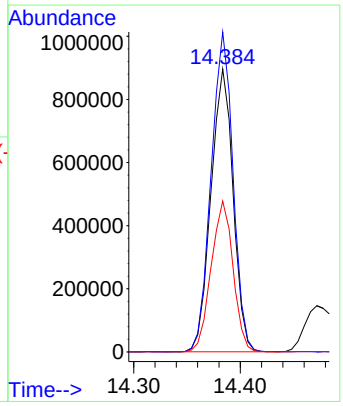


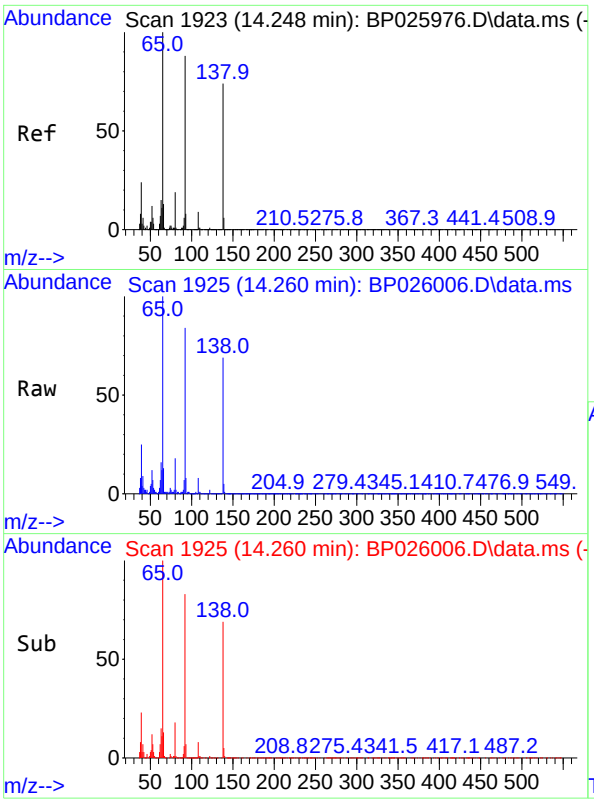


#52
Acenaphthene
Concen: 47.223 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:154 Resp: 1293059

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.2	135.2
152	53.3	42.2	63.2



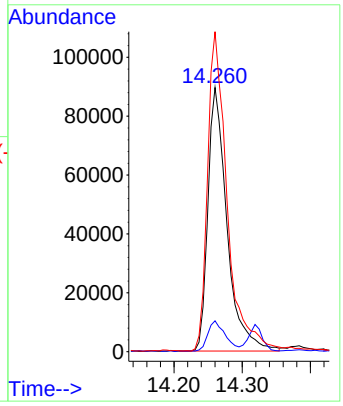


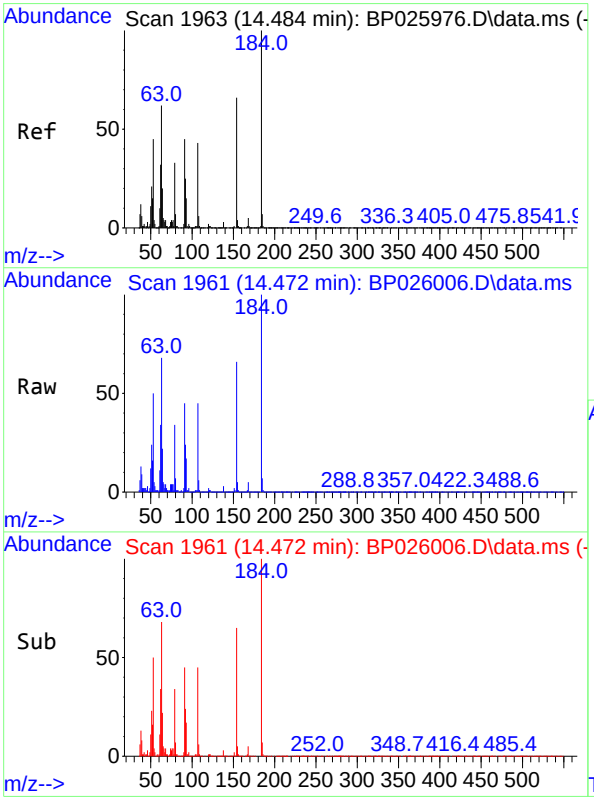
#53
3-Nitroaniline
Concen: 21.653 ng
RT: 14.260 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:138 Resp: 174760

Ion	Ratio	Lower	Upper
138	100		
108	11.7	10.0	15.0
92	121.1	96.1	144.1

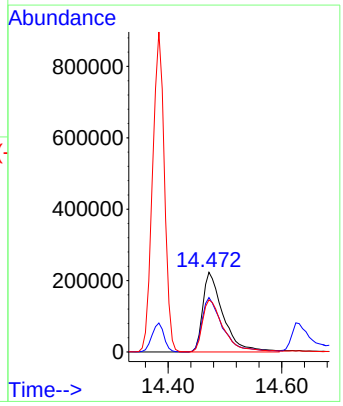


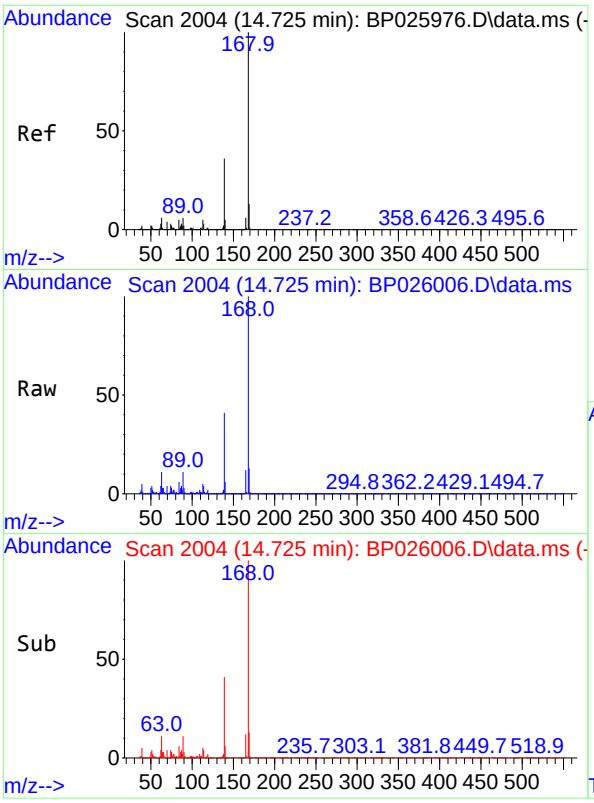


#54
2,4-Dinitrophenol
Concen: 99.141 ng
RT: 14.472 min Scan# 1961
Delta R.T. -0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:184 Resp: 553637

Ion	Ratio	Lower	Upper
184	100		
63	68.4	50.2	75.2
154	65.6	54.2	81.4



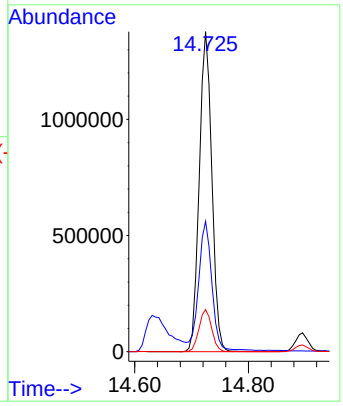


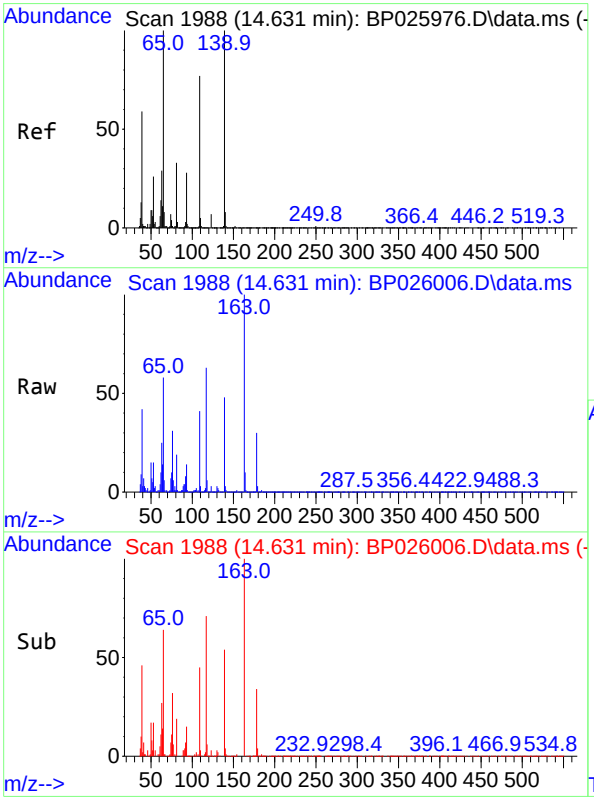
#55
Dibenzofuran
Concen: 48.257 ng
RT: 14.725 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:168 Resp: 2115851

Ion	Ratio	Lower	Upper
168	100		
139	40.8	30.5	45.7
169	13.2	10.6	15.8

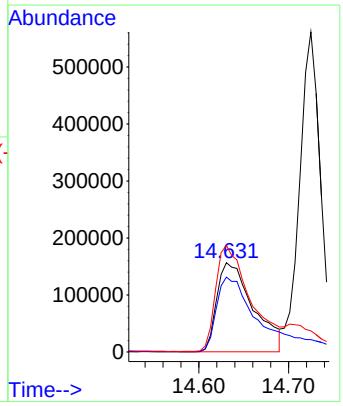


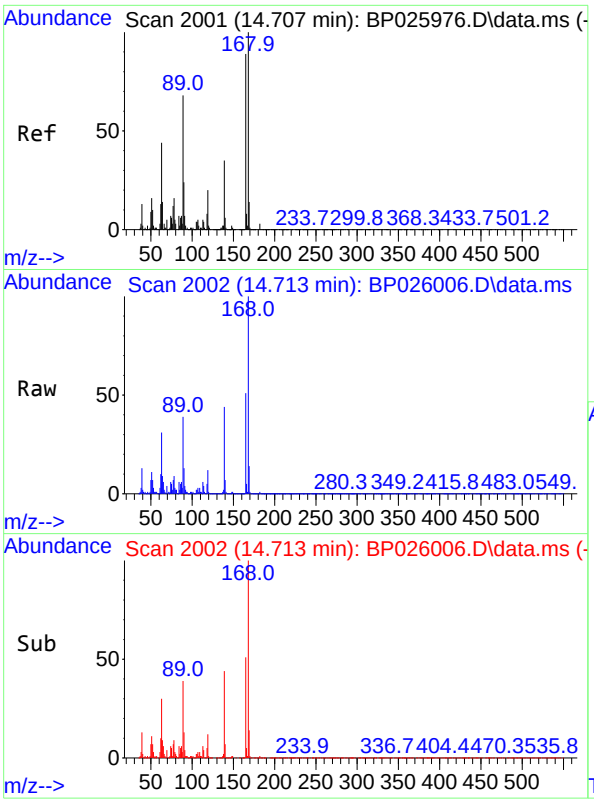


#56
4-Nitrophenol
Concen: 90.293 ng
RT: 14.631 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:139 Resp: 441953

Ion	Ratio	Lower	Upper
139	100		
109	84.0	57.6	97.6
65	119.5	81.4	121.4



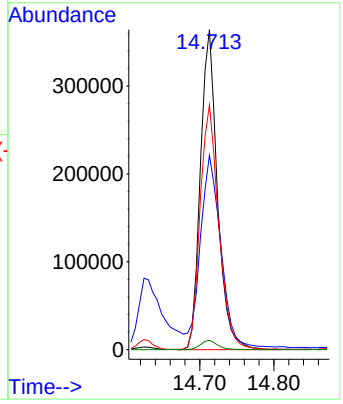


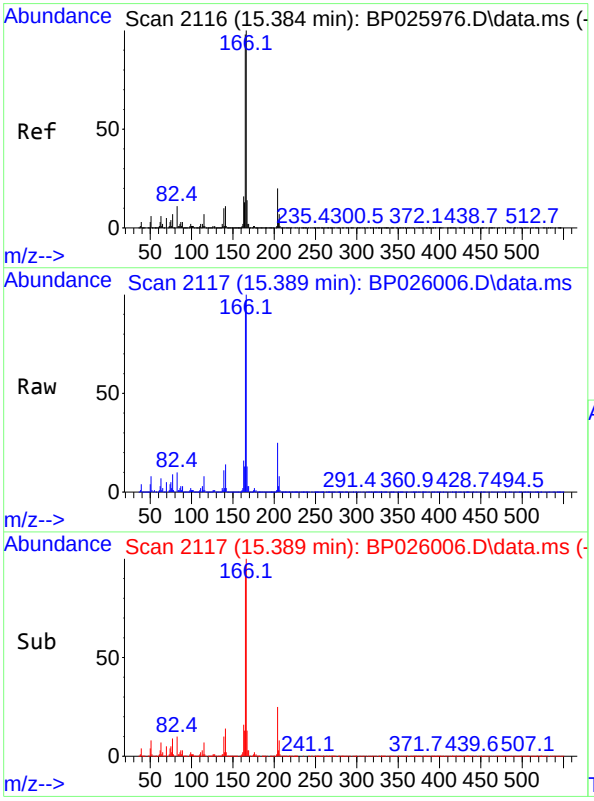
#57
2,4-Dinitrotoluene
Concen: 52.953 ng
RT: 14.713 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:165 Resp: 581412

Ion	Ratio	Lower	Upper
165	100		
63	60.8	41.8	62.6
89	76.5	61.6	92.4
182	2.9	2.4	3.6

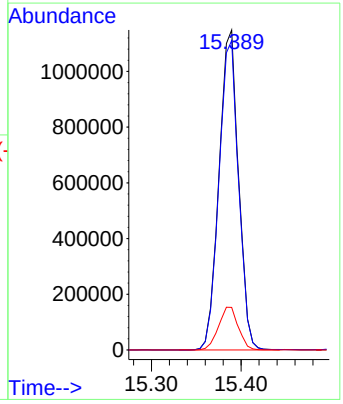


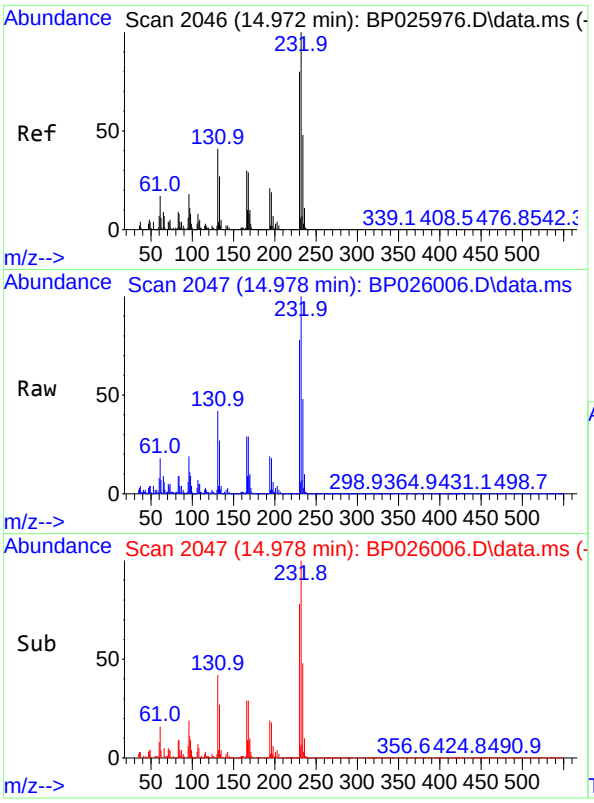


#58
Fluorene
Concen: 49.092 ng
RT: 15.389 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:166 Resp: 1729548

Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.2	117.2
167	13.3	10.8	16.2



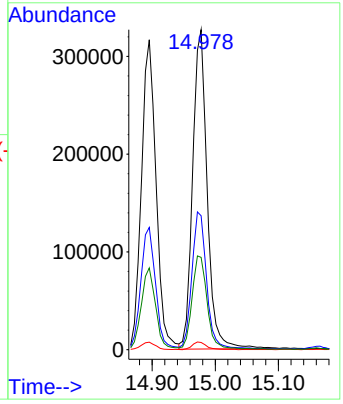


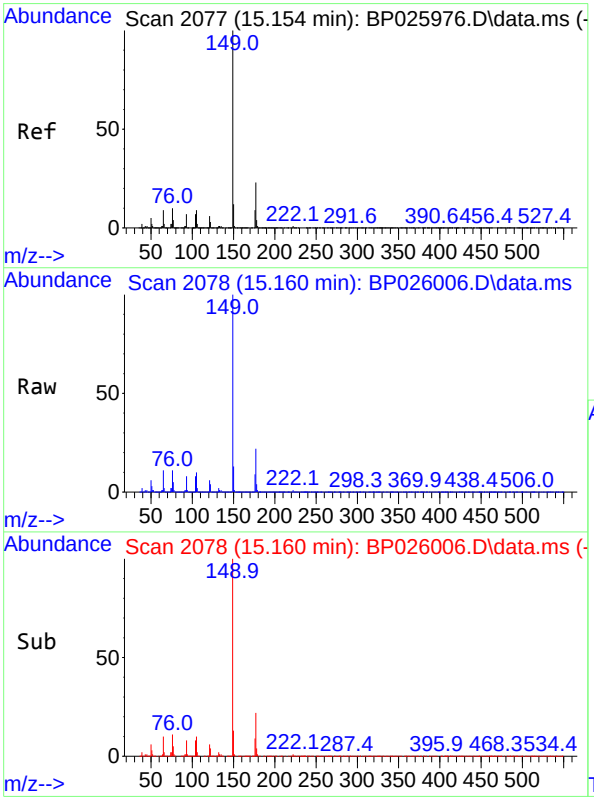
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.046 ng
RT: 14.978 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:232 Resp: 521900

Ion	Ratio	Lower	Upper
232	100		
131	43.5	33.8	50.8
130	2.4	1.8	2.8
166	29.7	23.7	35.5

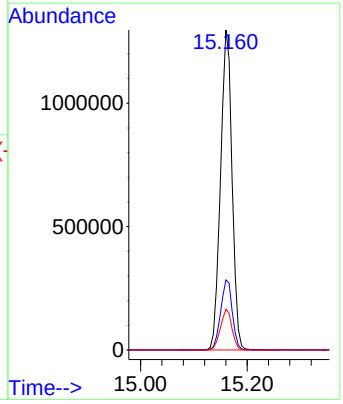


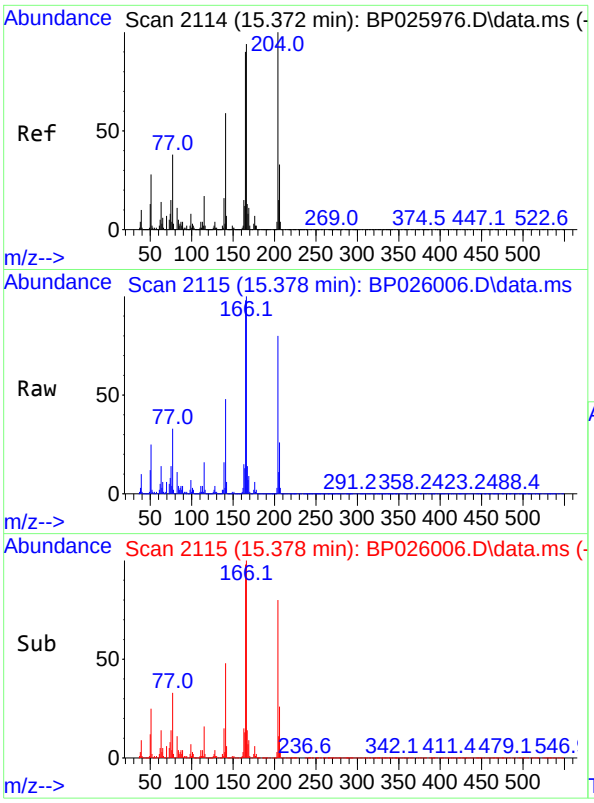


#60
Diethylphthalate
Concen: 52.316 ng
RT: 15.160 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:149 Resp: 1935931

Ion	Ratio	Lower	Upper
149	100		
177	21.9	18.2	27.2
150	12.7	9.8	14.6



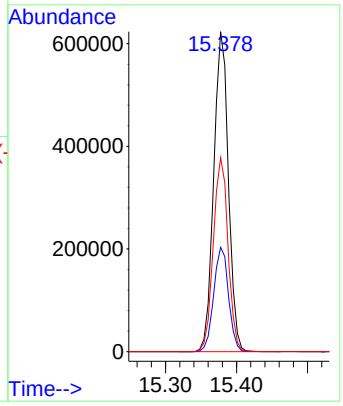


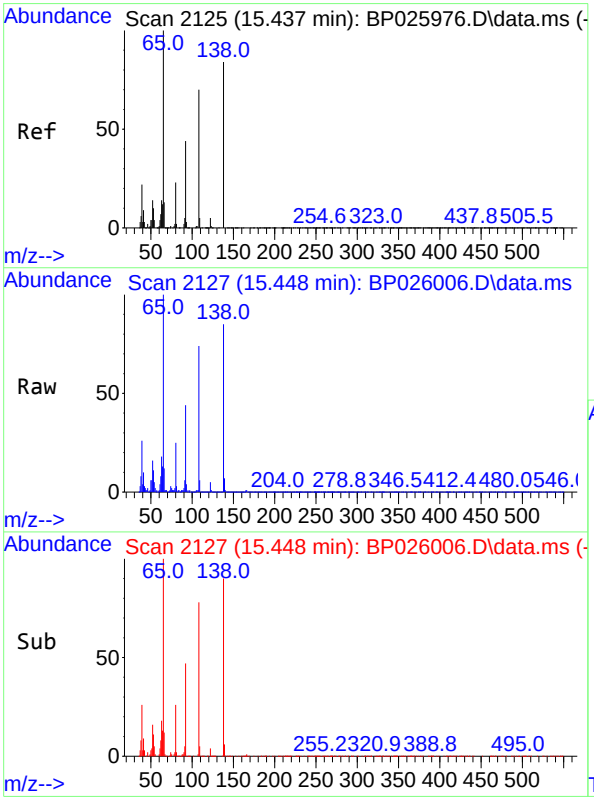
#61
4-Chlorophenyl-phenylether
Concen: 48.139 ng
RT: 15.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:204 Resp: 891830

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.5	39.7
141	60.6	47.2	70.8

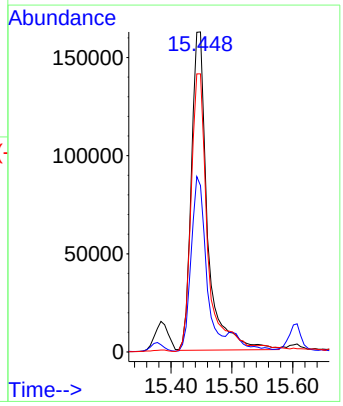


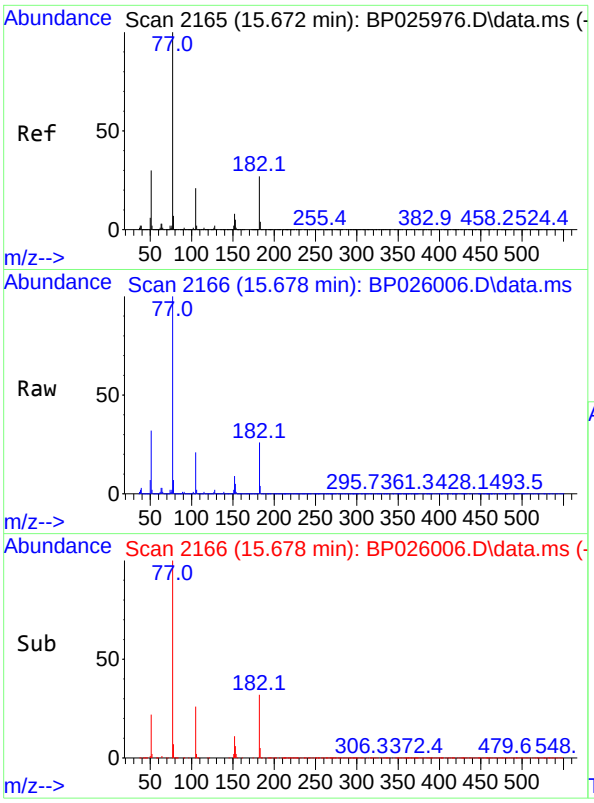


#62
4-Nitroaniline
Concen: 40.033 ng
RT: 15.448 min Scan# 2127
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:138 Resp: 299394

Ion	Ratio	Lower	Upper
138	100		
92	52.0	32.5	72.5
108	86.9	62.7	102.7



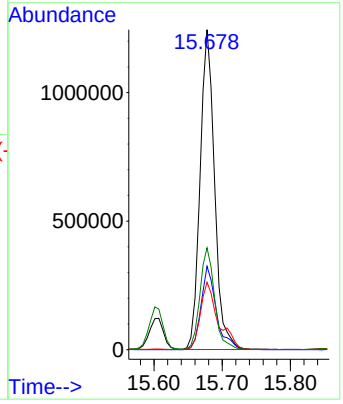


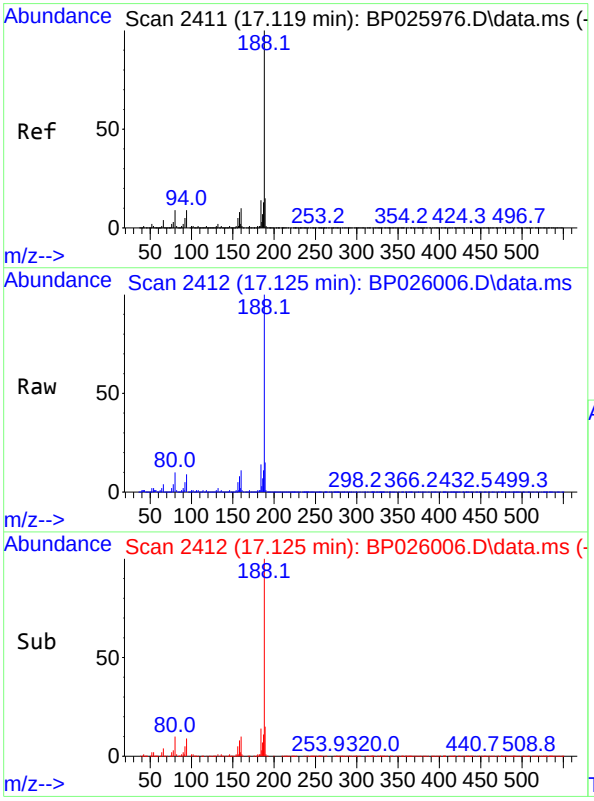
#63
Azobenzene
Concen: 53.116 ng
RT: 15.678 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion: 77 Resp: 1832052

Ion	Ratio	Lower	Upper
77	100		
182	26.0	6.6	46.6
105	21.0	1.3	41.3
51	31.9	10.1	50.1

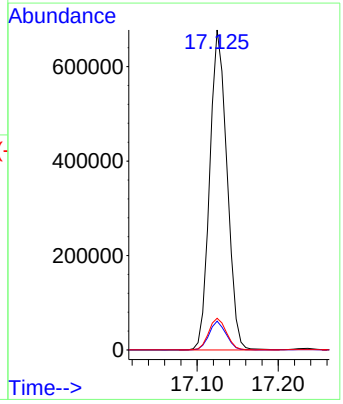


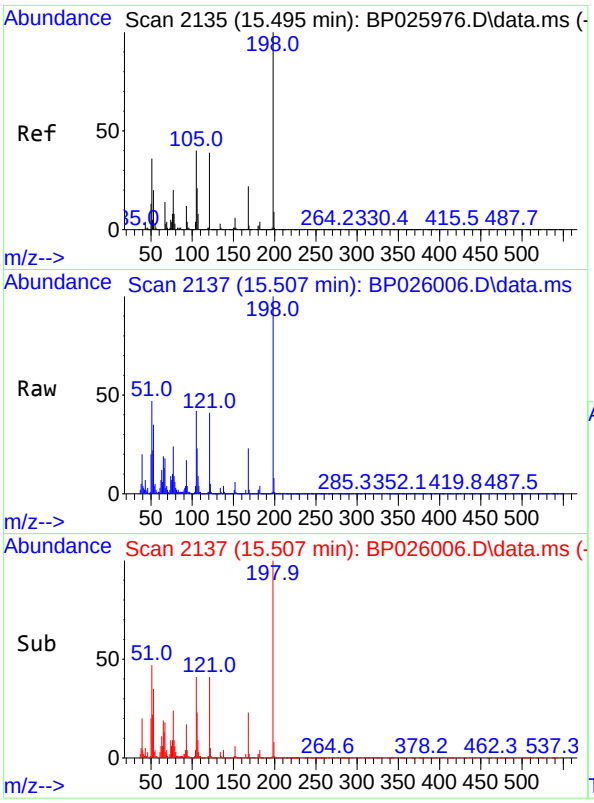


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:188 Resp: 1001023

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.8	10.2
80	9.9	7.2	10.8



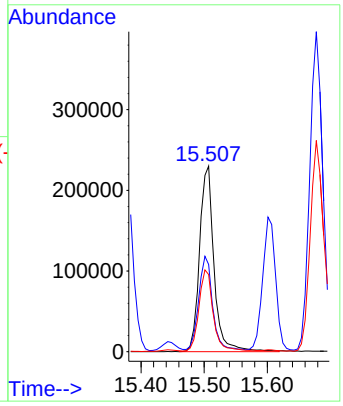


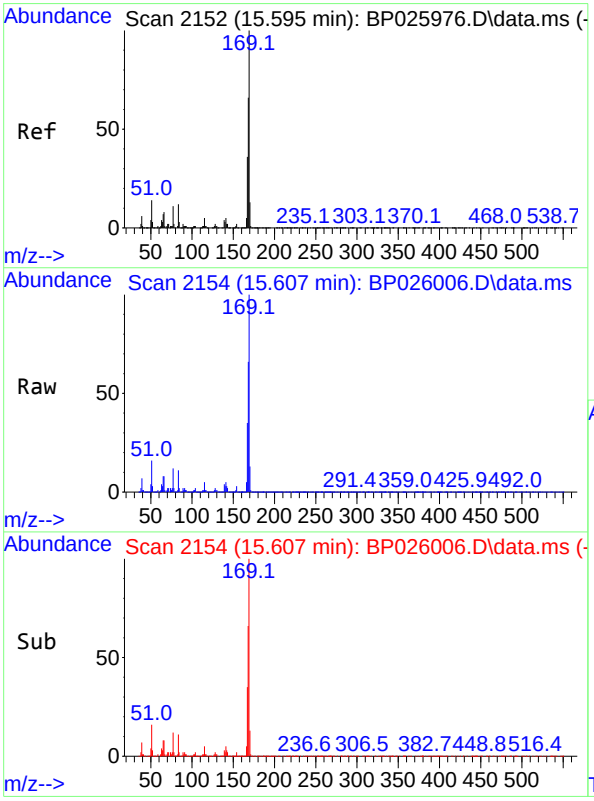
#65
4,6-Dinitro-2-methylphenol
Concen: 50.459 ng
RT: 15.507 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:198 Resp: 365062

Ion	Ratio	Lower	Upper
198	100		
51	46.9	22.1	62.1
105	41.5	20.8	60.8

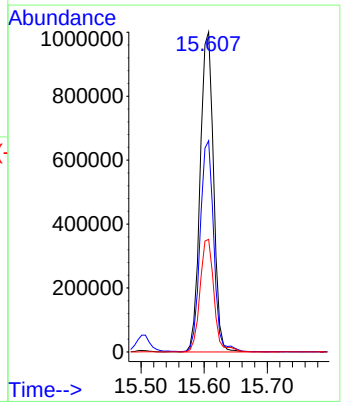


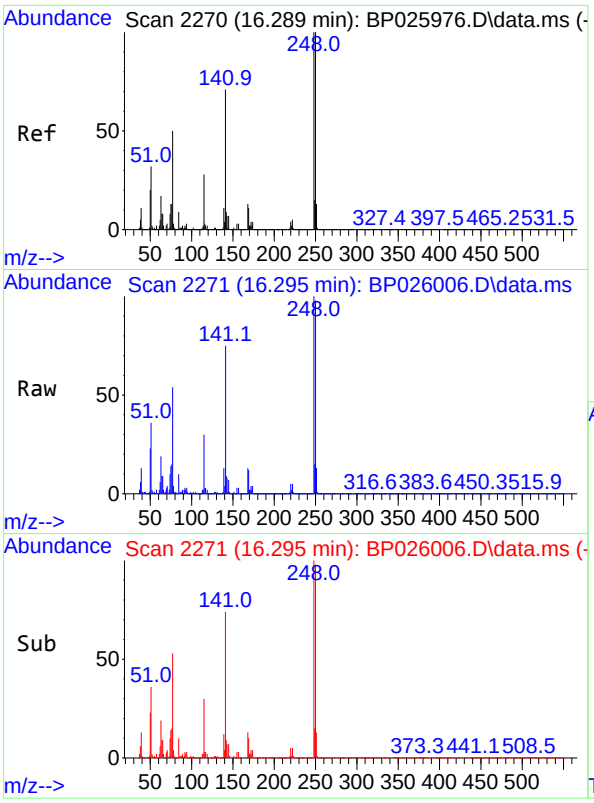


#66
n-Nitrosodiphenylamine
Concen: 45.585 ng
RT: 15.607 min Scan# 2154
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:169 Resp: 1468139

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.2	79.8
167	35.2	28.6	42.8



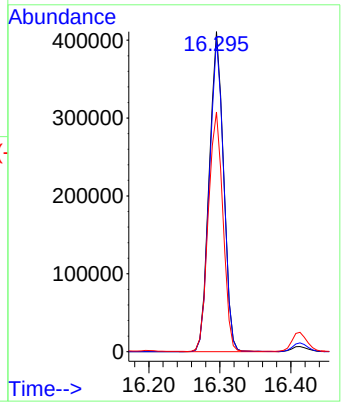


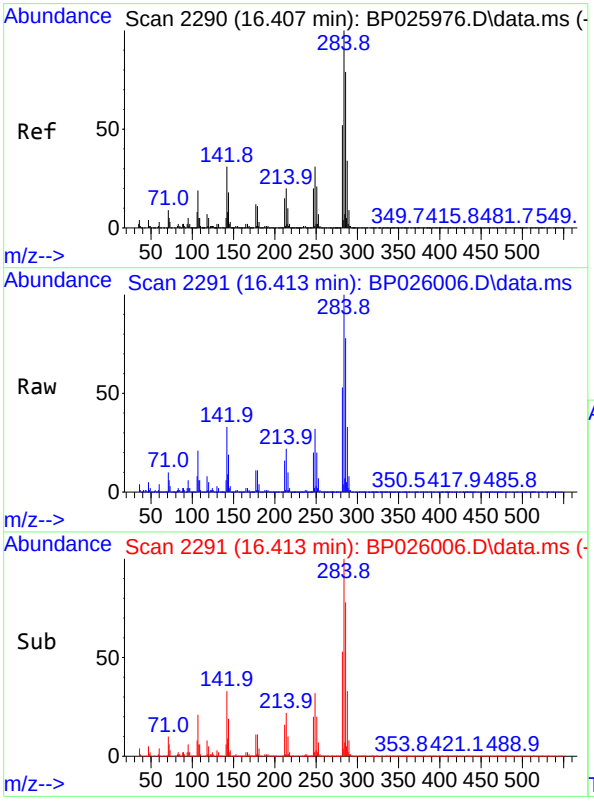
#67
4-Bromophenyl-phenylether
Concen: 46.559 ng
RT: 16.295 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:248 Resp: 575262

Ion	Ratio	Lower	Upper
248	100		
250	97.8	79.8	119.6
141	74.9	57.0	85.4

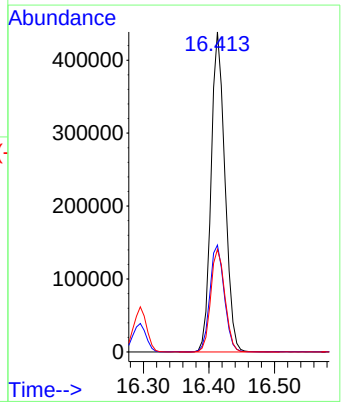


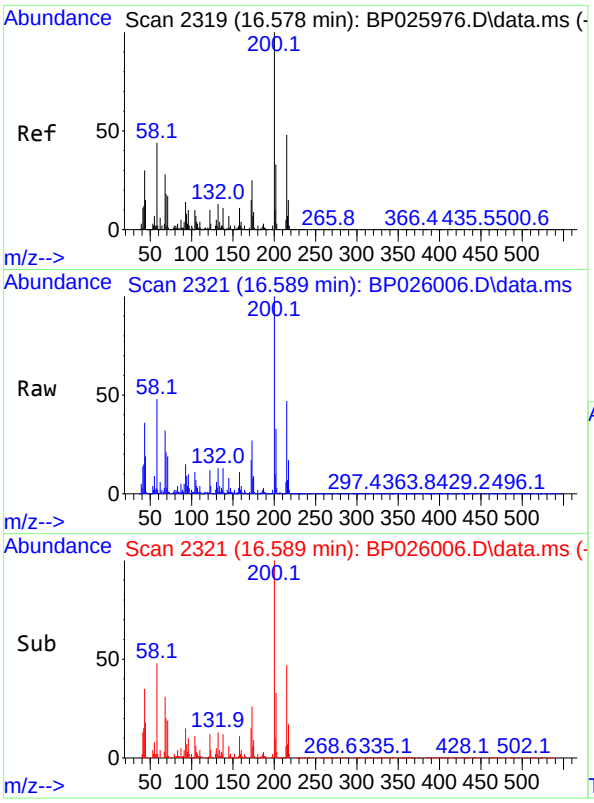


#68
Hexachlorobenzene
Concen: 46.336 ng
RT: 16.413 min Scan# 2291
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:284 Resp: 642258

Ion	Ratio	Lower	Upper
284	100		
142	33.4	24.9	37.3
249	32.0	25.1	37.7



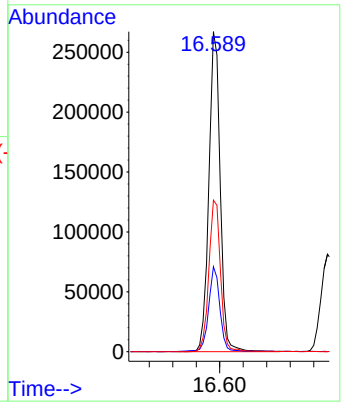


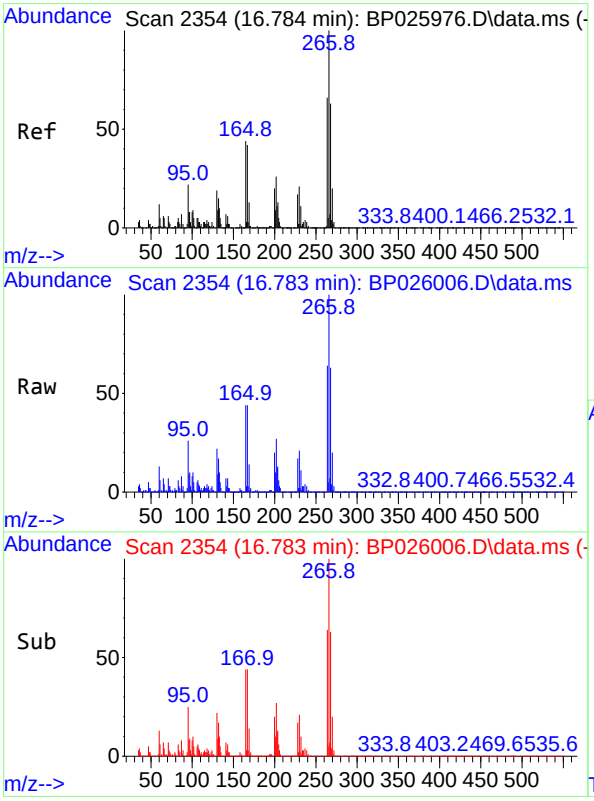
#69
Atrazine
Concen: 30.652 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:200 Resp: 356138

Ion	Ratio	Lower	Upper
200	100		
173	26.6	5.3	45.3
215	47.4	28.2	68.2

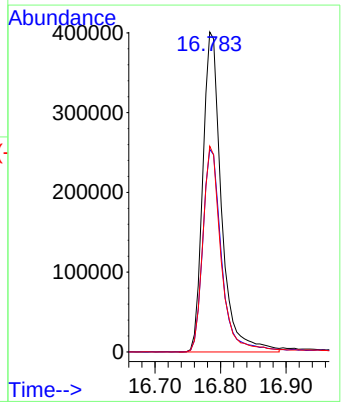


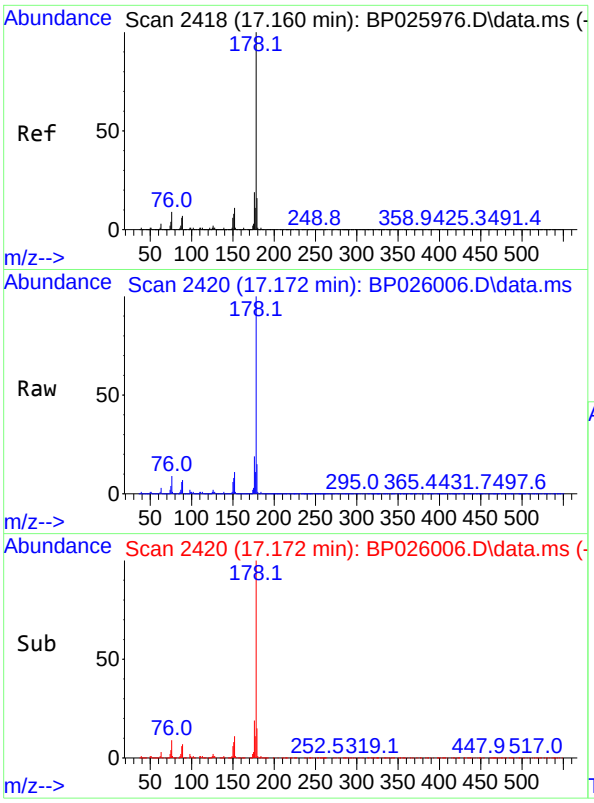


#70
Pentachlorophenol
Concen: 105.835 ng
RT: 16.783 min Scan# 2354
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:266 Resp: 791961

Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.5	75.7
264	64.3	52.9	79.3



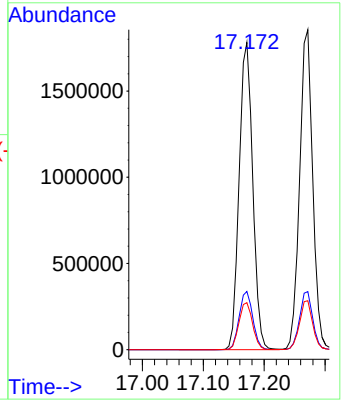


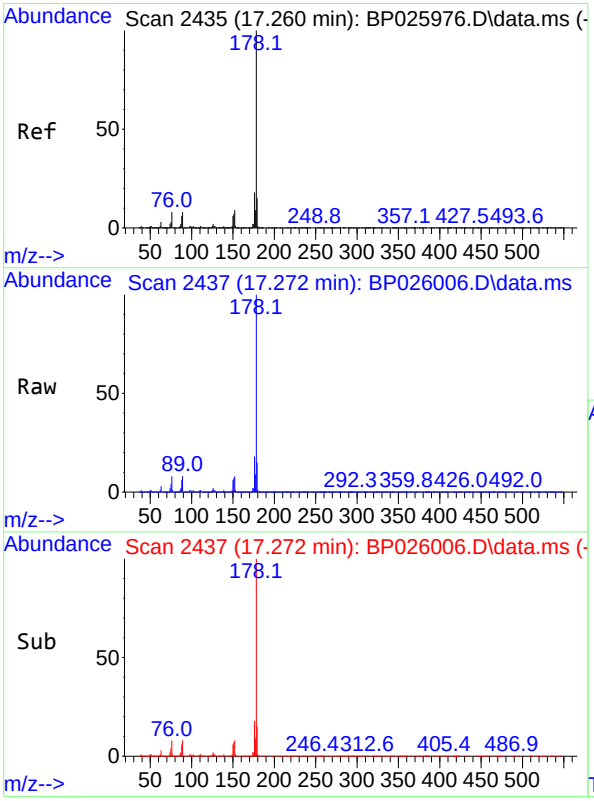
#71
Phenanthrene
Concen: 48.585 ng
RT: 17.172 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:178 Resp: 2756475

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.3	12.7	19.1

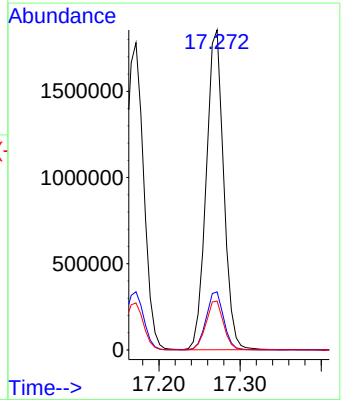


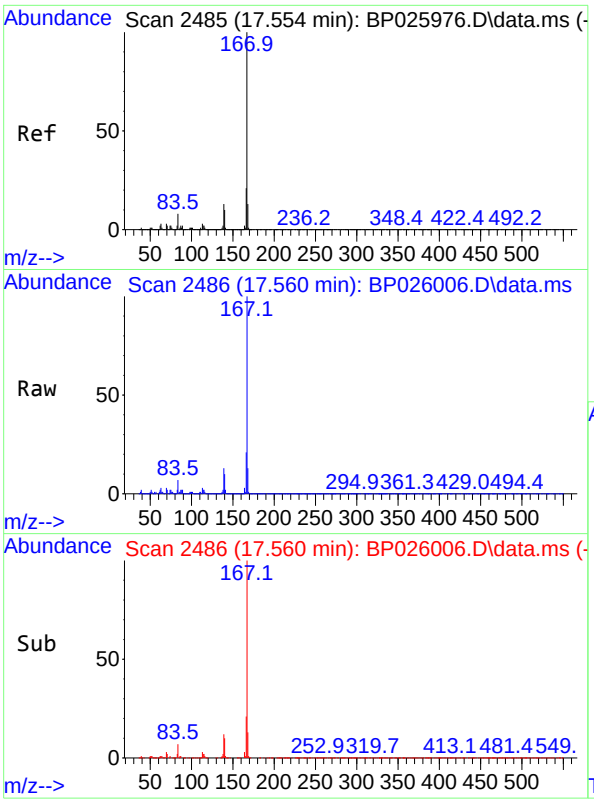


#72
Anthracene
Concen: 47.635 ng
RT: 17.272 min Scan# 2437
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:178 Resp: 2760620

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	15.3	12.3	18.5



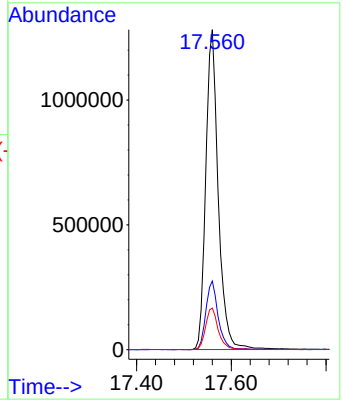


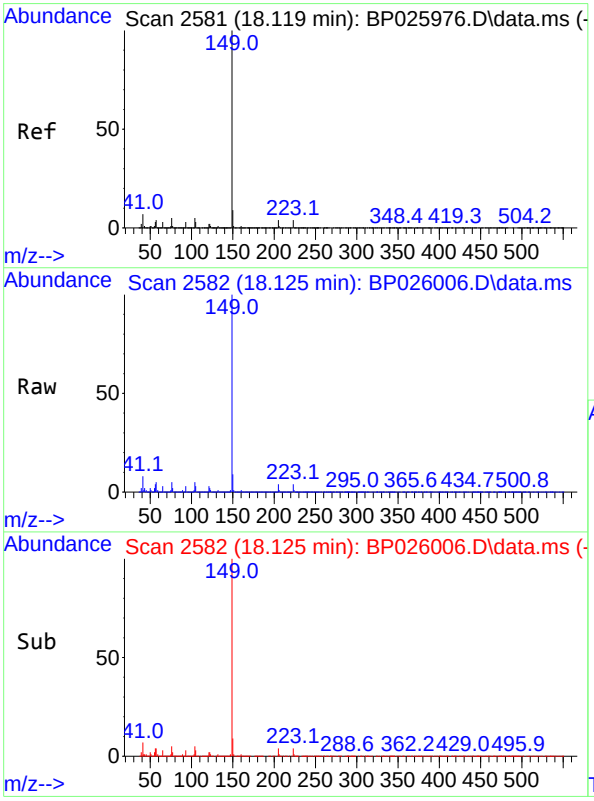
#73
Carbazole
Concen: 45.771 ng
RT: 17.560 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:167 Resp: 2338369

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.7	25.1
139	13.0	10.2	15.2

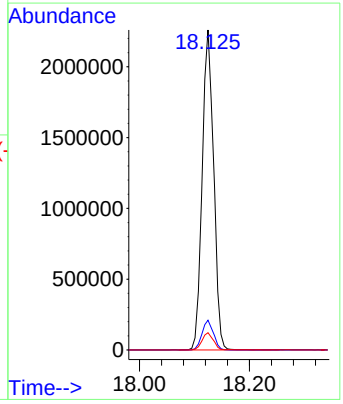


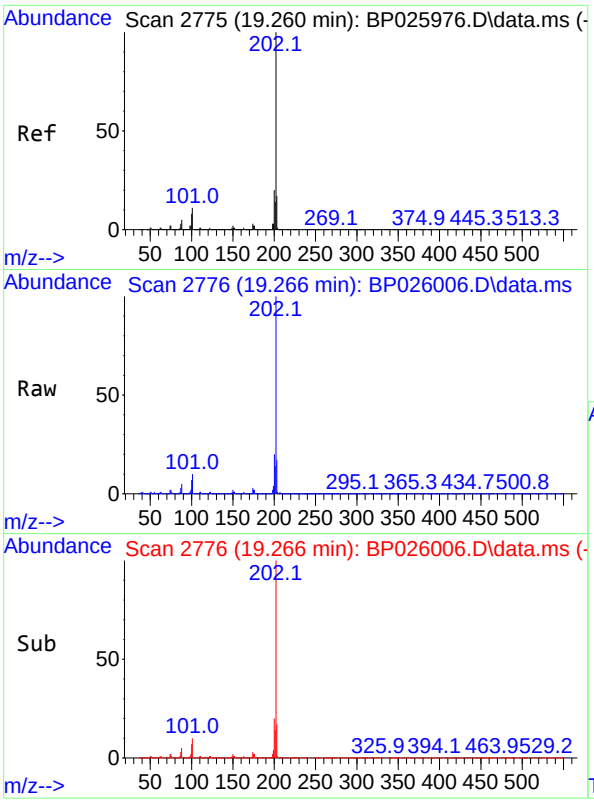


#74
Di-n-butylphthalate
Concen: 52.016 ng
RT: 18.125 min Scan# 2582
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:149 Resp: 3270329

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	5.4	4.1	6.1



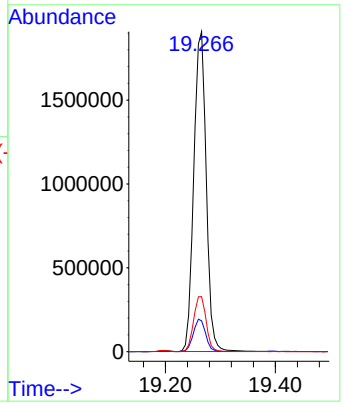


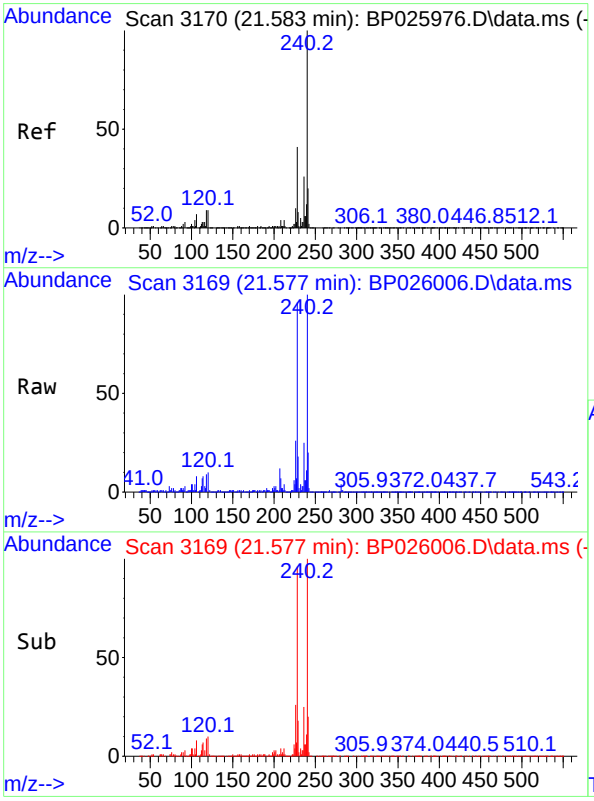
#75
Fluoranthene
Concen: 46.764 ng
RT: 19.266 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:202 Resp: 2992729

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.5
203	17.2	0.0	37.1

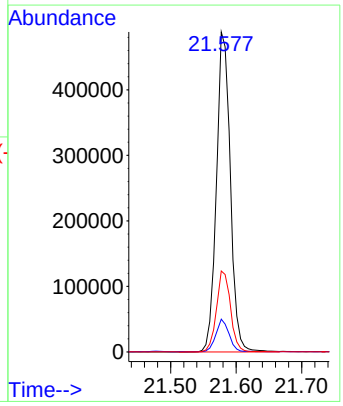


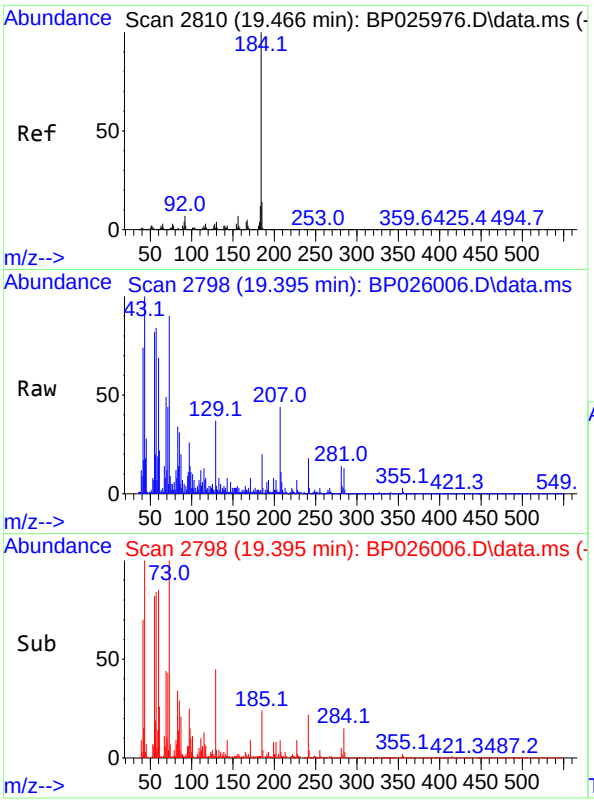


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:240 Resp: 716871

Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.4	11.0
236	25.3	20.4	30.6



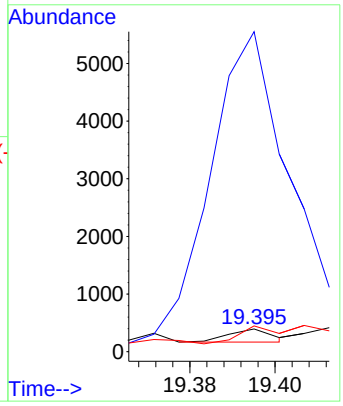


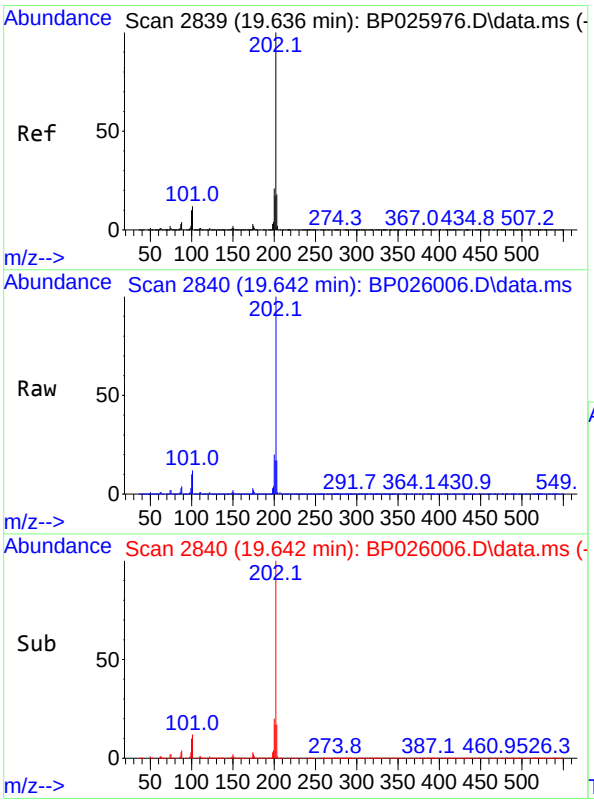
#77
Benzidine
Concen: 0.007 ng
RT: 19.395 min Scan# 2
Delta R.T. -0.071 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:184 Resp: 161

Ion	Ratio	Lower	Upper
184	100		
185	1413.0	11.4	17.0#
183	114.0	9.4	14.2#

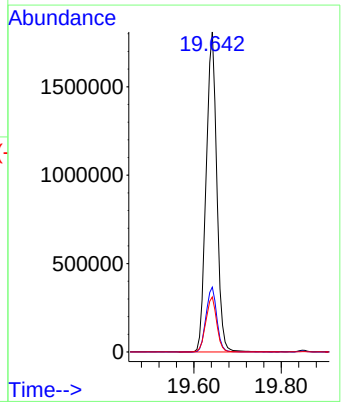


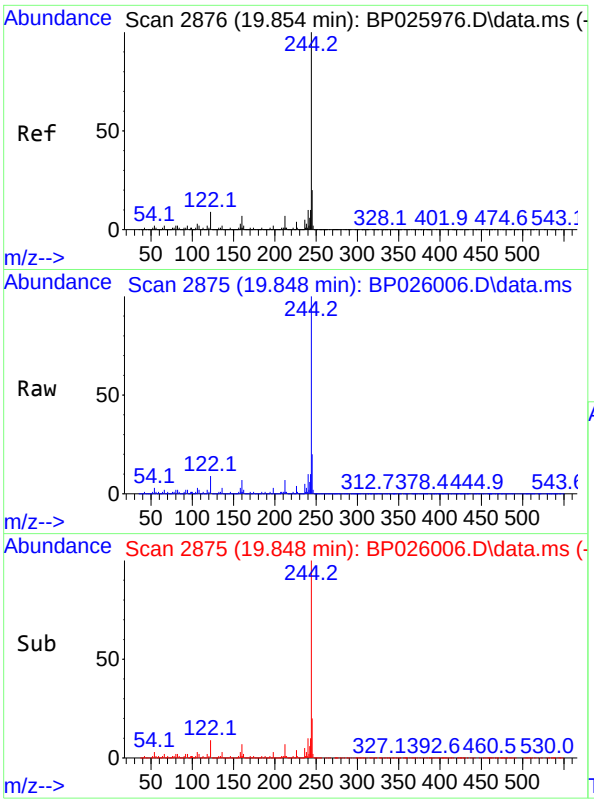


#78
Pyrene
Concen: 57.931 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:202 Resp: 3062999

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.6	25.0
203	17.2	14.1	21.1



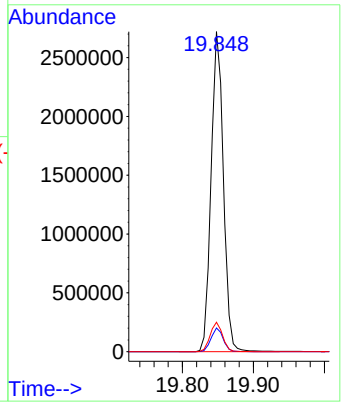


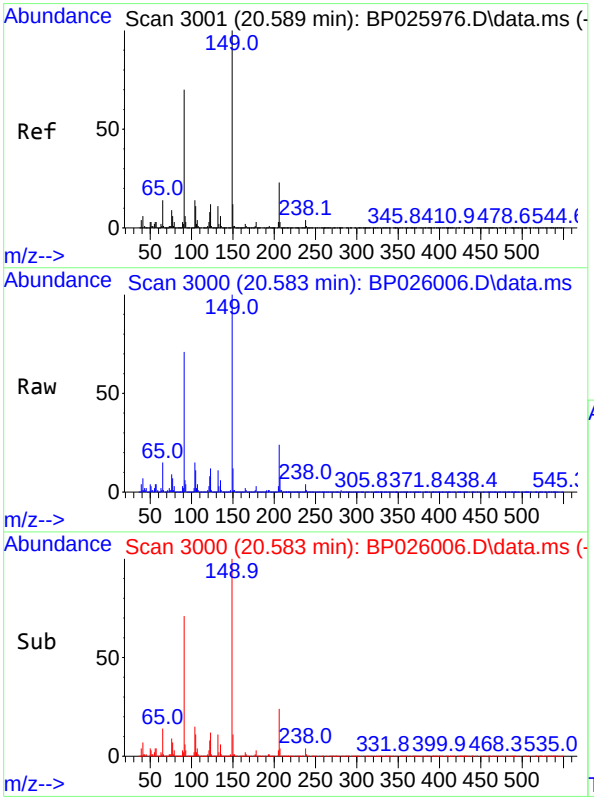
#79
Terphenyl-d14
Concen: 72.828 ng
RT: 19.848 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:244 Resp: 3266712

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	9.2	7.1	10.7

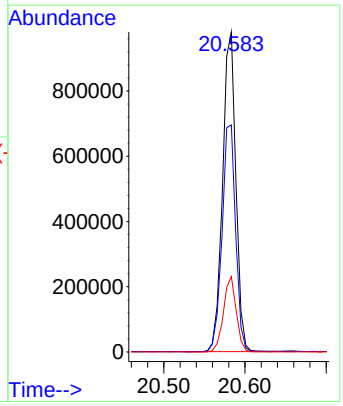


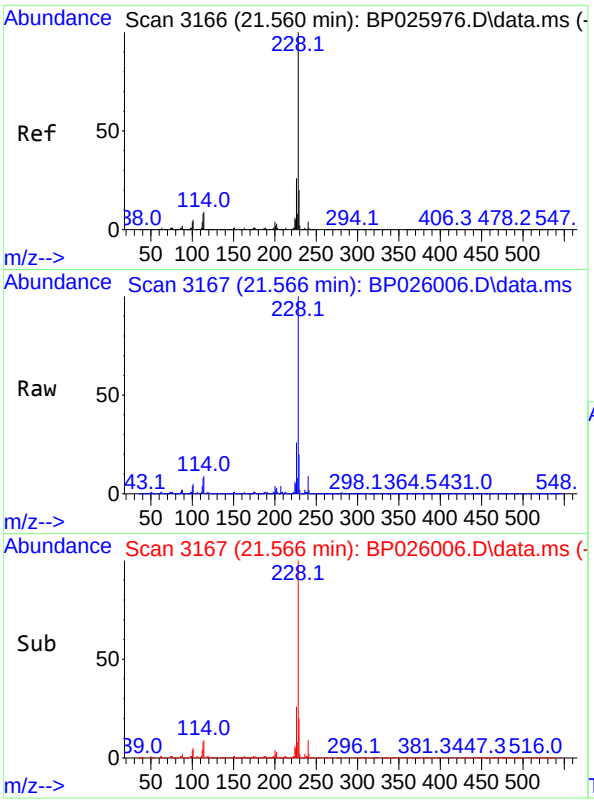


#80
Butylbenzylphthalate
Concen: 53.041 ng
RT: 20.583 min Scan# 3000
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:149 Resp: 1116023

Ion	Ratio	Lower	Upper
149	100		
91	71.0	56.0	84.0
206	23.6	18.6	27.8



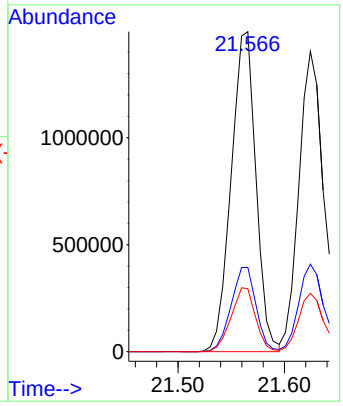


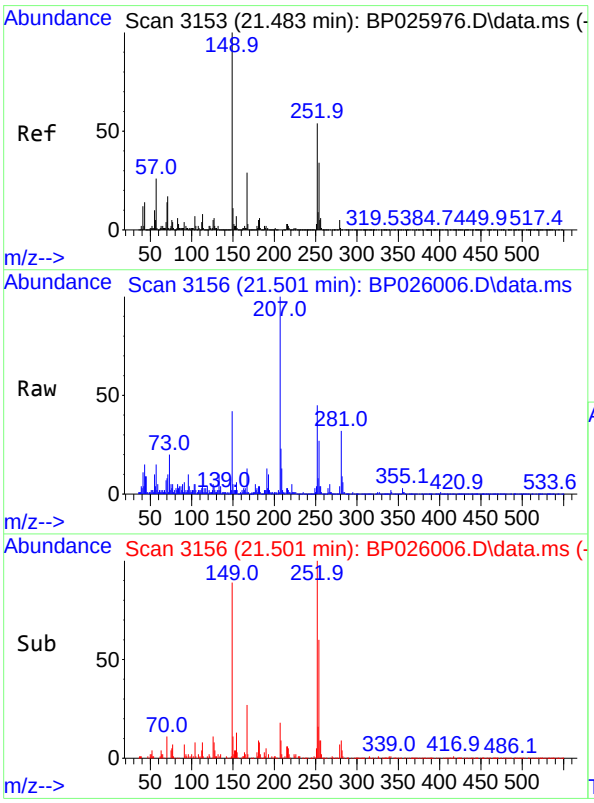
#81
Benzo(a)anthracene
Concen: 49.346 ng
RT: 21.566 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:228 Resp: 2419424

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.0	31.6
229	19.7	15.7	23.5

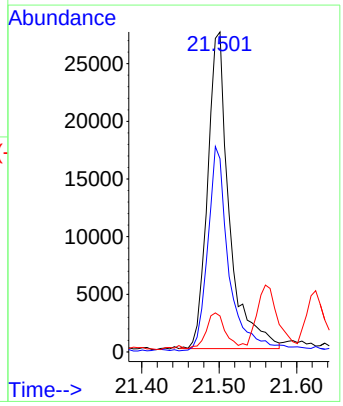


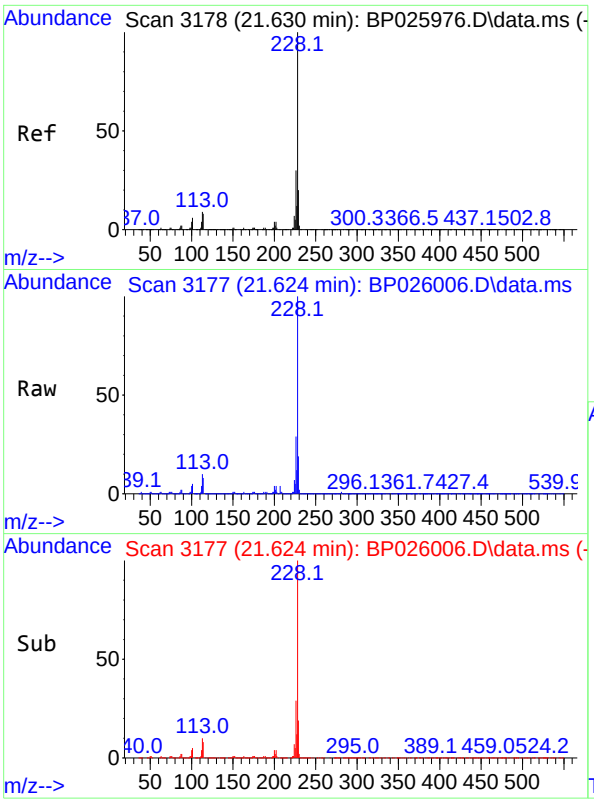


#82
3,3'-Dichlorobenzidine
Concen: 3.057 ng
RT: 21.501 min Scan# 3156
Delta R.T. 0.018 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:252 Resp: 53331

Ion	Ratio	Lower	Upper
252	100		
254	60.4	50.6	75.8
126	11.3	8.0	12.0



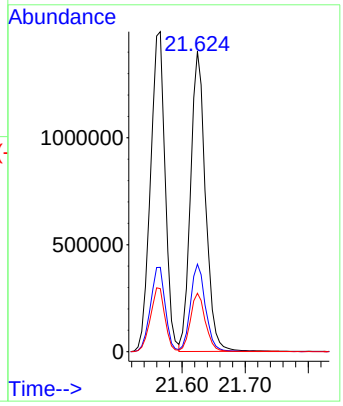


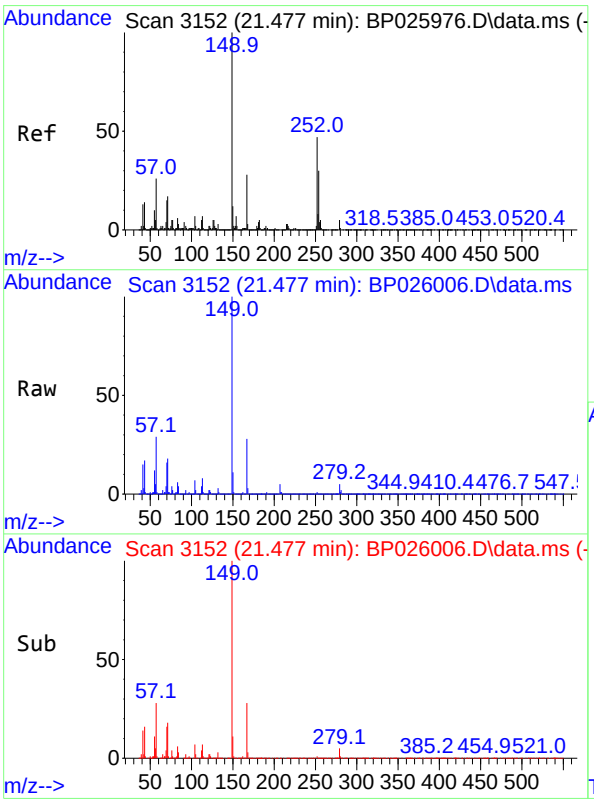
#83
Chrysene
Concen: 49.184 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:228 Resp: 2305774

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.5	35.3
229	19.4	15.6	23.4

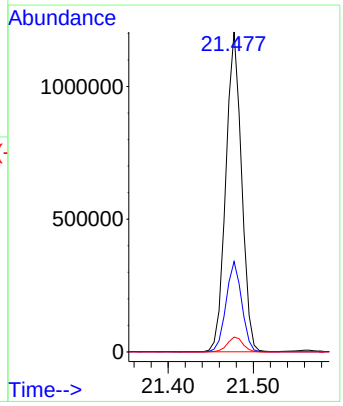


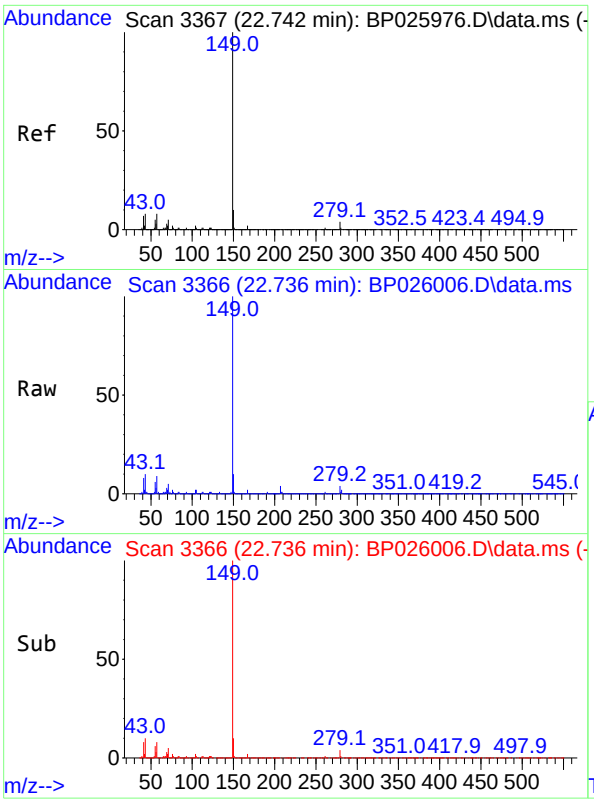


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.120 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:149 Resp: 1542995

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.8	34.2
279	4.7	3.8	5.8



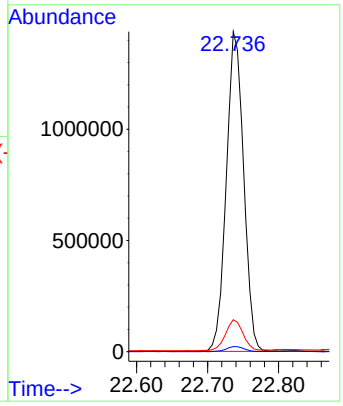


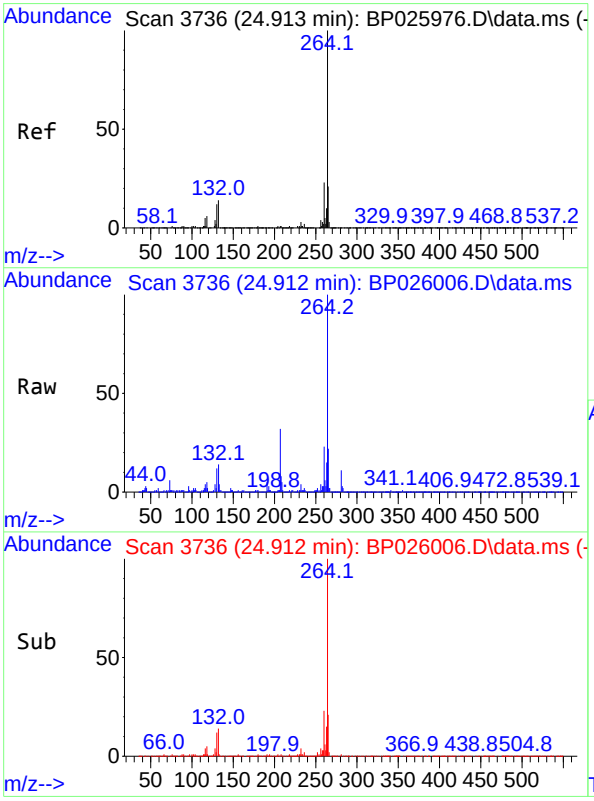
#85
Di-n-octyl phthalate
Concen: 49.074 ng
RT: 22.736 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:149 Resp: 2433968

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.9	7.2	10.8

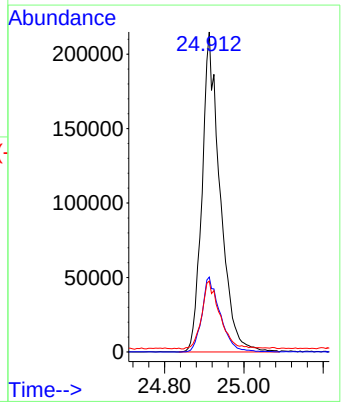


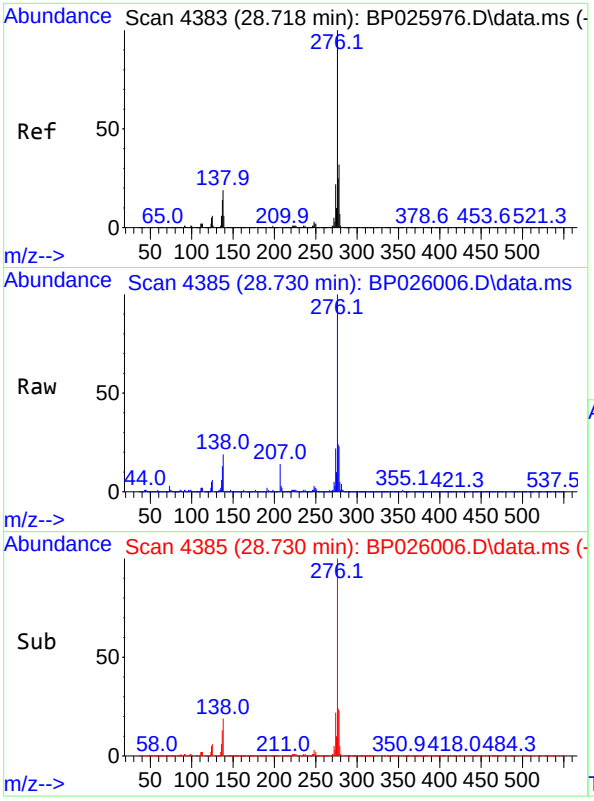


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.912 min Scan# 3736
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:264 Resp: 678648

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.4	27.6
265	22.1	17.7	26.5



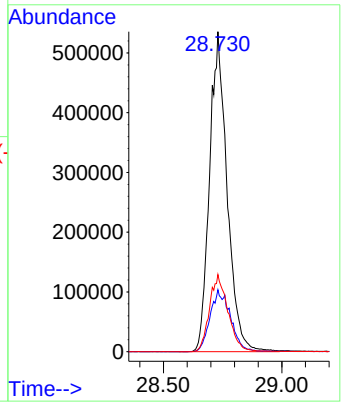


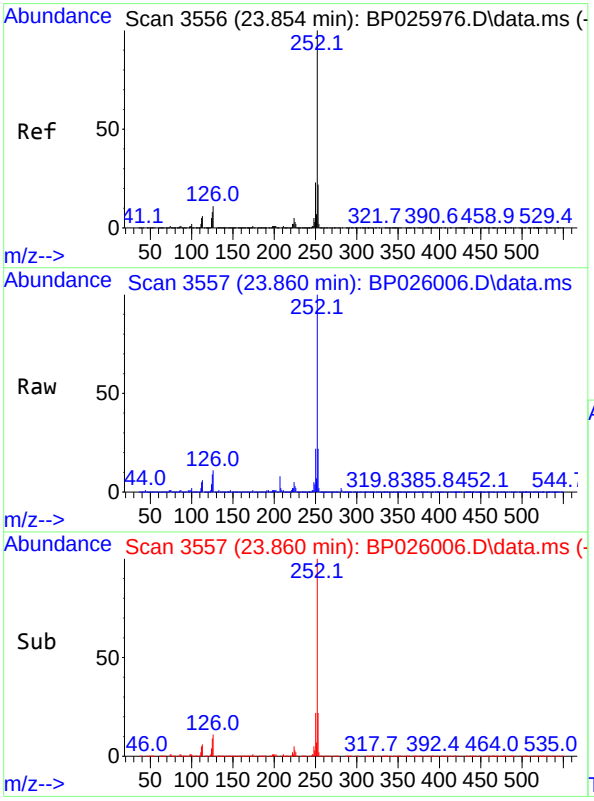
#87
Indeno(1,2,3-cd)pyrene
Concen: 53.928 ng
RT: 28.730 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:276 Resp: 2756863

Ion	Ratio	Lower	Upper
276	100		
138	22.3	17.4	26.0
277	25.3	20.3	30.5

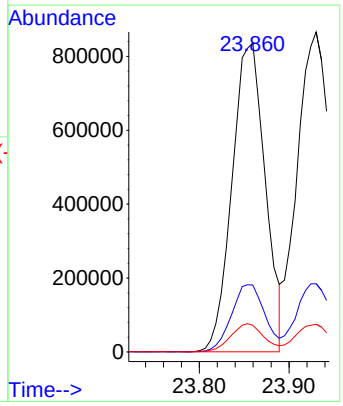


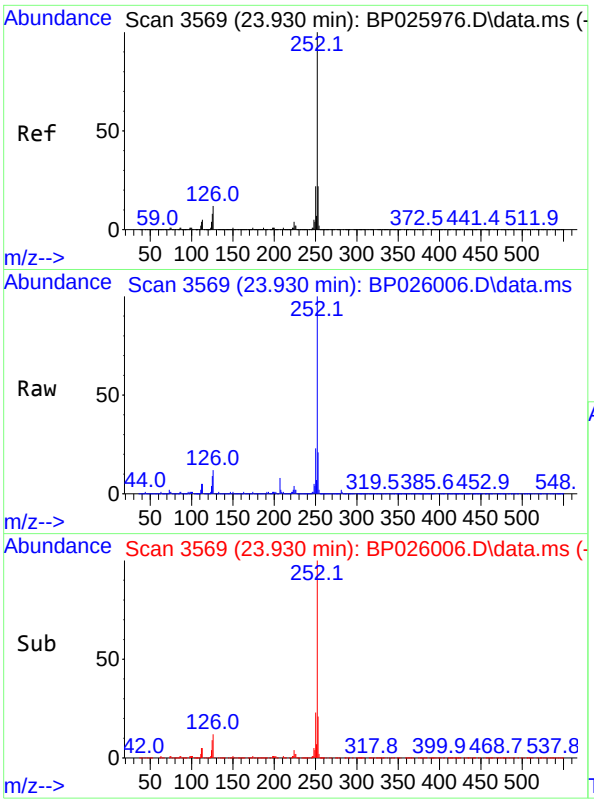


#88
Benzo(b)fluoranthene
Concen: 50.794 ng
RT: 23.860 min Scan# 3557
Delta R.T. 0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:252 Resp: 2146866

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	8.6	6.8	10.2



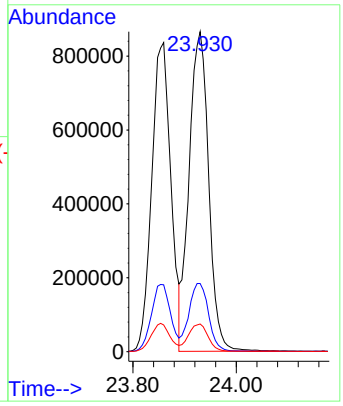


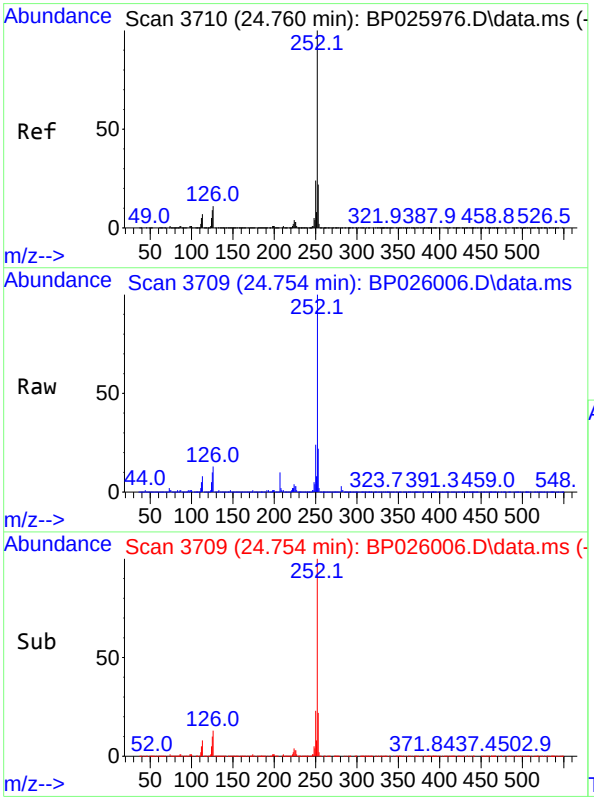
#89
Benzo(k)fluoranthene
Concen: 52.912 ng
RT: 23.930 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:252 Resp: 2269642

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	8.7	6.6	10.0

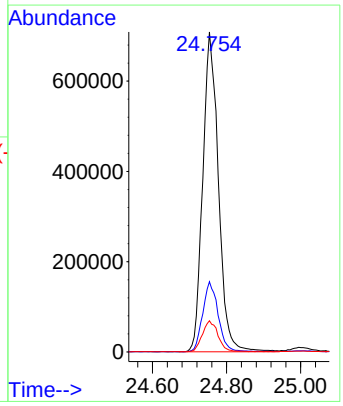


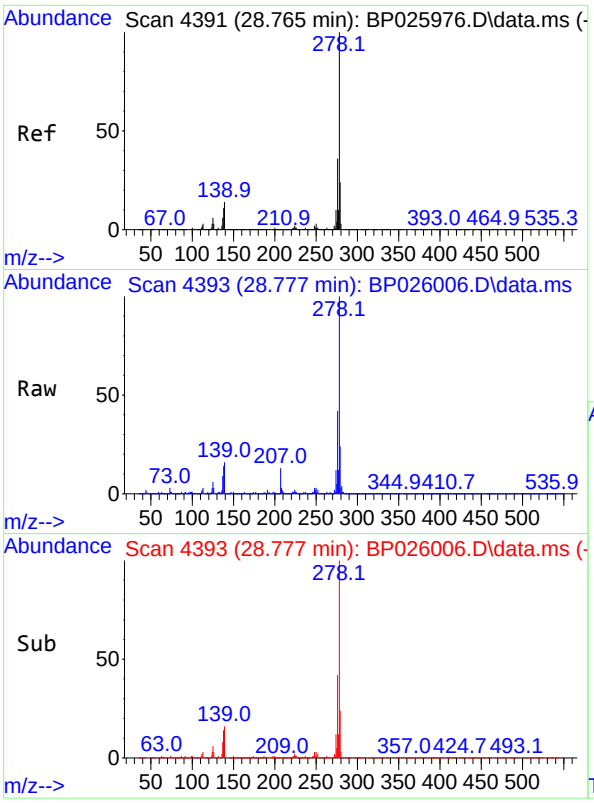


#90
Benzo(a)pyrene
Concen: 50.557 ng
RT: 24.754 min Scan# 3709
Delta R.T. -0.006 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:252 Resp: 2076204

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.7	7.4	11.2



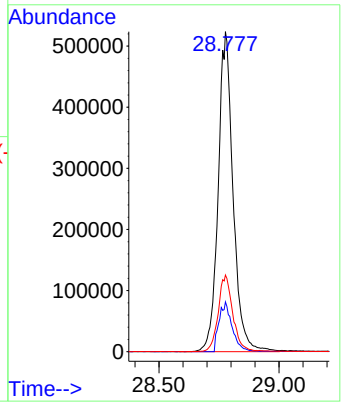


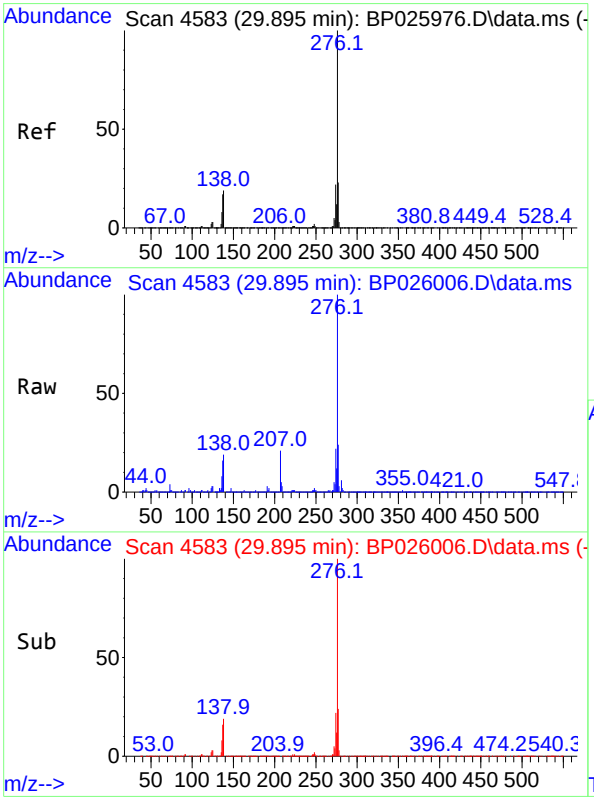
#91
Dibenzo(a,h)anthracene
Concen: 54.158 ng
RT: 28.777 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMS

Tgt Ion:278 Resp: 2256946

Ion	Ratio	Lower	Upper
278	100		
139	15.5	10.9	16.3
279	24.0	19.5	29.3

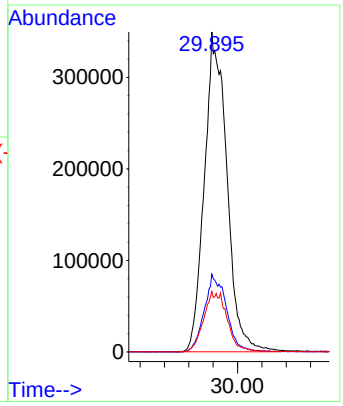




#92
Benzo(g,h,i)perylene
Concen: 54.841 ng
RT: 29.895 min Scan# 4583
Delta R.T. -0.000 min
Lab File: BP026006.D
Acq: 22 Oct 2025 19:58

Tgt Ion:276 Resp: 2239246

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	18.9	15.5	23.3



Raw Data: **BP026007.D**

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

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/16/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/16/25
Client Sample ID:	OUTSIDE-DUMPSTERMSD	SDG No.:	Q3399
Lab Sample ID:	Q3368-06MSD	Matrix:	TCLP
Analytical Method:	8270E Level : LOW	% Solid:	0
Sample Wt/Vol:	100 mL Final Vol: 1000 uL	Test:	TCLP BNA
Prep Method :	Prep Date: 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	340		1	12.8	50.0	ug/L	10/22/25 20:39	PB170216
106-46-7	1,4-Dichlorobenzene	390		1	5.30	50.0	ug/L	10/22/25 20:39	PB170216
95-48-7	2-Methylphenol	510		1	11.2	50.0	ug/L	10/22/25 20:39	PB170216
65794-96-9	3+4-Methylphenols	490		1	11.0	100	ug/L	10/22/25 20:39	PB170216
67-72-1	Hexachloroethane	390		1	6.50	50.0	ug/L	10/22/25 20:39	PB170216
98-95-3	Nitrobenzene	460		1	7.60	50.0	ug/L	10/22/25 20:39	PB170216
87-68-3	Hexachlorobutadiene	400		1	5.40	50.0	ug/L	10/22/25 20:39	PB170216
88-06-2	2,4,6-Trichlorophenol	500		1	5.10	50.0	ug/L	10/22/25 20:39	PB170216
95-95-4	2,4,5-Trichlorophenol	500		1	6.20	50.0	ug/L	10/22/25 20:39	PB170216
121-14-2	2,4-Dinitrotoluene	490		1	12.2	50.0	ug/L	10/22/25 20:39	PB170216
118-74-1	Hexachlorobenzene	470		1	5.20	50.0	ug/L	10/22/25 20:39	PB170216
87-86-5	Pentachlorophenol	980	E	1	15.8	100	ug/L	10/22/25 20:39	PB170216
SURROGATES									
367-12-4	2-Fluorophenol	145			23 - 138	97%	SPK: 150		
13127-88-3	Phenol-d6	137			10 - 134	91%	SPK: 150		
4165-60-0	Nitrobenzene-d5	83.9			67 - 132	84%	SPK: 100		
321-60-8	2-Fluorobiphenyl	76.9			52 - 132	77%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	125			44 - 137	83%	SPK: 150		
1718-51-0	Terphenyl-d14	66.0			42 - 152	66%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	161000							
1146-65-2	Naphthalene-d8	704000							
15067-26-2	Acenaphthene-d10	488000							
1517-22-2	Phenanthrene-d10	881000							
1719-03-5	Chrysene-d12	591000							
1520-96-3	Perylene-d12	690000							

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\BP102225\
Data File : BP026007.D
Acq On : 22 Oct 2025 20:39
Operator : RC/JU
Sample : Q3368-06MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Quant Time: Oct 23 10:40:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.696	152	161283	20.000	ng		0.00
21) Naphthalene-d8	10.454	136	704129	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	487784	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	880724	20.000	ng		0.00
76) Chrysene-d12	21.577	240	591108	20.000	ng		0.00
86) Perylene-d12	24.918	264	690323	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.337	112	1428959	145.261	ng		0.00
7) Phenol-d6	6.907	99	1878998	136.873	ng		0.00
23) Nitrobenzene-d5	8.849	82	1315034	83.945	ng		0.00
42) 2,4,6-Tribromophenol	15.848	330	821262	125.064	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	2927899	76.935	ng		0.00
79) Terphenyl-d14	19.854	244	2439541	65.958	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.261	88	136372	34.998	ng		94
3) Pyridine	3.672	79	370402	34.064	ng		96
4) n-Nitrosodimethylamine	3.566	42	212330	44.558	ng		89
6) Aniline	7.043	93	252376	13.732	ng		95
8) 2-Chlorophenol	7.278	128	550372	48.277	ng		96
9) Benzaldehyde	6.866	77	159235	21.737	ng		97
10) Phenol	6.937	94	675090	48.706	ng		97
11) bis(2-Chloroethyl)ether	7.131	93	492159	43.547	ng		97
12) 1,3-Dichlorobenzene	7.590	146	484562	38.338	ng		99
13) 1,4-Dichlorobenzene	7.731	146	502484	39.020	ng		99
14) 1,2-Dichlorobenzene	8.043	146	494044	39.217	ng		98
15) Benzyl Alcohol	7.954	79	587249	50.258	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.207	45	798583	45.886	ng		99
17) 2-Methylphenol	8.160	107	507348	51.068	ng		98
18) Hexachloroethane	8.749	117	190036	38.671	ng		95
19) n-Nitroso-di-n-propyla...	8.496	70	459300	46.932	ng		95
20) 3+4-Methylphenols	8.496	107	681150	49.207	ng	#	88
22) Acetophenone	8.513	105	933511	48.766	ng	#	95
24) Nitrobenzene	8.890	77	642272	46.104	ng		99
25) Isophorone	9.413	82	1309580	46.545	ng		99
26) 2-Nitrophenol	9.590	139	313001	46.394	ng		96
27) 2,4-Dimethylphenol	9.666	122	586725	51.321	ng		97
28) bis(2-Chloroethoxy)met...	9.878	93	782707	47.556	ng		98
29) 2,4-Dichlorophenol	10.154	162	593363	52.089	ng		99
30) 1,2,4-Trichlorobenzene	10.325	180	542915	42.098	ng		98
31) Naphthalene	10.507	128	1651949	43.491	ng		99
32) Benzoic acid	9.901	122	458873	55.390	ng		98
33) 4-Chloroaniline	10.660	127	111645	6.921	ng		99
34) Hexachlorobutadiene	10.784	225	342915	40.178	ng		99
35) Caprolactam	11.466	113	169099	41.714	ng		93
36) 4-Chloro-3-methylphenol	11.790	107	689325	51.543	ng		97
37) 2-Methylnaphthalene	12.119	142	1153623	46.388	ng		99
38) 1-Methylnaphthalene	12.342	142	1204332	45.911	ng		99
40) 1,2,4,5-Tetrachloroben...	12.495	216	783695	49.340	ng		99
41) Hexachlorocyclopentadiene	12.466	237	712398	76.357	ng		99
43) 2,4,6-Trichlorophenol	12.754	196	507072	50.295	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102225\
Data File : BP026007.D
Acq On : 22 Oct 2025 20:39
Operator : RC/JU
Sample : Q3368-06MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Quant Time: Oct 23 10:40:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.854	196	548401	49.952	ng		96
46) 1,1'-Biphenyl	13.142	154	1904987	51.700	ng		99
47) 2-Chloronaphthalene	13.190	162	1339377	46.490	ng		99
48) 2-Nitroaniline	13.407	65	443601	49.403	ng		95
49) Acenaphthylene	14.042	152	2208064	47.400	ng		100
50) Dimethylphthalate	13.772	163	1750415	47.476	ng		100
51) 2,6-Dinitrotoluene	13.907	165	385612	48.440	ng		94
52) Acenaphthene	14.384	154	1223610	45.488	ng		100
53) 3-Nitroaniline	14.266	138	144809	18.264	ng		99
54) 2,4-Dinitrophenol	14.472	184	470818	86.553	ng		94
55) Dibenzofuran	14.731	168	2043677	47.447	ng		98
56) 4-Nitrophenol	14.642	139	313584	65.216	ng		92
57) 2,4-Dinitrotoluene	14.713	165	525129	48.684	ng		96
58) Fluorene	15.389	166	1629250	47.074	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.978	232	475357	48.255	ng		99
60) Diethylphthalate	15.154	149	1742990	47.947	ng		99
61) 4-Chlorophenyl-phenyle...	15.378	204	841824	46.254	ng		98
62) 4-Nitroaniline	15.436	138	254442	34.633	ng		96
63) Azobenzene	15.678	77	1673511	49.390	ng		97
65) 4,6-Dinitro-2-methylph...	15.495	198	314104	49.345	ng		91
66) n-Nitrosodiphenylamine	15.601	169	1357411	47.904	ng		100
67) 4-Bromophenyl-phenylether	16.295	248	525764	48.366	ng		97
68) Hexachlorobenzene	16.419	284	577720	47.373	ng		98
69) Atrazine	16.589	200	296399	28.995	ng		100
70) Pentachlorophenol	16.783	266	643744	97.778	ng		98
71) Phenanthrene	17.172	178	2369856	47.476	ng		99
72) Anthracene	17.272	178	2416227	47.387	ng		99
73) Carbazole	17.560	167	1877361	41.767	ng		99
74) Di-n-butylphthalate	18.130	149	2539727	45.913	ng		99
75) Fluoranthene	19.260	202	2328393	41.353	ng		99
77) Benzidine	19.448	184	152	0.008	ng	#	1
78) Pyrene	19.642	202	2318029	53.169	ng		100
80) Butylbenzylphthalate	20.577	149	866358	49.936	ng		96
81) Benzo(a)anthracene	21.560	228	1968705	48.696	ng		100
82) 3,3'-Dichlorobenzidine	21.495	252	62491	4.344	ng		99
83) Chrysene	21.624	228	1875975	48.530	ng		100
84) Bis(2-ethylhexyl)phtha...	21.477	149	1224928	51.142	ng		99
85) Di-n-octyl phthalate	22.742	149	2189912	53.547	ng		97
87) Indeno(1,2,3-cd)pyrene	28.724	276	2788187	53.618	ng		99
88) Benzo(b)fluoranthene	23.854	252	2080890	48.401	ng		99
89) Benzo(k)fluoranthene	23.924	252	2148875	49.249	ng		99
90) Benzo(a)pyrene	24.754	252	2019911	48.354	ng		99
91) Dibenzo(a,h)anthracene	28.771	278	2303702	54.345	ng		99
92) Benzo(g,h,i)perylene	29.900	276	2257199	54.346	ng		99

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

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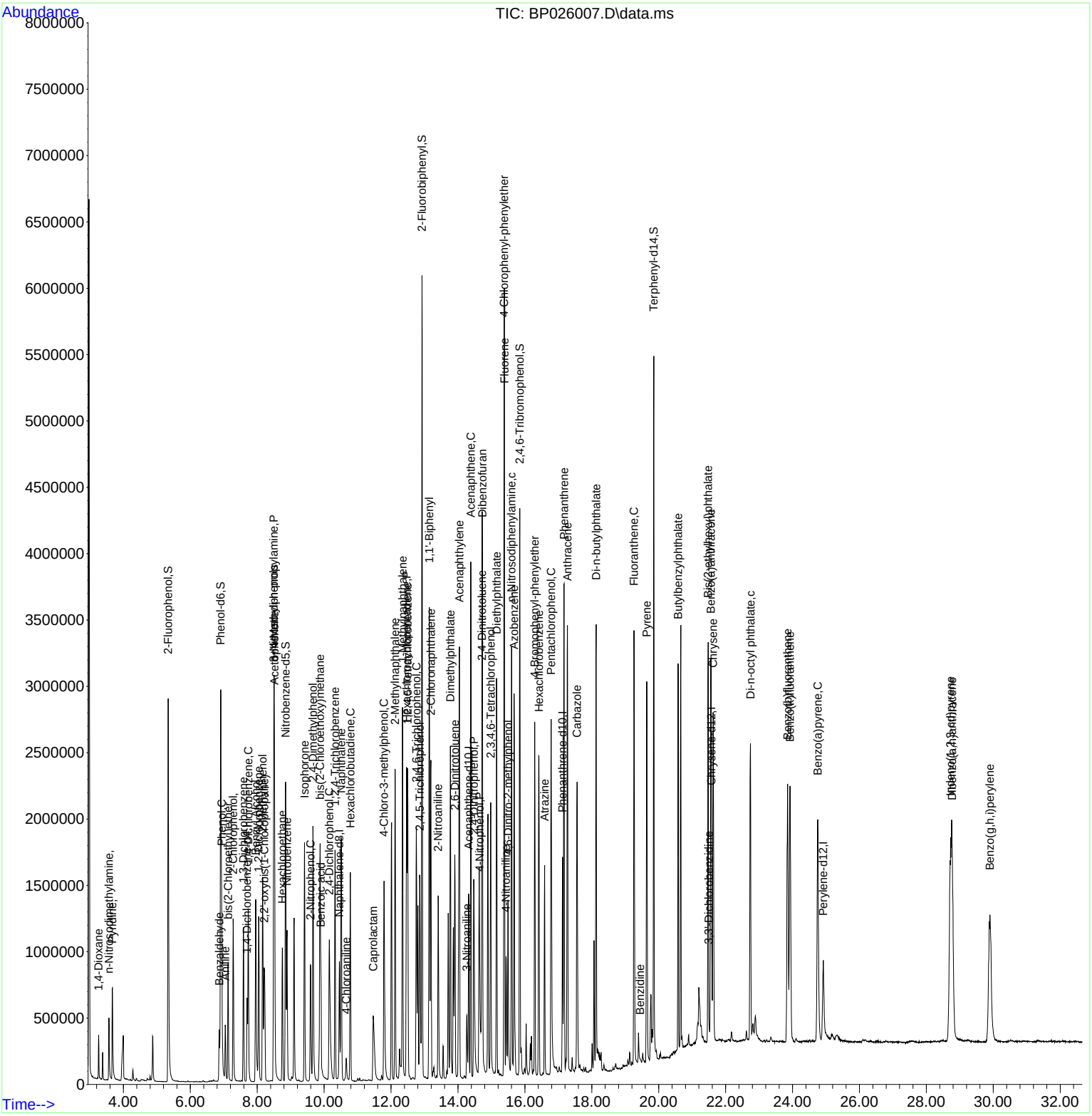
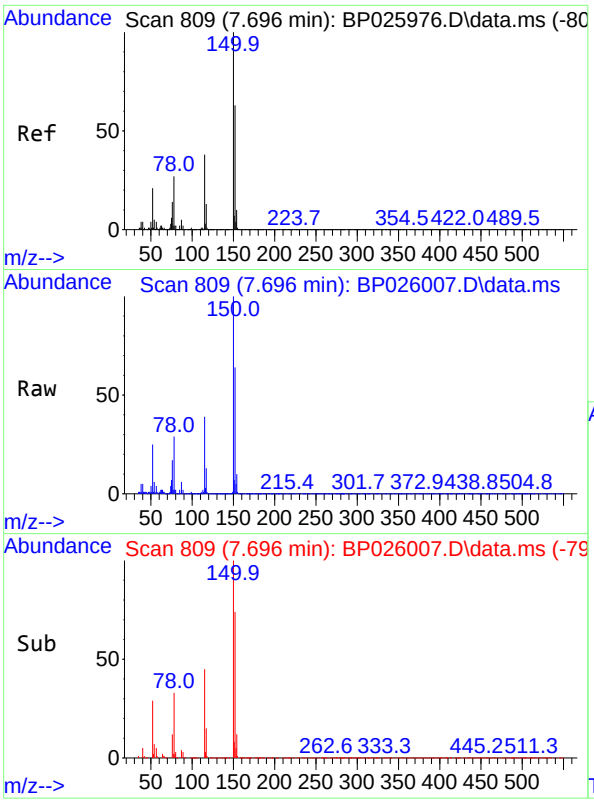
Data File : BP026007.D
Acq On : 22 Oct 2025 20:39
Operator : RC/JU
Sample : Q3368-06MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Quant Time: Oct 23 10:40:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 15 23:48:51 2025
Response via : Initial Calibration



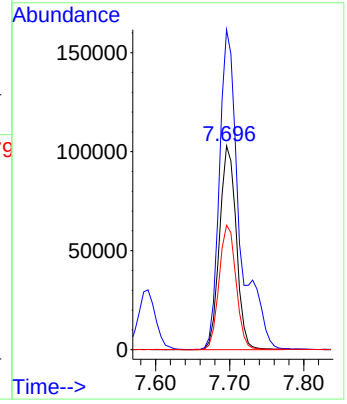


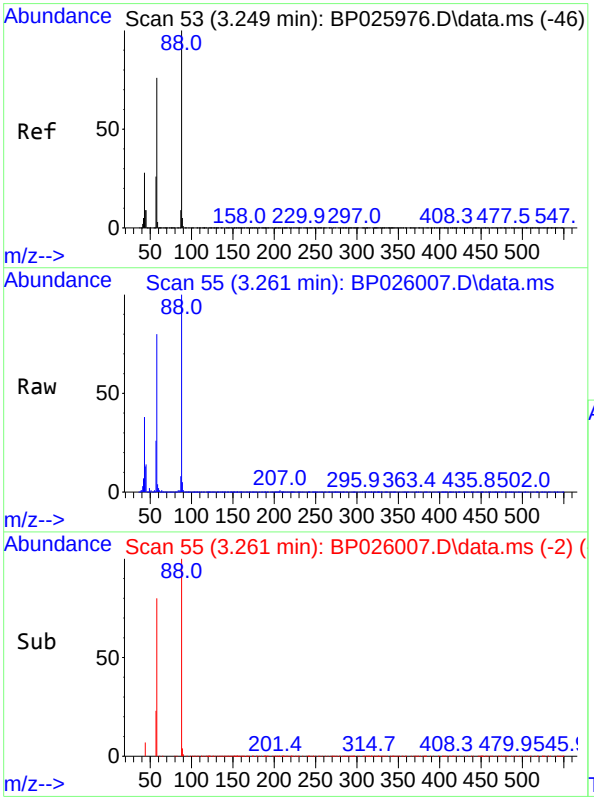
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.696 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:152 Resp: 161283

Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.3	190.9
115	61.1	48.7	73.1

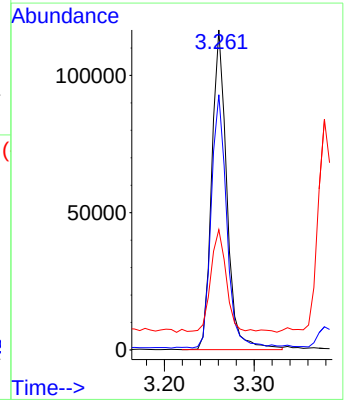


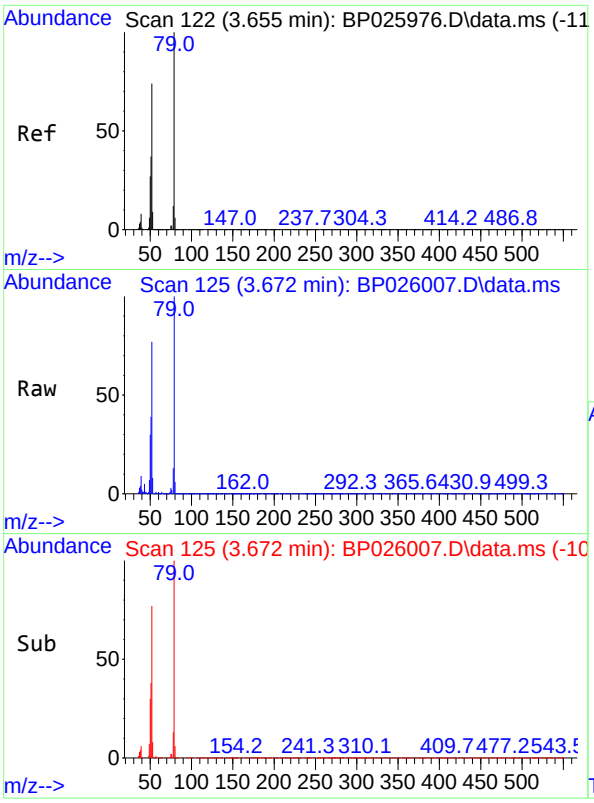


#2
1,4-Dioxane
Concen: 34.998 ng
RT: 3.261 min Scan# 55
Delta R.T. 0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion: 88 Resp: 136372

Ion	Ratio	Lower	Upper
88	100		
58	82.3	61.9	92.9
43	31.9	22.6	33.8



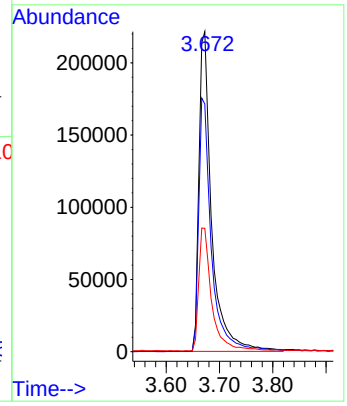


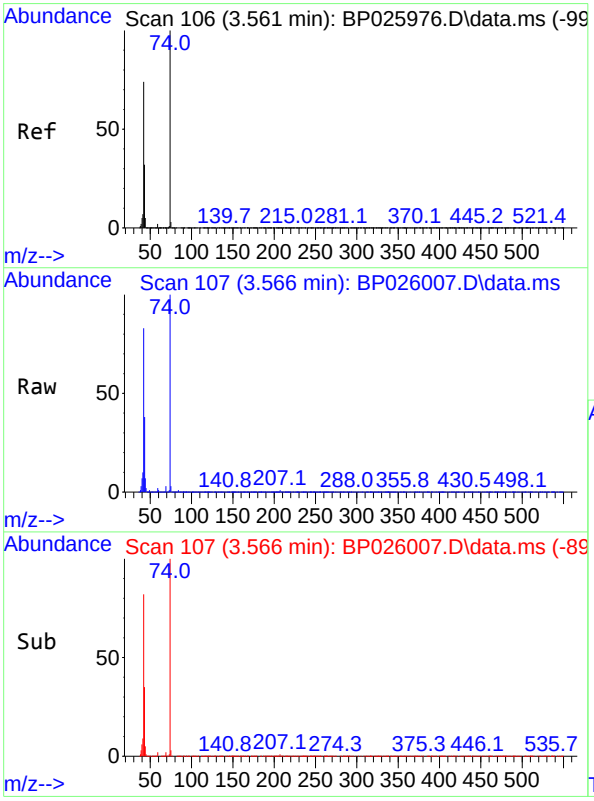
#3
Pyridine
Concen: 34.064 ng
RT: 3.672 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion: 79 Resp: 370402

Ion	Ratio	Lower	Upper
79	100		
52	77.4	59.0	88.4
51	38.6	29.5	44.3

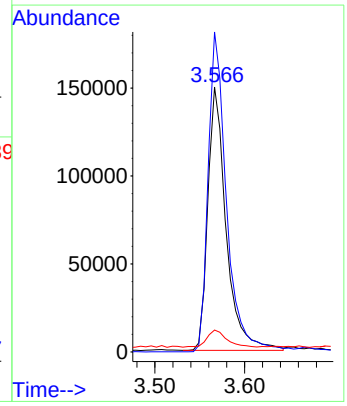


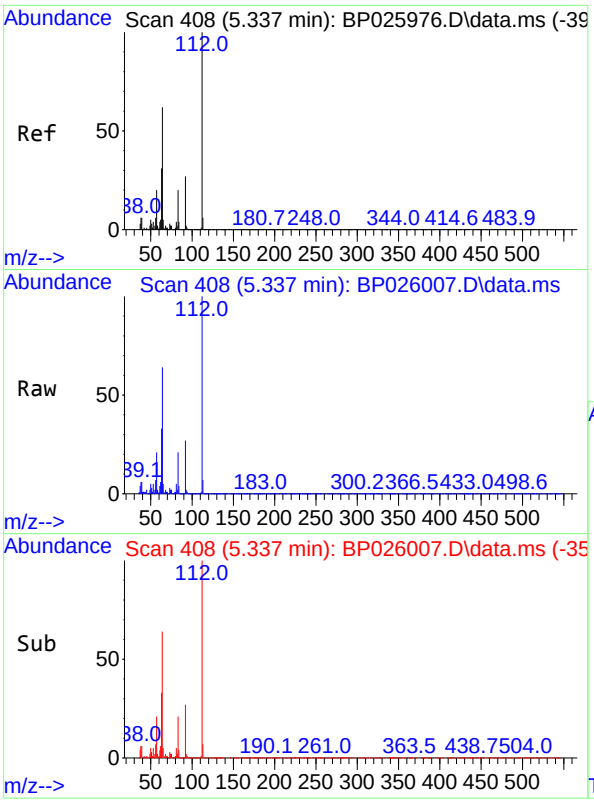


#4
n-Nitrosodimethylamine
Concen: 44.558 ng
RT: 3.566 min Scan# 107
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion: 42 Resp: 212330

Ion	Ratio	Lower	Upper
42	100		
74	120.8	107.4	161.0
44	8.3	6.0	9.0



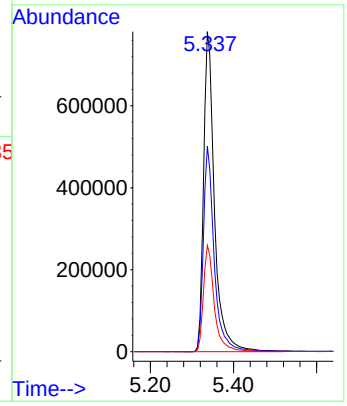


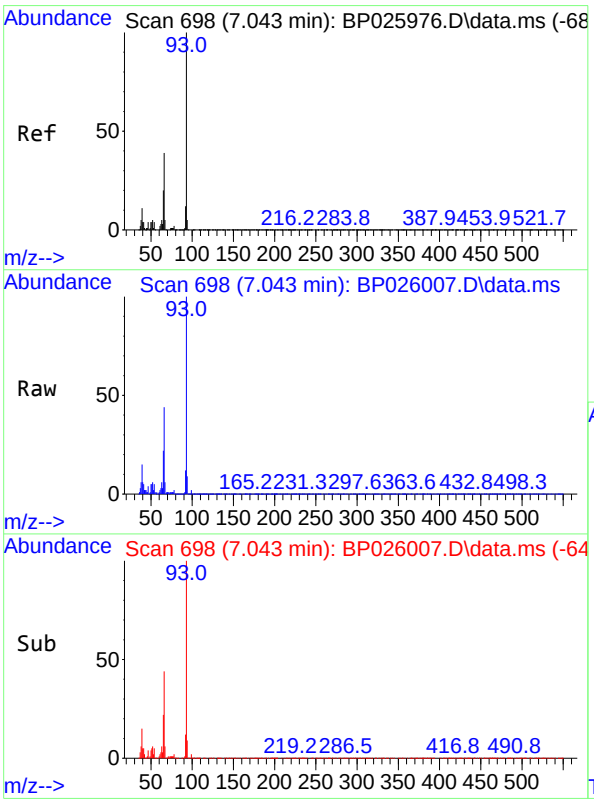
#5
2-Fluorophenol
Concen: 145.261 ng
RT: 5.337 min Scan# 4(
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:112 Resp: 1428959

Ion	Ratio	Lower	Upper
112	100		
64	64.2	49.9	74.9
63	33.2	24.9	37.3

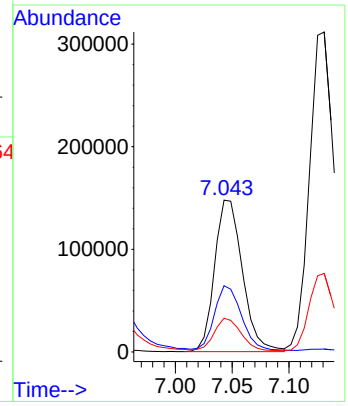


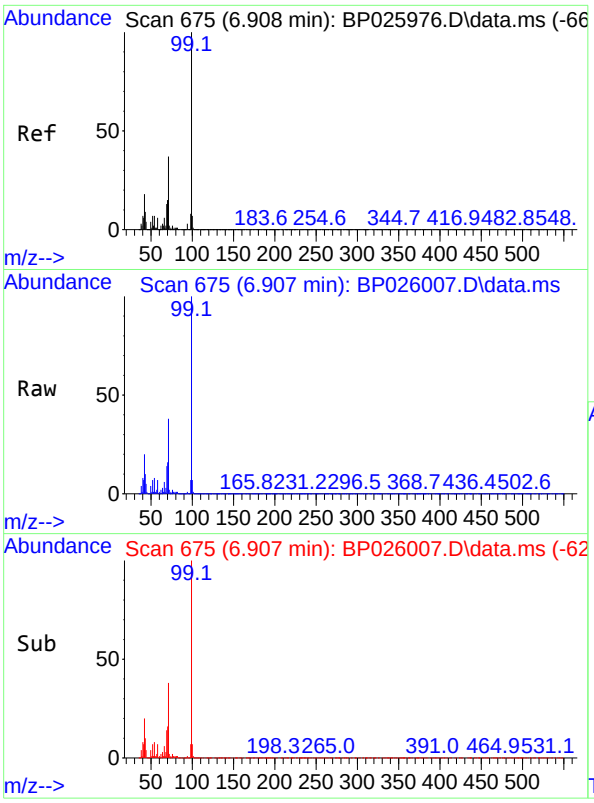


#6
Aniline
Concen: 13.732 ng
RT: 7.043 min Scan# 698
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion: 93 Resp: 252376

Ion	Ratio	Lower	Upper
93	100		
66	43.6	31.8	47.8
65	22.3	16.3	24.5



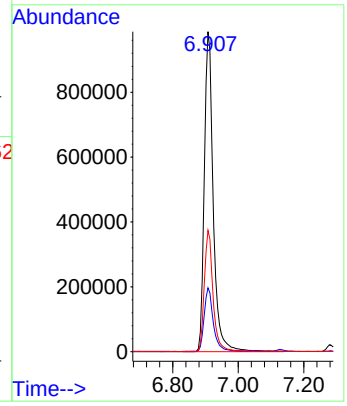


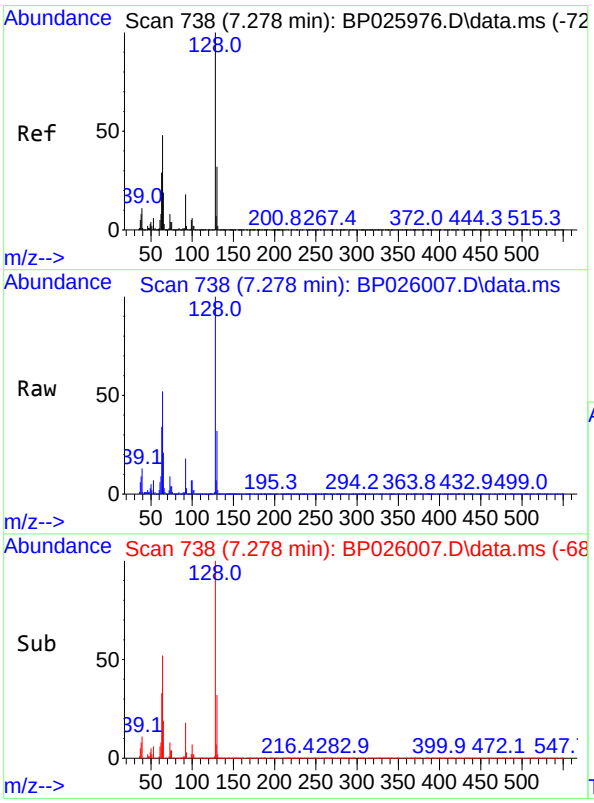
#7
Phenol-d6
Concen: 136.873 ng
RT: 6.907 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion: 99 Resp: 1878998

Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.2	21.4
71	37.9	29.4	44.0

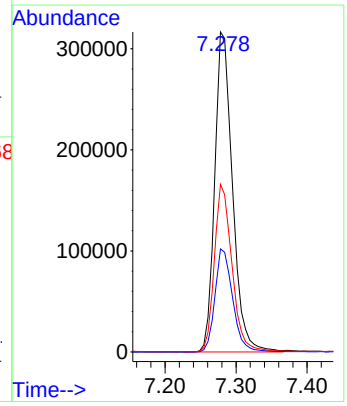


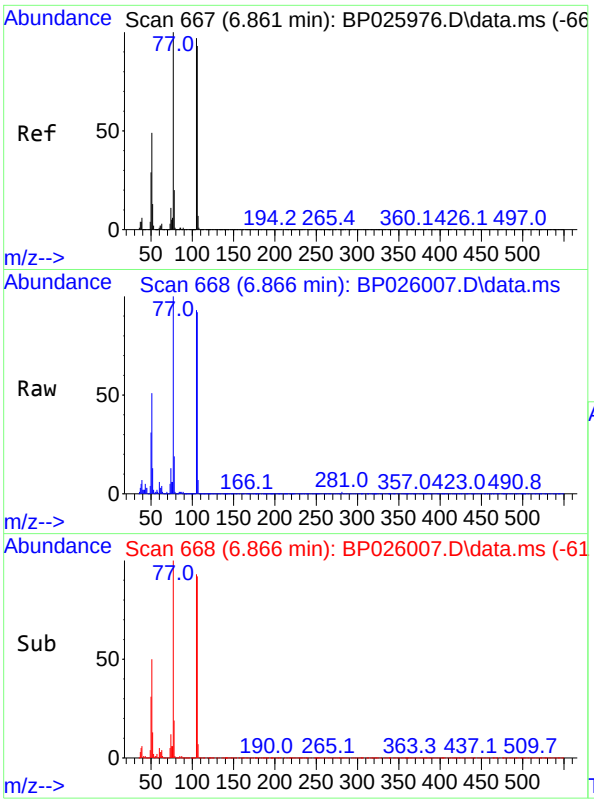


#8
2-Chlorophenol
Concen: 48.277 ng
RT: 7.278 min Scan# 738
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:128 Resp: 550372

Ion	Ratio	Lower	Upper
128	100		
130	32.2	11.8	51.8
64	52.4	28.0	68.0



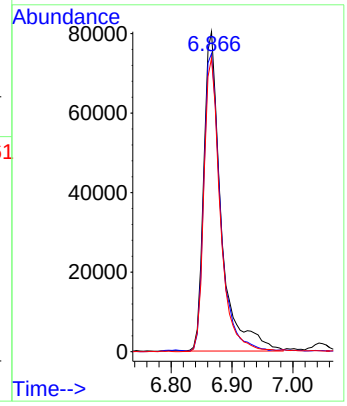


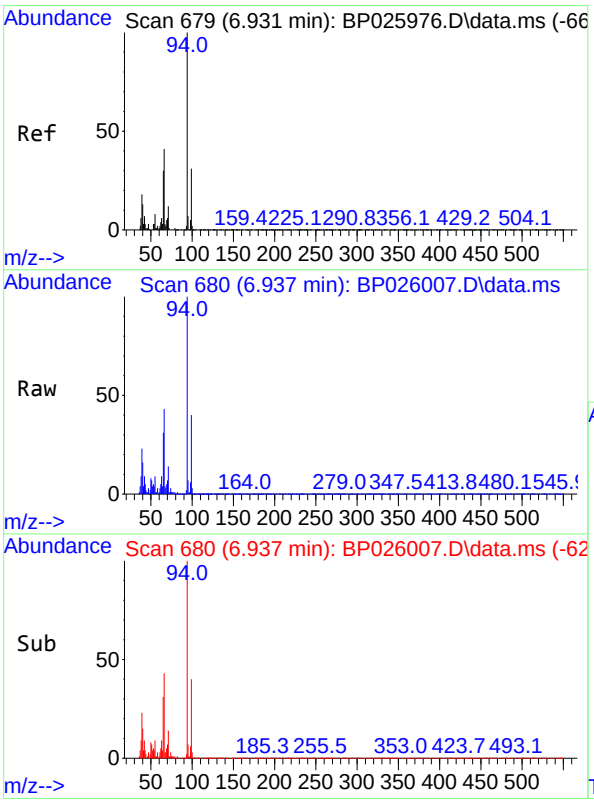
#9
Benzaldehyde
Concen: 21.737 ng
RT: 6.866 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion: 77 Resp: 159235

Ion	Ratio	Lower	Upper
77	100		
105	93.2	76.6	116.6
106	91.7	73.2	113.2

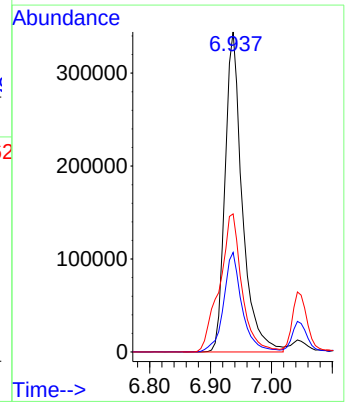


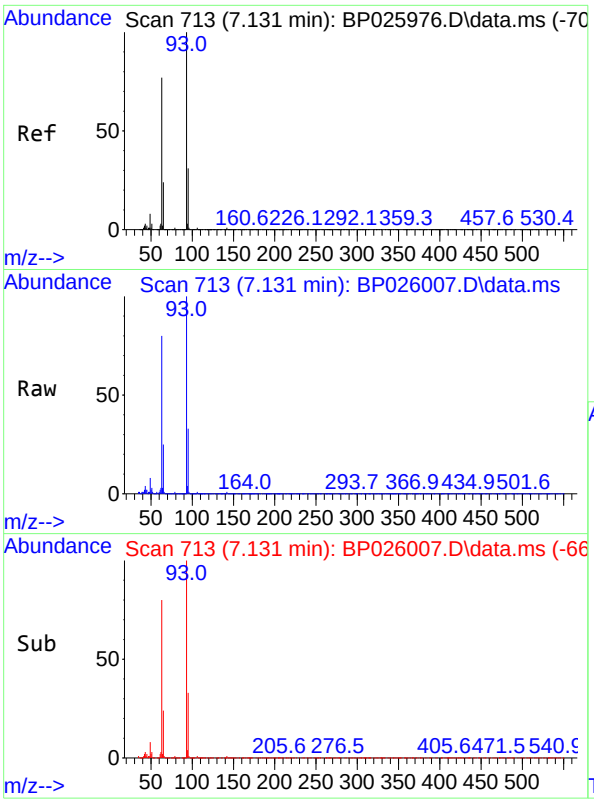


#10
Phenol
Concen: 48.706 ng
RT: 6.937 min Scan# 680
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion: 94 Resp: 675090

Ion	Ratio	Lower	Upper
94	100		
65	31.1	9.8	49.8
66	43.1	21.4	61.4



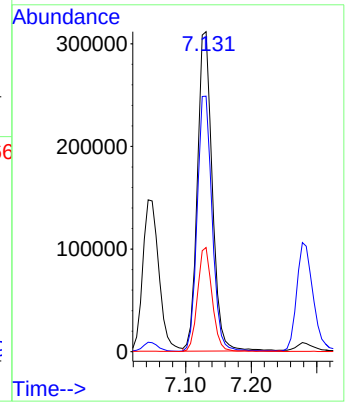


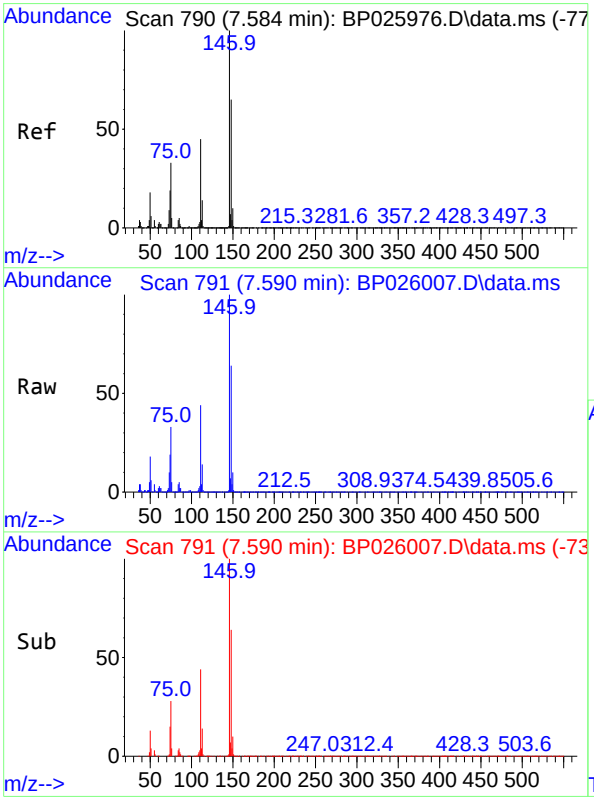
#11
bis(2-Chloroethyl)ether
Concen: 43.547 ng
RT: 7.131 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion: 93 Resp: 492159

Ion	Ratio	Lower	Upper
93	100		
63	79.8	56.6	96.6
95	32.6	11.3	51.3

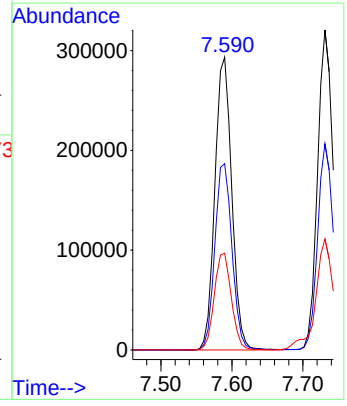


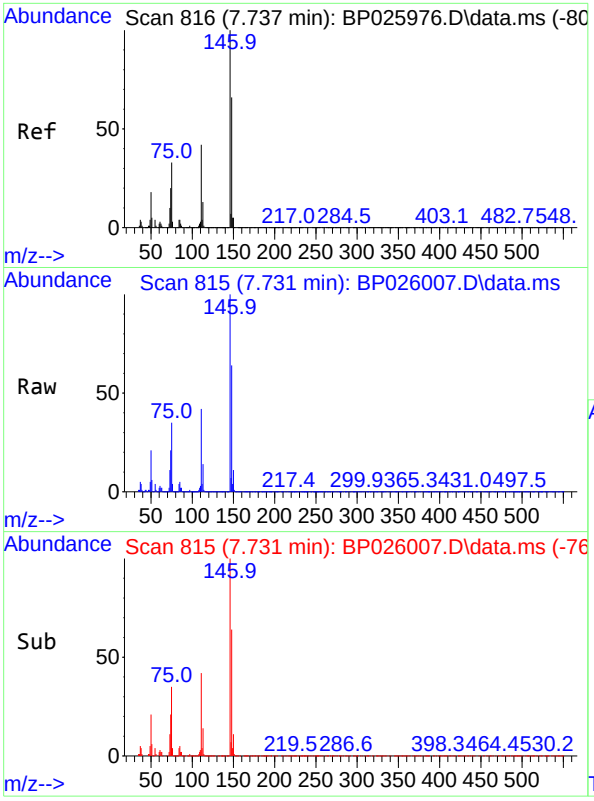


#12
1,3-Dichlorobenzene
Concen: 38.338 ng
RT: 7.590 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:146 Resp: 484562

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.7	77.5
75	33.0	26.1	39.1



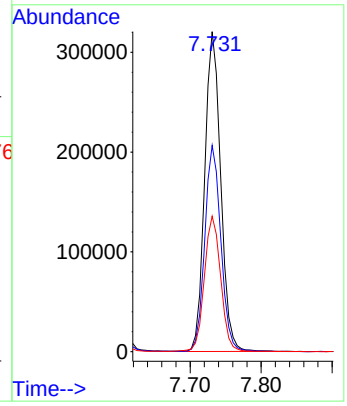


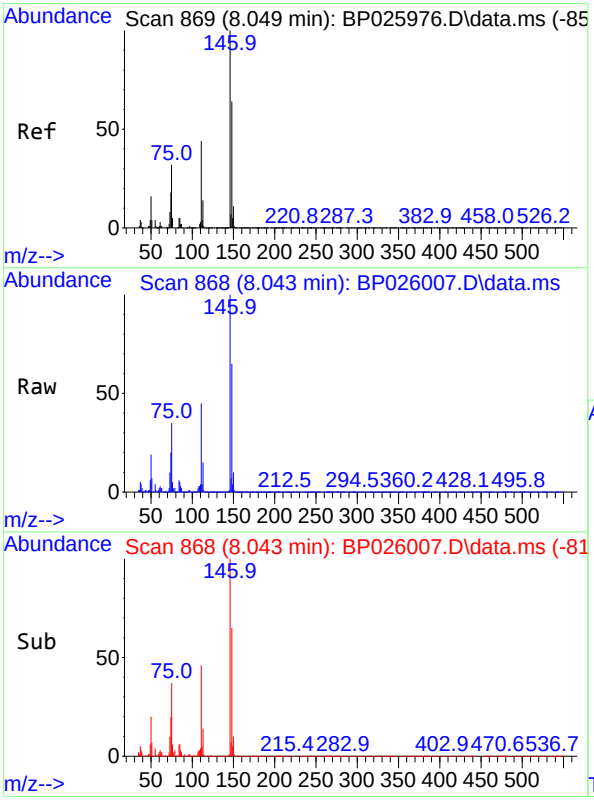
#13
1,4-Dichlorobenzene
Concen: 39.020 ng
RT: 7.731 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:146 Resp: 502484

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.7	79.1
111	42.4	34.0	51.0

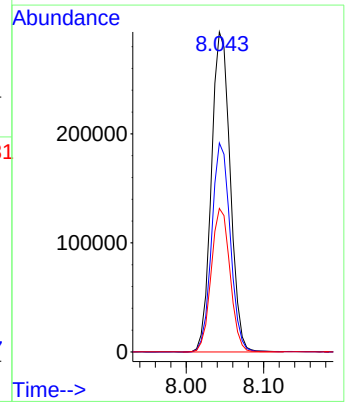


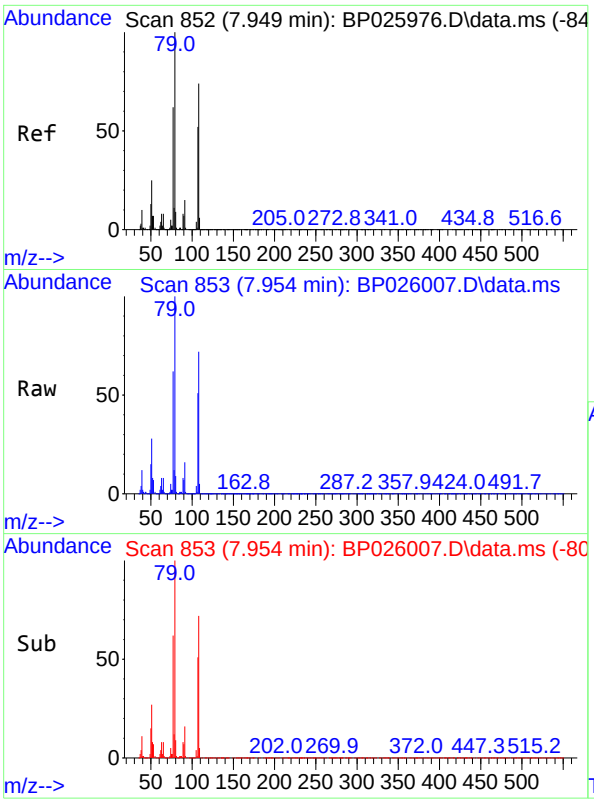


#14
1,2-Dichlorobenzene
Concen: 39.217 ng
RT: 8.043 min Scan# 868
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:146 Resp: 494044

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.0	76.6
111	44.8	35.3	52.9



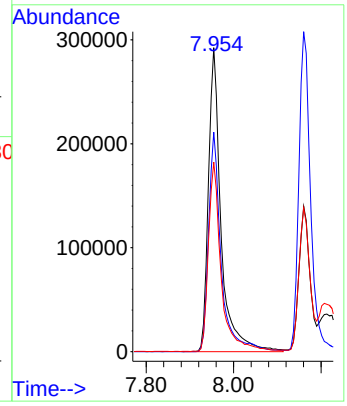


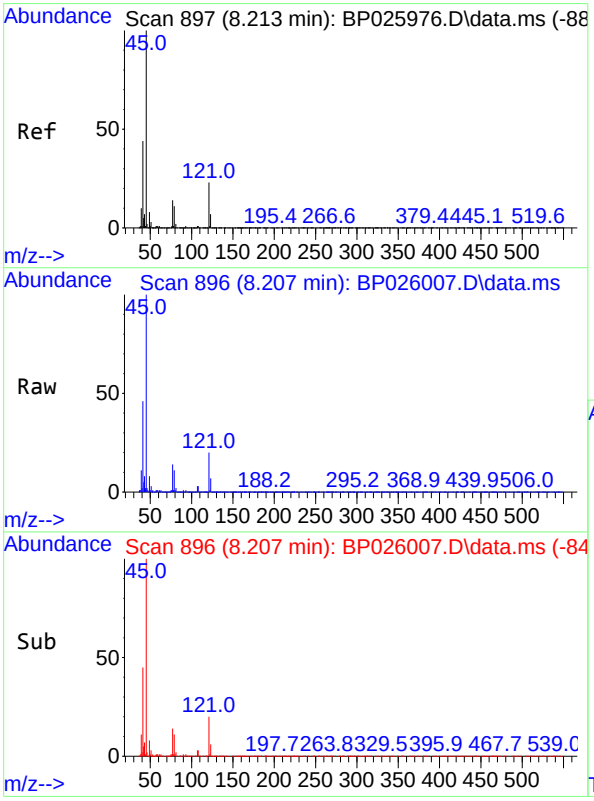
#15
Benzyl Alcohol
Concen: 50.258 ng
RT: 7.954 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion: 79 Resp: 587249

Ion	Ratio	Lower	Upper
79	100		
108	72.2	59.2	88.8
77	62.4	49.3	73.9

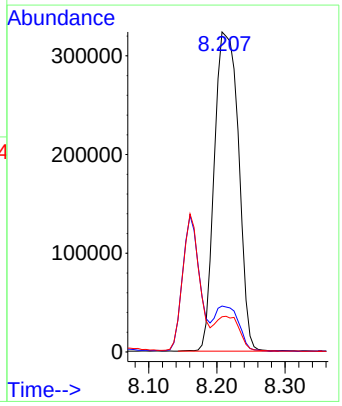


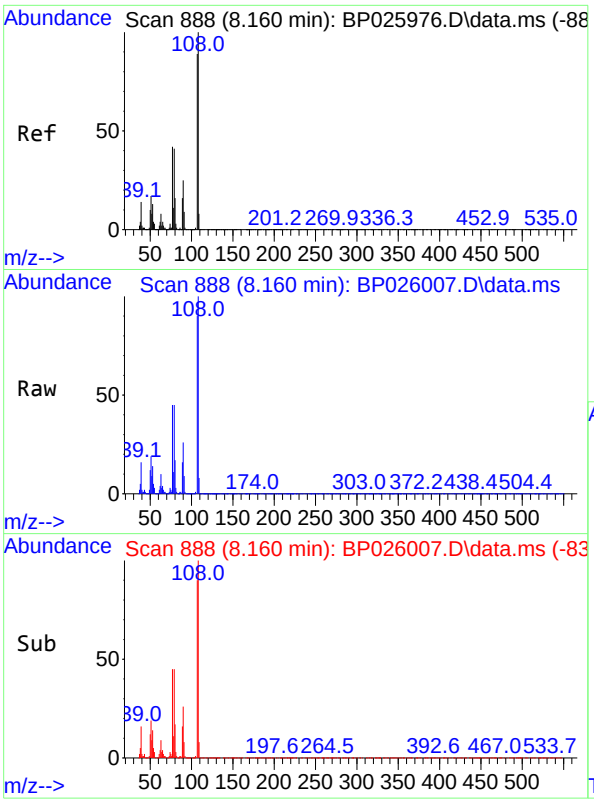


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.886 ng
RT: 8.207 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion: 45 Resp: 798583

Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	34.3
79	11.0	0.0	31.5



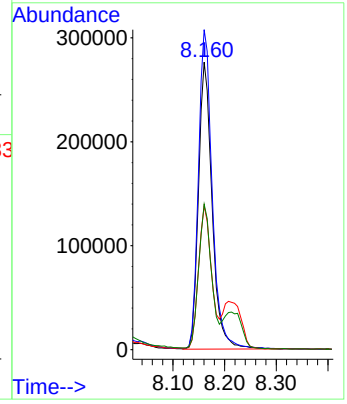


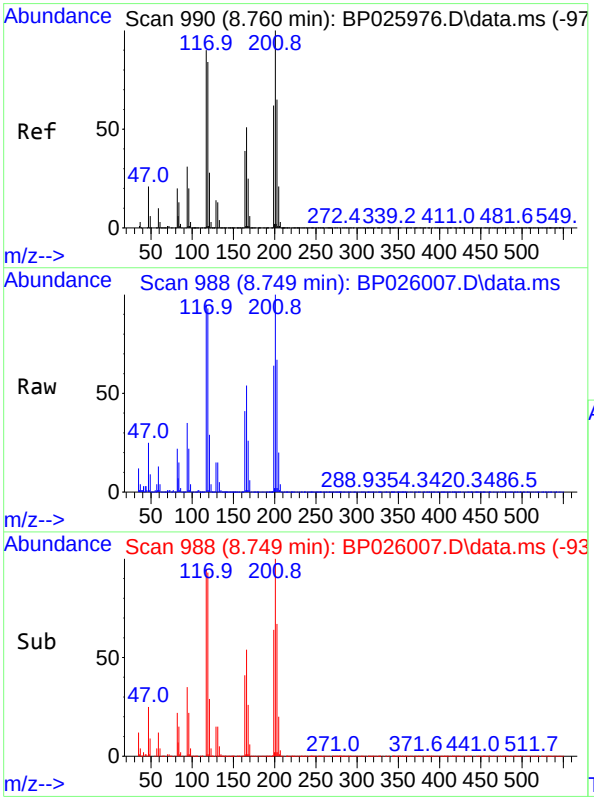
#17
2-Methylphenol
Concen: 51.068 ng
RT: 8.160 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:107 Resp: 507348

Ion	Ratio	Lower	Upper
107	100		
108	111.3	89.5	134.3
77	50.0	38.1	57.1
79	50.6	37.4	56.2

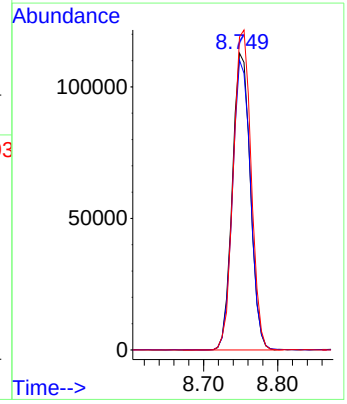


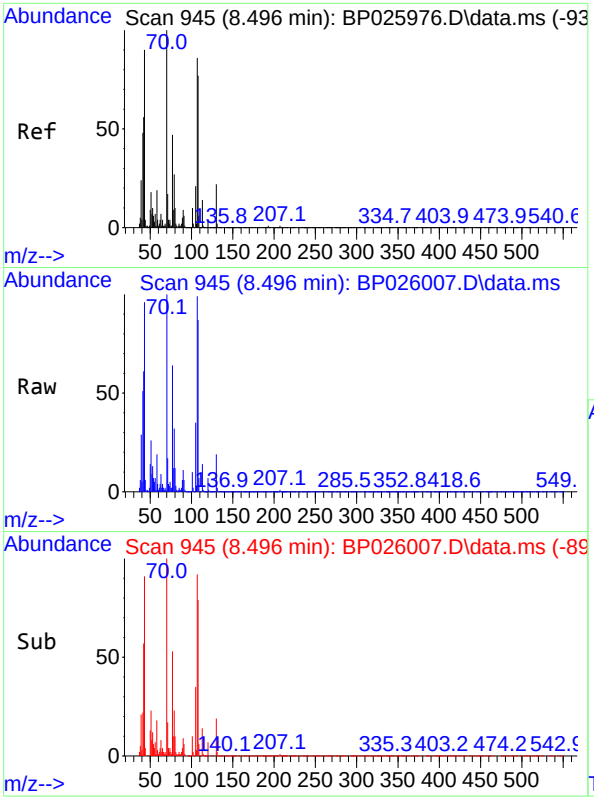


#18
Hexachloroethane
Concen: 38.671 ng
RT: 8.749 min Scan# 988
Delta R.T. -0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:117 Resp: 190036

Ion	Ratio	Lower	Upper
117	100		
119	97.7	74.6	112.0
201	105.5	88.6	133.0



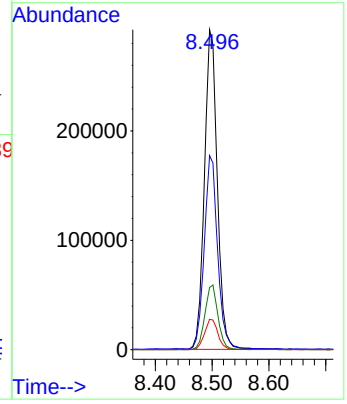


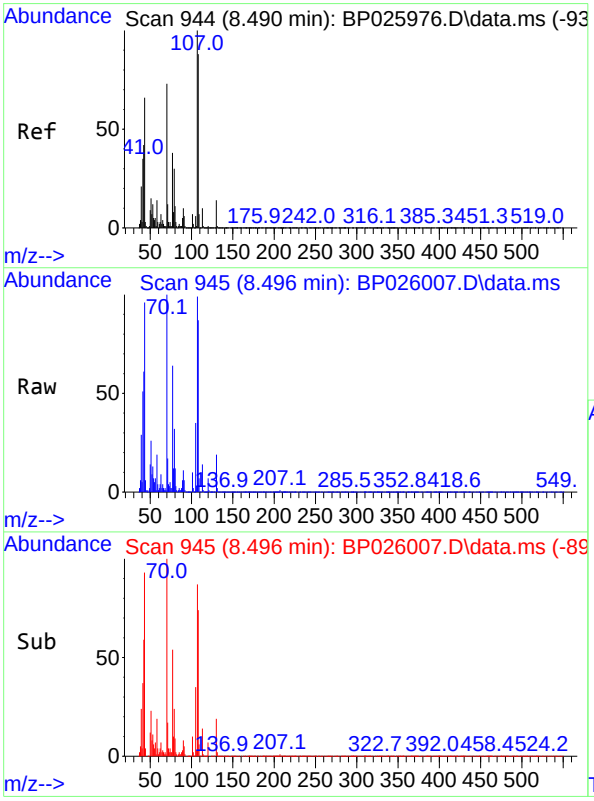
#19
n-Nitroso-di-n-propylamine
Concen: 46.932 ng
RT: 8.496 min Scan# 94
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion: 70 Resp: 459300

Ion	Ratio	Lower	Upper
70	100		
42	60.7	45.2	67.8
101	9.5	7.9	11.9
130	19.4	17.3	25.9

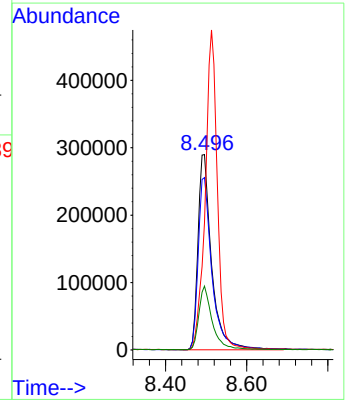


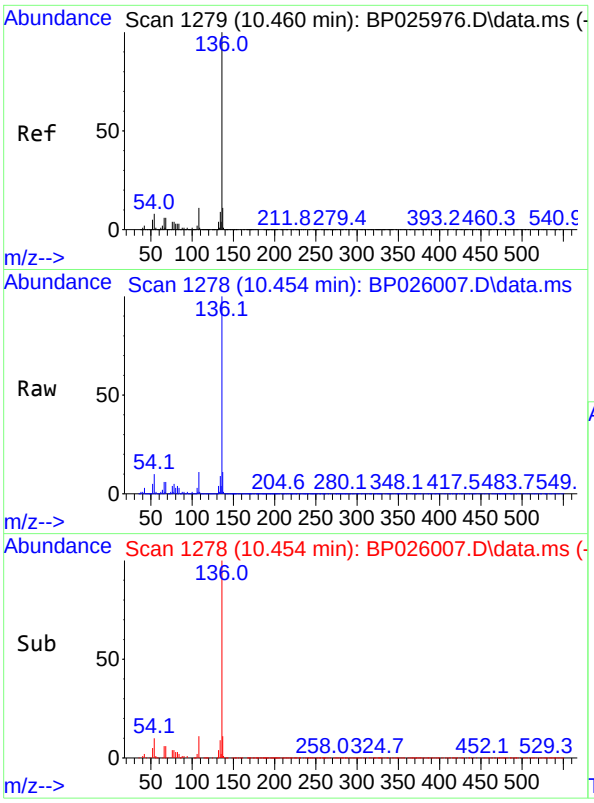


#20
3+4-Methylphenols
Concen: 49.207 ng
RT: 8.496 min Scan# 945
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:107 Resp: 681150

Ion	Ratio	Lower	Upper
107	100		
108	88.3	67.8	107.8
77	65.0	18.5	58.5#
79	32.6	9.7	49.7



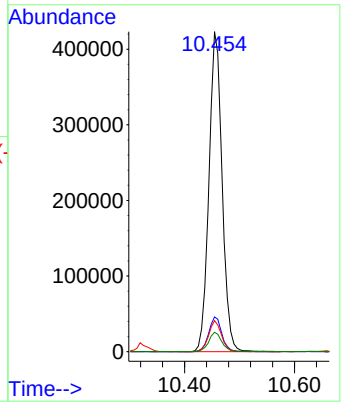


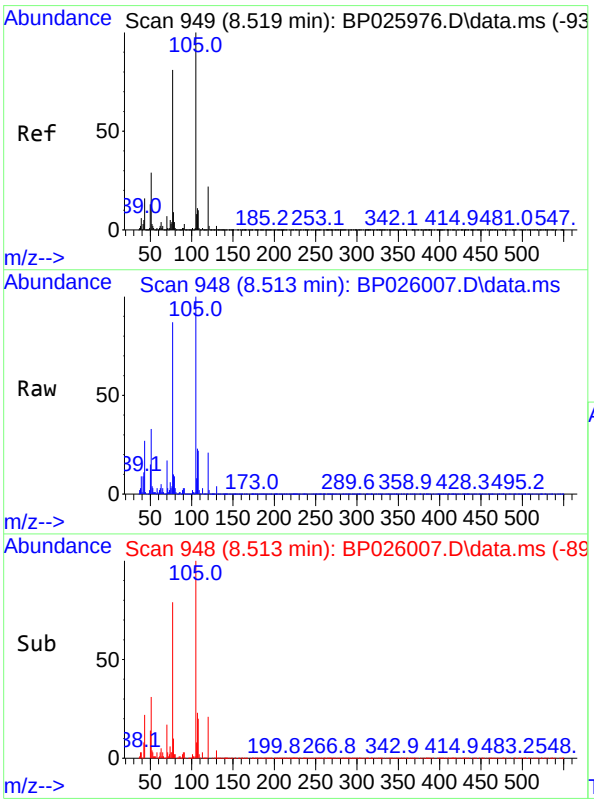
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:136 Resp: 704129

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.7	6.8	10.2
68	6.0	4.5	6.7

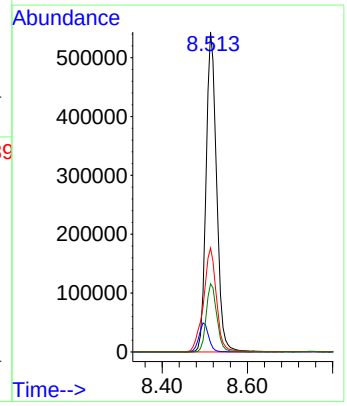


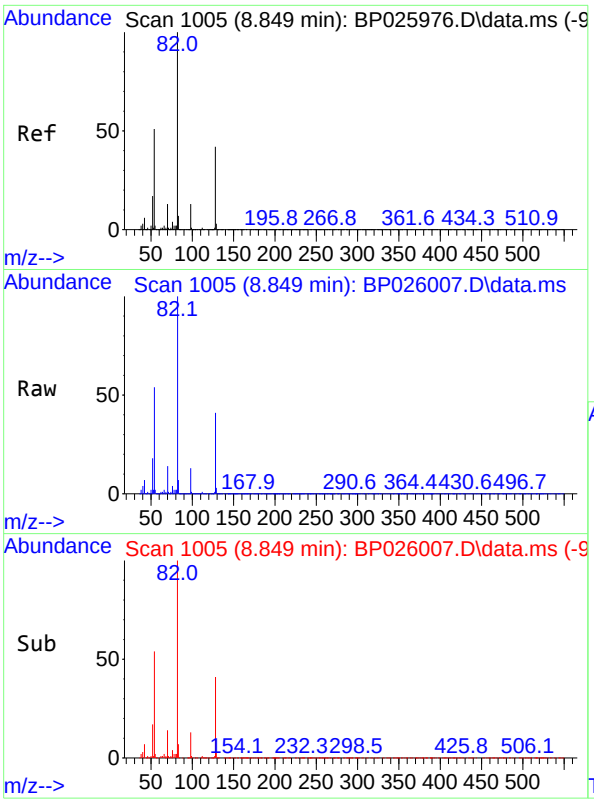


#22
Acetophenone
Concen: 48.766 ng
RT: 8.513 min Scan# 948
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:105 Resp: 933511

Ion	Ratio	Lower	Upper
105	100		
71	2.8	0.9	1.3#
51	32.5	23.0	34.4
120	21.3	17.8	26.6



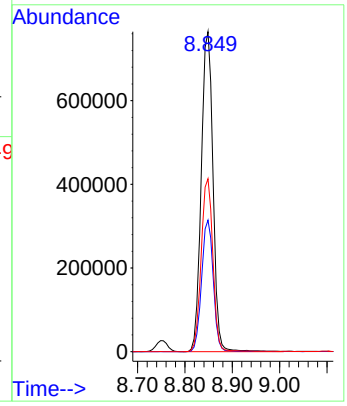


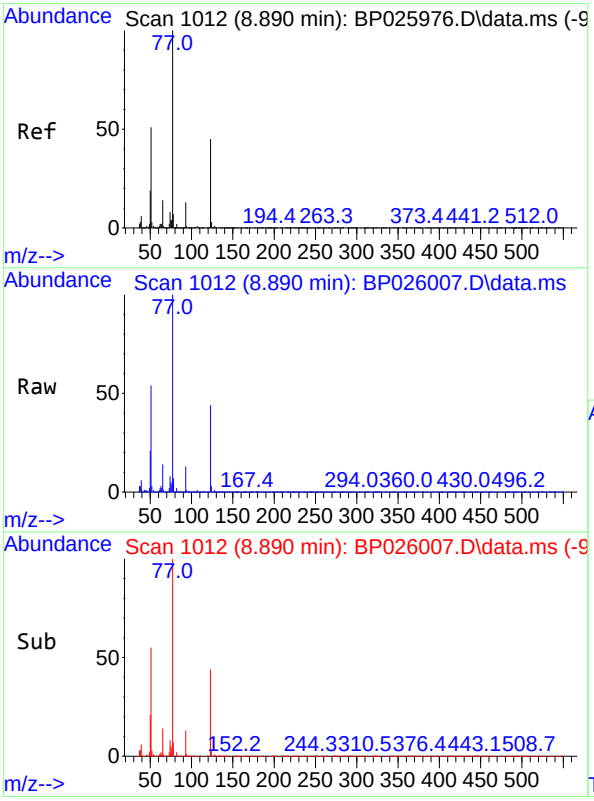
#23
Nitrobenzene-d5
Concen: 83.945 ng
RT: 8.849 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion: 82 Resp: 1315034

Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.6	50.4
54	54.0	40.6	61.0

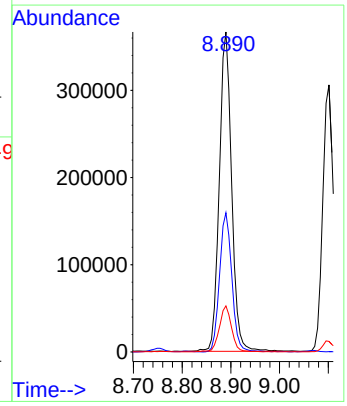


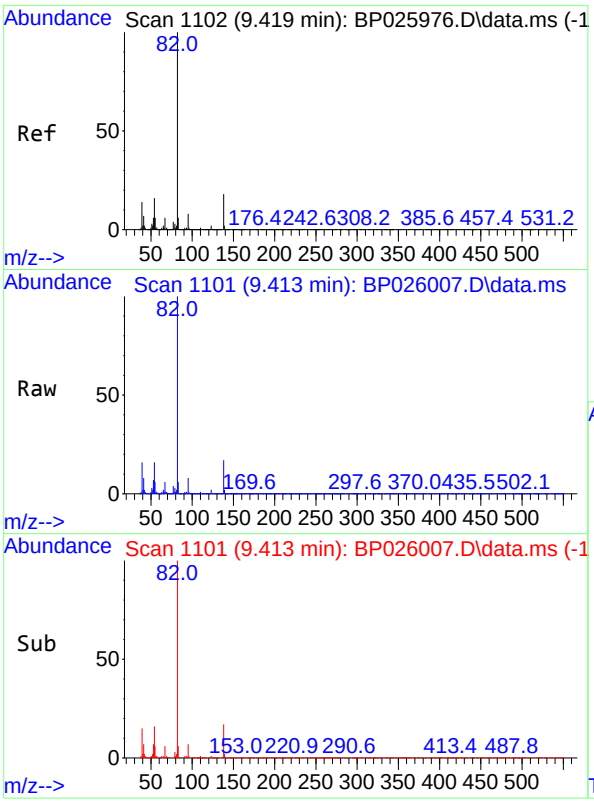


#24
Nitrobenzene
Concen: 46.104 ng
RT: 8.890 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion: 77 Resp: 642272

Ion	Ratio	Lower	Upper
77	100		
123	43.5	35.6	53.4
65	14.4	11.1	16.7



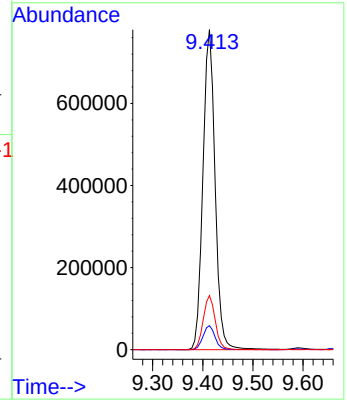


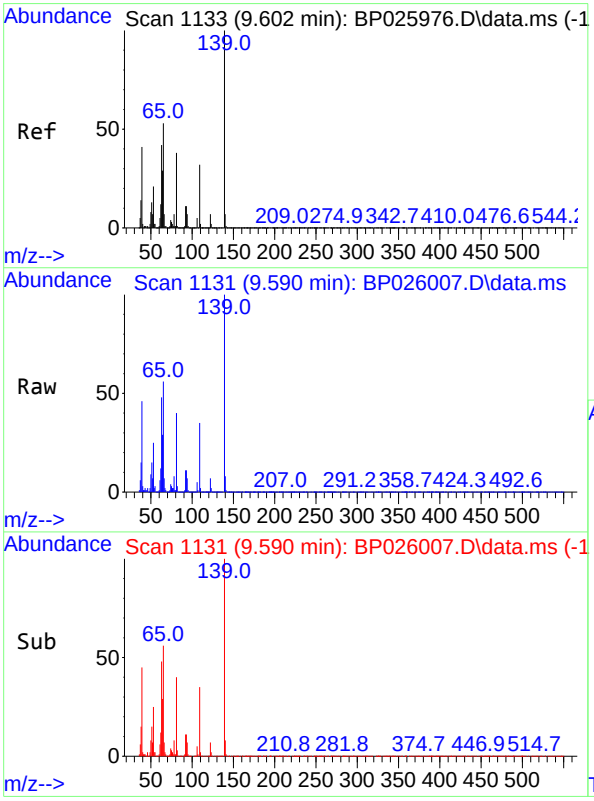
#25
Isophorone
Concen: 46.545 ng
RT: 9.413 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion: 82 Resp: 1309580

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	16.9	14.2	21.2

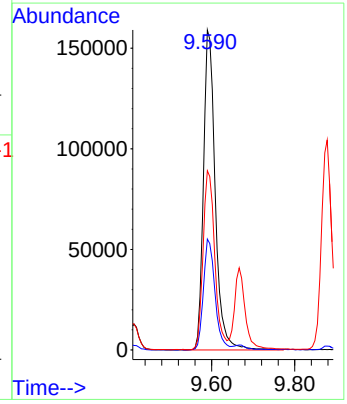


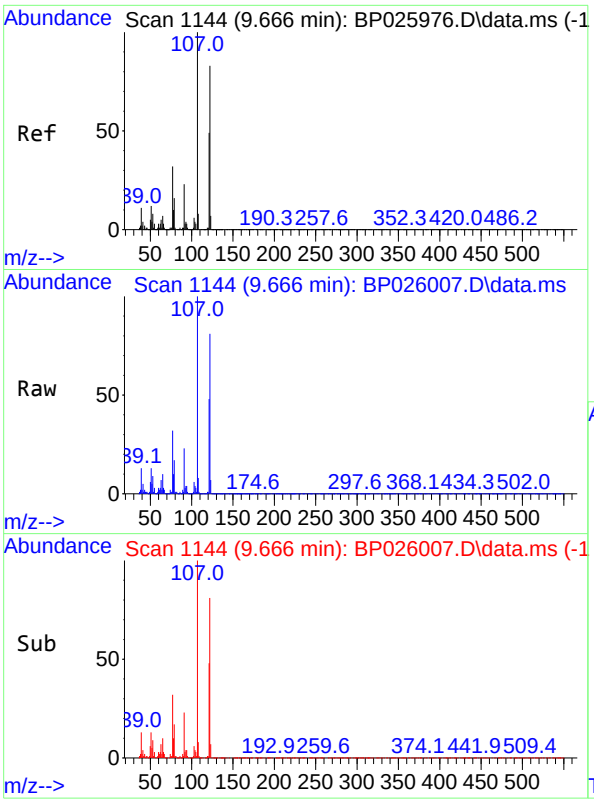


#26
2-Nitrophenol
Concen: 46.394 ng
RT: 9.590 min Scan# 1131
Delta R.T. -0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:139 Resp: 313001

Ion	Ratio	Lower	Upper
139	100		
109	34.6	25.9	38.9
65	56.0	42.4	63.6



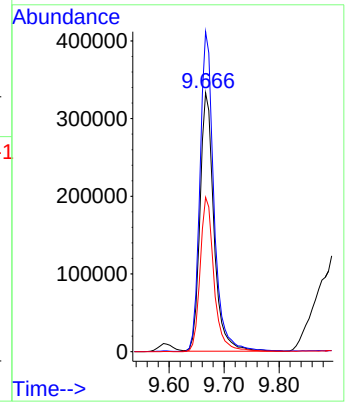


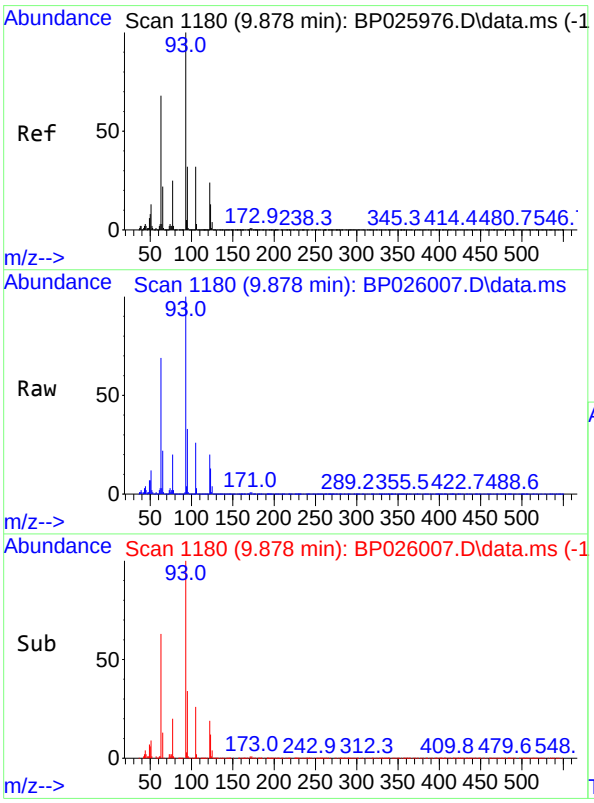
#27
2,4-Dimethylphenol
Concen: 51.321 ng
RT: 9.666 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:122 Resp: 586725

Ion	Ratio	Lower	Upper
122	100		
107	123.6	95.9	143.9
121	59.6	46.6	70.0

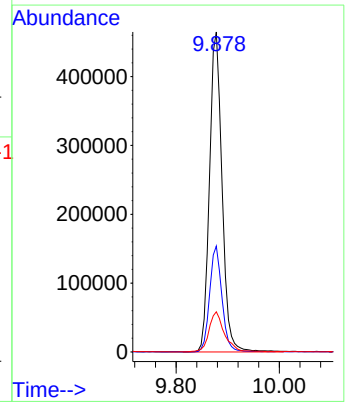


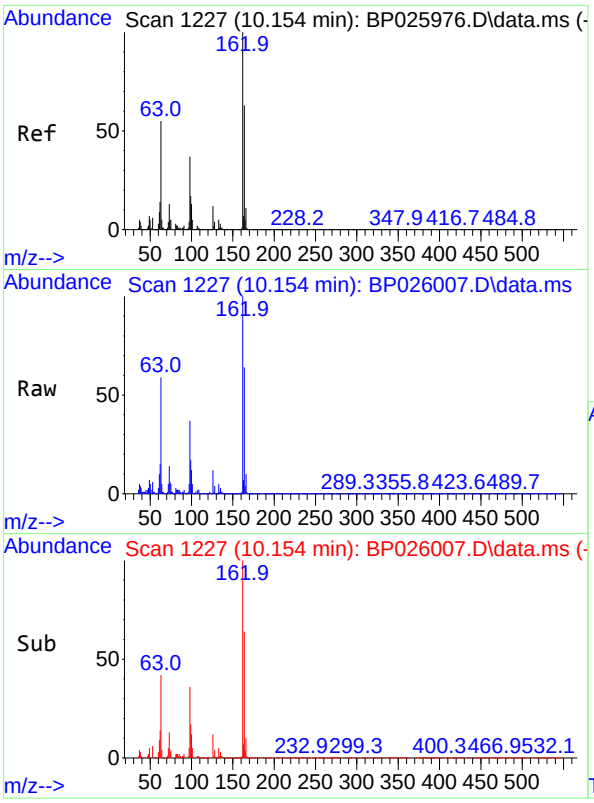


#28
bis(2-Chloroethoxy)methane
Concen: 47.556 ng
RT: 9.878 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion: 93 Resp: 782707

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.3	37.9
123	12.6	10.4	15.6



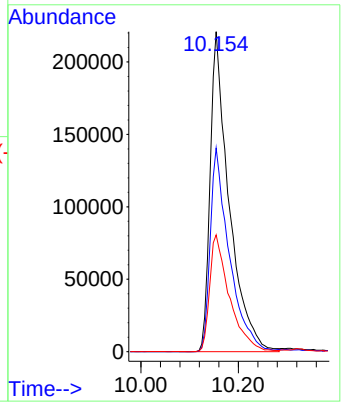


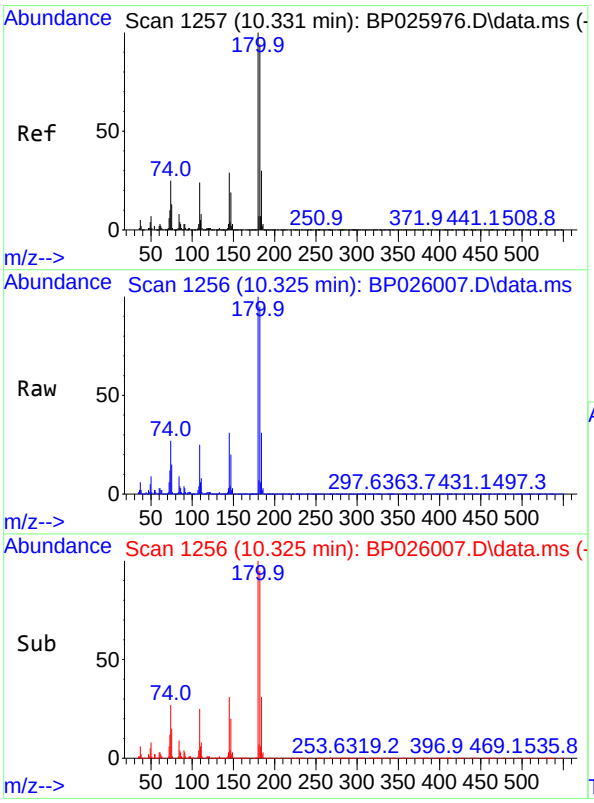
#29
2,4-Dichlorophenol
Concen: 52.089 ng
RT: 10.154 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:162 Resp: 593363

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.4	83.4
98	36.5	17.3	57.3

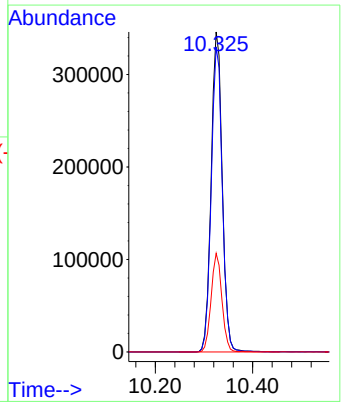


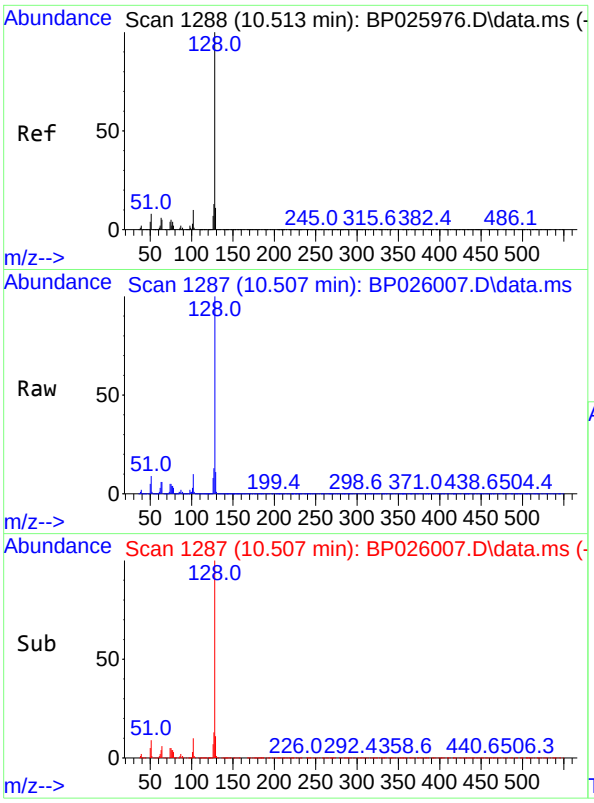


#30
1,2,4-Trichlorobenzene
Concen: 42.098 ng
RT: 10.325 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:180 Resp: 542915

Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.3	112.9
145	30.8	23.4	35.2



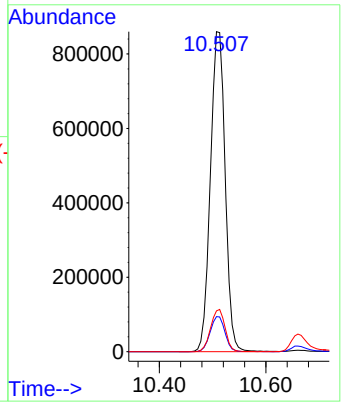


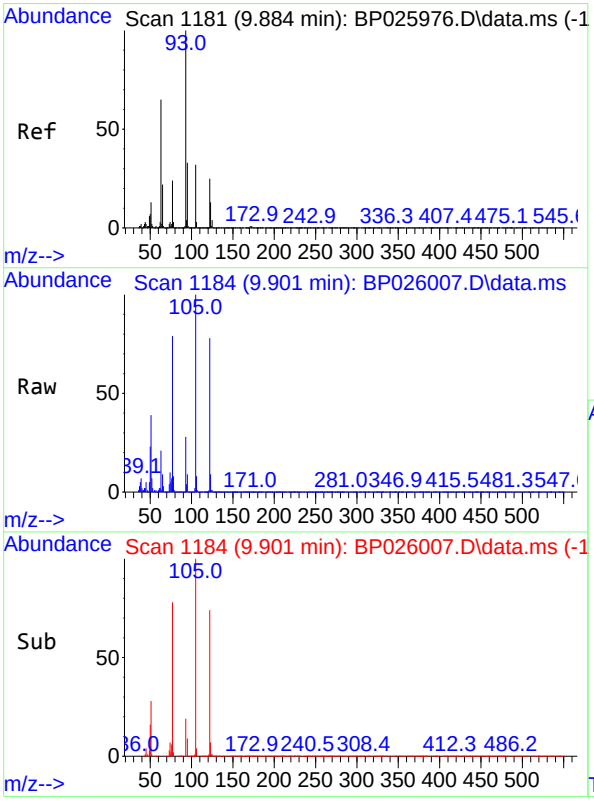
#31
Naphthalene
Concen: 43.491 ng
RT: 10.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:128 Resp: 1651949

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.8	10.6	16.0

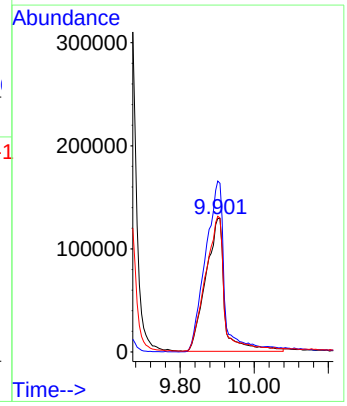


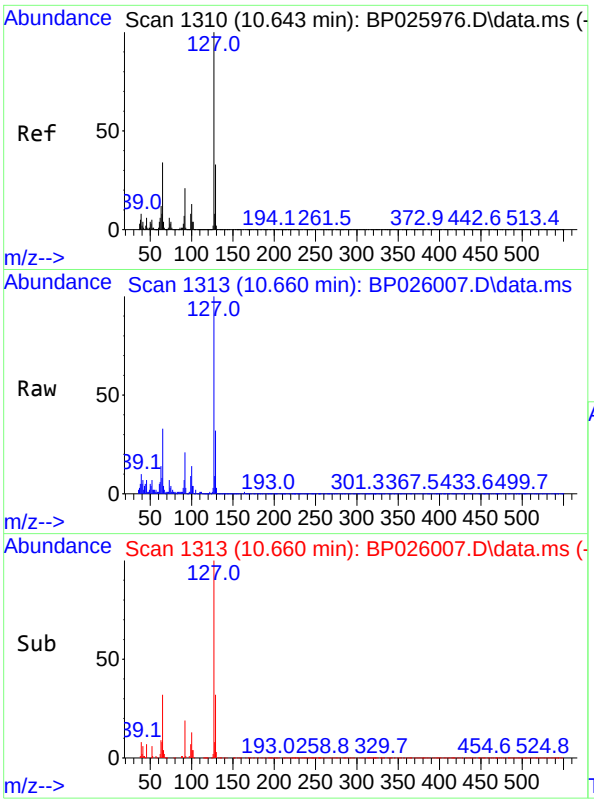


#32
Benzoic acid
Concen: 55.390 ng
RT: 9.901 min Scan# 1184
Delta R.T. 0.018 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:122 Resp: 458873

Ion	Ratio	Lower	Upper
122	100		
105	127.9	107.4	147.4
77	101.6	77.0	117.0



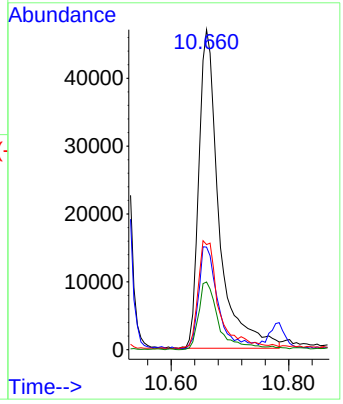


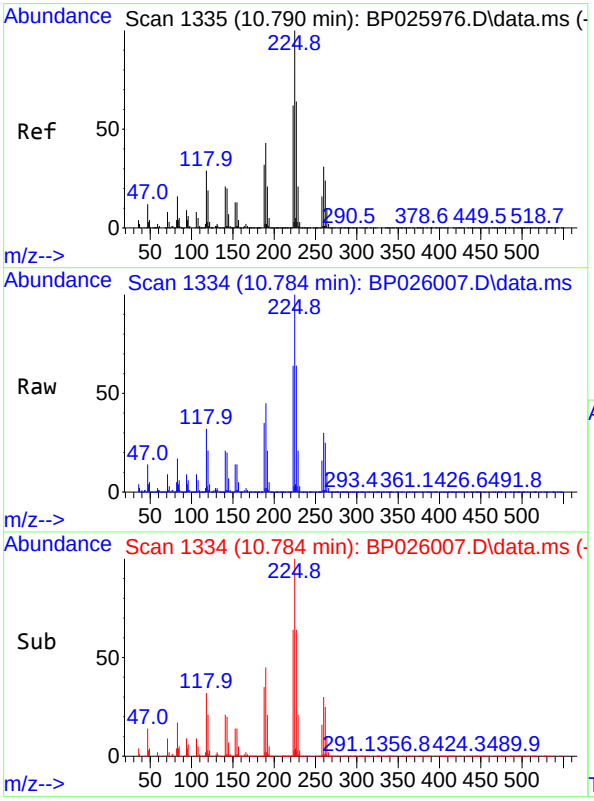
#33
4-Chloroaniline
Concen: 6.921 ng
RT: 10.660 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:127 Resp: 111645

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.2	39.4
65	32.8	27.2	40.8
92	21.1	17.0	25.4

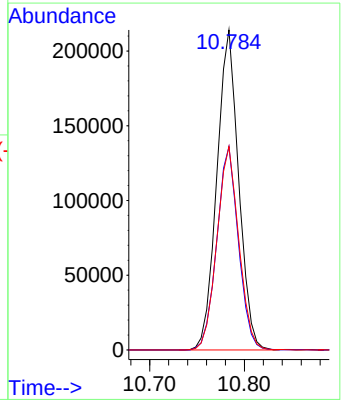


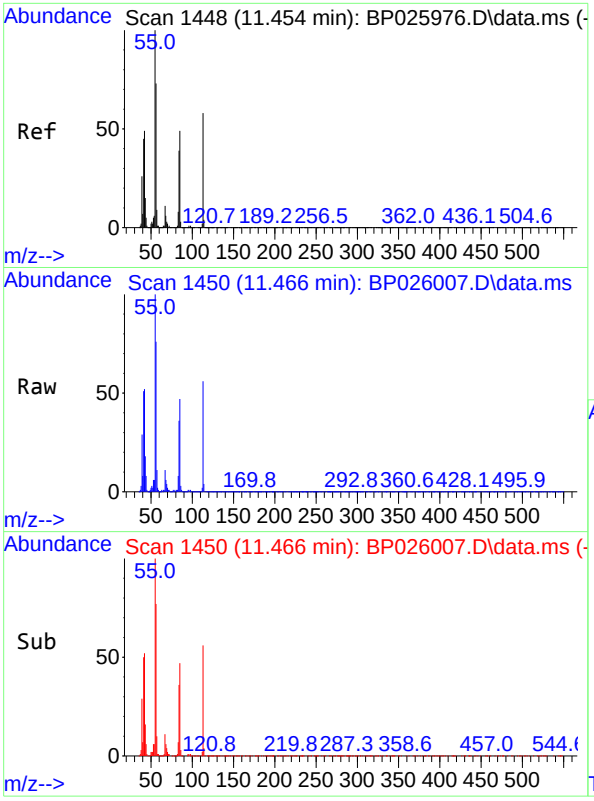


#34
Hexachlorobutadiene
Concen: 40.178 ng
RT: 10.784 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:225 Resp: 342915

Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.8	74.8
227	63.5	51.4	77.2



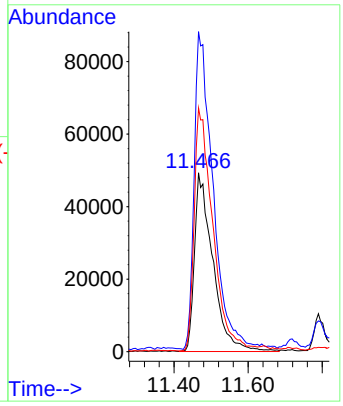


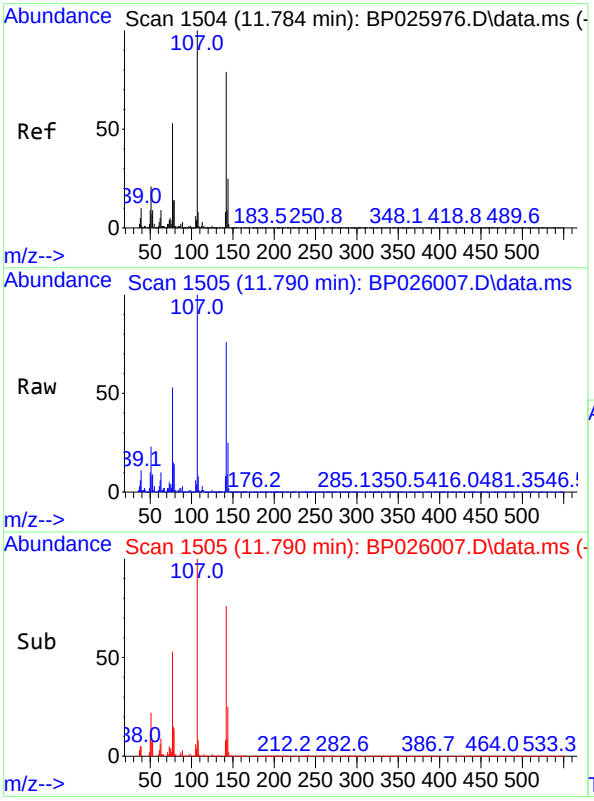
#35
Caprolactam
Concen: 41.714 ng
RT: 11.466 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:113 Resp: 169099

Ion	Ratio	Lower	Upper
113	100		
55	178.9	151.8	191.8
56	136.2	104.6	144.6

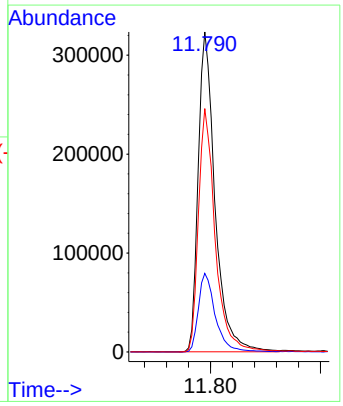


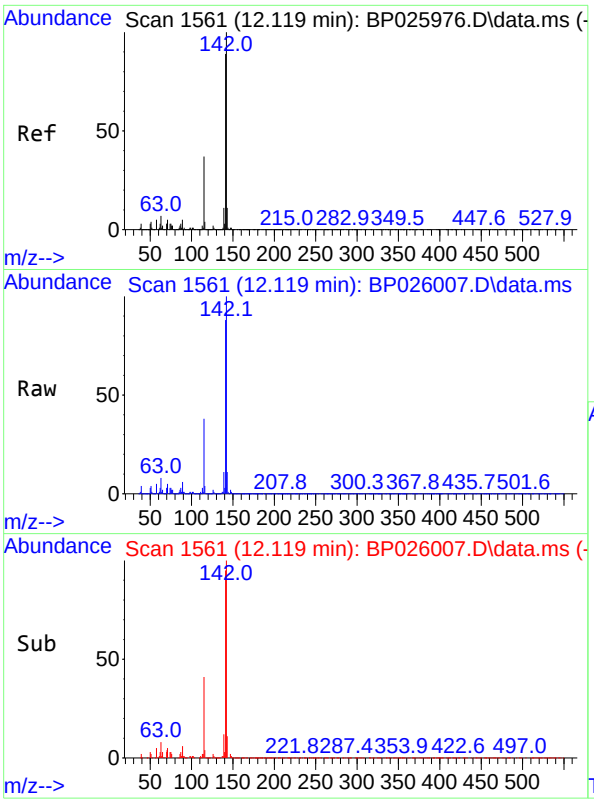


#36
4-Chloro-3-methylphenol
Concen: 51.543 ng
RT: 11.790 min Scan# 1505
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:107 Resp: 689325

Ion	Ratio	Lower	Upper
107	100		
144	24.5	20.3	30.5
142	76.0	63.0	94.4



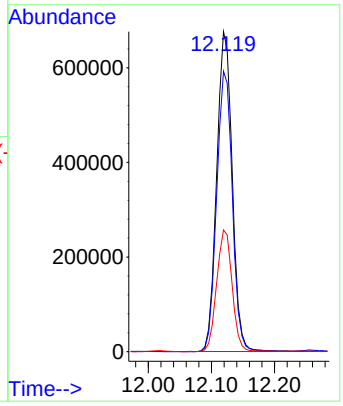


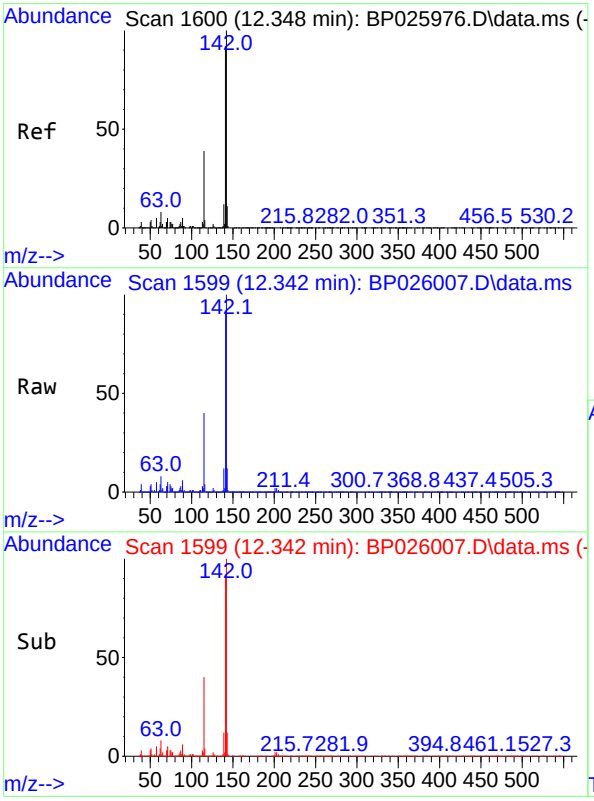
#37
2-Methylnaphthalene
Concen: 46.388 ng
RT: 12.119 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:142 Resp: 1153623

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.9	106.3
115	38.0	29.9	44.9

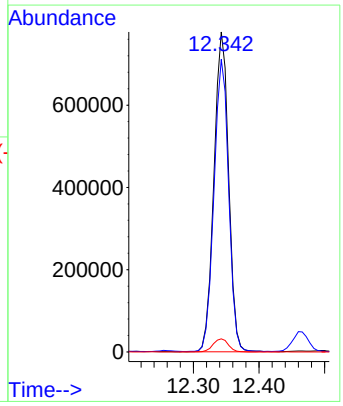


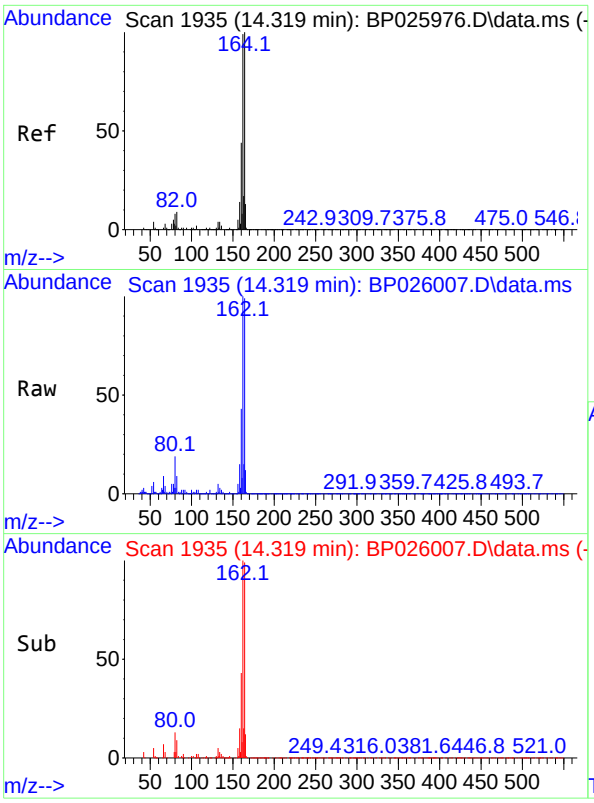


#38
1-Methylnaphthalene
Concen: 45.911 ng
RT: 12.342 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:142 Resp: 1204332

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.7	110.5
116	4.1	3.2	4.8



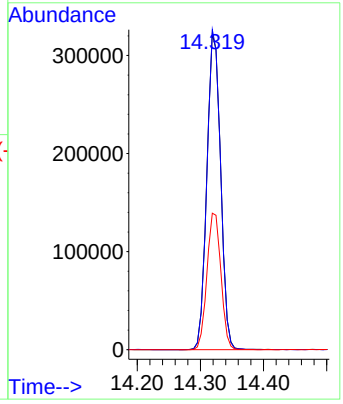


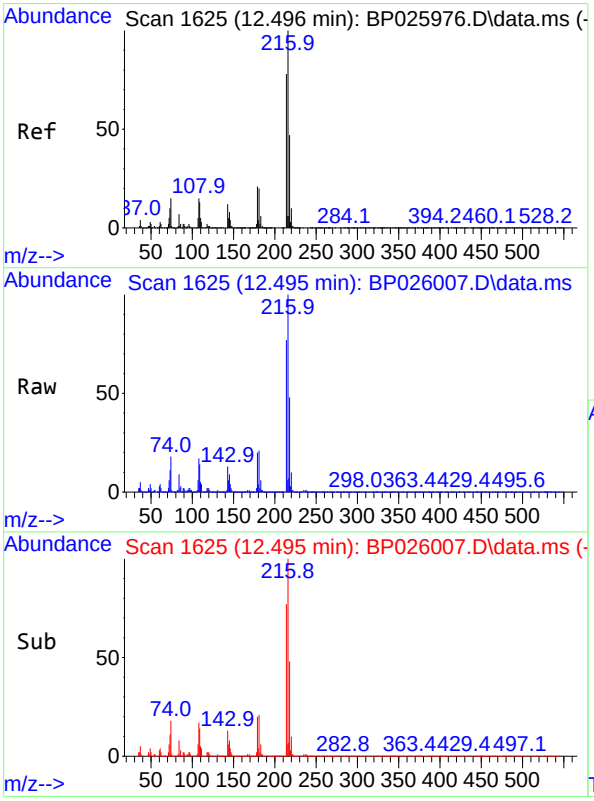
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:164 Resp: 487784

Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.3	118.9
160	43.2	35.4	53.0

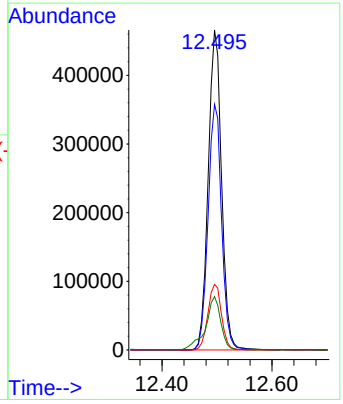


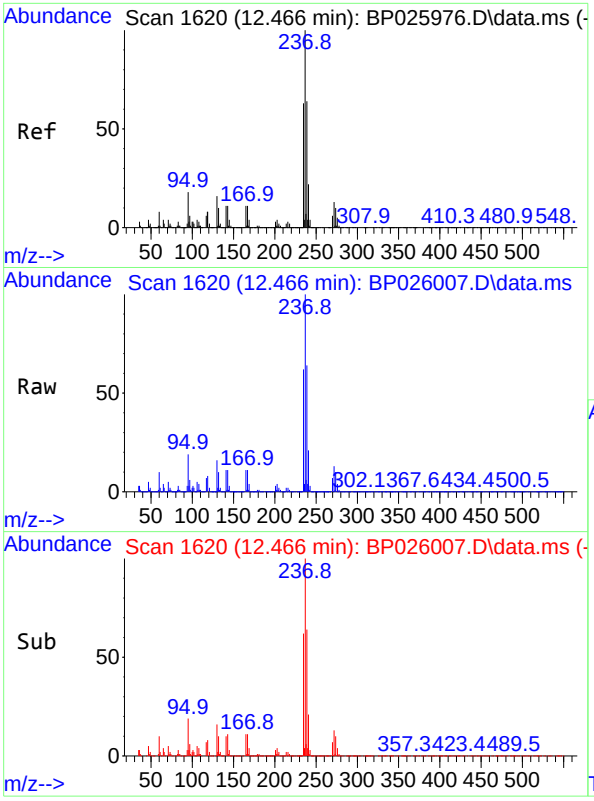


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.340 ng
RT: 12.495 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:216 Resp: 783695

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.6	94.0
179	21.0	16.5	24.7
108	18.9	13.4	20.0



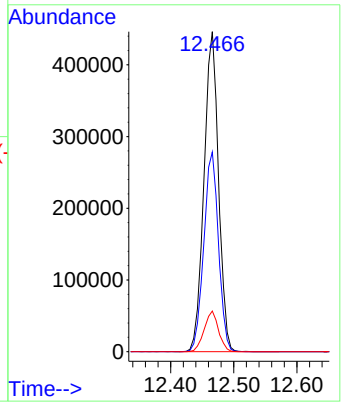


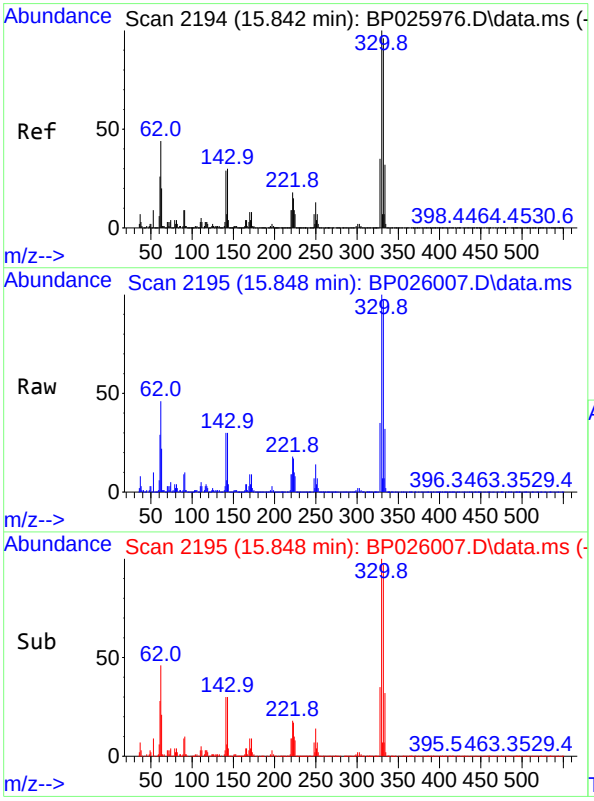
#41
Hexachlorocyclopentadiene
Concen: 76.357 ng
RT: 12.466 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:237 Resp: 712398

Ion	Ratio	Lower	Upper
237	100		
235	62.4	43.1	83.1
272	12.7	0.0	33.4

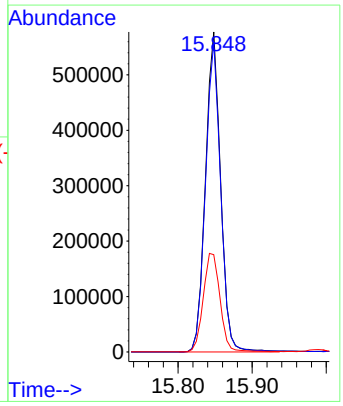


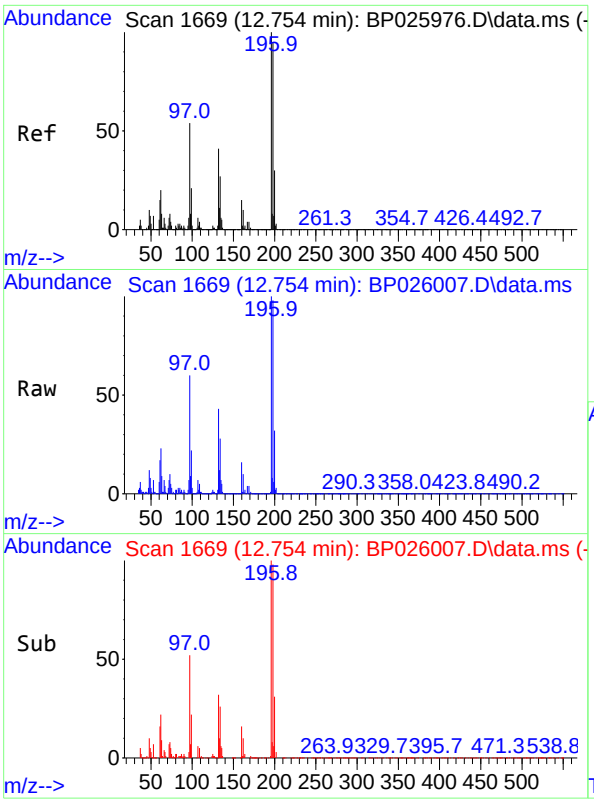


#42
2,4,6-Tribromophenol
Concen: 125.064 ng
RT: 15.848 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:330 Resp: 821262

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.8	116.8
141	34.0	25.6	38.4



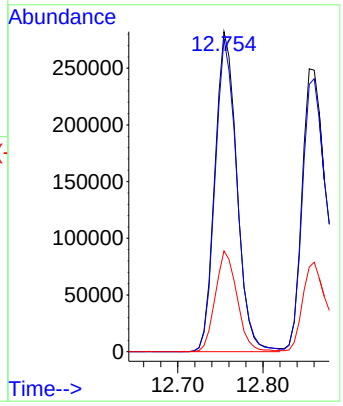


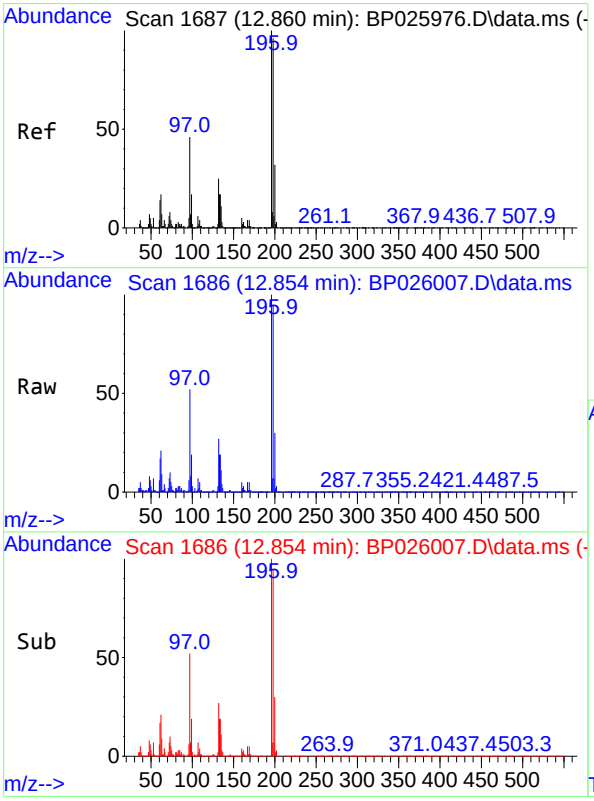
#43
2,4,6-Trichlorophenol
Concen: 50.295 ng
RT: 12.754 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:196 Resp: 507072

Ion	Ratio	Lower	Upper
196	100		
198	97.8	76.3	114.5
200	31.5	23.9	35.9

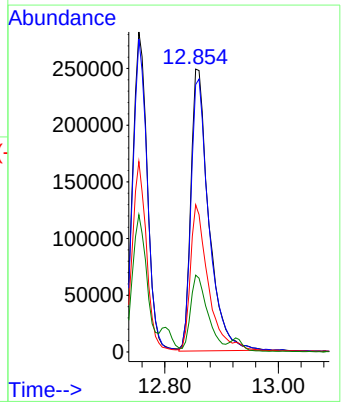


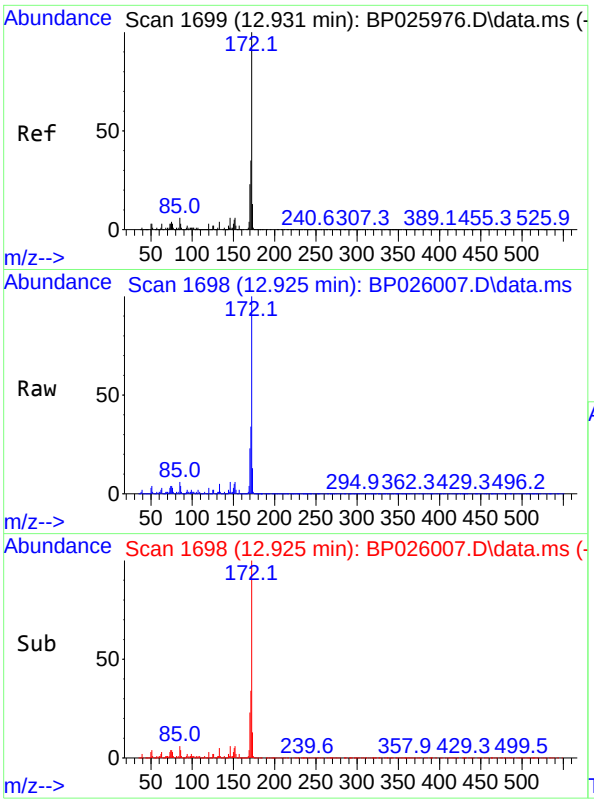


#44
2,4,5-Trichlorophenol
Concen: 49.952 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:196 Resp: 548401

Ion	Ratio	Lower	Upper
196	100		
198	94.5	77.0	115.4
97	52.0	36.6	54.8
132	27.2	20.1	30.1



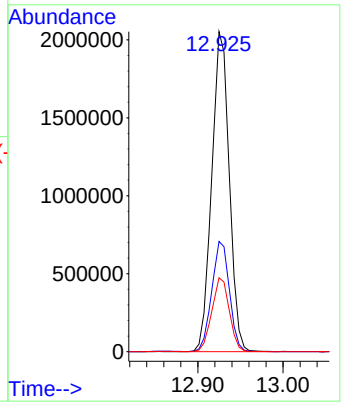


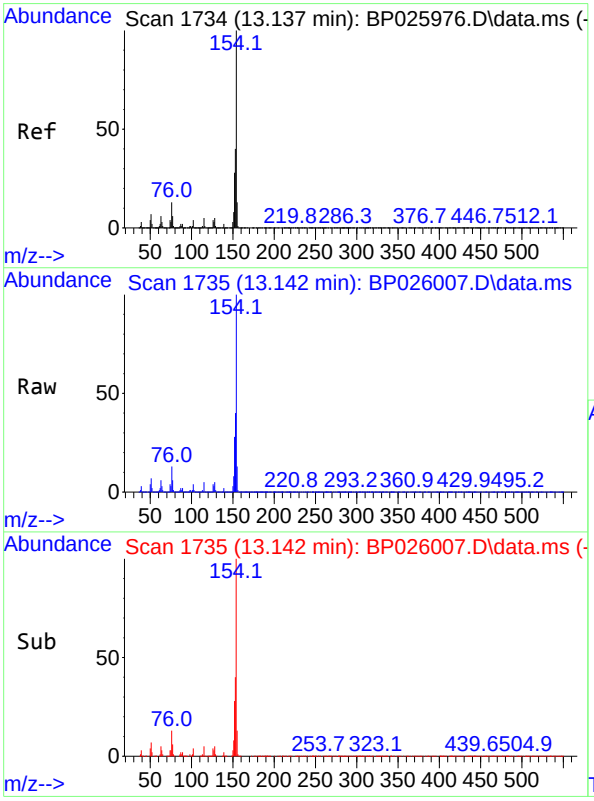
#45
2-Fluorobiphenyl
Concen: 76.935 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:172 Resp: 2927899

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.8
170	23.1	18.5	27.7

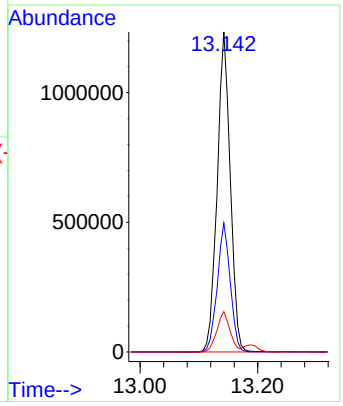


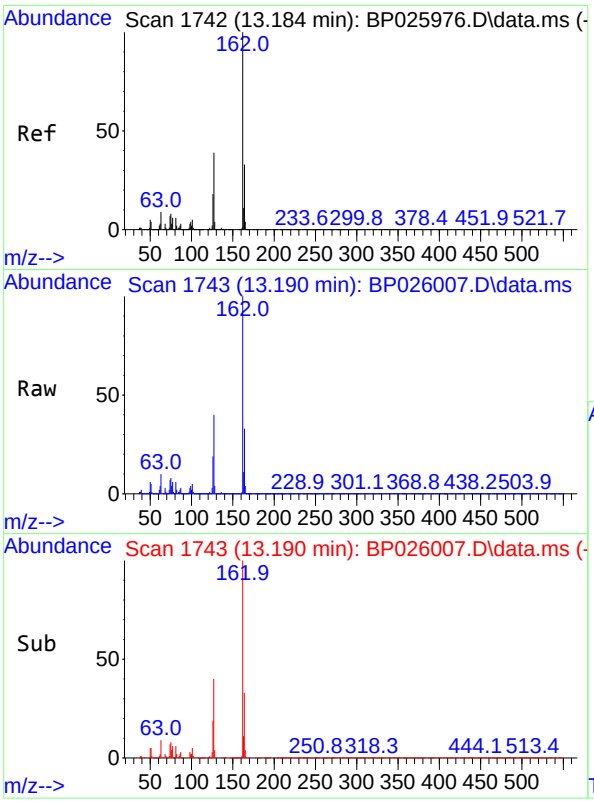


#46
1,1'-Biphenyl
Concen: 51.700 ng
RT: 13.142 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:154 Resp: 1904987

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.1	60.1
76	12.6	0.0	33.1



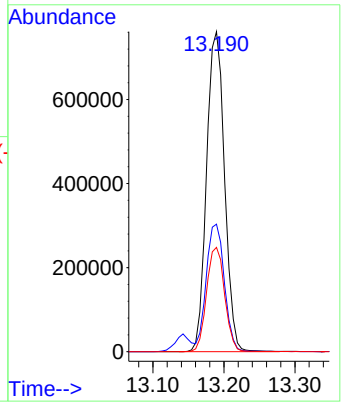


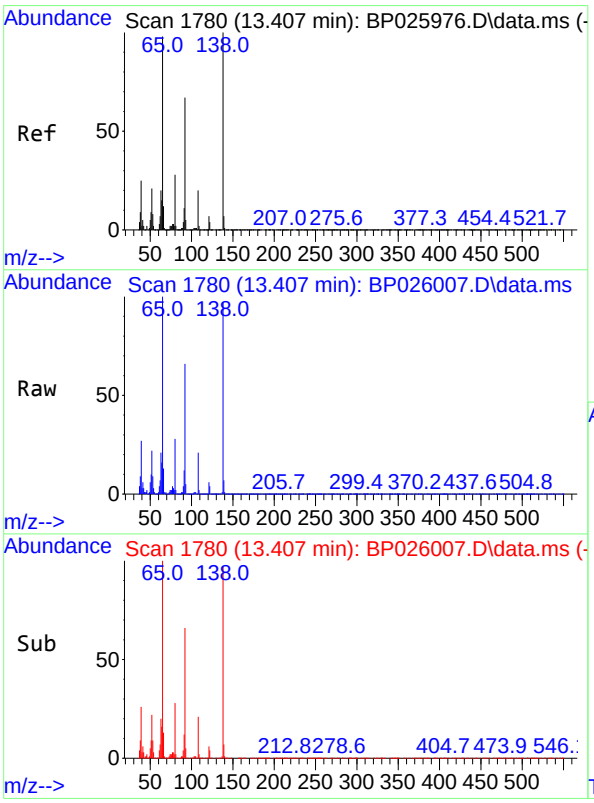
#47
2-Chloronaphthalene
Concen: 46.490 ng
RT: 13.190 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:162 Resp: 1339377

Ion	Ratio	Lower	Upper
162	100		
127	39.8	31.4	47.0
164	32.6	26.4	39.6

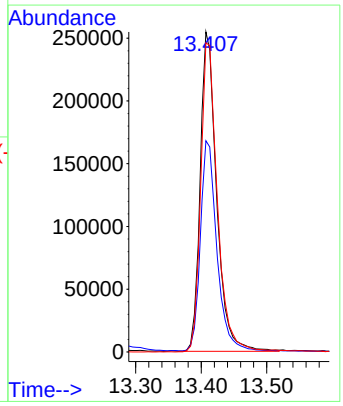


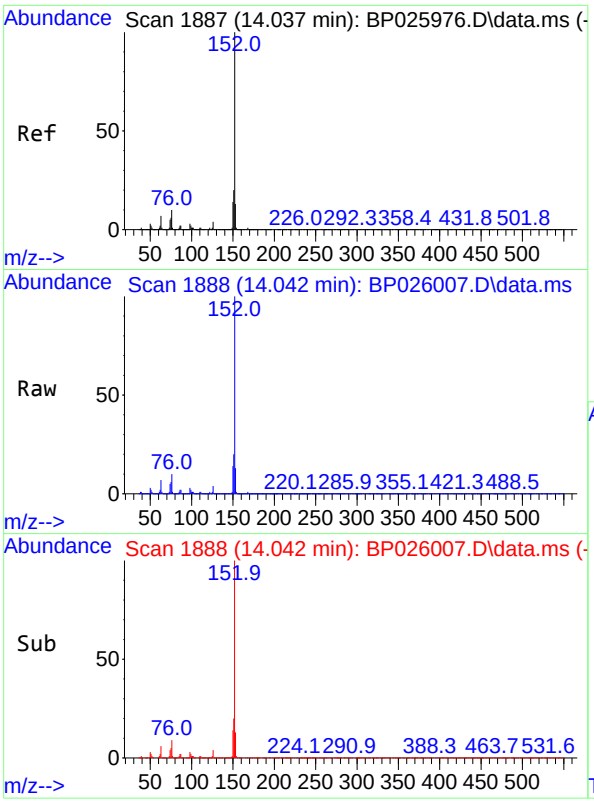


#48
2-Nitroaniline
Concen: 49.403 ng
RT: 13.407 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion: 65 Resp: 443601

Ion	Ratio	Lower	Upper
65	100		
92	66.0	55.0	82.4
138	96.6	82.0	123.0



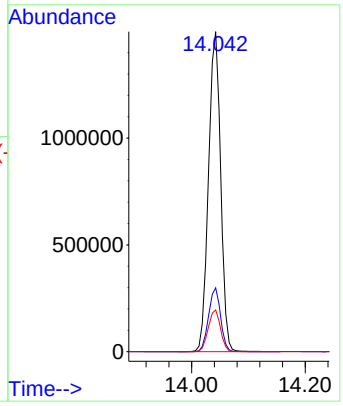


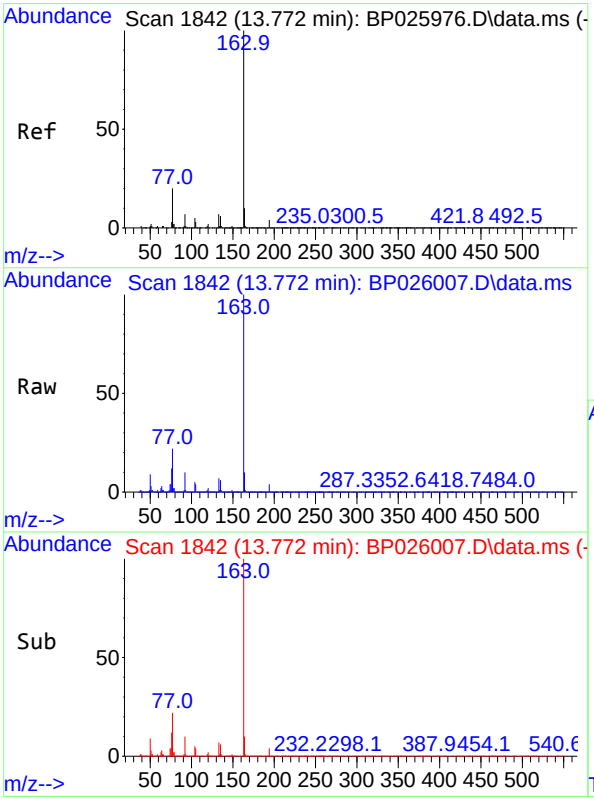
#49
Acenaphthylene
Concen: 47.400 ng
RT: 14.042 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:152 Resp: 2208064

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.1	10.6	15.8

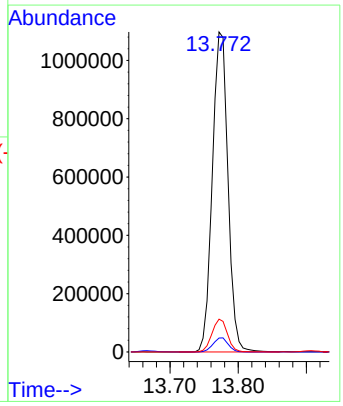


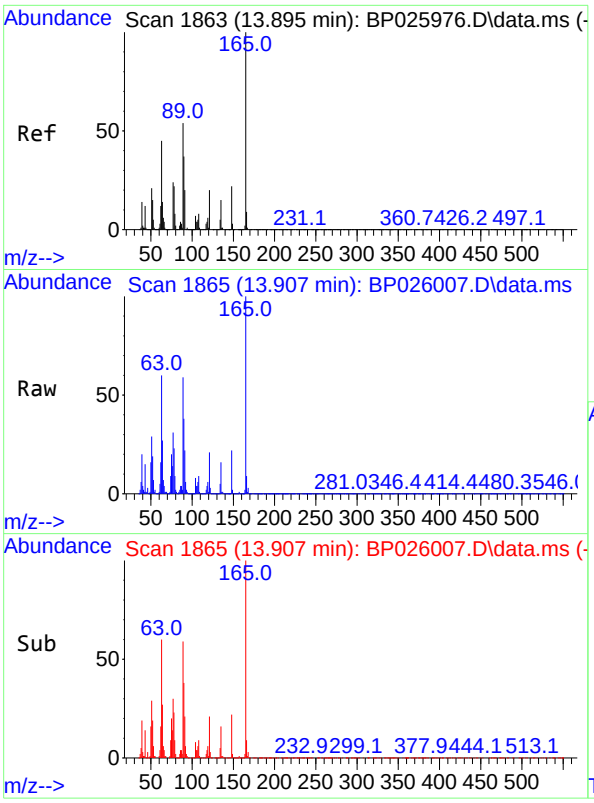


#50
Dimethylphthalate
Concen: 47.476 ng
RT: 13.772 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:163 Resp: 1750415

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.6	5.4
164	10.3	8.2	12.2



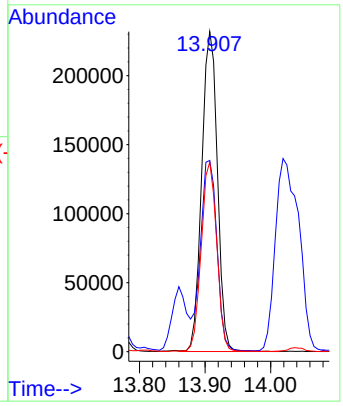


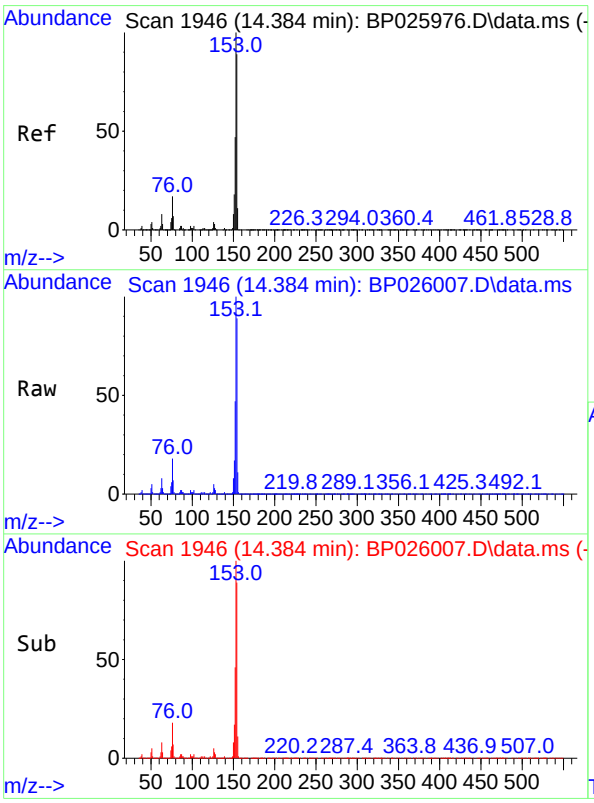
#51
2,6-Dinitrotoluene
Concen: 48.440 ng
RT: 13.907 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:165 Resp: 385612

Ion	Ratio	Lower	Upper
165	100		
63	59.7	45.4	68.0
89	59.3	43.4	65.0

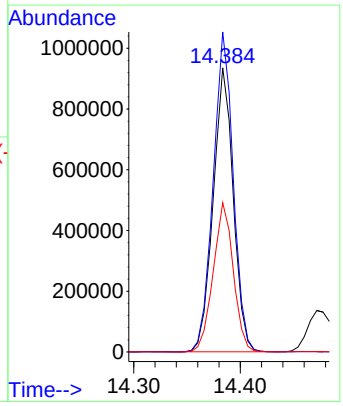


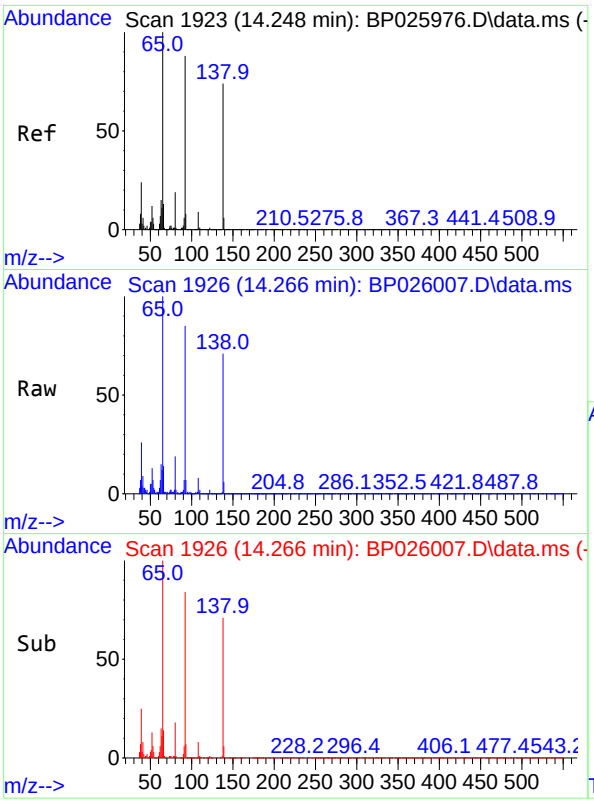


#52
Acenaphthene
Concen: 45.488 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:154 Resp: 1223610

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.2	135.2
152	52.5	42.2	63.2



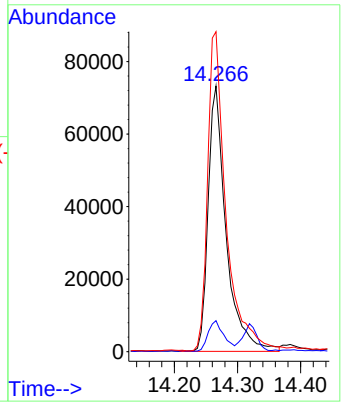


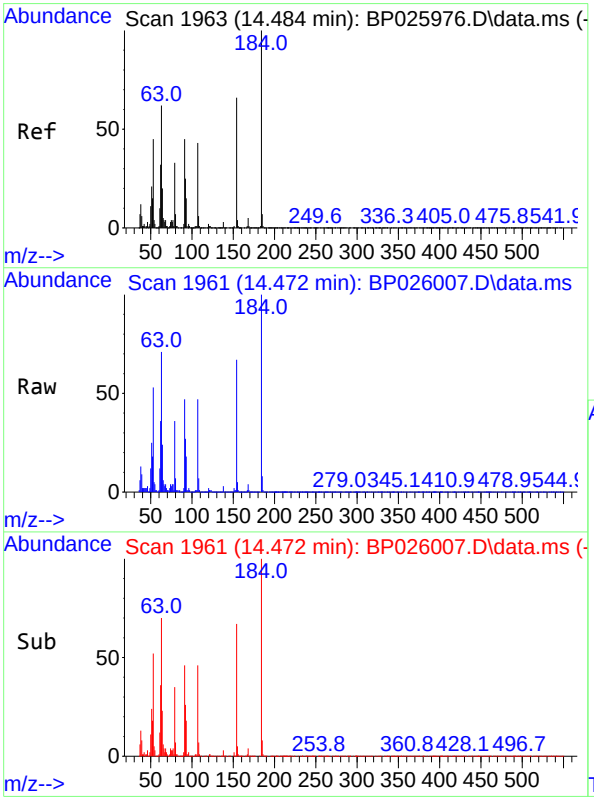
#53
3-Nitroaniline
Concen: 18.264 ng
RT: 14.266 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:138 Resp: 144809

Ion	Ratio	Lower	Upper
138	100		
108	11.7	10.0	15.0
92	120.5	96.1	144.1

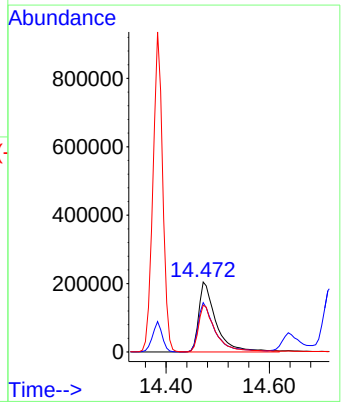


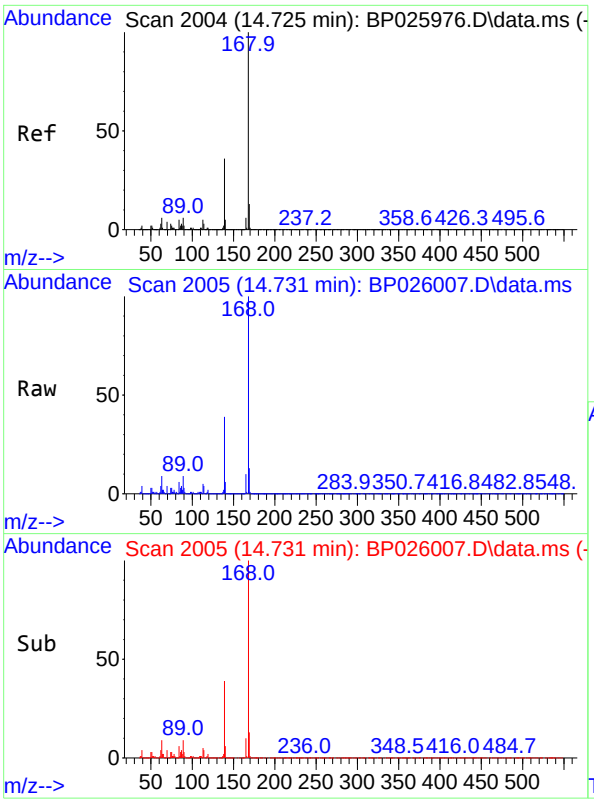


#54
2,4-Dinitrophenol
Concen: 86.553 ng
RT: 14.472 min Scan# 1961
Delta R.T. -0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:184 Resp: 470818

Ion	Ratio	Lower	Upper
184	100		
63	70.6	50.2	75.2
154	66.8	54.2	81.4



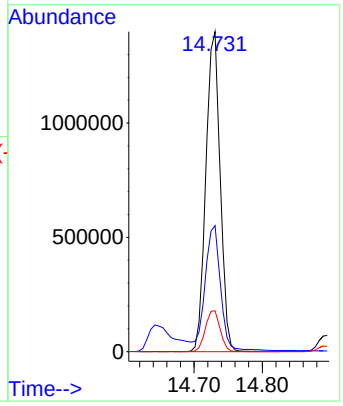


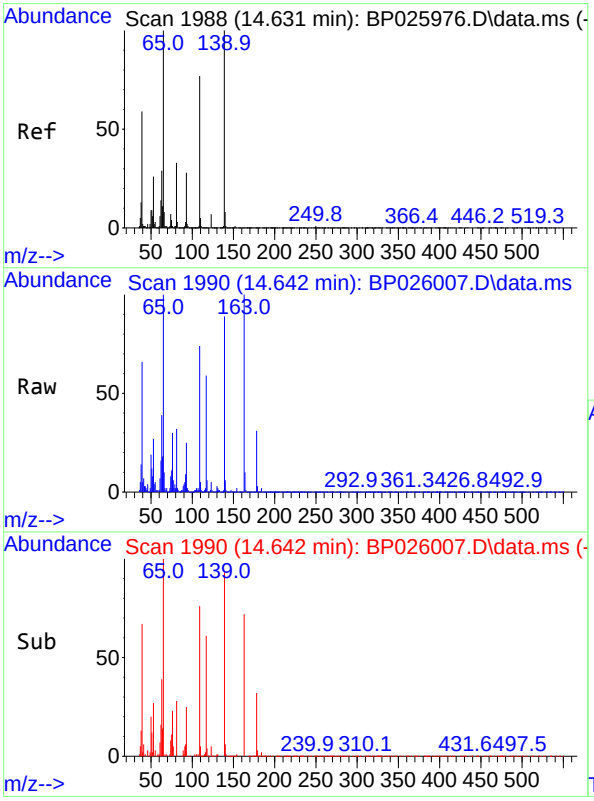
#55
Dibenzofuran
Concen: 47.447 ng
RT: 14.731 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:168 Resp: 2043677

Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.5	45.7
169	12.8	10.6	15.8

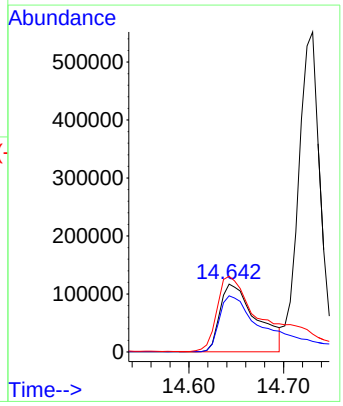


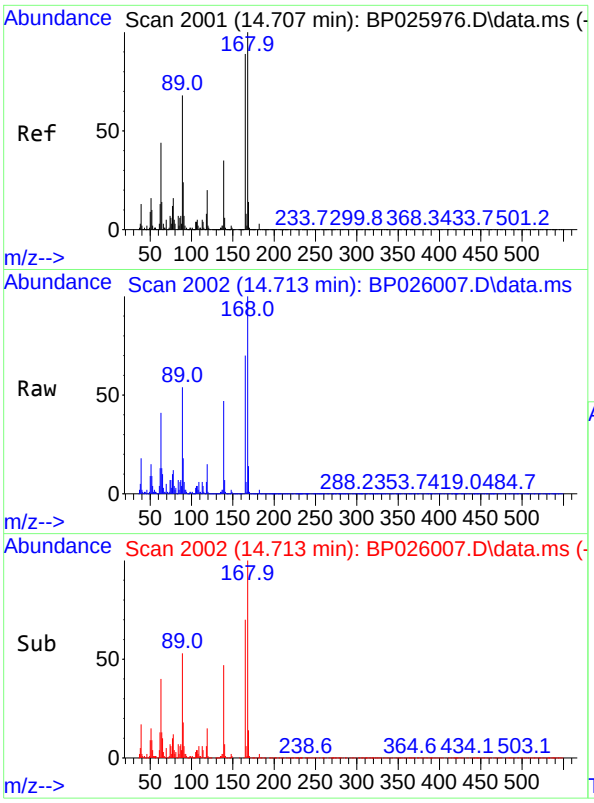


#56
4-Nitrophenol
Concen: 65.216 ng
RT: 14.642 min Scan# 1990
Delta R.T. 0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:139 Resp: 313584

Ion	Ratio	Lower	Upper
139	100		
109	82.6	57.6	97.6
65	111.5	81.4	121.4



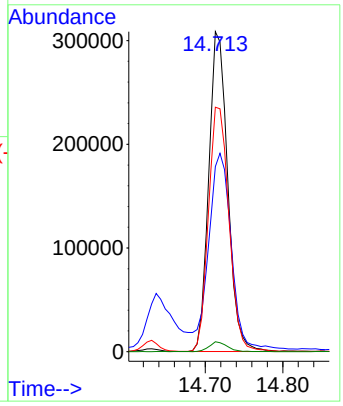


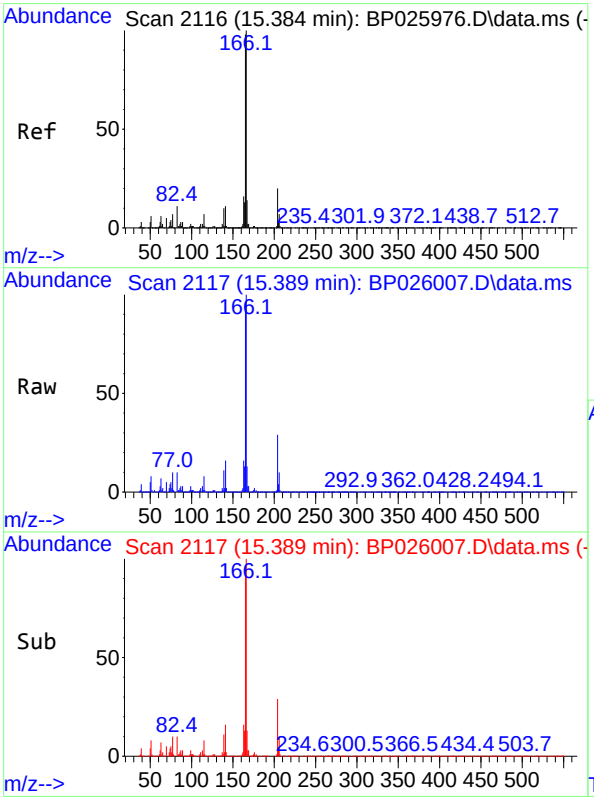
#57
2,4-Dinitrotoluene
Concen: 48.684 ng
RT: 14.713 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:165 Resp: 525129

Ion	Ratio	Lower	Upper
165	100		
63	57.9	41.8	62.6
89	76.4	61.6	92.4
182	3.1	2.4	3.6

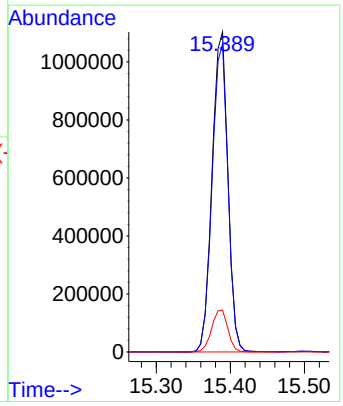


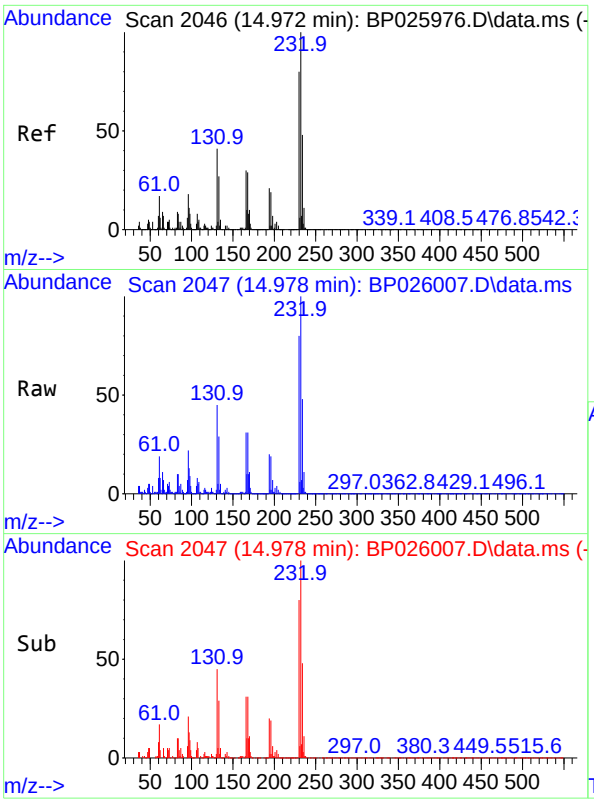


#58
Fluorene
Concen: 47.074 ng
RT: 15.389 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:166 Resp: 1629250

Ion	Ratio	Lower	Upper
166	100		
165	96.3	78.2	117.2
167	13.1	10.8	16.2



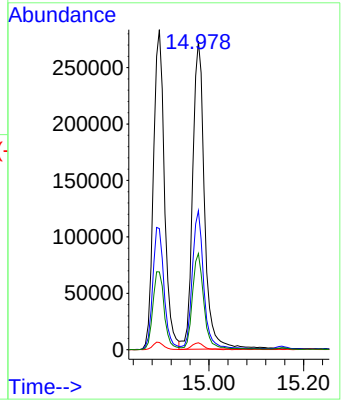


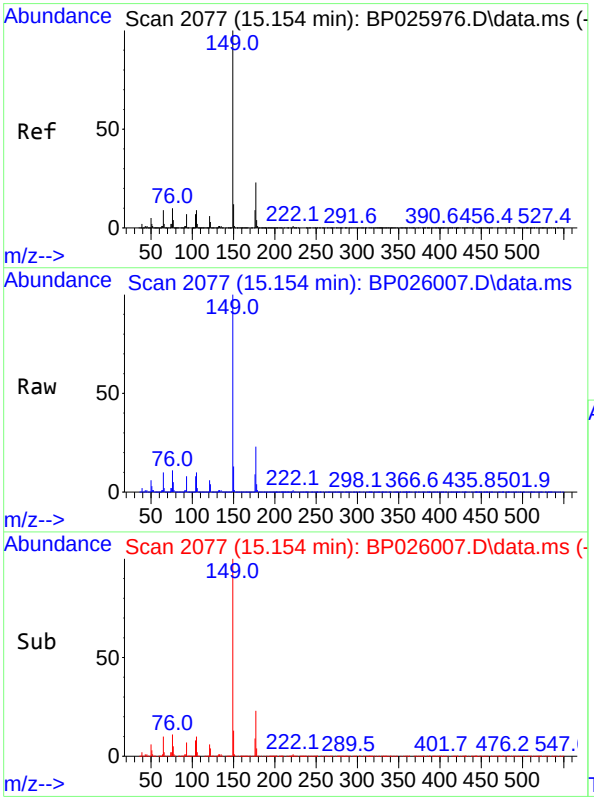
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.255 ng
RT: 14.978 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:232 Resp: 475357

Ion	Ratio	Lower	Upper
232	100		
131	43.0	33.8	50.8
130	2.3	1.8	2.8
166	30.5	23.7	35.5

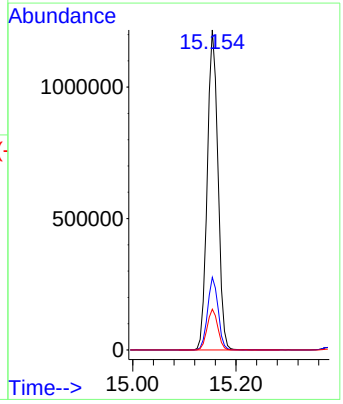


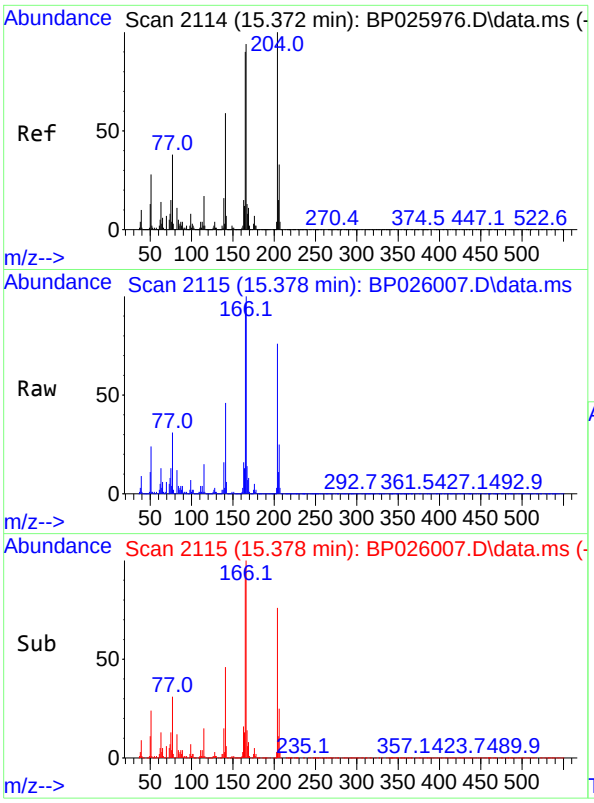


#60
Diethylphthalate
Concen: 47.947 ng
RT: 15.154 min Scan# 2077
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:149 Resp: 1742990

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.7	9.8	14.6



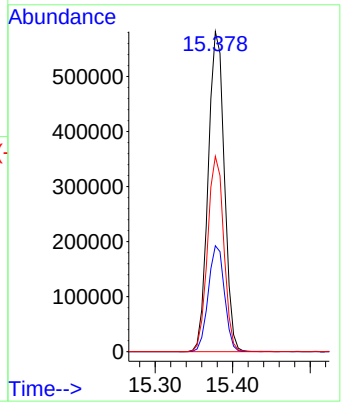


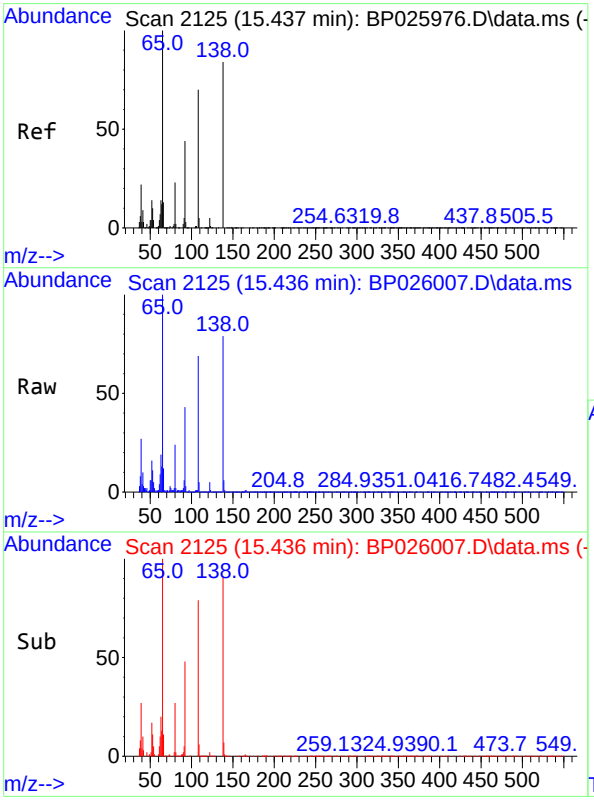
#61
4-Chlorophenyl-phenylether
Concen: 46.254 ng
RT: 15.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:204 Resp: 841824

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	61.0	47.2	70.8

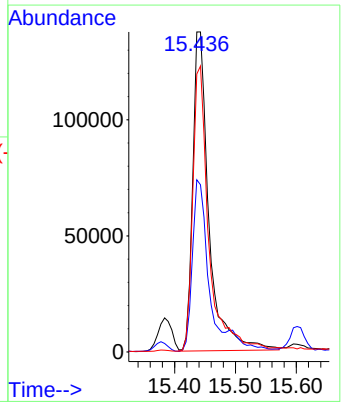


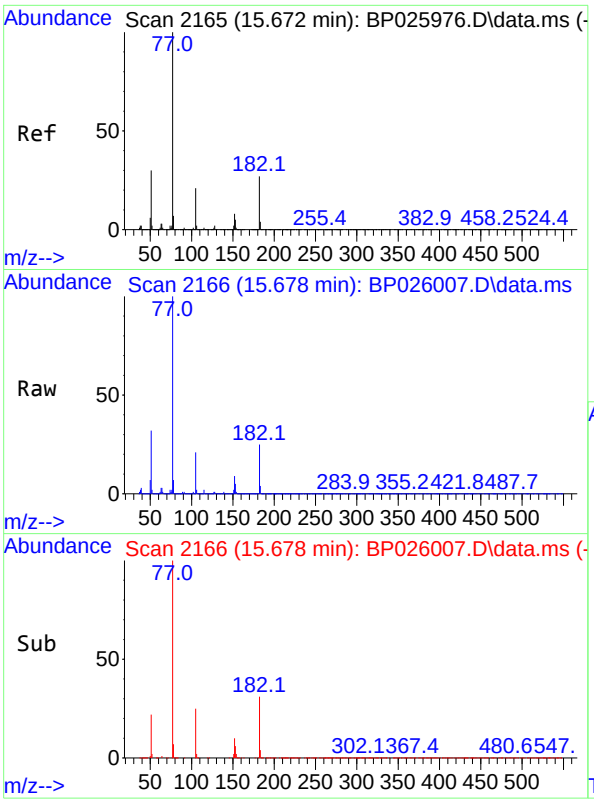


#62
4-Nitroaniline
Concen: 34.633 ng
RT: 15.436 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:138 Resp: 254442

Ion	Ratio	Lower	Upper
138	100		
92	53.8	32.5	72.5
108	86.9	62.7	102.7



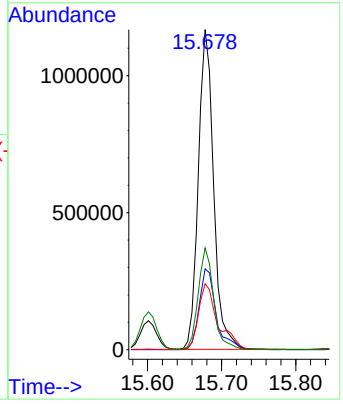


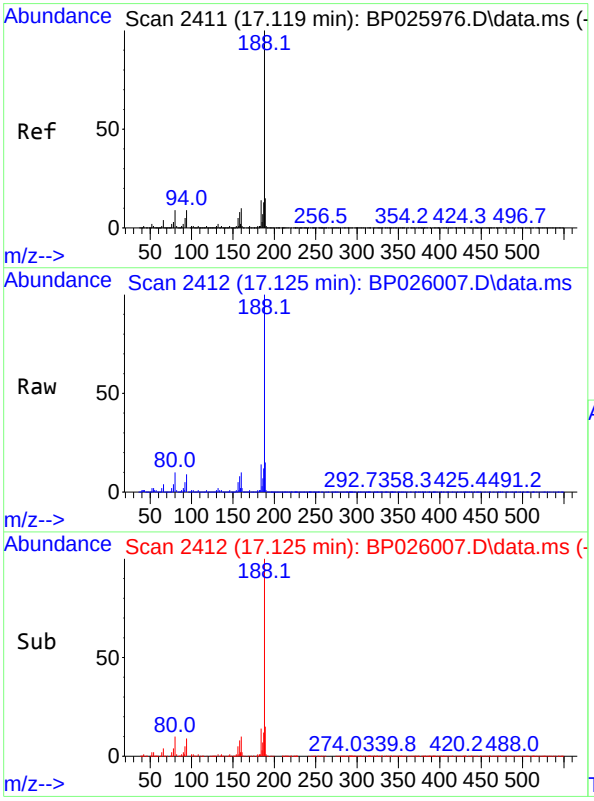
#63
Azobenzene
Concen: 49.390 ng
RT: 15.678 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion: 77 Resp: 1673511

Ion	Ratio	Lower	Upper
77	100		
182	25.2	6.6	46.6
105	20.6	1.3	41.3
51	31.8	10.1	50.1

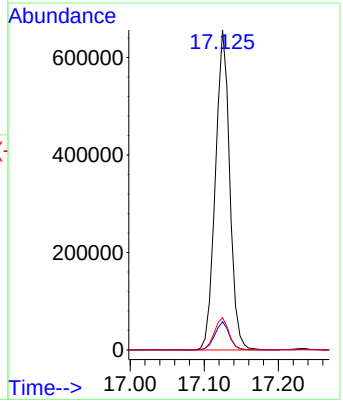


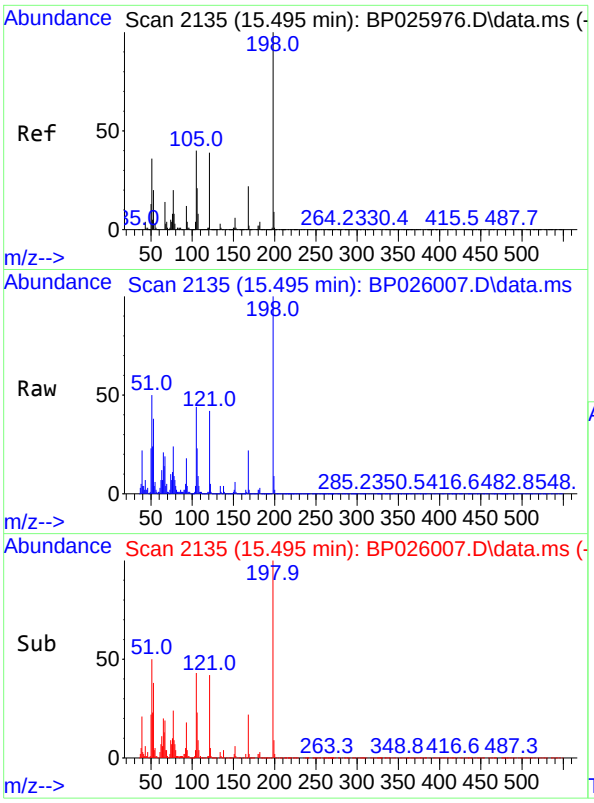


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:188 Resp: 880724

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.8	10.2
80	10.1	7.2	10.8



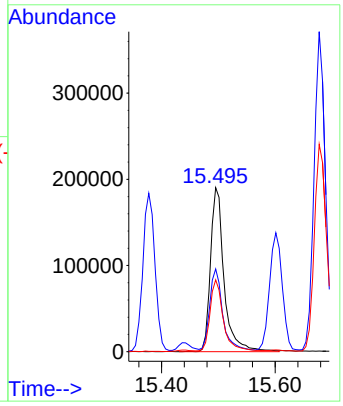


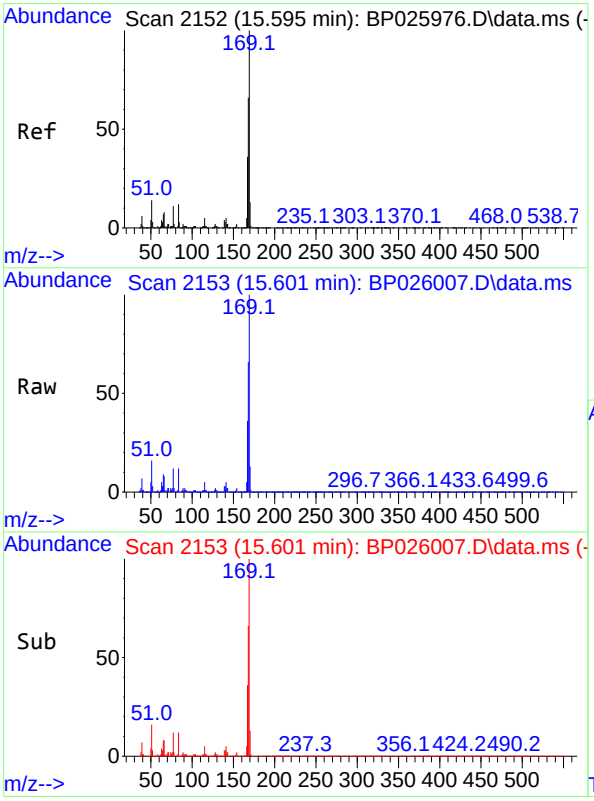
#65
4,6-Dinitro-2-methylphenol
Concen: 49.345 ng
RT: 15.495 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:198 Resp: 314104

Ion	Ratio	Lower	Upper
198	100		
51	50.4	22.1	62.1
105	43.8	20.8	60.8

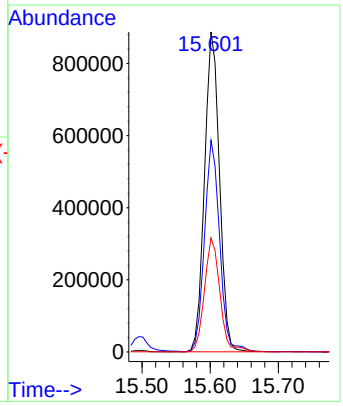


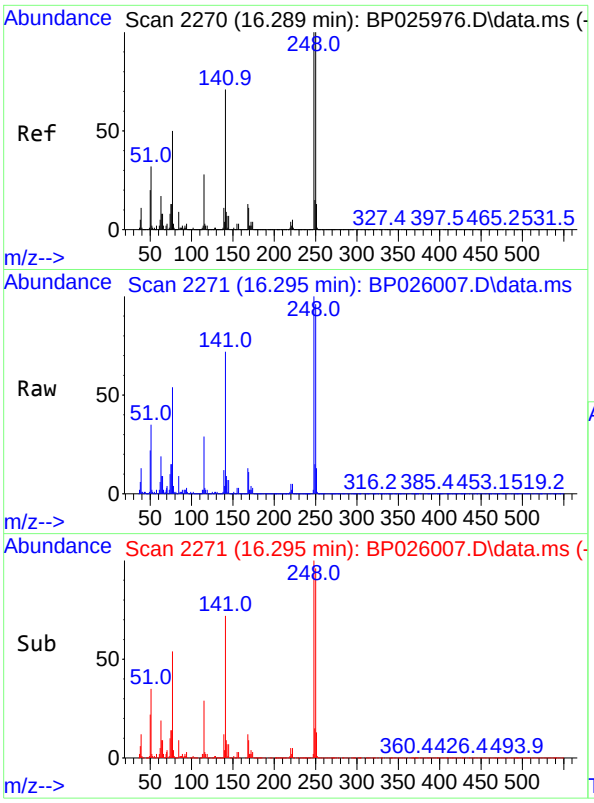


#66
n-Nitrosodiphenylamine
Concen: 47.904 ng
RT: 15.601 min Scan# 2153
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:169 Resp: 1357411

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.2	79.8
167	35.6	28.6	42.8



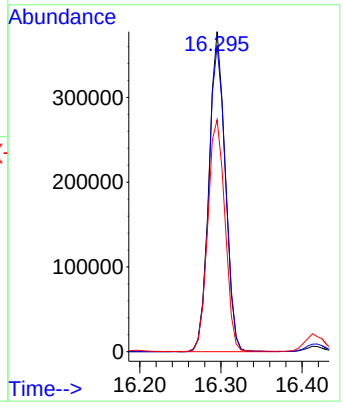


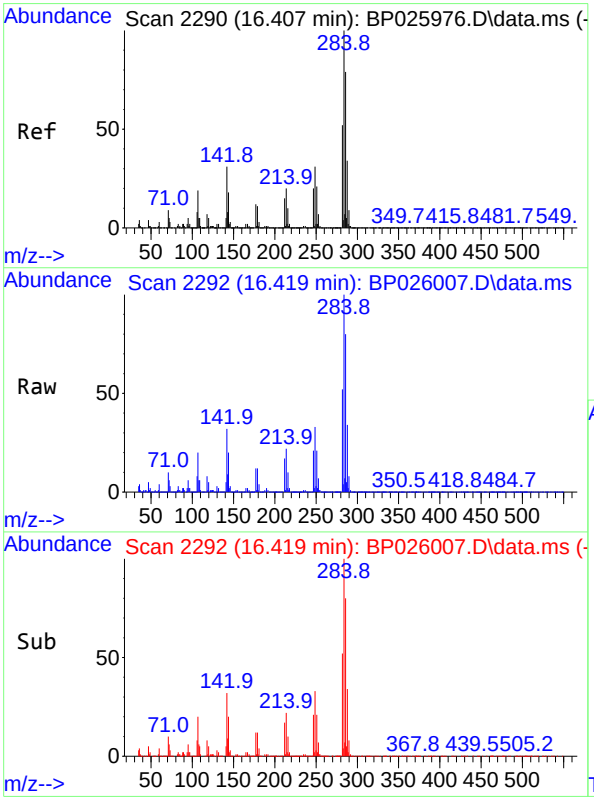
#67
4-Bromophenyl-phenylether
Concen: 48.366 ng
RT: 16.295 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:248 Resp: 525764

Ion	Ratio	Lower	Upper
248	100		
250	95.7	79.8	119.6
141	72.5	57.0	85.4

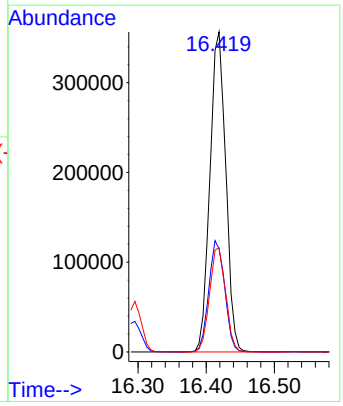


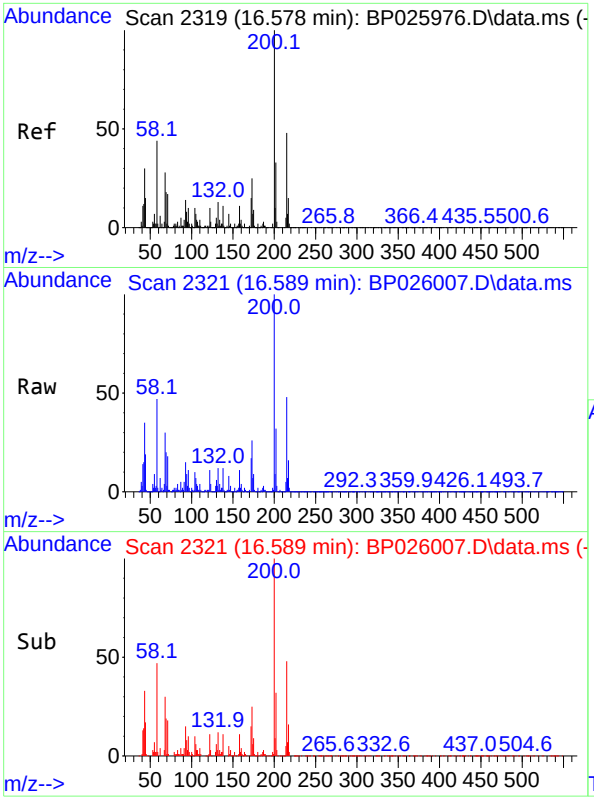


#68
Hexachlorobenzene
Concen: 47.373 ng
RT: 16.419 min Scan# 2292
Delta R.T. 0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:284 Resp: 577720

Ion	Ratio	Lower	Upper
284	100		
142	32.2	24.9	37.3
249	32.6	25.1	37.7



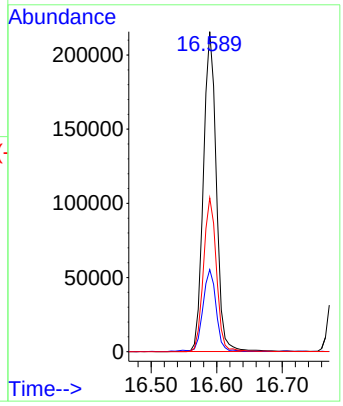


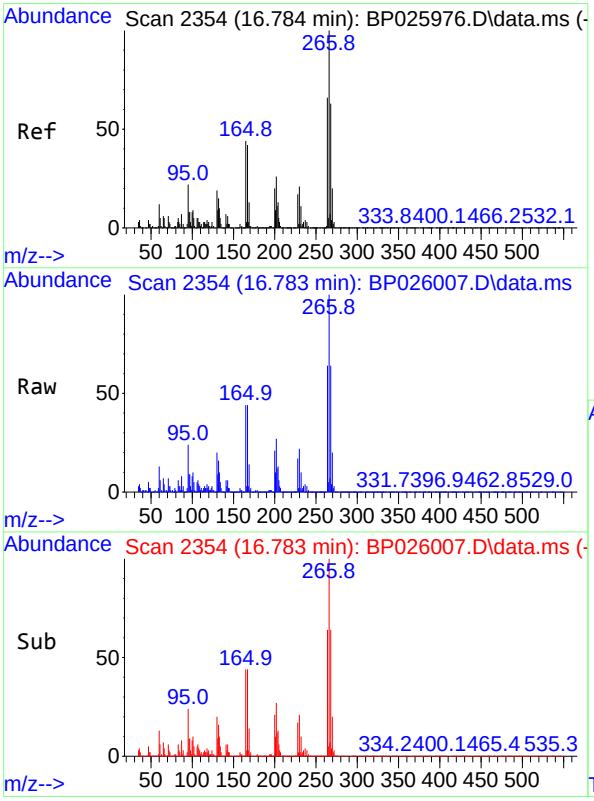
#69
Atrazine
Concen: 28.995 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:200 Resp: 296399

Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.3	45.3
215	48.0	28.2	68.2

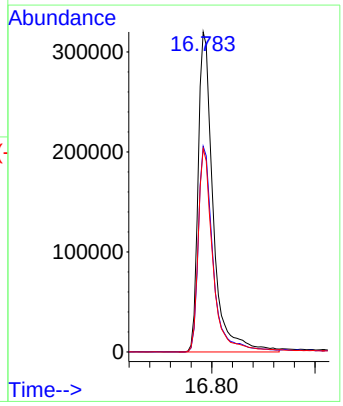


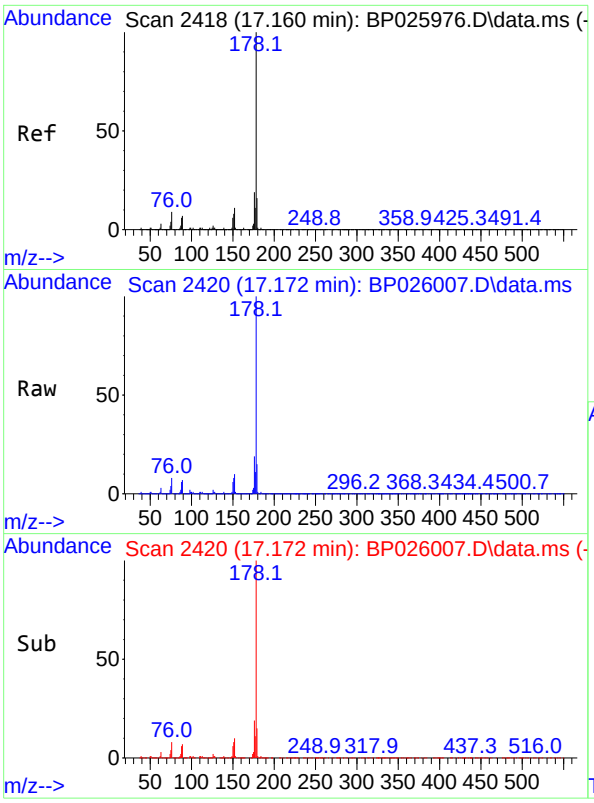


#70
Pentachlorophenol
Concen: 97.778 ng
RT: 16.783 min Scan# 2354
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:266 Resp: 643744

Ion	Ratio	Lower	Upper
266	100		
268	64.3	50.5	75.7
264	63.6	52.9	79.3



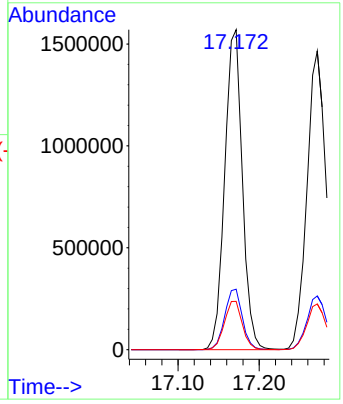


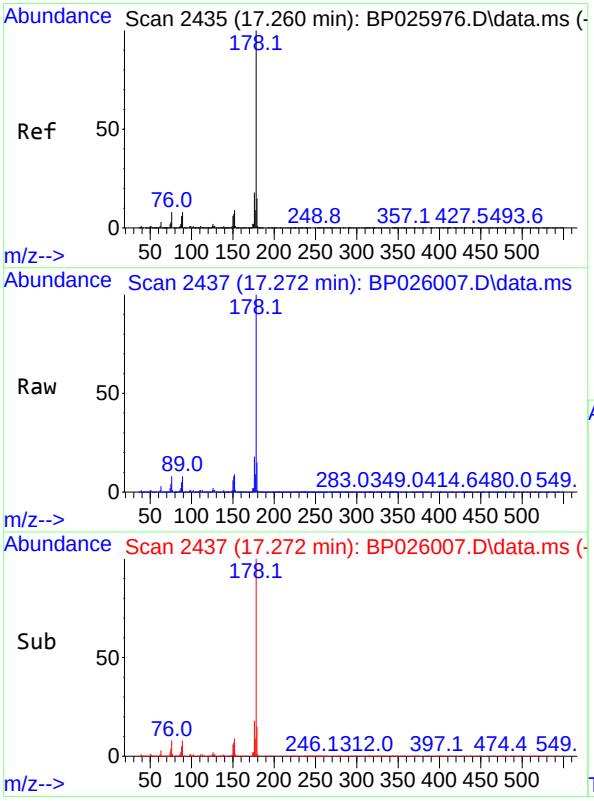
#71
Phenanthrene
Concen: 47.476 ng
RT: 17.172 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:178 Resp: 2369856

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.1	12.7	19.1

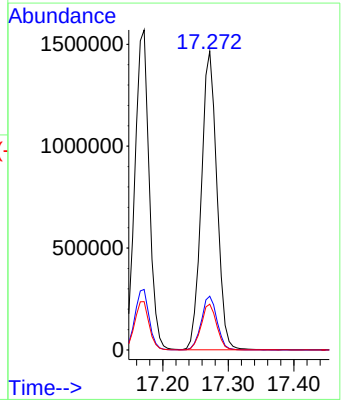


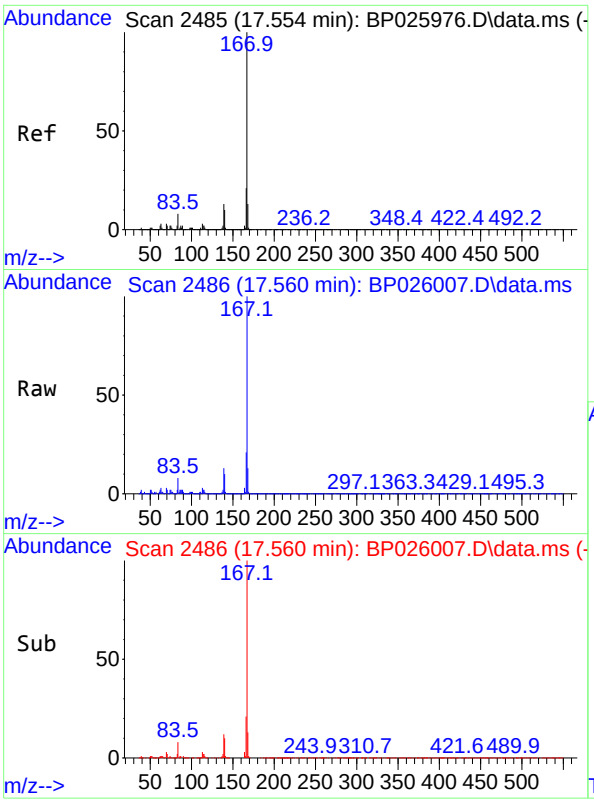


#72
Anthracene
Concen: 47.387 ng
RT: 17.272 min Scan# 2437
Delta R.T. 0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:178 Resp: 2416227

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.8	22.2
179	15.3	12.3	18.5



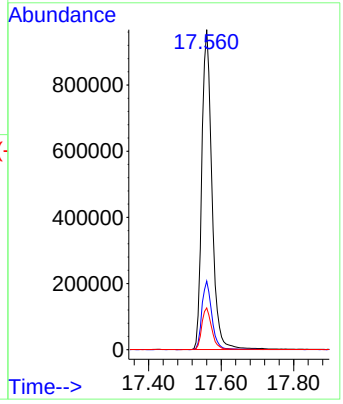


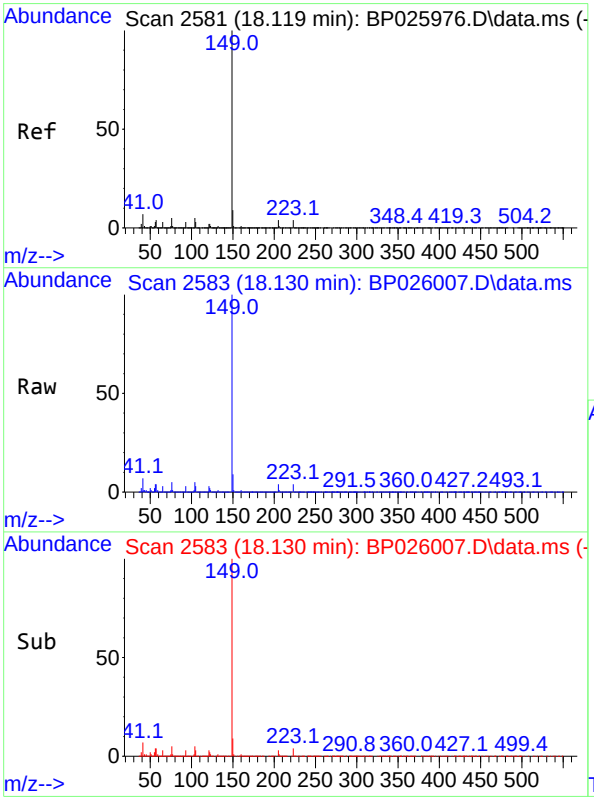
#73
Carbazole
Concen: 41.767 ng
RT: 17.560 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:167 Resp: 1877361

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.7	25.1
139	13.1	10.2	15.2

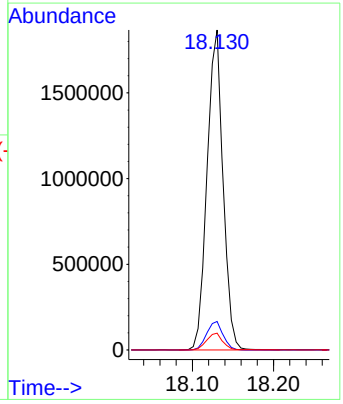


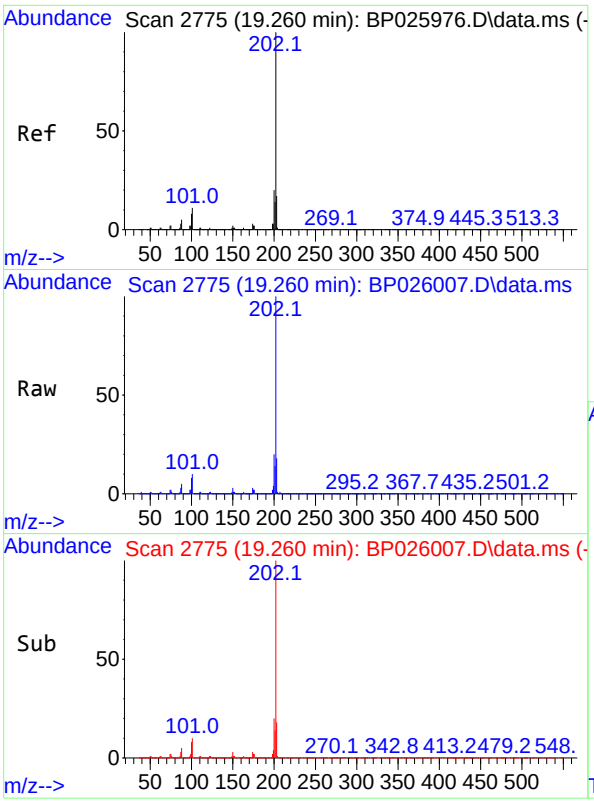


#74
Di-n-butylphthalate
Concen: 45.913 ng
RT: 18.130 min Scan# 2583
Delta R.T. 0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:149 Resp: 2539727

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	5.3	4.1	6.1



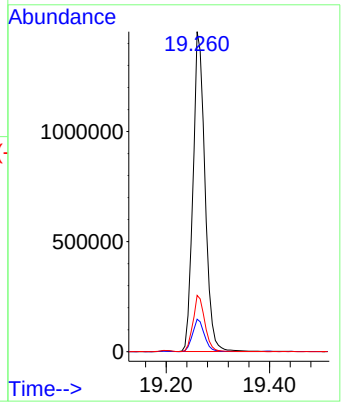


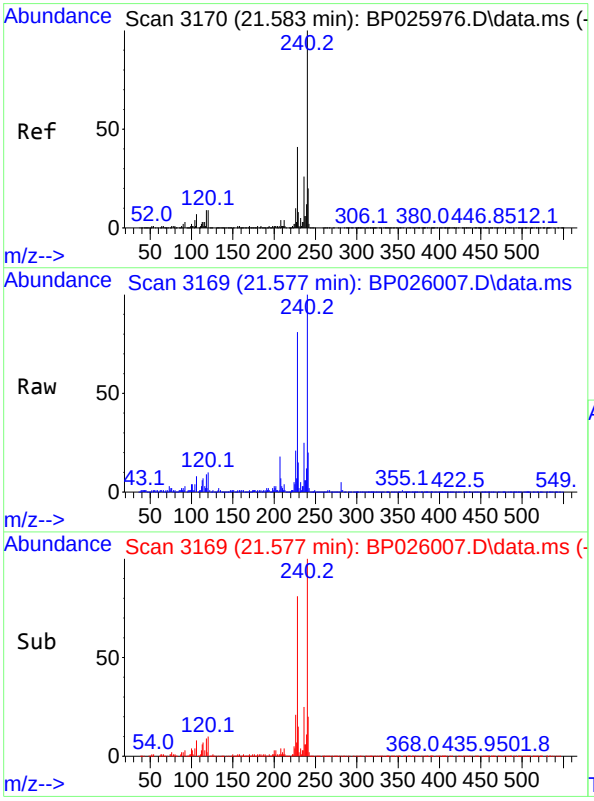
#75
Fluoranthene
Concen: 41.353 ng
RT: 19.260 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:202 Resp: 2328393

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.5
203	17.6	0.0	37.1

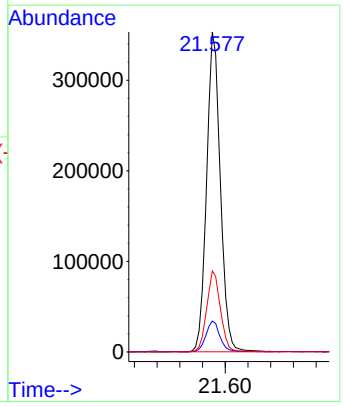


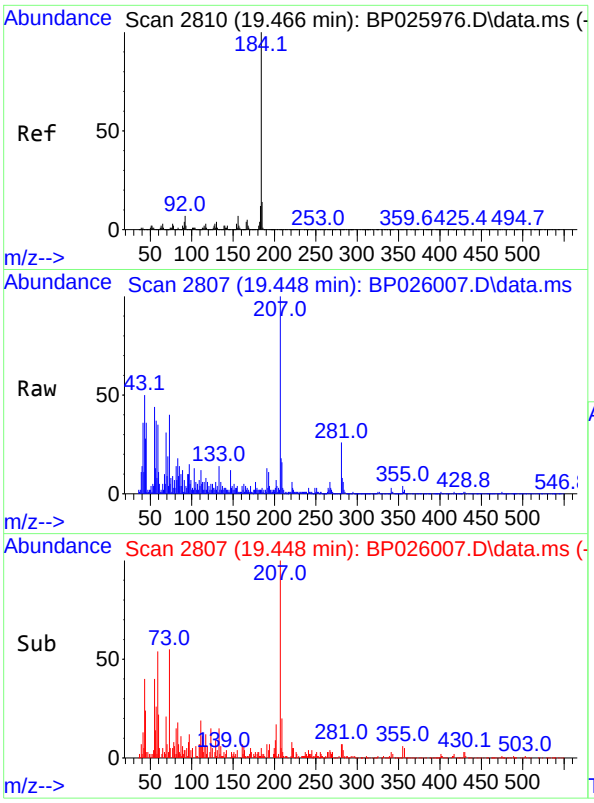


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:240 Resp: 591108

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.4	11.0
236	25.4	20.4	30.6



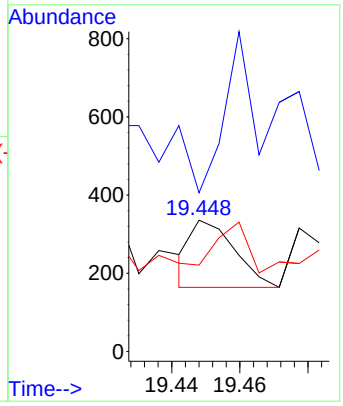


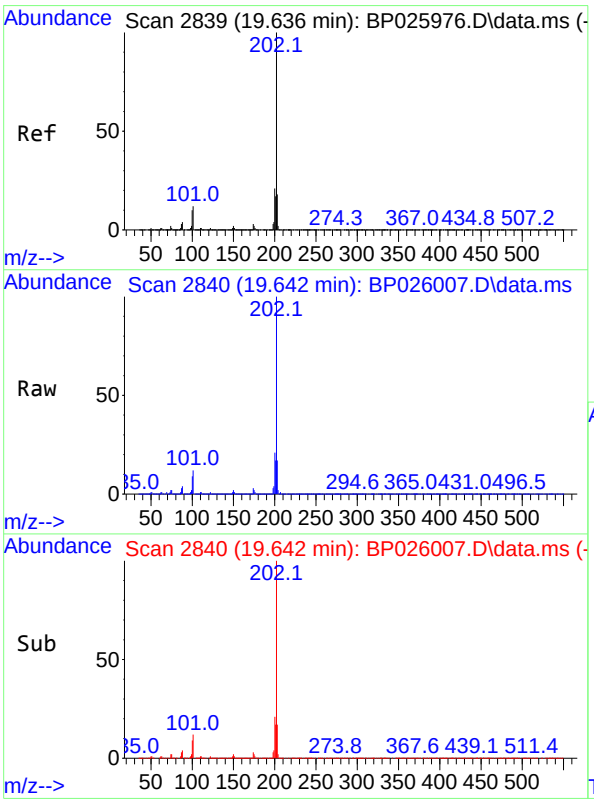
#77
Benzidine
Concen: 0.008 ng
RT: 19.448 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:184 Resp: 152

Ion	Ratio	Lower	Upper
184	100		
185	120.8	11.4	17.0#
183	65.8	9.4	14.2#

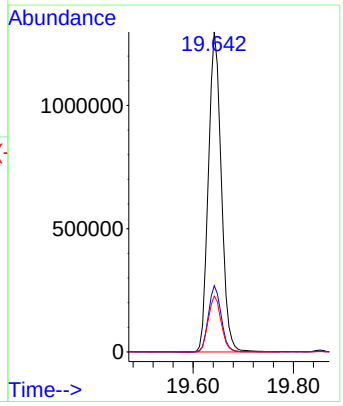


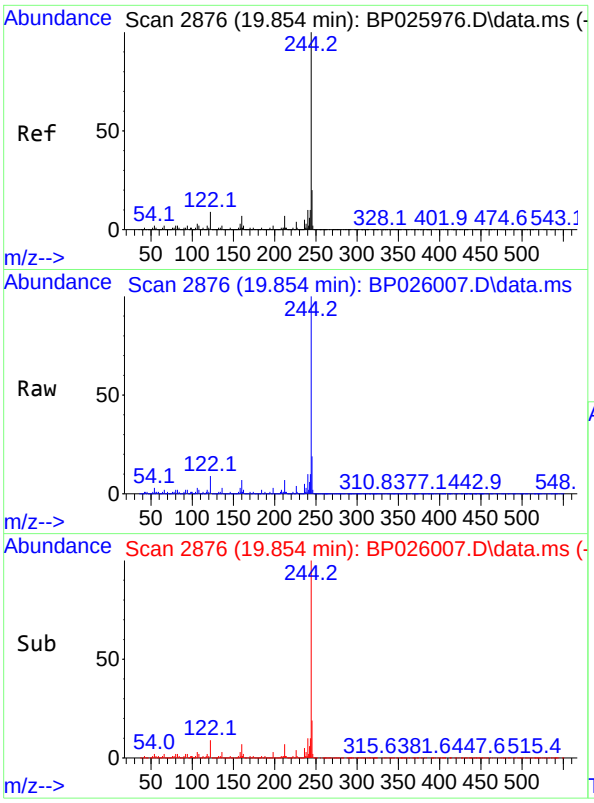


#78
Pyrene
Concen: 53.169 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:202 Resp: 2318029

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.5	14.1	21.1



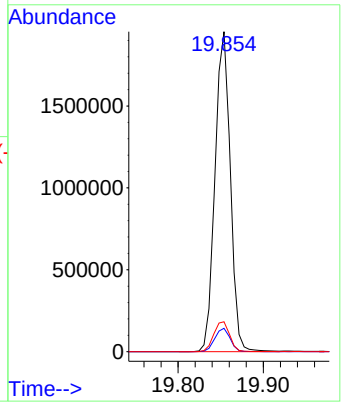


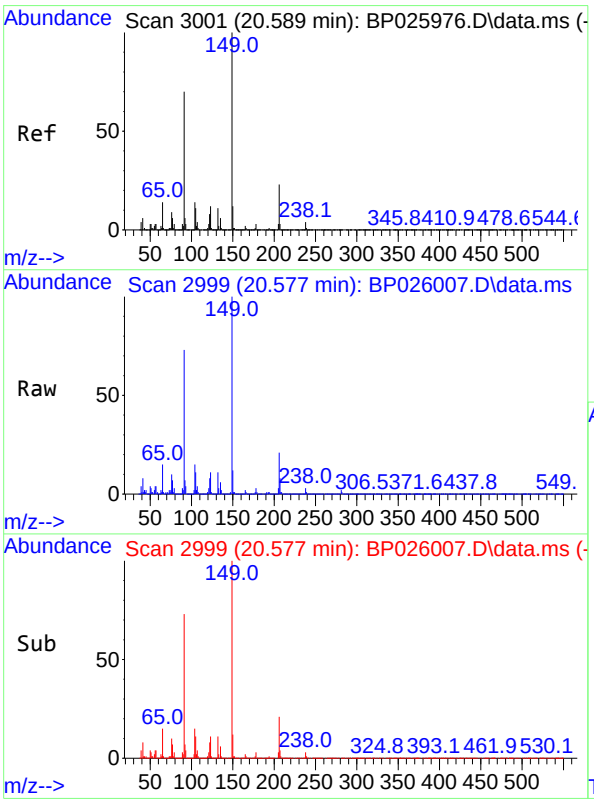
#79
Terphenyl-d14
Concen: 65.958 ng
RT: 19.854 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:244 Resp: 2439541

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	9.4	7.1	10.7

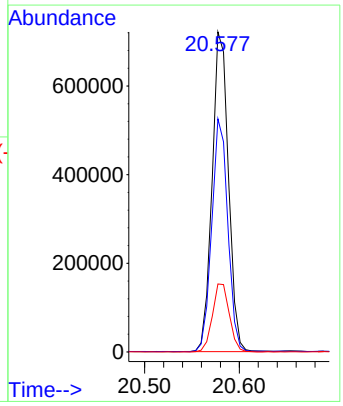


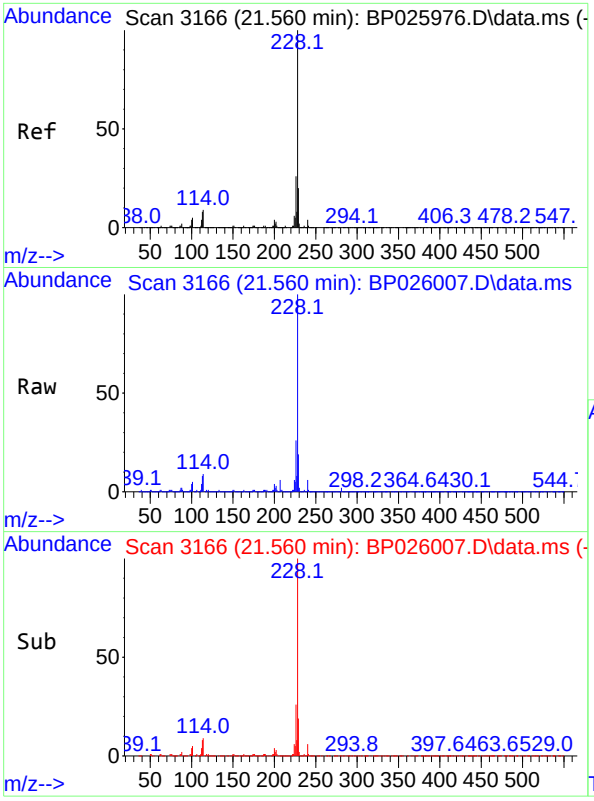


#80
Butylbenzylphthalate
Concen: 49.936 ng
RT: 20.577 min Scan# 2999
Delta R.T. -0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:149 Resp: 866358

Ion	Ratio	Lower	Upper
149	100		
91	72.8	56.0	84.0
206	21.3	18.6	27.8



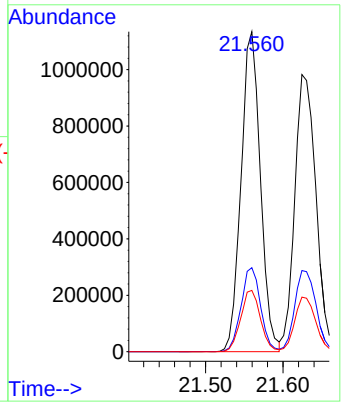


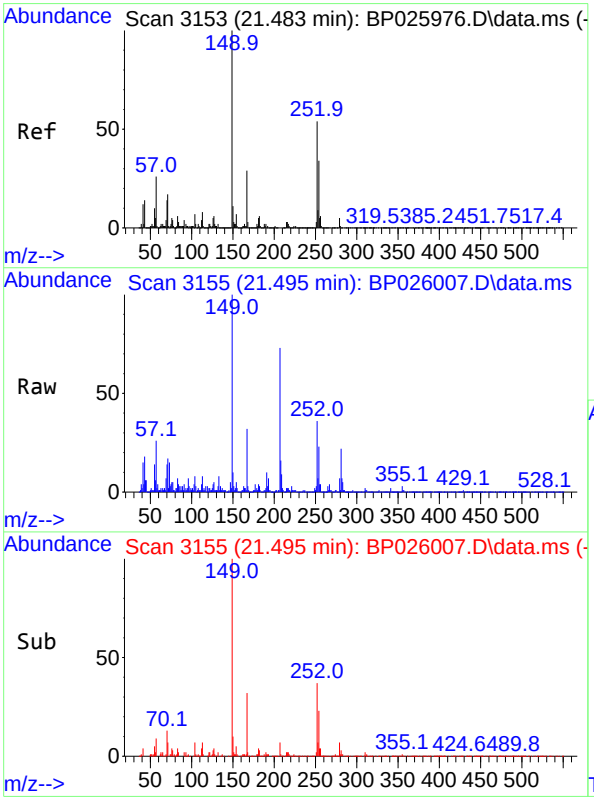
#81
Benzo(a)anthracene
Concen: 48.696 ng
RT: 21.560 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:228 Resp: 1968705

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.0	31.6
229	19.2	15.7	23.5

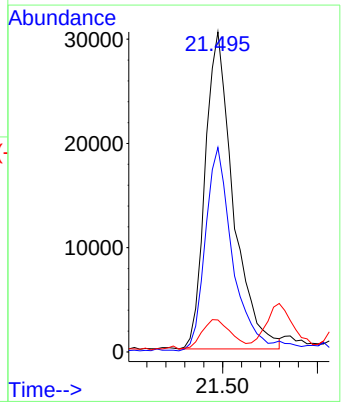


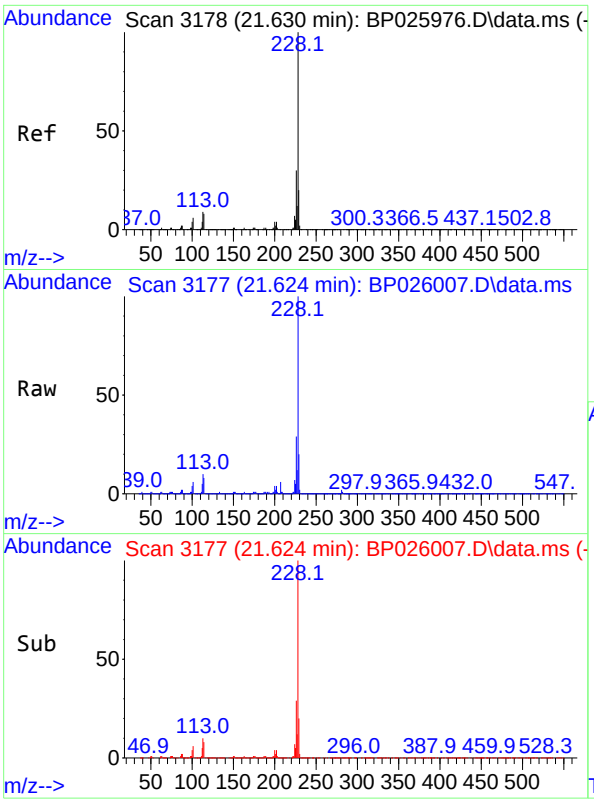


#82
3,3'-Dichlorobenzidine
Concen: 4.344 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:252 Resp: 62491

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.6	75.8
126	10.0	8.0	12.0



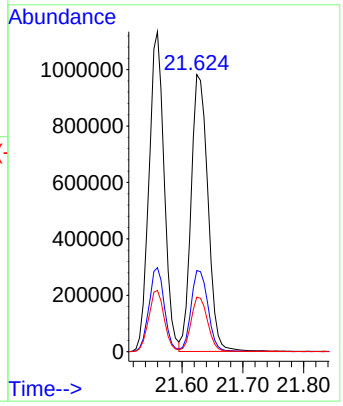


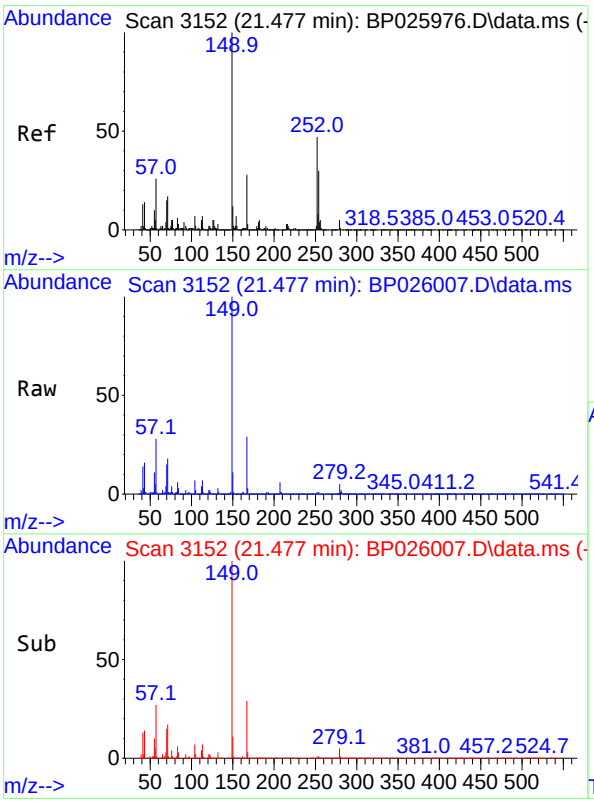
#83
Chrysene
Concen: 48.530 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:228 Resp: 1875975

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.5	35.3
229	19.7	15.6	23.4

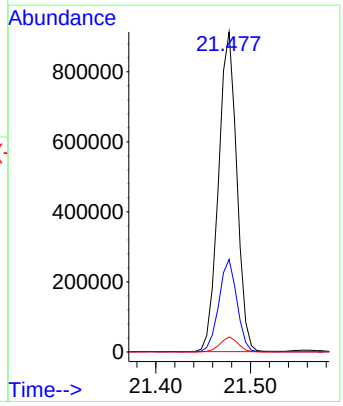


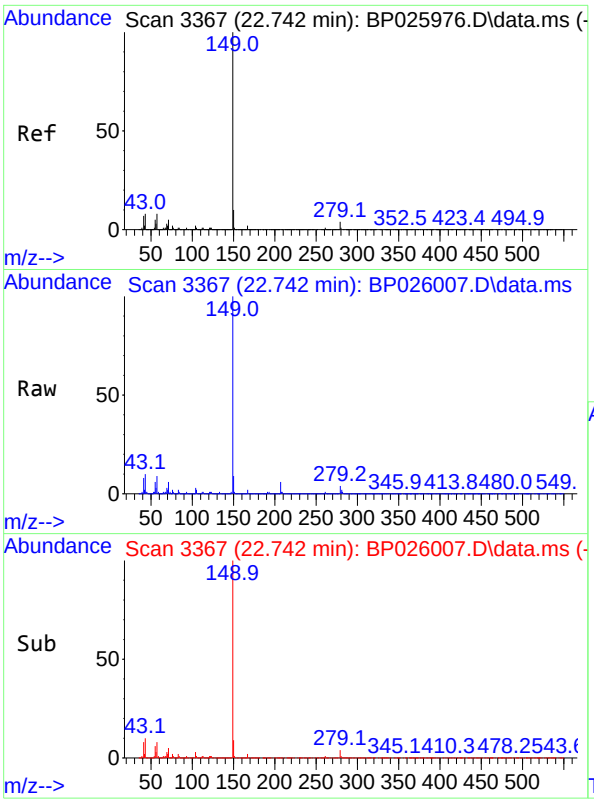


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.142 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:149 Resp: 1224928

Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.8	34.2
279	4.7	3.8	5.8



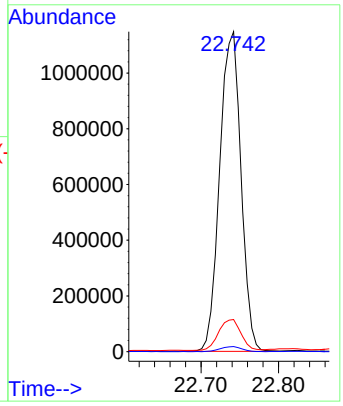


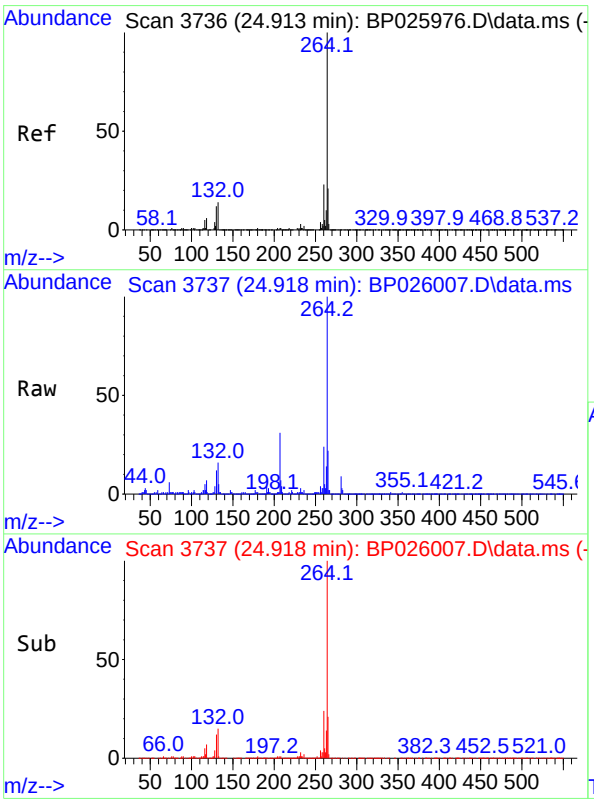
#85
Di-n-octyl phthalate
Concen: 53.547 ng
RT: 22.742 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:149 Resp: 2189912

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.2	7.2	10.8

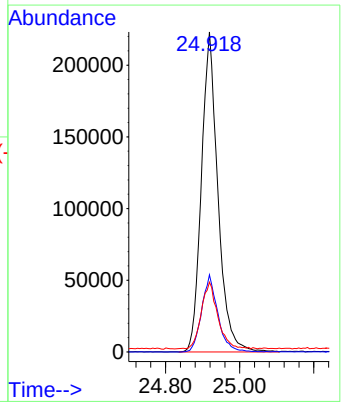


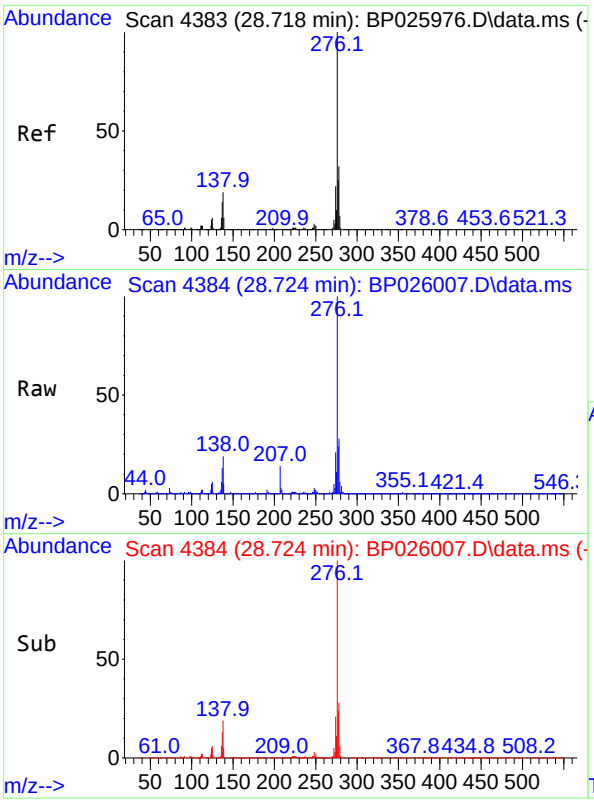


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 3737
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:264 Resp: 690323

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.4	27.6
265	21.8	17.7	26.5



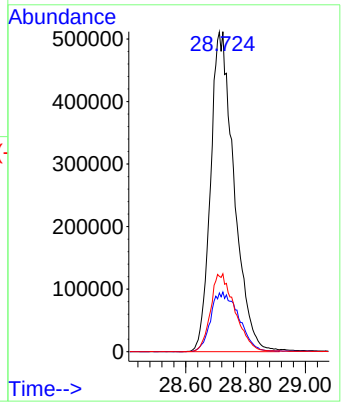


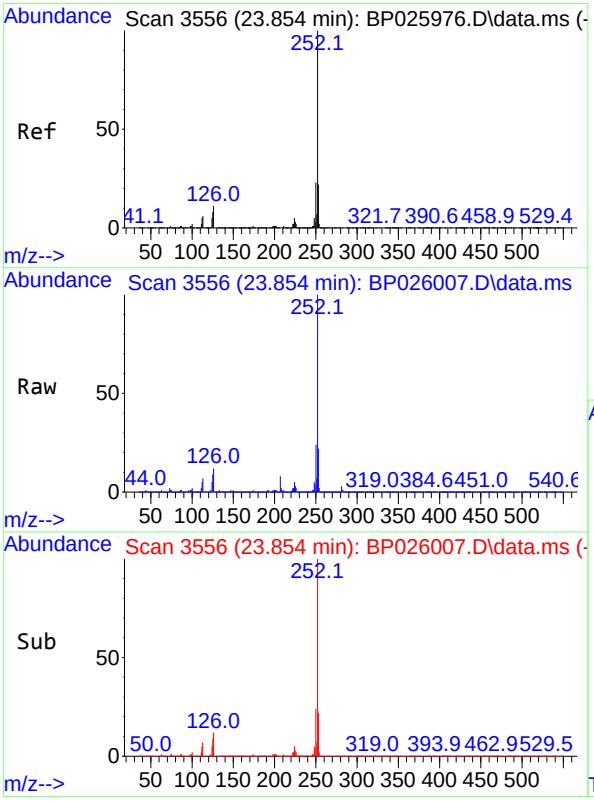
#87
Indeno(1,2,3-cd)pyrene
Concen: 53.618 ng
RT: 28.724 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:276 Resp: 2788187

Ion	Ratio	Lower	Upper
276	100		
138	22.3	17.4	26.0
277	25.4	20.3	30.5

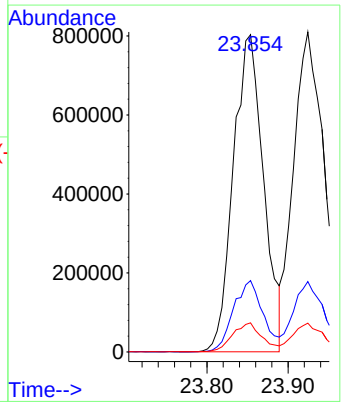


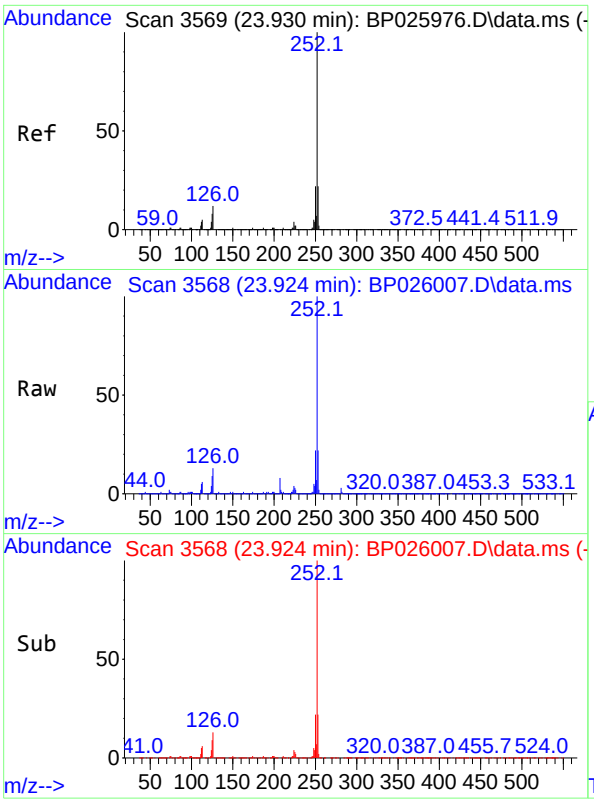


#88
Benzo(b)fluoranthene
Concen: 48.401 ng
RT: 23.854 min Scan# 3556
Delta R.T. -0.000 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:252 Resp: 2080890

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	9.2	6.8	10.2



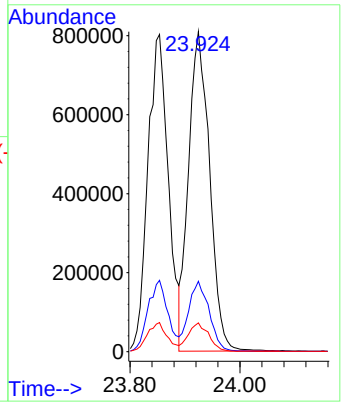


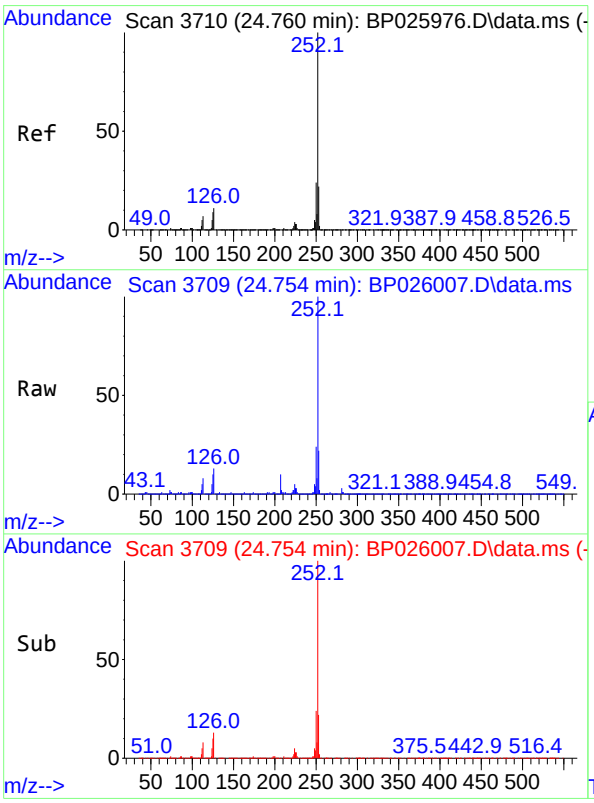
#89
Benzo(k)fluoranthene
Concen: 49.249 ng
RT: 23.924 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:252 Resp: 2148875

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.0	6.6	10.0

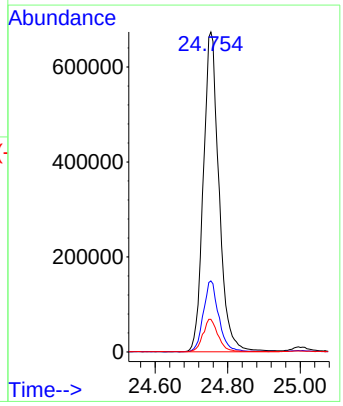


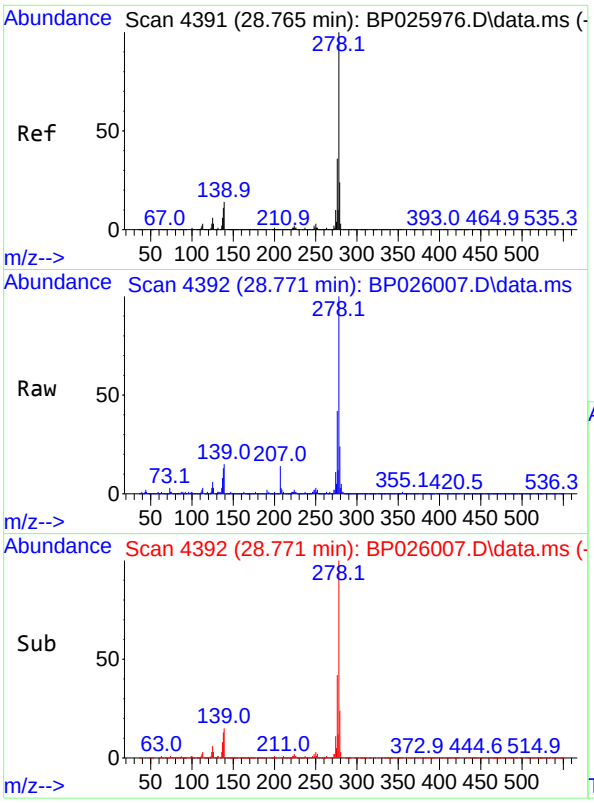


#90
Benzo(a)pyrene
Concen: 48.354 ng
RT: 24.754 min Scan# 3709
Delta R.T. -0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:252 Resp: 2019911

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.2	7.4	11.2



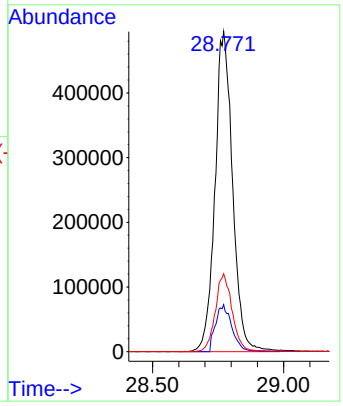


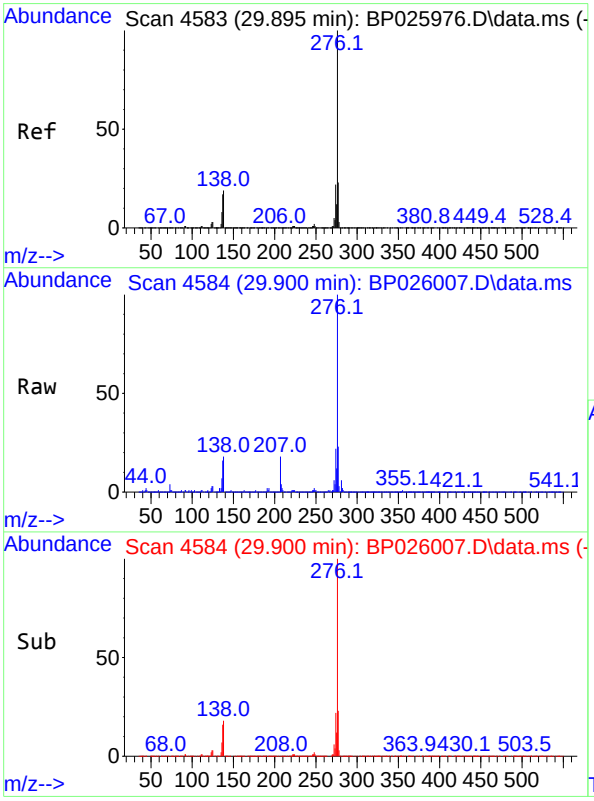
#91
Dibenzo(a,h)anthracene
Concen: 54.345 ng
RT: 28.771 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Instrument :
BNA_P
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Tgt Ion:278 Resp: 2303702

Ion	Ratio	Lower	Upper
278	100		
139	14.7	10.9	16.3
279	24.4	19.5	29.3

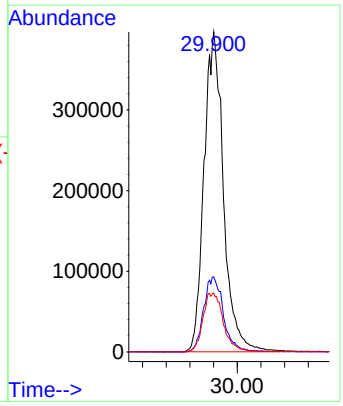




#92
Benzo(g,h,i)perylene
Concen: 54.346 ng
RT: 29.900 min Scan# 4584
Delta R.T. 0.006 min
Lab File: BP026007.D
Acq: 22 Oct 2025 20:39

Tgt Ion:276 Resp: 2257199

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	18.5	15.5	23.3



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

Manual Integration Report

Sequence:	BP101525	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025973.D	2,3,4,6-Tetrachlorophenol	rahul	10/16/2025 2:59:12 PM	Jagrut	10/16/2025 4:22:14 PM	Peak Integrated by Software
SSTDICC005	BP025973.D	4-Nitroaniline	rahul	10/16/2025 2:59:12 PM	Jagrut	10/16/2025 4:22:14 PM	Peak Integrated by Software
SSTDICC010	BP025974.D	3-Nitroaniline	rahul	10/16/2025 3:01:14 PM	Jagrut	10/16/2025 4:22:17 PM	Peak Integrated by Software
SSTDICC010	BP025974.D	4-Nitroaniline	rahul	10/16/2025 3:01:14 PM	Jagrut	10/16/2025 4:22:17 PM	Peak Integrated by Software
SSTDICC010	BP025974.D	Benzoic acid	rahul	10/16/2025 3:01:14 PM	Jagrut	10/16/2025 4:22:17 PM	Peak Integrated by Software
SSTDICC010	BP025974.D	Caprolactam	rahul	10/16/2025 3:01:14 PM	Jagrut	10/16/2025 4:22:17 PM	Peak Integrated by Software
SSTDICC010	BP025974.D	Pentachlorophenol	rahul	10/16/2025 3:01:14 PM	Jagrut	10/16/2025 4:22:17 PM	Peak Integrated by Software
SSTDICCC040	BP025976.D	Benzoic acid	rahul	10/16/2025 3:01:17 PM	Jagrut	10/16/2025 4:22:19 PM	Peak Integrated by Software
SSTDICV040	BP025980.D	Indeno(1,2,3-cd)pyrene	rahul	10/16/2025 3:01:19 PM	Jagrut	10/16/2025 4:22:21 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP102225	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP026001.D	Benzo(g,h,i)perylene	rahul	10/23/2025 8:16:33 AM	Jagrut	10/23/2025 1:59:48 PM	Peak Integrated by Software
PB170216BS	BP026003.D	Caprolactam	rahul	10/23/2025 8:16:36 AM	Jagrut	10/23/2025 1:59:45 PM	Peak Integrated by Software

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 # BP101525

Review By	rahul	Review On	10/16/2025 4:25:02 PM				
Supervise By	Jagrut	Supervise On	10/16/2025 4:29:28 PM				
SubDirectory	BP101525	HP Acquire Method	BNA_P		HP Processing Method	BP101525	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025971.D	15 Oct 2025 11:04	RC/JU	Ok
2	SSTDICC2.5	BP025972.D	15 Oct 2025 11:45	RC/JU	Ok
3	SSTDICC005	BP025973.D	15 Oct 2025 12:26	RC/JU	Ok,M
4	SSTDICC010	BP025974.D	15 Oct 2025 13:07	RC/JU	Ok,M
5	SSTDICC020	BP025975.D	15 Oct 2025 13:48	RC/JU	Ok
6	SSTDICCC040	BP025976.D	15 Oct 2025 14:29	RC/JU	Ok,M
7	SSTDICC050	BP025977.D	15 Oct 2025 15:51	RC/JU	Ok
8	SSTDICC060	BP025978.D	15 Oct 2025 17:13	RC/JU	Ok
9	SSTDICC080	BP025979.D	15 Oct 2025 18:35	RC/JU	Ok
10	SSTDICV040	BP025980.D	15 Oct 2025 22:00	RC/JU	Ok,M
11	PB170067BL	BP025981.D	15 Oct 2025 22:41	RC/JU	Not 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 # BP102225

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BP102225	HP Acquire Method	BNA_P	HP Processing Method	BP101525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP026000.D	22 Oct 2025 15:52	RC/JU	Ok
2	SSTDCCC040	BP026001.D	22 Oct 2025 16:33	RC/JU	Ok,M
3	PB170216BL	BP026002.D	22 Oct 2025 17:14	RC/JU	Ok
4	PB170216BS	BP026003.D	22 Oct 2025 17:55	RC/JU	Ok,M
5	PB170172TB	BP026004.D	22 Oct 2025 18:36	RC/JU	Ok
6	Q3368-06	BP026005.D	22 Oct 2025 19:17	RC/JU	Ok
7	Q3368-06MS	BP026006.D	22 Oct 2025 19:58	RC/JU	Ok
8	Q3368-06MSD	BP026007.D	22 Oct 2025 20:39	RC/JU	Ok
9	Q3399-02	BP026008.D	22 Oct 2025 21:20	RC/JU	Ok
10	Q3402-03	BP026009.D	22 Oct 2025 22:01	RC/JU	Ok
11	Q3402-06	BP026010.D	22 Oct 2025 22:42	RC/JU	Ok
12	Q3402-09	BP026011.D	22 Oct 2025 23:22	RC/JU	Ok
13	Q3402-12	BP026012.D	23 Oct 2025 00:03	RC/JU	Ok
14	Q3397-04	BP026013.D	23 Oct 2025 00:44	RC/JU	Ok
15	Q3409-01	BP026014.D	23 Oct 2025 01:24	RC/JU	Ok
16	Q3409-02	BP026015.D	23 Oct 2025 02:05	RC/JU	Ok
17	Q3368-07	BP026016.D	23 Oct 2025 02:46	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 # BP101525

Review By	rahul	Review On	10/16/2025 4:25:02 PM		
Supervise By	Jagrut	Supervise On	10/16/2025 4:29:28 PM		
SubDirectory	BP101525	HP Acquire Method	BNA_P	HP Processing Method	BP101525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025971.D	15 Oct 2025 11:04		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP025972.D	15 Oct 2025 11:45	Method failed for Comp. #56	RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP025973.D	15 Oct 2025 12:26		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP025974.D	15 Oct 2025 13:07	Comp. #56 not detected in 10ppm	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP025975.D	15 Oct 2025 13:48		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BP025976.D	15 Oct 2025 14:29	Comp. #41,54 on Linear Regression	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP025977.D	15 Oct 2025 15:51		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP025978.D	15 Oct 2025 17:13		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP025979.D	15 Oct 2025 18:35		RC/JU	Ok
10	SSTDICV040	ICVBP101525	BP025980.D	15 Oct 2025 22:00	ICV failed for comp. #09,77	RC/JU	Ok,M
11	PB170067BL	PB170067BL	BP025981.D	15 Oct 2025 22:41	Analyzed for contamination check.	RC/JU	Not 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 # BP102225

Review By		Review On					
Supervise By		Supervise On					
SubDirectory	BP102225	HP Acquire Method	BNA_P		HP Processing Method	BP101525	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP026000.D	22 Oct 2025 15:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP026001.D	22 Oct 2025 16:33		RC/JU	Ok,M
3	PB170216BL	PB170216BL	BP026002.D	22 Oct 2025 17:14		RC/JU	Ok
4	PB170216BS	PB170216BS	BP026003.D	22 Oct 2025 17:55		RC/JU	Ok,M
5	PB170172TB	PB170172TB	BP026004.D	22 Oct 2025 18:36		RC/JU	Ok
6	Q3368-06	OUTSIDE-DUMPSTER	BP026005.D	22 Oct 2025 19:17		RC/JU	Ok
7	Q3368-06MS	OUTSIDE-DUMPSTER	BP026006.D	22 Oct 2025 19:58		RC/JU	Ok
8	Q3368-06MSD	OUTSIDE-DUMPSTER	BP026007.D	22 Oct 2025 20:39		RC/JU	Ok
9	Q3399-02	COMP-ROLLOFF	BP026008.D	22 Oct 2025 21:20		RC/JU	Ok
10	Q3402-03	41-LA	BP026009.D	22 Oct 2025 22:01		RC/JU	Ok
11	Q3402-06	41-RA	BP026010.D	22 Oct 2025 22:42		RC/JU	Ok
12	Q3402-09	41-LB	BP026011.D	22 Oct 2025 23:22		RC/JU	Ok
13	Q3402-12	41-RB	BP026012.D	23 Oct 2025 00:03		RC/JU	Ok
14	Q3397-04	TP-7-WC	BP026013.D	23 Oct 2025 00:44		RC/JU	Ok
15	Q3409-01	EXCAVATION-AREA-A	BP026014.D	23 Oct 2025 01:24		RC/JU	Ok
16	Q3409-02	EXCAVATION-AREA-B	BP026015.D	23 Oct 2025 02:05		RC/JU	Ok
17	Q3368-07	PRESS-SLUDGE	BP026016.D	23 Oct 2025 02:46		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170172

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 : 40718710

Start Prep Date : 10/21/2025 **Time :** 14:00

End Prep Date : 10/22/2025 **Time :** 07:20

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP

Initial Room Temperature: 22 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : 12

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	WP114525
HCL-TCLP,1N	N/A	WP114527
HNO3-TCLP,1N	N/A	WP114528
N/A	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	MP86978

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. q3412-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/25 09:30	JP / ED Room	SKG. Elt / Ext
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170172

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
PB170172TB	LEB172	14	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3368-06	OUTSIDE-DUMPSTER	01	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q3368-07	PRESS-SLUDGE	02	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3397-04	TP-7-WC	03	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3399-02	COMP-ROLLOFF	04	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q3402-03	41-LA	05	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3402-06	41-RA	06	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-09	41-LB	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-12	41-RB	08	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3403-04	MH-18	09	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3404-02	MOO-25-0285-0288	10	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q3404-06	MOO-25-0292	11	100.01	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q3406-02	ARS20-0037	12	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q3412-04	TP-6	13	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170172TB	LEB172	N/A	N/A	N/A	N/A	N/A	N/A
Q3368-06	OUTSIDE-DUMPSTER	N/A	N/A	N/A	N/A	100	N/A
Q3368-07	PRESS-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
Q3397-04	TP-7-WC	N/A	N/A	N/A	N/A	100	N/A
Q3399-02	COMP-ROLLOFF	N/A	N/A	N/A	N/A	100	N/A
Q3402-03	41-LA	N/A	N/A	N/A	N/A	100	N/A
Q3402-06	41-RA	N/A	N/A	N/A	N/A	100	N/A
Q3402-09	41-LB	N/A	N/A	N/A	N/A	100	N/A
Q3402-12	41-RB	N/A	N/A	N/A	N/A	100	N/A
Q3403-04	MH-18	N/A	N/A	N/A	N/A	100	N/A
Q3404-02	MOO-25-0285-0288	N/A	N/A	N/A	N/A	100	N/A
Q3404-06	MOO-25-0292	N/A	N/A	N/A	N/A	100	N/A
Q3406-02	ARS20-0037	N/A	N/A	N/A	N/A	100	N/A
Q3412-04	TP-6	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB170172

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
PB170172TB	LEB172	N/A	N/A	N/A	N/A	#1	4.94
Q3368-06	OUTSIDE-DUMPSTER	5.02	96.5	7.0	2.5	#1	4.94
Q3368-07	PRESS-SLUDGE	5.01	96.5	5.5	1.5	#1	4.94
Q3397-04	TP-7-WC	5.03	96.5	7.6	2.5	#1	4.94
Q3399-02	COMP-ROLLOFF	5.02	96.5	7.0	2.0	#1	4.94
Q3402-03	41-LA	5.01	96.5	7.6	2.5	#1	4.94
Q3402-06	41-RA	5.02	96.5	7.2	2.0	#1	4.94
Q3402-09	41-LB	5.02	96.5	7.2	2.5	#1	4.94
Q3402-12	41-RB	5.03	96.5	7.2	2.5	#1	4.94
Q3403-04	MH-18	5.02	96.5	5.6	1.5	#1	4.94
Q3404-02	MOO-25-0285-0288	5.03	96.5	6.0	2.0	#1	4.94
Q3404-06	MOO-25-0292	5.02	96.5	5.6	1.5	#1	4.94
Q3406-02	ARS20-0037	5.01	96.5	6.0	2.0	#1	4.94
Q3412-04	TP-6	5.02	96.5	8.6	3.0	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q3406 **WorkList ID :** 192576 **Department :** TCLP Extraction **Date :** 10-21-2025 09:34:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-06	OUTSIDE-DUMPSTER	Solid	TCLP Extraction	Cool 4 deg C	ARAM01	D41	10/16/2025	1311
Q3368-07	PRESS-SLUDGE	Solid	TCLP Extraction	Cool 4 deg C	ARAM01	D41	10/16/2025	1311
Q3397-04	TP-7-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/18/2025	1311
Q3399-02	COMP-ROLLOFF	Solid	TCLP Extraction	Cool 4 deg C	ICES02	D41	10/20/2025	1311
Q3402-03	41-LA	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3402-06	41-RA	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3402-09	41-LB	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3402-12	41-RB	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3403-04	MH-18	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3404-02	MOO-25-0285-0288	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3404-06	MOO-25-0292	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3406-02	ARS20-0037	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3412-04	TP-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311

Date/Time 10/21/25 12:00
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 10/21/25 15:30
Raw Sample Received by:
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170216

SOP ID:	M3510C,3580A-Extraction SVOC-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/22/2025
Matrix :	Water			**Extraction Start Time :**	09:45
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	10/22/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	14:45
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3953	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

Extraction Method: [√] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [_] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6865
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3980
Baked Na2SO4	N/A	EP2652
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	**Envap ID:**	NE VAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/25	RS (Ext lab)	RC SVOC
14:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170216

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 10/22/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170172TB	PB170172TB	TCLP BNA	100	6	RUPESH	Evelyn	1			SEP-1
PB170216BL	PB170216BL	TCLP BNA	1000	6	RUPESH	Evelyn	1			2
PB170216BS	PB170216BS	TCLP BNA	1000	6	RUPESH	Evelyn	1			3
Q3368-06	OUTSIDE-DUMPSTER	TCLP BNA Group1	100	6	RUPESH	Evelyn	1	A		4
Q3368-06MS	OUTSIDE-DUMPSTERMS	TCLP BNA Group1	100	6	RUPESH	Evelyn	1	A		5
Q3368-06MSD	OUTSIDE-DUMPSTERMSD	TCLP BNA Group1	100	6	RUPESH	Evelyn	1	A		6
Q3368-07	PRESS-SLUDGE	TCLP BNA Group1	100	6	RUPESH	Evelyn	1	A		7
Q3397-04	TP-7-WC	TCLP BNA	100	6	RUPESH	Evelyn	1	A		8
Q3399-02	COMP-ROLLOFF	TCLP BNA	100	6	RUPESH	Evelyn	1	A		9
Q3402-03	41-LA	TCLP BNA	100	6	RUPESH	Evelyn	1	A		10
Q3402-06	41-RA	TCLP BNA	100	6	RUPESH	Evelyn	1	A		11
Q3402-09	41-LB	TCLP BNA	100	6	RUPESH	Evelyn	1	A		12
Q3402-12	41-RB	TCLP BNA	100	6	RUPESH	Evelyn	1	A		13
Q3403-04	MH-18	TCLP BNA	100	6	RUPESH	Evelyn	1	A		14
Q3412-04	TP-6	TCLP BNA	100	6	RUPESH	Evelyn	1	A		15

RG 10/22

* **Extracts relinguished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170172

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
PB170172TB	LEB172	14	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3368-06	OUTSIDE-DUMPSTER	01	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q3368-07	PRESS-SLUDGE	02	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3397-04	TP-7-WC	03	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3399-02	COMP-ROLLOFF	04	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q3402-03	41-LA	05	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3402-06	41-RA	06	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-09	41-LB	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-12	41-RB	08	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3403-04	MH-18	09	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3404-02	MOO-25-0285-0288	10	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q3404-06	MOO-25-0292	11	100.01	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q3406-02	ARS20-0037	12	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q3412-04	TP-6	13	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-2

10/22/25
09:30

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. Q3399
COC Number 2044531

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: ICE Service Group, INC.
ADDRESS: 125 Bloomingdale RD
CITY Levittown STATE: N.Y ZIP:
ATTENTION: Dennis d. morgan, ii
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ICES 02
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY Same STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 72 HR TAT DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ❑ Level 1 (Results Only)
- ❑ Level 2 (Results + QC)
- ❑ Level 3 (Results + QC + Raw Data)
- ❑ EDD FORMAT
- ❑ Level 4 (QC + Full Raw Data)
- ❑ NJ Reduced ❑ US EPA CLP
- ❑ NYS ASP A ❑ NYS ASP B
- ❑ Other

ANALYSIS

1. TCL 2. TCLP 3. Herd 4. PF 5. RC 6. 7. 8. 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 ← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	Comp-Rolloff	SOL	X		10-20-25	12:00	6			X	X	X					PID= 1.3
2.	⊥	⊥		X	⊥	12:04	3	X	X								PID= 1.3
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	1300 10-20-2025	1.
2.		2.
3. [signature]	1754 10-20-2025	3. [signature]

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ☒ COOLER TEMP 35° °C
Comments: *PID Meter Calibrated 10-20-2025 *
Equal volume of soil used,

Page ____ of

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

1

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: ICES 02
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site:
Site Address: 125 Bloomingdale RD. Levittown, N.Y.

Chemtech Order ID:
Sampler Name: Lawrence Carter
Client Project Coordinator & Phone:

Page #: 1 of 1
Date: 10.20.2025
Arrive Time: 11:28 am
Depart Time: 1300

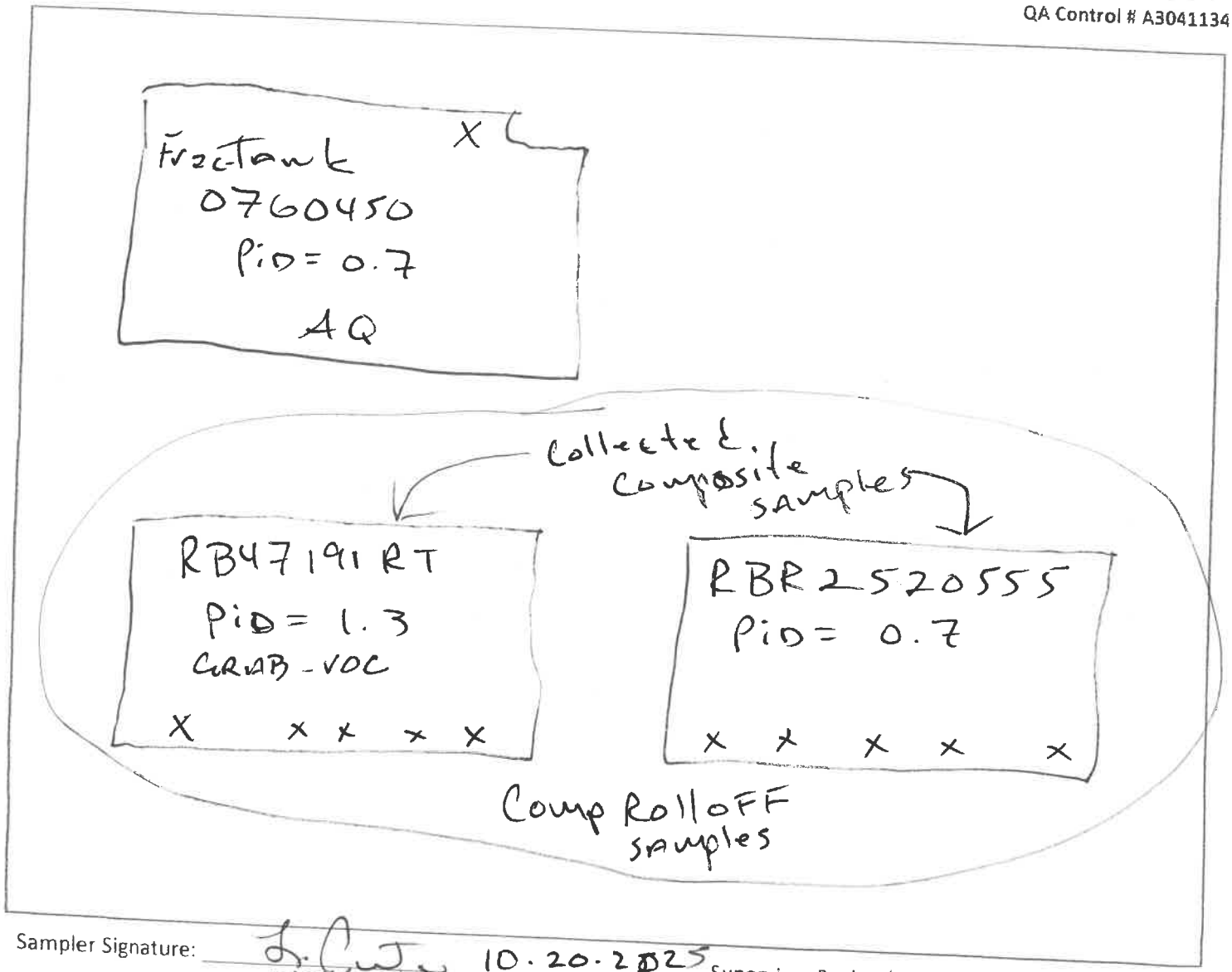
Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank
Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe / AQ

Collection Depths:
Dimensions/CY:
Temp (range): °C **PID Readings (range)**: PPM **Odor**: Y / N **Color**: Y / N

Sample Description: Water Soil, Soil water Bonder, Brown AQ.
Field Observations: Sampled, RB47191RT, RBR2520555, Fractank 0760450 (Comp RolloFF)

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: L. Carter 10.20.2025
Client Signature: [signature]
Supervisor Review/Date:
Date/Time Arri...

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
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 : Q3399 ICES02
Client Name : ICE Service Group, Inc.
Client Contact : Dennis D. Morgan, II
Invoice Name : ICE Service Group, Inc.
Invoice Contact : Dennis D. Morgan, II

Order Date : 10/20/2025 1:23:08 PM
Project Name : NWIRP Northrup Grummar
Receive DateTime : 10/20/2025 12:00:00 AM
Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3399-01	COMP-ROLLOFF	Solid	10/20/2025	12:00					
					Gasoline Range Organics		8015D		3 Bus. Days

Relinguished By : [signature]
Date / Time : 10/21/25 0740

Received By : Sam
Date / Time : 10/21/25 08:00

Reg # 6
F27

Storage Area : VOA Refridgerator Room

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3399 ICES02
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Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3399-03	COMP-ROLLOFF	Solid	10/20/2025	12:04					
					VOC-TCLVOA-10		8260D	3 Bus. Days	

Relinguished By : [signature]
Date / Time : 10/21/25 0740

Received By : Sam
Date / Time : 10/21/25 08:00 Rp #6 PZ 2

Storage Area : VOA Refridgerator Room